

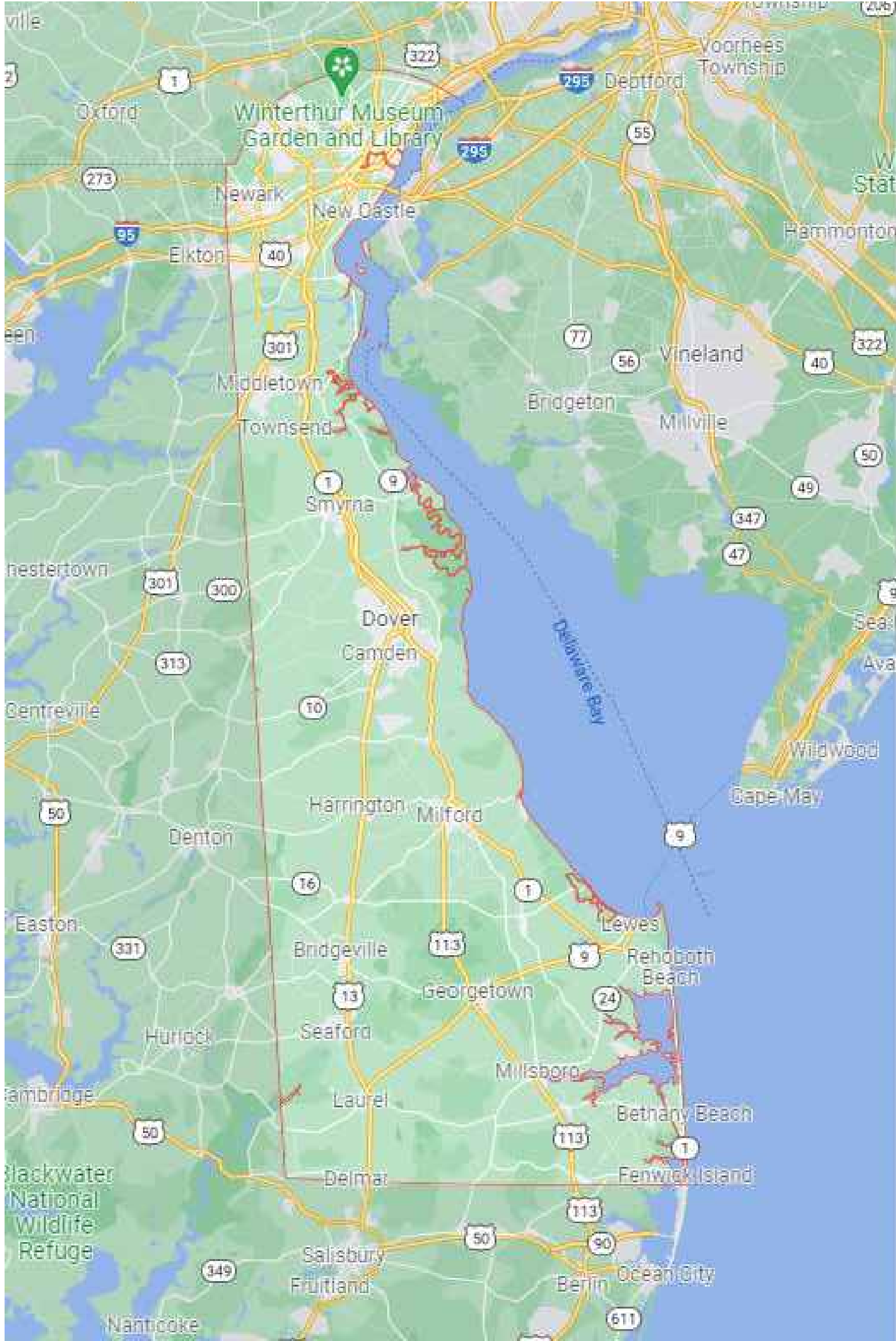
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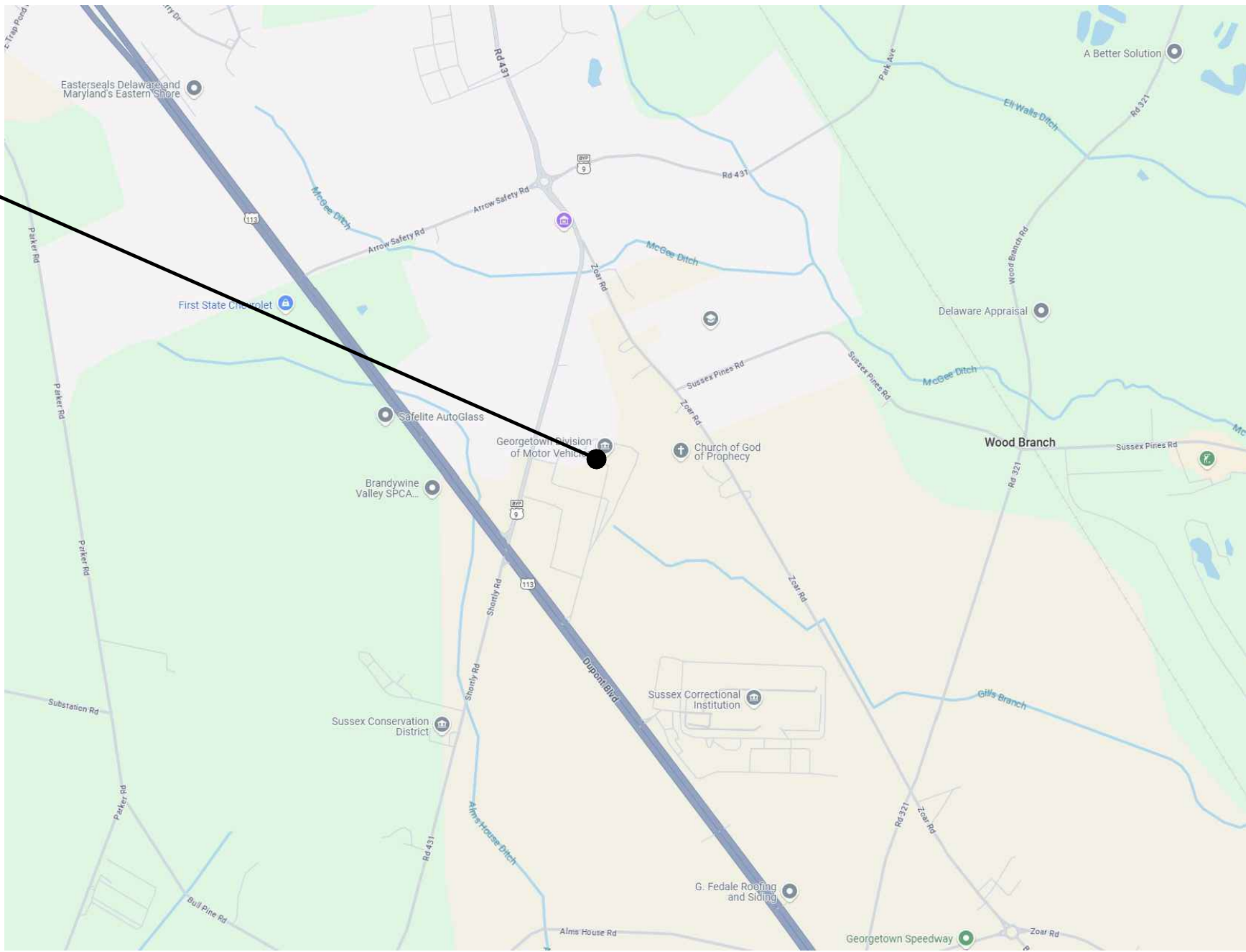
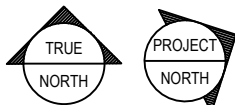
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DATE OF SIGNATURE: _____
DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
MC5511000076
PAY LANE EXPANSION
AT
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19947

PROJECT LOCATION MAPS

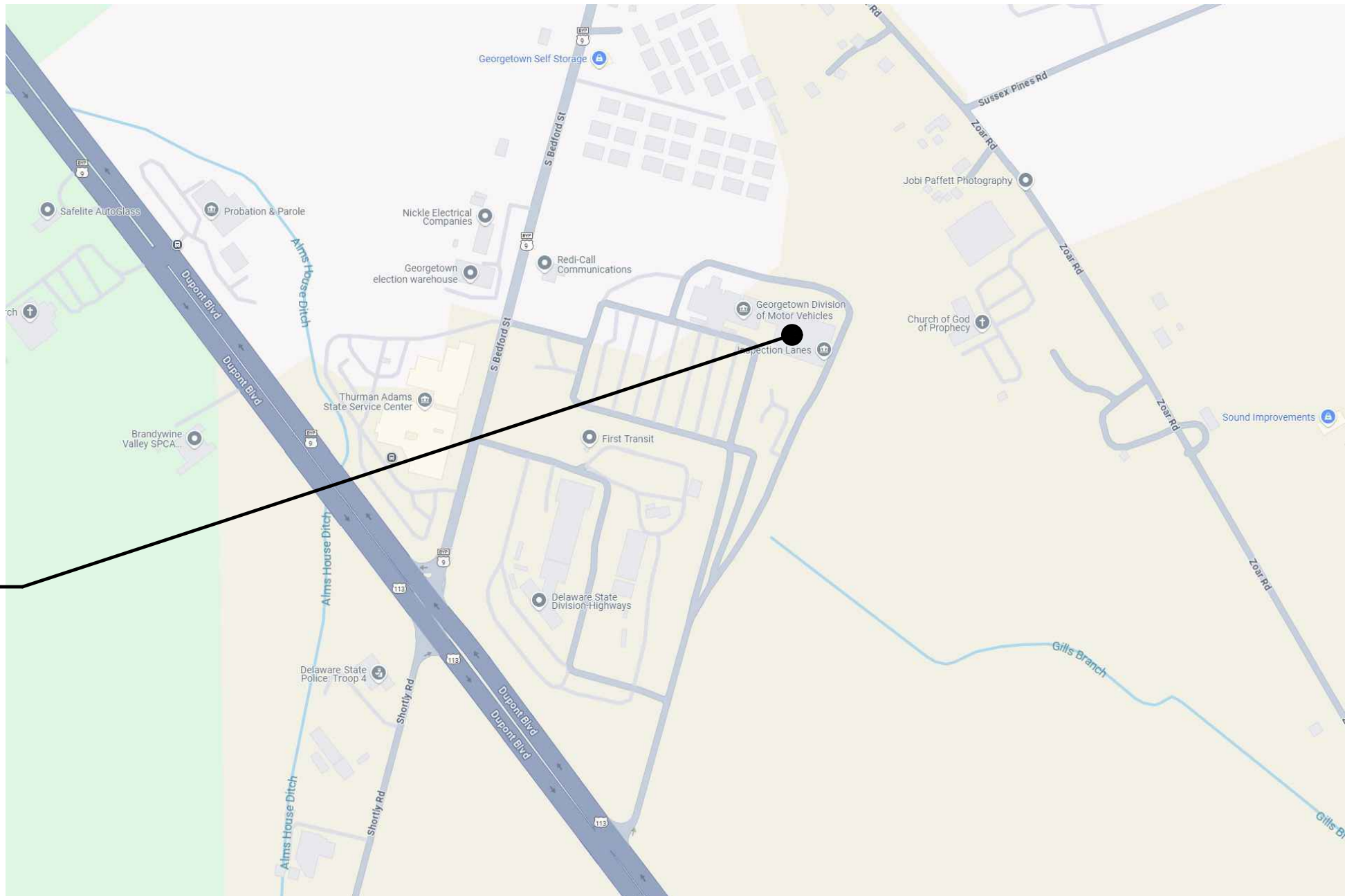
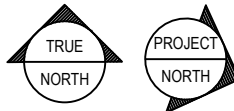


LOCATION MAP



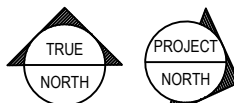
GEORGETOWN DIVISION OF MOTOR VEHICLE

AREA MAP



GEORGETOWN DIVISION OF MOTOR VEHICLE

SITE MAP



DRAWING INDEX

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CONSULTANT

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SIGNATURE: _____
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ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
MC5511000076
PAY LANE EXPANSION
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

COVER SHEET

ISSUED FOR
BID

APRIL 11, 2025

DRAWN SC	CHKD PG	PROJECT NO. 23109
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SHEET NO.

G-000

CODE INFORMATION

1. APPLICABLE CODES AND STANDARDS
 - INTERNATIONAL BUILDING CODE 2021
 - INTERNATIONAL PLUMBING CODE 2021
 - INTERNATIONAL MECHANICAL CODE 2018
 - INTERNATIONAL ENERGY CONSERVATION CODE 2018
 - DELAWARE STATE FIRE PREVENTION REGULATIONS 2021
 - NFPA 101 - LIFE SAFETY CODE 2021
 - ASHRAE 90.1 - 2022
 - ADA STANDARDS FOR ACCESSIBLE DESIGN - 2010
 - NATIONAL ELECTRICAL CODE, NFPA 70, 2020
 - ICC/ANSI A117.1 - 2017

2. PROJECT DATA

OWNER: STATE OF DELAWARE

LOCATION: GEORGETOWN DIVISION OF MOTOR VEHICLE

ADDRESS: 23737 DUPONT BOULEVARD, GEORGETOWN, DELAWARE 19947

OCCUPANCY CLASSIFICATION: BUSINESS - GROUP B

THE CONTRACTOR SHALL PROVIDE EXIST. IN-PLACE AND NEW WORK.

THE CONTRACTOR SHALL INVESTIGATE JOB SITE TO DETERMINE CONTRACT DOCUMENTS, CONDITIONS, AND VERY DIMENSIONS SHOWN ON THESE DRAWINGS. THE CONTRACTOR

SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES, OMISSIONS, CONFLICTS, AND/OR ANY RESTRICTIONS RELATED TO THE EXECUTION OF WORK. BEFORE COMMENCEMENT OF WORK, COMMENCEMENT OF WORK SHALL CONSTITUTE ACCEPTANCE OF ALL NEW OR CONDITIONS. THE CONTRACTOR SHALL COMPLY WITH ALL ORDINANCES, ALL WORK IN BUILDING OWNER REGARDING HEAT, WATER, ELECTRICITY, DELIVERIES, ACCESS, ELEVATOR AVAILABILITY, HOSE CONTROL, TRASH AND DEBRIS REMOVAL, UNLOADING, AND/OR OTHER UTILITIES AND/OR LAWS AND REGULATIONS ACCORDING TO THE PROJECT SITE.

THE CONTRACTOR SHALL COORDINATE SCHEDULING, PROVISIONS FOR INSTALLATION, LOGISTICS, AND THE ACTUAL INSTALLATION OF ITEMS FURNISHED BY OWNER OR OTHER.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND IS RESPONSIBLE FOR ALL PHASES, INCLUDING BIDDING, FABRICATION, COORDINATION, AND CONSTRUCTION. THE DRAWINGS INDICATE THE GENERAL EXTENT OF WORK. THE DRAWINGS ARE INTENDED TO PROVIDE A GENERAL INDICATION OF THE SCOPE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. RESPECTIVE FEATURES ARE NOT NOTED ON THE DRAWINGS SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.

MECHANICAL, ELECTRICAL, AND PLUMBING INFO ON THE ARCHITECTURAL DRAWINGS IS PROVIDED FOR CLARITY AND/OR LOCATION PURPOSES ONLY. SEE RELEVANT DESCRIPTION LINE AND/OR SPECIFICATIONS FOR ADDITIONAL INFORMATION. SUBMITTALS SHALL NOT

DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. DIMENSIONS GOVERN.

LARGE SCALE DRAWINGS GOVERN OVER SMALL SCALE DETAILS.

PERFORM ALL WORK AND INSTALL MATERIALS IN STRICT ACCORDANCE TO APPLICABLE INDUSTRY AND MANUFACTURER'S PUBLISHED STANDARDS AND SPECIFICATIONS FOR QUALITY CONTROL AND PERFORMANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DIMENSIONS AND SPECIFICATION, ANY CONFLICTING REQUIREMENTS OF THE SOURCES LISTED ABOVE SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO PROCEEDING WITH THE WORK.

MANUFACTURERS ARE REFERENCED TO ESTABLISH STYLE, SIZE, COLOR, AND MATERIAL CHARACTERISTICS, AND ARE NOT INTENDED TO LIMIT SELECTION FROM OTHER MANUFACTURERS. WHEN AN ALTERNATE SELECTION IS SUBMITTED, SUBMITTALS SHALL HAVE INCLUDED THE MATERIAL LISTED FOR COMPARISON.

THE CONTRACTOR SHALL EXAMINE ALL MATERIALS TO DETERMINE THAT THEY ARE SOUND, DRY, CLEAN AND READY TO RECEIVE THE WORK. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL IMPART ACCEPTANCE OF SUBSTRATE AND SHALL NOT BE GRANTED FOR CLAIMS AGAINST IMPROPER PERFORMANCE OF INSTALLED MATERIALS. ADVISE ARCHITECT OF ANY EXIST. CONSTRUCTION NOT FIRM, SMOOTH, AND PLUMB WITH INDUSTRY STANDARDS PRIOR TO START OF CONSTRUCTION.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY COVERINGS, PROTECTIVE ENCLOSURES, TEMPORARY DOORS, AND OTHER MEANS TO PREVENT DAMAGE TO WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXIST. STRUCTURE SHALL BE VERIFIED BY OWNER AND LOCAL CODE OFFICIAL FOR EFFECTIVE COVERAGE. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXIST. STRUCTURE AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERSONS IN ADJACENT AREAS AND THAT WORK NOT BE DONE OR PASSAGE TO ANY OF THESE REPAIR AND REPLACE ANY DAMAGES CAUSED BY IMPROPER PROTECTIONS AT NO ADDITIONAL CHARGE TO THE OWNER.

WORK DAMAGED DURING CONSTRUCTION OR NOT CONFORMING TO SPECIFIED STANDARDS, TOLERANCES, OR MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION SHALL BE REPLACED BY THE CONTRACTOR, AT NO ADDITIONAL CHARGE, TO THE OWNER.

ANY AREA OUTSIDE THE LIMITS OF CONSTRUCTION DISTURBED BY OPERATIONS OF THE CONTRACTOR SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL MAINTAIN ALL EXIST. LIGHTING, FIRE PROTECTION DEVICES, AND LIFE SAFETY SYSTEMS IN WORKING ORDER. CONTRACTOR TO PROVIDE TEMPORARY FIRE EXTINGUISHERS DURING THE COURSE OF CONSTRUCTION AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.

EXIST. DOORS, EGRESS DOORS, AND OTHER DOORS REQUIRED FOR MEANS OF EGRESS SHALL BE OPERABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR CODE.

DIMENSIONS ARE FROM FACE OF MASONRY OR FACE OF METAL FRAMING, TYPICAL. UNLESS NOTED OTHERWISE, MASONRY DIMENSIONS ARE NOMINAL.

UNLESS NOTED OTHERWISE, ALL ROUGH (RO) OPENINGS FOR DOORS IN STUD WALLS, NOT LOCATED BY DIMENSIONS ON PLANS OR IN DETAILS, SHALL BE A WAY FROM FRAMING TO ADJUST PERPENDICULAR WALL, FACE OF STUD.

ROOM AND DOOR NUMBERS SHOWN ON DRAWINGS ARE FOR CONSTRUCTION PURPOSES ONLY.

ALL CONCEALED WOOD FRAMING, AND PLYWOOD SHEATHING SHALL BE FIRE RETARDANT TREATED (FRT). ALL WOOD BLOCKING IN FIRE RATED PARTITIONS IS TO BE FIRE RETARDANT.

