ZONING BOARD OF APPEALS
Town of Orangetown
20 Greenbush Road
Orangeburg, New York 10962
(914) 359-8410 (ex. 4331)
Date: August 11, 2022
TO: OBAPAE

Environmental Management and Engineering
Rockland County Sewer District #1
New York State Dept. of Transportation
Palisades Interstate Park Commission
Orange and Rockland Utilities
Orangetown Highway
Fire Prevention (Performance Standards)
Rockland County Drainage
Rockland County Health
Rockland County Planning
Rockland County Highway
Old Tappan

Review of Plans: Databank Orangeburg Site Plan 2000 Corporate Drive, Blauvelt, NY
Section 73.15 Block 1 Lot 19 LIO zone
This matter is scheduled for:
Chapter 43, LIO District, Section 3.11, Column 6 (Parking: 739 spaces required, 70 proposed) Column7 refers to Lo District Column7 #2 (Loading berths shall be within completely enclosed buildings: two (2) exterior loading berths are proposed); from Section 6.4 (minimum loading berths required is 11 and 2 are proposed) and from R-80 notes o bulk table #2 (Buffer required is 100' feet does not exist to existing building) See Director's memo dated August 11, 2022
Please review the information enclosed and provide comments. These comments may be mailed , e-mailed or faxed to the Zoning Board Office.

If your Agency does not have any comments at this time, please respond to this office by sending back this sheet.

- US Postal: 20 South Greenbush Road, Orangeburg, NY 10962
- Email to Zoning Board: darbolino@orangetown.com or
- Fax to the Town of Orangetown ZBA @845 359 8526

Zoning Board Meeting Date: September 21, 2022

( ) Comments attached
( ) No Comments at this time. Please send future correspondence for review.
( ) No future correspondence for this site should be sent to this agency. Plans reviewed and this agency does not have any further comments.
( ) This project is out of the jurisdiction of this agency and has no further comments.

This project is before the Zoning Board on **Wednesday, September 21, 2022 . Kindly forward your completed review to this office by September 21, 2022.**

Reviewing Agency_____

Name_____date:_____

Signature:_____

Thank you, Deborah Arbolino

OFFICE OF BUILDING, ZONING, PLANNING
ADMINISTRATION AND ENFORCEMENT
TOWN OF ORANGETOWN
20 GREENBUSH ROAD
ORANGEBURG, N.Y. 10962

Jane Slavin, RA **(845) 359-8410** **Fax: (845) 359-8526**
Director

Date: August 11, 2022

To: Debbie Arbolino

From: Jane Slavin, RA.,
Director O.B.Z.P.A.E.

Subject: **Databank Orangeburg Site Plan**
Section 73.15, Block 1, Lot 19
in the LIO zoning district

Submission Reviewed:
Site plan package as prepared by Kimley Horn Engineers, dated 7-28-2022. *Per Applicant, Zoning analysis is prepared for Phase 1 only and does not include Phase 2. Applicant will return for required approvals for Phase 2.*

1) Per Chapter 43, Table 3.11, column 6, Minimum number of required parking spaces is 739 with 70 proposed.

2) Per Chapter 43, Table 3.11, Column 7, #2, "...all accessory off-street loading berths shall be within completely enclosed buildings,..." Two exterior loading berths are proposed on the west side of the building, variance required.

3) Per Chapter 43, Article VI, Section 6.4, Minimum number of required loading berths is 11 with 2 proposed.

4) The property abuts Lake Tappan to the west, which is an R-80 Zoning district. Per Chapter 43, Attachment 18, Notes to Use and Bulk Tables, #2, required buffer is 100' to an R-80 zoning district, Variance required.

   The current building as constructed does not comply with this requirement and research of prior approvals do not indicate that the buffer was required. This may have been due to the fact that the shoreline of Lake Tappan is in the 100' required DEC buffer to the lake and future development is not possible.

JS – 8-11-2022

Databank Orangeburg
Parking and Loading Calculation

Date: 8/10/2022
By: MWJ

PARKING REQUIREMENTS		
	REQUIRED	**PROPOSED**
STANDARD SPACES	9 FT X 18 FT	9 FT X 18 FT
WAREHOUSE (1 SP / 300 SF)	484 SPACES	-
OFFICE (1 SP / 200 SF GFA)	255 SPACES	-
TOTAL (STANDARD & ADA)	739 SPACES	70 SPACES (V)
ADA SPACES	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT
STANDARD ACCESSIBLE	24 SPACES	5 SPACES
VAN ACCESSIBLE	4 SPACES	1 SPACE
LOADING SPACES		
OFFICE & WAREHOUSE	11 SPACES (1)	2 SPACES (V)

(V) - VARIANCE REQUESTED

Required Parking Calculations:
Warehouse: 1 space per 300 sf x 145,000 sf = 483.3, round to 484 Spaces Required
Office: 1 space per 200 sf x 51,000 sf = 255 Spaces Required

Required ADA Spaces:
70 Parking Spaces = 3 Required, One of Which must be Van Accessable (Table1106.1 of 2020 NYSBC)

Required Loading Spaces:
Office and Warehouse: 1 Berth for first 10,000 sf plus 1 berth for evey additional 20,000 sf
Total = 196,000 sf = (1 for first 10,000 sf) + (195,000/20,000) = 10.75, round to 11 Space Required

(1) Please note the total on ZBA Submitted Drawings was 16, corrected here to 11.

OFFICE OF BUILDING, ZONING, PLANNING, ADMINISTRATION AND ENFORCEMENT
TOWN OF ORANGETOWN
20 Greenbush Road
Orangeburg, N.Y. 10962

Jane Slavin, R.A.
Director

(845)359-8410

Fax: (845) 359-8526

ZONING BOARD OF APPEALS

Date: August 9, 2022

Applicant: Databank Orangeburg

Address: ~~200~~ 2000 Corporated Drive,Orangeburg, NY

Section: 73.15 **Block:** 1 **Lot:** 19

Permit#_____

Plans Submitted: Composit overall exterior building elevations dated 6/10/22

Databank pland dated 07/28/22 for ZBA submission by Kimley Horn

Project Name: Databank Orangeburg

RECEIVED
AUG - 9 2022
TOWN OF ORANGETOWN
BUILDING DEPARTMENT

Date of Submittal to Land Use Board: _____

Date of Board Meeting: TBD

Sincerely,

Debbie Arbolino

Administrative Aide

Date/Initial of OBZPAE Review Completed: 8/11/22

Name of Municipality: TOWN OF ORANGETOWN **Date Submitted:** _____

Please check all that apply:

X Commercial ___ Residential

___ **Planning Board** ___ **Historical Board**

X **Zoning Board of Appeals** X **Architectural Board**

__ Subdivision
__ Number of Lots
X Site Plan
__ Conditional Use

__ Special Permit
X Variance
__ Performance Standards Review
__ Use Variance
__ Other (*specify*): _____

__ Consultation
__ Pre-Preliminary/Sketch
X Preliminary
X Final
__ Interpretation

PERMIT#: _____
ASSIGNED
INSPECTOR: _____

Referred from Planning Board: YES / NO
If yes provide date of Planning Board meeting: _____

Project Name: Databank Orangeburg

Street Address: 2000 Corporate Drive, Orangeburg, NY

Tax Map Designation:

Section: 73.15 Block: 1 Lot(s): 19
Section: _____ Block: _____ Lot(s): _____

Directional Location:

On the North side of Corporate Drive, approximately 1400 feet northwest of the intersection of Olympic Drive, in the Town of _____ in the hamlet/village of _____.

Acreage of Parcel 33.9 **Zoning District** LIO
School District Pearl River Free **Postal District** 10962
Ambulance District S. Orangetown **Fire District** Orangetown
Water District SUEZ Water **Sewer District** Orangetown

Project Description: *(If additional space required, please attach a narrative summary.)*

A one story two phase data center with 146,000 sf data center, 52,000 sf office space, open equipment yards, and associated roadways, parking, lighting, landscaping and infrastructure.

The undersigned agrees to an extension of the statutory time limit for scheduling a public hearing.

Date: July 26, 2022 Applicant's Signature: _____

APPLICATION REVIEW FORM

FILL IN WHERE APPLICABLE.

(IF THE FOLLOWING DOES NOT APPLY PLEASE MOVE ON TO THE NEXT PAGE)

If **subdivision**:

1) Is any variance from the subdivision regulations required?_____
2) Is any open space being offered? ____ If so, what amount? _____
3) Is this a standard or average density subdivision?_____

If **site plan**:

1) Existing square footage 222,000
2) Total square footage 196,000 (Proposed)
3) Number of dwelling units NA

If **special permit**, list special permit use and what the property will be used for.

_____

_____

Environmental Constraints:

Are there **slopes greater than 25**%? If yes, please indicate the amount and show the gross and net area 0.21 ac (Shown on Existing Conditions Plan)

Are there **streams** on the site? If yes, please provide the names. No Name - Army Corps Jurisdiction

Are there wetlands on the site? If yes, please provide the names and type:
No Name - Army Corps Jurisdiction

Project History:

Has this project ever been reviewed before? Not by ZBA

If so, provide a narrative, including the list case number, name, date, and the board(s) you appeared before, and the status of any previous approvals.

Preliminary planning board approval received 7/13/22

Prior Verizon Use allowed 100 foot setback to reserviour, no variance required

List tax map section, block & lot numbers for all other abutting properties in the same ownership as this project.

NA

_____

OFFICE OF BUILDING, ZONING, PLANNING
ADMINISTRATION AND ENFORCEMENT
TOWN OF ORANGETOWN
20 GREENBUSH ROAD
ORANGEBURG, N.Y. 10962

Jane Slavin, RA
Director

(845) 359-8410

Fax: (845) 359-8526

Date: July 8, 2022

To: Planning Board

From: Jane Slavin, RA.,
Director O.B.Z.P.A.E.

Subject: **Databank Orangeburg Site Plan** **PB#22-36**
Prepreliminary/ Preliminary Site Plan
and SEQRA Review
Section 73.15, Block 1, Lot 19 In the LIO zoning district

Submission Reviewed:
Site plan package as prepared by Kimley Horn Engineers, Last revised 5-13-2022.

1) Applicant is proposing to demolish the existing building and build a new data center and additional substation.

2) The applicant advised at PRC that they intend to building the project in two phases, with Phase 1 to be built immediately and Phase 2 to be constructed in a few years based upon tenant need and available power feed from O & R. The PRC recommended that the applicant consider a Master Plan and seek approval for Phase 1 at this time and return to the Planning Board for Phase 2.

3) In 2013, 155 Corporate Drive, adjacent property to the south, obtained approvals for a data center. PB#13-13

4) The actual proposed height of the building shall be provided and shown in the bulk table.

5) The proposed height of the sound attenuation walls shall be provided.

6) As presented, a variance is required for the number of parking spaces as well as the number of loading docks. The actual zoning/parking calculation breakdowns shall be provided with the zoning chart to confirm the variances.

7) IUC Performance standards review is required.

8) ACABOR review and approval is required.

9) Per Chapter 43, Table 3.11, column 4, #1, Public Utility Substations is a

conditional use by the planning board. Per Chapter 42, Article VII, Conditional Uses on Approval by the Planning Board, Section 7.1; "*The uses listed in § 3.11, Use Table, Column 4, are conditional uses permitted only upon approval by the Planning Board in accordance with the procedures and standards herein. After approval, such uses shall be deemed permitted uses in the districts wherein located, subject to any conditions attached thereto.*"

10) The property abuts Lake Tappan to the west, which is an R-80 Zoning district. Per Chapter 43, Attachment 18, Notes to Use and Bulk Tables, #2, required buffer is 100' to an R-80 zoning district. However, the current building as constructed does not comply with this requirement and research of prior approvals do not indicate that the buffer was required. This may have been due to the fact that the shoreline of Lake Tappan is in the 100' required DEC buffer to the lake and future development is not possible.

11)Per Chapter 43, Table 3.11, Column 7, #2, "...all accessory off-street loading berths shall be within completely enclosed buildings,..." Four exterior loading berths are proposed on the west side of the building, variance required.

12) The Full EAF is still under review.

JS – 7-8-2022

SWIS	PRINT KEY	NAME	ADDRESS
~~392489~~	~~73.11-1-8~~	~~Gerwick Realty Corp~~	~~P.O. Box 71970,Phoenix, AZ 85050~~
		Altus Group US Inc	
392489	73.15-1-2	American Legion	7 Van Ter,Sparkill, NY 10976
		Joseph Chimenti	
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	15 Winding Way,Upper Saddle River, NJ 07458
		Claude Baumann	
392489	73.15-1-8	Keira 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	P.O. Box 92129,Southlake, TX 76092
		Altus Group	
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

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Databank Orangeburg		
Project Location (describe, and attach a general location map): 2000 Corporate Drive, Orangeburg, NY 10962 (Tax ID 73.15-1-19)		
Brief Description of Proposed Action (include purpose or need): Redevelopment of an existing office building into a 49,000 sf data center, split between two phases. The proposed action also includes landscaping, stormwater, site access, and parking improvements.		
Name of Applicant/Sponsor: Bonnie Von Ohlsen	Telephone: 914 368 9200 E-Mail: Bonnie.VonOhlsen@kimley-horn.com	
Address: 1 North Lexington Ave		
City/PO: White Plains	State: NY	Zip Code: 10601
Project Contact (if not same as sponsor; give name and title/role): Tony Qorri, Databank	Telephone: 347 873 1480 E-Mail:	
Address: 3110 N. Central Ave, Suite B-75		
City/PO: Phoenix	State: AZ	Zip Code: 85012
Property Owner (if not same as sponsor): (same as project contact)	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board: Site Plan Review	
c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No	ZBA: Variance Review	
d. Other local agencies ☑Yes ☐No	Suez Water: Water Connection	
e. County agencies ☑Yes ☐No	Rockland County Planning Board: Site Plan Approval; Sewer District 1: Discharge Approval	
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC: Oil Storage and Generator Air Permits, Incidental Take Permit, Wetland Permit	
h. Federal agencies ☑Yes ☐No	USACE: Wetland Permit	

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Hudson River Valley Greenway

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
LIO (Light Industrial-Office District)

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Pearl River Union Free School District

b. What police or other public protection forces serve the project site?
Rockland County Sheriff's Office, Orangetown Police Department

c. Which fire protection and emergency medical services serve the project site?
Pearl River Fire District, South Orangetown Ambulance Corps

d. What parks serve the project site?
Veterans Memorial Park, Independence Park, Temple Israel Memorial Park, German Masonic Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Industrial (data center)

b. a. Total acreage of the site of the proposed action? 33.93 acres
b. Total acreage to be physically disturbed? 24.1 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 33.93 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
_____
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 2
- Anticipated commencement date of phase 1 (including demolition) 8 month 22 year
- Anticipated completion date of final phase TBD month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

Phase I includes expansion for existing office building to the north (48,366 sf + 145,438 sf), and construction of northern equipment yard (41,645 sf) and substation (73,604 sf). Phase II includes expansion of data center to the south (145,438 sf) and construction of second equipment yard (42,387 sf).

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

i. Total number of structures 1

ii. Dimensions (in feet) of largest proposed structure: 25 ft height; 271 ft width; and 1,194 ft length

iii. Approximate extent of building space to be heated or cooled: TBD square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐ Yes ☑ No

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☐ No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑ Yes ☐ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): PUBHx, PUBHh, PFO1C

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
The proposed action will remove 0.08 acres of wetlands and 0.16 acres of surface water on site.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☑ No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☑ Yes ☐ No
If Yes:

- acres of aquatic vegetation proposed to be removed: 0.08 ac
- expected acreage of aquatic vegetation remaining after project completion: 0 ac
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): site access
- proposed method of plant removal: TBD
- if chemical/herbicide treatment will be used, specify product(s): N/A

v. Describe any proposed reclamation/mitigation following disturbance: TBD

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No
If Yes:

i. Total anticipated water usage/demand per day: 900 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑ Yes ☐ No
If Yes:

- Name of district or service area: Public Water Supply, district name TBD
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No
If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No
If Yes:

i. Total anticipated liquid waste generation per day: 900 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): sanitary wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No
If Yes:

- Name of wastewater treatment plant to be used: Orangetown Wastewater Treatment Plant
- Name of district: Orangetown Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

  If Yes:
  - Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:
- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 3.1 acres (impervious surface)

_____ Square feet or 33.93 acres (parcel size)

ii. Describe types of new point sources. building and parking lot expansion

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

on-site stormwater management facilites

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☑ No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐ Yes ☑ No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

ii. In addition to emissions as calculated in the application, the project will generate:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☑No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☑No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☑No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☑No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

TBD

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

local utility

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: per code
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: TBD
- Saturday: TBD
- Sunday: TBD
- Holidays: TBD

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe:

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Lighting fixtures will be a combination of pole mounted (20 ft and 30 ft in height) and building mounted (20 ft in height) LED light fixtures, down-lit. Illumination will not impact surrounding properties.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe:

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☑ Yes ☐ No

If Yes:

i. Product(s) to be stored fuel oil storage

ii. Volume(s) ~~TBD~~ per unit time ~~TBD~~ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:

Above ground belly tanks under proposed generators in equipment yards

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☑ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: ~~TBD~~ tons per ~~TBD~~ (unit of time)
- Operation : ~~TBD~~ tons per ~~TBD~~ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: TBD
- Operation: TBD

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: construction waste will be disposed of via licensed private carter service
- Operation: waste resulting from normal operations will be disposed of via licensed private carter service

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☑ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)

☑ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	12.8	15.9	+3.1
• Forested	7.6	5.16	-1.84
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	-	-	
• Agricultural (includes active orchards, field, greenhouse etc.)	-	-	
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.16	0	-0.16
• Wetlands (freshwater or tidal)	0.08	-	-0.08
• Non-vegetated (bare rock, earth or fill)	-	-	
• Other Describe: GRAVEL, LANDSCAPING _____	0, 13.26	2.35,10.49	+2.35, -2.77

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

i. Identify Facilities:

Brightview Lake Tappan - Senior Independent Living, Assisted Living, and Memory Care located approximately 620 ft north of site

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? > 6.5 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

ReA: 0-3% slope	25 %
ReB: 3-8% slope	67.4 %
ReC: 8-15% slope	7.1 %

d. What is the average depth to the water table on the project site? Average: > 6.5 ft feet

e. Drainage status of project site soils:

☑	Well Drained:	100 % of site
☐	Moderately Well Drained:	_____% of site
☐	Poorly Drained	_____% of site

f. Approximate proportion of proposed action site with slopes:

☑	0-10%:	93 % of site
☑	10-15%:	7 % of site
☐	15% or greater:	_____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 865-5 Classification A
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, Federal Waters Approximate Size 1.19
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
If Yes:

i. Name of aquifer: Principal Aquifer

m. Identify the predominant wildlife species that occupy or use the project site:
typical urban species (bird, squirrel, raccoon, deer, etc.)

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation):
ii. Source(s) of description or evaluation:
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☑ Yes ☐ No

If Yes:
i. Species and listing (endangered or threatened):
Bald Eagle may be present on site, wildlife survey is needed

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
i. Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No
If yes, give a brief description of how the proposed action may affect that use:

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name:
ii. Basis for designation:
iii. Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: Rockland Psychiatric Center

iii. Brief description of attributes on which listing is based:

two eligible buildings approximately 900 ft NE of site, eligible for listing due to architectural significance and association with Rockland Psychiatric Center

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

i. Identify resource: Palisades Interstate Parkway,

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Scenic Byway

iii. Distance between project and resource: 1.61 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Bonnie Von Ohlsen Date April 20, 2022

Signature Bonnie Von Ohlsen Title Planning Consultant for Applicant

PRINT FORM

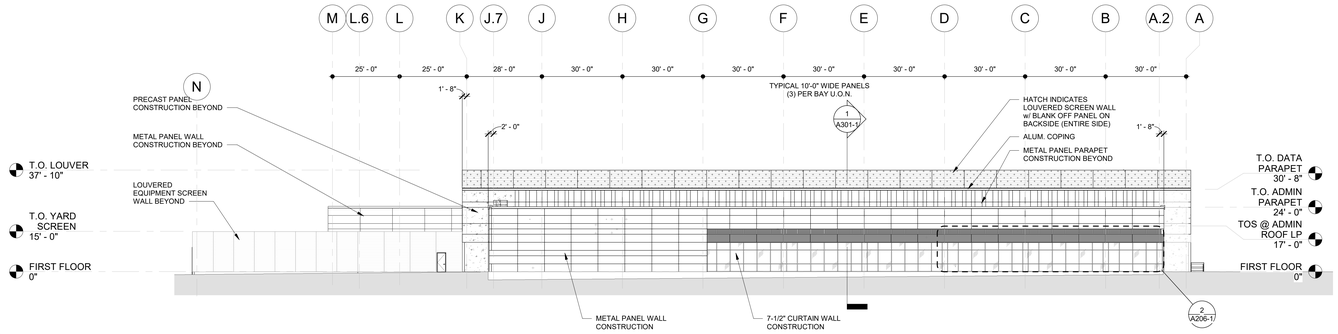
EAF Mapper Summary Report

Monday, January 17, 2022 9:21 AM

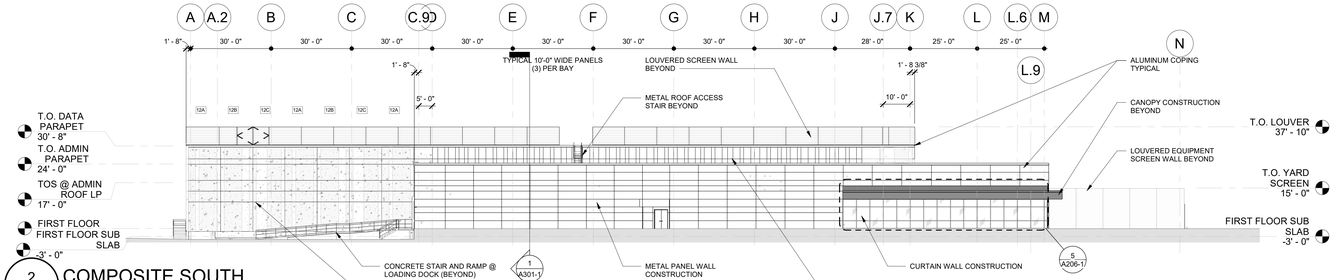
Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	865-5
E.2.h.iv [Surface Water Features - Stream Classification]	A
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

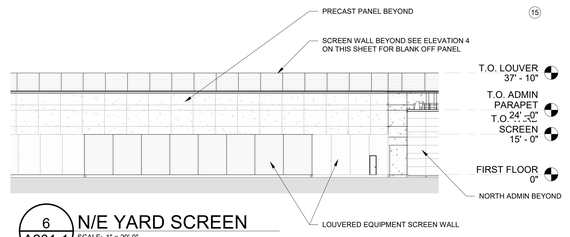
E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Bald Eagle
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No



