

DEEP HOLE DATA:
 DEEP HOLES 1, 2 & 3
 0-4\"/>

DRAINAGE NOTES:

- PROPOSED DRAINAGE SYSTEM IS DESIGNED TO UTILIZE A LAYER OF SAND FOUND NEAR THE SURFACE OF THE GROUND. DRAINAGE STRUCTURES MUST BE SET AT ELEVATIONS SHOWN.
- DVS-36C UNITS ARE DUAL VORTEX SEPARATOR CIRCULAR PRECAST CONCRETE STRUCTURES BY OLDCASTLE PRECAST. UNITS ARE RATED HS-20-44 DESIGN LOADING AND MANUFACTURED IN ACCORDANCE WITH ASTM C478 AND C497. UNITS SHOULD BE ORDERED WITH GRATES AND WITH PAPE INLET AND OUTLET ANGLES AS SHOWN HEREIN. CONTACT OLD CASTLE AT (267) 421-3671 OR MICHAEL.SNPES@OLDCASTLE.COM

DRAINAGE SUMMARY

- SEE ATTACHED DESIGN DETAILS
- DRAINAGE SYSTEM INCLUDES FOUR NEW CATCH BASINS.

TRAFFIC RATED INFILTRATOR H-20 UNITS.

DRAINAGE VOLUME CALCULATIONS:

- NEW IMPERVIOUS AREA = 12,443 SQ. FT.
- 100 YEAR STORM = 7.2 INCHES / DAY
- VOLUME = 12,443 * 7.2 / 12 = 7,466 CU. FT. WATER / DAY
- USE RATIONAL METHOD OF DETERMINING EFFECT OF RAINFALL.
- $Q = C * I * A$, Q = QUANTITY; C = RAINFALL COEFFICIENT; I = INTENSITY; A = AREA
- BEFORE CONSTRUCTION = 0.05 (COMPACTED GRAVEL)
- AFTER CONSTRUCTION = 0.98 (PAVEMENT)
- $I = 7.2$ INCHES / DAY = 0.6 FT / DAY
- $A = 12,443$ SQ. FT.
- $Q_{before} = 0.05 * 0.6 * 12,443 = 4,479.48$ CU. FT. / DAY
- $Q_{after} = 0.98 * 0.6 * 12,443 = 7,316.48$ CU. FT. / DAY
- NET INCREASE = 7,316.48 - 4,479.48 = 2,837 CU. FT. / DAY
- PEAK FLOW = 2 * AVERAGE. PEAK HOURLY VOL = 236.42 CU. FT. / HOUR

DRAINAGE DESIGN CALCULATIONS:

- INFILTRATOR H-20 LOAD RATED UNITS 34\"/>

TOWN OF CORTLANDT NOTES:

- PROPERTY SHOWN IS ZONED HC, HIGHWAY COMMERCIAL.
- IF RECYCLED FILL MATERIAL IS TO BE PLACED ON THIS SITE, A NOTE MUST BE THIS DRAWING. IN ADDITION, REQUIRED TESTING AND CERTIFICATION LETTERS REGARDING THE RECYCLED MATERIAL SHALL BE SUBMITTED TO THE TOWN OF CORTLANDT ENGINEERING DEPARTMENT PRIOR TO PLACING ANY RECYCLED MATERIAL. CONTACT THE TOWN ENGINEERING OFFICE FOR PARTICULARS ON TESTING AND CERTIFICATION LETTERS. IF RECYCLED MATERIAL IS NOT TO BE USED ON THIS SITE, IT SHALL BE SO NOTED ON THIS DRAWING.
- DUE TO THE WEIGHT OF THE VEHICLES PARKED HEREON, RECYCLED MATERIAL IS NOT TO BE USED ON THIS SITE.
- A ROAD OPENING PERMIT FROM THE TOWN OF CORTLANDT DEPARTMENT OF ENVIRONMENTAL SERVICES SHALL BE REQUIRED FOR THE NORTH ENTRANCE.
- PARKING SHALL BE FOR NO MORE THAN TWELVE FULL SIZE BUSES OR THE EQUIVALENT FOOTPRINT.
- PARKING AREA SHALL NOT BE USED FOR WASHING VEHICLES NOR DRAINING SANITARY OR OTHER WASTE.
- AN "AS-BUILT" DRAINAGE PLAN WILL BE REQUIRED BEFORE A CERTIFICATE OF OCCUPANCY IS ISSUED. DESIGN ENGINEER TO BE NOTIFIED 72 HOURS BEFORE CONSTRUCTION IS BEGUN.
- PRIOR TO A CERTIFICATE OF CONSTRUCTION COMPLIANCE, COPIES OF ALL EASEMENTS WITH THE COUNTY OF WESTCHESTER, AS RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK MUST BE DELIVERED TO THE TOWN OF CORTLANDT DEPARTMENT OF TECHNICAL SERVICES.