NO FRT FLOOR, WALLS, AND FURNISHING MAY BE USED WHERE INSTALLED IN ACCORDANCE WITH IRC SECTION 703.11, INCLUDING CONCEALED BLOCKING. FLOOR, WALL, AND FURNISHING SHALL BE USED WHERE INSTALLED IN ACCORDANCE WITH IRC SECTION 603 FOR HANDRAILS, MALLS, CABINETS, WINDOWS, AND DOORS, IS NOT REQUIRED TO BE FRT.

FOUR WATER-RESISTANT GYPSUM BOARD ON WALLS W/ EXPOSED PLUMBING FIXTURES, AND WITHIN 4'-0" OF DRINKING FOUNTAINS AND WATER COOLERS.

PROVIDE ACCESS PANELS TO BE APPLICABLE CODES AS REQUIRED FOR MECHANICAL EQUIPMENT AND PLUMBING WORK. ACCESS PANEL LOCATION SHALL BE REVERSED BY THE ARCHITECT OR ARCHITECT'S REPRESENTATIVE PRIOR TO PROCEEDING.

ALL INSULATION EXPOSED TO CEILING BLENDS IS TO BE FIRE AND DUST PROOF.

ALL DISSEMBLY MATERIALS SHALL BE REMOVED FROM EACH OTHER TO AVOID GALVANIC CORROSION. REMOVE TWO DISSEMBLY MATERIALS MEET: PANT FACE OF ONE W/ BULTIMATED PROFILE SEALANT BETWEEN CORROSION MATERIALS, SUCH AS GYPSUM BOARD AND MASONRY, MASONRY AND CONCRETE, COUNTERTOPS AND WALLS, ETC.

PROVIDE SEALANT BETWEEN HOLLOW METAL FRAME PERIMETERS AND SURROUNDING WALL CONSTRUCTION. UNLESS NOTED OTHERWISE.

ALL PENETRATIONS THROUGH GYPSUM BOARD AND MASONRY SURFACES SHALL BE NOTED BUT NOT LIMITED TO DIMENSIONS, UNIFORM JOINTS, ENAMEL FINISH, FIRE PENETRATIONS, CONDUIT, OUTGOING, GRILLS, REGISTERS, DOVEY BOWS, MANGERS, ETC. SHALL HAVE THEIR COMMON JOINTS W/ GYPSUM BOARD AND/OR MASONRY CAULKED. ALL PENETRATIONS SHALL BE SEALED WITH A FIRE-RESISTANT FIRE SEALANT. JOINTS SHALL BE PROTECTED FOR INTERPRETATION.

UNLESS OTHERWISE NOTED, ALL GYPSUM BOARD TO REPAIR ONE PRIMER COAT AND TWO COATS OF PAINT AS PER SPECIFICATION 09 01 00.

IN ALL INSTANCES WHERE WORK IS BEING CORRECTED OR REPAIRED, CONTRACTOR IS TO REPAIR ENTIRE WALL TO NEAREST CORNER OR BREAK LINE OR WALL CHANGES DIRECT.

CONTRACTOR SHALL REMOVE ANY STRAY PANT, OR STAIN OR REMAINS DURING THE CONSTRUCTION PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL STAIN OR REMAINS OF STAIN COVERSINGS USED DURING CONSTRUCTION. SHALL ALSO BE RESPONSIBLE FOR REMOVING THEIR STAIN SUPPORTS OF THE JOB SITE.

PROVIDE FINISHED END PANELS, FILLERS, SUPPORTS FOR PROVIDING FOR A COMPLETE CABINET INSTALLATION. PROVIDE OUTGOING ACCESS PANELS, AND REMOVABLE COMPONENTS AS REQUIRED BY NEW OR EXIST. CONDITIONS, SUCH AS ELECTRICAL, OUTGOING, JUNGLE, AND BOWS, COUNTERS, ETC.

CONTRACTOR TO VERIFY MOUNTING HEIGHTS OF ACCESSORIES, EQUIPMENT, CLOSET HARDWARE, CASEWORK, SWITCHES, AND OUTLETS ALONG WALLS AT OR MALLWAYS, COUNTERTOPS, SHELVING SINKS, ETC. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT ITEMS IN ACCORDANCE WITH RECOGNIZED INDUSTRY STANDARDS. COORDINATE LOCATIONS W/ MANUFACTURER OR SUPPLIER.

DO NOT CONTINUOUS WOOD BLOCKING SHALL BE PROVIDED AT APPLICABLE BOARD PARTITIONS FOR ALL CABINET WORK AT TOP AND BOTTOM OF WALL MOUNTED UNITS AND UNDER COUNTER TOP LEVELS OF BASE CABINET. FOR OPEN SHELVING UNITS WALL HAVE CONCEALED ANCHOR BRACKETS. METAL STRAPPING MAY BE USED FOR BLOCKING AT BASE CABINETS.

FIRE EXTINGUISHER CABINETS TO BE MOUNTED AT 4'-0" TO 4'-10" TO TOP MAXIMUM. AS PER ACCESSIBILITY REQUIREMENTS: FIRE EXTINGUISHER MOUNTING OVER ALL ACCESSIBLE REACH HEIGHTS AT 4'-0" MAXIMUM.

CONTRACTOR SHALL COMPLY W/ MANUFACTURER'S INSTRUCTIONS WHEN RELOCATING AND/OR INSTALLING ANY EQUIPMENT AND FURNISHINGS.

[illegible]

STUDIO JAED
ARCHITECTS & ENGINEERS ■ FACILITIES SOLUTIONS
 Website: www.StudioJAED.com Email: info@StudioJAED.com

DELAWARE OFFICE
 1000 N. MARKET ST., STE. 110
 BEAR, DELAWARE 19701
 P: (302) 832-1652

PROVIDENCE OFFICE
 1000 WEST ST., STE. 403
 PROVIDENCE, RHODE ISLAND 02903
 P: (401) 646-8884

MARYLAND OFFICE
 1000 N. BAY, 5th FLOOR
 CRUMPTON, MARYLAND 21036
 P: (410) 283-1765

SIGNATURE: _____
DATE OF SIGNATURE: _____
DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

[illegible]

APRIL 11, 2025		
DRAWN	CHOKED	PROJECT NO.
SC	PG	23109

G-001

THE RECIPIENT OF THESE PLANS IS HEREBY ADVISED THAT THE INFORMATION CONTAINED HEREIN IS FOR THE EXCLUSIVE USE OF THE CLIENT AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF STUDIOJAED. THE RECIPIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS INFORMATION AND SHALL NOT BE HELD RESPONSIBLE FOR ANY REPRODUCTION OR TRANSMISSION OF THIS INFORMATION TO ANY OTHER PARTY. THE RECIPIENT SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS INFORMATION AND SHALL NOT BE HELD RESPONSIBLE FOR ANY REPRODUCTION OR TRANSMISSION OF THIS INFORMATION TO ANY OTHER PARTY.

OFFICE OF MANAGEMENT AND BUDGET
DEPARTMENT OF FACILITIES MANGAMENT
DMV GEORGETOWN PAY LANES

AT THE
23737 DUPONT Blvd
GEORGETOWN, DE 19947

SITE DATA

ADDRESS: 23737 DUPONT BLVD
GEORGETOWN, DE 19947

OWNER/DEVELOPER: STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
HASLET ARMORY
122 MARTIN LUTHER KING JR. BLVD.
DOVER, DE 19901
302-739-5644

ENGINEER: SITE STUDIOS, INC.
P.O. BOX 682
NORTH EAST, MD 21901
CONTACT: JON SABATINO, PE
JSABATINO@SITESTUDIOSINC.COM

DATUM: DELAWARE COORDINATE SYSTEM (NAD83/NA2001 EPOCH 2010) & NAVD88 FOR VERTICAL

BENCHMARK: IRON REBAR AND CAP
N: 242930.53 E: 667837.96 ELEV: 46.77
LAT: N 38.6670535° LONG: W - 075.3757958°

TAX PARCEL: 135-23.00-10.00

DEED REFERENCE: E/RT 113 S/RT 431

ZONING: AR-1 AGRICULTURAL RESIDENTIAL

EXIST/ PROP USE: DEPARTMENT OF MOTOR VEHICLES OFFICE

ACREAGE: 433.3 ± AC

MIN LOT AREA: 32,670 SF / 0.75 AC

MIN WIDTH: 100 FT

MIN DEPTH: 100 FT

SETBACKS: FRONT YARD: 25
SIDE YARD: 10 FT
BACK YARD: 10 FT

FRONTAGE ROAD: DUPONT BLVD

MAX HEIGHT: 42 FT

AVERAGE SLOPES: <2%

WETLAND AREA: 0.9 AC IN PROXIMITY OF WORK AREA

WATER SERVICE: TOWN OF GEORGETOWN

SEWER SERVICE: TOWN OF GEORGETOWN

ELECTRIC SERVICE: DELMARVA

EXIST IMPERV AREA: 1,590 SF (IN LOD)

PROP IMPERV AREA: 2,586 SF (IN LOD)

LIMIT OF DIST: 2,958 SF

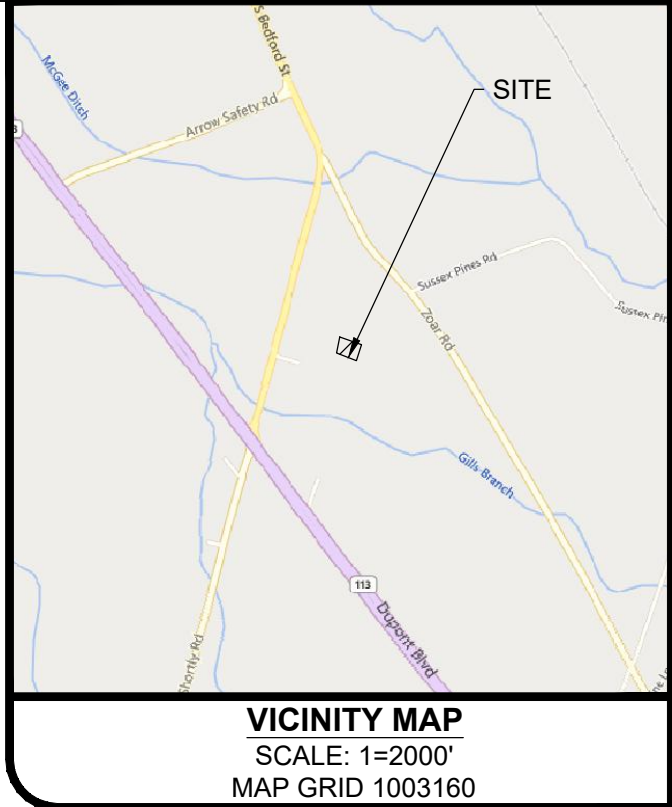
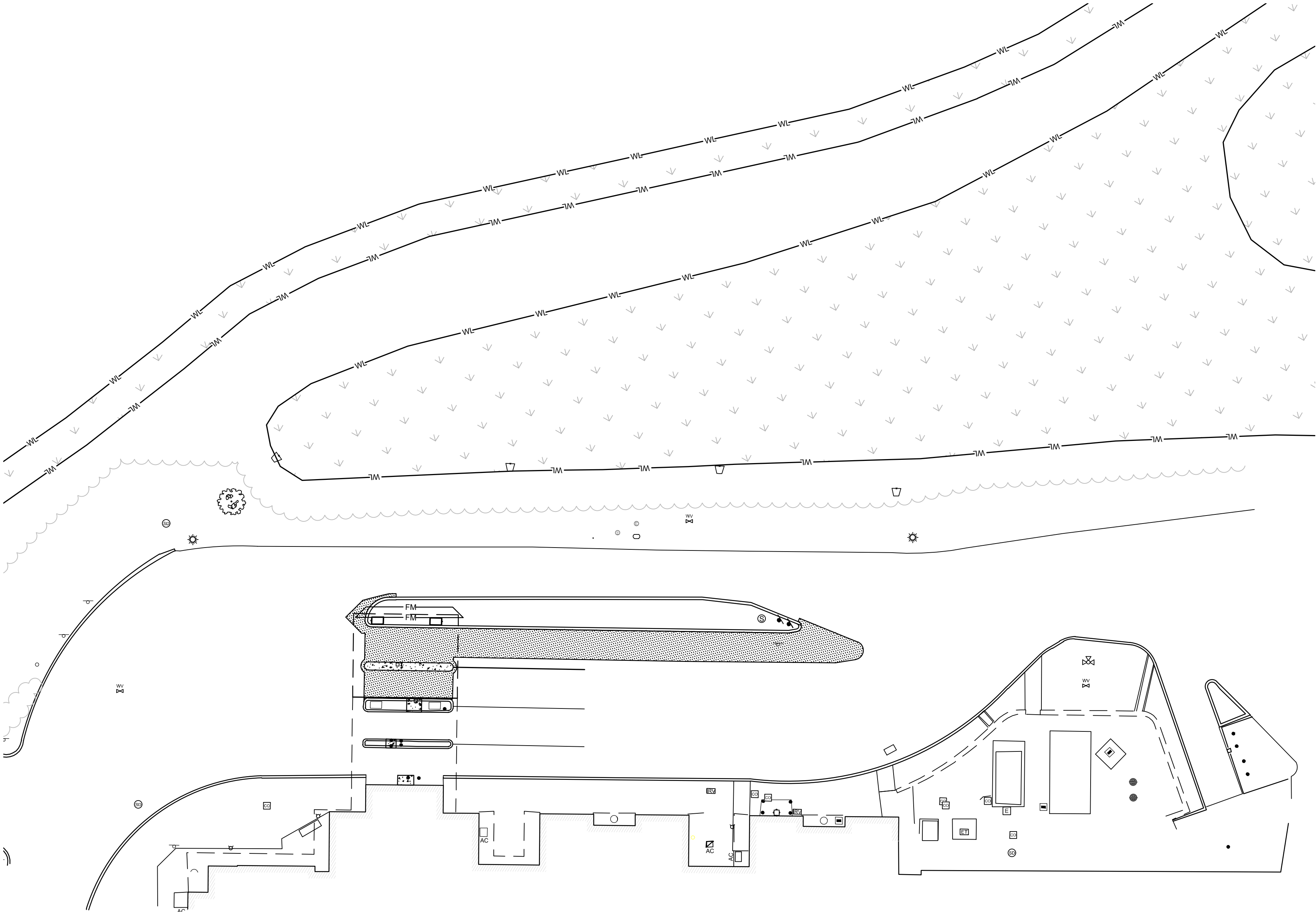
PROPOSED PARKING: NO CHANGE IN PARKING OR BUILDING IS PROPOSED

SOILS PER WEB SOIL SURVEY:

HuA HURLOCK LOAMY SAND 0-2% SLOPES HSG A/D

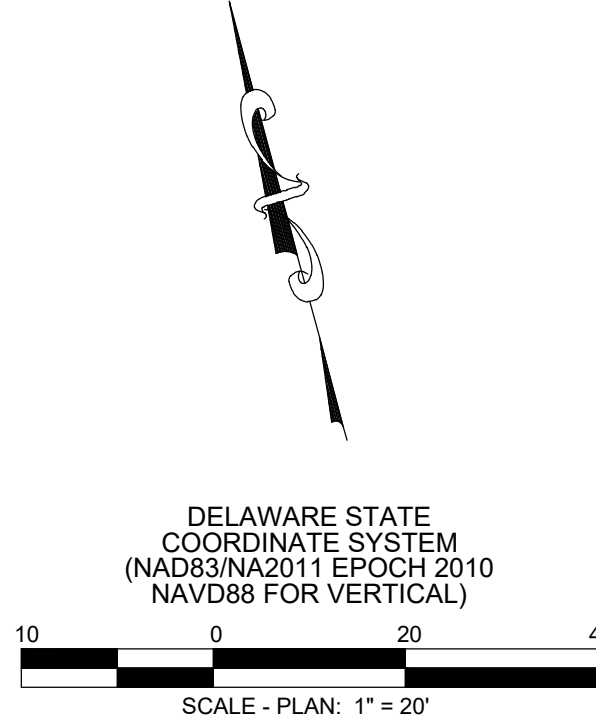
MmA MULICA MUCKY SANDY LOAM 0-2% SLOPES HSG A/D

- NOTES:
- THE PURPOSE OF THIS PLAN IS TO FACILITATE CONSTRUCTION OF TWO ADDITIONAL PAY LANES ADJACENT TO THE EXISTING LANES AT THE GEORGETOWN DMV.
 - GROUND SURFACE ELEVATIONS SHOWN ARE CORRECT AS OF THE DATE OF THE ASSOCIATED FIELD SURVEY COMPLETED BY PRECISION SURVEY AND MAPPING LLC IN JANUARY, 2024. A BOUNDARY SURVEY WAS NOT PERFORMED.
 - SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE AND BASED ON VISUALLY OBSERVED EVIDENCE AT GROUND LEVEL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST PIT AND CONFER WITH THE UTILITY COMPANIES INVOLVED IN ORDER TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BE DONE WITHOUT FIRST CALLING "MISS UTILITY" (1-800-282-8555) 72 HOURS PRIOR TO EXCAVATION TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.
 - CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN AND ENSURE UNINTERRUPTED SERVICE. ANY DAMAGE SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - PER FEMA FLOOD INSURANCE RATE MAP NUMBERS 10005C0300L, EFFECTIVE 06/20/2018 AND 10005C0325L, EFFECTIVE 06/20/2018, THE PROJECT SITE IS LOCATED IN FLOOD ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.
 - PER THE NATIONAL WETLAND INVENTORY THERE ARE NO WETLANDS IN THE LIMIT OF DISTURBANCE. THERE ARE WETLANDS ON THE PARCEL. VERIFIED 01/08/2024.
 - THIS PROJECT IS INTENDED TO REMAIN UNDER 5,000 SF OF DISTURBANCE. CONTRACTOR SHALL ENSURE DISTURBANCE DOES NOT EXCEED 5,000 SF AT ANY TIME DURING CONSTRUCTION. IF IT IS DETERMINED THAT THE WORK AREA MUST EXPAND, APPROPRIATE PERMITTING THROUGH THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WILL BE REQUIRED.
 - ALL FIRE LANES, HYDRANTS, EXITS, STANDPIPE AND SPRINKLER CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH DELAWARE STATE FIRE PREVENTION REGULATIONS, PART V, CHAPTER 5.
 - TRAFFIC CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION IN CONFORMANCE WITH THE CURRENT VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.
 - DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STUMPS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING EXCAVATION MUST BE REMOVED AND PROPERLY DISCARDED.



