ADDENDUM NO. 1
to
CONTRACT DOCUMENTS

for
SITE WORK, EXISTING BUILDING & GREENHOUSE DEMOLITION AND MISCELLANEOUS RENOVATIONS

at
NORTHERN BURLINGTON COUNTY REGIONAL HIGH SCHOOL
located at 160 Mansfield Road East, Columbus, NJ 08022

for the
NORTHERN BURLINGTON COUNTY REGIONAL SCHOOL DISTRICT
COLUMBUS, BURLINGTON COUNTY, NEW JERSEY

Issued: April 12, 2021

FVHD PROJECT #5086.9 / NJDOE# 3690-050-17-1000

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Donald M. Hamnett, P.E. Lic., No. 17976

SHARPE ENGINEERING, INC.
Consulting MEP Engineers
130 Futura Drive, Suite 200
Limerick Township, PA 19464
John R. Sharpe, P.E., #24GE04625500

INTENT

This Document supersedes all conflicting and contrary information in said Contract Documents. Said documents are hereby amended in certain particulars as described herein after. Unless specifically noted or specified hereinafter all work shall conform to the applicable provisions of the Contract Documents. Bidders shall acknowledge receiving this document on the Bid Proposal Form.

This Addendum includes two (2) pages and the following:

1. Pre-Bid Meeting Sign-In Sheet (1-page)
2. Revised Drawing(s):
   a. General: G002
   b. Civil: C-101, C-102, C-104
   c. Architectural: A102, A103, A105

CLARIFICATIONS

1. A question was raised about asbestos abatement in the buildings shown to be demolished under this Project. Any abatement required will be performed by the Owner and is not included in the scope of this Project.

REFER TO DRAWINGS

The following Drawings and/or Sketches are attached to this Addendum:

DRAWING NO.	TITLE
G002	General Notes, Typical Details, Legends and Abbreviations
C-101	Demolition Plan
C-102	Site Plan
C-104	Utility Plan
A102	Demolition Plan - Existing Greenhouses and Outbuildings
A103	New Hoist Beam at Agriculture / Mech (Engine) H146
A105	New Steel Dunnage at RTU-16 & RAC-20

The following Drawings to be revised or corrected as follows:

DRAWING NO.	CHANGES AND CORRECTIONS
G002, C-101 C-102, C-104, A102, A103, A105	Delete listed drawings in their entirety and substitute with the enclosed revised drawings.
G001	At Drawing Index, revise title of Drawing A104 to be “Not Used”.
A104	Delete Drawing A104 in its entirety.
E101	Delete Plan 1 in its entirety.
E102	Delete Plan 1 in its entirety.

END OF ADDENDUM NO. 1

FVHD architects planners
Fraytak Veisz Hopkins Duthie, P.C.

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Mont Clare, Pennsylvania 19453
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PROJECT NAME: Sitework, Existing Bldg/Greenhouse Demo and Misc. Renovations at NBCRHS No. Burlington Co. Reg. S.D.

DATE: Wednesday, April 7, 2021 at 3:00 PM

FVHD PROJECT#: 5086.9

PRE-BID MEETING SIGN-IN SHEET

REPRESENTATIVE NAME (Please Print)	COMPANY NAME & ADDRESS	CONTRACT NUMBER	TELEPHONE#	FAX#	E-MAIL
Pat Creelman	winzinger, Inc. 1704 Marne Hwy. Hainesport, NJ 08036	609 267-8600		609 267-4079	Pat@winzinger.com
Tom Smiley	JPC Group, Inc. 228 Blackwood-Barnsboro Rd Blackwood, NJ 08012	856-232-0400		856-232-1243	estimating@jpcgroupinc.com
Sean Brennan	TBC 11 Vreeland Ave Totowa, NJ 07512	973 977 5161		973 956 8811	sean@tbcdemo.com
Josh Levy	Levy Construction Co				
Ray Hubbell	Ranco Const	609-801 1808			Ranco@Ranco construction.com

FIRE-RATED PENETRATION CHART

CONCRETE OR BLOCK WALLS		
TYPE OF PENETRATE	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	CAJ 0055, CAJ 0070
	2	CAJ 0055, CAJ 0070
	3	CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, WJ 1021
	2	CAJ 1226, WJ 1021
	3	CAJ 1226, WJ 1041, WJ 1042
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT)	1	CAJ 2109, CAJ 2098, CAJ 2167
	2	CAJ 2109, CAJ 2098, CAJ 2167
	3	CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	WJ 3036, CAJ 3095, CAJ 3096
	2	WJ 3036, CAJ 3095, CAJ 3096
	3	CAJ 3095, CAJ 3096
CABLE TRAY	1	WJ 4016, CAJ 4034, CAJ 4035
	2	WJ 4016, CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	CAJ 5090, CAJ 5091, CAJ 5061
	2	CAJ 5090, CAJ 5091, CAJ 5061
	3	CAJ 5090, CAJ 5061
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	2	CAJ 7046, CAJ 7051, WJ 7021, WJ 7022
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056, WJ 8007
	2	CAJ 8041, CAJ 8056, WJ 8007
	3	CAJ 8041, CAJ 8056, WJ 8007

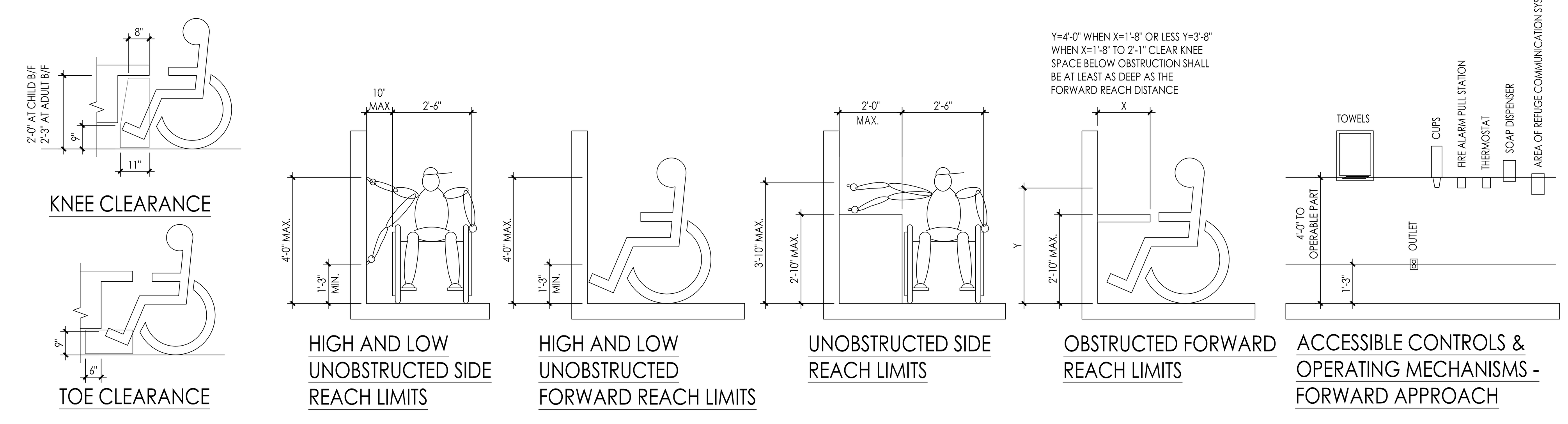
1 U.L. ASSEMBLIES AT CONCRETE OR BLOCK WALL PENETRATIONS
N.T.S.

CONCRETE FLOORS		
TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
CIRCULAR BLANK OPENINGS	1	FA 0006, CAJ 0055, CAJ 0070
	2	FA 0006, CAJ 0055, CAJ 0070
	3	FA 0006, CAJ 0055
SINGLE METAL PIPES OR CONDUIT	1	CAJ 1226, FA 1017
	2	CAJ 1226, FA 1017
	3	CAJ 1226, FA 1017
SINGLE NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT)	1	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	2	FA 2053, FA 2025, CAJ 2109, CAJ 2098, CAJ 2141, CAJ 2167, CBJ 2021
	3	FA 2054, CAJ 2109, CAJ 2098
SINGLE OR BUNDLED CABLES	1	FA 3007, CAJ 3095, CAJ 3096
	2	FA 3007, CAJ 3095, CAJ 3096
	3	FA 3007, CAJ 3095, CAJ 3096
CABLE TRAY	1	CAJ 4034, CAJ 4035
	2	CAJ 4034, CAJ 4035
	3	CAJ 4034, CAJ 4035
SINGLE INSULATED PIPES	1	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	2	FA 5015, FA 5016, CAJ 5090, CAJ 5091, CAJ 5098
	3	FA 5016, CAJ 5090
ELECTRICAL BUSWAY	1	CAJ 6006, CAJ 6017
	2	CAJ 6006, CAJ 6017
	3	CAJ 6006, CAJ 6017
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	CAJ 7046, CAJ 7051
	2	CAJ 7046, CAJ 7051
	3	CAJ 7046, CAJ 7051
MIXED PENETRANTS	1	CAJ 8041, CAJ 8056
	2	CAJ 8041, CAJ 8056
	3	CAJ 8041, CAJ 8056

2 U.L. ASSEMBLIES AT CONCRETE FLOOR PENETRATIONS
N.T.S.

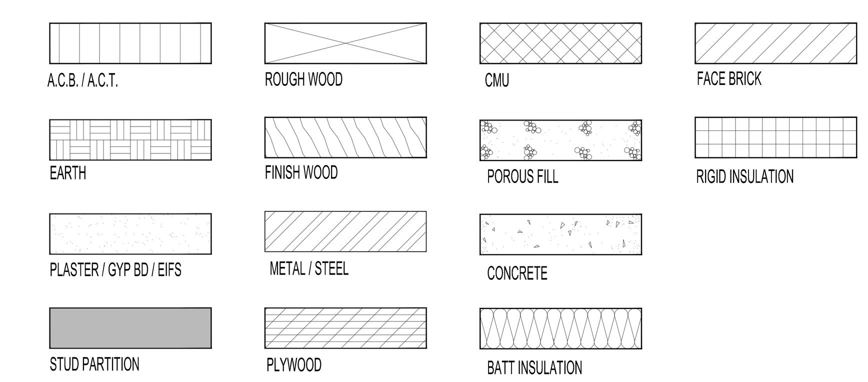
GYPSUM WALLBOARD ASSEMBLIES		
TYPE OF PENETRANT	FIRE RATING	UL CLASSIFIED SYSTEM
METAL PIPES OR CONDUIT	1	WL 1054, WL 1058, WL 1164
	2	WL 1054, WL 1058, WL 1164
NON-METALLIC PIPES OR CONDUIT	1	WL 2078, WL 2075, WL 2128
	2	WL 2078, WL 2075, WL 2128
SINGLE OR BUNDLED CABLES	1	WL 3065, WL 3111, WL 3112
	2	WL 3065, WL 3111, WL 3112
CABLE TRAY	1	WL 4011, WL 4019
	2	WL 4011, WL 4019
INSULATED PIPES	1	WL 5028, WL 5029, WL 5047
	2	WL 5028, WL 5029, WL 5047
NON-INSULATED MECHANICAL DUCTWORK WITHOUT DAMPERS	1	WL 7017, WL 7040, WL 7042
	2	WL 7040, WL 7042
MIXED PENETRANTS	1	WL 1095, WL 8013
	2	WL 1095, WL 8013

3 U.L. ASSEMBLIES AT GYPSUM WALL BOARD PENETRATIONS
N.T.S.



4 ACCESSIBILITY DIMENSIONS
Scale: N.T.S.

MATERIAL LEGEND



GENERAL NOTES ON DEMOLITION:

A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BIDS. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO SO NOTIFY THE ARCHITECT INDICATES THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND / OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACTS.

B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUNCPNTRACTOR. ALL EQUIPMENT, DEVICES, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE GENERAL CONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.

C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.

E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.

F. IF NOT OTHERWISE NOTED OR DETAILED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW, SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.

G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.

H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC, THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.

I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.

J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.

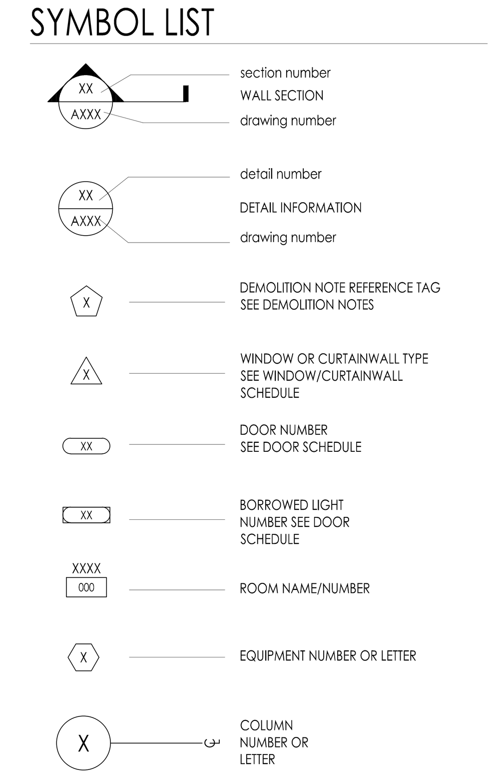
K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS RELATING TO THE NEW CONSTRUCTION.

L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.

