BATTLE CREEK VETERANS AFFAIRS MEDICAL CENTER

UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
VA PROJECT NO.: 515-15-117

BATTLE CREEK
VA MEDICAL CENTER
BATTLE CREEK
5500 Armstrong Road
Battle Creek, Michigan 49037

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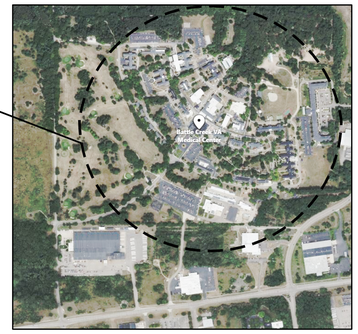
VICINITY MAP

LOCATION OF
BATTLE CREEK
VA MEDICAL CENTER

LOCATION MAP



NOTE:
ALL SHEETS SHALL BE
PRINTED IN COLOR.

515-15-117, UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	
SERVICE	SIGNATURE
EXECUTIVE MEDICAL CENTER DIRECTOR	
ASSISTANT DIRECTOR	
ASSOCIATE DIRECTOR	
CHIEF OF STAFF	
ASSOCIATE DIRECTOR FOR PATIENT CARE SERVICES	
CHIEF, FMS	
CHIEF, ENGINEERING SECTION	
CHIEF, ENVIRONMENTAL MANAGEMENT SERVICE	
INFECTION CONTROL OFFICER	
PATIENT SAFETY MANAGER	
GEMS COORDINATOR	
CHIEF, PUBLIC SAFETY SERVICE	
CHIEF, FIRE SERVICE	
UNION SAFETY REPRESENTATIVE	
CONTRACTING OFFICER	
COR	

Revisions:	Date:
FINAL BID DOCUMENT PHASE.REV	2026.01.19
FINAL BID DOCUMENT PHASE	2024.09.27
CONSTRUCTION DOCUMENT PHASE.REV	2024.05.01
CONSTRUCTION DOCUMENT PHASE	2024.01.22
DESIGN DEVELOPMENT PHASE	2023.06.30
SCHEMATIC DESIGN PHASE	2023.03.21
CONCEPT PHASE	2022.11.16

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STAMP: STATE OF MICHIGAN — TERRY W THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	COVER SHEET
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	GI001
	1 OF 45

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VA FORM 08-6231

IC MATRIX - CLASS OF PRECAUTIONS: CONSTRUCTION PROJECT BY PATIENT RISK

CONSTRUCTION PROJECT TYPE

RISK RELATED GROUP	TYPE A	TYPE B	TYPE C	TYPE D
LOW RISK GROUP	I	II	II	III/IV
MEDIUM RISK GROUP	I	II	III	IV
HIGH RISK GROUP	I	II	III/IV	IV
HIGHEST RISK GROUP	II	III/IV	III/IV	IV

NOTE:

INFECTION CONTROL APPROVAL WILL BE REQUIRED WHEN THE CONSTRUCTION ACTIVITY AND RISK LEVEL INDICATE THAT CLASS III OR CLASS IV CONTROL PROCEDURES ARE NECESSARY.

CLASS I WORK ITEMS NOTES:

CLASS I

1. EXECUTE WORK METHODS TO MINIMIZE RAISING DUST FROM CONSTRUCTION OPERATIONS.

CLASS II WORK ITEMS NOTES:

CLASS II

PRIOR TO ANY CONSTRUCTION

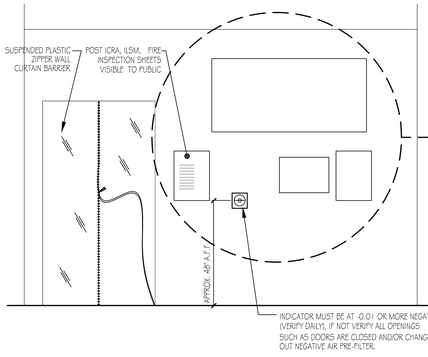
1. PROVIDE ACTIVE MEANS TO PREVENT AIRBORNE DUST FROM DISPERSING INTO ATMOSPHERE.
2. WATER MIST WORK SURFACES TO CONTROL DUST WHILE CUTTING.
3. SEAL UNUSED DOORS WITH DUCT TAPE.
4. BLOCK OFF AND SEAL AIR VENTS.
5. PLACE DUST MAT AT ENTRANCE AND EXIT WORK AREAS.
6. REMOVE OR ISOLATE H.V.A.C. SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