CIVIL SYMBOLS LEGEND

SITE		EXISTING		PROPOSED	
---	RIGHT OF WAY	---	RIGHT OF WAY	---	RIGHT OF WAY
---	PROPERTY LINE	---	PROPERTY LINE	---	PROPERTY LINE
---	SETBACK	---	SETBACK	---	SETBACK
---	EASEMENT	---	EASEMENT	---	EASEMENT
---	STRUCTURE	---	STRUCTURE	---	STRUCTURE
---	ROOFLINE	---	ROOFLINE	---	ROOFLINE
---	ASPHALT	---	ASPHALT	---	ASPHALT
---	CONCRETE	---	CONCRETE	---	CONCRETE
---	GRAVEL	---	GRAVEL	---	GRAVEL
---	METAL FENCE	---	METAL FENCE	---	METAL FENCE
---	WOOD FENCE	---	WOOD FENCE	---	WOOD FENCE
---	UNDERGROUND ELECTRIC	---	UNDERGROUND ELECTRIC	---	UNDERGROUND ELECTRIC
---	OVERHEAD ELECTRIC	---	OVERHEAD ELECTRIC	---	OVERHEAD ELECTRIC
---	GAS LINE	---	GAS LINE	---	GAS LINE
---	WATER MAIN	---	WATER MAIN	---	WATER MAIN
---	STEAM LINE	---	STEAM LINE	---	STEAM LINE
---	SANITARY SEWER	---	SANITARY SEWER	---	SANITARY SEWER
---	STORM DRAIN	---	STORM DRAIN	---	STORM DRAIN
---	WETLAND	---	WETLAND	---	WETLAND
---	WETLAND BUFFER	---	WETLAND BUFFER	---	WETLAND BUFFER
---	SOIL DIVIDE	---	SOIL DIVIDE	---	SOIL DIVIDE
---	TREE LINE	---	TREE LINE	---	TREE LINE
---	FIRE HYDRANT	---	FIRE HYDRANT	---	FIRE HYDRANT
---	SIGN	---	SIGN	---	SIGN
---	LIGHT POLE	---	LIGHT POLE	---	LIGHT POLE
---	UTILITY POLE	---	UTILITY POLE	---	UTILITY POLE
---	GUY WIRE	---	GUY WIRE	---	GUY WIRE
---	SANITARY CLEAN OUT	---	SANITARY CLEAN OUT	---	SANITARY CLEAN OUT
---	HAND HOLE	---	HAND HOLE	---	HAND HOLE
---	ELEC. CONDUIT	---	ELEC. CONDUIT	---	ELEC. CONDUIT
---	ELECTRIC BOX	---	ELECTRIC BOX	---	ELECTRIC BOX
---	ELECTRIC TRANSFORMER	---	ELECTRIC TRANSFORMER	---	ELECTRIC TRANSFORMER
---	ELECTRIC METER	---	ELECTRIC METER	---	ELECTRIC METER
---	SPRINKLER HEAD	---	SPRINKLER HEAD	---	SPRINKLER HEAD
---	WATER METER	---	WATER METER	---	WATER METER
---	UNKNOWN MANHOLE	---	UNKNOWN MANHOLE	---	UNKNOWN MANHOLE
---	IRRIGATION VALVE	---	IRRIGATION VALVE	---	IRRIGATION VALVE
---	STOP BAR	---	STOP BAR	---	STOP BAR
---	WOOD POST	---	WOOD POST	---	WOOD POST
---	UTILITY VAULT	---	UTILITY VAULT	---	UTILITY VAULT
---	GRAVEL	---	GRAVEL	---	GRAVEL
---	CONCRETE	---	CONCRETE	---	CONCRETE
---	WETLAND	---	WETLAND	---	WETLAND



CERTIFICATION OF OWNERSHIP

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY WHICH IS SUBJECT OF THIS PLAN AND THAT THE LAND USE ACTION PROPOSED BY THIS PLAN IS MADE AT MY DIRECTION AND THAT I AUTHORIZE THIS PLAN TO BE RECORDED IN ACCORDANCE WITH THE REGULATIONS OF SUSSEX COUNTY.

SIGNATURE _____ DATE _____

PRINTED NAME _____

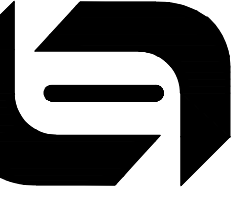
CERTIFICATION OF PLAN ACCURACY

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER WITH A BACKGROUND IN CIVIL ENGINEERING IN THE STATE OF DELAWARE AND THAT ALL OF THE INFORMATION ON THIS PLAN IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY ACCEPTED SURVEYING STANDARDS AND PRACTICES AS BY THE NEW CASTLE COUNTY UNIFIED DEVELOPMENT CODE.

SIGNATURE _____ DATE _____

PRINTED NAME _____ LICENSE NO. _____ EXPIRATION DATE _____

STUDIOJAED
ARCHITECTS ■ ENGINEERS ■ FACILITIES SOLUTIONS
Website: www.StudioJAED.com
Email: info@StudioJAED.com



CONSULTANT
SITE STUDIOS
CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE
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PROJECT
OFFICE OF MANAGEMENT AND BUDGET
DEPARTMENT OF FACILITIES MANAGEMENT
DMV GEORGETOWN PAY LANES
AT
23737 DUPONT BOULEVARD
GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

TITLE SHEET

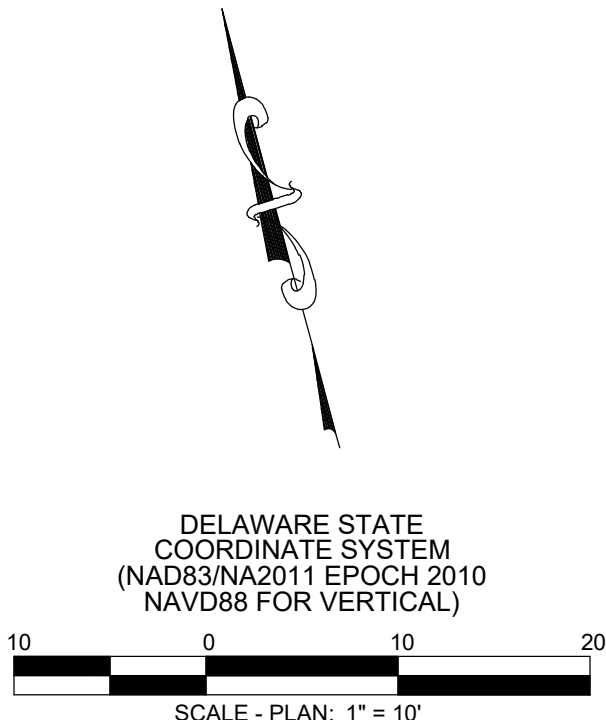
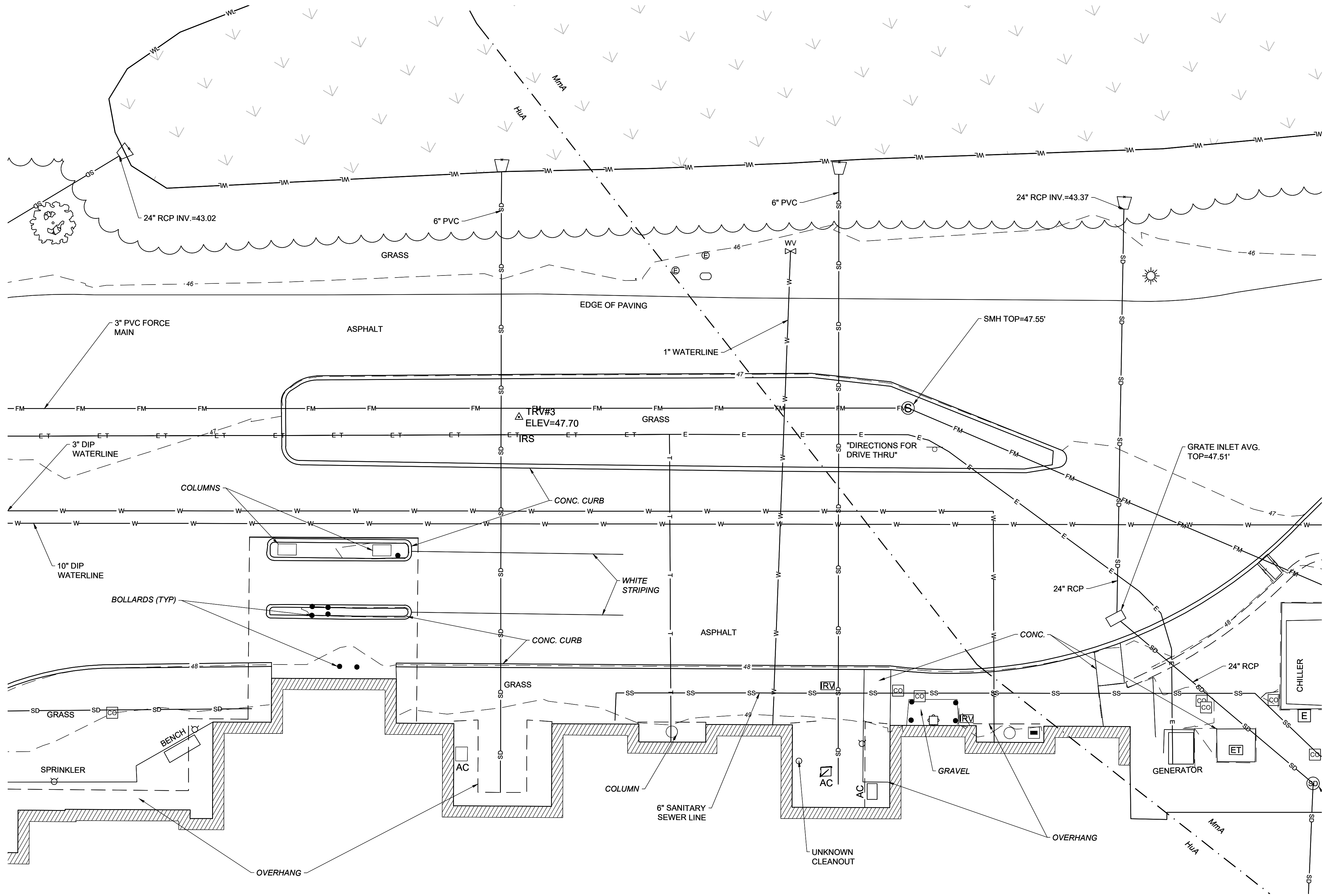
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EG	JS	23109

SHEET NO.

C-100

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GEORGETOWN, DE 19947

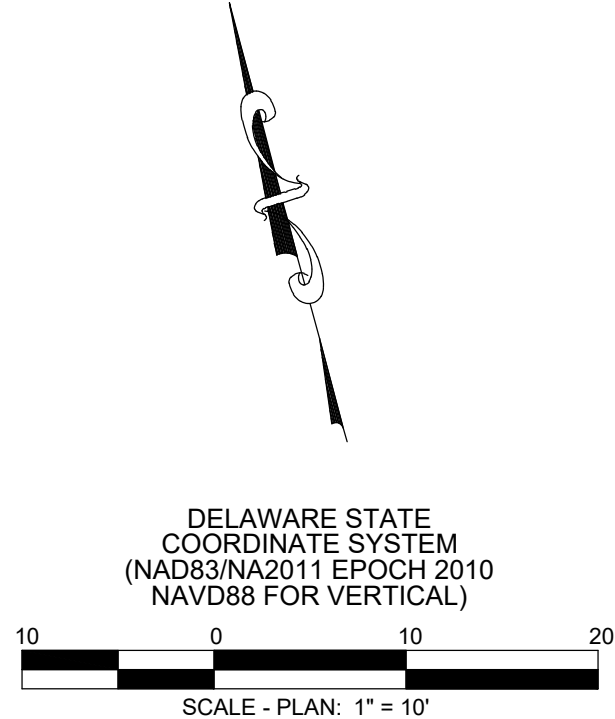
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MARK	DESCRIPTION	DATE

EXISTING PLAN

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APRIL 11TH, 2025

DRAWN EG	CHKD JS	PROJECT NO. 23109
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C-101

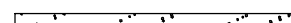


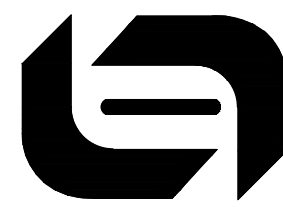
DEMO LEGEND

_____ DEMO

//// DEMO LINEAR FEATURE


 DEMO AREA

 MILL AREA



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BEAR, DELAWARE 19701	PROVIDENCE, RHODE ISLAND 02903	CRUMPTON, MARYLAND 216285
(301) 873-1652	(401) 648-0984	



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CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

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DEPARTMENT OF FACILITIES MANAGEMENT
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AT
23737 DUPONT BOULEVARD
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DEMOLITION PLAN

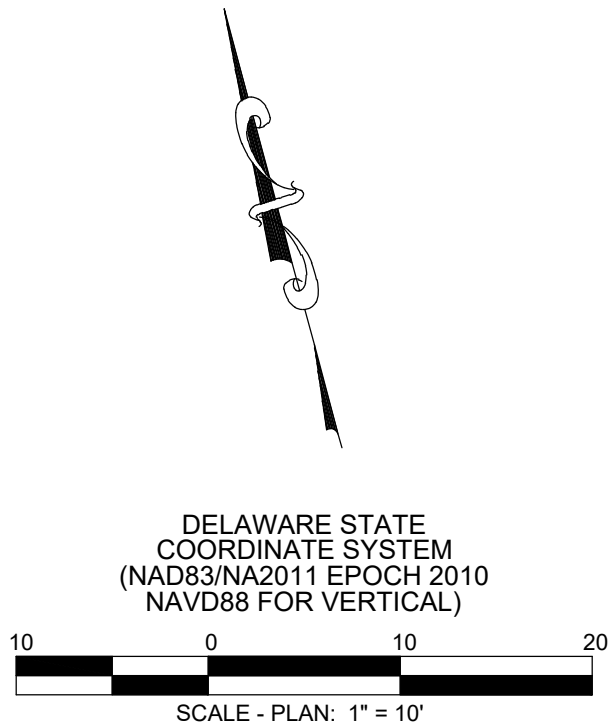
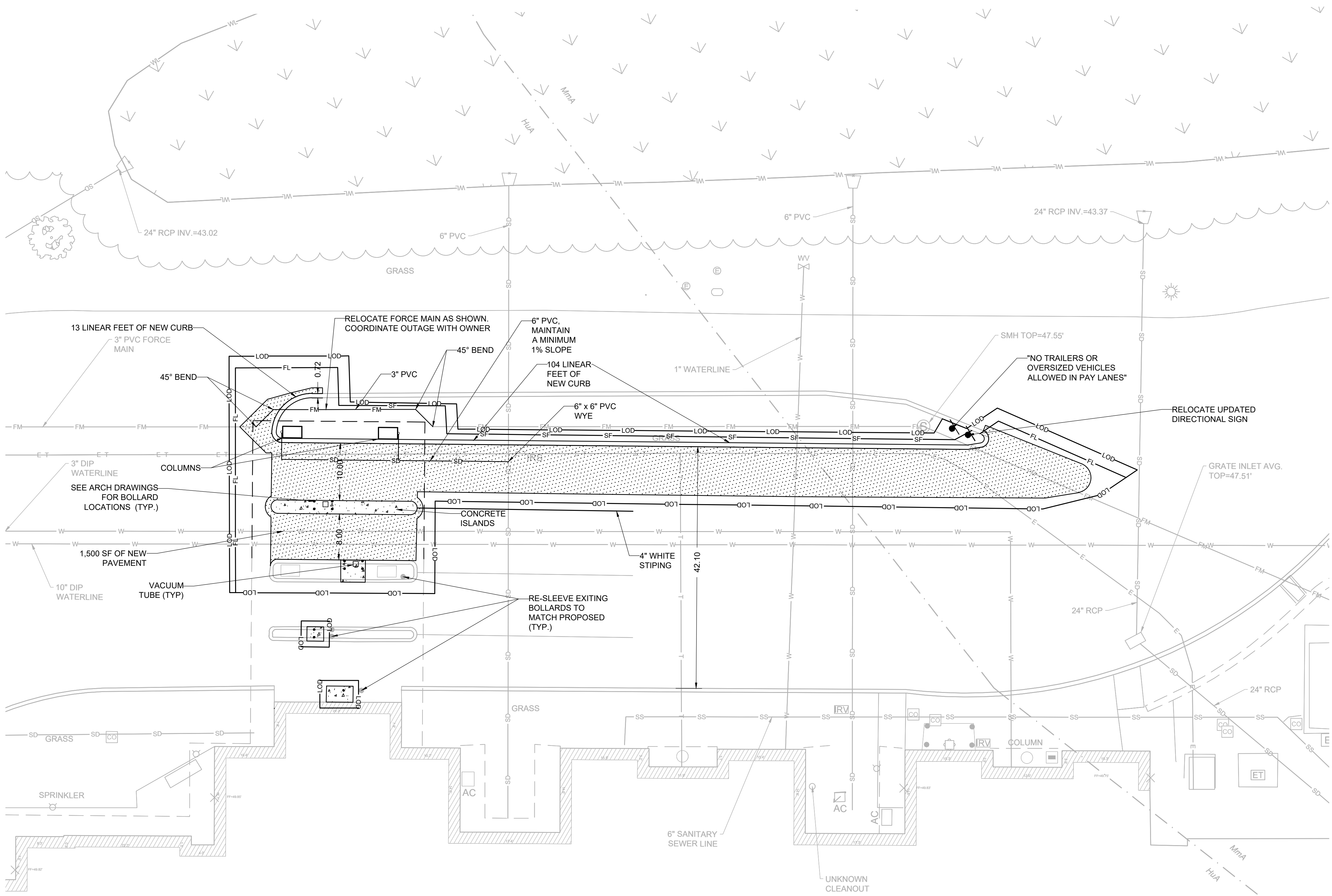
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FOR BID

APRIL 11TH, 2025

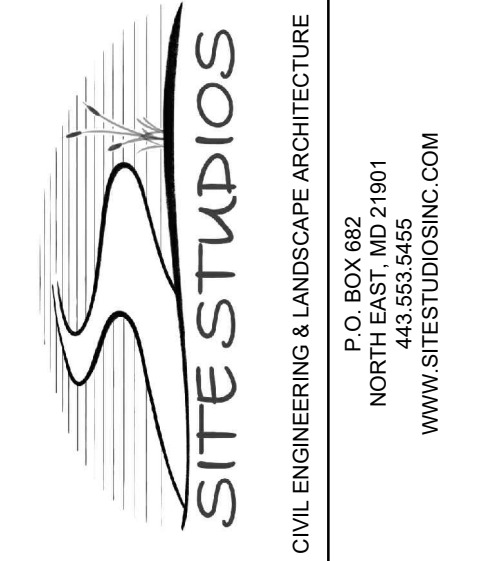
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EG	JS	23109

C-102

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- NOTES:**
1. THIS PROJECT IS INTENDED TO REMAIN UNDER 5,000 SF OF DISTURBANCE. CONTRACTOR SHALL ENSURE DISTURBANCE DOES NOT EXCEED 5,000 SF AT ANY TIME DURING CONSTRUCTION. IF IT IS DETERMINED THAT THE WORK AREA MUST EXPAND, APPROPRIATE PERMITTING THROUGH THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WILL BE REQUIRED.
 2. THIS PROJECT MUST BE COMPLETED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.
- STABILIZATION CONDITIONS:**
1. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, TEMPORARY OR PERMANENT STABILIZATION WITH SEED AND MULCH SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS TO THE SURFACE OF ALL DISTURBED AREAS NOT ACTIVELY UNDER CONSTRUCTION.
 2. THIS PROJECT MUST BE COMPLETED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK.