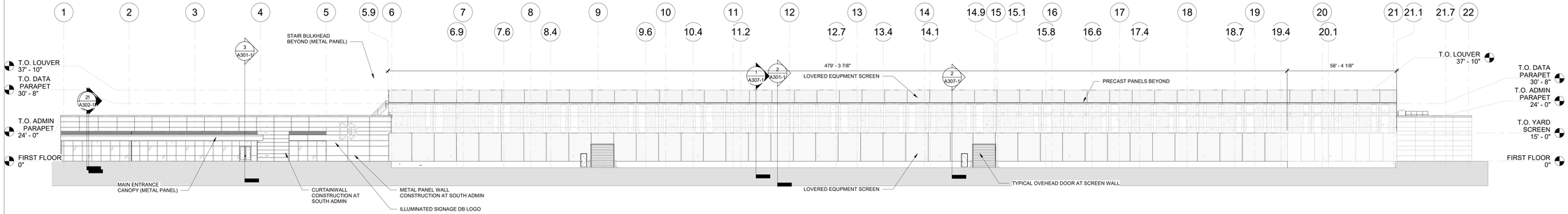
1 A201-1 COMPOSITE NORTH
SCALE: 1" = 20'-0"



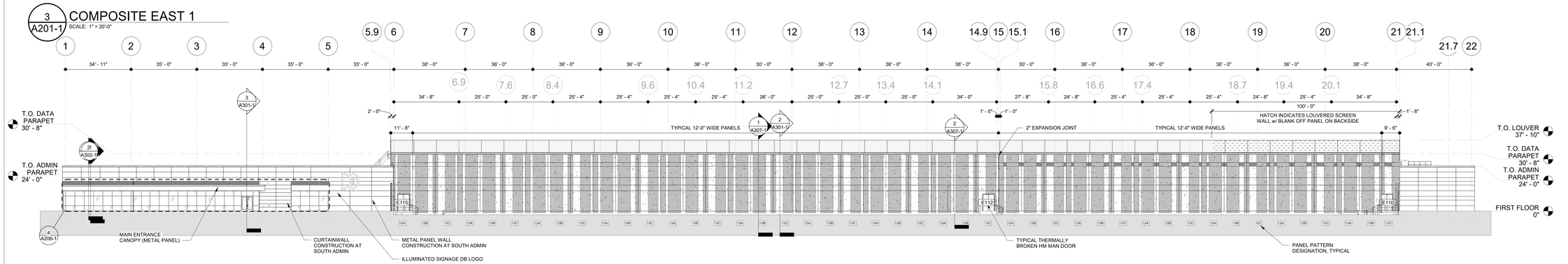
2 A201-1 COMPOSITE SOUTH
SCALE: 1" = 20'-0"



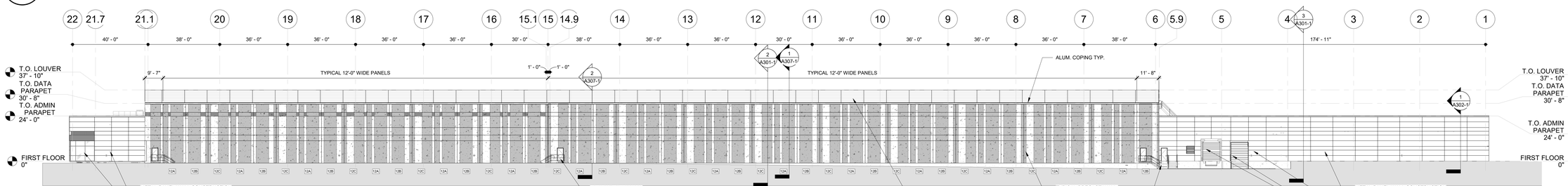
6 A201-1 N/E YARD SCREEN
SCALE: 1" = 20'-0"



3 A201-1 COMPOSITE EAST 1
SCALE: 1" = 20'-0"



4 A201-1 COMPOSITE EAST 2
SCALE: 1" = 20'-0"



5 A201-1 COMPOSITE WEST
SCALE: 1" = 20'-0"

Elevation Finish Legend

01	Precast Concrete Panel Color (Primary) - DB Gray 1
02	Precast Concrete Panel Color (Accent) - DB Medium Blue
03	Precast Concrete Panel Color (Accent) - DB Orange
04	1" Insulated Glazing by Guardian Glass AG43 or approved equal
05	1" Insulated Spandrel Glazing by Guardian Glass or approved equal
06	Interior-applied translucent film by 3M or approved equal. Basis of Design : 3M Crystal Glass Finish : Frosted Crystal.
07	Painted Steel Louver 50% open air - Color (Primary) - DB Putty. SEE MECH. DWGS FOR MORE INFO
	Metal Panels
08	Kingspan Composite Metal Panel Color - DB Orange (HEX ff681d)
09	Kingspan Composite Metal Panel Color - DB Gray 3 (HEX 707271)
10	Kingspan Composite Metal Panel Color - DB Putty (HEX eceee8)
11	Copings / Aluminum Fascia Color to match wall
12	Hollow Metal Doors & Frames Color to match color of adjacent metal panel or concrete panel
13	Overhead coiling metal doors Color to match color of adjacent metal panel or concrete panel
14	Aluminum Windows & Curtain Wall System Kawneer - Clear Anodized
15	Data Bank Logo (Orange) Internally Lit

Client:

DATABANK

Architect / MEP Engineers:

HIGHLAND ASSOCIATES
Architecture | Engineering | Interior Design

One East 33rd Street
New York, NY 10016
(212) 681-0200 (office)
www.highlandassociates.com

New York · Pennsylvania · Florida

Structural Engineer:

DESIMONE
60 MAN MAR DRIVE, UNIT #2
PLAINVILLE, MA 02762
T. 508.384.0163
www.de-dimone.com

Precast Engineer:

Security Consultant:

Site/Civil Consultant:

Kimley»Horn
1 N Lexington Ave, Suite 1575
White Plains, NY 10601
ph: 914-368-9200
www.kimley-horn.com

Key Plan:

No.	Description	Date
	SCHEMATIC DESIGN	03/07/22
	50% DD SUBMISSION	03/28/22
	DD SUBMISSION	04/22/22
	ISSUED FOR BID	06/10/22

Project:

DATABANK
LGA-3
2000 Corporate Dr,
Orangeburg, NY 10962
SHELL PACKAGE

Seal & Signature:

COMPOSITE OVERALL EXTERIOR BUILDING ELEVATIONS

Project Number:	2021-333P
Date:	06/10/22
Drawn By:	ERM
Checked By:	HA

Project Status

A201-1

PHASE 1 DESIGN DRAWINGS

FOR

DATABANK ORANGEBURG

2000 CORPORATE DRIVE
ORANGEBURG, NY 10962

PROJECT TEAM
CIVIL ENGINEER KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C. 1 NORTH LEXINGTON AVENUE SUITE 1575 WHITE PLAINS, NY 10601 TEL: (914) 368-9200 CONTACT: MIKE JUNGHANS, P.E. TRAFFIC ENGINEER KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C. 1 NORTH LEXINGTON AVENUE SUITE 1575 WHITE PLAINS, NY 10601 TEL: (914) 368-9200 CONTACT: JOHN CANNING, P.E. LANDSCAPE ARCHITECT KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C. 1 NORTH LEXINGTON AVENUE SUITE 1575 WHITE PLAINS, NY 10601 TEL: (914) 368-9200 CONTACT: KEVIN VAN HISE, PLA ARCHITECT HIGHLAND ASSOCIATES ONE EAST 33RD STREET NEW YORK, NY 10016 TEL: 212-681-0200 CONTACT: PAUL LEBLOND SURVEYOR INSITE ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C. 3 GARRETT PLACE CARMEL, NY 10512 TEL: 845-225-9690 CONTACT: JEFFREY B. DEROSA

PROPERTY INFORMATION
OWNER AND APPLICANT DATABANK 3110 N CENTRAL AVENUE, SUITE B-75 PHOENIX, AZ 85012 TEL: 347-873-1480 CONTACT: TONY QORRI SECTION: 73.15 BLOCK: 1 LOT: 19

SITE LOCATION MAP
Source: 1" = 1000'

NORTH

1000

Sheet List Table	
SHEET NUMBER	SHEET TITLE
C-0.0	COVER SHEET
C-0.1	LEGEND AND GENERAL NOTES
C-1.0	ZONING AND ABUTTERS PLAN
C-1.0	EXISTING CONDITIONS PLAN
C-2.0	BUILDING DEMOLITION AND EROSION CONTROL PLAN
C-2.1	BUILDING DEMOLITION AND EROSION CONTROL DETAILS
C-3.0	MASTER SITE PLAN
C-3.1	LAYOUT AND MATERIALS PLAN - PHASE 1
C-3.2	VEHICLE MANUEVERING (WB TRUCK)
C-3.3	VEHICLE MANUEVERING (FIRETRUCK)
C-4.0	GRADING AND DRAINAGE PLAN
C-5.0	UTILITY PLAN
C-6.0	EROSION AND SEDIMENT CONTROL PLAN
C-6.1	EROSION AND SEDIMENT CONTRL DETAILS
C-6.2	EROSION AND SEDIMENT CONTRL DETAILS
C-7.0	SITE DETAILS
C-7.1	SITE DETAILS
C-7.2	SITE DETAILS
C-7.3	SITE DETAILS
LA-1.0	LANDSCAPING PLAN
LA-1.1	LANDSCAPING DETAILS
LT-1.0	LIGHTING PLAN

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: MWJ
CHECKED BY:

COVER SHEET

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

SHEET NUMBER
C-0.0

GENERAL CONSTRUCTION NOTES

1. 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.

2. 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.

3. 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.

4. 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.

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

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

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

12. 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.

13. 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.

14. 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.

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

16. 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-(3RADE 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 SWP.

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:

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

67. 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.

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

69. 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.

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

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

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

89. 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.

90. 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.

91. 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.

92. 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.

93. 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.

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

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

96. 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.

97. 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.

98. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES REQUIRED BY THE CONTRACT WORK AND SHALL OBTAIN AU. REQUIRED 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.

99. 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.

100. 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.

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

102. 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.

103. ASA 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

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

105. 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 FINISH GRADE OR AS OTHERWISE REQUIRED TO FUNCTION PROPERLY.

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

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

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 AUTHORITY HAVING JURISDICTION.

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 AUTHORITY HAVING JURISDICTION. 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 LOCAL 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.

INFILTRATION NOTES

SUBGRADE PREPARATION

1. EXISTING SUBGRADE UNDER BED AREAS SHALL NOT BE COMPACTED OR SUBJECT TO CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO GEOTEXTILE AND RETENTION LAYER PLACEMENT.

2. CONTRACTOR SHALL DETERMINE SUBGRADE PERMEABILITY IN ACCORDANCE WITH ASTM D 3385 BEFORE CONCRETE PLACEMENT. CONTRACTOR SHALL PROVIDE PERMEABILITY TESTING FOR SUBGRADE TO CONFIRM THAT SUBGRADE PERMEABILITY MEETS REQUIREMENTS OF CONTRACT DOCUMENTS.

3. CONTRACTOR SHALL PREPARE SUBGRADE AS SPECIFIED IN THE CONTRACT DOCUMENTS, INSURING THE BOTTOM OF THE RETENTION LAYER IS AT LEVEL GRADE.

4. CONTRACTOR SHALL KEEP ALL TRAFFIC OFF OF THE SUBGRADE DURING CONSTRUCTION TO THE MAXIMUM EXTENT PRACTICAL. CONTRACTOR SHALL REGRADE AND RE-COMPACT SUBGRADE DISTURBED BY RETENTION LAYER DELIVERY VEHICLES OR OTHER CONSTRUCTION TRAFFIC, AS NEEDED.

5. CONTRACTOR SHALL CONSTRUCT SUBGRADE TO ENSURE THAT THE REQUIRED PAVEMENT THICKNESS IS OBTAINED IN ALL LOCATIONS.

6. CONTRACTOR SHALL SCARIFY SUBGRADE TO A MINIMUM DEPTH OF TWELVE (12) INCHES PRIOR TO PLACING THE NON-WOVEN GEOTEXTILE MATERIAL.

RETENTION LAYER NOTES

1. WHERE SPECIFIED, CONTRACTOR SHALL PREPARE RETENTION LAYER IN ACCORDANCE WITH CONTRACT DOCUMENTS.

2. THE NON-WOVEN GEOTEXTILE AND RETENTION LAYER AGGREGATE SHALL BE PLACED IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION. ANY ACCUMULATION OF DEBRIS OR SEDIMENT WHICH HAS TAKEN PLACE AFTER APPROVAL OF SUBGRADE SHALL BE REMOVED PRIOR TO INSTALLATION OF GEOTEXTILE AT NO EXTRA COST TO THE OWNER.

3. PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF GEOTEXTILE SHALL OVERLAP A MINIMUM OF SIXTEEN INCHES (16"). SECURE GEOTEXTILE AT LEAST FOUR FEET (4') OUTSIDE OF BED AND TAKE ANY STEPS NECESSARY TO PREVENT ANY RUNOFF OR SEDIMENT FROM ENTERING THE RETENTION LAYER.

4. INSTALL COARSE AGGREGATE IN 8-INCH MAXIMUM LIFTS. AGGREGATE SHALL MEET THE REQUIREMENTS SPECIFIED IN THE CONTRACT DOCUMENTS. LIGHTLY COMPACT EACH LAYER WITH EQUIPMENT, KEEPING EQUIPMENT MOVEMENT OVER RETENTION LAYER AND SUBGRADE TO A MINIMUM. INSTALL AGGREGATE TO GRADES INDICATED IN THE CONTRACT DOCUMENTS.

5. CONSTRUCT RETENTION LAYER TO ENSURE THAT THE REQUIRED PAVEMENT THICKNESS IS OBTAINED IN ALL LOCATIONS.

6. FOLLOWING PLACEMENT OF RETENTION LAYER AGGREGATE, THE GEOTEXTILE SHALL BE FOLDED BACK ALONG ALL BED EDGES TO PROTECT FROM SEDIMENT WASHOUT ALONG RETENTION LAYER EDGES. AT LEAST A FOUR (4) FOOT EDGE STRIP SHALL BE USED TO PROTECT BEDS FROM ADJACENT BARE SOIL. THIS EDGE STRIP SHALL REMAIN IN PLACE UNTIL ALL BARE SOILS CONTIGUOUS TO BEDS ARE STABILIZED AND VEGETATED. IN ADDITION, TAKE ANY OTHER NECESSARY STEPS TO PREVENT SEDIMENT FROM WASHING OR TRACKING INTO BEDS DURING SITE DEVELOPMENT. WHEN THE SITE IS FULLY STABILIZED, TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED.

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.

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.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

Kimley»Horn

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

DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

LEGEND AND GENERAL NOTES

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

SHEET NUMBER
C-0.1

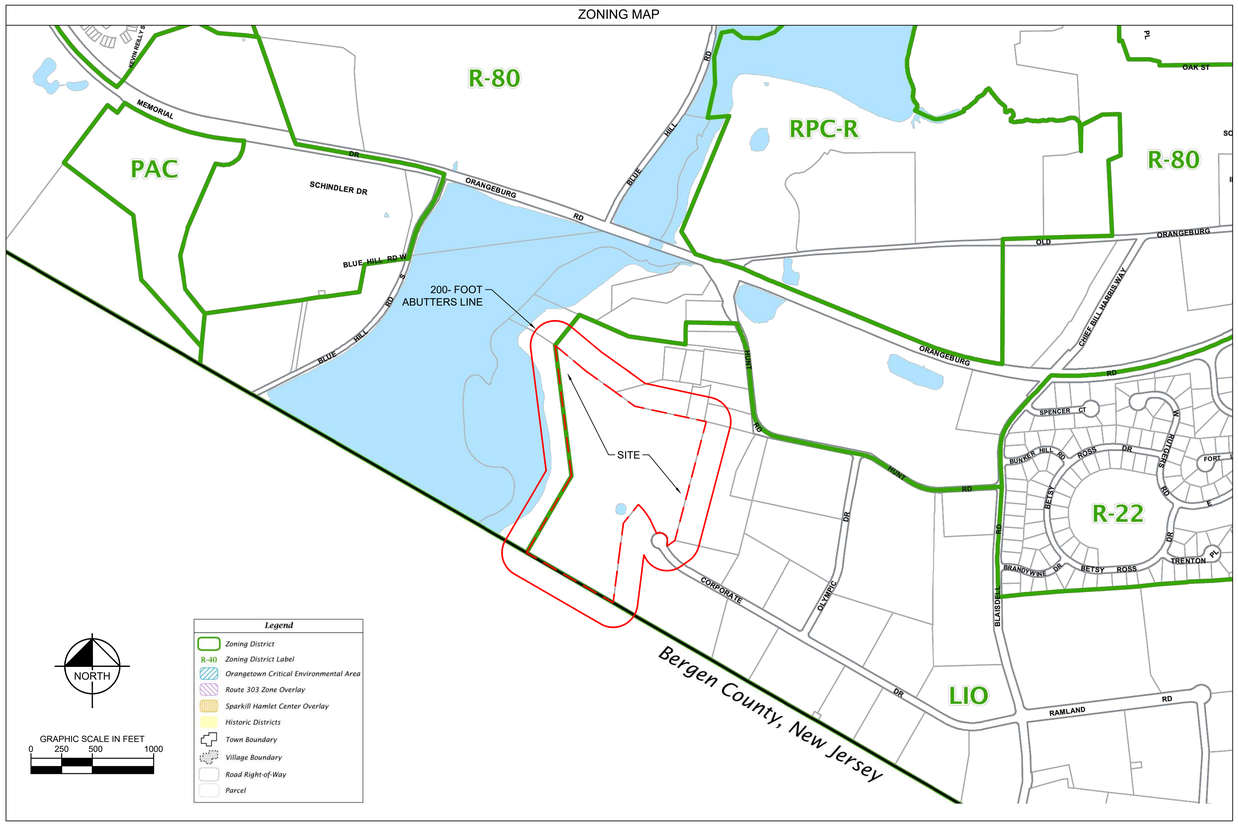
200-FOOT ABUTTERS MAP

ABUTTERS LIST (PROVIDED BY ORANGETOWN)

PAGE # 1

SWIS	PRINT KEY	NAME	ADDRESS
~~392489~~	~~73.11-1-5~~	~~Berwah Realty Corp~~	~~P.O. Box 71970,Phoenb,AZ 85058~~
392489	73.15-1-2	Atlus Group US Inc 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	89 Hunt Road LLC Claude Baumann	15 Winding Way,Upper Saddle River, NJ 07458
392489	73.15-1-8	Kalra 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 Atlus 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

ZONING MAP



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/71bc97364aa743858ff39457585a88fa
3. ABUTTERS LIST SOURCE:
   ROCKLAND COUNTY GIS AND BERGEN COUNTY GIS
4. KIMLEY-HORN DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ON THIS SHEET. INFORMATION PROVIDED FOR GENERAL INFORMATIONAL PURPOSES ONLY.

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
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NOT FOR CONSTRUCTION

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DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

ZONING AND ABUTTERS PLAN

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

SHEET NUMBER
C-1.0

EXISTING CONDITIONS NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "PRELIMINARY TOPOGRAPHIC SURVEY", PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., DATED JANUARY 4TH, 2022.
2. 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 CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
3. ELEVATIONS SHOWN ARE REFERENCED TO NAVD88 DATUM - AS SHOWN ON THE ABOVE MENTIONED SURVEY.

LEGEND

Symbol	Description
—— LOD ——	LIMITS OF DISTURBANCE APPROXIMATELY 15.59 ACRES
(hatched)	STEEP SLOPE AREA (> 25%) APPROXIMATELY 0.21 ACRES

GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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DATABANK

KHA PROJECT	112117011
DATE	01-27-2022
SCALE:	AS SHOWN
DESIGNED BY:	
DRAWN BY:	BMD
CHECKED BY:	MWJ

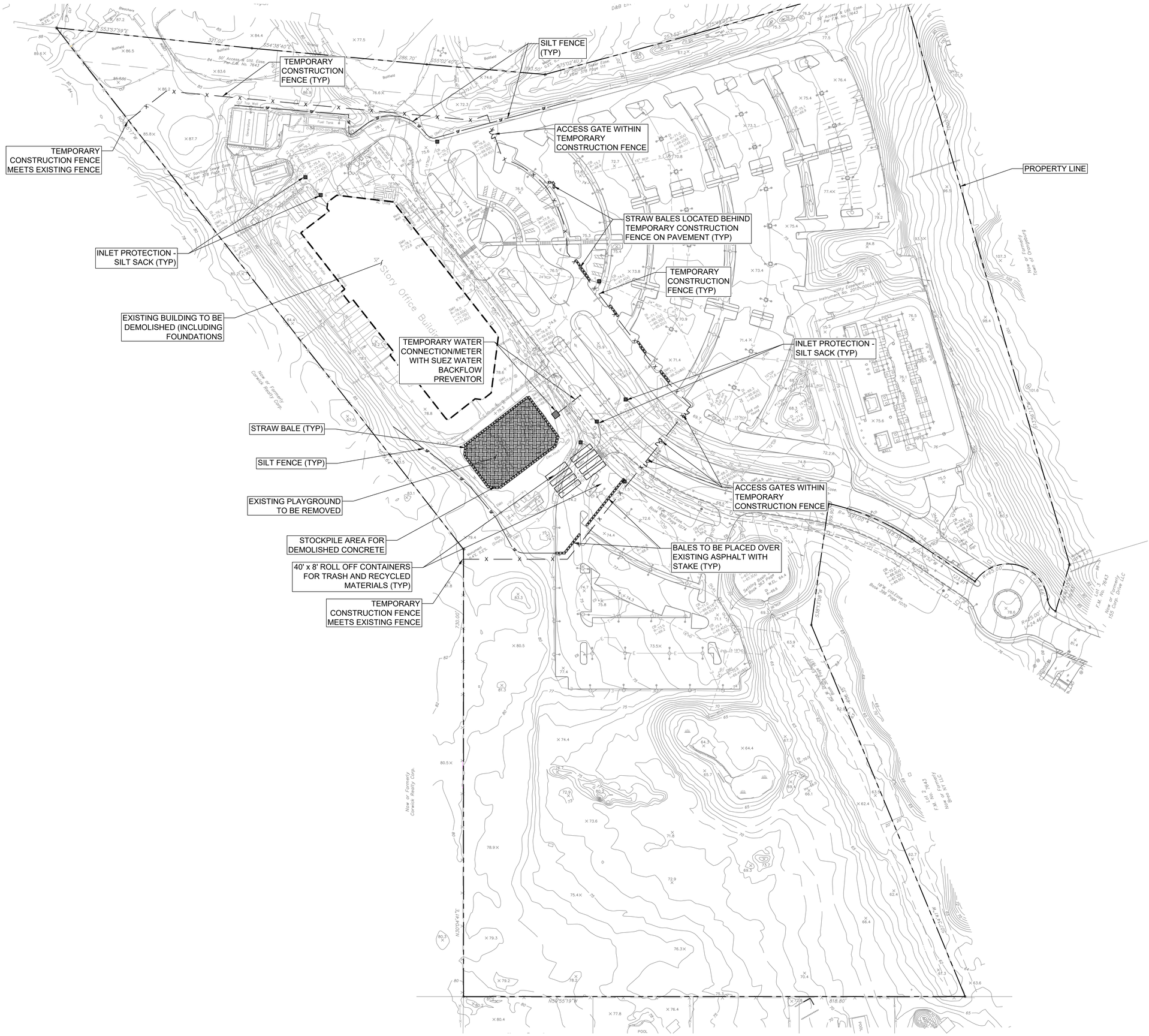
EXISTING CONDITIONS PLAN

DATABANK ORANGEBURG

2000 CORPORATE DRIVE
ORANGEBURG, NY 10962

TOWN OF ORANGEBURG NEW YORK

SHEET NUMBER
C-1.0



EXISTING CONDITIONS NOTES

1. PROPERTY LINES AND EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY MAP ENTITLED "PRELIMINARY TOPOGRAPHIC SURVEY", PREPARED BY INSITE ENGINEERING, SURVEY, AND LANDSCAPE ARCHITECTURE, P.C., DATED JANUARY 4TH, 2022.
2. 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 CONTRACTOR BEFORE BEGINNING CONSTRUCTION.
3. ELEVATIONS SHOWN ARE REFERENCED TO NAVD88 DATUM - AS SHOWN ON THE ABOVE MENTIONED SURVEY.