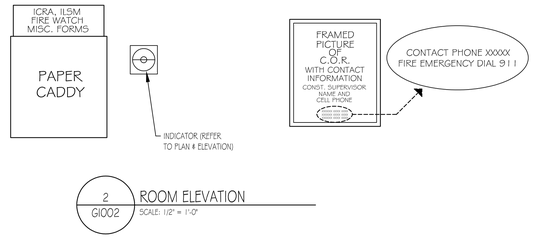
POST CONSTRUCTION

1. WIPE WORK SURFACES WITH DISINFECTANT.
2. CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINERS.
3. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA.
4. REMOVE ISOLATION OF H.V.A.C. SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.

PATIENT RISK GROUPS

LOW RISK	MEDIUM RISK	HIGH RISK	HIGHEST RISK
▪ OFFICE AREAS	▪ CARDIOLOGY ▪ ECHOCARDIOGRAPHY ▪ ENDOSCOPY ▪ NUCLEAR MEDICINE ▪ PHYSICAL THERAPY ▪ RADIOLOGY(MRI) ▪ RESPIRATORY THERAPY	▪ CCU ▪ EMERGENCY ROOM ▪ LABOR # DELIVERY ▪ LABORATORY (SPECIMEN) ▪ NEWBORN NURSERY ▪ OUTPATIENT SURGERY ▪ PEDIATRICS ▪ PHARMACY ▪ POST ANESTHESIA CARE UNIT ▪ SURGICAL UNITS	▪ ANY AREA CARING FOR IMMUNOCOMPROMISED PATIENTS ▪ BURN UNIT ▪ CARDIAC CATH LAB ▪ CENTRAL STERILE SUPPLY ▪ INTENSIVE CARE UNITS ▪ MEDICAL UNIT ▪ NEGATIVE PRESSURE ISOLATION ROOMS ▪ ONCOLOGY ▪ OPERATING ROOMS INCLUDING C-SECTION ROOMS



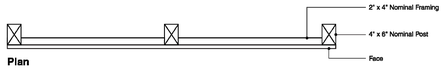


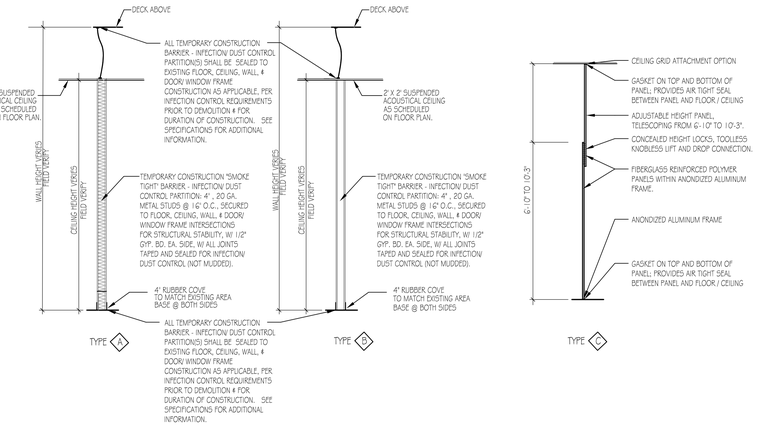
2 / G002 ROOM ELEVATION
SCALE: 1/2" = 1'-0"