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MARK	DESCRIPTION	DATE

SHEET TITLE

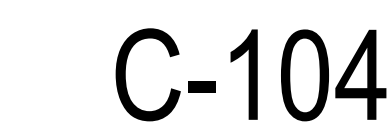
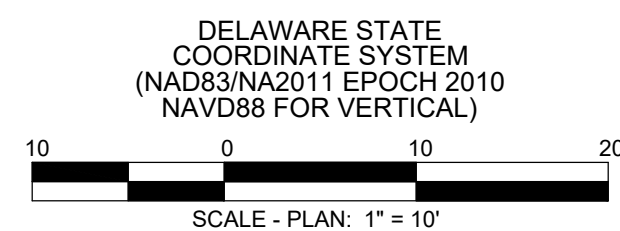
SITE PLAN

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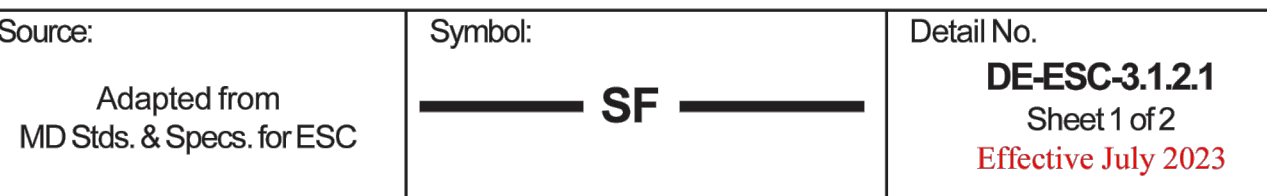
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C-103



Standard Detail & Specifications

Silt Fence



Source: Delaware ESC Handbook	Symbol:	Detail No. DE-ESC-3.4.3 Sheet 2 of 4 Effective July 2023
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Source: Delaware ESC Handbook	Symbol:	Detail No. DE-ESC-3.4.3 Sheet 3 of 4 <i>Effective July 2023</i>
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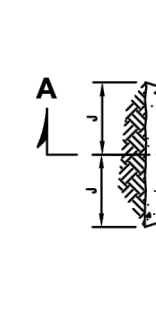
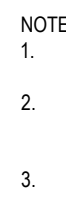
Source: Delaware ESC Handbook	Symbol:	Detail No. DE-ESC-3.4.3 Sheet 4 of 4 <i>Effective July 2023</i>
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Source: Adapted from MD Stds. & Specs. for ESC	Symbol: — SF —	Detail No. DE-ESC-3.1.2.1 Sheet 2 of 2 Effective July 2023
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Source: Adapted from MD Sds & Specs for ESC & Filtrex™ International	Symbol: CFL	Detail No. DE-ESC-3.1.7 Sheet 1 of 2 Effective July 2023
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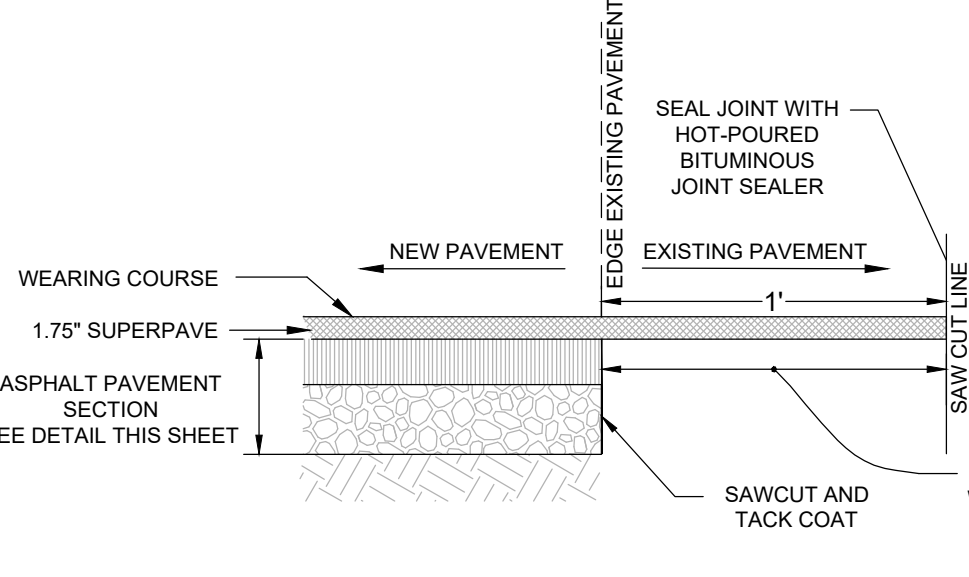
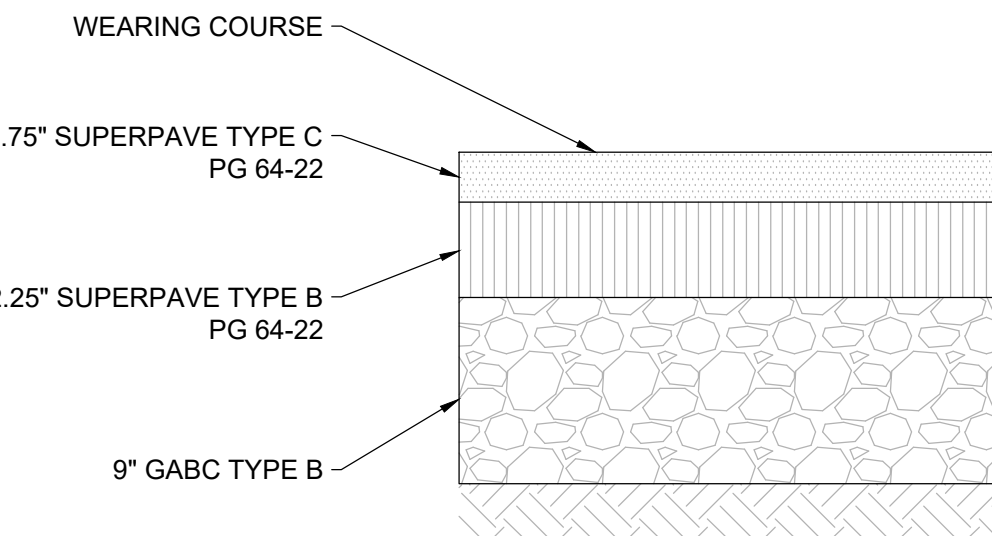
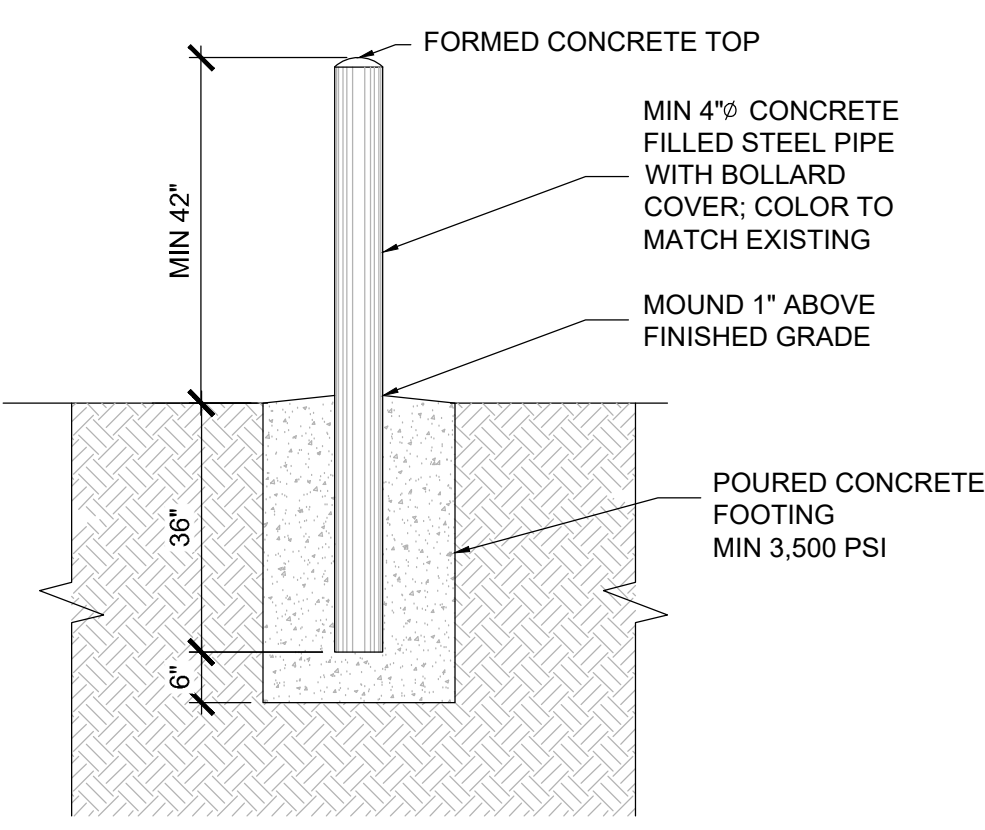
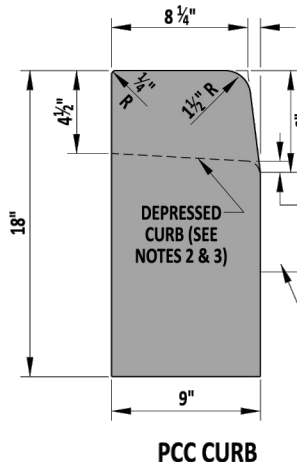
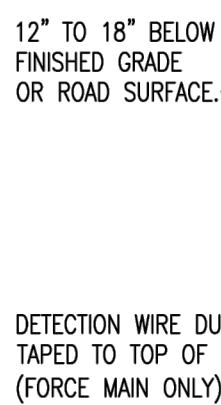
Source: Adapted from MD Stds & Specs for ESC & Filtrexx™ International	Symbol: ———— CFL ————	Detail No. DE-ESC-3.1.7 Sheet 2 of 2 Effective July 2023
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C-105




NOTES:

1. ALL CONCRETE TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. BUTTRESS DIMENSIONS GIVEN ARE MINIMUM DIMENSIONS BASED UPON 3000 PSF MINIMUM SOIL BEARING CAPACITY AND 150 PSI MAXIMUM INTERNAL PIPE PRESSURE. PARAMETERS OUTSIDE OF THESE TOLERANCES WILL REQUIRE A SPECIAL BUTTRESS DESIGN APPROVED BY THE COUNTY.
3. ALL CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH.
4. TEE DIMENSIONS IN TABLE SHALL BE USED FOR WYES.



1. THE UPDATED DIRECTIONAL SIGN SHOULD MEASURE THE SAME AS THE EXISTING SIGN AND SHOULD HAVE THE SAME LETTERING DIMENSIONS.
2. FOR THE NEW "NO TRAILERS OR OVERSIZED VEHICLES ALLOWED IN PAY LANES" SIGN, LETTER HEIGHT SHOULD MIMIC THAT OF SIGN R8-5 IN THE MUTCD. SIGN DIMENSIONS CAN BE EXPANDED IN ORDER TO FIT TEXT.



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 GEORGETOWN PAY LANES
 AT
 23737 DUPONT BOULEVARD
 GEORGETOWN, DE 19447

SHEET TITLE

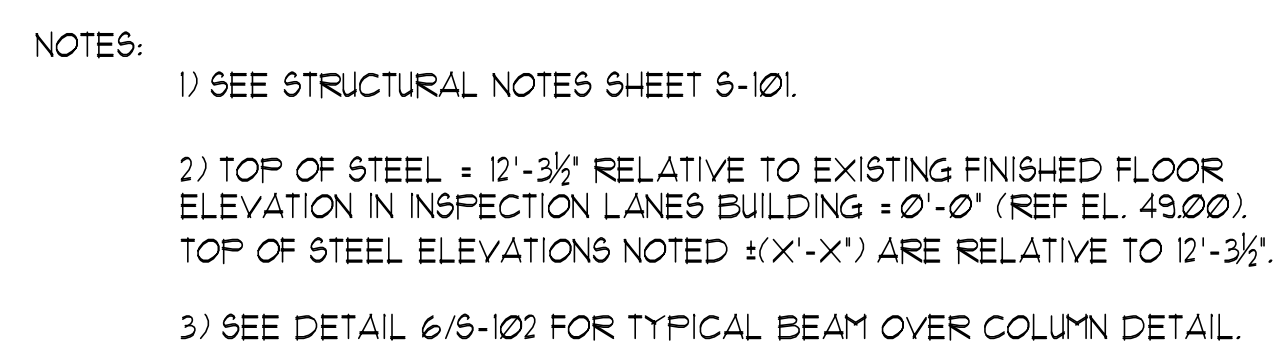
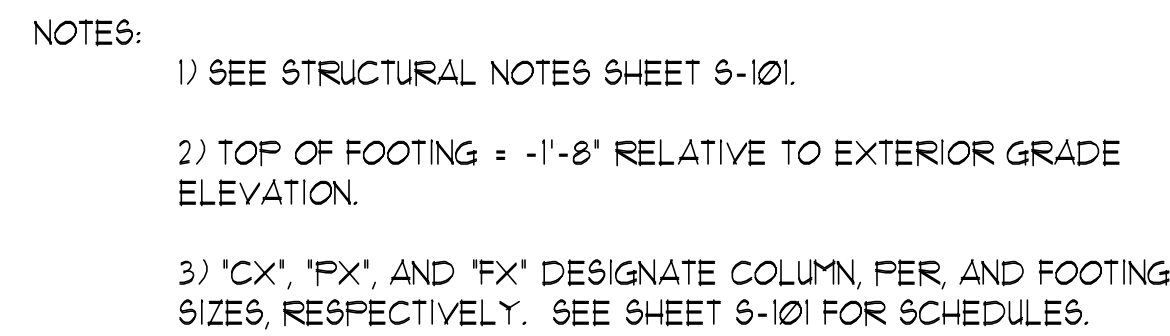
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EG	JS	23109
SHEET NO.		

C-106

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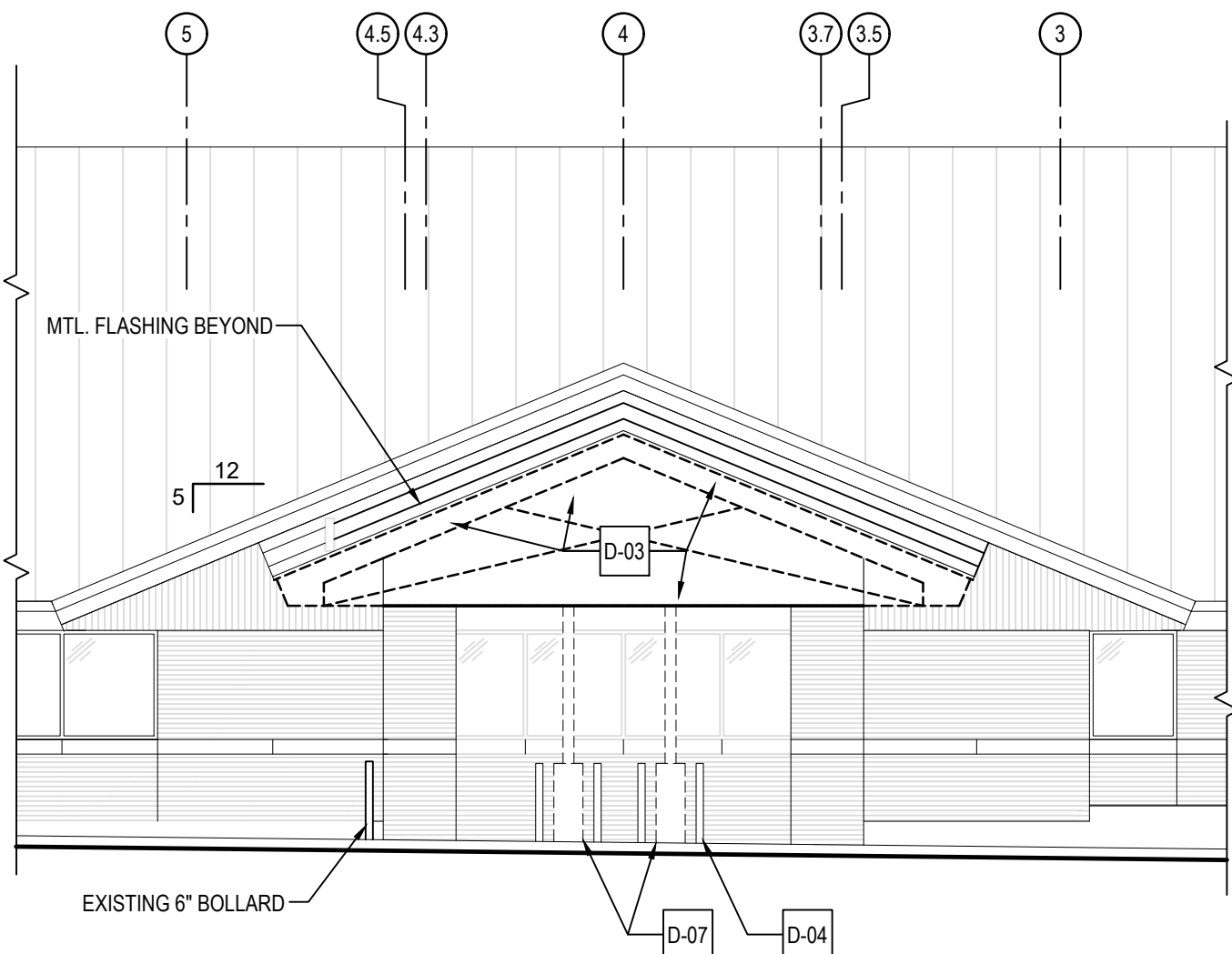
AB	anchor bolt	HORIZ	horizontal
ABV	above	HT	height
ADJ	adjacent		
AF	above finish floor	INT	interior
ALT	alternate		
APPROX	approximate	JT	joint
ARCH	architect, architectural	JT	joint
BC	bottom chord	LLH	long leg horizontal
BCX	bottom chord extension	LLV	long leg vertical
BE	bottom of (E) footing	LONG	longitudinal
BEBG	bottom of (E) grade beam		
BLDG	building	MAS	masonry
BLOCK	blocking	MAX	maximum
BOF	bottom of footing	MC	moment connection
BOT	bottom	MECH	mechanical
BRG	bearing	MIN	minimum
BS	both sides	MISC	miscellaneous
BU	both ways		
CANT	cantilever	NOM	nominal
CFMF	cold-formed metal framing	N8	not to scale
CI	cast in place	NT5	not to scale
CJ	central joint		
CLG	ceiling	OC	on center
CLR	clear	OPNG	opening
CM	concrete masonry	OPP	opposite
COL	column		
CONC	concrete	P8F	pounds per square foot
CONN	connection, connect	P8I	pounds per square inch
CONST	construction	R	radius
CONT	continuous	RE	reinforcing, reinforced
		REQD	required
DBL	double	SCHED	schedule
DET	detail	SECT	section
DIA	diameter	SIM	similar
DM	dimension	SOG	slab on ground
DWG	drawing	SPEC	specification
		SQ	square
EA	each	STD	standard
EQ	elevation		
EQ	equipment		
EQUIP	equipment	TIB	top and bottom
EXP	expansion	TIG	longue and groove
Ext	exterior	TCX	top chord extension
		TEF	top of (E) footing
		THK	thick
FDN	foundation	TOC	top of concrete
FIN	finish	TOF	top of footing
FL	flange	TOI	top of masonry
FLR	floor	TOI	top of steel
FS	for side	TOU	top of wall
FTG	footing	TRANS	transverse
		TYP	typical
GA	gage		
GALV	galvanized		
GR	grade		
GR BM	grade beam		