DEMOLITION NOTES

1. ALL TRUCK TRAFFIC WILL BE ON EXISTING PAVEMENT. THEREFORE, A STABILIZED CONSTRUCTION ENTRANCE IS NOT NEEDED.ALL SEDIMENT TRACKING ON EXISTING PAVEMENT SHALL BE PREVENTED BY PERIODIC PAVEMENT SWEEPINGS.
2. PER CHAPTER 22 OF THE TOWN OF ORANGETOWN CODE, "The sound of any power tool, machinery or equipment in use in any construction project or the repair of any building or in any commercial activity or manufacturing process not wholly contained within a closed structure a) in any zone other than a residential zone, prior to 7:00 AM or after 8:00 PM"

LEGEND

- PROPERTY LINE
- SILT FENCE
- TEMPORARY CONSTRUCTION FENCE
- INLET PROTECTION FILTER
- STRAW BALES
- STOCKPILE AREA FOR DEMOLISHED CONCRETE
- ROLL OFF CONTAINER FOR TRASH AND RECYCLED MATERIALS
- BUILDING AND FOUNDATION TO BE REMOVED
- TEMPORARY WATER LINE

GRAPHIC SCALE IN FEET
0 30 60 120

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

Kimley»Horn

11 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
WWW.KIMLEY-HORN.COM

DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: MWJ
CHECKED BY: KH

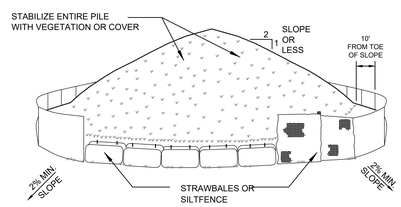
BUILDING DEMOLITION AND EROSION CONTROL PLAN

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

SHEET NUMBER
C-2.0

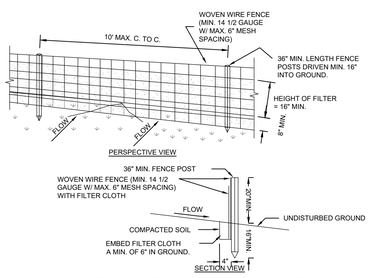
INSTALLATION NOTES:

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



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.

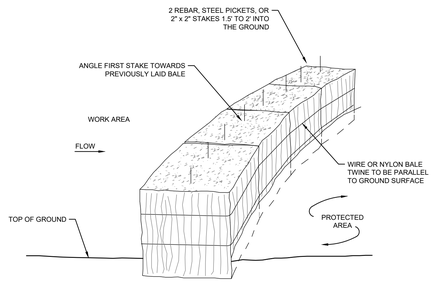
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

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

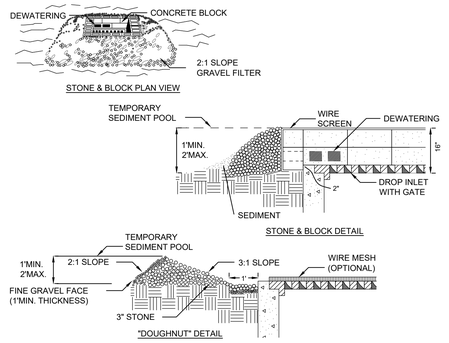
INSTALLATION NOTES:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR
3. RE-BAR ANGLED TOWARDS PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.



STRAW BALE - EMBEDDED

N.T.S. SOURCE: KIMLEY-HORN



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.

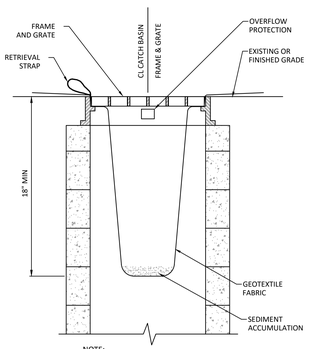
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.

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



NOTE:

CATCH BASIN INSERTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SILT SACK DETAIL

N.T.S. SOURCE: KIMLEY-HORN

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

Kimley»Horn

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DATABANK

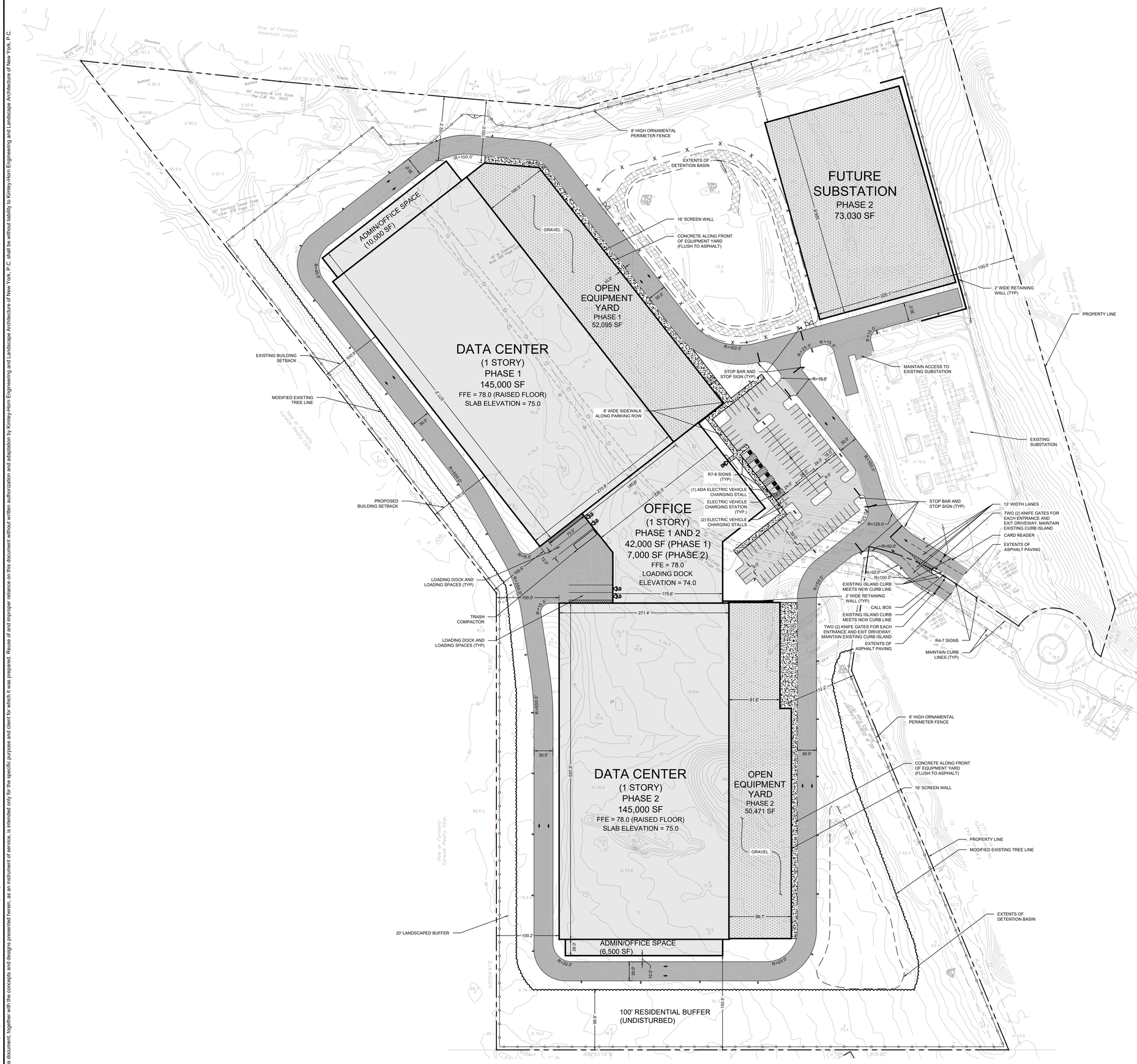
KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

BUILDING DEMOLITION AND EROSION CONTROL DETAILS

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

SHEET NUMBER
C-2.1

k:\whp_civil\112117011_orangeburg databank_orangeburg, ny\7. civil\2. cad\plansheets\interim zoning plans\C-3.0 MASTER SITE PLAN.dwg



NOTES

1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
4. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
5. ALL ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

LEGEND

- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- STANDARD DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- RIP RAP (STONE)
- EQUIPMENT YARD AND SUBSTATION (STONE AND CONCRETE)
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- EXTENTS OF DETENTION BASIN
- MODIFIED EXISTING TREE LINE

ZONING REQUIREMENTS

ZONING DISTRICT	LIO - LIGHT INDUSTRIAL-OFFICE DISTRICT		
EXISTING USE	OFFICE		
PROPOSED USE	DATA CENTER		
	REQUIRED	**EXISTING**	**PROPOSED**
MIN. LOT AREA	2 AC.	33.93 AC.	NO CHANGE
MIN. LOT WIDTH	300 FT	1500 FT	NO CHANGE
FRONT YARD SETBACK	100 FT	<100 FT	<100 FT
SIDE YARD SETBACK	100 / 200 FT	<100 / 200 FT	100 FT
REAR YARD SETBACK	100 FT [1]	±100.9 FT	100.0 FT
MAX. FLOOR AREA RATIO	0.4	-	0.23
MAX. BUILDING HEIGHT	±25 FT [2]	-	30.67'

[1] POTENTIAL ADDITIONAL 50 FT BUFFER FOR RESIDENTIAL ZONE ON A RESERVOIR. DB TO DETERMINE IF APPLICABLE.
[2] MAXIMUM HEIGHT SHALL BE 3 INCHES PER FOOT OF DISTANCE FROM NEAREST LOT LINE.

PARKING REQUIREMENTS

	REQUIRED	**PROPOSED**
STANDARD SPACES	9 FT X 18 FT	9 FT X 18 FT
WAREHOUSE (1 SP / 300 SF)	967 SPACES	-
OFFICE (1 SP / 200 SF GFA)	320 SPACES	
TOTAL (STANDARD & ADA)	1295 SPACES	107 SPACES (V)
ADA SPACES	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT
STANDARD ACCESSIBLE	24 SPACES	5 SPACES
VAN ACCESSIBLE	4 SPACES	1 SPACE
LOADING SPACES		
OFFICE & WAREHOUSE	16 SPACES	4 SPACES (V)

(V) - VARIANCE REQUESTED

SIGN LEGEND

M.U.T.C.D. Number	Specification Width	Specification Height	SIGN
R1-1	30"	30"	STOP
R4-7	24"	30"	
R7-8	12"	18"	RESERVED PARKING

GRAPHIC SCALE IN FEET
0 30 60 120

NORTH

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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11 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
WWW.KIMLEY-HORN.COM

DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: BMD
CHECKED BY: MWJ

MASTER SITE PLAN

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

SHEET NUMBER
C-3.0

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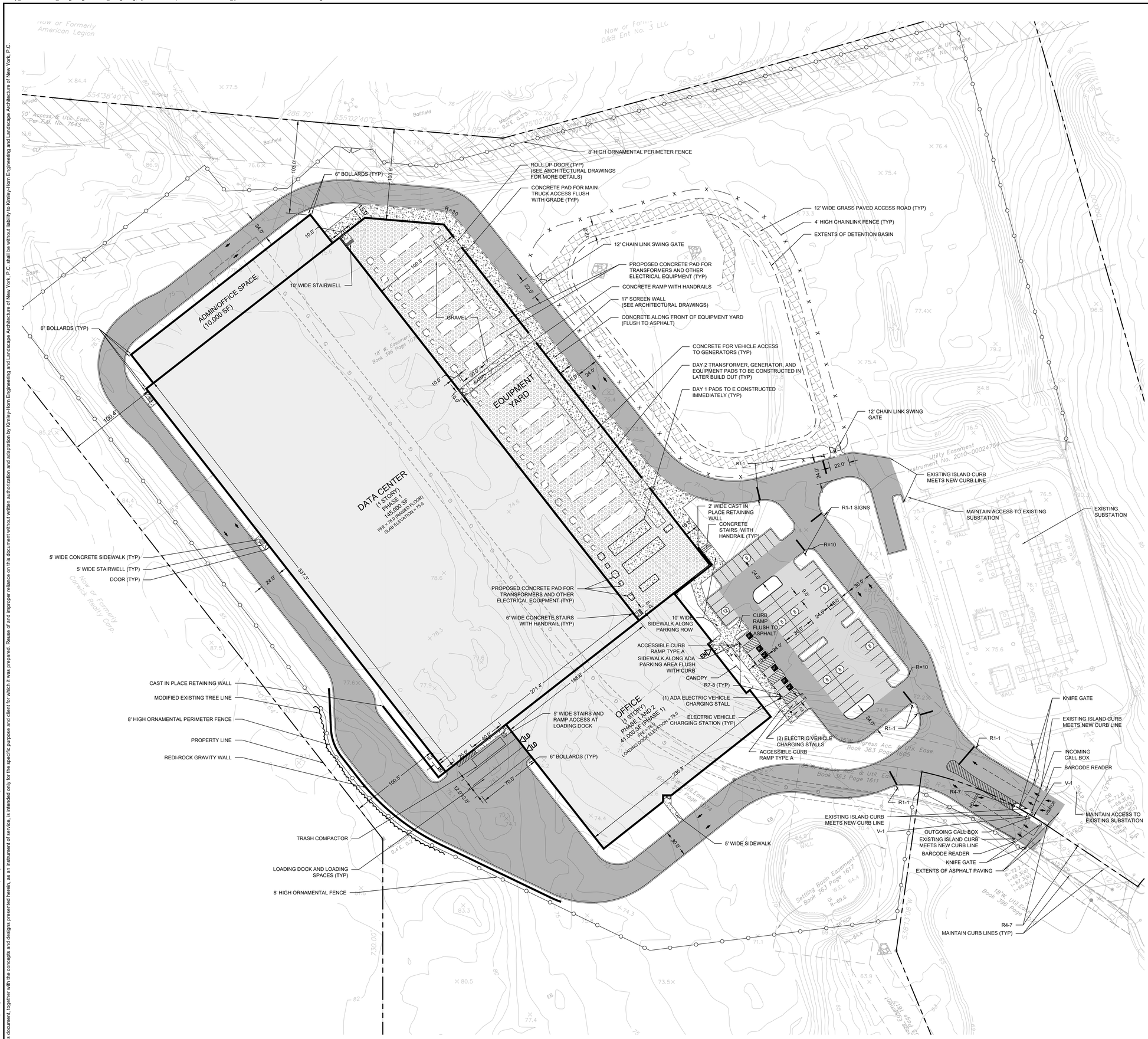


NOTES

1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
4. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3-FEET, TYPICAL.
5. ALL ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.

ELEVATION NOTE

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

LEGEND

- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- STANDARD DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- GRASS PAVE
- RIP RAP (STONE)
- EQUIPMENT YARD AND SUBSTATION (STONE AND CONCRETE)
- DAY 1 EQUIPMENT PAD
- DAY 2 EQUIPMENT PAD
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- EXTENTS OF DETENTION BASIN
- MODIFIED EXISTING TREE LINE

SIGN LEGEND

M.U.T.C.D. Number	Specification Width	Specification Height	SIGN
R1-1	30"	30"	STOP
R4-7	24"	30"	
R7-8	12"	18"	RESERVED PARKING
V-1	24"	30"	VISITOR CALL BOX

ZONING REQUIREMENTS

ZONING DISTRICT	LIO - LIGHT INDUSTRIAL-OFFICE DISTRICT		
EXISTING USE	OFFICE		
PROPOSED USE	DATA CENTER		
	REQUIRED	**EXISTING**	**PROPOSED**
MIN. LOT AREA	2 AC.	17.53 AC	NO CHANGE
MIN. LOT WIDTH	300 FT	1500 FT	NO CHANGE
FRONT YARD SETBACK	100 FT	<100 FT	<100 FT
SIDE YARD SETBACK	100 / 200 FT	<100 / 200 FT	100 FT
REAR YARD SETBACK	100 FT [1]	±100.9 FT	100.6 FT
MAX. FLOOR AREA RATIO	0.4	-	0.23
MAX. BUILDING HEIGHT	±25 FT [2]	-	30.67 FT

[1] POTENTIAL ADDITIONAL 50 FT BUFFER FOR RESIDENTIAL ZONE ON A RESERVOIR. DB TO DETERMINE IF APPLICABLE.
[2] MAXIMUM HEIGHT SHALL BE 3 INCHES PER FOOT OF DISTANCE FROM NEAREST LOT LINE.

PARKING REQUIREMENTS

	REQUIRED	**PROPOSED**
STANDARD SPACES	9 FT X 18 FT	9 FT X 18 FT
WAREHOUSE (1 SP / 300 SF)	484 SPACES	-
OFFICE (1 SP / 200 SF GFA)	255 SPACES	-
TOTAL (STANDARD & ADA)	739 SPACES	70 SPACES (V)
ADA SPACES	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT	STANDARD: 8 FT X 18 FT VAN: 11 FT X 18 FT
STANDARD ACCESSIBLE	24 SPACES	5 SPACES
VAN ACCESSIBLE	4 SPACES	1 SPACE
LOADING SPACES		
OFFICE & WAREHOUSE	16 SPACES	2 SPACES (V)

(V) - VARIANCE REQUESTED

REQUESTED VARIANCES

1. PARKING (TOTAL SPACES)
2. LOADING (TOTAL SPACES)
3. LOADING DOCK ENVELOPE

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

Kimley»Horn

1 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
WWW.KIMLEY-HORN.COM

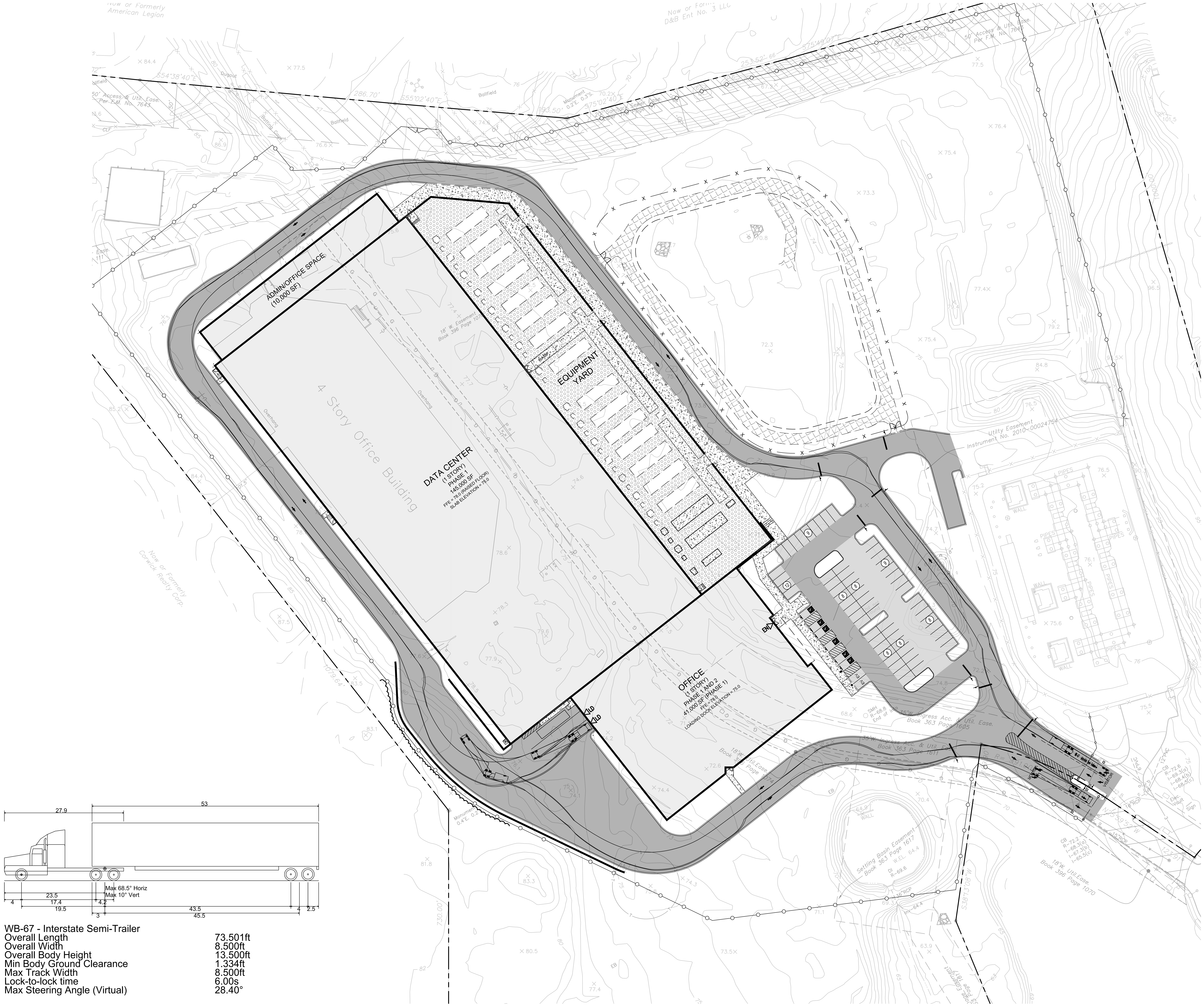
DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: MWJ
CHECKED BY: MWJ