INFECTION CONTROL PLAN NOTES

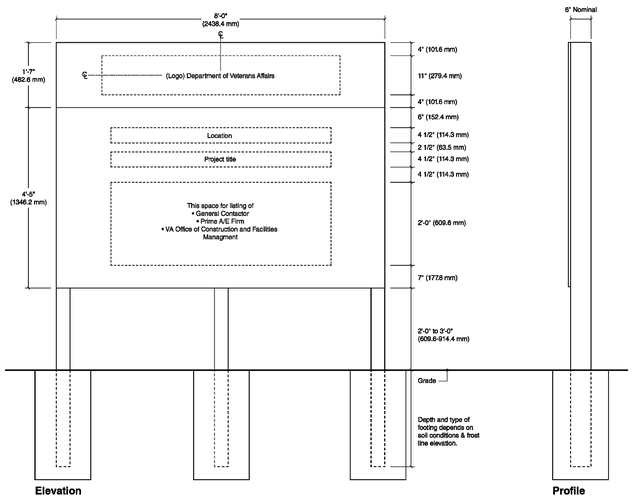
GENERAL NOTES:
COORDINATE WITH BATTLE CREEK VA MEDICAL CENTER HEALTH CARE SYSTEM: BATTLE CREEK, MICHIGAN CAMPUS CONTRACTING OFFICER'S REPRESENTATIVE (COR) TO COMPLETE AN INFECTION CONTROL RISK ASSESSMENT MATRIX AND OBTAIN AN INFECTION CONTROL CONSTRUCTION PERMIT FOR EACH PHASE OF WORK OUTLINED IN THESE DOCUMENTS PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION. COMPLY WITH ALL INFECTION CONTROL REQUIREMENTS FOR THE DURATION OF THE CONSTRUCTION PROJECT. SOME AREAS WILL REQUIRE A HIGHER LEVEL OF PROTECTION THAN OTHERS. VERIFY WITH THE COR TO WHAT LEVEL IS ACCEPTABLE AND SAFE FOR EACH AREA WHERE WORK IS BEING PERFORMED. SEE ITEMS LISTED BELOW AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1. REFER TO SPECIFICATIONS FOR MEDICAL CENTER 'INFECTION CONTROL RISK ASSESSMENT MATRIX OF PRECAUTIONS FOR CONSTRUCTION # RENOVATION' FOR INFECTION CONTROL INFORMATION AND REQUIREMENTS.
2. USING THE 'INFECTION CONTROL RISK ASSESSMENT MATRIX OF PRECAUTIONS FOR CONSTRUCTION # RENOVATION' COORDINATE WITH COR TO DETERMINE THE FOLLOWING PROJECT CONDITIONS:
   - PATIENT RISK GROUPS (LOW, MEDIUM, HIGH, HIGHEST)
   - TYPE OF CONSTRUCTION PROJECT ACTIVITY (A, B, C, OR D)
   - CLASS OF PRECAUTION LEVEL OF INFECTION CONTROL ACTIVITIES REQUIRED (I, II, III, OR IV)
3. ONCE THE "CLASS OF PRECAUTION" HAS BEEN DETERMINED IN COORDINATION WITH THE COR, COMPLETE THE "INFECTION CONTROL CONSTRUCTION PERMIT." PROCEED WITH DEMOLITION AND CONSTRUCTION WORK ONLY AFTER THE PERMIT HAS BEEN AUTHORIZED BY THE COR. ONCE THE PERMIT IS AUTHORIZED, POST THE PERMIT AS DIRECTED BY THE COR.
4. USING THE "DESCRIPTION OF REQUIRED INFECTION CONTROL PRECAUTIONS BY CLASS" AS OUTLINED BELOW, COORDINATE WITH THE COR TO DETERMINE THE SPECIFIC EXTENT AND APPLICATION METHODS OF THE REQUIRED INFECTION CONTROL PRECAUTIONS. CLASS IV PRECAUTIONS LISTED BELOW ARE TO BE CONFIRMED WITH THE COR.
5. DURING THE CONSTRUCTION PROJECT PHASE, PROVIDE, INSTALL, & MAINTAIN THE SPECIFIC INFECTION CONTROL PRECAUTIONS AS DETERMINED BY COORDINATION WITH COR.
6. UPON COMPLETION OF THE CONSTRUCTION PROJECT PHASE, REMOVE THE SPECIFIC INFECTION CONTROL PRECAUTIONS AS DETERMINED BY COORDINATION WITH COR.
7. IAQ (INDOOR AIR QUALITY) CONTROL MEASURES DURING CONSTRUCTION NOTES:
   - SEAL HVAC RETURN OPENINGS WITH PLASTIC IN CONSTRUCTION AREA.
   - IF CENTRAL UNIT IS SHUT DOWN DURING PARTS OF CONSTRUCTION, SEAL DIFFUSERS WITH PLASTIC PRIOR TO CONSTRUCTION WORK.
   - DURING CONSTRUCTION, A LOCAL RECIRCULATION FAN SHALL BE USED WITH A HEPA FILTER. FILTER MEDIA SHALL BE CHANGED OUT AT THE END OF EACH WORK DAY AND REPLACED WITH NEW MEDIA PRIOR TO THE START OF THE NEXT WORK DAY.
   - SUPPRESS DUST WITH WETTING AGENTS OR SWEEPING COMPOUNDS.
   - IF A VACUUM IS USED, VACUUM SHALL BE EQUIPPED WITH A HIGH EFFICIENCY FILTER OR A WET SCRUBBER.
   - AT THE COMPLETION OF CONSTRUCTION, VACUUM WORK AREA WITH HEPA EQUIPPED VACUUM, WASH AREA WITH A DETERGENT SOLUTION, AND HEPA VACUUM AGAIN WHEN AREA IS DRY.