S-101

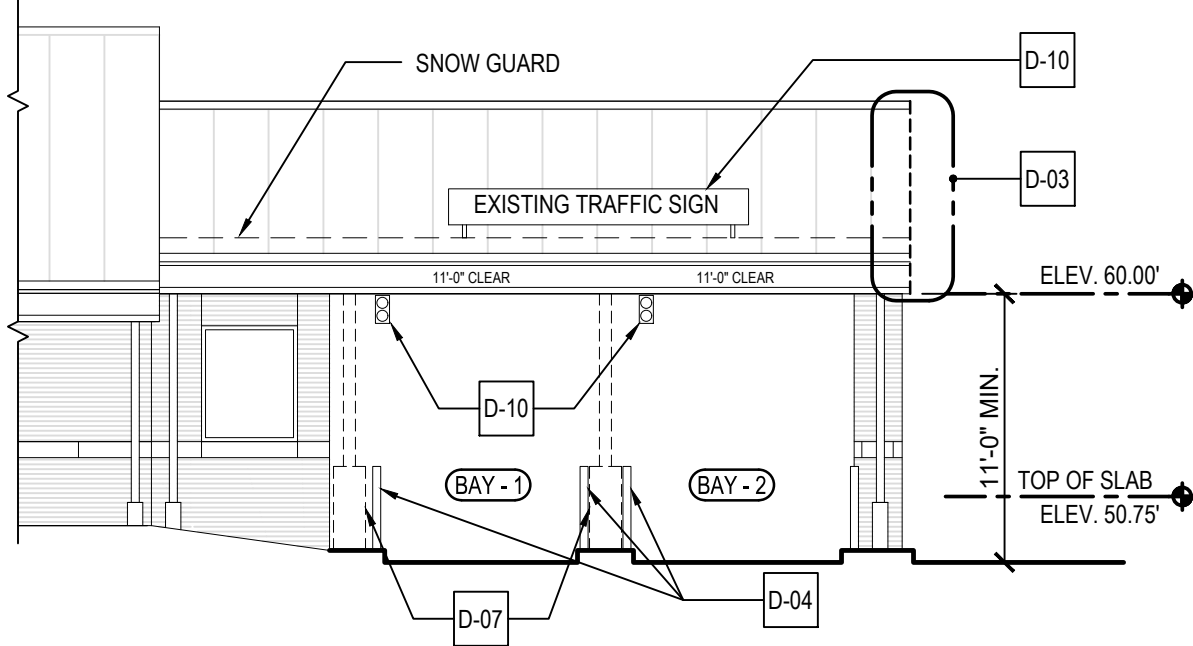


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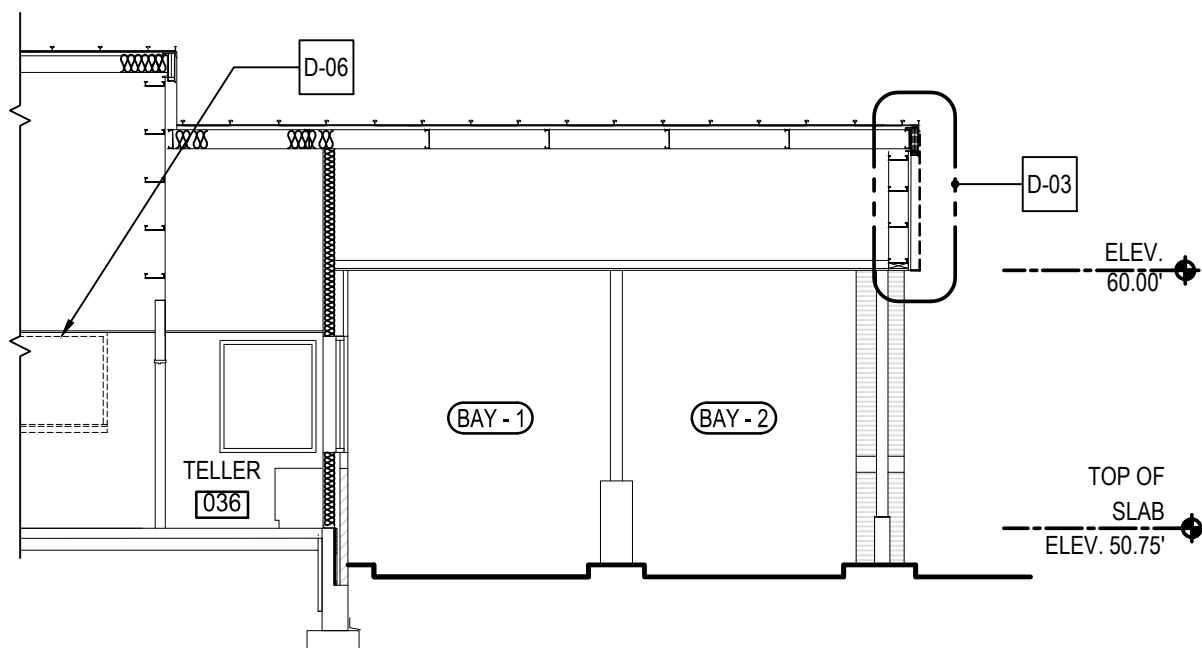
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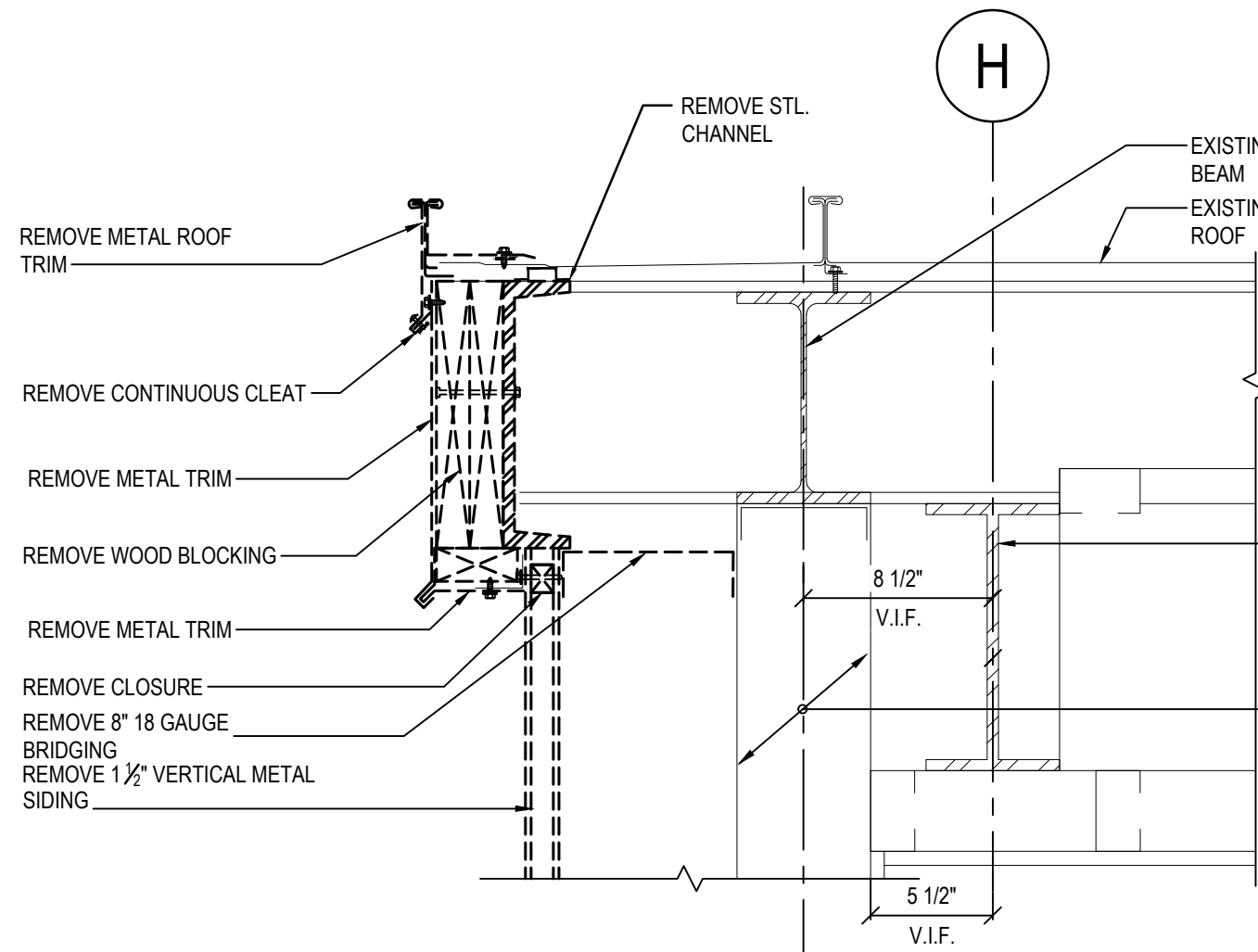
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AD101 SCALE: 1/8" = 1'-0"



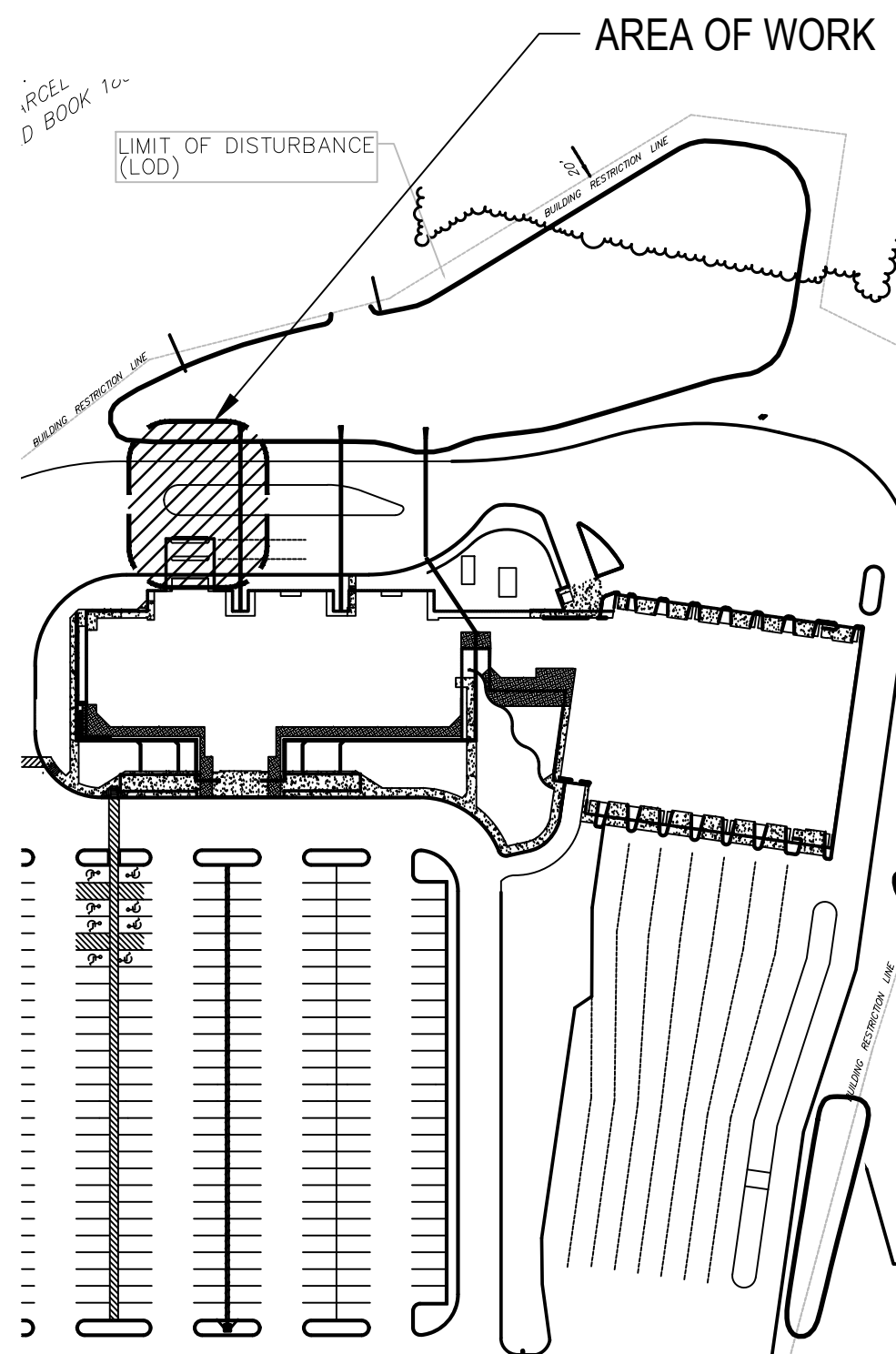
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AD101 SCALE: 1/8" = 1'-0"



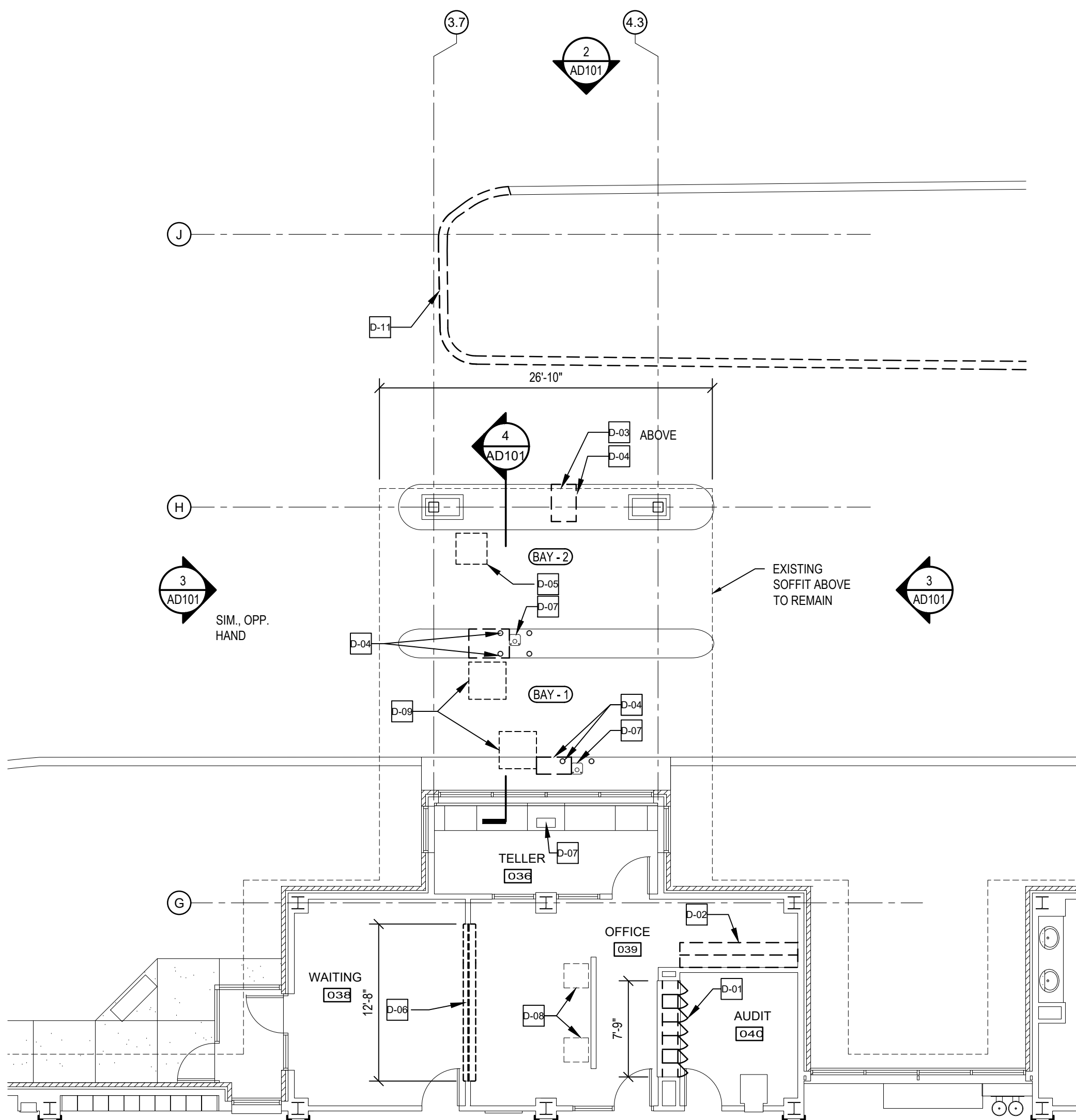
4 DEMOLITION SECTION
AD101 SCALE: 1/8" = 1'-0"



5 DEMOLITION RAKE DETAIL
AD101 SCALE: 1 1/2" = 1'-0"



KEY PLAN
SCALE: N.T.S.



1 PARTIAL DEMOLITION PLAN
AD101 SCALE: 1/8" = 1'-0"

SYMBOL LEGEND	
	EXISTING TO REMAIN
	KEY NOTE TAG. SEE KEY NOTE INSTRUCTIONS / NARRATIVE FOR MORE INFORMATION
	INDICATES EXISTING TO REMAIN
	INDICATES EXISTING TO BE DEMOLISHED
	INDICATES AREA OF CONCRETE OR ASPHALT TO BE DEMOLISH AND EXCAVATED
GENERAL DEMOLITION NOTES	
1. ALL AREAS AND PARTITIONS NOT DASHED OR NOTED TO BE REMOVED SHALL REMAIN INTACT.	
2. PATCH AND REPAIR EXIST. ADJACENT PARTITIONS AND FINISHES AS REQUIRED AFTER DEMOLITION TO MATCH EXIST. OR IN ACCORDANCE W/ PROPOSED RENOVATIONS.	
3. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING, OR OTHER SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF ELEMENTS TO BE DEMOLISHED AND ADJACENT EXIST. ELEMENTS TO REMAIN.	
4. SELECTIVE DEMOLITION WORK INCLUDES REMOVAL OF NON-STRUCT ITEMS INDICATED. REFER TO MECH, PLBG, ELEC, DEMOLITION DRAWINGS FOR ADDITIONAL SCOPE. THIS DRAWING DOES NOT SHOW ELEC, WATER, HVAC, AND MOST OTHER SERVICES.	
5. LOCATE AND IDENTIFY EXIST. UTILITIES, INCLUDING SANITARY SEWER SYSTEM, AND ASCERTAIN THEIR CONDITION TO ENSURE ADEQUATE PERFORMANCE OF ALL UTILITIES IN NEW CONSTRUCTION. PROTECT UTILITY LINES AND HARDWARE DURING DEMOLITION AND CONSTRUCTION PHASES.	
6. THE CONTRACTOR SHALL SAFELY SECURE ANY AND ALL PIPING, WIRING, CABLES, OR DEVICES THAT ARE NOT SCHEDULED FOR DEMOLITION, AND WERE SECURED BY ITEMS THAT HAVE BEEN OR ARE SCHEDULED FOR DEMOLITION.	
7. UPON COMPLETION OF THE DEMOLITION WORK, ALL AREAS SHALL BE LEFT BROOM CLEAN TO THE SATISFACTION OF THE OWNER.	
8. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXTERIOR CLOSURES THROUGHOUT THE DURATION OF THE WORK.	
9. CONTRACTOR SHALL PROMPTLY PATCH AND REPAIR DAMAGE CAUSED TO ADJACENT CONSTRUCTION BY DEMOLITION WORK. RESTORE EXPOSED FINISHES IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.	
10. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, NOTIFY OWNER IMMEDIATELY COMPLY W/ APPLICABLE REGULATIONS, LAWS, AND ORDINANCES CONCERNING REMOVAL, HANDLING, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION. BURNING OF REMOVED MATERIALS IS NOT PERMITTED ON THE PROJECT SITE.	
11. REMOVE DEBRIS AND CLEAN EXISTING INTERNAL GUTTER AT EXISTING PORTION OF CANOPY. PATCH WITH NEW EPDM FLASHING AS NEEDED.	
DEMOLITION KEY NOTES	
D-01	REMOVE EXISTING MAIL BOX SYSTEM. PREP OPENING FOR NEW MAILBOX SYSTEM.
D-02	EXISTING SYSTEM FURNITURE TO BE RELOCATED BY OWNER'S VENDOR.
D-03	DEMOLISH AND DISPOSE GABLE END CONSTRUCTION INCLUDING BUT NOT LIMITED TO METAL ROOF TRIM, CONTINUOUS METAL CLEATS, METAL FASCIA TRIM, METAL TRIM CLOSURE, WOOD BLOCKING, VERTICAL METAL SIDING AND STUDS. SEE DETAIL SIAD101.
D-04	DEMOLISH AND DISPOSE PORTION OF CONCRETE AND BOLLARDS AS REQUIRED FOR THE INSTALLATION OF NEW BOLLARDS AND NEW PNEUMATIC TUBE SYSTEM.
D-05	DEMOLISH AND DISPOSE PORTION OF EXISTING EXTERIOR CEILING / SOFFIT FOR THE INSTALLATION NEW ACCESS PANEL.
D-06	DEMOLISH AND DISPOSE OF EXISTING COUNTERTOP AND WINDOW SYSTEM. PREPARE WALL OPENING FOR NEW WALL INFILL.
D-07	REMOVE EXISTING PNEUMATIC TUBE SYSTEM IN ITS ENTIRETY.
D-08	EXISTING PRINTERS TO BE RELOCATED BY OWNER.
D-09	REMOVE EXISTING ACCESS PANEL.
D-10	REMOVE ELECTRONIC SIGNAGE AND SIGNALING DEVICES. SEE ELECTRICAL DRAWINGS.
D-11	EXISTING PAVEMENT AND CURBING TO BE REMOVED IN THIS AREA. SEE CIVIL DRAWINGS.