1 SITE PLAN
 1" = 50'-0"

SYMBOL	COMMON NAME BOTANICAL NAME	SIZE	ROOT	QUANTITY
ST	JAPANESE PAGODA TREE SAPHORA JAPONICA	2-3" CAL	B&B	14
ZS	JAPANESE ZELKOVA ZELKOVA SERRATA	2-3" CAL	B&B	2
CC	EASTERN REDBUD CERCIS CANADENSIS	2-3" CAL	B&B	3
VC	SPICE VIBURNUM VIBURNUM CARLESI KOREAN	5 GAL	B&B	6
VD	ARROWWOOD VIBURNUM VIBURNUM DENTATUM	5 GAL	B&B	6
PF	SHRUBBY CINQUEFOIL POTENTILLA FRUTICOSA BLUE SPIRE	3 GAL	B&B	30
PA	PEROVSKIA ATRIPLOCFOLIA	3 GAL	B&B	20
PM	BLACK DWARF FOUNTAIN GRASS PENNISETUM ALOPECUROIDES MOUDRY	3 GAL	CONT	40
PH	DWARF FOUNTAIN GRASS PENNISETUM ALOPECUROIDES HAMLIN	3 GAL	CONT	35
CA	FEATHER REED GRASS CALAMAGROSIS ACUTIFLORA KARL FOERSTER	3 GAL	CONT	25

The Department Head signatures indicate that this drawing or set of drawings is consistent with the Planning Board resolution of approval and with the general requirements and policies of the Town of Cortlandt for which the Department Head is responsible. The project design including all public health and safety considerations are solely responsibility of the design professional who has signed and sealed the drawings.

Reviewed by the Department of Environmental Services
 Jeff Coleman, P.E., Director

Reviewed by the Department of Technical Services
 Michael Prezkosl, P.E., Director

SITE PLAN NOTES:

- BUS PARKING SPACES 12 FT X 52 FT
- PROPOSED TWELVE NEW BUS PARKING SPACES.
- MINI BUS PARKING SPACE 10 FT X 30 FT
- PROPOSED ONE NEW MINI BUS PARKING SPACES.

TOWN OF CORTLANDT
 TAX MAP 23.13-1-6, 7 & 8

Approved by Resolution No. _____ of the Planning Board of the Town of Cortlandt, New York on the _____ day of _____, 2019, subject to all requirements and conditions of said Resolution. Any change, erasure, modification or revision except the addition of signatures, on this Plat or Site Plan, after the above date, shall void this approval.