GENERAL NOTES

1. ALL CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE SUBMITTING A BID. DISCREPANCIES OR OMISSIONS MUST BE REPORTED TO THE ARCHITECT IN WRITING (10) DAYS PRIOR TO BID OPENING. IF HE OR SHE DOES NOT, CONTRACTOR SHALL CORRECT SAME AT NO CHANGE IN CONTRACT PRICE.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED SAFETY PROTECTION DURING CONSTRUCTION.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SUFFICIENT WORK FORCE TO MEET COMPLETION DATES AS OUTLINED IN THE SPECIFICATIONS. NO EXCEPTIONS WILL BE ALLOWED.
4. DO NOT SCALE THE DRAWINGS.
5. DETAILS NOTED "TYPICAL" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.
6. UNLESS OTHERWISE NOTED AND UNLESS FACTORY FINISHED, ALL EXPOSED SURFACES OF CMU, CONCRETE, PLASTER, WOOD, GYPSUM BOARD, HOLLOW METAL, HARDWOODS, MISC. METALS ETC., ARE TO RECEIVE PRIME AND FINISH COATS OF PAINT OR CLEAR FINISH AS SPECIFIED AND IN COLORS AS SELECTED BY ARCHITECT. EXCLUDED FROM THIS IS BRICK.
7. CALL BEFORE YOU DIG. BEFORE DIGGING CONTRACTOR SHALL CALL 1-800-242-1776 TO HAVE UTILITIES IDENTIFY UNDERGROUND LOCATION OF ALL SERVICE LINES.
8. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND IN AGREEMENT WITH ALL AGENCIES HAVING JURISDICTION.
9. THE CONTRACTOR IS RESPONSIBLE TO SECURE ALL PERMITS, TO OBTAIN APPROVALS AS REQUIRED AND COORDINATE INSPECTION WITH LOCAL BUILDING INSPECTOR. ALL PERMIT AND APPLICATION FEES WILL BE PAID BY THE OWNER AND DELIVERED BY THE CONTRACTOR.
10. DRAWINGS AND SPECIFICATIONS COMPLEMENT EACH OTHER. WORK NOT SHOWN ON DRAWING BUT CALLED FOR IN THE SPECIFICATIONS IS STILL REQUIRED, AND ALL WORK NOT CALLED FOR IN SPECIFICATIONS, BUT CALLED OUT OR SHOWN IN DRAWINGS IS STILL REQUIRED.
11. THE OWNER WILL REMOVE AND RE-INSTALL ALL MOVEABLE EQUIPMENT. EACH CONTRACTOR IS RESPONSIBLE TO REMOVE, STORE AND RE-INSTALL EXISTING BUILT-IN EQUIPMENT REQUIRED TO PERFORM THEIR WORK UNLESS NOTED OTHERWISE.
12. IN ACCORDANCE WITH NJAC 5:23-6.6(i), ALL MATERIALS AND METHODS USED SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN N.J.A.C. 5:23-6.8, MATERIALS AND METHODS.

SYMBOL LIST



ABBREVIATIONS

AACB	Acrylic acoustical ceiling board
A/C	Air conditioning
AB	Anchor bolt
ACB	Acoustical ceiling board
AD	Area drain
ADJ	Adjacent
ADJT	Adjustable
AFF	Above finished floor
AGG	Aggregate
AL	Aluminum
ALT	Alternating
ALT. BID	Alternate bid
ANC	Anchor, Anchorage
ANOD	Anodized
AP	Access panel
APX	Approximate
ARCH	Architect
BB.	Bottom of bank
BD	Board
BIT	Bituminous
BF	Barrier Free
BLDG	Building
BLK	Block
BLKG	Blocking
BM	Bench mark
BOT	Bottom
BRG	Bearing
BRK	Brick
BRZ	Bronze
BS	Both sides
BUR	Built up roof
CAB	Cabinet
CB	Catch basin
CEM	Carpet Entry Mat
CEM PLAS	Cement plaster
CEP	CMU epoxy painted
CFL	Counter flashing
CHT	Ceiling height
CI	Cast iron
CJ	Control joint
CL	Centerline / closet
CLG	Ceiling
CLR	Clear
CMU	Concrete masonry unit
COL	Column
CONC	Concrete
COND	Condition
CONST	Construction
CONT	Continuous
CONTR	Contractor
COOL	Cooling
CP	CMU Painted
CPR	Copper
CPT	Carpet
CRS	Course
CSMU	Calcium silicate masonry unit
CST	Cast stone
CT	Ceramic tile
CTP	Clear tempered plate glass
CTR	Counter
CWP	Clear wire plate
D	Drain (s)
DBL	Double
DF	Drinking fountain
DIM	Dimension
DIAM	Diameter
DK	Deck
DMB	Dry marker board
DN	Down
DR	Door
DS	Downspout
DW	Dumbwaiter
E	East
EA	Each
EB	Exibition Board
EC	Electrical contractor
EF	Exhaust fan
EIFS	Exterior insulated finish system
EJ, EXP JT	Expansion joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EMER	Emergency
ENC	Enclosure
ENTR	Entrance
EOP	Edge of paving
EP	Epoxy paint
EPDM	Ethylene propylene diene monomers
EQ	Equal
EQP	Equipment
ERF	Epoxy Resinous Flooring
ETR	Existing To Remain
ETR-R	Existing To Remain - Refinished
ETZ	Epoxy Terrazzo
EWC	Electric water cooler
EXB	Expansion bolt
EXG	Existing
EXP	Exposed
EXT	Exterior
FA	Fire alarm
FB	Face brick
FBRK	Fire brick
FD	Floor drain
FE	Fire extinguisher
FEC	Fire extinguisher cabinet
FES	Flared end section
FF	Finish floor
FFE	Finished floor elevation
FGL	Fiberglass
FIN	Finish
FIX	Fixture
FLG	Flashing
FLR	Floor
FND	Foundation
FR	Frame
FRP	Fiberglass reinforced polyester
FP	Fire proof
FRT	Fire retardant
FS	Floor sink
FT	Feet
FTG	Footing
FUR	Furring
GA	Gauge
GB	Grab bar
GC	General contractor
GCMU	Glazed concrete masonry unit
GD	Grade, grading
GEP	Gypsum wall board epoxy painted
GF	Ground face
GL	Glass, Glazing
GLB	Glass block
GP	Gypsum wall board painted
GPDW	Gypsum drywall
GR	Grade
GRD.F.BLK	Ground face block
GSFT	Glazed structural facing tile
GST	Glazed structural tile
GT	Grout
GV	Galvanized
GVL	Gravel
GWB	Gypsum Wall Board
HB	Hose bib
HD	Head
HDW	Hardware
HM	Hollow metal
HOR	Horizontal
HP	Highpoint
HR	Hour
HTR	Heater
HVC	Heating & ventilation contractor
ID	Inside diameter
INL	Inlet
INS	Insulate (d), (ion)
INT	Interior
INV	Invert
JC	Janitor's closet
JT	Joint
KCPL	Keene's cement plaster
KIT	Kitchen
KPL	Kickplate
L	Length
LAB	Laboratory
LAM	Laminate (d)
LAV	Lavitory
LDR	Leader
LF	Lineal foot/Linear feet
LH	Left-hand
LL	Liveload
LOC	Location
LPT	Low point
LTL	Lintel
LW	Lightweight
LWC	Lightweight concrete
MAS	Masonry
MAT	Material
MAX	Maximum
MC	Mechanical contractor
MECH	Mechanical
MED	Medium
MET	Metal
MFR	Manufacturer
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
MMB	Membrane
MO	Masonry opening
MOV	Movable
MR	Mop receptor
MT	Marble threshold
MTD	Mounted
MTFR	Metal furring
MULL	Mullion
N	North
NIC	Not in contract
NO	Number
NOM	Nominal
NRC	Noise reduction coefficient
NTS	Not to scale
OA	Overall
OC	On center
OD	Outside diameter
OH	Overhead
OP	Opaque
OPG	Opening
OPP	Opposite
PAR	Parallel
PBD	Particleboard
PC	Plumbing contractor
PCC	Precast concrete
PERI	Perimeter
PG	Plate glass
PK	Parking
PL	Plate
P LAM	Plastic laminate
PLAS	Plaster
PNL	Panel
PNT	Paint (ed)
PR	Pair
PTT	Precast Terrazzo Tile
PRTT	Precast Resilient Terrazzo Tile
PSF	Pounds per square foot
PSI	Pounds per square inch
PTD	Paper towel dispenser
PTN	Partition
PTR	Paper towel receptor
PVC	Polyvinyl chloride
PVMT	Pavement
PWD	Plywood
QT	Quarry tile
QTY	Quantity
R	Riser
RA	Return air
RAD	Radius
RBT	Rubber tile
RCP	Reinforced concrete pipe
RD	Roof drain
RE	Reinforce (d), (ing)
REF	Reference (s)
REFL	Reflected
REG	Register
REM	Remove
REQ	Required
RES	Resilient
RET	Return
RFG	Roofing
RFH	Roof hatch
RH	Right hand
RM	Room
RO	Rough opening
ROW	Right of way
RRT	Radial rubber tile
RUB	Rubber, base
RV	Radon vent
RWC	Rain water conductor
S	South
SBS	Styrene butadiene styrene
SEC	Security
SC	Solid core
SCH	Schedule
SCT	Structural clay tile
SD	Storm drain
SFGL	Safety glass
SHM	Security hollow metal
SHTH	Sheathing
SIM	Similar
SKL	Skylight
SL	Sleeve
SNT	Sealant
SOG	Slab on grade
SP	Soundproof
SPAC'G	Spacing
SPEC	Specification
SPF, BLK	Split face block
SPK	Speaker
SQ	Square
SQ. FT.	Square foot / feet
SST	Stainless steel
STD	Standard
STG	Seating
STR	Structural
SUS	Suspended
SWF	Security Window Film
SYN	Synthetic
SYS	System
T	Tread
TB.	Top of bank
TC	Terra cotta
TEL	Telephone
T&G	Tongue and groove
TG.	Top of grate
TGR	Top of grade
THK	Thick
THR	Threshold
TKS	Tackstrip
TLT, TOIL	Toilet
TOC	Top of curb
TOM	Top of masonry
TOP	Top of plank
TOS	Top of steel
TPD	Toilet paper dispenser
TPG	Tempered plate glass
TPTN	Toilet partition
TV	Television
TYP	Typical
TZ	Terrazzo
UC	Undercut
UL	Underwriter's laboratory
UNO	Unless noted otherwise
UR	Urinal
VAT	Vinyl asbestos tile
VB	Vapor barrier
VCT	Vinyl composition tile
VERT	Vertical
VEST	Vestibule
VET	Vinyl Enhanced Tile
VIF	Verify In Field
VIN	Vinyl
VNR	Veneer
VTR	Vent thru roof
W	West
W/	With
W/O	Without
WB	Wood base
WC	Water closet
WD	Wood
WDW	Window
WG	Wire glass
WH	Wall hung
WIN	Window
WM	Wire mesh
WP	Waterproofing / Work point
WPT	Work point
WR	Water repellent
WS	Waterstop
WSCT	Wainscot
WTW	Wall to wall
WWF	Welded wire fabric

WILLIAM D. HOPKINS III, AIA, LEED AP
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GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
Architect
Date 3/26/2021

FVHD architects planners
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EST 1918
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Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

Project Owner Name
Northern Burlington County Regional School District

Project Location
160 Mansfield Rd. East, Columbus, NJ 08022

Project Number
5086.9

Project Date
03.26.2021

Checked By
W.D.H.

Drawn By
NEH

Scale
AS NOTED

Drawing Name
General Notes, Typical Details, Legends and Abbreviations

Revisions

No.	Date	Description
1	4/12/21	Addendum 1

Drawing Number
G002

LIST OF UTILITIES:

VERIZON 609-954-7264
COMCAST 610-355-7264
NJAW 856-764-6924
PSEG ELEC. 800-436-7734
PSEG GAS. 609-239-2493

REFERENCE PLANS:

1. GENERAL PARCEL PROPERTY MAP BLOCK 8, LOTS 10.02, 11.06, 11.07 AND 12 SITUATE IN MANSFIELD TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED OCT. 15, 2002.
2. MAP OF BOUNDARY, TOPOGRAPHIC, AND WETLANDS SURVEY PREPARED FOR LOTS 11.01, 11.03, 11.05, 11.06, 11.07 AMD 12 IN BLOCK 8 AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED FEB. 15, 1997 AND REVISED AUGUST 8, 1997.
3. SITE PLAN AND DETAILS PLUMBING PROJECT NO 780 ALTERATIONS AND ADDITIONS TO NORTHERN BURLINGTON REGIONAL HIGH SCHOOL AS PREPARED BY HAMNETT, BOUMAN & BLANCHE PA ARCHITECTS A.I.A. DATED 9/22/74 AS DRAWING P-1

REFERENCE DATUM:

1. DATUM USED BASED ON NAVD88 AND AN ASSUMED COORDINATE SYSTEM

GENERAL NOTES:

1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH. THEREFORE THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT OF WAYS, COVENANTS, ETC. AS MAY BE DISCLOSED IN A CURRENT COMPREHENSIVE TITLE SEARCH.
2. THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A TITLE SURVEY.
3. THIS MAP REFLECTS EXISTING SITE CONDITIONS AS THE RESULT OF A FIELD SURVEY PERFORMED BY VAN CLEEF ENGINEERING ASSOCIATES ON 9/18/18.
4. THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
5. LOCATION OF ABOVE GROUND UTILITIES AS SHOWN.
6. NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
7. IT IS IMPERATIVE THAT UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL 1-800-272-1000 TO ORDER UTILITY MARKOUTS
8. ALL DISTURBED AREAS TO BE STABILIZED WITH 5" TOPSOIL, SEED, FERTILIZER, LIME, SEED AND MULCH.
9. CONTRACTOR TO USE CARE TO PRESERVE EXISTING SIDEWALK TO REMAIN. ANY SIDEWALK DAMAGED BY CONTRACTOR SHALL BE REPLACED BY CONTRACTOR.