LAYOUT AND MATERIALS PLAN PHASE 1

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

SHEET NUMBER
CD-3.0



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°

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

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DATABANK

KHA PROJECT	112117011
DATE	01-27-2022
SCALE:	AS SHOWN
DESIGNED BY:	
DRAWN BY:	BMD
CHECKED BY:	MWJ

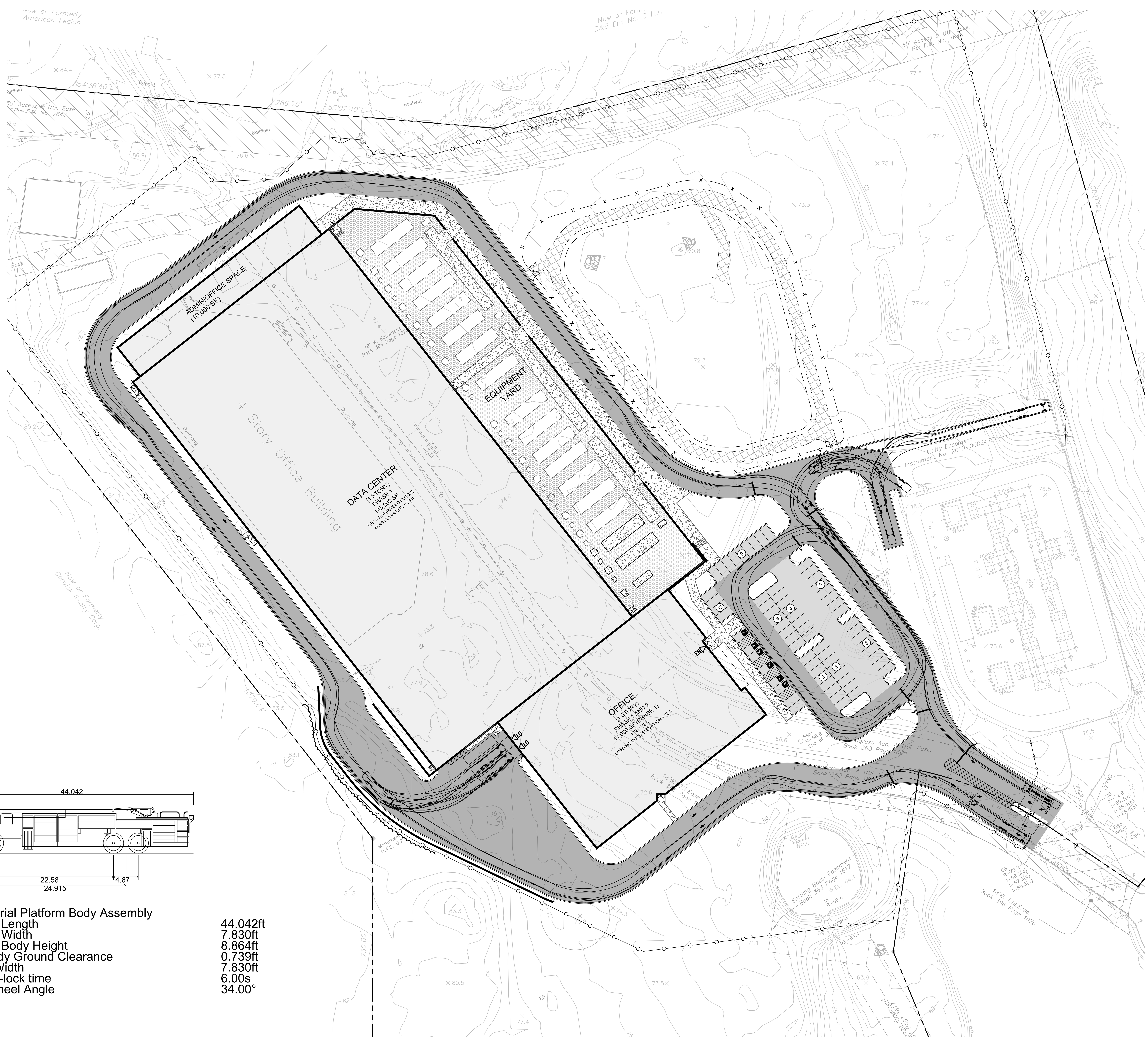
VEHICLE MANEUVERING (WB TRUCK)

DATABANK ORANGEBURG
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962

TOWN OF ORANGEBURG NEW YORK

SHEET NUMBER
C-3.2

k:\whp_civil\112117011_orangeburg databank_orangeburg, ny\7. civil\2. cad\plansheets\interim zoning plans\C-3.2 VEHICLE MANUEVERING.dwg



100' Aerial Platform Body Assembly	
Overall Length	44.042ft
Overall Width	7.830ft
Overall Body Height	8.864ft
Min Body Ground Clearance	0.739ft
Track Width	7.830ft
Lock-to-lock time	6.00s
Max Wheel Angle	34.00°

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

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WHITE PLAINS, NY 10601
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DATABANK

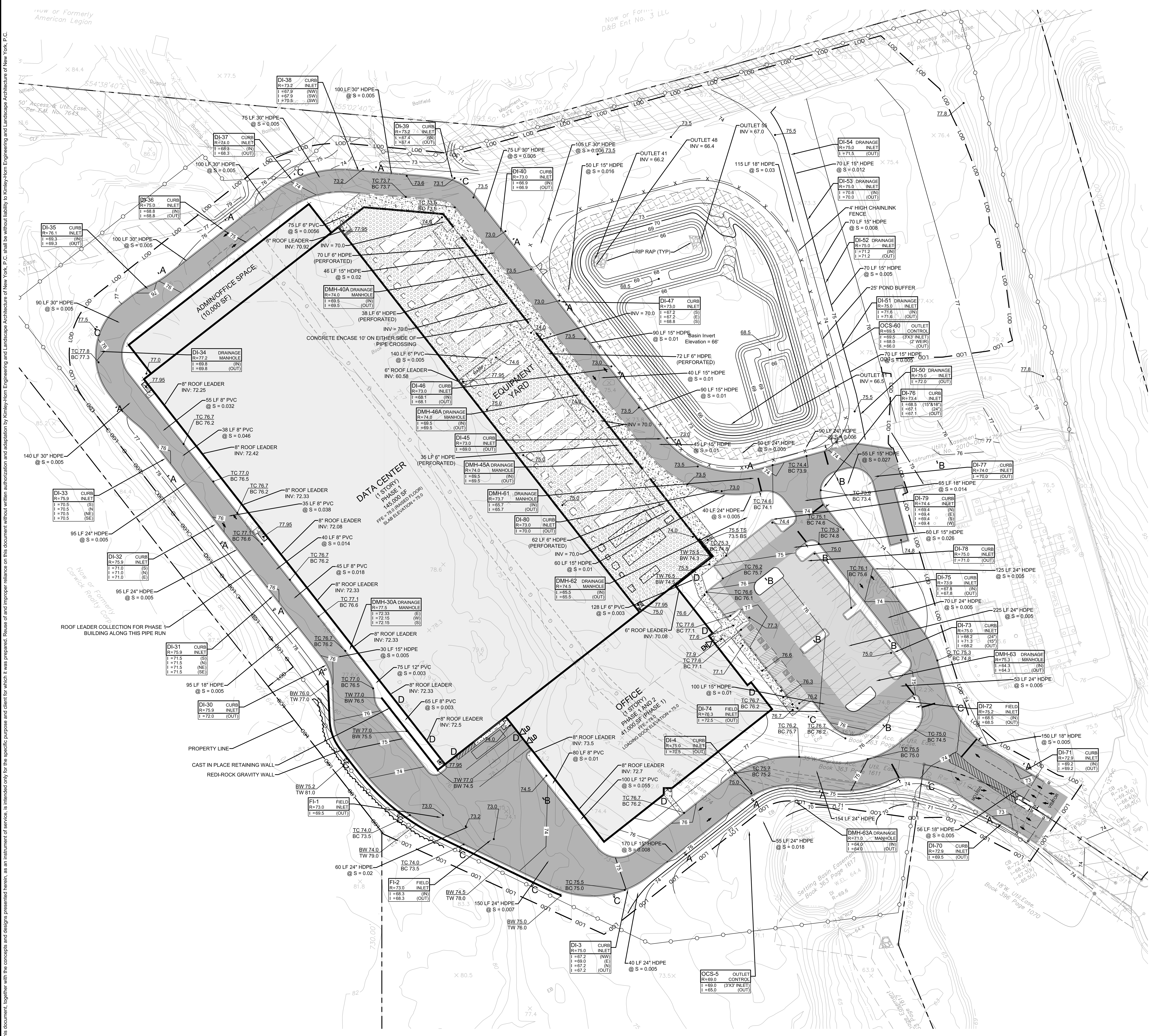
KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

VEHICLE MANEUVERING (FIRETRUCK)

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

SHEET NUMBER
C-3.3

k:\whp_civil\112117011_orangeburg databank_orangeburg, ny\7. civil\2. cad\plansheets\interim zoning plans\C-4.0 GRADING AND DRAINAGE PLAN.dwg



LEGEND

— — —	LOT LINE
— XXX —	EXISTING CONTOUR
—— XXX ——	PROPOSED CONTOUR
—— LOD ——	LIMIT OF DISTURBANCE (APPROX. 24.1 ACRES)
X.XX	PROPOSED SLOPE
95.0 TW / 92.0 BW	PROPOSED ELEVATION
(D)	PROPOSED STORM DRAINAGE STRUCTURES
	PROPOSED STORM DRAINAGE PIPE
DI-XX DRAINAGE INLET R=XX.X I =XX.X (IN) I =XX.X (OUT)	DRAINAGE STRUCTURE INFORMATION
XX LF XX" HDPE @ S = X.XX / XX LF XX" PVC @ S = X.XX	DRAINAGE PIPE INFORMATION

ELEVATION NOTE

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

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DATABANK

KHA PROJECT	112117011
DATE	01-27-2022
SCALE:	AS SHOWN
DESIGNED BY:	
DRAWN BY:	BMD
CHECKED BY:	MWJ

GRADING AND DRAINAGE PLAN

DATABANK ORANGEBURG
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962

TOWN OF ORANGEBURG NEW YORK

SHEET NUMBER
C-4.0

Saved Thursday, July 28, 2022 4:04:04 PM KITTY.CHEN Plotted Tuesday, August 2, 2022 2:16:06 PM Chen, Kitty

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LEGEND

- LOT LINE
- PROPOSED SANITARY LINE
- PROPOSED WATER LINE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED SEWER CLEANOUT
- PROPOSED WATER VALVE, BENDS, AND FIRE HYDRANT
- PROPOSED STORM DRAINAGE STRUCTURES
- PROPOSED STORM DRAINAGE PIPE
- DRAINAGE STRUCTURES INFORMATION (SMH-XX SANITARY MANHOLE; I=XX.X (IN); I=XX.X (OUT))
- ELECTRICAL CONDUIT FROM PHASE 1 DATA CENTER
- ELECTRICAL CONDUIT FROM PHASE 2 DATA CENTER
- TELECOM CONDUIT TO PHASE 1 DATA CENTER
- ELECTRICAL MANHOLE (TYP)
- TELECOM MANHOLE (TYP)

ELEVATION NOTE

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

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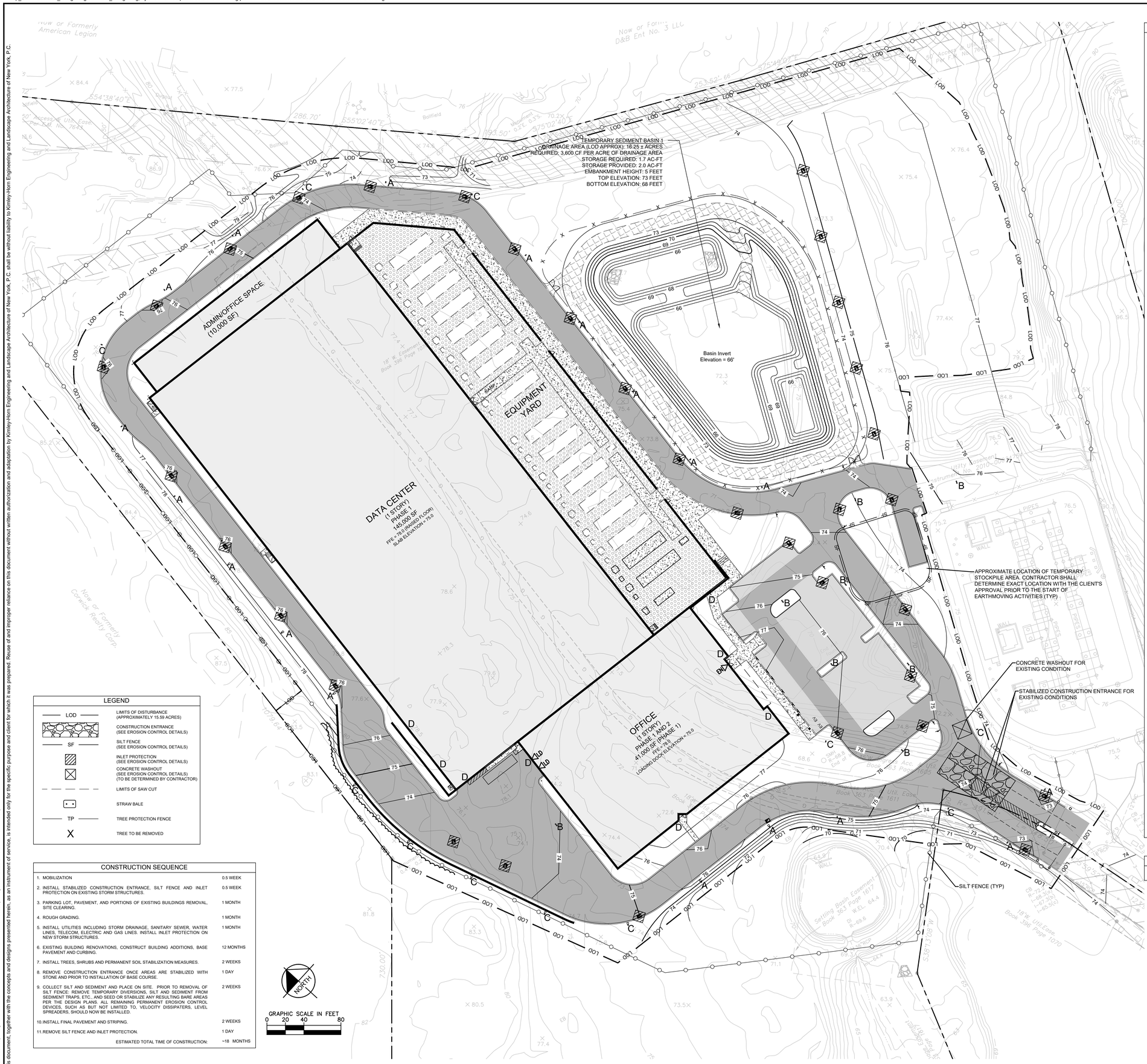
DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: MVJ
CHECKED BY: MVJ

UTILITY PLAN

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

SHEET NUMBER
C-5.0



LEGEND

LOD	LIMITS OF DISTURBANCE (APPROXIMATELY 15.59 ACRES)
	CONSTRUCTION ENTRANCE (SEE EROSION CONTROL DETAILS)
SF	SILT FENCE (SEE EROSION CONTROL DETAILS)
	INLET PROTECTION (SEE EROSION CONTROL DETAILS)
	CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
	LIMITS OF SAW CUT
	STRAW BALE
TP	TREE PROTECTION FENCE
X	TREE TO BE REMOVED

CONSTRUCTION SEQUENCE

1. MOBILIZATION	0.5 WEEK
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND INLET PROTECTION ON EXISTING STORM STRUCTURES.	0.5 WEEK
3. PARKING LOT, PAVEMENT, AND PORTIONS OF EXISTING BUILDINGS REMOVAL, SITE CLEARING.	1 MONTH
4. ROUGH GRADING.	1 MONTH
5. INSTALL UTILITIES INCLUDING STORM DRAINAGE, SANITARY SEWER, WATER LINES, TELECOM, ELECTRIC AND GAS LINES. INSTALL INLET PROTECTION ON NEW STORM STRUCTURES.	1 MONTH
6. EXISTING BUILDING RENOVATIONS, CONSTRUCT BUILDING ADDITIONS, BASE PAVEMENT AND CURBING.	12 MONTHS
7. INSTALL TREES, SHRUBS AND PERMANENT SOIL STABILIZATION MEASURES.	2 WEEKS
8. REMOVE CONSTRUCTION ENTRANCE ONCE AREAS ARE STABILIZED WITH STONE AND PRIOR TO INSTALLATION OF BASE COURSE.	1 DAY
9. COLLECT SILT AND SEDIMENT AND PLACE ON SITE. PRIOR TO REMOVAL OF SILT FENCE, REMOVE TEMPORARY DIVERSIONS, SILT AND SEDIMENT FROM SEDIMENT TRAPS, ETC., AND SEED OR STABILIZE ANY RESULTING BARE AREAS PER THE DESIGN PLANS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS BUT NOT LIMITED TO, VELOCITY DISSIPATERS, LEVEL SPREADERS, SHOULD NOW BE INSTALLED.	2 WEEKS
10. INSTALL FINAL PAVEMENT AND STRIPING.	2 WEEKS
11. REMOVE SILT FENCE AND INLET PROTECTION.	1 DAY
ESTIMATED TOTAL TIME OF CONSTRUCTION:	~18 MONTHS

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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 PROJECT'S 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 VILLAGE OF SLEEPY HOLLOW. 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 OWNERS REPRESENTATIVE AND VILLAGE ENGINEER.

PRODUCTS AND EXECUTION

A. NO PUMPING OR DEWATERING INTO THE EXISTING STORMWATER SEWER MAIN WITHOUT PRE-FILTERING AS APPROVED BY THE VILLAGE 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, ROOTS, 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 ARCOSTOCK 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 SIMILIAR 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.

NO.	DATE	BY
4	07/28/2022	KH
3	05/13/2022	KH
2	04/14/2022	KH
1	03/29/2022	KH
	ZBA SUBMISSION	
	SITE PLAN REVISIONS	
	SITE PLAN SUBMISSION	
	50% DDs	
	REVISIONS	

NOT FOR CONSTRUCTION

Kimley»Horn
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11 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
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DATABANK

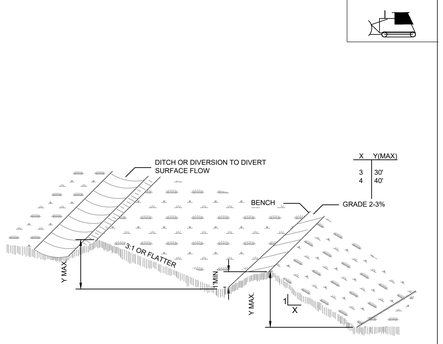
KHA PROJECT	112117011
DATE	01-27-2022
SCALE:	AS SHOWN
DESIGNED BY:	BMD
DRAWN BY:	MVJ
CHECKED BY:	

EROSION AND SEDIMENT CONTROL PLAN

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

SHEET NUMBER
C-6.0

SYMBOL

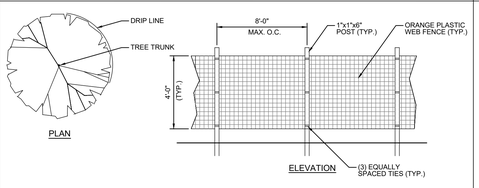


CONSTRUCTION SPECIFICATIONS

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



TREE PROTECTION NOTES:

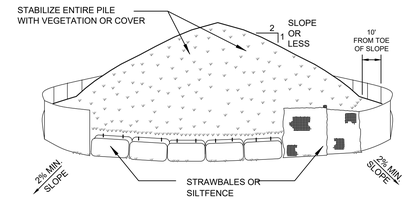
1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY EROSION CONTROL FENCE AND HAY BALE BARRIER. ERECT BARRIER AT EDGE OF THE EARTHWORK CUT LINE PRIOR TO TREE CLEARING. LAY OUT THIS LINE BY FIELD SURVEY.
2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL 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:

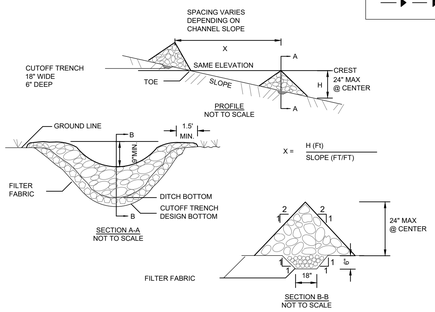
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SILT FENCE DETAIL ON THIS SHEET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



SOIL STOCKPILE AREA

N.T.S. SOURCE: KIMLEY-HORN

SYMBOL

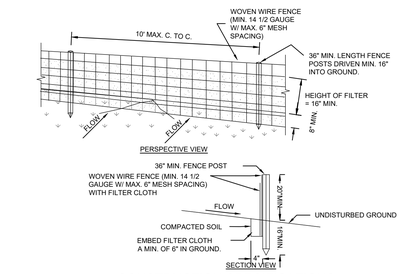


CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

STONE CHECK DAM

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



CONSTRUCTION SPECIFICATIONS

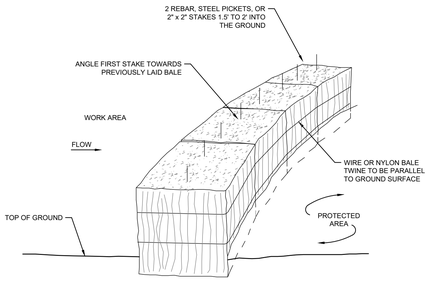
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 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

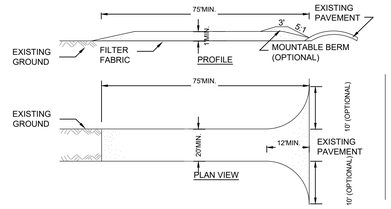
INSTALLATION NOTES:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES. BALES SHALL BE SECURELY ANCHORED IN PLACE BY STAKES OR
3. RE-BAR ANGLED TOWARDS PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.