Signed this _____ day of _____, 2019 by

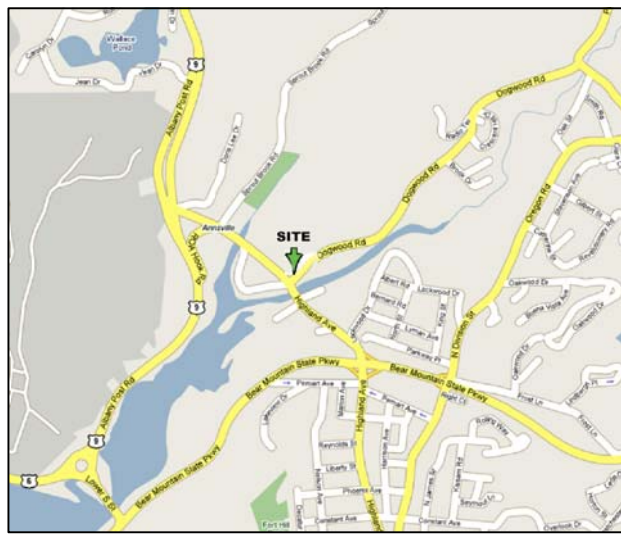
 chairman of the Planning Board

SITE DATA NOTES

NAME OF PROJECT / OWNER	ERNEST KNIPPENBERG, HUDSON VALLEY BUS CO.
PROJECT ADDRESS	6 DOGWOOD ROAD CORTLANDT MANOR, NY 10567
TELEPHONE NO.	914-308-0620
TAX MAP #:	23.13-1-6, 7 & 8
ZONING DISTRICT	HC ZONE
USE	BUS GARAGE

ITEM	REQUIRED - ALLOWED	PROPOSED	VARIANCE REQUIRED
AREA	.459 ACRES (20,000 SF)	1.28 ACRES (55,611 SF)	NO
BUILDING COVERAGE	25%	13.5%	NO
FRONT YARD	30 FT	22.1 FT @ SOUTH, 51.3 FT @ WEST	YES, 7.9 FT EXISTING DUE TO JOG IN PROPERTY LINE
SIDE YARD	25 EA	6.2 FT	YES, 18.8 FT
REAR YARD	25 FT	26.5 FT	NO
BUILDING HEIGHT	35 FT, 2 1/2 STORIES	28 FT, 2 STORIES	NO
LANDSCAPE	25%	25.88%	NO
LANDSCAPE BUFFER @ STREET	25 FT	6.3 FT	YES, 18.7 FT
PARKING	1 PER 300 SF. 7525 SF BUILDING/300 = 25.08	28 PROVIDED, ONE IS HANDICAPPED ACCESSIBLE.	NO

POLE MOUNTED
 INDR-1MA (TYP)
SITE LIGHTING FIXTURES
 SCALE: 1/4" = 1'-0"
 LIGHT FIXTURES AND POST ARE FROM ARCHITECTURAL AREA LIGHTING 172.M



ARCHITECTURAL VISIONS, P.L.L.C.
 2 MUSCOOT ROAD NORTH MAHOPAC NY, 10541 P: 845-628-6613 F: 845-628-2807
 JOEL.GREENBERG@ARCHV-VISIONS.COM

PROJECT: HUDSON VALLEY BUS CO
 PROJECT ADDRESS: 6 DOGWOOD ROAD, CORTLANDT MANOR, NY 10567
 MAILING ADDRESS: 6 DOGWOOD ROAD, CORTLANDT MANOR, NY 10567
 TAX MAP NO. 23.13-1-6, 7 & 8

SITE PLAN

ISSUANCE	DATE
FOR REVIEW	02-19-2019
FOR APPROVAL	02-19-2019

SCALE AS NOTED
 DRAWN BY: CHKD BY: MJS / JLG
 PROJECT NO. 02-19-014

AS-100

IT IS A VIOLATION OF STATE LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER ANY ITEM ON THESE PLANS AND DOCUMENTS IN ANY WAY. PER STATE LAW, IF AN ITEM BEARING THE SEAL OF AN ARCHITECT IS ALTERED, THE ALTERING ARCHITECT SHALL AFFIX THEREON HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. THIS ARCHITECT DENIES ANY AND ALL RESPONSIBILITY FOR ALTERATIONS OF THESE PLANS AND DOCUMENTS BY OTHERS AND EXPRESSLY DENIES PERMISSION TO OTHERS TO ALTER THESE PLANS AND DOCUMENTS.