CONSTRUCTION NOTES:

1. ALL TEMPORARY WORK (STAGING AREA, UTILITIES, ETC..) SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETED OR WHEN THE SAME ARE NO LONGER NEEDED. THE TEMPORARY WORK AREAS SHALL BE RESTORED TO THEIR ORIGINAL GRADE AND CONDITION OR PROPOSED GRADE AND CONDITIONS FOLLOWING THE WORK. CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO RESTORE TEMPORARY WORK AREAS.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE NORTHERN BURLINGTON REGIONAL SCHOOL DISTRICT. SAFE PASSAGE FOR VEHICLES, PEDESTRIANS AND STUDENTS SHALL BE PROVIDED AT ALL TIMES. CONTRACTOR SHALL PROVIDE TEMPORARY FENCES, SIGNAGE AND SUITABLE WALKING SURFACES THAT MAY BE REQUIRED AT ALL TIMES DURING CONSTRUCTION. SEE ARCHITECTURAL PLANS.
3. ALL BACKFILL, FILL AREAS AND SUBGRADES SHALL BE COMPACTED UNLESS OTHERWISE NOTED ON THE PLANS AND/OR IN THE SPECIFICATIONS.
4. CONTRACTOR SHALL MAKE ALL TEMPORARY GRADING PROVISIONS DURING CONSTRUCTION TO ALLOW FOR THE CONTROL OF ALL RUNOFF FROM THE CONSTRUCTION SITE. TEMPORARY PIPES, GRADING AND PUMPING MAY BE REQUIRED AND SHALL BE PROVIDED ACCORDINGLY. THERE SHALL BE NO ADDITIONAL PAYMENT FOR TEMPORARY PIPING AND PUMPING.
5. ANY AND ALL SEDIMENT OR CONSTRUCTION MATERIALS TRACKED, WASHED OR SPILLED ONTO PAVEMENTS SHALL BE REMOVED IMMEDIATELY. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO PROTECTING THE EXISTING EAST POROUS PAVEMENT PARKING LOT DURING CONSTRUCTION. CONSTRUCTION VEHICLES ARE SPECIFICALLY PROHIBITED FOR USING THIS PARKING LOT. ANY AREAS OF POROUS PAVEMENT DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED IN-KIND AT CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL COORDINATE THE EXISTING GAS SERVICE ABANDONMENT (DONE BY PSE&G) AND SWITCHING OVER THE WEST BUILDING TO THE NEW SERVICE SO THAT THE SCHOOL WILL NOT HAVE INTERRUPTED GAS SERVICE.
7. IT IS IMPERATIVE THAT BOTH THE EAST AND WEST BUILDINGS RECEIVE UNINTERRUPTED GAS, WATER, ELECTRIC, CABLE, TELEPHONE AND SANITARY SEWER SERVICE DURING CONSTRUCTION. EVERY PROVISION HAS BEEN MADE ON THE PLANS TO THIS END HOWEVER, THE CONTRACTOR SHALL BECOME SUFFICIENTLY FAMILIAR WITH THE SITE, LOCATIONS OF UTILITIES, OPERATIONS OF UTILITIES AND SCHOOL SCHEDULE TO ASSURE UNINTERRUPTED SERVICE. CONTRACTOR SHALL MAKE ALL TEMPORARY PROVISIONS TO ASSURE THESE SERVICES THROUGHOUT THE PROJECT.
8. VERIZON FIBER AND COPPER LINE TO REMAIN IN-PLACE DURING CONSTRUCTION. SEE STRUCTURAL PLANS FOR DETAILS OF CONDUITS UNDER AND/OR THROUGH FOOTINGS AND FOUNDATION WALLS. CONTRACTOR TO COORDINATE THIS WORK WITH MR. ROBERT SASSE AT VERIZON, 609-954-4264, ROBERT.F.SASSE@VERIZON.COM.
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11. COMPACTION WITHIN 5 FEET FROM THE EXISTING FACILITIES SHOULD BE CONDUCTED USING A LIGHT COMPACTOR SUCH AS A "JUMPING JACK" IN ORDER NOT TO CAUSE ANY DAMAGE. THE SOIL SHOULD BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557).
12. NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
13. ALL EXCESS FILL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LAWS

DEMOLITION NOTES:

1. SITE FEATURES DESIGNATED AS "TBR" ARE TO BE REMOVED FROM THE SITE AND DISPOSED OFF-SITE OF IN ACCORDANCE WITH THE APPROPRIATE STANDARD, UNLESS INDICATED TO BE REMOVED AND SALVAGED. FOLLOWING REMOVAL, THE TRENCH SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH ON-SITE BORROW EXCAVATION IN LAWN AREAS, STRUCTURAL FILL UNDER BUILDINGS AND DENSE GRADED AGGREGATE UNDER PAVEMENTS/SIDEWALKS/HARD SURFACES.
2. SITE FEATURES DESIGNATED AS "AIP" ARE TO BE ABANDONED IN-PLACE IN THEIR ENTIRETY OR PARTIALLY ABANDONED IN-PLACE AS NECESSARY. IF THE UTILITY/CONDUITS ARE TO BE PARTIALLY ABANDONED, THEY SHALL BE SAW CUT AT EACH CONFLICT POINT AND REMOVED. CAP, VALVE, OR PLUG AND SEAL THE REMAINING PORTION OF THE UTILITY/CONDUIT AS SHOWN ON THE PLANS/DETAILS. THE AREA OF REMOVAL SHALL BE BACKFILLED WITH COMPACTED STRUCTURAL FILL UNDER BUILDINGS AND DENSE GRADED AGGREGATE UNDER OTHER UTILITIES/PAVEMENTS/SIDEWALK/ HARD SURFACES. ABANDONING IN-PLACE SHALL BE USED FOR UTILITIES/CONDUITS 8" IN DIAMETER OR LESS. UTILITIES LARGER THAN 8" SHALL BE REMOVED. ANY ALTERNATE MEANS OF ABANDONMENT SHALL BE APPROVED BY ENGINEER PRIOR TO STARTING RELATED WORK.
3. SITE FEATURES DESIGNATED AS "REMOVE AND SALVAGE" SHALL BE CAREFULLY DETATCHED FROM EXISTING CONSTRUCTION, IN A MANNER TO PREVENT DAMAGE, AND DELIVERED TO OWNER. INCLUDE FASTENERS, BRACKETS OR OTHER MATERIAL NEEDED FOR RE-ATTACHMENT ELSEWHERE BY THE OWNER.
4. UNDERGROUND STRUCTURES SUCH AS METER PIT(S), MANHOLES AND INLETS DESIGNATED WITH "TO BE ABANDONED IN-PLACE" SHALL HAVE COVERS, TOP SLABS OR UPPER CONE REMOVED AND THE BOTTOM OF THE STRUCTURES SHALL BE PERFORATED TO ALLOW FOR DRAINAGE FOLLOWING DECOMMISSIONING. THE STRUCTURES SHALL THEN BE BACK FILLED WITH ON-SITE BORROW EXCAVATION IN LAWN AREAS OR DENSE GRADED AGGREGATE UNDER PAVEMENTS/SIDEWALKS/HARD SURFACES. ABANDONING OF STRUCTURES UNDER THE BUILDING IS PROHIBITED. ALL UNDERGROUND STRUCTURES UNDER BUILDINGS SHALL BE REMOVED, BACKFILLED WITH STRUCTURAL FILL AND COMPACTED.
5. MANY OF THE UTILITIES SHOWN BETWEEN THE EAST AND WEST BUILDINGS WILL BE REPLACED BY NEW UTILITIES/CONDUITS WITHIN THE NEW ADDITION. AS SUCH THE UNDERGROUND UTILITIES AND CONDUITS CAN BE SEVERED AND ABANDONED IN-PLACE FOLLOWING DECOMMISSIONING OR TEMPORARY RELOCATION. CONTRACTOR SHALL VERIFY THAT UTILITIES HAVE BEEN SHUT OFF BEFORE STARTING REMOVAL/RELOCATION/ABANDONMENT OPERATIONS. IF REMOVAL, RELOCATION OR ABANDONMENT OF UTILITY SERVICES WILL AFFECT ADJACENT BUILDINGS, THEN PROVIDE TEMPORARY UTILITIES THAT BYPASS BUILDING AND STRUCTURES TO BE DEMOLISHED AND MAINTAIN CONTINUITY OF SERVICE TO OTHER BUILDING AND STRUCTURES. DO NOT INTERRUPT EXISTING UTILITIES SERVING ADJACENT BUILDINGS UNLESS AUTHORIZED BY THE OWNER OR AUTHORITIES HAVING JURISDICTION. SEE MEP PLANS FOR TEMPORARY RELOCATION OF UTILITIES BETWEEN EAST AND WEST BUILDINGS.

LEGEND

EXISTING		PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	FLARED END SECTION	
	DRAINAGE INLET	
	DRAINAGE MANHOLE	
	HEADWALL	
	SANITARY SEWER MANHOLE	
	FIRE HYDRANT	
	SIGN	
	UTILITY POLE	
	VALVE	
—W—	WATER MAIN	—W—
—G—	GAS MAIN	—G—
—E—	ELECTRIC LINE	—E—
—T—	TELEPHONE LINE	—T—
x 100.00	GRADE ELEVATION	x 100.00
100	CONTOUR ELEVATION	100
N/A	CONCRETE REMOVAL	
N/A	PAVEMENT REMOVAL	
N/A	TO BE REMOVED	TBR
N/A	PAVEMENT MILLING	
N/A	ABANDON IN PLACE	AIP

NEW JERSEY ONE CALL
811 Know what's below. Call before you dig. or 1-800-272-1000
TO LOCATE UNDERGROUND UTILITIES
IF YOU'RE GOING TO DIG, BLAST OR DRILL THREE (3) WORKING DAYS NOTICE
REMEMBER IT'S THE LAW!
Dig Safely.

ONE CALL
NEW JERSEY UNA LLAMADA
LLAME ANTES DE EXCAVAR
811 OR 1-800-272-1000
PARA LOCALIZAR LAS UTILIDADES SUBTERRÁNEAS SI USTED VA A EXCAVAR, ESTALLAR O TALADRAR, DE AVISO TRES (3) DIAS DE TRABAJO EN ANTICIPACIÓN
RECUERDE ES LA LEY!
EXCAVE CON SEGURIDAD
Dig Safely.

2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

Van Cleef ENGINEERING ASSOCIATES
Consulting Civil Engineering
Environmental Engineering
Municipal Engineering
Land Surveying
Professional Planning
Landscape Architecture
SOUTHCENTRAL NEW JERSEY OFFICE
4 AAA DRIVE, SUITE 103, HAMILTON, NJ 08691
EMAIL: VCSNJ@VCEA.ORG WEB: WWW.VCEA.ORG
PHONE (609) 689-1100 FAX (609) 689-1120
OFFICES THROUGHOUT NJ, EASTERN PA, AND DE
NJ LLC CERT. No. 24GA28132300

BY: [signature] DATE 3/26/21
HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 24GE04748700

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
[signature] Architect 3/26/2021 Date

FVHD architects planners
EST 1918
Fraytak Veisz Hopkins Duthie PC
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name
Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

Project Owner Name
Northern Burlington County Regional School District

Project Location
160 Mansfield Rd. East, Columbus, NJ 08022

Project Number
5086.9/1805MFD

Project Date
03.26.2021

Checked By
H.J.S./ D.F.F.F.

Drawn By
R.R.F.