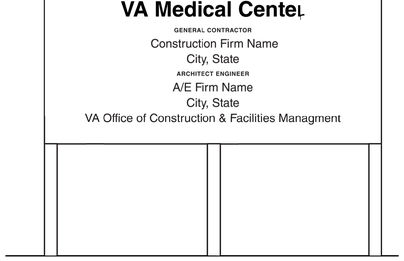


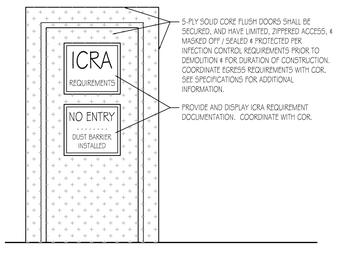


4 / G002 WALL CONSTRUCTION TYPES (DETAILS)
SCALE: 3/8" = 1'-0"

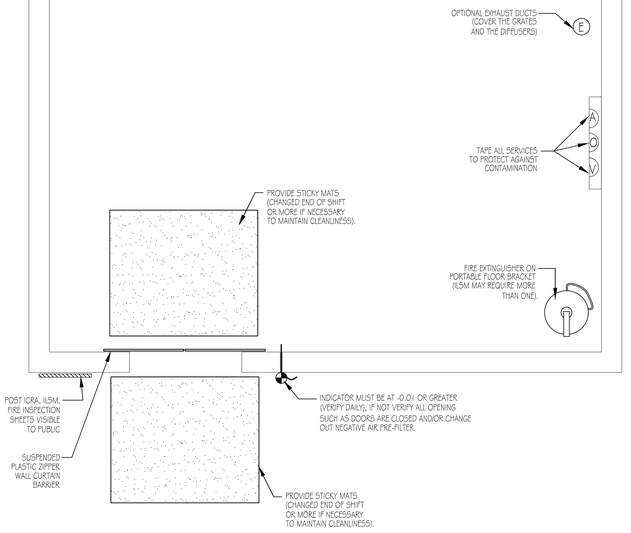


5 / G002 CONSTRUCTION SIGN (SP-24.01 SIGNAGE DESIGN MANUAL)
SCALE: NTS





3 / G002 INFECTION / DUST CONTROL DOOR
SCALE: 1/2" = 1'-0"



1 / G002 TYPICAL CONSTRUCTION LAYOUT CLASS I & II
SCALE: 1/2" = 1'-0"

Revisions:	Date:

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STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301058447 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: INFECTION CONTROL AND GENERAL INFORMATION	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
			Building Number: -
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number: GI002
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	2 OF 45

VA FORM 08-6231

CAMPUS PHASING PLAN
1 / GI003
SCALE: 1" = 100'-0"