STRAW BALE - EMBEDDED

N.T.S. SOURCE: KIMLEY-HORN

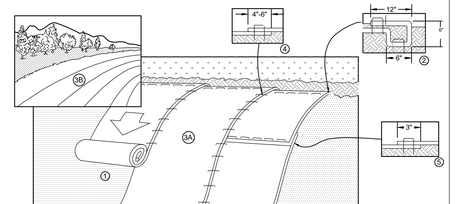


CONSTRUCTION SPECIFICATIONS

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

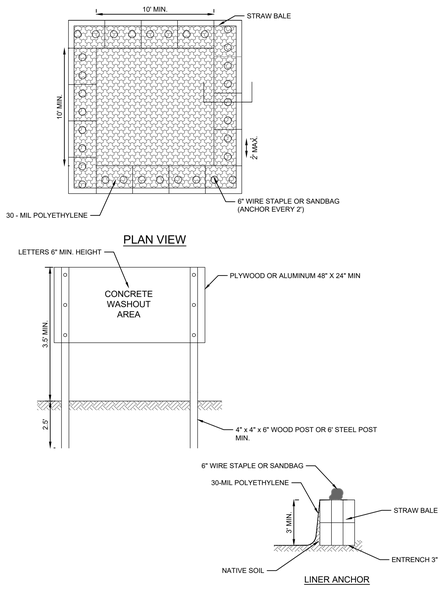


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 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



STRAW BALE ANCHOR SECTIONS

CONCRETE WASHOUT AREA

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

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

Kimley»Horn

11 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
WWW.KIMLEY-HORN.COM

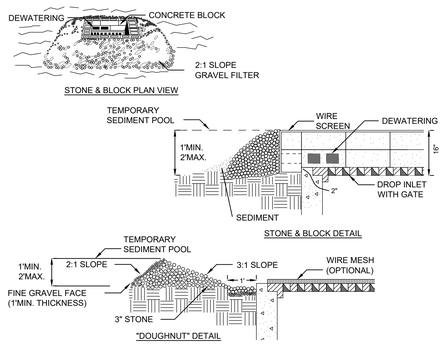
DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY: BMD
DRAWN BY: MWJ
CHECKED BY: MWJ

EROSION AND SEDIMENT CONTRL DETAILS

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

SHEET NUMBER
C-6.1



CONSTRUCTION SPECIFICATIONS

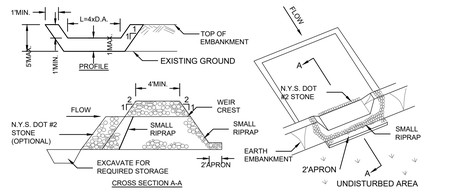
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 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



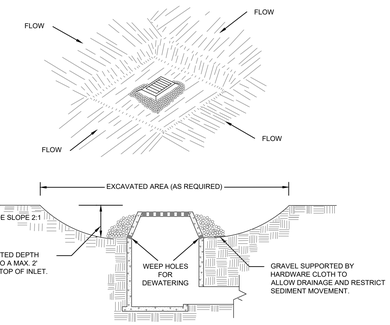
OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP INPLACE OF THE EMBEDDED FILTER CLOTH.

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

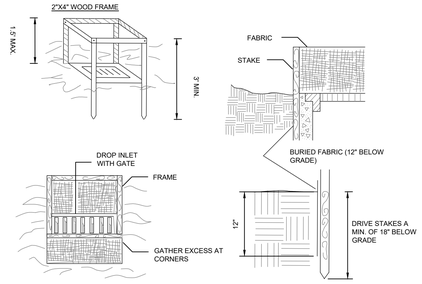


CONSTRUCTION SPECIFICATIONS

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

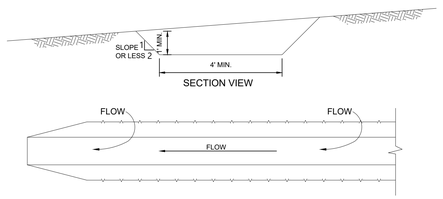


CONSTRUCTION SPECIFICATIONS

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



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.

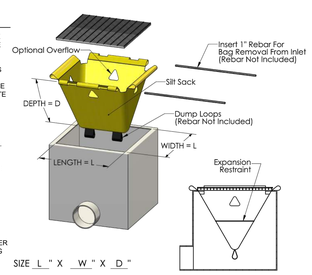
FLOW CHANNEL STABILIZATION

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

Silt Sack - Type A

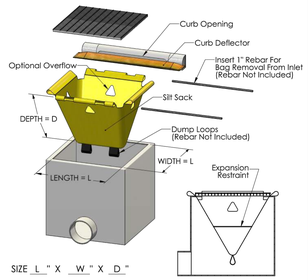


SIZE L " X W " X D "

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CORRECT SIZE DEVICE FOR EACH INLET.
2. FOR NON-STANDARD CATCH BASINS AND INLETS, THE CONTRACTOR SHALL MEASURE DIMENSIONS IN THE FIELD AND ORDER THE APPROPRIATE SIZE(S).
3. THE INLET SEDIMENT CONTROL DEVICE SHALL BE OF HIGH LOW DESIGN AS PER THE MANUFACTURER'S SPECIFICATIONS.
4. THE SEDIMENT CONTROL DEVICE SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED A MINIMUM ONCE PER MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT. FILTER SHALL BE CLEANED IN A MANNER WHICH ENSURES THAT ALL SEDIMENT REMAINS ON SITE.
5. SUBSTITUTION OF A SHEET OF FILTER FABRIC PLACED OVER THE OPENING OF THE INLET IS NOT APPROVED.
6. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER INLET SACK TO BE DETERMINED BY THE MANUFACTURER.
7. THE FILTER SHALL BE REPLACED OR CLEANED WHEN THE BAG BECOMES HALF FULL.

Silt Sack - Type B



SIZE L " X W " X D "

SILT SACK INLET PROTECTION

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

NO.	DATE	BY
4	07/28/2022	KH
	ZBA SUBMISSION	
3	05/13/2022	KH
	SITE PLAN REVISIONS	
2	04/14/2022	KH
	SITE PLAN SUBMISSION	
1	03/29/2022	KH
	50% DDs	
	REVISIONS	

NOT FOR CONSTRUCTION

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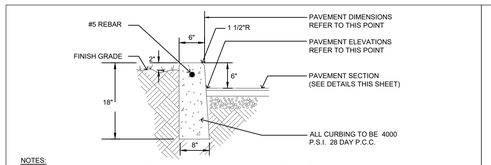
DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

EROSION AND SEDIMENT CONTRL DETAILS

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

SHEET NUMBER
C-6.2



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

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.
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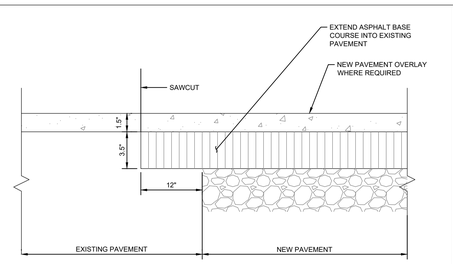
6. THE ELEVATION OF THE TOP OF CURB OR FLOW LINE OF GUTTER SHALL NOT VARY MORE THAN 0.02 FT. FROM THE TRUE ELEVATION LAID OUT IN THE FIELD BY THE ENGINEER.

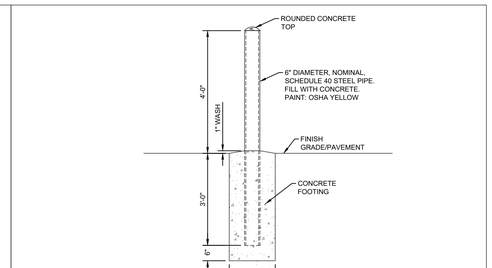
FLUSH CONCRETE CURB

N.T.S. SOURCE: KIMLEY-HORN



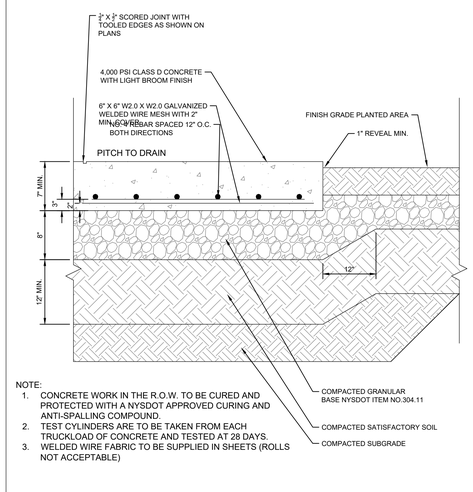
SAWCUT PAVEMENT KEY-IN

N.T.S. SOURCE: KIMLEY-HORN



6" BOLLARD DETAIL

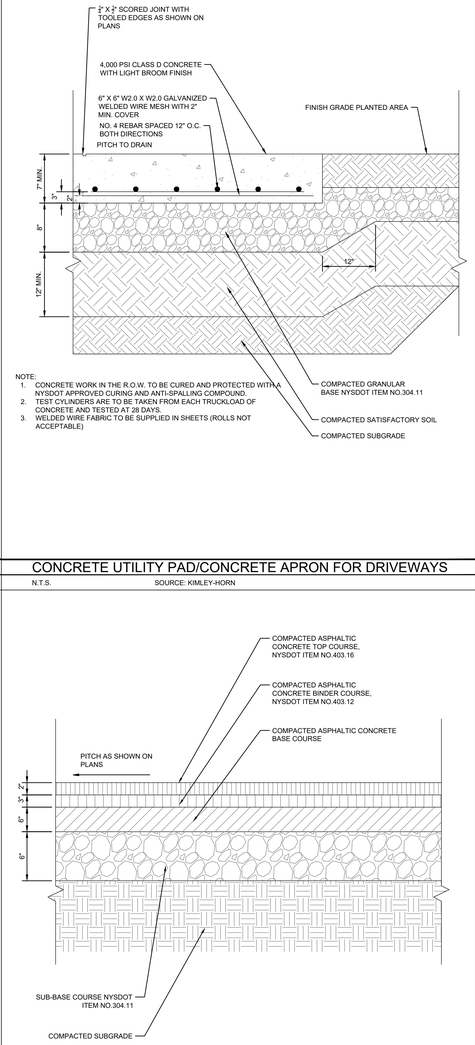
N.T.S. SOURCE: KIMLEY-HORN



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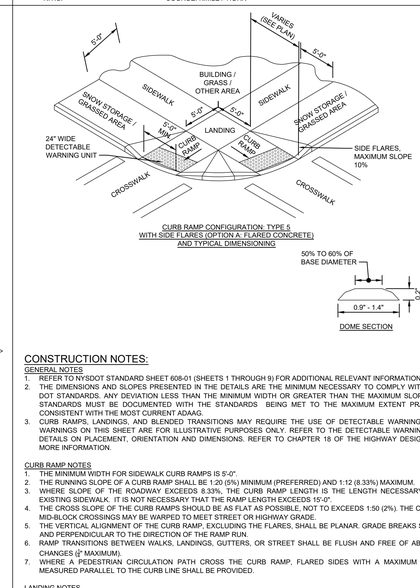
2. TEST CYLINDERS ARE TO BE TAKEN FROM EACH TRUCKLOAD OF CONCRETE AND TESTED AT 28 DAYS.
3. WELDED WIRE FABRIC TO BE SUPPLIED IN SHEETS (ROLLS NOT ACCEPTABLE)

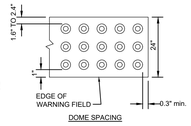
CONCRETE UTILITY PAD/CONCRETE APRON FOR DRIVEWAYS

N.T.S. SOURCE: KIMLEY-HORN

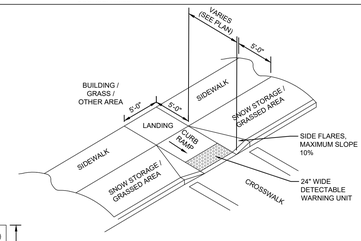


CURB RAMP CONFIGURATION: TYPE 5
WITH SIDE FLARES (OPTION A: FLARED CONCRETE)
AND TYPICAL DIMENSIONING

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.

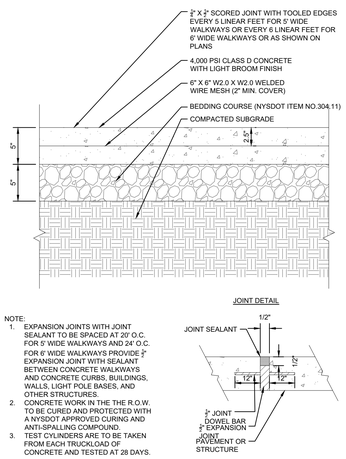
DOME ALIGNMENT
1. THE ROW OF DOMES SHALL BE BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE CURB RAMP LANDING OR THE CURB RAMP OR THE FLUSH SURFACE AND THE STREET.
2. WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES 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 0" 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.

CONCRETE PAVEMENT (SIDEWALK)

N.T.S. SOURCE: KIMLEY-HORN



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 ¾" 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.

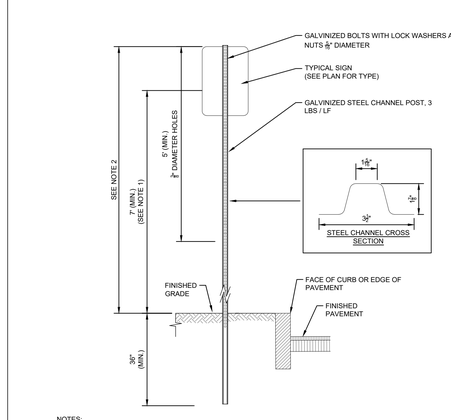
JOINT DETAIL

HEAVY DUTY AND STANDARD DUTY ASPHALT PAVEMENT

N.T.S. SOURCE: KIMLEY-HORN

TRAFFIC SIGN POST

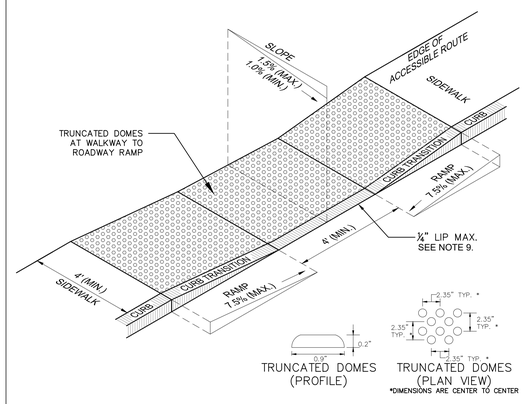
N.T.S. SOURCE: KIMLEY-HORN



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.

ACCESSIBLE CURB RAMP TYPE A

N.T.S. SOURCE: KIMLEY-HORN



Notes:
1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMPS SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMPS SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E., HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB, AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
9. ELIMINATE CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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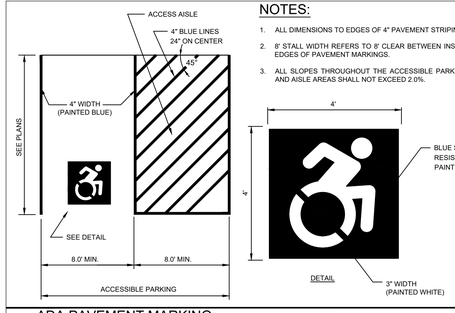
DATABANK

KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

SITE DETAILS

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

SHEET NUMBER
C-7.0



NOTES:

1. ALL DIMENSIONS TO EDGES OF 4" PAVEMENT STRIPING.
2. 8' STALL WIDTH REFERS TO 8' CLEAR BETWEEN INSIDE EDGES OF PAVEMENT MARKINGS.
3. ALL SLOPES THROUGHOUT THE ACCESSIBLE PARKING AND AISLE AREAS SHALL NOT EXCEED 2.0%.

ADA PAVEMENT MARKING

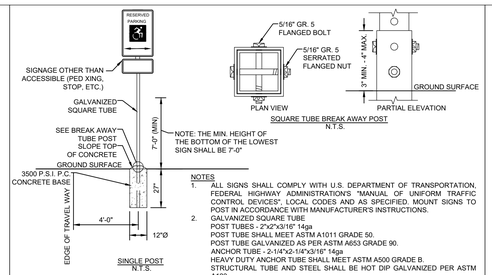
N.T.S. SOURCE: KHA

STOP BAR MARKING

TRAFFIC LANE
DIRECTIONAL ARROW

PAVEMENT MARKINGS

N.T.S. SOURCE: KHA



SQUARE TUBE BREAK AWAY POST
N.T.S.

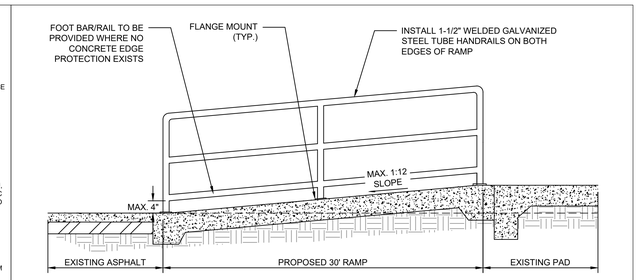
SINGLE POST
N.T.S.

NOTES

1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE
   POST TUBES - 2"x2"x3/16" 14ga
   POST TUBE SHALL MEET ASTM A1011 GRADE 50.
   POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.
   ANCHOR TUBE - 2-1/4"x2-1/4"x3/16" 14ga
   HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B.
   STRUCTURAL TUBE AND STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123.
   THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE A MINIMUM OF 12". THE ANCHOR TUBE SHALL BE A MINIMUM 27" DEEP WITH 3" MIN. 4" MAX. EXPOSED ABOVE FINISH GRADE.

SIGN MOUNTING AND BASE

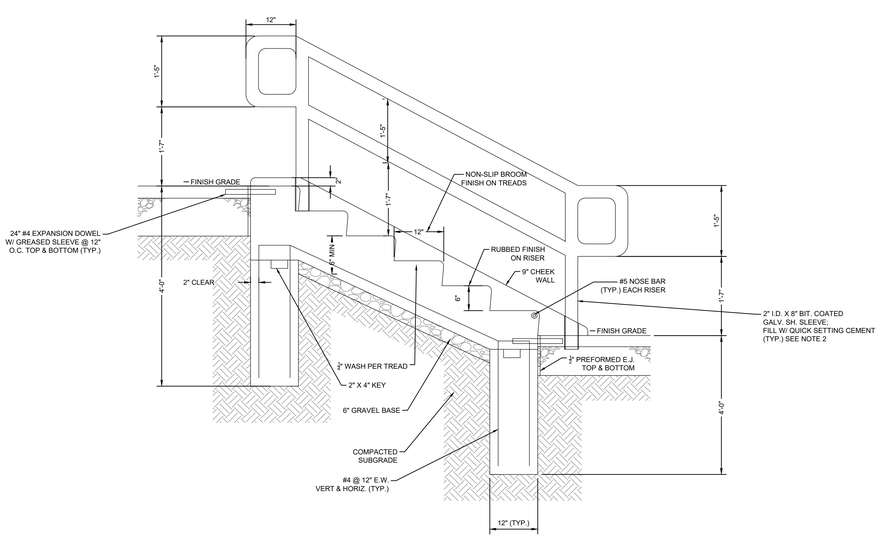
N.T.S. SOURCE: KHA



NOTES:
1. TOP RAIL OF HANDRAILS SHALL BE A MINIMUM OF 38" ABOVE SURFACE OF RAMP.

CONCRETE RAMP WITH HANDRAILS

N.T.S. SOURCE: KIMLEY-HORN

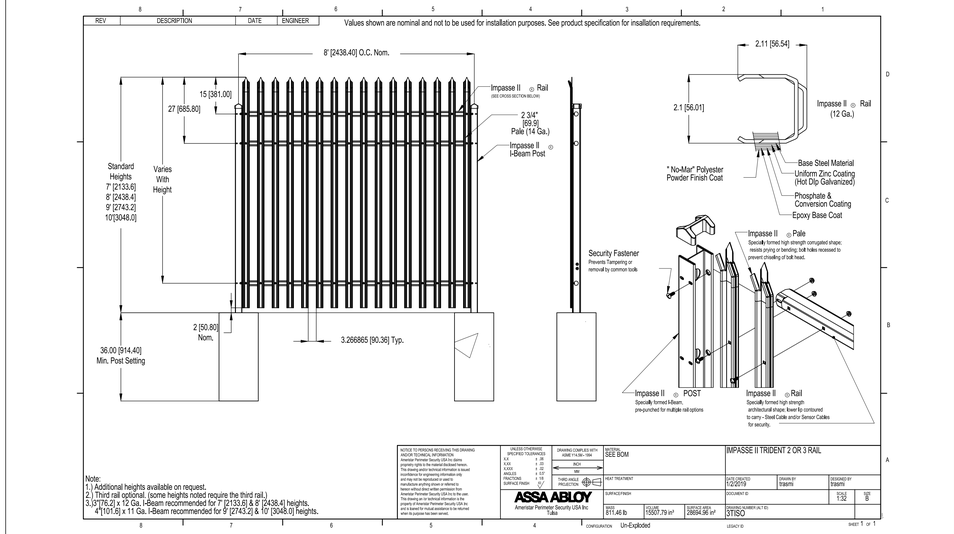


NOTES:

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.

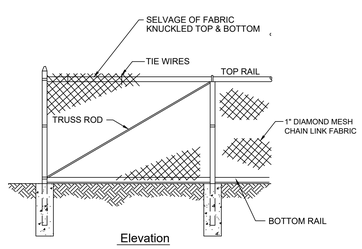
CONCRETE STAIRWELL WITH HANDRAIL

N.T.S. SOURCE: KIMLEY-HORN

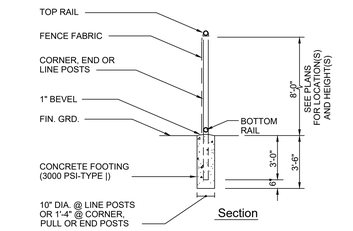


8' HIGH ORNAMENTAL SECURITY FENCE

N.T.S. SOURCE: AMERISTAR FENCE



Elevation



Section

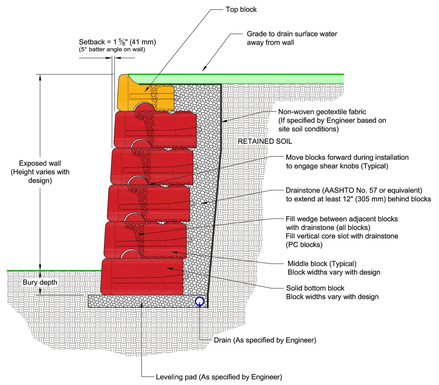
Notes:

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

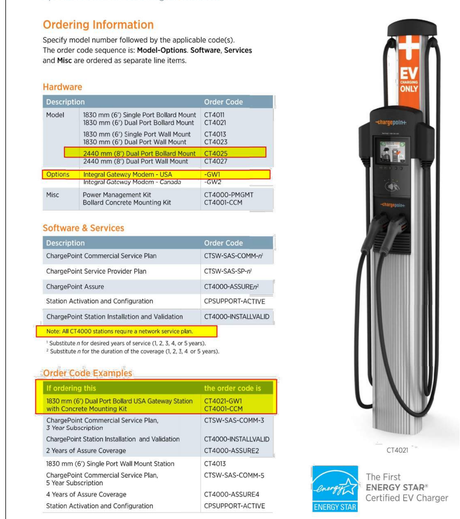
Typical Gravity Wall Section



This drawing is for reference only. Determination of the suitability and/or manner of use of any details containec in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site.