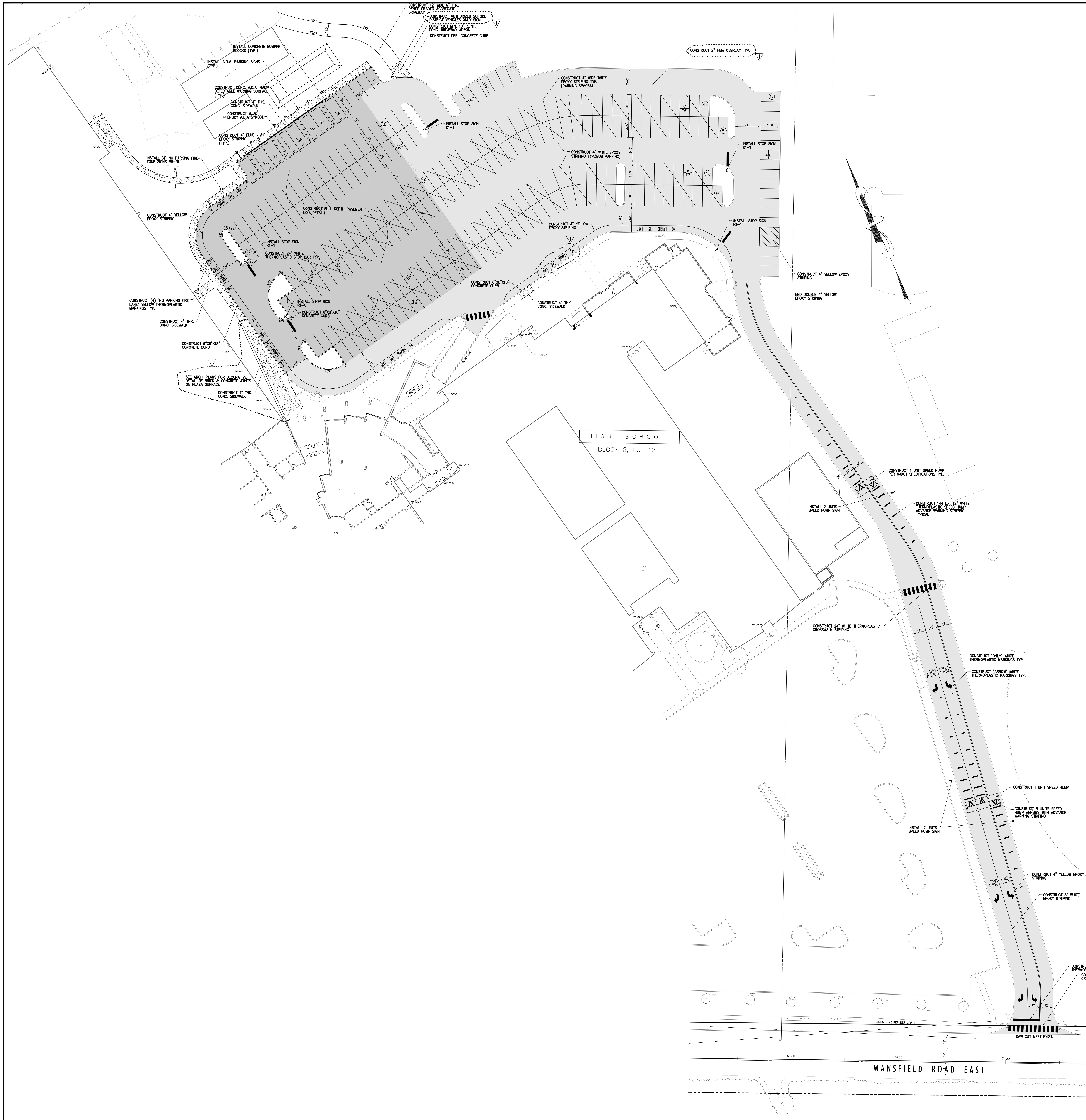
Scale
1"=30'

Drawing Name
DEMOLITION PLAN

Revisions

No.	Date	Description
1	04.12.21	ADDENDUM 1

Drawing Number
C-101



LIST OF UTILITIES:

VERIZON 609-954-7264
COMCAST 610-355-7264
NJAW 856-764-6924
PSEG ELEC. 800-436-7734
PSEG GAS. 609-239-2493

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ZONING DATA - R1 (RESIDENTIAL)

	REQUIRED	PROVIDED
LOT AREA	3 ACRES	125.5 ACRES (TOTAL)
LOT FRONTAGE	200 FT.	1,915.5 FT.
FRONT YARD SETBACK	50 FT.	150.2 FT.
SIDE YARD SETBACK	20 FT./ 50 FT.	319.5 FT.
MAXIMUM BLDG. COVERAGE	25%	5.49%
MAXIMUM BUILDING HEIGHT	35 FT.	50 FT. (VARIANCE REQUIRED)

LEGEND

EXISTING / PROPOSED

- SANITARY SEWER
- STORM SEWER
- FLARED END SECTION
- DRAINAGE INLET
- DRAINAGE MANHOLE
- HEADWALL
- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- SIGN
- UTILITY POLE
- VALVE
- WATER MAIN
- GAS MAIN
- ELECTRIC LINE
- TELEPHONE LINE
- GRADE ELEVATION
- CONTOUR ELEVATION
- CURB
- SIDEWALK
- FULL DEPTH PAVEMENT
- 2" HMA OVERLAY

NEW JERSEY ONE CALL
811 Know what's below. Call before you dig. or 1-800-272-1000
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IF YOU'RE GOING TO DIG, BLAST OR DRILL THREE (3) WORKING DAYS NOTICE
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Van Cleef ENGINEERING ASSOCIATES
Consulting Civil Engineering
Environmental Engineering
Municipal Engineering
Land Surveying
Professional Planning
Landscape Architecture
SOUTHCENTRAL NEW JERSEY OFFICE
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EMAIL: VCSNJ@VCEA.ORG WEB: WWW.VCEA.ORG
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OFFICES THROUGHOUT NJ, EASTERN PA, AND DE
NJ LLC CERT. No. 24GA28132300

BY: [signature] DATE 3/26/21
HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 24GE04748700

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200
[signature] Architect 3/26/2021 Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
EST 1918
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

Project Owner Name
Northern Burlington County Regional School District

Project Location
160 Mansfield Rd. East, Columbus, NJ 08022

Project Number
5086.9

Project Date
03.26.2021

Checked By
H.J.S./ D.F.F.

Drawn By
R.R.F.

Scale
1"=30'

Drawing Name
SITE PLAN

Revisions

No.	Date	Description
1	04.12.21	ADDENDUM 1

Drawing Number
C-102

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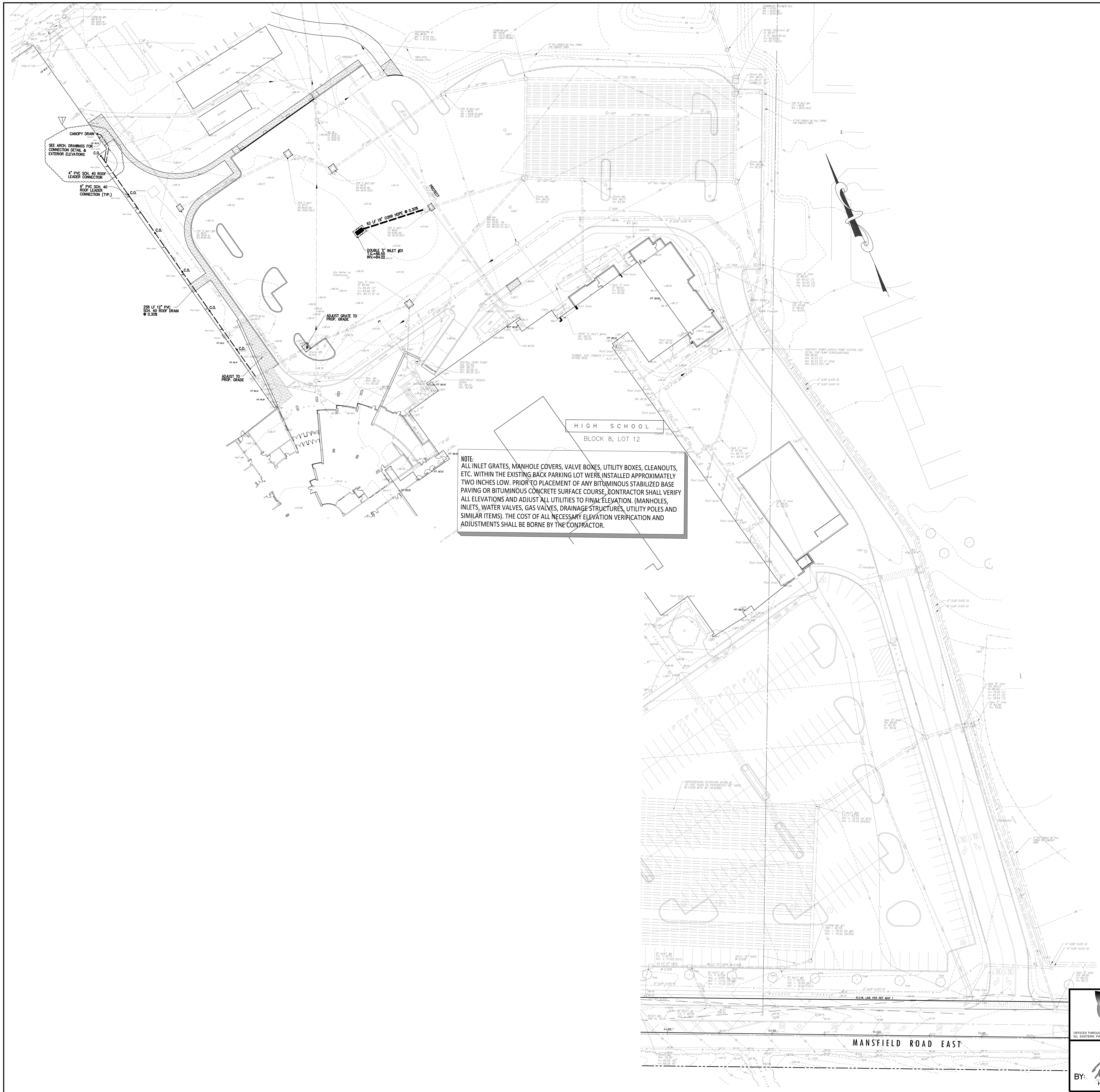

LIST OF UTILITIES:

VERIZON 609-954-7264
COMCAST 610-355-7264
NJAW 856-764-6924
PSEG ELEC. 800-436-7734
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1. GENERAL PARCEL PROPERTY MAP BLOCK 8, LOTS 10.02, 11.06, 11.07 AND 12 SITUATE IN MANSFIELD TOWNSHIP, BURLINGTON COUNTY, NEW JERSEY AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED OCT. 15, 2002.
2. MAP OF BOUNDARY, TOPOGRAPHIC, AND WETLANDS SURVEY PREPARED FOR LOTS 11.01, 11.03, 11.05, 11.06, 11.07 AMD 12 IN BLOCK 8 AS PREPARED BY VAN CLEEF ENGINEERING ASSOCIATES DATED FEB. 15, 1997 AND REVISED AUGUST 8, 1997.
3. SITE PLAN AND DETAILS PLUMBING PROJECT NO 780 ALTERATIONS AND ADDITIONS TO NORTHERN BURLINGTON REGIONAL HIGH SCHOOL AS PREPARED BY HAMNETT, BOUMAN & BLANCHE PA ARCHITECTS A.I.A. DATED 9/22/74 AS DRAWING P-1

REFERENCE DATUM:

1. DATUM USED BASED ON NAVD88 AND AN ASSUMED COORDINATE SYSTEM

GENERAL NOTES:

1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE SEARCH. THEREFORE THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT OF WAYS, COVENANTS, ETC. AS MAY BE DISCLOSED IN A CURRENT COMPREHENSIVE TITLE SEARCH.
2. THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A TITLE SURVEY.
3. THIS MAP REFLECTS EXISTING SITE CONDITIONS AS THE RESULT OF A FIELD SURVEY PERFORMED BY VAN CLEEF ENGINEERING ASSOCIATES ON 9/18/18.
4. THIS PLAN IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OF THE UNDERSIGNED PROFESSIONAL(S).
5. LOCATION OF ABOVE GROUND UTILITIES AS SHOWN.
6. NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
7. IT IS IMPERATIVE THAT UTILITY COMPANIES ARE NOTIFIED PRIOR TO ANY EXCAVATION AND/OR CONSTRUCTION. CALL **1-800-272-1000** TO ORDER UTILITY MARKOUTS
8. ALL DISTURBED AREAS TO BE STABILIZED WITH 5" TOPSOIL, SEED, FERTILIZER, LIME, SEED AND MULCH.
9. CONTRACTOR TO USE CARE TO PRESERVE EXISTING SIDEWALK TO REMAIN. ANY SIDEWALK DAMAGED BY CONTRACTOR SHALL BE REPLACED BY CONTRACTOR.