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DATE OF SIGNATURE: _____
DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

PROJECT

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
MC5511000076
PAY LANE EXPANSION
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19447

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

PARTIAL DEMOLITION
PLAN, ELEVATIONS, AND
SECTIONS

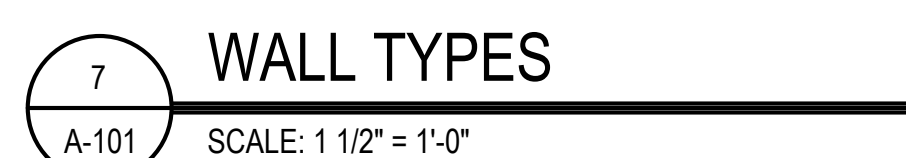
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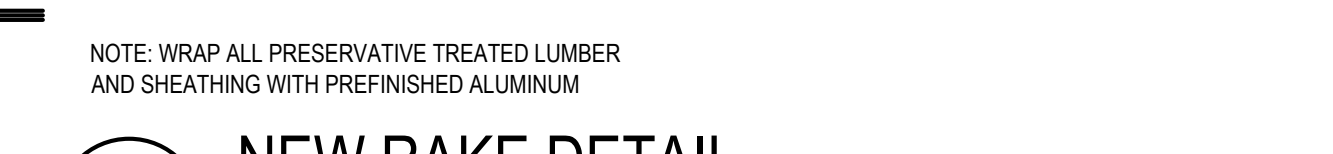
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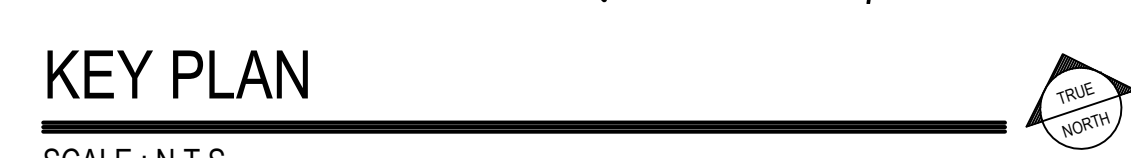
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AD101






C-01	CONCRETE TURN-DOWN SLAB. SEE CIVIL DRAWINGS AND DETAIL 6/A-501
C-02	NEW BRICK ENCLOSURE WITH 4" CMU. BACK-UP. NEW BRICK ENCLOSURE TO MATCH EXISTING BRICK, STYLE, SIZE AND COLOR. SEE DETAIL 2/A-101
C-03	PROVIDE AND INSTALL NEW INTEGRATED GUTTER, DOWNSPOUT AND BOOT. INSTALL NEW UNDERGROUND STORM WATER PIPING AND TIE INTO EXISTING STORM WATER SYSTEM. SEE CIVIL DRAWINGS.
C-04	PROVIDE AND INSTALL NEW LIGHTING FIXTURES. SEE ELECTRICAL DRAWINGS.
C-05	PROVIDE AND INSTALL NEW 36" x 36" STAINLESS STEEL ACCESS PANELS IN EXTERIOR/ SOFFIT.
C-06	PROVIDE AND INSTALL NEW SNOW GUARD, NEW SNOW GUARD, HARDWARE AND MOUNTING BRACKETS TO MATCH EXISTING - SEE DETAIL 2/A-102.
C-07	PROVIDE AND INSTALL NEW STANDING SEAM METAL ROOF.
C-08	PROVIDE AND INSTALL NEW CONCRETE FILLED BOLLARDS ON THICKENED SLAB. SEE DETAILS 4/A-501, 5/ A-501 AND 7/ A-501 AND CIVIL DRAWINGS.
C-09	SEE DETAIL 7/A-102 AND 5/A-102 FOR GABLE END CONSTRUCTION DETAIL.
C-10	PROVIDE AND INSTALL NEW DIGITAL SIGN. SEE ELECTRICAL DRAWINGS.
C-11	PROVIDE AND INSTALL NEW TRAFFIC CONTROL LIGHT SEE ELECTRICAL DRAWINGS.
C-12	NOT USED.
C-13	PROVIDE AND INSTALL NEW PNEUMATIC VACUUM TUBE SYSTEM PER MANUFACTURES SPECIFICATIONS- SEE A-501 FOR DETAILS.
C-14	SEE CIVIL DRAWINGS FOR EXTENT OF NEW SITE WORK.
C-15	PROVIDE AND INSTALL NEW 3 5/8" METAL STUD AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES WITHIN EXISTING WALL OPENING. PROVIDE AND INSTALL NEW 3 1/2" ACOUSTICAL BATT INSULATION INSIDE WALL CAVITY. PAINT ENTIRE WALL TO NEAREST CORNER, BOTH SIDES.
C-16	PROVIDE AND INSTALL NEW 30" DEEP SOLD SURFACE WITH 4" BACK AND SIDE SPLASH AT 30" HIGH. INSTALL COUNTERTOP SUPPORT BRACKETS AT 48" ON CENTER.
C-17	NEW OVERHEAD VACUUM TUBE DROPS
C-18	PROVIDE AND INSTALL VENT SOFFIT PANEL.
C-19	PROVIDE AND INSTALL METAL SOFFIT.
C-20	NOT USED.
C-21	EXTEND EXISTING DRY SPRINKLER SYSTEM INTO NEW CANOPY AS REQUIRED.
C-22	RELOCATED PRINTER. SEE ELECTRICAL DRAWINGS FOR POWER AND DATA REQUIREMENTS.
C-23	PROVIDE AND INSTALL NEW MAILBOX SYSTEM. SEE DETAIL 8/A-501
C-24	RELOCATED SYSTEMS FURNITURE BY OWNER (NIC).
C-25	EXTEND EXISTING LIGHTING PROTECTION SYSTEM TO NEW ROOF. ADD NEW CONDUIT AND ROOFS AS REQUIRED.
C-26	REMOVE AND REINSTATE EXISTING ROOF DRAIN AND DRAIN STRAINER. PROVIDE AND INSTALL NEW EPDM 9" FIRM FLASHING TO SEAL THE EXISTING GUTTER MEMBRANE TO THE DROP PIPING.
C-27	REPLACE END STANDING SEAM PANEL AT EXISTING ROOF. (BOTH SIDES).
C-28	PROVIDE NEW DIGITAL SIGN AND STRUCTURAL SUPPORT FRAMING AND PENETRATIONS. - REFER TO ELECTRICAL DRAWINGS AND DETAILS 1/A-502 AND 2/A-502.

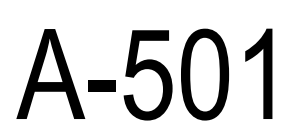


KEY PLAN

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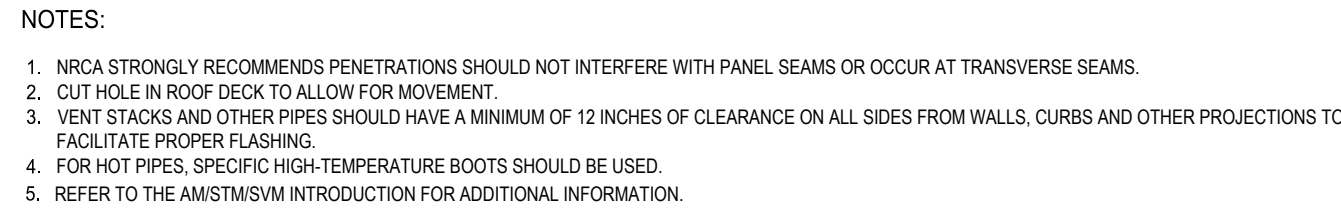
SIGNAGE SUPPORT STAND

2008

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AM-12

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A-502



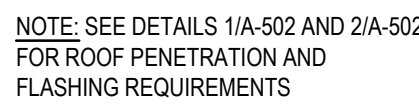
SIGNAGE SUPPORT FLASHING

2008

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A-502

CONSULTANT

THE PROFESSIONAL SERVICES OF THE ARCHITECT ARE UNDERTAKEN FOR AND ARE PERFORMED IN THE INTEREST OF [NAME OF PERSON EMPLOYING ARCHITECT]. NO CONTRACTUAL OBLIGATION IS ASSUMED BY THE ARCHITECT FOR THE BENEFIT OF ANY OTHER PERSON INVOLVED IN THE PROJECT.

SIGNATURE: _____
DATE OF SIGNATURE: _____
DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
COMB / DIVISION OF FACILITIES MANAGEMENT
MC5511000076
PAY LANE EXPANSION
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19947

PROJECT

[illegible]

SHEET TITLE

DETAILS

ISSUED FOR
BID

APRIL 11, 2025

DRAWN	CHK'D	PROJECT NO.
PJT	DSR	23109

SHEET NO.








A-502

Power Devices








Lighting Controls	
\$	WALL SWITCH - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ ₃	WALL SWITCH (3-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ ₄	WALL SWITCH (4-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ _T	DIGITAL TIMER SWITCH - HUBBELL / DT0809W OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING BETWEEN SWITCH AND LIGHT FIXTURES.
\$ _{3K}	KEYED WALL SWITCH (3-WAY) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE
\$ _{MS}	WALL SWITCH (MOTION SENSOR) - 1000W, 120/277V, LEGRAND-DSW-301-W OR APPROVED EQUAL.
\$ _{DMS}	WALL SWITCH (DIMMING MOTION SENSOR) - 20A, 120/277V, SINGLE POLE, HEAVY DUTY, TOGGLE TYPE. PROVIDE 8-10V WIRING BETWEEN LIGHT FIXTURES AND DIMMER SWITCH. LEGRAND-DW-311 OR APPROVED EQUAL.
\$ _D	SLIDING DIMMER WITH ON/OFF SWITCH, RATED FOR 120/277V, 105 AMP, LEGRAND / CDAF3P OR APPROVED EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE LOW VOLTAGE WIRING BETWEEN SWITCH AND LIGHT FIXTURES.
EL	EMERGENCY LIGHTING CONTROL UNIT. WATTSSTOPPER, ELU-200 OR APPROVED EQUAL. SEE EMERGENCY LIGHTING RATED DETAIL.
MS	MOTION SENSOR, CEILING MOUNTED, 2000 SOFT - HUBBELL / OMNI-OT-2000 OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING TO POWER PACK.
PP	POWER PACK - HUBBELL / UVPP OR APPROVED EQUAL. PROVIDE LOW VOLTAGE WIRING TO MOTION SENSOR. CONNECT TO LOCAL LIGHTING CIRCUIT WITH 2#12 + 1#12S - 3/4" C.WIRING.
PC	PHOTOCELL - WALL MOUNTED, NORTH FACING, LINE VOLTAGE RATED 120/277V, TORK NSI INDUSTRIES / 2020 SERIES OR APPROVED EQUAL.

Fire Alarm Devices

Communication Devices

	TELECOMMUNICATION OUTLET - DATA WIRING DEVICE WITH RJ45, CAT6 JACKS. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF. (TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. NUMBER INSCRIBED IN TRIANGLE SHOWS NUMBER OF JACKS/DROPS AT THAT OUTLET LOCATION. ELECTRICAL BOX TO BE 2-1/8" DEEP.
	TELECOMMUNICATION OUTLET - COMBINATION DATA/VOICE WIRING DEVICE WITH (1) RJ45, CAT5E JACK FOR VOICE AND (2) RJ45, CAT5E JACK FOR DATA. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF. (TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. ELECTRICAL BOX TO BE 2-1/8" DEEP.
	WIRELESS ACCESS POINT
	PUBLIC ADDRESS SPEAKER
	1X2 CEILING SPEAKER
	CAMERA
	PANIC BUTTON

Communication Devices

	TELECOMMUNICATION OUTLET - DATA WIRING DEVICE WITH RJ45, CAT6 JACKS. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF. (1TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. NUMBER INSCRIBED IN TRIANGLE SHOWS NUMBER OF JACKS/DROP(S) AT THAT OUTLET LOCATION. ELECTRICAL BOX TO BE 2-1/8" DEEP.
	TELECOMMUNICATION OUTLET - COMBINATION DATA/VOICE WIRING DEVICE WITH (1) RJ45, CAT5E JACK FOR VOICE AND (2) RJ45, CAT5E JACK FOR DATA. PROVIDE 4-PAIR, CAT-6 CABLE BETWEEN EACH JACK AND IDF. (1TR) ROOM WITH ADEQUATE SLACK FOR FINAL TERMINATION TO NETWORK OR TELEPHONE PATCH PANEL. ELECTRICAL BOX TO BE 2-1/8" DEEP.
	WIRELESS ACCESS POINT
	PUBLIC ADDRESS SPEAKER
	1X2 CEILING SPEAKER
	CAMERA
	PANIC BUTTON

- PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, COORDINATION, ADDITIONAL DESIGN AND ALL INCIDENTALS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM AS DETAILED ON PLANS TO THE SATISFACTION OF THE ENGINEER AND THE OWNER. COORDINATE ALL WORK WITH THE ENGINEER BEFORE THE START OF WORK.
- PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR SHALL INCLUDE IN THEIR BID ALL MATERIAL, LABOR, AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY INDICATED OR NOT. ALL ERRORS, OMISSIONS AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE VISIT BY THE CONTRACTOR.
- PERFORM WORK AS REQUIRED BY APPLICABLE CODES, REGULATIONS, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENT. CONTRACTOR SHALL COMPLY WITH ALL LAWFUL JURISDICTION. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- MATERIAL AND EQUIPMENT SHALL BE NEW (UNLESS NOTED), UL, NEMA, ANSI, IEEE, ADA & CMB APPROVED FOR INTENDED PURPOSE. MATERIAL AND INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND LOCAL ELECTRICAL CODE.
- GIVE NOTICES, FILE PLANS, OBTAIN PERMITS, AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
- MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WITH ANY REQUESTIONS FOR PAYMENT BEING SUBMITTED.
- GUARANTEE WORK IN WRITING PER SPECIFICATIONS, REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER. SUBMIT GUARANTEE TO OWNER BEFORE FINAL PAYMENT.
- COORDINATE ALL ELECTRICAL ITEMS WITH EXISTING FIELD CONDITIONS. LOCATIONS SHOWN ARE APPROXIMATE AND MAY REQUIRE MINOR ADJUSTMENT IN THE FIELD TO SATISFY THE DESIGN INTENT.
- DAMAGE TO EXISTING FACILITIES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THE LOCATIONS ON THESE PLANS ARE APPROXIMATE AND REQUIRE COORDINATION WITH ALL OTHER TRADES AND VERIFICATION OF EXISTING CONDITIONS. ROUTING OF CONDUIT IS DIAGRAMMATIC IN NATURE AND NOT INTENDED TO SHOW ALL REQUIRED OFFSETS AND DETAILS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING ASSOCIATED EQUIPMENT AND CONDITIONS. COORDINATE THE LOCATION OF ALL EQUIPMENT WITH THE ENGINEER AND THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OTHER TRADE'S DRAWINGS AND SPECIFICATIONS AND COORDINATING WITH ALL OTHER TRADES DURING BIDDING AND CONSTRUCTION. THE CONTRACTOR IS TO INCLUDE CIRCUIT LENGTHS OF WIRE AND CONDUIT REQUIRED TO INSTALL CONNECTED DEVICES AND EQUIPMENT SUCH AS PANELBOARDS, SWITCHBOARDS, TRANSFORMERS, ETC. WITHIN 15 FEET OF THE LOCATION SHOWN.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUITY OF ALL POWER, CONTROL, FIRE ALARM, SECURITY SYSTEMS, AND COMMUNICATIONS FUNCTIONS TO ALL AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
- REPAIR AND PATCH ANY DISTURBED AREAS TO MATCH ADJACENT CONSTRUCTION.
- DISCONNECT AND MAKE SAFE ANY EQUIPMENT TO BE REMOVED BY OTHERS. COORDINATE REMOVAL OF EQUIPMENT WITH OTHER TRADES PRIOR TO DEMOLITION.
- IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THIS CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING, AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADE'S WORK IN THAT AREA.
- PRIOR TO THE START OF DEMOLITION, CONTRACTOR SHALL FIELD VERIFY ALL BRANCH CIRCUITS AND MAINTAIN THOSE CIRCUITS THAT EXTEND OUTSIDE THE SCOPE OF WORK.
- AFTER RENOVATING EXISTING ELECTRICAL WORK, THE CONTRACTOR SHALL ENSURE THAT ALL REMAINING AND NEW EQUIPMENT WILL OPERATE PROPERLY, INCLUDING BUT NOT LIMITED TO BACKFEEDING OF EXISTING POWER AND LIGHTING CIRCUITS. REFER TO SINGLE LINE DIAGRAM.
- ALL ELECTRICAL WORK INSTALLED TO REMAIN SHALL BE SUITABLY PROTECTED TO PREVENT ANY DAMAGE.
- WHERE ELECTRICAL SYSTEMS PASS THROUGH RENOVATED AREAS TO SERVE OTHER PORTIONS OF THE PREMISES, SYSTEMS SHALL BE SUITABLY PROTECTED TO PREVENT DAMAGE OR RELOCATED AND THE SYSTEMS RESTORED TO NORMAL OPERATION. ALL INTERFERENCES IN SYSTEMS SHALL BE COORDINATED WITH OWNER. RESTORE POWER TO EXISTING TO REMAIN EQUIPMENT IF INTERRUPTED BY DEMOLISHED CIRCUITS IN THE AREA.
- CONTRACTOR SHALL SUBMIT FOR REVIEW, SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED ON THE PROJECT. SUBMITTALS SHALL BE REVIEWED BY THE ENGINEER BEFORE PURCHASE OF MATERIALS.
- ALL WIRING SHALL BE COPPER, 90% 75/90% RATED WITH FLAME-RETARDANT, HEAT AND MOISTURE RESISTANT INSULATION. ALL WIRING SHALL BE INSTALLED IN RIGID CONDUIT OR RIGID METAL TUBING WITH GROUNDING BUSBARS, COPPER NEUTRAL BARS, AND COPPER GROUND BARS. ALL NEW TRANSFORMERS SHALL HAVE COPPER WINDINGS.
- PERMANENTLY LABEL ALL NEW ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO, DEVICE DESIGNATION AND SUPPLY CIRCUIT DESIGNATION, UPDATE OR REPLACE PANEL DIRECTORIES TO INCLUDE NEW CIRCUIT INFORMATION RESULTING FROM THIS PROJECT.
- PROVIDE TEMPORARY POWER AND LIGHTING FOR ALL TRADES AS REQUIRED TO COMPLETE THE PROJECT. ALL TEMPORARY AND INTERIM EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS INCLUDING, BUT NOT LIMITED TO NFPA 110 AND NFPA 70.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION THAT IS NOT SHOWN ON THE DRAWINGS.
- OPENINGS IN EXISTING CONCRETE AND MASONRY WALLS AND FLOORS REQUIRED FOR CONDUIT INSTALLATION SHALL BE CORE DRILLED. MAXIMUM CORE DRILL SIZE SHALL BE 5" IN DIAMETER. CORE DRILL LOCATIONS SHALL BE SPACED A MINIMUM OF 6" FROM EACH OTHER MEASURED FROM THE OUTSIDE EDGE OF THE CORE DRILL. ALL CORE DRILL OPENINGS SHALL BE PROPERLY SEALED ACCORDING TO THEIR LOCATION AND APPLICATION.
- ALL OUTAGES SHALL BE KEPT TO A MINIMUM. ALL WORK THAT REQUIRES A SUSTAINED EQUIPMENT OUTAGE SHALL BE PERFORMED CONTINUOUSLY AROUND THE CLOCK UNTIL WORK IS COMPLETED UNLESS NOTED OTHERWISE. COORDINATE OUTAGES WITH OWNER REPRESENTATIVE.
- PROVIDE FOR EACH BRANCH CIRCUIT AND FEEDER CIRCUIT A DEDICATED EQUIPMENT GROUND WIRE. FOR SINGLE PHASE SYSTEMS 120/240 VPH 3W/3W/4W. PROVIDE DEDICATED HOT, DEDICATED NEUTRAL AND DEDICATED EQUIPMENT GROUND WIRING. SHARING OF NEUTRAL OR EQUIPMENT GROUND WIRING IS NOT PERMITTED. WIRING TO ALL HVAC EQUIPMENT OR OTHER TRADE EQUIPMENT SHALL BE IN CONDUIT. ALL EQUIPMENT AND FEEDER WIRING IN MECHANICAL, ROOF/MECHANICAL, OR RECREATION AREAS SHALL BE IN CONDUIT OR RIGID METAL TUBING. ALL WIRING SHALL BE PROVIDED IN EITHER RIGID OR FLEXIBLE METAL CONDUIT. DO NOT USE PLASTIC TIE WRAPS TO SUPPORT CONDUITS AND MC CABLES. MC CABLES SHALL BE SUPPORTED AT MAXIMUM OF 6'-0" WITH SECURELY FASTENED MC CABLE SUPPORT CLAMPS, J-HOOKS, OR METAL CABLE BRACKETS.
- THE USE OF MC CABLEING IS NOT PERMITTED. THE ONLY EXCEPTION IS FROM A JUNCTION BOX TO A LIGHT FIXTURE AT A MAXIMUM LENGTH OF 6'-0".
- PROVIDE IDENTIFICATION LABELS FOR ALL BRANCH CIRCUITS AND FEEDERS CIRCUITS AT JUNCTION BOXES, PANELBOARDS, TROUGHS, AND SPLICER BOXES.
- PROVIDE UNSPECIFIED FEEDERS FROM PANELBOARD OR SWITCHBOARD TO ALL EQUIPMENT, INCLUDING ALL 20 AMPERE, SINGLE POLE BRANCH CIRCUIT WIRING.
- ALL WIRING DEVICES ARE TO BE RECESSED WHERE POSSIBLE, HOWEVER RECESSING IS NOT POSSIBLE, WIRING DEVICES ARE TO BE SURFACE MOUNTED WITH CIRCUIT WIRING ROUTED IN SURFACE MOUNTED CONDUIT PER SPECIFICATIONS.
- ALL CONDUIT PENETRATIONS THROUGH WALLS OR CEILINGS SHALL BE PATCHED AND SEALED WITH FIRE RATED FOAM SEALANT.
- PROVIDE INSULATING BUSHINGS ON CONDUIT THREADS OR CONNECTORS WHERE RACEWAYS WITH CONDUITS OR MC CABLES ENTER A BOX OR ENCLOSURE. THIS BUSHING SHALL BE INSTALLED ON ALL CABLES AND CONDUITS.
- PROVIDE FIRE ALARM RATED CABLE FOR CONNECTIONS BETWEEN FIRE ALARM DEVICES. PROVIDE EMT FOR ALL FIRE ALARM CABLEING, NO MC CABLE IS PERMITTED.
- CONTRACTOR TO PROVIDE A COORDINATION STUDY WHENEVER ANY FEEDER CIRCUITS ARE ADDED TO OR REMOVED FROM THE MAIN DISTRIBUTION / PANELBOARD OF A BUILDING. ADDITIONALLY, PROVIDE A COORDINATION STUDY WHENEVER A NEW FEEDER OR ADDER TO THE MAIN DISTRIBUTION / PANELBOARD IS ADDED TO ADJUST THE TRIP OF THE MAIN CIRCUIT BREAKER AND/OR THE GENERATOR BREAKER ACCORDINGLY.