TYPICAL GRAVITY WALL DETAIL

N.T.S. SOURCE: REDI-ROCK



EV CHARGING STATION DETAIL

N.T.S. SOURCE: CHARGE POINT

EV CHARGING STATION DETAIL

N.T.S. SOURCE: CHARGE POINT

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4	ZBA SUBMISSION	07/28/2022	KH
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1	50% DDs	03/29/2022	KH

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2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
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4	ZBA SUBMISSION	07/28/2022	KH
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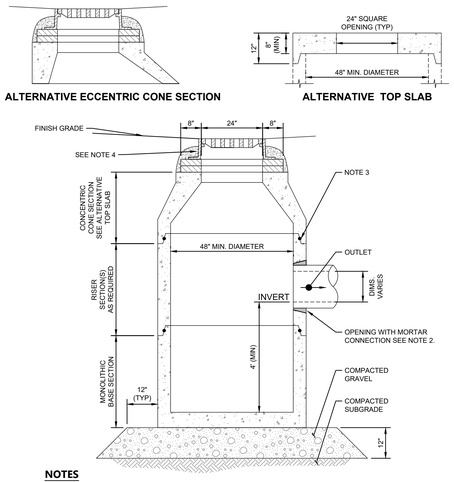
DATABANK ORANGEBURG
2000 CORPORATE DRIVE
ORANGEBURG, NY 10962
TOWN OF ORANGEBURG NEW YORK

SHEET NUMBER
C-7.2

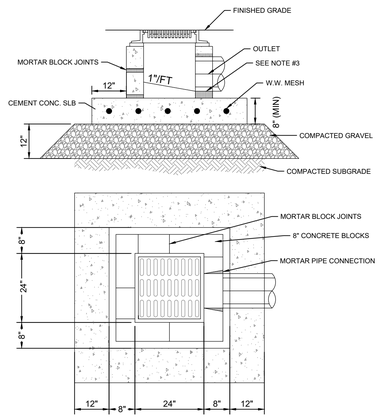


NOTES

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

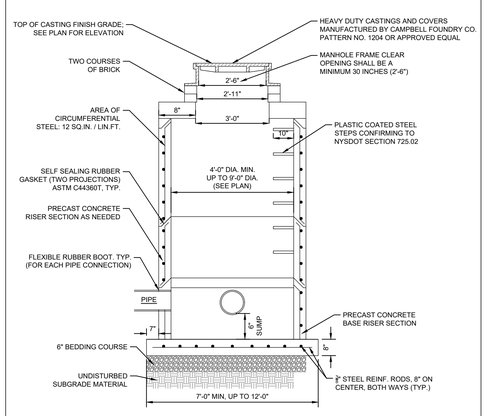


NOTES:

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



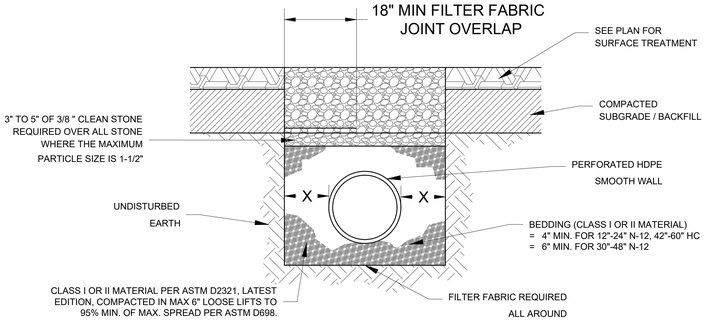
NOTES:

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

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



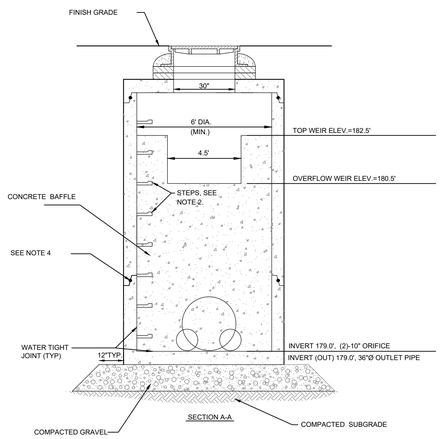
NOTES:

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.

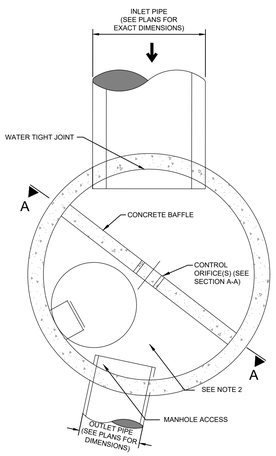
PERFORATED HDPE PIPE/FRENCH DRAIN SECTION

N.T.S. SOURCE: KIMLEY-HORN



OUTLET CONTROL STRUCTURE (OCS-XX)

N.T.S. SOURCE: KIMLEY-HORN

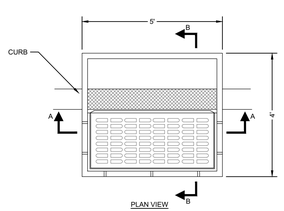


NOTES:

1. ALL SECTIONS 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. PROVIDE "V" KNOCKOUTS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
5. DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM.)

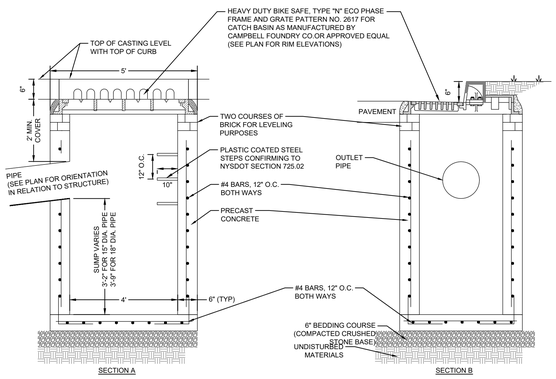
CATCH BASIN CURB TYPE (CB), TYPE 1

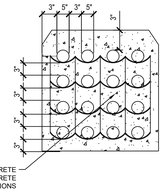
N.T.S. SOURCE: KIMLEY-HORN



NOTES:

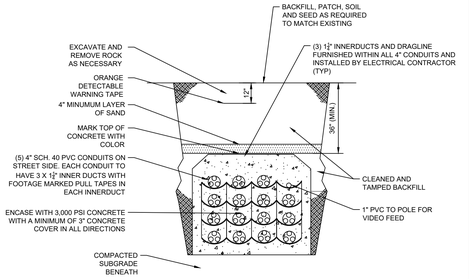
1. ALL STRUCTURES AND CASTINGS TO SUPPORT H-20 LOADING.
2. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
3. EXTERIOR SURFACE TO BE MORTAR PARGED FOR BLOCK CONSTRUCTION. 1/4" SCRATCH COAT, AND 1/4" FINISH COAT.
4. HEAVY DUTY BICYCLE TYPE GRATE - CAMPBELL FOUNDRY No. 2617 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.





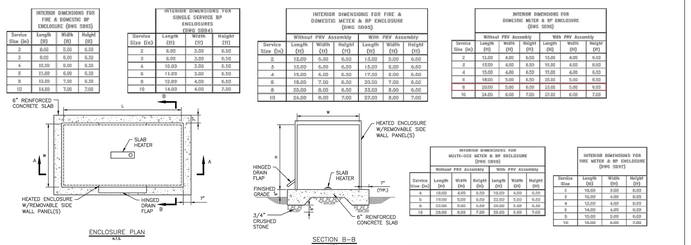
TYPICAL DUCTBANK CONDUIT SPACING

N.T.S. SOURCE: KIMLEY-HORN



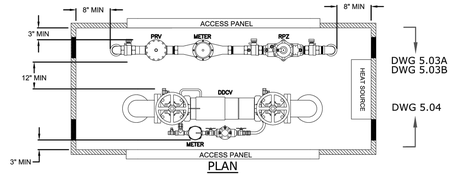
DUCTBANK TRENCH DETAIL

N.T.S. SOURCE: KIMLEY-HORN



HEATED ENCLOSURE

N.T.S. SOURCE: AMERICAN WATER

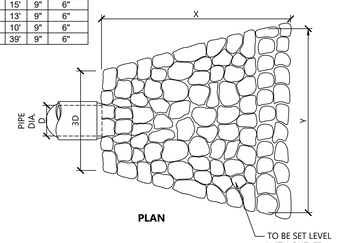


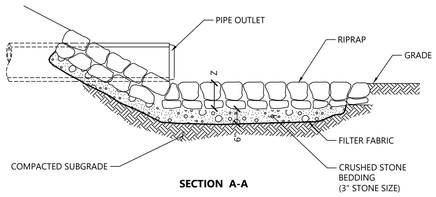
NOTE:
1. FOR SECTION DIMENSIONS AND NOTES FOR DOMESTIC SERVICE, SEE DWR 5.03A and DWR 5.03B
2. FOR SECTION DIMENSIONS AND NOTES FOR FIRE SERVICE, SEE DWR 5.04

DOMESTIC AND FIRE SERVICE ABOVE GROUND HEATED STRUCTURE

N.T.S. SOURCE: SUEZ WATER WESTCHESTER DIVISION

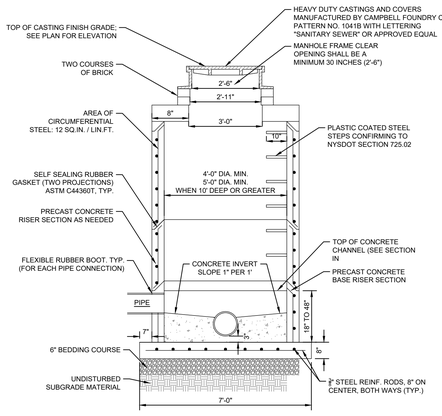
OUTLET NO.	3D	X	Y	Z	STONE DIA. (D_{50})
1A	6'	18'	14'	9"	6"
1B	6'	16'	13'	9"	6"
1C	9'	6'	12'	9"	6"
1D	9'	13'	15'	9"	6"
1E	6'	17'	13'	9"	6"
1F	6'	12'	10'	9"	6"
1G	9'	30'	39'	9"	6"





RIPRAP PROTECTION

N.T.S. SOURCE: LD_B4



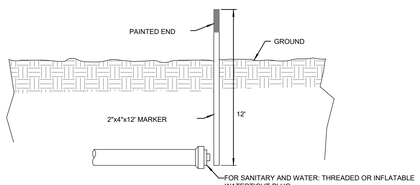
NOTES:
1. ALL STRUCTURES AND CASTINGS TO SUPPORT H-20 LOADING.
2. CONTRACTOR SHALL SUBMIT SITE-SPECIFIC FABRICATION SHOP DRAWINGS FOR APPROVAL.
3. AS MANUFACTURED BY OLD CASTLE OR APPROVED EQUAL

SANITARY SEWER MANHOLE

N.T.S. SOURCE: KIMLEY-HORN

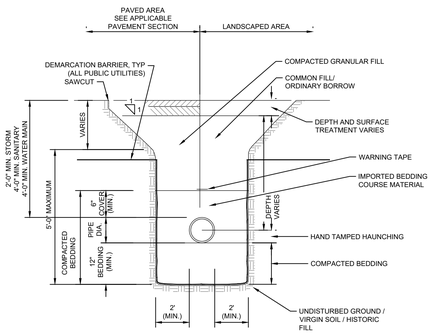
NOTES:

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.



CAPPING OF 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

NO.	DATE	BY
4	07/28/2022	KH
3	05/13/2022	KH
2	04/14/2022	KH
1	03/29/2022	KH
	ZBA SUBMISSION	
	SITE PLAN REVISIONS	
	SITE PLAN SUBMISSION	
	50% DDs	
	REVISIONS	

NOT FOR CONSTRUCTION

Kimley»Horn
© 2022 KIMLEY-HORN ENGINEERING AND LANDSCAPE ARCHITECTURE OF NEW YORK, P.C.
11 NORTH LEXINGTON AVENUE, SUITE 505
WHITE PLAINS, NY 10601
PHONE: 914-368-8200
WWW.KIMLEY-HORN.COM

DATABANK

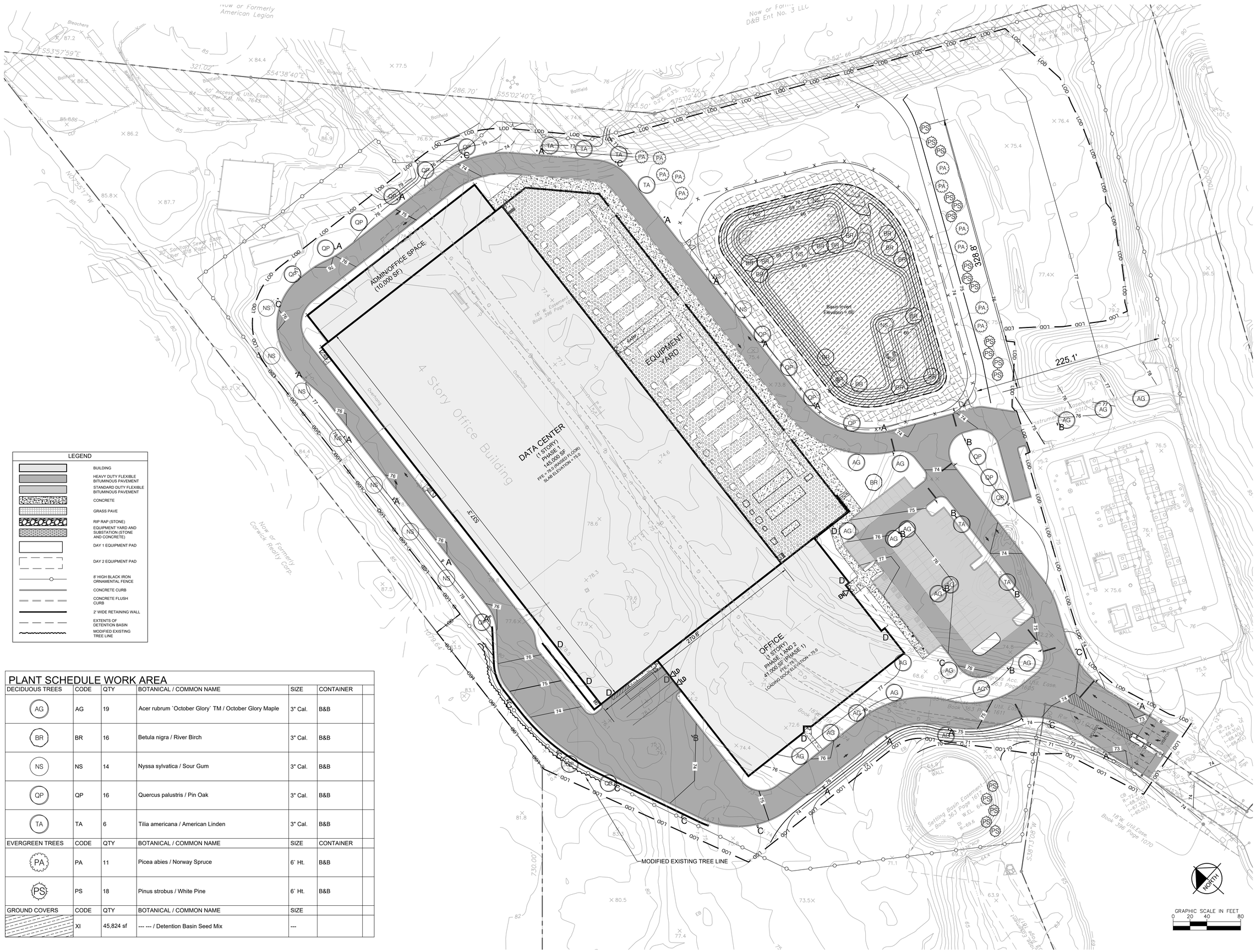
KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

SITE DETAILS

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

SHEET NUMBER
C-7.3

k:\whp_civil\112117011_orangeburg databank_orangeburg, ny\7. civil\2. cad\plansheets\interim zoning plans\LA-1.0 LANDSCAPING PLAN.dwg



LEGEND

- BUILDING
- HEAVY DUTY FLEXIBLE BITUMINOUS PAVEMENT
- STANDARD DUTY FLEXIBLE BITUMINOUS PAVEMENT
- CONCRETE
- GRASS PAVE
- RIP RAP (STONE)
- EQUIPMENT YARD AND SUBSTATION (STONE AND CONCRETE)
- DAY 1 EQUIPMENT PAD
- DAY 2 EQUIPMENT PAD
- 8' HIGH BLACK IRON ORNAMENTAL FENCE
- CONCRETE CURB
- CONCRETE FLUSH CURB
- 2' WIDE RETAINING WALL
- EXTENTS OF DETENTION BASIN
- MODIFIED EXISTING TREE LINE

PLANT SCHEDULE WORK AREA

DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER
AG	AG	19	Acer rubrum `October Glory` TM / October Glory Maple	3" Cal.	B&B
BR	BR	16	Betula nigra / River Birch	3" Cal.	B&B
NS	NS	14	Nyssa sylvatica / Sour Gum	3" Cal.	B&B
QP	QP	16	Quercus palustris / Pin Oak	3" Cal.	B&B
TA	TA	6	Tilia americana / American Linden	3" Cal.	B&B
EVERGREEN TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**CONTAINER**
PA	PA	11	Picea abies / Norway Spruce	6` Ht.	B&B
PS	PS	18	Pinus strobus / White Pine	6` Ht.	B&B
GROUND COVERS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	
XI	XI	45,824 sf	--- --- / Detention Basin Seed Mix	---	

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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LANDSCAPE PLAN

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

SHEET NUMBER
LA-1.0

LANDSCAPE NOTES:

1. THE LANDSCAPE SUBCONTRACTOR SHALL CERTIFY THAT THE TOPSOIL PROPOSED FOR PLANTING HAS NOT BEEN TREATED WITH PLANT GROWTH OR SEED GERMINATION INHIBITORS WITHIN THE PERIOD OF THE IMMEDIATE OR RESIDUAL EFFECTIVE LIFE OF THE INHIBITORS.
   a. TESTS AS REQUIRED TO PROVIDE THIS CERTIFICATION SHALL BE PAID FOR BY THE CONTRACTOR OR LANDSCAPE SUBCONTRACTOR.
   b. THE CERTIFICATION SHALL INCLUDE THE SOURCE OF THE TOPSOIL AND THAT THE MATERIAL DOES NOT CONTAIN RECYCLED MANMADE MATERIALS.

2. TOPSOIL: TOPSOIL SHALL BE FERTILE, LOOSE, FRIABLE SOIL MEETING FOLLOWING CRITERIA:
   a. ANY IMPORTED TOPSOIL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR QUALITY AND USE.
   b. GRADATION/TEXTURE AS DEFINED BY USDA TRIANGLE OF PHYSICAL CHARACTERISTICS AS MEASURED BY HYDROMETER:
      SAND- 15 TO 60 PERCENT
      SILT- 10 TO 60 PERCENT
      CLAY- 0 TO 20 PERCENT
   c. STRUCTURE- GRANULAR, CRUMB OR FINE SUBANGULAR BLOCKY
   d. SIZE- ONE HUNDRED PERCENT BY WEIGHT SHALL PASS A 1" OPENING AND A 97 TO 100 PERCENT SHALL PASS A ¾ SIEVE, THERE SHALL NOT BE LESS THAN
      20 PERCENT OR MORE THAN 65 PERCENT PASSING A NO. 200 MESH SIEVE AS DETERMINED BY A WASH TEST MADE IN ACCURACIES WITH THE STANDARD TEST ASTM D1140. ALL TOPSOIL SHALL BE OF GOOD RICH, UNIFORM GRADE, WITHOUT ADMIXTURE OF SUBSOIL MATERIAL
   e. ACIDITY / ALKALINITY RANGE - PH 5.8 TO 7.0
   f. SOLUBLE SALTS - LESS THAN 200 PPM
   g. SODIUM ABSORPTION RATIO (SAR) - LESS THAN 3.0
   h. ORGANIC MATTER- 1.5%-4% BY WEIGHT, 10%-20% BY VOLUME
   i. DRAINAGE- WELL DRAINED TO MODERATELY WELL DRAINED
   j. NUTRIENT CONTENT- NORMAL CONTENTS OF NITROGEN, PHOSPHORUS AND POTASSIUM; NO SEVERELY LIMITED NUTRIENTS OR MICRONUTRIENT; NO NUTRIENT OR MICRONUTRIENT IMBALANCE.
   k. CONTAMINANTS- CLEAN AND FREE FROM TOXIC MINERALS AND CHEMICALS, AND NOXIOUS WEEDS, AND OTHER OBJECTIONABLE MATERIALS. NO CONSTRUCTION DEBRIS OR MANMADE RECYCLED MATERIALS.