CONSTRUCTION NOTES:

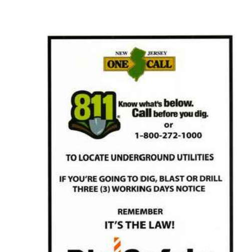
1. ALL TEMPORARY WORK (STAGING AREA, UTILITIES, ETC..) SHALL BE REMOVED WHEN CONSTRUCTION IS COMPLETED OR WHEN THE SAME ARE NO LONGER NEEDED. THE TEMPORARY WORK AREAS SHALL BE RESTORED TO THEIR ORIGINAL GRADE AND CONDITION OR PROPOSED GRADE AND CONDITIONS FOLLOWING THE WORK. CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO RESTORE TEMPORARY WORK AREAS.
2. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE NORTHERN BURLINGTON REGIONAL SCHOOL DISTRICT. SAFE PASSAGE FOR VEHICLES, PEDESTRIANS AND STUDENTS SHALL BE PROVIDED AT ALL TIMES. CONTRACTOR SHALL PROVIDE TEMPORARY FENCES, SIGNAGE AND SUITABLE WALKING SURFACES THAT MAY BE REQUIRED AT ALL TIMES DURING CONSTRUCTION. SEE ARCHITECTURAL PLANS.
3. ALL BACKFILL, FILL AREAS AND SUBGRADES SHALL BE COMPACTED UNLESS OTHERWISE NOTED ON THE PLANS AND/OR IN THE SPECIFICATIONS.
4. CONTRACTOR SHALL MAKE ALL TEMPORARY GRADING PROVISIONS DURING CONSTRUCTION TO ALLOW FOR THE CONTROL OF ALL RUNOFF FROM THE CONSTRUCTION SITE. TEMPORARY PIPES, GRADING AND PUMPING MAY BE REQUIRED AND SHALL BE PROVIDED ACCORDINGLY. THERE SHALL BE NO ADDITIONAL PAYMENT FOR TEMPORARY PIPING AND PUMPING.
5. ANY AND ALL SEDIMENT OR CONSTRUCTION MATERIALS TRACKED, WASHED OR SPILLED ONTO PAVEMENTS SHALL BE REMOVED IMMEDIATELY. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO PROTECTING THE EXISTING EAST POROUS PAVEMENT PARKING LOT DURING CONSTRUCTION. CONSTRUCTION VEHICLES ARE SPECIFICALLY PROHIBITED FOR USING THIS PARKING LOT. ANY AREAS OF POROUS PAVEMENT DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED IN-KIND AT CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL COORDINATE THE EXISTING GAS SERVICE ABANDONMENT (DONE BY PSE&G) AND SWITCHING OVER THE WEST BUILDING TO THE NEW SERVICE SO THAT THE SCHOOL WILL NOT HAVE INTERRUPTED GAS SERVICE.
7. IT IS IMPERATIVE THAT BOTH THE EAST AND WEST BUILDINGS RECEIVE UNINTERRUPTED GAS, WATER, ELECTRIC, CABLE, TELEPHONE AND SANITARY SEWER SERVICE DURING CONSTRUCTION. EVERY PROVISION HAS BEEN MADE ON THE PLANS TO THIS END HOWEVER, THE CONTRACTOR SHALL BECOME SUFFICIENTLY FAMILIAR WITH THE SITE, LOCATIONS OF UTILITIES, OPERATIONS OF UTILITIES AND SCHOOL SCHEDULE TO ASSURE UNINTERRUPTED SERVICE. CONTRACTOR SHALL MAKE ALL TEMPORARY PROVISIONS TO ASSURE THESE SERVICES THROUGHOUT THE PROJECT.
8. VERIZON FIBER AND COPPER LINE TO REMAIN IN-PLACE DURING CONSTRUCTION. SEE STRUCTURAL PLANS FOR DETAILS OF CONDUITS UNDER AND/OR THROUGH FOOTINGS AND FOUNDATION WALLS. CONTRACTOR TO COORDINATE THIS WORK WITH MR. ROBERT SASSE AT VERIZON, 609-954-4264, ROBERT.F.SASSE@VERIZON.COM.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING INFRASTRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL OF THE EXISTING INFRASTRUCTURE THE CONTRACTOR DAMAGED DURING THE PROJECT.
10. CAUTION SHOULD BE EXERCISED WHEN EXCAVATING ADJACENT TO EXISTING FOUNDATIONS. NEW FOOTINGS FOR THE PROPOSED ADDITION SHOULD BE FOUNDED AT THE SAME DEPTH AS THE EXISTING FOOTINGS SO AS NOT TO EXERT ADDITIONAL PRESSURE ON THE EXISTING FOUNDATION. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION NOT TO DISTURB THE SUBGRADE SOILS. SHOULD THE FOOTING SUBGRADE BE DISTURBED, THE LOOSENED SOIL SHOULD BE COMPACTED IN-PLACE. BACKFILLING AGAINST FOOTINGS AND UNDER FLOOR SLABS SHOULD BE ACCOMPLISHED USING STRUCTURAL FILL PLACED AND COMPACTED UNDER ENGINEERING INSPECTION. ANY WATER THAT ACCUMULATES IN THE BOTTOM OF THE EXCAVATION SHOULD BE REMOVED WITHIN 24 HOURS.
11. COMPACTION WITHIN 5 FEET FROM THE EXISTING FACILITIES SHOULD BE CONDUCTED USING A LIGHT COMPACTOR SUCH AS A "JUMPING JACK" IN ORDER NOT TO CAUSE ANY DAMAGE. THE SOIL SHOULD BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D 1557).
12. NO CERTIFICATION IS MADE BY VCEA AS TO THE ACTUAL UNDERGROUND POSITION OF ANY UTILITIES OR TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION ON THIS PROJECT. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF ANY CONFLICTS.
13. ALL EXCESS FILL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LAWS

UTILITY NOTES:

1. CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL SEPARATION OF 12" FOR ALL GAS MAINS, 6" FOR ALL WATER MAINS AT ALL UTILITY CROSSINGS; NOT INCLUDING SANITARY SEWER.
2. CONTRACTOR SHALL FOLLOW NJAC 7:14A-23 FOR VERTICAL AND HORIZONTAL SEPARATIONS OF SAN. SEWER AT ALL UTILITY CROSSINGS
3. MUNICIPAL/ STATE PERMITS WILL BE REQUIRED FOR GAS AND ELECTRICAL WORK. OTHER MUNICIPAL/ STATE PERMITS MAY BE REQUIRED FOR REMAINING SITE WORK. CONTRACTOR SHALL COORDINATE DIRECTLY TO OBTAIN ALL NECESSARY APPROVALS.
4. CONTRACTOR SHALL INSTALL THE LIGHT POLE FOUNDATIONS AND ELECTRICAL CONDUIT SO THAT THEY DO NOT INTERFERE WITH UNDERGROUND BASIN OR OTHER UTILITIES.
5. UNDERGROUND UTILITIES SHOWN ARE BASED OFF SCHOOL'S HISTORICAL MAPS, TOPOGRAPHIC FIELD SURVEYS AND GROUND PENETRATING RADAR. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF EXISTING UTILITIES TO WHICH THE CONNECTION IS BEING MADE BEFORE LAYING PIPE, CONDUIT, ETC. DESCREPANCIES SHALL BE REPORTED TO THE ENGINEER. IN CASES WHERE THE CONSTRUCTION OF UTILITIES CROSS PAVEMENT, SIDEWALK, UTILITIES. ETC. THE CONTRACTOR OR SURVEYOR STAKING SUCH ITEMS SHALL VERIFY THE ELEVATION AND CONFIRM NO CONFLICT EXISTS BETWEEN ANY SITE FEATURES PRIOR TO CONSTRUCTION. DESCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. TEST PITS TO BE PERFORMED AS REQUIRED AT NO ADDITIONAL COST.
6. CONTRACTOR SHALL MANAGE ALL WASTEWATER FLOW DURING INSTALLATION OF NEW SANITARY SEWER MAIN. CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS REQUIRED UNTIL ALL SANITARY SEWER WORK IS COMPLETED AND ACCEPTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CLEANUP, REPAIR, PROPERTY DAMAGE COSTS AND CLAIMS RESULTING FROM FAILURE OF THE DIVERSION SYSTEM.
7. CONTRACTOR SHALL FURNISH AND INSTALL FERNCO ADAPTER WITH STAINLESS STEEL SHEAR RINGS, OR EQUAL, AT THE TIE IN POINT OF ALL NEW AND EXISTING SEWER MAIN. THE CONNECTION SHALL BE UPSTREAM OF CLEANOUT AND ENCASED WITH CONCRETE.
8. CONTRACTOR SHALL MAINTAIN CONTINUITY OF STORMWATER SYSTEM DURING AND AFTER CONSTRUCTION. ALL PIPES FOUND MUST BE TIED INTO UNDERGROUND SYSTEM.
9. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES WHEN COMPLETING FULL DEPTH PAVEMENT CROSS SECTION. CONTRACTOR SHALL CONDUCT TEST PITS TO ENSURE UTILITIES ARE NOT DISTURBED/ BROKEN. ADDITIONAL COMPENSATION WILL NOT BE PROVIDED FOR UTILITY TEST PITS.

LEGEND

EXISTING		PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	FLARED END SECTION	
	DRAINAGE INLET	
	DRAINAGE MANHOLE	
	HEADWALL	
	SANITARY SEWER MANHOLE	
	FIRE HYDRANT	
	SIGN	
	UTILITY POLE	
	VALVE	
W	WATER MAIN	W
G	GAS MAIN	G
E	ELECTRIC LINE	E
T	TELEPHONE LINE	T
x 100.00	GRADE ELEVATION	x 100.00
100	CONTOUR ELEVATION	100
	CURB	
Conc.	SIDEWALK	
Pavement	PAVEMENT	



2019 N.J.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED OR SUPPLEMENTED SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT

Van Cleef ENGINEERING ASSOCIATES

Consulting Civil Engineering
Environmental Engineering
Municipal Engineering
Land Surveying
Professional Planning
Landscape Architecture

SOUTHCENTRAL NEW JERSEY OFFICE
4 AAA DRIVE, SUITE 103, HAMILTON, NJ 08691
EMAIL: VCSNJ@VCEA.ORG WEB: WWW.VCEA.ORG
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OFFICES THROUGHOUT NJ, EASTERN PA, AND DE

NJ LLC CERT. No. 24GA28132300

BY: [signature] DATE 3/26/21
HERBERT J. SEEBURGER, JR. N.J. PROFESSIONAL ENGINEER NO. 24GE04748700

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21AI01706000 | PA - RA012520X
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21AI01299200

[signature] 3/26/2021
Architect Date

FVHD architects planners
Fraytak Veisz Hopkins Duthie PC
EST 1918
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08628
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
FVHDPC.COM

Project Name
Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

Project Owner Name
Northern Burlington County Regional School District

Project Location
160 Mansfield Rd. East, Columbus, NJ 08022

Project Number
5086.9

Project Date
03.26.2021

Checked By
H.J.S./ D.F.F

Drawn By
R.R.F.

Scale
1"=30'

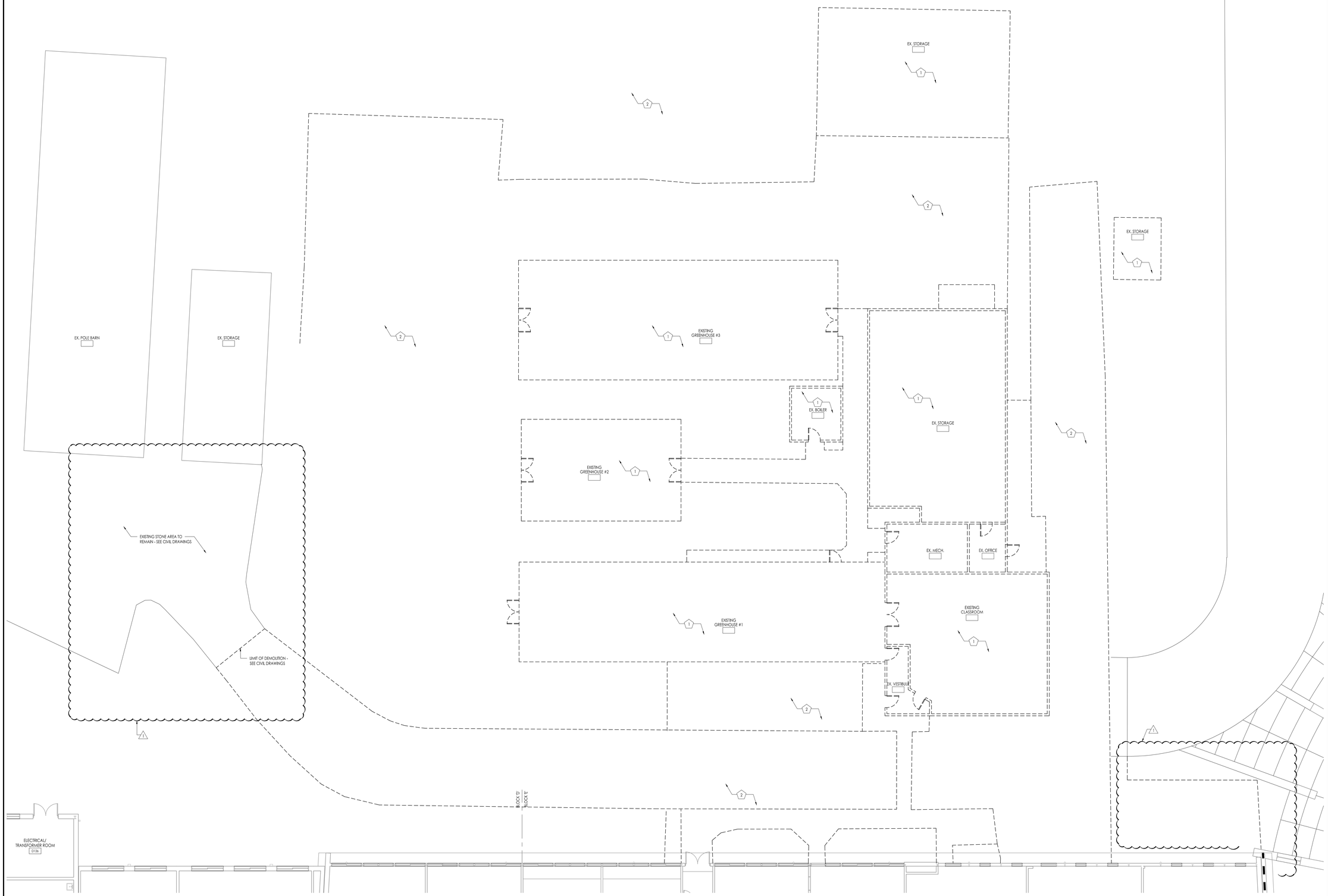
Drawing Name
UTILITY PLAN

Revisions

No.	Date	Description
1	04.12.21	ADDENDUM 1

Drawing Number
C-104

F:\jobfile\1805MFD.5086.9\DWG\EN-1805MFD.5086.9.dwg



Demolition Plan - Existing Greenhouses and Outbuildings

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

DEMOLITION / RENOVATION NOTES:

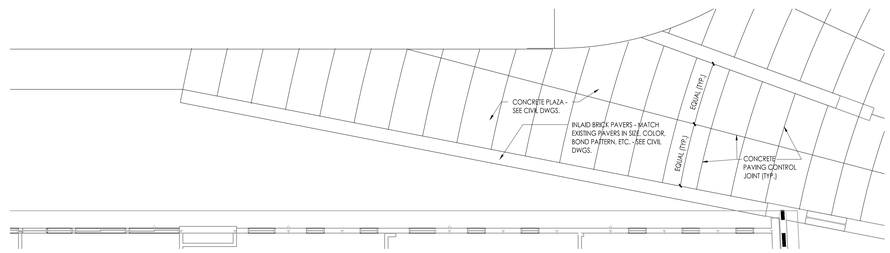
SEE GENERAL NOTES ON DEMOLITION ON DRAWING AG002.