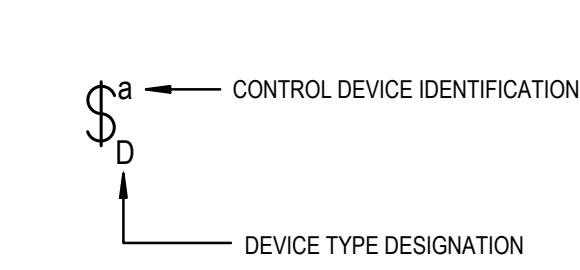
PROVIDE NEW FIRE ALARM SYSTEM DEVICES AND CONNECT TO EXISTING FIRE ALARM SYSTEM (NOTIFIER LOCATED IN THE MAIN ELECTRICAL ROOM). ALL NEW DEVICES AND WIRING SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE REQUIRED TESTING AND INSPECTION AS REQUIRED BY STATE OF DELAWARE FIRE MARSHALL'S OFFICE.

1. ALL LOW VOLTAGE CABLING MUST BE INSTALLED ACCORDING TO BICSI GUIDELINES.
2. ALL CABLING SHALL CONFORM TO THE LATEST EDITION OF THE EIA/TIA STANDARDS.
3. ALL CABLING SHALL BE APPROPRIATELY LABELED.
4. CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT PRIOR TO ITS APPROVAL BY THE ARCHITECT AND ENGINEER. CONTRACTOR WILL BE LIABLE FOR ITS REMOVAL IN ANY SUCH CASE.
5. PROVIDE A COMPLETE GROUNDING SYSTEM FOR ALL LOW VOLTAGE SYSTEMS AS SHOWN.
6. CONTRACTOR TO PROVIDE PATHWAYS FOR LOW VOLTAGE SYSTEMS. PATHWAYS SHALL CONSIST OF IN-WALL CONDUIT, SURFACE MOUNTED SPLIT CHANNEL METALLIC RACEWAY, BACK BOXES, SLEEVES, CHASES, CABLE TRAY AND J-HOOKS. ANY PENETRATION OF A FIRE-RATED BARRIER MUST BE FIRE-STOPPED IN ACCORDANCE WITH LOCAL AND STATE LAWS AND THE AUTHORITY HAVING JURISDICTION.
7. PRIOR TO BEGINNING ANY WORK, SECURE NECESSARY PERMITS OR CLEARANCES FROM THE AUTHORITIES HAVING JURISDICTION. PROVIDE AS LABOR AND MATERIALS FOR A COMPLETE INSTALLATION. WORK SHALL BE EXECUTED BY EXPERIENCED TRADESMEN WHO ARE LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED.
8. CONDUITS SHALL BE RUN BEHIND FINISHED SURFACES WHERE POSSIBLE UNLESS OTHERWISE NOTED.
9. THE TELECOMMUNICATION PLANS ARE DIAGRAMMATIC ONLY. COORDINATE TECHNOLOGY EQUIPMENT LOCATION AND INSTALLATION WITH EQUIPMENT BEING SERVED.
10. CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO COMPLETION OF CONSTRUCTION TO ALLOW SUFFICIENT TIME FOR COORDINATION OF EXISTING BUILDING ACTIVITIES WITH THE CONSTRUCTION WORK.
11. THE CONTRACTOR SHALL INCLUDE IN THE WORK WITHOUT EXTRA COST, ANY LABOR, MATERIALS, SERVICES, APPARATUS, DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS), IN ORDER TO COMPLY WITH ALL APPLICABLE LAWS, INDICATED AND/OR SPECIFIED.
12. BEFORE SUBMITTING BIDS, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE ALL ADJOINING EXISTING BUILDINGS, EQUIPMENT AND SPACE CONDITIONS ON WHICH HISHER WORK IS IN ANY WAY DEPENDENT FOR THE BEST WORKMANSHIP AND OPERATION ACCORDING TO THE INTENT OF THE SPECIFICATIONS AND DRAWINGS. HE/SHE SHALL REPORT TO THE ARCHITECT/ENGINEER ANY CONDITIONS WHICH MIGHT PREVENT HINHER FROM INSTALLING HISHER EQUIPMENT IN THE MANNER SPECIFIED TEN DAYS PRIOR TO SUBMISSION OF BIDS.
13. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED OR WORK TO BE PERFORMED.
14. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCOVERED CONFLICTS BETWEEN EXISTING INSTALLATIONS WHICH ARE NOT SCHEDULED FOR DEMOLITION AND THE NEW WORK INDICATED WITHIN THE CONTRACT DOCUMENTS. SUCH NOTIFICATION SHALL BE ACCOMPANIED BY A DRAWING DELINEATING THE PROPOSED SOLUTION PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA.
15. THE EXACT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL SYSTEMS. PROVIDE ALL WIRES AND CABLES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON PLAN OR NOT.
16. REFER TO ARCHITECTURAL DRAWINGS FOR THE FINISH. EXACT LOCATION, ELEVATION, MOUNTING HEIGHTS AND DETAILS OF ALL LIGHT FIXTURES AND DEVICES WITHIN THE CEILING GRID FOR COORDINATION WITH TECHNOLOGY EQUIPMENT. REPORT ANY DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.
17. WHEREVER CONDUITS PENETRATE FLOORS OR FLOORS, SPACE REMAINING IN SUCH PENETRATIONS SHALL BE FILLED. FILLING MATERIAL SHALL BE FIRE RESISTIVE WITH RATING EQUAL TO THE RATING OF THE FLOOR OR WALL ITSELF.
18. PROVIDE AND LEAVE ACCESSIBLE PULL STRINGS IN ALL CONDUITS, RACEWAYS, SLEEVES AND CHASES TO LOW VOLTAGE WIRING TO BE INSTALLED.
19. OUTLET BOXES INSTALLED ON OPPOSITE SIDES OF THE SAME PARTITION SHALL BE STAGGERED. DO NOT MOUNT OUTLET BOXES BACK TO BACK.
20. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, CUT SHEETS, CALCULATIONS AND EQUIPMENT LITERATURE FOR ALL EQUIPMENT BEING PROVIDED AS PART OF THIS SCOPE OF WORK. THE EXACT DEVICE OR PIECE OF EQUIPMENT TO BE INSTALLED MUST BE CLEARLY CALLED OUT FOR THE DESIGN TEAM TO REVIEW.
21. CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DRAWINGS FOR REVIEW AND APPROVAL BY THE DESIGN TEAM PRIOR TO JOB COMPLETION.
22. CONTRACTOR SHALL PROVIDE A COMPLETE PUNCH LIST OF ALL INSTALLED SYSTEMS TO THE CONSTRUCTION MANAGER WHEN THE INSTALLED WORK IS READY TO BE EXAMINED BY THE DESIGN TEAM. INCOMPLETE SYSTEMS SHALL NOT BE REVIEWED UNTIL IT IS DETERMINED THAT THE SYSTEMS ARE APPROXIMATELY COMPLETE.
23. ALL TELECOMMUNICATIONS CABLING SHALL BE PLENUM RATED CAT6, 4 PAIRS, UNSHIELDED TWISTED PAIR CABLE, HUBBELL CAT OR CMPX4 OR EQUIV ROUTED BETWEEN TELEDATA ROOM AND EACH VOICE AND DATA JACK. THE USE OF J-HOOKS IS PERMITTED IN AREAS WITH A SUSPENDED CEILING WHERE ADEQUATE CLEARANCE CAN BE OBTAINED. ALL WIRING IN SPACES WITHOUT CEILINGS OR WITH WALLS WITH ADEQUATE SPACE ABOVE THE CEILING SHALL BE RUN IN EMT. PROVIDE TERMINATIONS AT BOTH PATCH PANEL AND OUTLET. PROVIDE DATA PATCH CORDS (30' L) FOR CONNECTION OF PATCH PANEL, TO FUTURE ETHERNET SWITCH. CONTRACTOR SHALL DETERMINATE ALL CONNECTIONS. PROVIDE ADDITIONAL CAT6 48 PORT PATCH PANELS IN MDF OR DP, AS APPLICABLE, AS REQUIRED TO SUPPORT ADDITIONAL DATA CONNECTIONS IN MDF/ID. DATA PATCH PANELS SHALL BE HUBBELL MM HP648 OR APPROVED EQUAL.
24. CABLE AND JACKS SHALL BE OF TYPE AND COLOR SHOWN:

FUNCTION	TYPE	CABLE AND JACK
DATA	CAT6	BLUE
VIDEO	CAT6	PURPLE
WAP	CAT6	BLUE

(D) - DENOTES EQUIPMENT OR WIRING TO BE DEMOLISHED	KVA - KILO VOLT AMPERE
(E) - DENOTES EXISTING EQUIPMENT OR WIRING TO REMAIN	LS - LONG EXPOSURE
(ND) - DENOTES NEW EQUIPMENT OR WIRING	LI - LONG TIME + INSTANTANEOUS
	LSI - LONG TIME + SHORT TIME + INSTANTANEOUS
A - AMPS	MCP - MAIN CIRCUIT BREAKER
AF - AMPERE FRAME	MDP - MAIN DISTRIBUTION PANEL
AFB - ABOVE FINISHED FLOOR	MIS - MANUAL TRANSFER SWITCH
AT - AMPERE TRIP	MISC - MEGA VOLT AMPERE SHORT CIRCUIT
ATS - AUTOMATIC TRANSFER SWITCH	OC - ON CENTER
BLDG - BUILDING	PH - PHASE
C - CONDUIT	QO - QWIK OPEN PROTECTION
CB - CIRCUIT BREAKER	SPD - SURGE PROTECTIVE DEVICE
ENCL - ENCLOSURE	SW - SWITCH
FA - FIRE ALARM	SWBD - SWITCHBOARD
G - GROUND	UG - UNDERGROUND
GE - GENERAL ELECTRIC	V - VOLTS
KA - KILO AMPERE	W - WATTS OR WIRE
KV - KILO VOLT	Z - IMPEDANCE


Wiring Devices



LIGHTING FIXTURE SCHEDULE

TYPE	LAMPS	VOLTAGE	MOUNT	FIXTURE DESCRIPTION	MANUFACTURER/CATALOG NUMBER	REMARKS
A	LED 4076 LUMENS	120/277	RECESSED	2X2 RECESSED WEATHERPROOF LED LIGHT FIXTURE	KURTZON / VL-R-3-2X2-3LED-840-1 OR APPROVED EQUAL	PROVIDE WITH MOUNTING HARDWARE.
B	LED	120	SURFACE	TRAFFIC SIGNAL LIGHT FIXTURE - TO MATCH EXISTING	ALCKO / 207H-BRK02T-2SW OR APPROVED EQUAL	PROVIDE WITH MOUNTING HARDWARE.
C	LED 2100 LUMENS	120/277	RECESSED	2X2 LED FLAT PANEL, 10 YEAR WARRANTY, L70 @ 100,000 HOURS	MAXLITE / MLFP-22-G5-15W-CS-OR OR APPROVED EQUAL	PROVIDE WITH MOUNTING HARDWARE. FIELD SELECT 4000K AND 15W.

4/11/2025 2:31 PM



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

- ED-



SCALE : N.T.S.

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ARCHITECT / ENGINEER SEA

STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DIVISION OF FACILITIES MANAGEMENT
23373 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19947

PROJECT

REVISIONS

[illegible]

SHEET TITLE

ELECTRICAL DEMOLITION PLAN

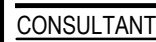
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JD	PP	23109

SHEET NO.

ED101

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PROJECT

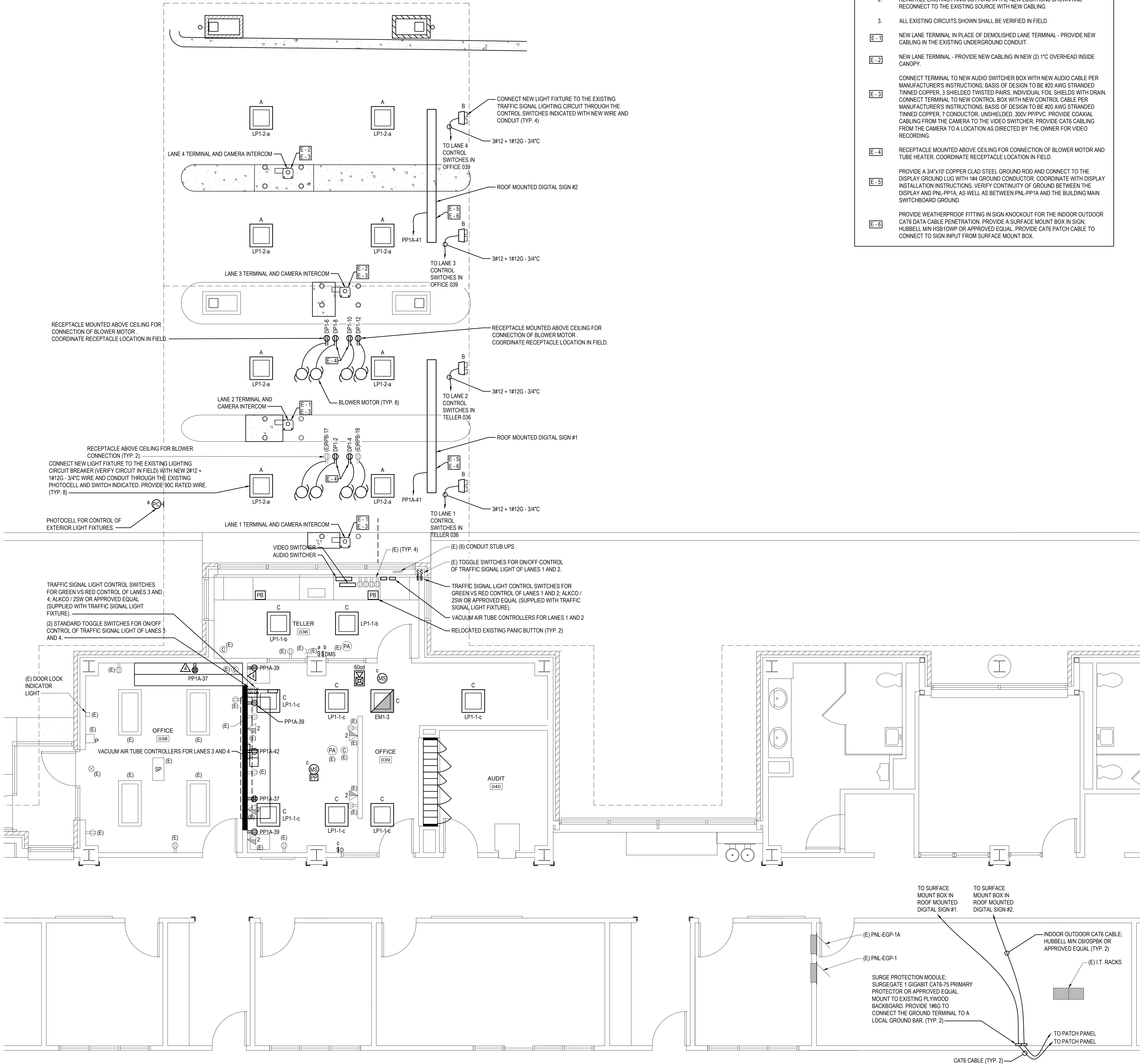
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DRAWN	CHK'D	PROJECT NO.
JD	PP	23109