3. TOPSOIL AMENDMENT (LAWN AND PLANTING AREAS): INCORPORATE INTO THE EXISTING OR IMPORTED TOPSOIL AS RECOMMENDED BY THE LANDSCAPE ARCHITECT AND/OR REQUIRED TO REMEDY ANY DEFICIENCIES SHOWN IN SOIL TESTS ANY OF THE FOLLOWING AMENDMENTS TO MEET THE STANDARDS AS SPECIFIED FOR NEW TOPSOIL WITH SPECIFIED RANGES OF PH AS FOLLOWS:
   GENERAL PLANTING: 5.8- 7.0
   LAWNS: 5.8- 6.3
   ERICACEOUS PLANTING: 4.5-5.5

   ACCEPTABLE AMENDMENTS:
   a. COMMERCIAL FERTILIZER: COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER, CONSISTING OF FAST- AND SLOW-RELEASE NITROGEN,
      50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES.
   b. SLOW-RELEASE FERTILIZER: GRANULAR FERTILIZER CONSISTING OF 50 PERCENT FROM INSOLUBLE NITROGEN, PHOSPHORUS AND POTASSIUM.
   c. LIME: GROUND DOLOMITE LIMESTONE; 95 PERCENT PASSING THROUGH A 100-MESH SIEVE.
   d. ALUMINUM SULFATE: COMMERCIAL GRADE, UNADULTERATED.
   e. SUPER PHOSPHATE: FINELY GROUND PHOSPHATE ROCK AS COMMONLY USED FOR AGRICULTURAL PURPOSES; CONTAINING NOT LESS THAN 18 PERCENT AVAILABLE PHOSPHORIC ACID.
   f. BONE MEAL: COMMERCIAL RAW BONE MEAL, FINELY GROUND, MINIMUM ANALYSIS OF 1PERCENT NITROGEN AND 18 PERCENT PHOSPHORIC ACID.
   g. SAND: ASTM C 33; FINE AGGREGATE.

4. AMENDED SOIL: FOR USE IN RAIN GARDENS AND GRASS SWALE AREAS. THIS SOIL MATERIAL SHALL BE A UNIFORM MIX OF TOPSOIL, SAND, AND LEAF COMPOST MATERIAL MEETING THE FOLLOWING MATERIAL SPECIFICATIONS:
   20%-30% TOPSOIL WITH <5% CLAY CONTENT
   50% SAND
   20%-30% LEAF COMPOST
   GRADATION/TEXTURE AS DEFINED BY USDA TRIANGLE OF PHYSICAL CHARACTERISTICS AS MEASURED BY HYDROMETER.

5. BIORETENTION PLANTING I FILTER MEDIA: FOR USE IN STORMWATER BIORETENTION FILTERS. THE SOIL SHALL BE A UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS OR OTHER SIMILAR OBJECTS LARGER THAN 2 INCHES. THE PLANTING I FILTER MEDIA MATERIAL SHALL BE TESTED (1 TEST/PER 100 CY) AND SHALL MEET THE FOLLOWING CRITERIA:
   PH RANGE: 5.8- 7.0
   ORGANIC MATTER: 1.5-4%
   MAGNESIUM: 35 LB./AC. PHOSPHOROUS P205 75 LB./AC.
   POTASSIUM K20 85 LB./AC.
   SOLUBLE SALTS NOT TO EXCEED 500 PPM
   REFER ALSO TO THE PLANTING SOIL MATERIAL SPECIFICATIONS CONTAINED IN THE NYS STORMWATER MANAGEMENT DESIGN MANUAL DATED AUGUST 2010 OR LATEST REVISION THERETO.

6. DRAINAGE COURSE: AGGREGATE LAYER SUPPORTING THE COLLECTION AND TRANSPORTING OF WATER. THE MATERIAL IS TO BE INSTALLED AS DETAILED ON THE DRAWINGS, ABOVE THE PREPARED SUBGRADE IN STORMWATER BIORETENTION FILTER AREAS AND/OR ABOVE THE SUBGRADE MATERIAL IN RAIN GARDENS. NARROWLY GRADED MIXTURE OF WASHED CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL; ASTM D 448; COARSE-AGGREGATE GRADING AASHTO SIZE 57; WITH 100 PERCENT PASSING A 1-1/2-INCH SIEVE AND 0 TO 5 PERCENT PASSING A NO.8 SIEVE.

7. SUBBASE: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND; NYSDOT TYPE 1SUBBASE COURSE, ITEM 304.11. RECYCLED MATERIAL (BUILDING AND ROAD DEMOLITION MATERIAL AND RECYCLED MATERIAL CONSISTING OF BRICK, CEMENT CONCRETE, OR OTHER MATERIALS) MAY NOT BE USED.

8. IMPORTED TOPSOIL- A SAMPLE OF IMPORTED TOPSOIL FROM THE SOURCE PROPOSED FOR USE SHALL BE TESTED AND THE RESULTS AND RECOMMENDATIONS FROM TESTING COPIED TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. IMPORTED TOPSOIL SHALL BE TESTED FOR FERTILITY AND AGRICULTURAL SUITABILITY BY A LABORATORY SUCH AS RUTGERS SOIL TESTING LABORATORY'S TOPSOIL EVALUATION TEST OR OTHER TESTING LABORATORY APPROVED BY THE LANDSCAPE ARCHITECT AND STATE:

   a. IMPORTED TOPSOIL SHALL MEET MINIMUM SPECIFIED REQUIREMENTS AS SET FORTH IN PART 2 OF THIS SECTION AND BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY TO THE SITE.
   b. PERFORM A MINIMUM OF ONE (1) TOPSOIL TEST FOR EVERY 100 CY OF IMPORTED TOPSOIL MATERIAL PRIOR TO PLACEMENT OF THE MATERIAL IN THE FIELD.
   c. EACH ANALYSIS SHALL BE ACCOMPANIED BY THE TESTING AGENCY'S RECOMMENDATIONS FOR QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND ANY LIMESTONE, ALUMINUM SULFATE, OR OTHER SOIL AMENDMENTS TO BE ADDED TO PRODUCE A SATISFACTORY TOPSOIL AMENDMENT FOR EACH TYPE OF PLANTING MATERIAL.
   d. SUBMIT REPORT STATING NAME AND LOCATION OF SOURCE OF IMPORTED TOPSOIL AND ACCOUNT OF RECENT USE.
   e. THE COST OF THE TESTING SHALL BE PAID FOR BY THE OWNER.

9. UPON DELIVERY TO THE SITE AND PRIOR TO PLANTING, ALL PLANT MATERIALS SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE FOR SIZE, VARIETY, CONDITION, DEFECTS OR INJURY.

10. ALL REJECTED PLANT MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE PLANT MATERIALS.

11. REQUESTS FOR SUBSTITUTIONS (INCLUDING PLANTS NOT AVAILABLE) FOR SPECIFIED PLANT MATERIALS WILL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT. LANDSCAPE SUBCONTRACTOR SHALL REQUEST ALL LANDSCAPING MATERIAL SUBSTITUTIONS IN WRITING.

12. DELIVER SOD, PLANTS, TREES, AND SHRUBS IN HEALTHY AND VIGOROUS CONDITION AND STORE IN LOCATION ON SITE WHERE THEY WILL NOT BE ENDANGERED AND WHERE THEY CAN BE ADEQUATELY WATERED AND KEPT IN HEALTHY AND VIGOROUS CONDITION.

13. DO NOT PLANT TREES AND SHRUBS UNTIL MAJOR CONSTRUCTION OPERATIONS ARE COMPLETED AND APPROVED BY THE OWNER.

14. COORDINATE INSTALLATION OF PLANTING MATERIALS DURING NORMAL PLANTING SEASONS FOR EACH TYPE OF PLANT MATERIAL REQUIRED. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED PRACTICE.

15. BEFORE PROCEEDING WITH WORK, VERIFY DIMENSIONS AND QUANTITIES. REPORT VARIATIONS BETWEEN THE DRAWINGS AND SITE CONDITIONS IMMEDIATELY TO THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH LANDSCAPE WORK. PLANT TOTALS ARE FOR CONVENIENCE OF CONTRACTOR ONLY AND ARE NOT GUARANTEED. VERIFY AMOUNTS SHOWN ON DRAWINGS.

16. MACHINE AND HAND EXCAVATE AS REQUIRED TO PREPARE PLANTING AREAS. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL OR ADVERSE DRAINAGE CONDITIONS, NOTIFY LANDSCAPE ARCHITECT BEFORE PLANTING.

17. PLANTS SHALL CONFORM TO REQUIREMENTS OF PLANT LIST AND KEY AS SHOWN ON CONTRACT DOCUMENTS; BE NURSERY GROWN; CONFORM TO THE RELATIONSHIP OF CALIPER, HEIGHT AND ROOT BALL SIZE PER ANSI Z60.1 STANDARD; BE HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT; BE TYPICAL OF THEIR SPECIES OR VARIETY, WITH A NORMAL HABIT OF GROWTH; BE SOUND, HEALTHY AND VIGOROUS; BE UNIFORMLY AND WELL BRANCHED, FREE OF LARGE VOIDS, AND DENSELY FOLIATED WHEN IN LEAF; BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE; AND HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS. THE TRUNK AND MAIN BRANCHES SHALL BE FREE OF WOUNDS AND DAMAGED AREAS. TREES WITH BARK INCLUDED WITHIN MAJOR BRANCH UNIONS WILL NOT BE ACCEPTED. TREES WITH ROOT BALLS THAT HAVE BOUND OR GIRDLED ROOTS SHALL BE REJECTED.
   a. "NURSERY-GROWN" SHALL MEAN GROWN IN THE NURSERY FROM LINERS OR COLLECTED AND THEN GROWN IN A NURSERY NOT LESS THAN 2 YEARS.
   b. "HEALTHY, VIGOROUS CONDITION SHALL MEAN LIVE FOLIAGE OUT TO THE TIPS OF ALL BRANCHES AND STEMS, AND A TRUNK CALIPER THAT IS BIGGER,
      ONE YEAR AFTER PLANTING, THAN AT PLANTING.

12. PROVIDE COPIES OF MATERIAL CERTIFICATES SIGNED BY THE SUPPLIER CERTIFYING THAT THE SEED MIXES COMPLY WITH SPECIFIED REQUIREMENTS. THE CERTIFICATE SHALL IDENTIFY BOTANICAL AND COMMON NAMES, PERCENT BY WEIGHT OF EACH SPECIES AND VARIETY, AND PERCENT OF PURITY, GERMINATION AND WEED SEED.

13. LANDSCAPE SUBCONTRACTOR TO COORDINATE WITH LANDSCAPE ARCHITECT TO VISIT HORTICULTURAL NURSERIES PROPOSED TO SUPPLY PLANT MATERIAL FOR INSTALLATION AT PROJECT SITE WHERE THE LANDSCAPE ARCHITECT MAY VIEW THE QUALITY OF THE PLANTING MATERIAL AND STORAGE/HOLDING CONDITIONS. DURING THE NURSERY INSPECTION, THE LANDSCAPE ARCHITECT MAY FLAG, TAG OR PHOTOGRAPH SAMPLE THE SELECTED PLANT MATERIAL FOR INSTALLATION AT THE PROJECT SITE, LANDSCAPE ARCHITECT SHALL BE GIVEN A MINIMUM OF THREE (3) DAYS ADVANCED NOTICE OF PLANT DELIVERY TO SITE.

14. ALL REJECTED PLANT MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE PLANT MATERIALS AT NO ADDITIONAL COST TO THE OWNER. REPLACE DAMAGED PLANTINGS AT NO ADDITIONAL COST TO OWNER.

15. THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TWO (2) COPIES OF WRITTEN INSTRUCTIONS RECOMMENDING PROCEDURES TO BE ESTABLISHED BY THE OWNER FOR THE MAINTENANCE OF THE LANDSCAPE WORK FOR ONE (1) FULL YEAR.

16. UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT, DECIDUOUS MATERIAL SHALL BE PLANTED FROM MARCH 1TO MAY 1AND FROM OCTOBER 15 TO DECEMBER 15AND EVERGREEN MATERIAL SHALL BE PLANTED FROM APRIL 1TO MAY 15 AND FROM SEPTEMBER 1TO NOVEMBER 1.

17. WATERING SCHEDULE: LANDSCAPE SUBCONTRACTOR SHALL SUBMIT TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL A SCHEDULE AND METHODOLOGY FOR WATERING PLANTS DURING THE ONE (1) YEAR MAINTENANCE SCHEDULE.

18. MAINTAIN, WATER, AND PROTECT PLANTINGS UNTIL FINAL ACCEPTANCE BY OWNER.

19. ALL PLANT MATERIALS SHALL BE WATERED IMMEDIATELY UPON PLANTING AND THEN WATERED, FERTILIZED, PRUNED, WEEDED, AND MAINTAINED AS REQUIRED TO KEEP PLANT MATERIAL IN A HEALTHY, VIGOROUS CONDITION.

20. GUARANTEE TREES, SHRUBS, GROUNDCOVER AND OTHER PLANTED MATERIAL AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE PLANTED MATERIAL, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE LANDSCAPE SUBCONTRACTOR'S CONTROL FINAL DECISIONS REGARDING REPLACEMENT OF PLANTED MATERIAL SHALL BE MADE BY THE LANDSCAPE ARCHITECT. THE LANDSCAPE SUBCONTRACTOR, IF NOT MAINTAINING THE PROPERTY DURING THE GUARANTEE PERIOD SHALL BE RESPONSIBLE FOR MAKING MONTHLY INSPECTIONS AND ISSUING WRITTEN REPORTS TO THE OWNER DETAILING ANY MAINTENANCE PRACTICES HE OBSERVES WHICH WOULD IN ANY WAY NEGATE HIS GUARANTEE OBLIGATION SO THAT CORRECTIVE MEASURES MAY BE TAKEN.

21. REPLACEMENT PLANTS UNDER THIS GUARANTEE SHALL BE GUARANTEED FOR ONE (1) FULL GROWING SEASON FROM DATE OF INSTALLATION. PLANT MATERIAL REPLACEMENT, IF REQUIRED, DURING THE GUARANTEE PERIOD.

22. ALL PLANT MATERIAL REQUIRED UNDER THIS CONTRACT, DEEMED BY THE LANDSCAPE ARCHITECT TO BE UNSIGHTLY, UNHEALTHY, OR EXCESSIVELY PRUNED, DURING AND AT THE END OF THE GUARANTEE PERIOD, SHALL BE REPLACED OR ADDED AS SOON AS CONDITIONS PERMIT.

23. PROVIDE ALL EQUIPMENT AND MEANS FOR PROPER APPLICATION OF WATER TO INSTALLED PLANT MATERIAL FOR THE DURATION OF THE MAINTENANCE PERIOD.

24. ALL SEEDED AREAS MUST HAVE 100% COVER OF SEEDED FORBS OR GRASSES AT END OF FIRST FULL GROWING SEASON.

25. MULCH
   a. SEEDED AREAS- STALKS OF OATS, WHEAT, RYE OR OTHER APPROVED CROPS FREE FROM SEED OR NOXIOUS WEEDS.
   b. PLANT BEDS AND TREE PITS -100% DOUBLE SHREDDED HARDWOOD BARK MULCH WITH FIBROUS TEXTURE, NATURAL (NO DYE) COLOR.
   c. BIORETENTION FILTER AREAS -100% SHREDDED HARDWOOD MULCH AGED SIX (6) TO TWELVE (12) MONTHS.

LANDSCAPE NOTES

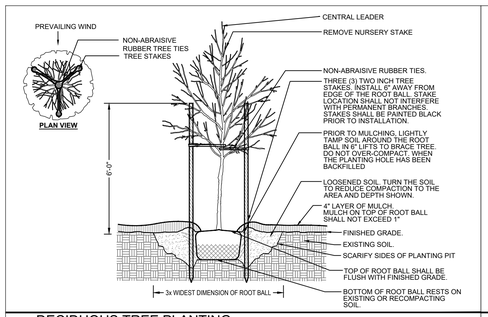
N.T.S. SOURCE: KIMLEY-HORN

SOIL MATERIAL NOTES :
(REFER TO SPECIFICATIONS BY OTHERS _ FOR COMPLETE SOIL MATERIAL AND EARTHWORK INFORMATION)

1. GENERAL: PROVIDE BORROW SOIL MATERIAL WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
2. SATISFACTORY SOILS: SOIL CLASSIFICATION GROUPS GW, GM, SW, AND SP ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE SOIL GROUPS. FREE FROM ROCK OR GRAVEL LARGER THAN 3 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER.
3. UNSATISFACTORY SOILS: SOIL CLASSIFICATION GROUPS SM, SC, CL, ML, OL, CH, MH, OH, AND PT ACCORDING TO ASTM D 2487, OR A COMBINATION OF THESE SOIL GROUPS.
   3.1. UNSATISFACTORY SOILS ALSO INCLUDE SATISFACTORY SOILS NOT MAINTAINED WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT AT THE TIME OF COMPACTION.
4. SUBBASE MATERIAL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND, ASTM D2940, WITH AT LEAST 90 PERCENT PASSING A 1-1/2" (37.5MM) SIEVE AND NOT MORE THAN 5 PERCENT PASSING A NO. 200 (0.075MM) SIEVE.
5. BASE COURSE: NATURALLY OR ARTIFICIAL GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND, NYSDOT ITEM 304.11. RECYCLED MATERIAL (BUILDING AND ROAD DEMOLITION MATERIAL CONSISTING OF BRICK, CEMENT CONCRETE, OR OTHER MATERIALS) MAY NOT BE USED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER.
6. ENGINEERED FILL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND; ASTM D 2940; WITH AT LEAST 90 PERCENT PASSING A 1-1/2 INCH (37.5MM) SIEVE AND NOT MORE THAN 12 PERCENT PASSING A NO.200 (0.075MM) SIEVE.
7. BEDDING COURSE: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND; ASTM D 2940; WITH 100 PERCENT PASSING A 1-INCH (25MM) SIEVE AND NOT MORE THAN 0 TO 5 PERCENT PASSING A NO.8 (2.36MM) SIEVE.
8. DRAINAGE COURSE: NARROWLY GRADED MIXTURE WASHED CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL; ASTM D 448; COURSE AGGREGATE GRADING SIZE 57 WITH 100 PERCENT PASSING A 1-1/2 INCH (37.5MM) SIEVE AND 0 TO 5 PERCENT PASSING A NO.4 (4.75MM) SIEVE.
9. FILTER MATERIAL: NARROWLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL SAND; ASTM D 448; COURSE AGGREGATE GRADING SIZE 67 WITH 100 PERCENT PASSING A 1-INCH (25MM) SIEVE AND 0 TO 5 PERCENT PASSING A NO.8 (2.36MM) SIEVE.
10. TRAP ROCK: NARROWLY GRADED MIXTURE OF WASHED CRUSHED STONE; ASTM D 448; COURSE AGGREGATE GRADING SIZE 1 WITH 100 PERCENT PASSING A 4-INCH (100MM) SIEVE AND 0 TO 15 PERCENT PASSING A 1-1/2 INCH (37.5MM) SIEVE.
11. SAND: ASTM C 33; FINE AGGREGATE.
12. IMPERVIOUS FILL: CLAYEY GRAVEL AND SAND MIXTURE CAPABLE OF COMPACTING TO A DENSE STATE.
13. TOPSOIL: SEE SPECIFICATIONS BY OTHERS

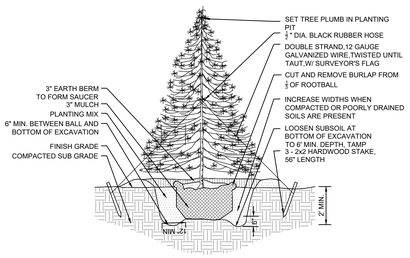
SOIL MATERIAL NOTES

N.T.S. SOURCE: KIMLEY-HORN



DECIDUOUS TREE PLANTING

N.T.S. SOURCE: KIMLEY-HORN



EVERGREEN TREE PLANTING

N.T.S. SOURCE: KIMLEY-HORN

NO.	DATE	BY
4	07/28/2022	KH
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DATE 01-27-2022
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LANDSCAPE DETAILS AND NOTES

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

SHEET NUMBER
LA-1.1

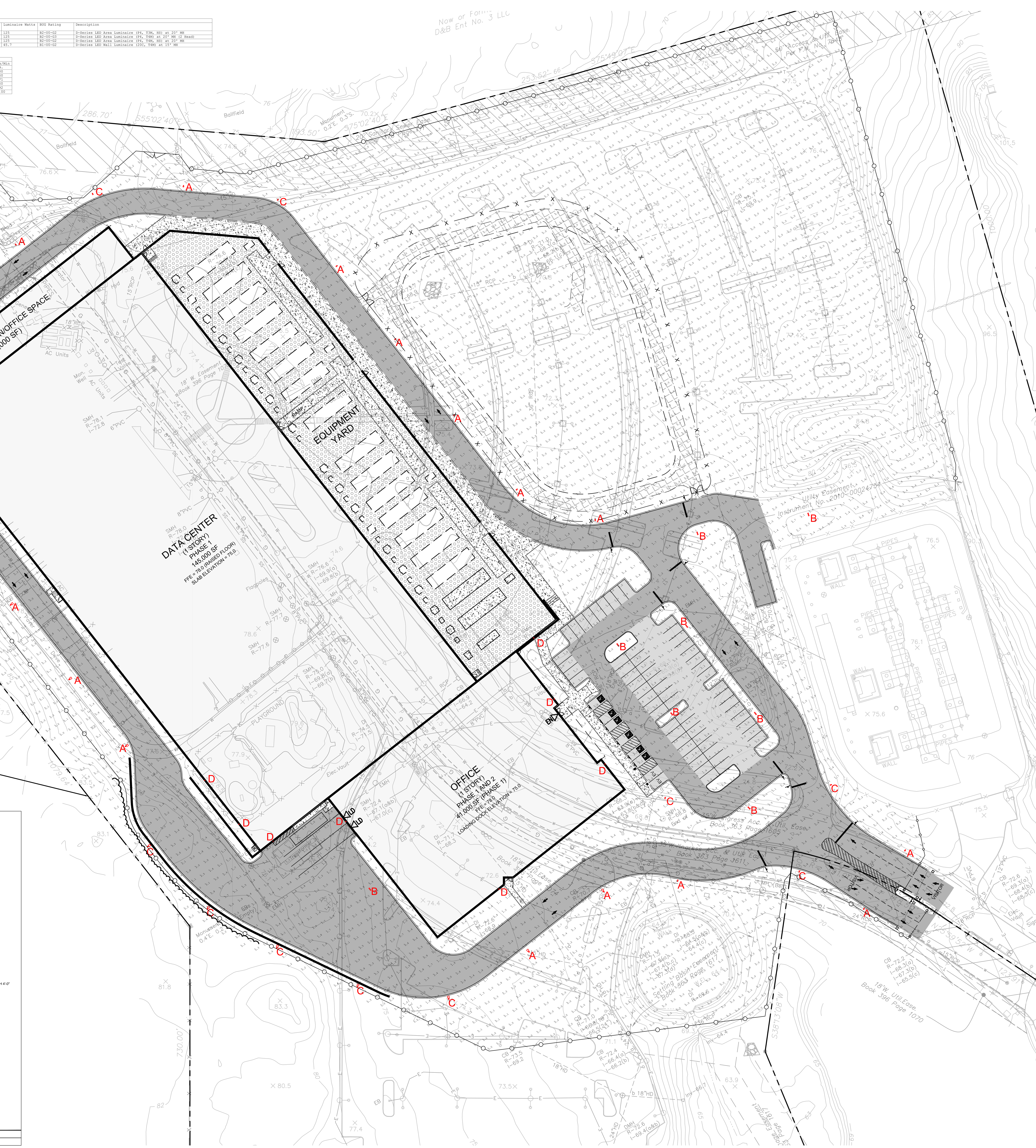
k:\whp_civil\112117011_orangeburg databank_orangeburg, ny\7. civil\2. cad\plansheets\interim zoning plans\LT-1.0 LIGHTING PLAN.dwg