THESE DEMOLITION / RENOVATION NOTES ARE KEYED TO WORK SHOWN ON THIS DRAWING ONLY. DO NOT REFERENCE THESE NOTES FROM ANY OTHER DRAWING.

GENERAL NOTE: THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

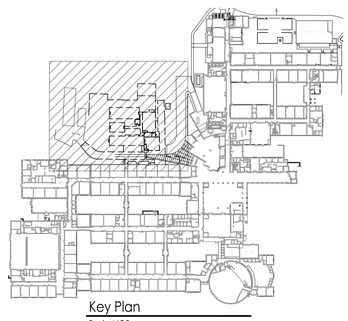
EXTERIOR / BUILDING

1. DEMOLISH AND REMOVE EXISTING BUILDING IN ITS ENTIRETY, INCLUDING COLUMNS, FLOOR SLAB, FOUNDATION AND FOOTINGS. ALL PLUMBING / HVAC / ELECTRICAL DEMOLITION WORK BY RESPECTIVE TRADE SUB CONTRACTOR. ALL OTHER DEMOLITION WORK BY GENERAL CONSTRUCTION PRIME CONTRACTOR. INFILL ALL VOIDS REMAINING IN SOIL AFTER DEMOLITION. COMPACT PER CIVIL DRAWINGS / SPECIFICATIONS AS REQUIRED FOR NEW PARKING LOT CONSTRUCTION.
2. SEE SITE WORK DRAWINGS FOR ALL SITE WORK DEMOLITION WORK IN THIS AREA. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY SITE WORK DEMOLITION TO MATCH EXISTING ADJACENT SURFACES.
3. NOT USED.



Partial Plan - Extension of Existing Plaza

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



Key Plan

Scale: N.T.S.

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01706000 | PA - RA015230
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A01809000
Architect

Date 3/26/2021

FVHD architects planners
EST. 1905
Fraytak Veisz Hopkins Duthie P.C.
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453
F V H D P C . C O M

Project Name

Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

Project Owner Name

Northern Burlington County Regional School District

Project Location

160 Mansfield Rd. East, Columbus, NJ 08022

Project Number: 5086.9

Project Date: 03.26.2021

Checked By: W.D.H.

Drawn By: NEH

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

Drawing Name

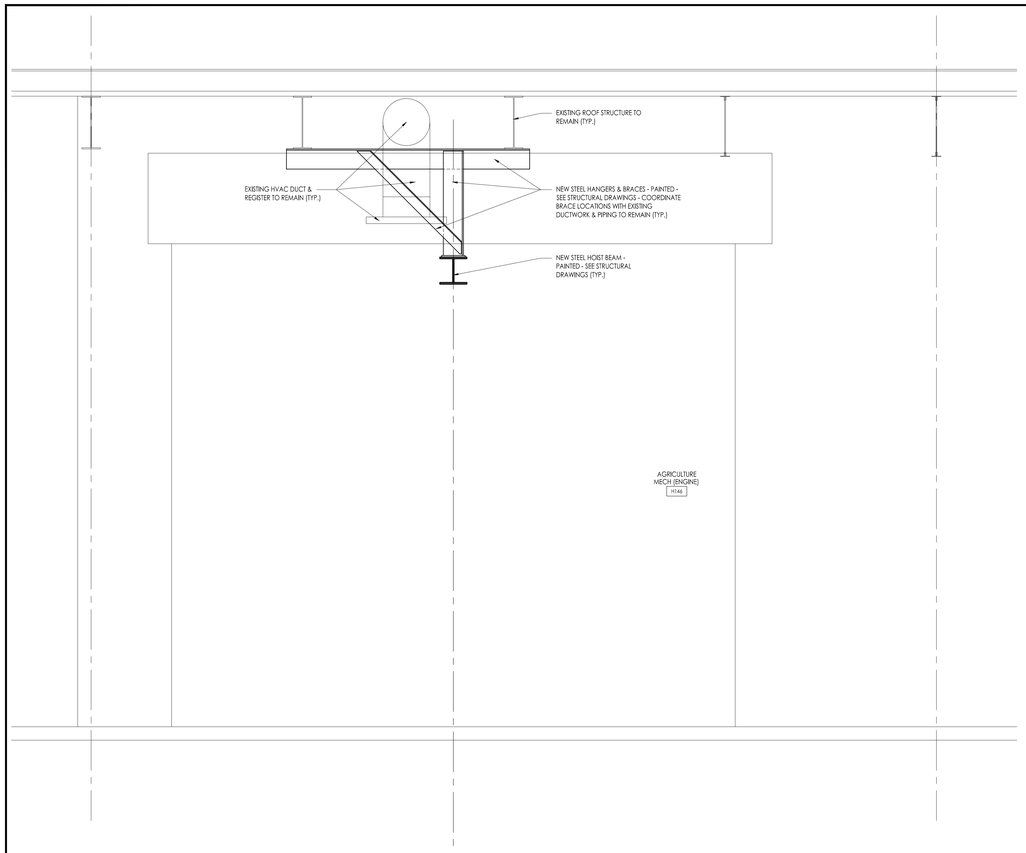
Demolition Plan - Existing Greenhouses and Outbuildings

Revisions

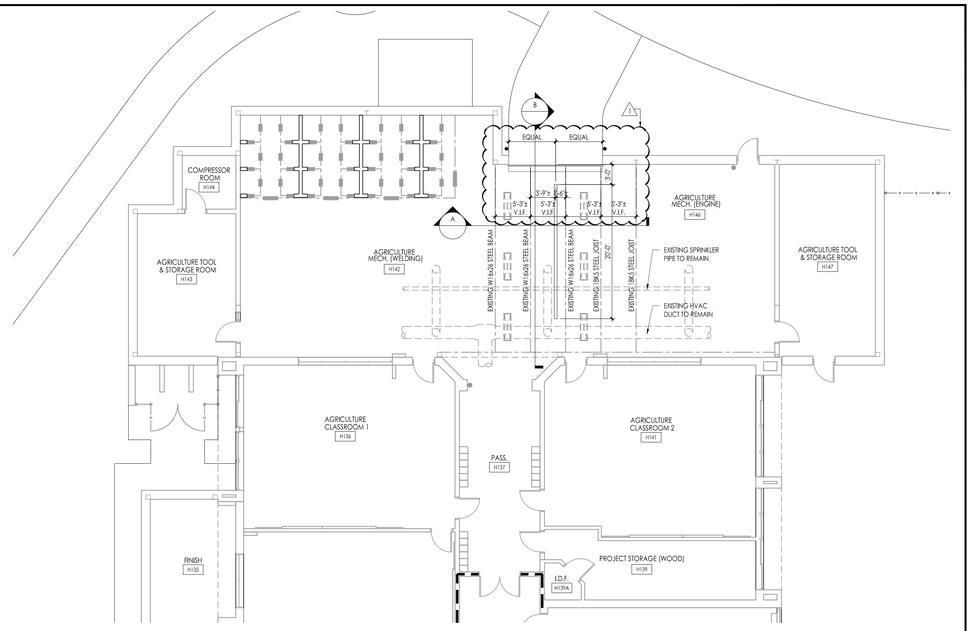
No.	Date	Description
1	4/12/21	Addendum 1

Drawing Number

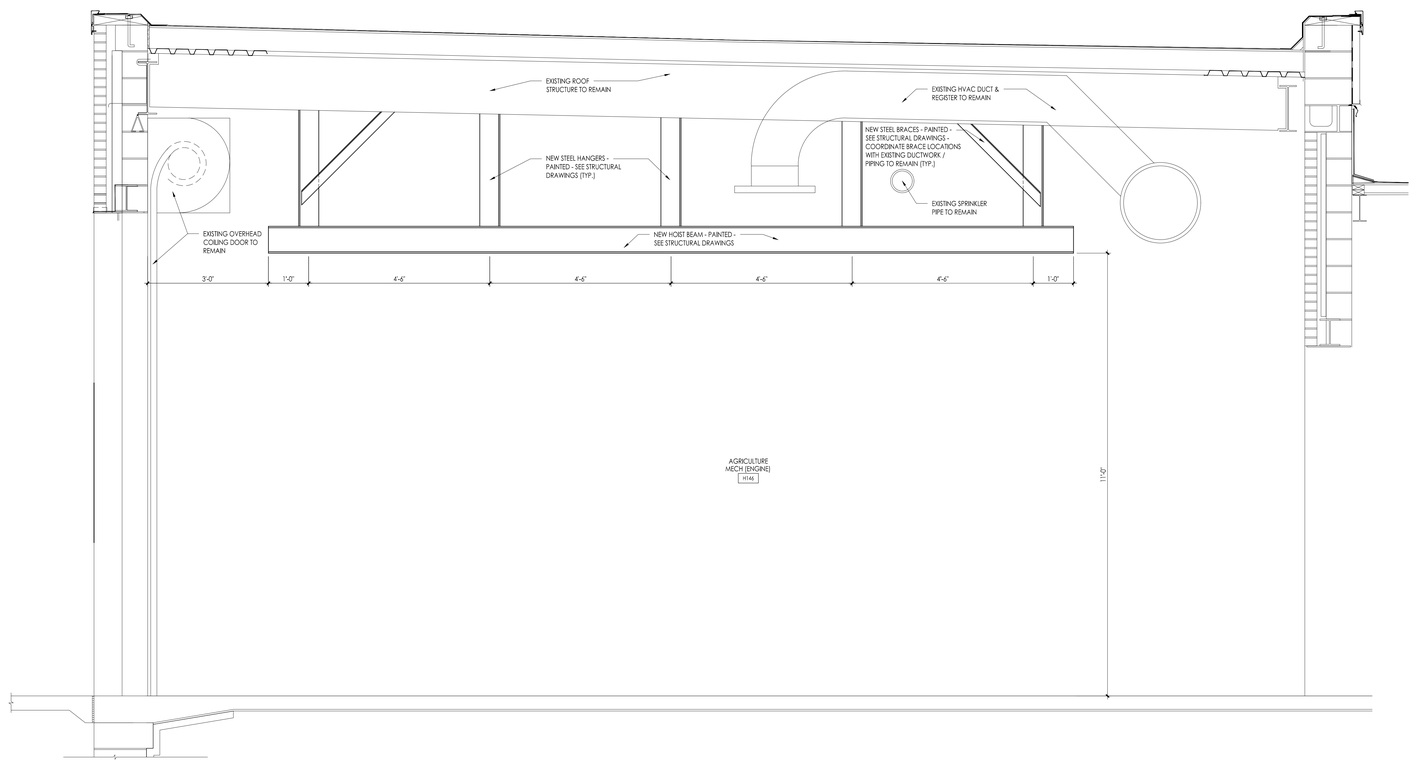
A102



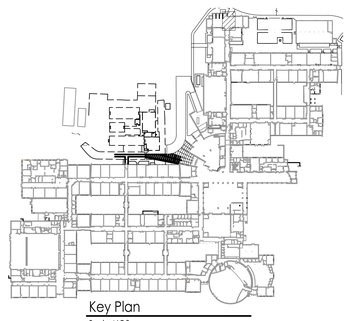
A Wall Section
Scale: 3/4 = 1'-0"



Floor Plan - Agriculture Mech (Engine) H146
Scale: 1/8" = 1'-0"



B Wall Section
Scale: 3/4 = 1'-0"



Key Plan
Scale: N.T.S.

WILLIAM D. HOPKINS III, AIA, LEED AP
NJ - 21A01750000 | PA - 042172520
GEORGE R. DUTHIE JR., AIA, PP
NJ - 21A01739000
Architect
5/28/2021
Date
FVHDPC.COM
FVHD architects planners
Fraytak Veisz Hopkins Duthie P C
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618
Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453

Project Name
Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School

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Project Location
160 Mansfield Rd. East, Columbus, NJ 08022

Project Number
5086.9

Project Date
03.26.2021

Checked By
W.D.H.