SHEET NO

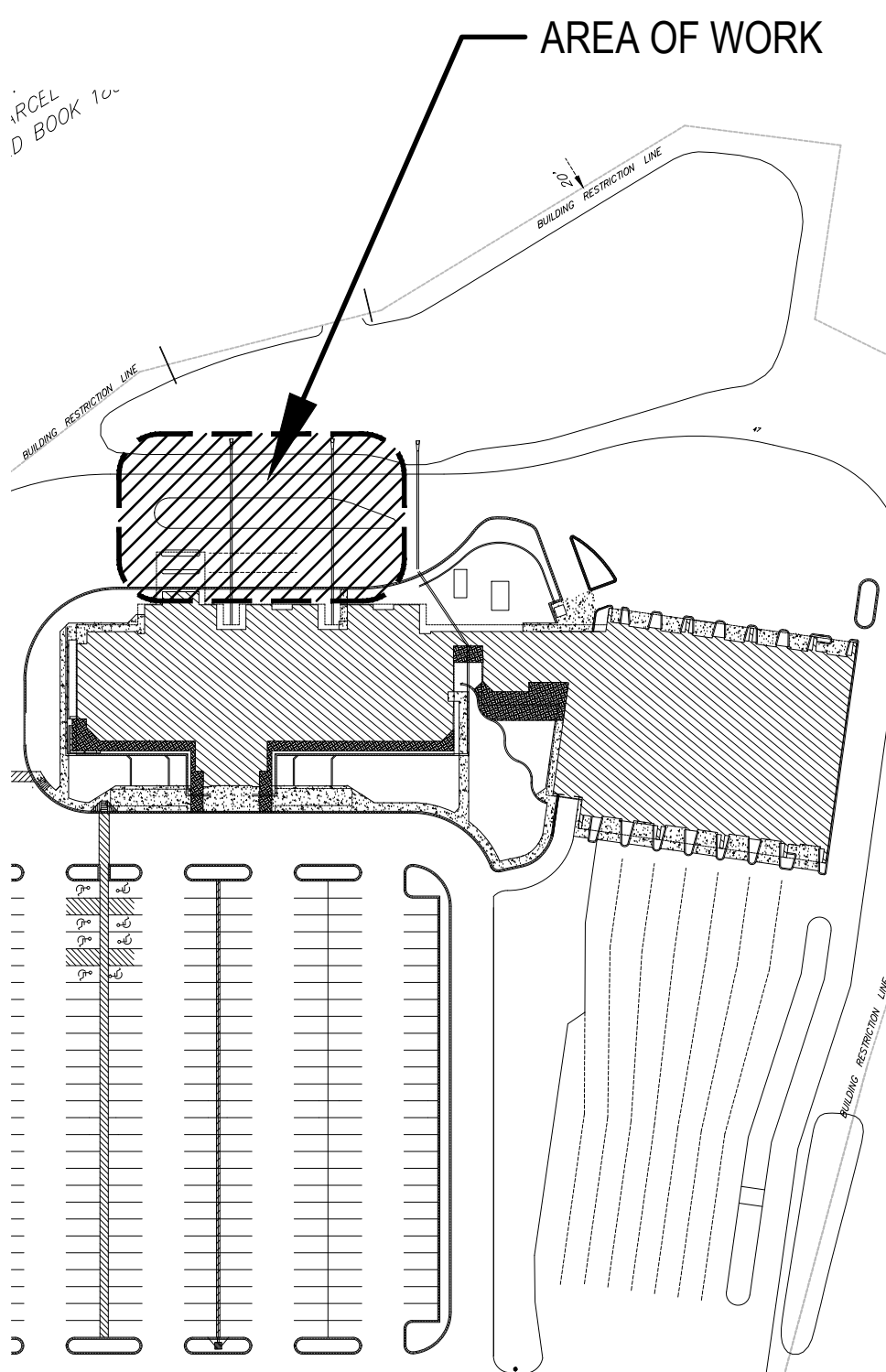
E-100

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EXISTING PANEL									
PANEL: DP1		ELECTRICAL ROOM		VOLTAGE: 208Y/120V, 3PH, 4W					
LOCATION: 400A		BUS: 400A MCB		ENCLOSURE: NEMA-1					
MAIN: SQUARE D - NOOD				A.I.C. RATINGS: MFR.					
QA	QB	QC	DESCRIPTION	Br	Chk	Br	Chk	Br	Chk
0A	0B	0C	0A	0B	0C	0A	0B	0C	0C
kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA
-	-	-	EXISTING LOAD	3	150	1	2	20	1
-	-	-		3	15	4	20	1	RECEPT - VACUUM TUBE BLOWER & HEATER - LANE 1
-	-	-		5	20	1	20	1	RECEPT - VACUUM TUBE BLOWER - LANE 3
-	-	-		7	20	1	8	20	1
-	-	-		9	20	1	10	20	1
-	-	-		11	20	1	12	20	1
-	-	-	EXISTING LOAD	3	150	13	14	-	SPACE
-	-	-		15	20	1	16	-	SPACE
-	-	-		17	20	1	18	-	SPACE
-	-	-		19	20	1	20	-	SPACE
-	-	-		21	20	1	22	-	SPACE
-	-	-		23	20	1	24	-	SPACE
-	-	-	EXISTING LOAD	3	150	25	26	-	SPACE
-	-	-		27	20	1	28	-	SPACE
-	-	-		29	20	1	30	-	SPACE
-	-	-		31	20	1	32	-	SPACE
-	-	-		33	20	1	34	-	SPACE
-	-	-		35	20	1	36	-	SPACE
-	-	-	EXISTING LOAD	3	150	37	38	-	SPACE
-	-	-		39	20	1	40	-	SPACE
-	-	-		41	20	1	42	-	SPACE
-	-	-		43	20	1	44	-	UNUSABLE SPACE
-	-	-		45	20	1	46	-	UNUSABLE SPACE
-	-	-		47	20	1	48	-	UNUSABLE SPACE
-	-	-	UNUSABLE SPACE	-	-	-	50	-	UNUSABLE SPACE
-	-	-	UNUSABLE SPACE	-	-	-	52	-	UNUSABLE SPACE
-	-	-	UNUSABLE SPACE	-	-	-	54	-	UNUSABLE SPACE
CONNECTED LOAD									
PHASE A: _ kVA									
PHASE B: _ kVA									
PHASE C: _ kVA									
TOTAL CONNECTED LOAD = _ kVA									
* PROVIDE NEW CIRCUIT BREAKER AND NEW 2/8" + 1/8" - 3/4"									
** PROVIDE NEW CIRCUIT BREAKER AND NEW 2/8" + 1/8" - 3/4"									

EXISTING PANEL									
PANEL: PP1A		ELECTRICAL ROOM		VOLTAGE: 208Y/120V, 3PH, 4W					
LOCATION: 25A		BUS: MLO		ENCLOSURE: NEMA-1					
MAIN: SQUARE D - NOOD				A.I.C. RATINGS: MFR.					
QA	QB	QC	DESCRIPTION	Br	Chk	Br	Chk	Br	Chk
0A	0B	0C	0A	0B	0C	0A	0B	0C	0C
kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA	kVA
-	-	-	EXISTING LOAD	2	40	1	2	20	1
-	-	-		3	20	1	4	20	1
-	-	-	EXISTING LOAD	1	20	5	6	20	1
-	-	-	EXISTING LOAD	1	20	7	8	20	1
-	-	-	EXISTING LOAD	1	20	9	10	20	1
-	-	-	EXISTING LOAD	1	20	11	12	20	1
-	-	-	EXISTING LOAD	1	20	13	14	20	1
-	-	-	SPARE	1	20	15	16	20	1
-	-	-	EXISTING LOAD	2	20	17	18	20	1
-	-	-	EXISTING LOAD	1	20	19	20	20	1
-	-	-	EXISTING LOAD	1	20	21	22	20	1
-	-	-	EXISTING LOAD	1	20	23	24	20	1
-	-	-	EXISTING LOAD	1	20	25	26	20	1
-	-	-	EXISTING LOAD	1	20	27	28	20	2
-	-	-	EXISTING LOAD	2	30	29	30	-	-
-	-	-	EXISTING LOAD	2	30	31	32	30	1
-	-	-	EXISTING LOAD	2	30	33	34	30	1
-	-	-	EXISTING LOAD	2	30	35	36	30	1
-	-	-	RECEPT - OFFICE 039	1	20	37	38	30	2
-	-	-	RECEPT - PRINTERS - OFFICE 039	1	20	39	40	-	-
-	-	-	DIGITAL SIGNS - PAY LANE ROOF	1	20	41	42	20	1
CONNECTED LOAD									
PHASE A: _ kVA									
PHASE B: _ kVA									
PHASE C: _ kVA									
TOTAL CONNECTED LOAD = _ kVA									
* PROVIDE NEW CIRCUIT BREAKER AND NEW 2/8" + 1/8" - 3/4"									
** PROVIDE NEW LOCKABLE CIRCUIT BREAKER AND NEW 2/8" + 1/8" - 3/4"									



ELECTRICAL PAY LANE EXPANSION PLAN
SCALE: 1/4" = 1'-0"

KEY PLAN
SCALE: N.T.S.

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PAY LANE EXPANSION
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN, DELAWARE 19474

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

ELECTRICAL GROUND LEVEL PLAN

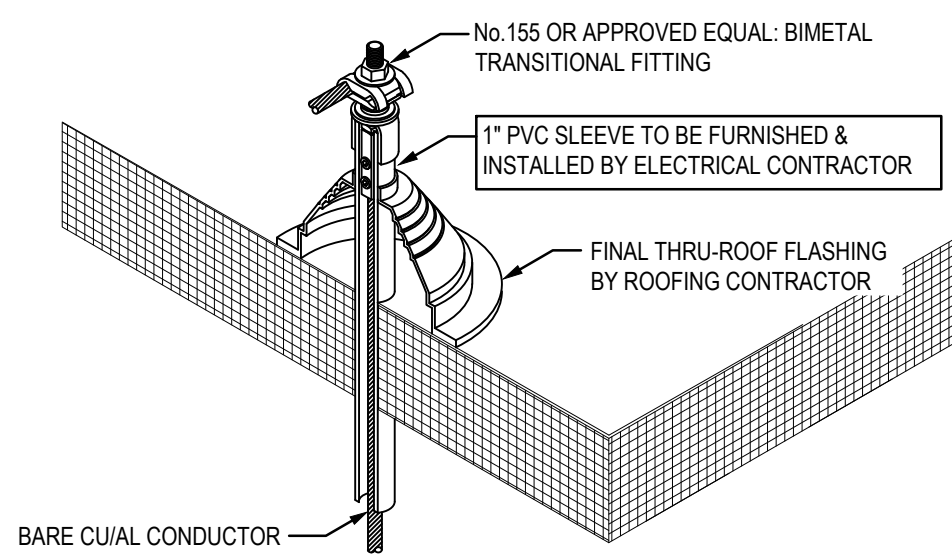
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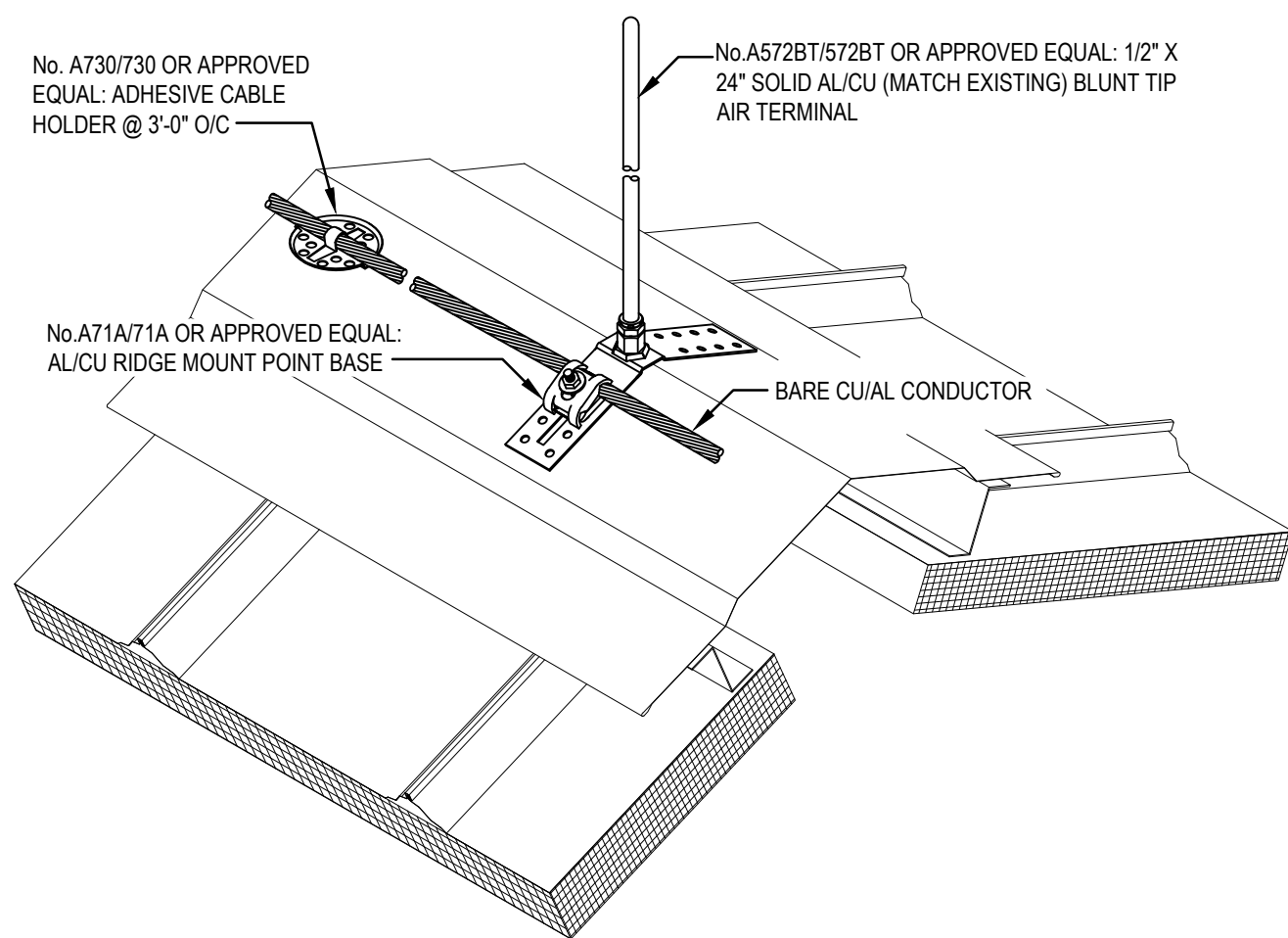
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E-101

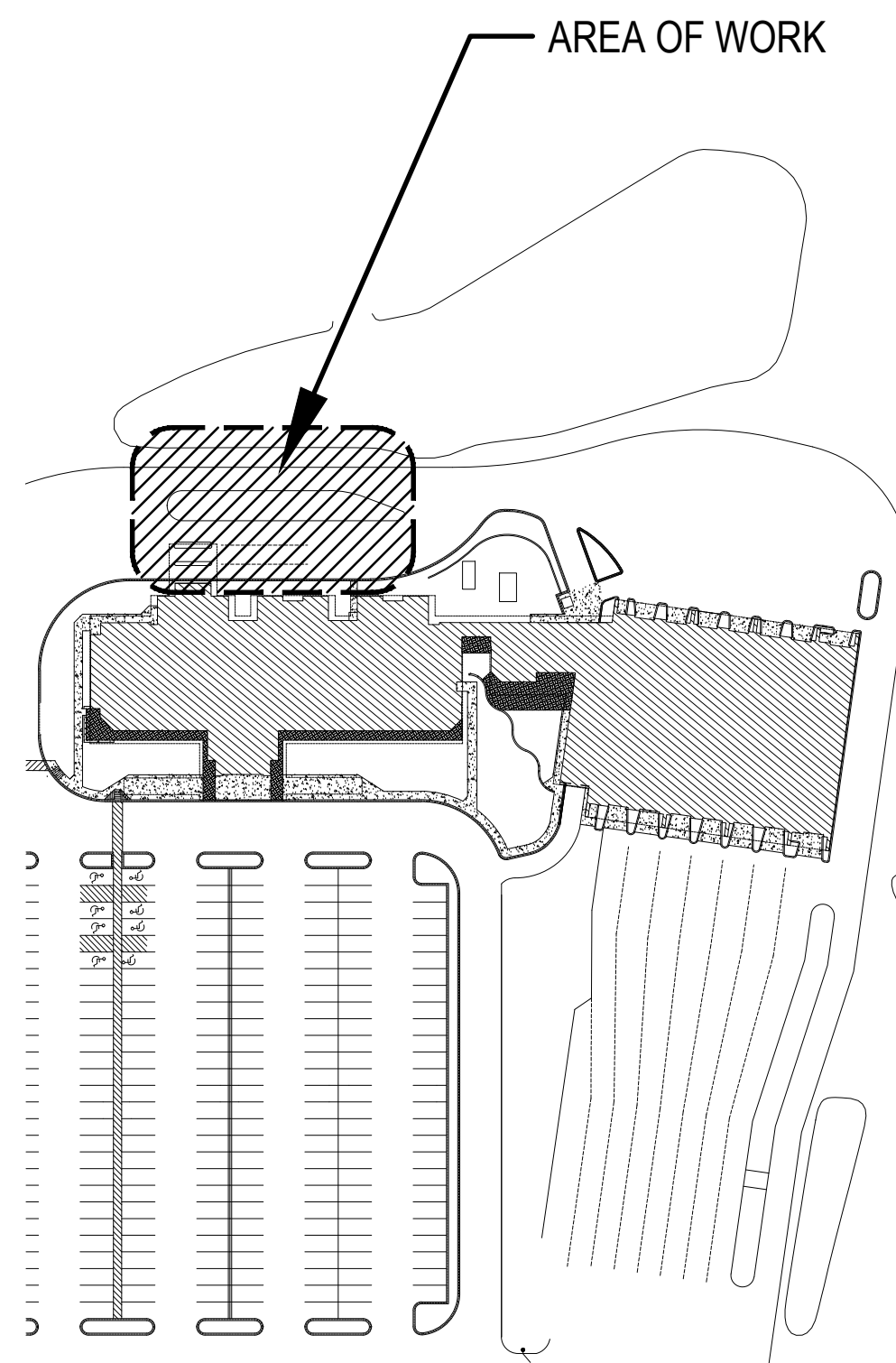
SPLICE THE EXISTING LIGHTNING PROTECTION GROUND WIRE TO THE NEW WITH A CADWELD CONNECTION; NVENT ERICO PT PARALLEL/HORIZONTAL TEE OR APPROVED EQUAL.



3 TYPICAL DOWNLEAD ROOF PENETRATION
E-102 SCALE: NOT TO SCALE



5 TYPICAL RIDGE MOUNTED AIR TERMINAL
E-102 SCALE: NOT TO SCALE



KEY PLAN
SCALE : N.T.S.

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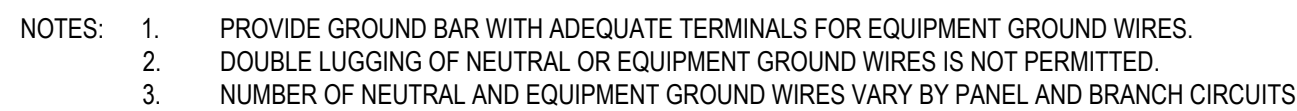
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MC5511000076
PAY LANE EXPANSION
GEORGETOWN DIVISION OF MOTOR VEHICLE
23737 DUPONT BOULEVARD
GEORGETOWN DELAWARE 19947

SHEET TITLE

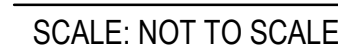
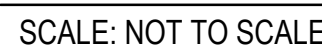
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E-102



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GEORGETOWN, DELAWARE 19047

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ELECTRICAL DETAILS

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E-500