Luminaire Schedule

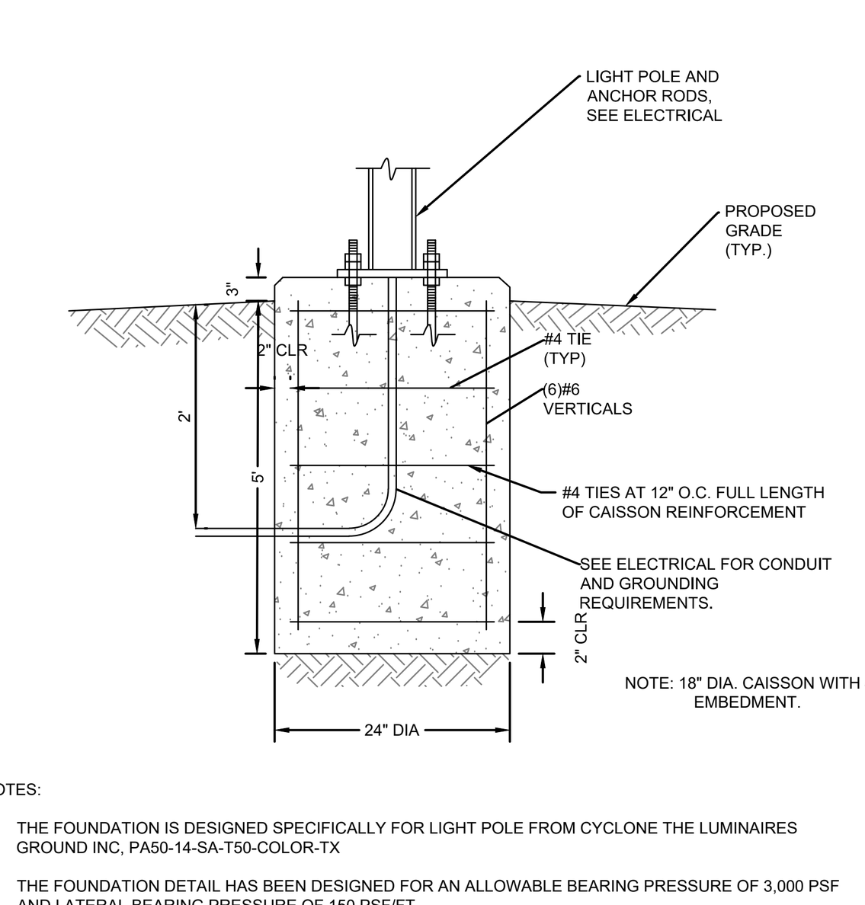
Symbol	Qty	Label	Arrangement	Mounting Height	LLF	Arrangement Watts	Luminaire Watts	BUG Rating	Description
A	19	DSX1_LED_P4_40K_T3M_MVOLT_HS	Single	20	0.850	125	125	B2-U0-G2	D-Series LED Area Luminaire (P4, T3M, HS) at 20' MH
B	8	DSX1_LED_P4_40K_T4M_MVOLT_2H	Back-Back	20	0.850	250	125	B2-U0-G3	D-Series LED Area Luminaire (P4, T4M) at 20' MH (2 Head)
C	11	DSX1_LED_P4_40K_T4M_MVOLT_HS	Single	20	0.850	125	125	B2-U0-G2	D-Series LED Area Luminaire (P4, T4M, HS) at 20' MH
D	8	DSXW1_LED_20C_700_40K_T4M_MVO	Single	20	0.850	45.7	45.7	B1-U0-G2	D-Series LED Wall Luminaire (20C, T4M) at 15' MH

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PHASE 1 LOD	Illuminance	Fc	0.91	8.6	0.0	N.A.	N.A.
Driveway from Circle to Loop	Illuminance	Fc	2.10	3.5	0.7	3.00	5.00
Driveways between Substations	Illuminance	Fc	2.11	5.6	1.0	2.11	5.60
Loading Dock	Illuminance	Fc	1.16	1.9	0.7	1.66	2.71
Parking Lot	Illuminance	Fc	2.91	8.6	1.0	2.91	8.60
Sidewalk in front of Building	Illuminance	Fc	1.56	2.3	1.2	1.30	1.92
Traffic Loop around Buildings	Illuminance	Fc	2.21	6.9	0.3	7.37	23.00



LIGHT POLE FOUNDATION



NOTES:

1. THE FOUNDATION IS DESIGNED SPECIFICALLY FOR LIGHT POLE FROM CYCLONE THE LUMINAIRES GROUND INC, PA50-14-SA-T50-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

D-Series Size 1
LED Area Luminaire

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.

Specifications: EPA: 1.01 ft² (0.09 m²); Length: 33" (83.8 cm); Width: 13" (33.0 cm); Height H1: 7-1/2" (19.0 cm); Height H2: 3-1/2"; Weight (max): 27 lbs (12.2 kg)

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

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D-Series Size 1
LED Wall Luminaire

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 up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

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)

Ordering Information — EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

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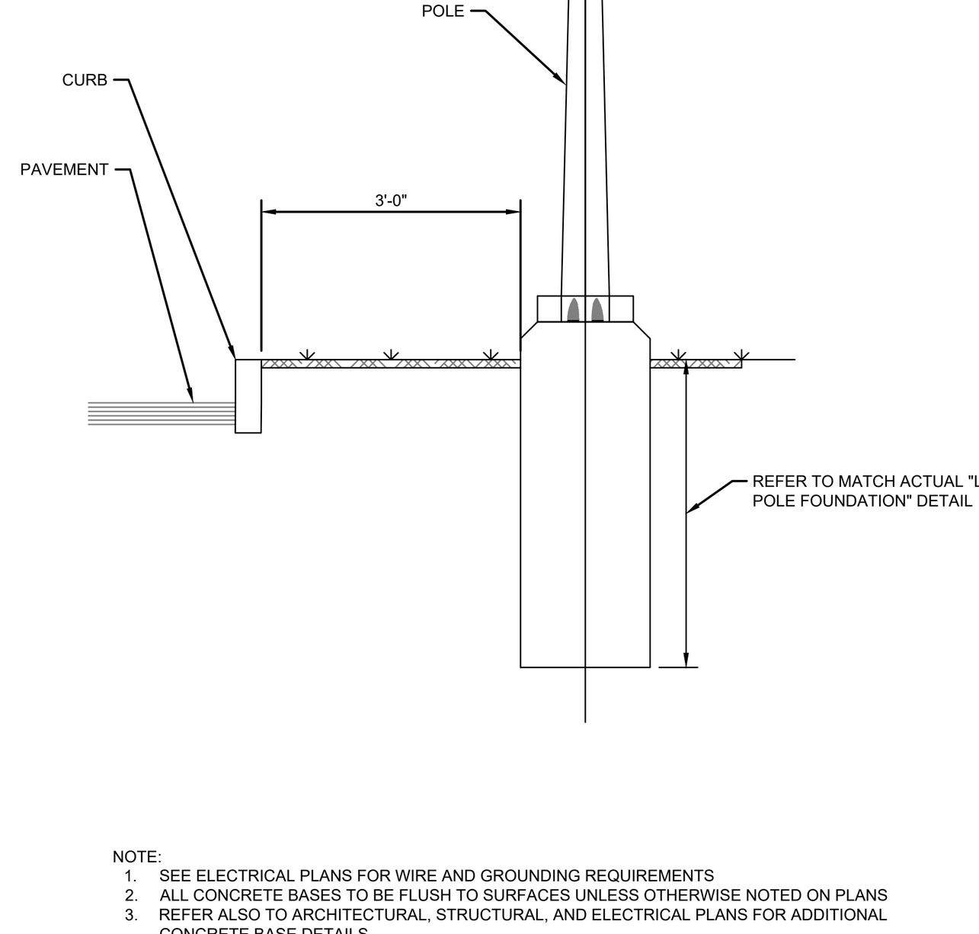
LIGHT POLE BASE



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

NORTH

GRAPHIC SCALE IN FEET 0 20 40 80

NO.	REVISIONS	DATE	BY
4	ZBA SUBMISSION	07/28/2022	KH
3	SITE PLAN REVISIONS	05/13/2022	KH
2	SITE PLAN SUBMISSION	04/14/2022	KH
1	50% DDs	03/29/2022	KH

NOT FOR CONSTRUCTION

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

DATABANK

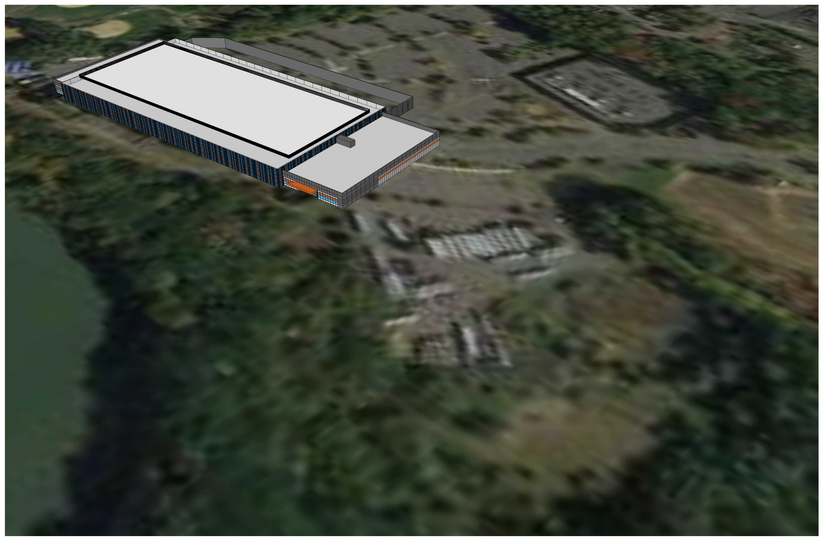
KHA PROJECT 112117011
DATE 01-27-2022
SCALE: AS SHOWN
DESIGNED BY:
DRAWN BY: BMD
CHECKED BY: MWJ

LIGHTING PLAN

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

SHEET NUMBER
LT-1.0

Architectural



Architectural Scope Phase 1

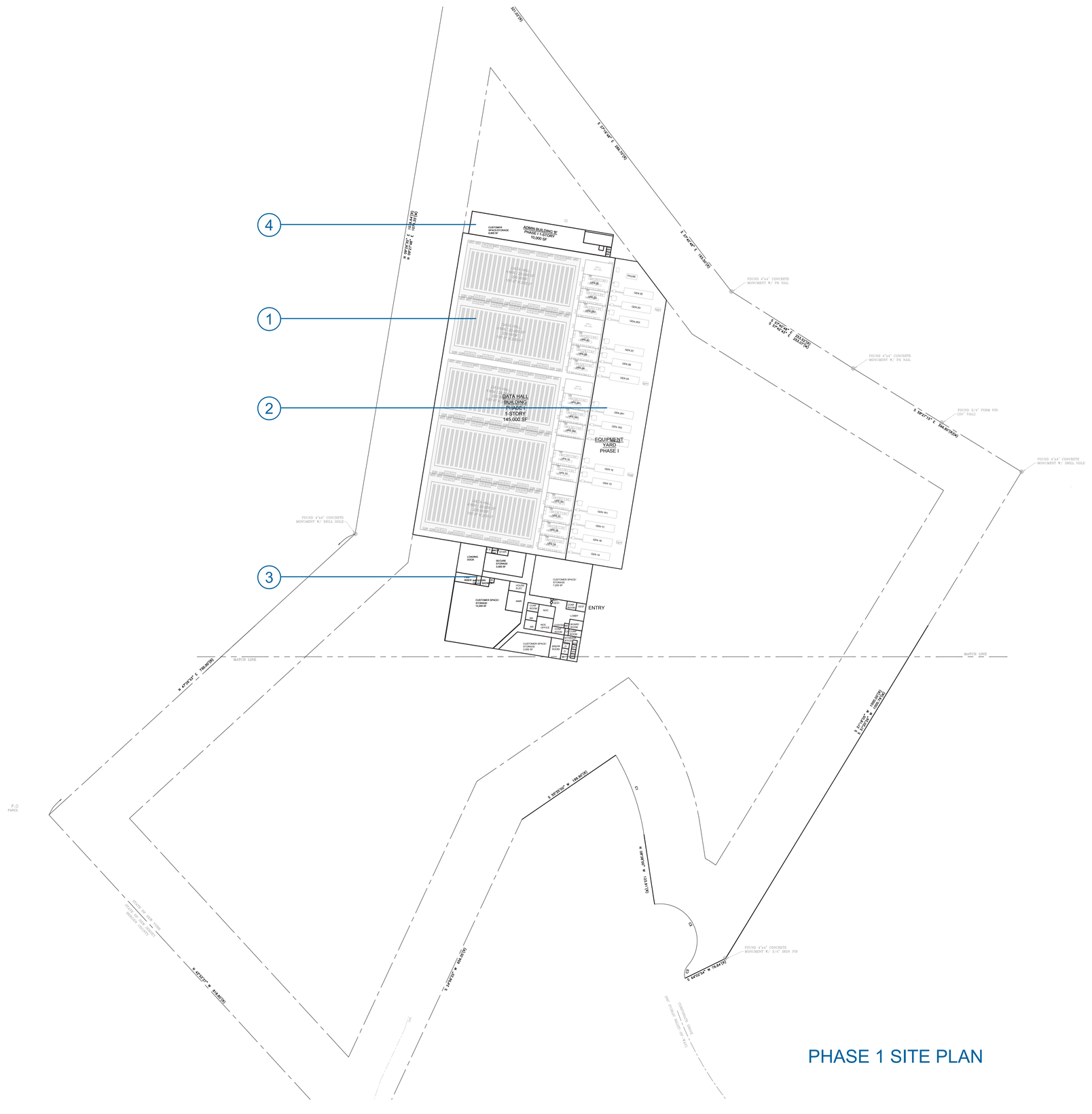
Phase 1 consists of a single story, steel framed building that will house the north data halls, north equipment yard, central administration area, and north

1. The north data halls will be contain (5) 4MW data halls at 20,000 sf (200 watts/sf) and required UPS rooms. The data halls will have a depressed slab with approximately 3’-0” raised accessed floor. The exterior shell will be constructed of precast concrete panels.

2. The secured north equipment yard will contain generators and vista switches.

3. The central administration area will consist of a lobby entry area including conference rooms, security, NOC, restroom; loading dock area with storage; Databank office area including workstations, offices, copy room, and conference room; and building infrastructure including burn-in room, fire riser, electrical room, water room, and janitor closets; customer space, and storage. There will also be a stair and freight elevator to provide roof access. The building entry will be constructed of a glass curtain wall system and the remainder of the exterior shell will be constructed of composite metal panel system.

4. The north administration area will consist of an MMR room and additional customer and storage space. The exterior shell will be constructed of a glass curtain wall system and composite metal panel system.

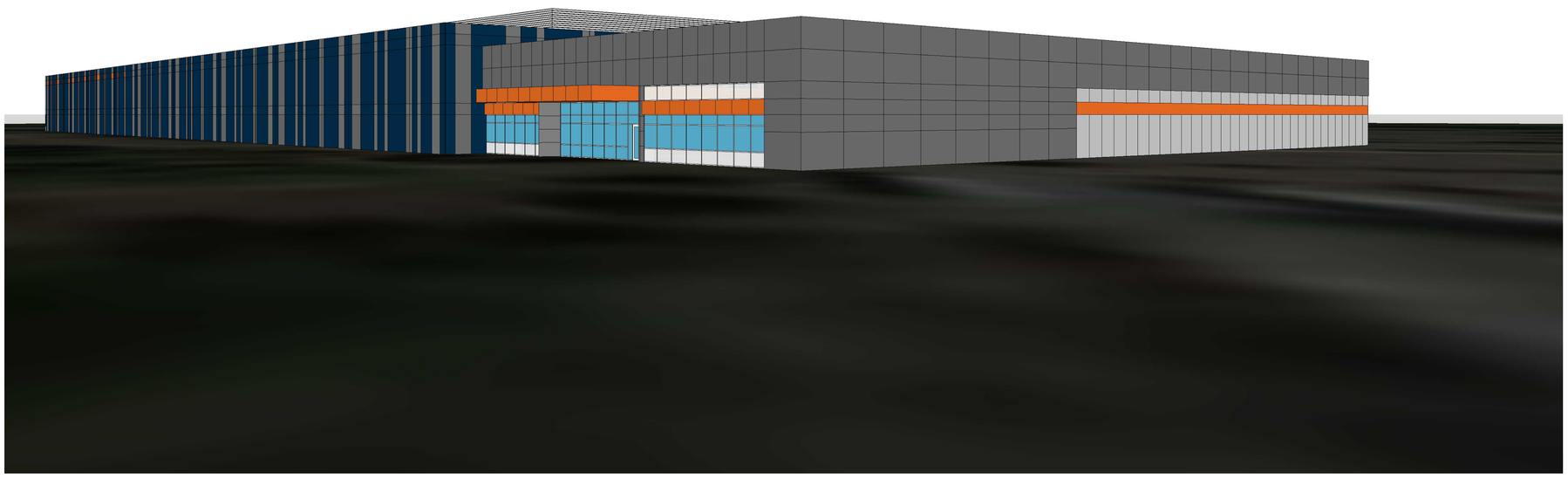


PHASE 1 SITE PLAN

Architectural

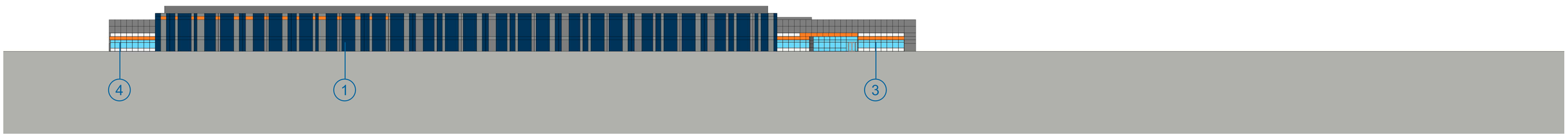
Phase 1

1. North data halls
2. North equipment yard
3. Central administration area
4. North administration area



P1 PHASE 1 SOUTHWEST PERSPECTIVE

E1 PHASE 1 SOUTH ELEVATION

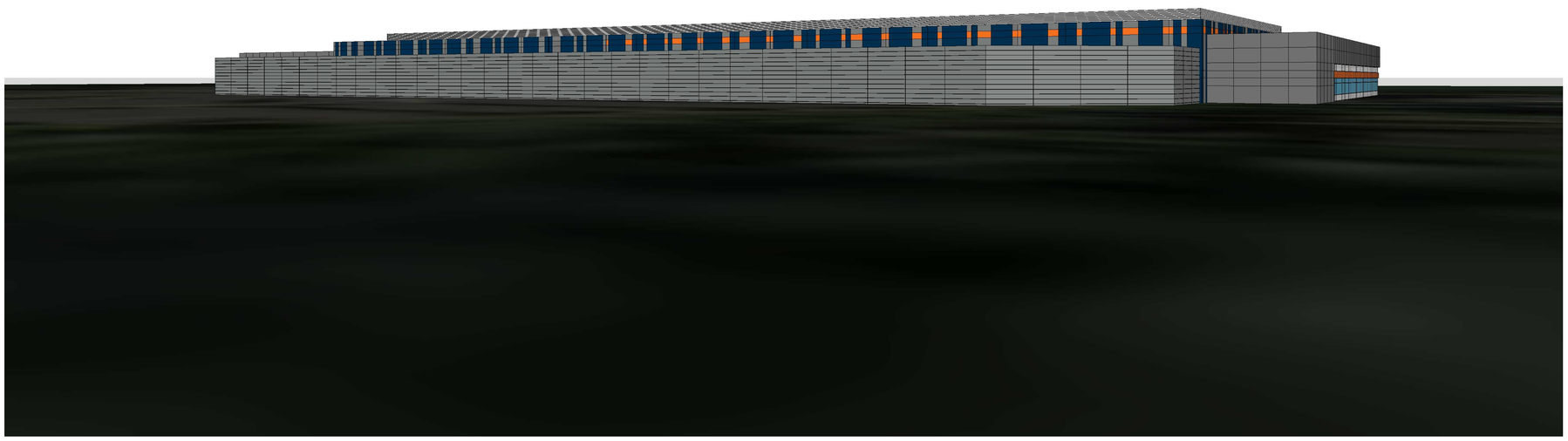


E2 PHASE 1 WEST ELEVATION

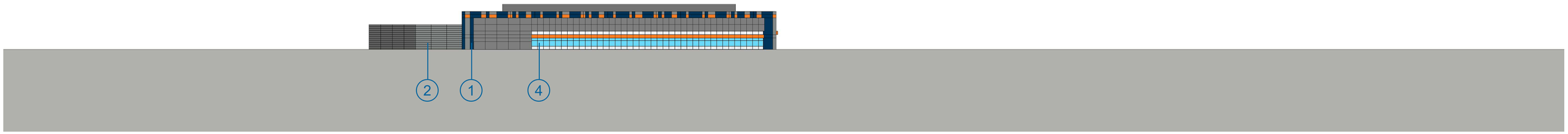
Architectural

Phase 1

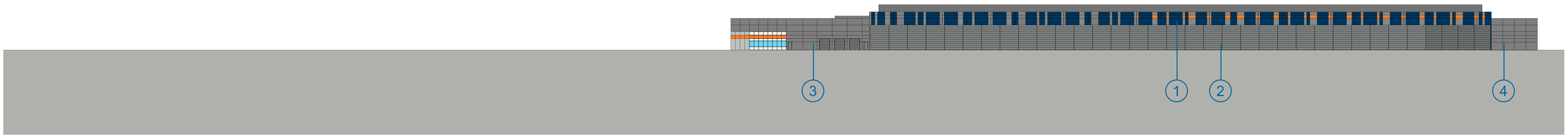
1. North data halls
2. North equipment yard
3. Central administration area
4. North administration area



P1 PHASE 1 NORTHEAST PERSPECTIVE



E1 PHASE 1 NORTH ELEVATION



E2 PHASE 1 EAST ELEVATION