Drawn By
NEH

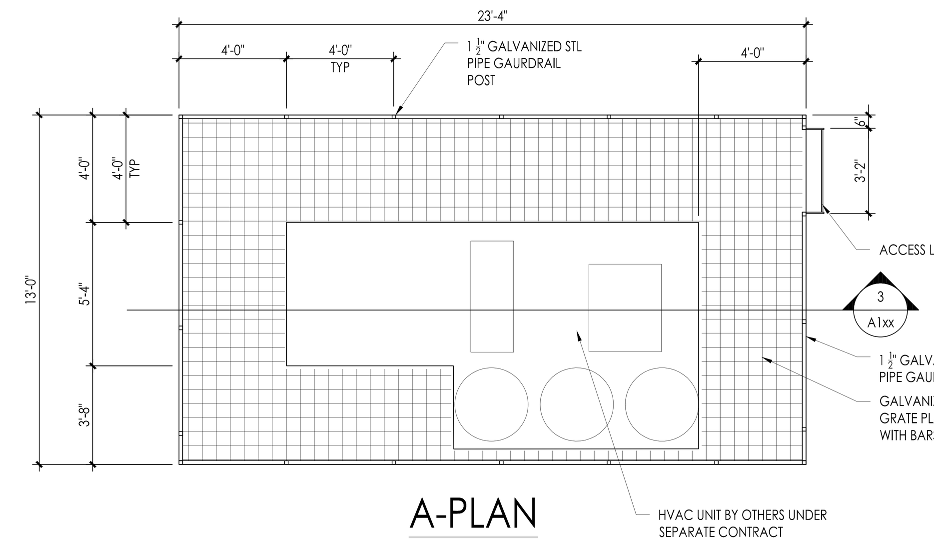
Scale
As Noted

Drawing Name
New Hoist Beam at Agriculture / Mech (Engine) H146

Revisions

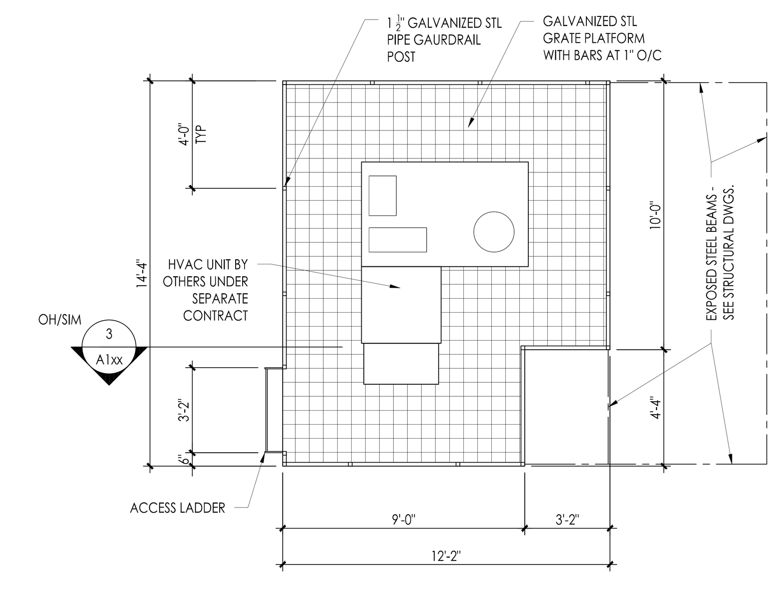
No.	Date	Description
1	4/12/21	Addendum 1

Drawing Number
A103



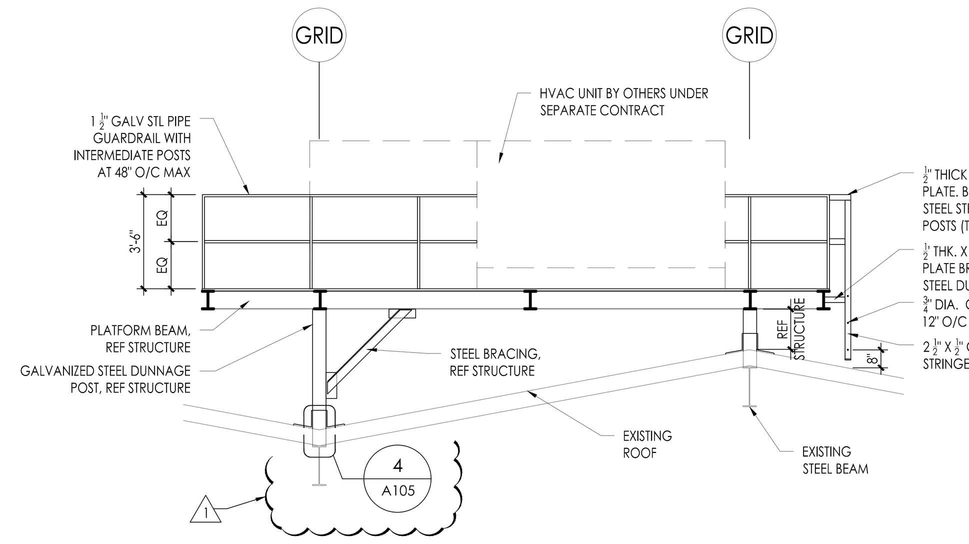
1 STEEL PLATFORM AT RTU-16

Scale: 1/4" = 1'-0"



2 STEEL PLATFORM AT RAC-20

Scale: 1/4" = 1'-0"

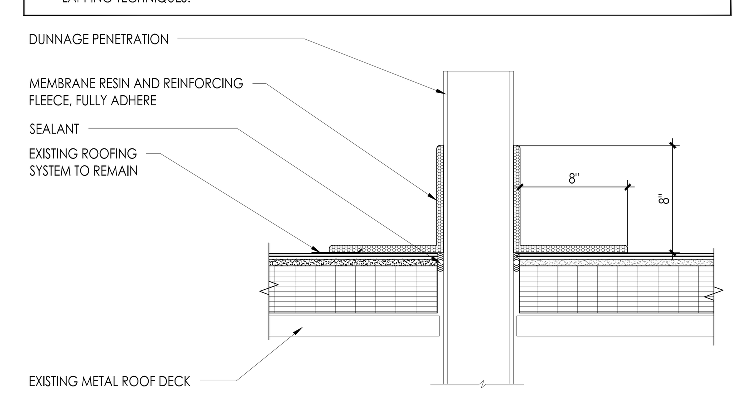


3 SECTION AT STEEL PLATFORM

Scale: 1/4" = 1'-0"

NOTES

1. BEFORE APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING MEMBRANE, OR ELASTOMERIC SEALANT SHOULD BE USED TO FILL VOIDS WHERE ROOFING MEMBRANES TERMINATE AT PENETRATIONS.
2. REFER TO MANUFACTURES PREPARATION GUIDELINES FOR PROPER SURFACE TREATMENT OF ALL MATERIALS PRIOR TO APPLICATION OF MEMBRANE RESIN AND REINFORCING FLEECE FLASHING.
3. MEMBRANE RESIN AND REINFORCING FLEECE CANNOT BE APPLIED OVER MEMBRANE OR OTHER MATERIALS CONTAINING UNCURED, SOLVENT- BASED MATERIALS
4. REFER TO MANUFACTURES FLEECE CUTTING RECOMMENDATIONS FOR CONFIGURATIONS, CUTTING, FOLDING, AND LAPPING TECHNIQUES.



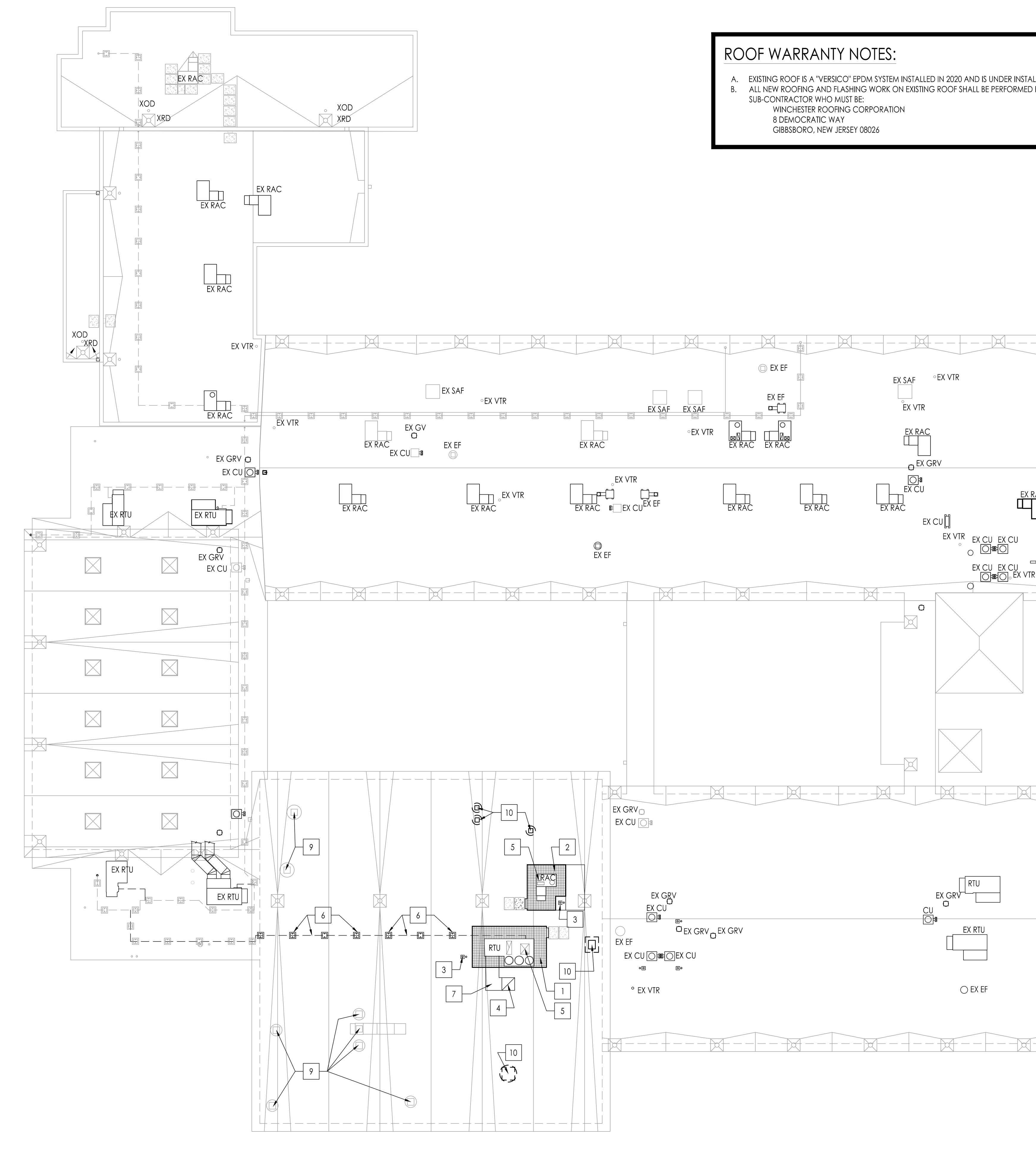
4 TYPICAL DUNNAGE DETAIL

Scale: 1-1/2" = 1'-0"

1

ROOF WARRANTY NOTES:

A. EXISTING ROOF IS A "VERSICO" EPDM SYSTEM INSTALLED IN 2020 AND IS UNDER INSTALLER'S WARRANTY.
B. ALL NEW ROOFING AND FLASHING WORK ON EXISTING ROOF SHALL BE PERFORMED BY A ROOFING SUB-CONTRACTOR WHO MUST BE:
WINCHESTER ROOFING CORPORATION
8 DEMOCRATIC WAY
GIBBSBORO, NEW JERSEY 08026



Roof Plan - East Building

Scale: 1" = 20'-0"

CONSTRUCTION NOTES

1 CONSTRUCT DUNNAGE PLATFORM AT NEW ROOFTOP UNIT - SEE DETAIL 1 ON THIS DRAWING. PLATFORM GRATE, RAILINGS AND LADDERS SHALL BE PROVIDED AND INSTALLED BY OTHERS UNDER SEPARATE CONTRACT. CONTRACTORS SHALL COORDINATE LOCATION AND DIMENSIONS.

2 CONSTRUCT DUNNAGE PLATFORM AT NEW ROOFTOP AC UNIT - SEE DETAIL 2 ON THIS DRAWING. PLATFORM GRATE, RAILINGS AND LADDERS SHALL BE PROVIDED AND INSTALLED BY OTHERS UNDER SEPARATE CONTRACT. CONTRACTORS SHALL COORDINATE LOCATION AND DIMENSIONS.

3 PIPE CURB - PIPE CURBS SHALL BE PROVIDED AND INSTALLED BY OTHERS UNDER SEPARATE CONTRACT(S). PIPING, CONDUIT, ETC. BY OTHERS UNDER SEPARATE CONTRACT(S). THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

4 EXISTING CURB TO REMAIN. CURB WAS FLASHED AND CAPPED DURING SUMMER 2020 ROOFING REPLACEMENT PROJECT. NEW DUCT CONNECTION TO EXISTING CURB BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT. THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

5 NEW CURBS. CURBS AND FLASHINGS BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT. THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

6 ROOF TOP PIPE SUPPORT - GAS PIPE, PIPE SUPPORT AND WALKWAY PAD BY PLUMBING PRIME CONTRACTOR UNDER SEPARATE CONTRACT. THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

7 ROOF TOP DUCTWORK - DUCTWORK AND SUPPORT FROM NEW DUNNAGE BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT. THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

8 NOT USED.

9 EXISTING ROOFTOP EQUIPMENT TO REMAIN - NO WORK AT THESE LOCATIONS.

10 EXISTING ROOFTOP EQUIPMENT TO BE REMOVED - EXISTING EQUIPMENT WILL BE REMOVED AND EXISTING CURB CAPPED BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT. THIS NOTE IS PROVIDED FOR INFORMATION AND COORDINATION ONLY.

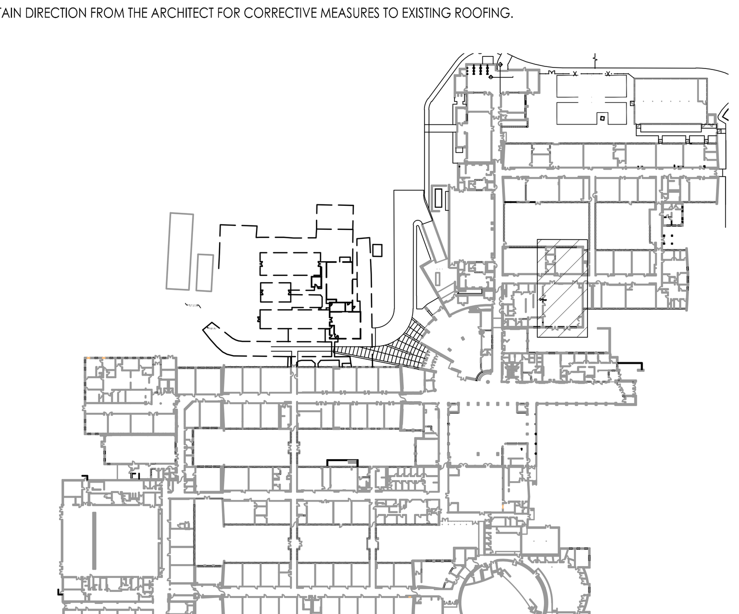
1

ROOFING AND FLASHING RESPONSIBILITY NOTES:

1. AT EXISTING ROOFING SYSTEMS:
- 1.1. ALL PROJECT PRIME CONTRACTORS, INCLUDING SEPARATE CONTRACTS, ARE REQUIRED TO COORDINATE TIMING OF CONSTRUCTION TO CREATE AND MAINTAIN WEATHERTIGHT CONDITIONS.
- 1.2. SEE ROOF WARRANTY NOTES ON THIS DRAWING.
- 1.3. AT NEW DUNNAGE PLATFORMS
  - 1.3.1. STEEL BEAMS AND COLUMNS FOR NEW DUNNAGE PLATFORMS SHALL BE CONSTRUCTED BY THE GENERAL PRIME CONTRACTOR UNDER THIS CONTRACT.
  - 1.3.2. ALL ROOFING, FLASHING AND PATCHING WORK SHALL BE PERFORMED BY GENERAL PRIME CONTRACTOR'S ROOFING SUBCONTRACTOR UNDER THIS CONTRACT.
  - 1.3.3. PLATFORM GRATE, RAILINGS AND LADDERS SHALL BE PROVIDED AND INSTALLED BY OTHERS UNDER SEPARATE CONTRACT.
- 1.4. AT NEW CURBS
  - 1.4.1. ALL CURBS SHALL BE PROVIDED / INSTALLED BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.4.2. NEW OPENINGS IN EXISTING ROOF DECK, INCLUDING STRUCTURAL STEEL SUPPORT, SHALL BE CONSTRUCTED BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.4.3. ALL ROOFING AND FLASHING WORK, INCLUDING PATCHING AND REPAIR OF EXISTING ROOFING, NEW BASE FLASHING, ETC. SHALL BE THE RESPONSIBILITY OF THE HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
- 1.5. AT EXISTING OR ADAPTED CURBS
  - 1.5.1. ALL MODIFICATIONS TO EXISTING CURBS SHALL BE BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.5.2. ALL ROOFING AND FLASHING WORK, INCLUDING PATCHING AND REPAIR OF EXISTING ROOFING, EXISTING BASE FLASHING, ETC. SHALL BE THE RESPONSIBILITY OF THE HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
- 1.6. AT ROOFTOP DUCTS
  - 1.6.1. ALL DUCT WORK, INCLUDING DUCT SUPPORTS, SHALL BE PROVIDED / INSTALLED BY HVAC CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.6.2. ALL REQUIRED WALKWAY PADS AND OTHER ROOFING AND FLASHING WORK SHALL BE THE RESPONSIBILITY OF THE HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
- 1.7. AT GAS PIPING
  - 1.7.1. ALL GAS PIPING, INCLUDING PIPE SUPPORTS, SHALL BE PROVIDED / INSTALLED BY PLUMBING CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.7.2. ALL WALKWAY PADS AND OTHER ROOFING AND FLASHING WORK SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR UNDER SEPARATE CONTRACT.
- 1.8. AT PIPE CURBS
  - 1.8.1. PIPE CURBS SHALL BE PROVIDED / INSTALLED BY OTHERS UNDER SEPARATE CONTRACT(S).
  - 1.8.2. ALL ROOFING, FLASHING AND PATCHING WORK SHALL BE THE RESPONSIBILITY OF THE SEPARATE CONTRACTOR(S).
  - 1.8.3. ALL PLUMBING PIPES, ETC. THAT PASS THRU PIPE CURBS SHALL BE PROVIDED / INSTALLED BY PLUMBING PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.8.4. ALL REFRIGERANT LINES AND OTHER HVAC-RELATED PIPES, CONDUITS, ETC. THAT PASS THRU PIPE CURBS SHALL BE PROVIDED / INSTALLED BY HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.8.5. ALL ELECTRICAL CONDUITS, ETC. THAT PASS THRU PIPE CURBS SHALL BE PROVIDED / INSTALLED BY ELECTRICAL PRIME CONTRACTOR UNDER SEPARATE CONTRACT.
- 1.9. AT EXISTING EQUIPMENT TO BE REMOVED
  - 1.9.1. DISCONNECTION AND REMOVAL OF INDICATED ROOFTOP EQUIPMENT AND CAPPING OF EXISTING CURB OPENING TO REMAIN SHALL BE BY HVAC CONTRACTOR UNDER SEPARATE CONTRACT.
  - 1.9.2. ANY ROOFING AND FLASHING WORK, INCLUDING PATCHING AND REPAIR OF EXISTING ROOFING, EXISTING BASE FLASHING, ETC. SHALL BE THE RESPONSIBILITY OF THE HVAC PRIME CONTRACTOR UNDER SEPARATE CONTRACT.

GENERAL CONSTRUCTION NOTES

A. PROVIDE ROOFING MATERIALS THAT COMPLY WITH A CLASS "A" SYSTEM.
B. ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND WITH ALL AGENCIES HAVING JURISDICTION.
C. INSTALL WATER DIVERTING CRICKETS ON HIGH SIDE OF ROOF AT NEW ROOFTOP CURBS.
D. FRT WOOD BLOCKING SHOWN ON DRAWINGS IS DIAGRAMMATIC. PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING CONSTRUCTION IN THICKNESS AND HEIGHT TO MATCH THICKNESS OF INSULATION AND/OR TAPERED INSTALLATION AS RECOMMENDED BY ROOFING MANUFACTURER AND TO MAINTAIN A CONSTANT ROOF EDGE ELEVATION IN A HORIZONTAL PLANE UNLESS NOTED OTHERWISE.
E. ALL CONDITIONS MEETING THE ROOF SURFACE PERPENDICULAR MUST HAVE A MINIMUM 8" FLASHING HEIGHT.
F. DO NOT SCALE THE DRAWINGS.
G. NOT USED.
H. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL GOOD ROOFING PRACTICES INCLUDING THOSE SET FORTH BY THE ROOFING MATERIALS' MANUFACTURER, THE SMACNA SHEET METAL MANUAL, FACTORY MUTUAL, UNDERWRITERS LABORATORIES, AND THE NRCA'S ROOFING AND WATERPROOFING MANUAL.
I. THE CONTRACTOR IS RESPONSIBLE FOR FLASHING ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS ON THE ROOFS TO A WATERTIGHT CONDITION TO BE INCLUDED IN THE MANUFACTURER'S WARRANTY. REVIEW ALL DRAWINGS INCLUDED IN THIS SET FOR ROOFTOP PENETRATIONS.
J. NOT USED.
K. NOT USED.
L. 1. PRIME ALL SURFACES WHICH ARE TO RECEIVE BITUMINOUS ROOFING.
2. INSTALL ENVELOPE EDGES TO ELIMINATE THE POTENTIAL FOR BITUMEN AND ADHESIVE DRIPPAGE INTO THE BUILDING.
3. ALL WOOD BLOCKING TO BE FRT, (FIRE RETARDANT LUMBER)
M. CONTRACTOR SHALL AT ALL TIMES HAVE A FULL SET OF DRAWINGS AND SPECIFICATIONS ON ROOF TOP WHILE WORK IS IN PROGRESS.
N. CONTRACTOR RESPONSIBLE TO RECTIFY ANY PONDING WATER ON FINISHED ROOF SURFACE THAT REMAINS AFTER 48 HOURS AT NO ADDITIONAL COST .
O. DETAILS NOTED TYPICAL "TYP" IMPLY ALL SUCH CONDITIONS BE TREATED SIMILARLY.
P. THE SUBCONTRACTOR SHALL VERIFY THE EXACT LOCATION, DIMENSION, AND QUANTITY OF ALL ROOFTOP EQUIPMENT AND APPURTENANCES WHICH INCLUDES, BUT ARE NOT LIMITED TO: HVAC CURBS, DUNNAGE, GAS PIPING, ROOFTOP DUCTWORK, BASE FLASHING AND OTHER PENETRATIONS AND WORK ASSOCIATED WITH THIS ROOF PROJECT. INCORPORATE SAME IN THE ROOF INSULATION SHOP DRAWING SUBMITTAL.
Q. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM HIS DEMOLITION CAREFULLY CAUSING NO DAMAGE TO EXISTING MATERIALS. ANY EXISTING FINISHES OR CONSTRUCTION DAMAGED BY THE CONTRACTOR WILL BE HIS RESPONSIBILITY TO REPAIR TO THE SATISFACTION OF THE ARCHITECT AT NO ADDITIONAL COST TO OWNER. PRIOR TO THE COMMENCEMENT OF WORK, ARCHITECT & CONTRACTOR WILL INSPECT PROJECT AND NOTE EXISTING DAMAGES TO FINISHES OR CONSTRUCTION. REF 6/A147 AND 7/A147 FOR DECK INFILL AT REMOVED ROOF TOP EQUIPMENT.
R. CONTRACTOR SHALL MAKE NECESSARY TIE-INS AND ALTERATIONS TO EXISTING ROOF IN ACCORDANCE WITH ORIGINAL ROOF MANUFACTURERS REQUIREMENTS, SO AS TO MAINTAIN ORIGINAL WARRANTY ON EXISTING ROOF.
S. NOT USED.
T. ALL TAGGED DETAILS ARE TYPICAL FOR THE ITEM OR SYSTEM INDICATED. THE SCOPE OF WORK INDICATED AS PART OF THE TAG OR DETAIL MARK SHALL APPLY TO ALL OTHER SIMILAR SYMBOLS OR ITEMS.
U. THE EXISTING BUILDING IS OCCUPIED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF ALL PERSONS AT THE PROJECT SITE.
V. FOR PURPOSES OF THIS PROJECT, REMOVE SHALL MEAN REMOVE AND DISPOSE OF SAME OFF SITE IN AN APPROVED AND LEGAL MANNER.
W. THE TERM 'TYP' FOLLOWING A NOTE, TAG, OR DETAIL FLAG INDICATED THAT ALL LIKE, SIMILAR, OR INDICATED ITEMS SHALL BE PROVIDED WITH THE SPECIFIED DETAIL, NOTE, OR SPECIFICATION.
X. NOT USED.
Y. NOT USED.
Z. NOT USED.
AA. AT ALL LOCATIONS OF NEW ROOFTOP EQUIPMENT ON EXISTING ROOFS, UNITS SHALL NOT BE PLACED SUCH THAT THE FREE FLOW OF WATER TO THE DRAINS IS IMPEDED, SUCH AS CURBS ADJACENT TO THE VALLEY LINES OF EXISTING CRICKETS / GUSSETS. IF A UNIT CANNOT BE PLACED IN COMPLIANCE WITH THE ABOVE FOR STRUCTURAL REASONS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ARCHITECT FOR CORRECTIVE MEASURES TO EXISTING ROOFING.



Key Plan

Scale: N.T.S.

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Project Name	Site Work, Existing Building & Greenhouse Demolition and Miscellaneous Renovations at Northern Burlington County Regional High School
Project Owner Name	Northern Burlington County Regional School District
Project Location	160 Mansfield Rd. East, Columbus, NJ 08022
Project Number	5086.9
Project Date	03.26.2021
Checked By	W.D.H.
Drawn By	NEH
Scale	As Noted
Drawing Name	Steel Dunnage at RTU-16 & RAC-20

Revisions

No.	Date	Description
1	4/12/21	Addendum 1

Drawing Number

A105