VETERANS MEDICAL CENTER BUILDINGS

BLDG.#	BUILDING NAME / FUNCTION
1	ADMINISTRATION
2	URGENT CARE / OUTPATIENT SERVICES
3	EYE CLINIC & PHARMACY
5	NUTRITION & FOOD SERVICE / CANTEEN
6	AUDITORIUM
7	MENTAL HEALTH SERVICE
8	VETERANS TRANSPORTATION
9	CONTRACTING / LEARNING RESOURCES
10	PUBLIC AFFAIRS / VOLUNTEER SERVICE
11	FISCAL SERVICE / OIT
12	TRANSITION & CARE MGMT.
13	MICHIGAN YOUTH CHALLENGE ACADEMY
14	MENTAL HEALTH RESIDENTIAL REHAB.
16 - 21	- - -
22	VACANT - (PLANNED DEMO)
24	HUMAN RESOURCES / FACILITY MGMT.
25	FIRE SERVICE
26	ENGINEERING SHOPS
27	POLICE SERVICE
28	ENGINEERING SHOPS
30	ENGINEERING SHOPS
39	INPATIENT MENTAL HEALTH
73	ENGINEERING SHOPS
82	OUTPATIENT - INPATIENT SERVICES / CHAPEL
83	COMMUNITY LIVING CENTER
84	COMMUNITY LIVING CENTER
85	VACANT
101	GOLF COURSE
109	VACANT
127	GREEN HOUSE
134	GYMNASIUM / POOL
136	VETERANS RESOURCE CENTER / STERILE PROCESSING
138	THEATRE
141	MAIN STATION BREAKERS / POWER SUPPLY
145	SUPPLY CHAIN MANAGEMENT SERVICE
157	- - -
200	- - -
300	COMBINED HEATING & POWER PLANT

BUILDINGS WITH GENERATOR

GENERATOR	BUILDING SERVICED
EXTERIOR GEN.	BLDG. 22
EXTERIOR GEN.	BLDG. 24, 25
30	BLDGS. 26, 27, 28, 30
135	BLDGS. 2, 5
159	BLDGS. 3, 14
161	BLDGS. 82, 127
165	BLDGS. 83, 84, 200
169	BLDG. 4, 7, 12
170	BLDG. 39
300	BLDG. 300
301	BLDG. 13, 8, 9
EXTERIOR GEN.	BLDG. 157

BUILDINGS WITHOUT GENERATOR

NONE	1, 6, 10, 11
NONE	16, 17, 18, 19, 20, 21
NONE	85, 73
NONE	101, 109, 127
NONE	134, 136, 138
NONE	156

GENERAL PHASING NOTES

BCVA PRIMARY LOOP CONSTRUCTION PHASING PLAN:

1. SEE DRAWINGS, SPECIFICATIONS, AND CONTRACTOR GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING THE STORAGE AND STAGING OF CONSTRUCTION MATERIALS.
2. ALL NEW UNDERGROUND FEEDER CONDUIT IS 4", UNLESS NOTED OTHERWISE. ALL UNDERGROUND CONDUIT SHALL BE ENCASED IN CONCRETE.
3. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF SERVICES FOR ALL BUILDINGS, UTILITIES, LIFE SAFETY SYSTEMS IN COMPLETE OPERATION AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN ANY SYSTEM FOR ANY BUILDING OR ANY UTILITY, AT ANY TIME, THE CONTRACTOR SHALL CONSULT WITH AND PROVIDE WRITTEN NOTICE TO THE VA COR. PROVIDE PRIOR WRITTEN NOTICE THREE (3) WEEKS IN ADVANCE OF HTE DESIRED SHUTDOWN TIME TO MAKE ARRANGEMENTS TO DO SO ON AN OFF-HOUR PERIOD OR WEEKEND, AT THE CONVENIENCE OF VA AS APPROVED BY THE VA COR. PROVIDE DETAILED SCHEDULES AND DIAGRAMS FOR OUTAGES AND METHODS FOR MAINTAINING CONTINUITY OF SERVICE. CONTRACTOR MAY UTILIZE EXISTING STATION BUILDING GENERATORS (CONTRACTOR SHALL PROVIDE FUEL) PENDING APPROVAL BY THE VA COR. CONTRACTOR SHALL PROVIDE GENERATORS FOR BUILDINGS THAT DO NOT HAVE CONNECTION TO A STATION GENERATOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WIRING, SPLICES AND EQUIPMENT TO MAINTAIN CONTINUITY OF SERVICE AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION.
4. PRIOR TO TRENCHING FOR NEW UNDERGROUND DUCT OR BORING FOR NEW CONDUITS. CONTRACTOR SHALL LOCATE AND STAKE OUT ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE ALL REQUIRED UNDERGROUND UTILITY LOCATING EQUIPMENT (GPR - GROUND PENETRATING RADAR) AND HAND DIGGING TO LOCATE EXISTING UNDERGROUND UTILITIES AS A PART OF THIS CONTRACT. AREAS TO BE TRENCHED OR WHERE CONDUITS ARE SPECIFIED TO PUSHED OR BORED SHALL BE COORDINATED AND SCHEDULED WITH THE VA COR PRIOR TO PERFORMING ANY WORK. SEE CONTRACTOR GENERAL NOTES FOR ADDITIONAL COORDINATION REQUIREMENTS WITH THE VA / COR REGARDING THE PATH FOR THE NEW ELECTRICAL CONDUIT.
5. THE CONTRACTOR SHALL COMPLETE THE INSTALLATION OF DUCT BANKS AND AUGER BORING / JACK AND BORE DRILLING ON THE ' OUTER LOOP ' OF THE STATION AND THE CONDUIT / CABLING UP TO THE NEW SWITCH AND / OR EQUIPMENT LOCATIONS PRIOR TO PROCEEDING WITH THE NEW SWITCH / EQUIPMENT ACTIVATION. CONTRACTOR SHALL COMPLETE WORK ON A MAXIMUM OF TWO BUILDINGS AND TWO (2) SWITCHES PRIOR TO PROCEEDING TO THE NEXT BUILDING / SWITCHES.
6. ALL DUCT BANKS, CONDUIT, NEW SWITCHES / EQUIPMENT SHALL BE TESTED BY THE CONTRACTOR PRIOR TO THE CONNECTION OF THE NEW ELECTRIC LOOP SYSTEM TO BUILDING 141 OR TO THE EXISTING BUILDINGS.
7. IF MEDIUM VOLTAGE CONDUITS ARE ROUTED ABOVE GROUND, THE CONDUITS SHALL BE PROTECTED FROM PHYSICAL DAMAGE AND THERMAL MOISTURE ISSUES. COORDINATE SPECIFIC INFORMATION WITH THE COR.

CONTRACTOR GENERAL NOTES

1. THE GENERAL CONTRACTOR, ALSO REFERRED TO IN THE CONTRACT DOCUMENTS AS "CONTRACTOR," IS THE PRIMARY PARTY IN AGREEMENT WITH THE VA WITH SOLE RESPONSIBILITY TO PROVIDE AND COORDINATE ALL CONSTRUCTION SERVICES UNDER THE CONTRACT AND IS RESPONSIBLE FOR BID PACKAGES TO PROVIDE FULL PERFORMANCE OF THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS, METHODS, SEQUENCES AND TECHNIQUES OF CONSTRUCTION, TO FURNISH AND INSTALL ALL MATERIALS AND SYSTEMS NOTED AND COORDINATE THE REQUIREMENTS OF THE VA TO ALL SUBCONTRACTORS, MATERIAL SUPPLIERS AND TRADES UNDER THE AGREEMENT.
2. THE CONTRACTOR SHALL FOLLOW AND OBEY THE LATEST VERSION OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, SAFETY REGULATIONS AND HAZARDOUS WASTE LAWS, INCLUDING OSHA, NFPA101, LIFE SAFETY CODE AND NEC. ALL CONTRACTORS ENTERING INTO CONTRACT AGREEMENTS WITH THE VA SHALL BE HELD ENTIRELY RESPONSIBLE FOR KNOWLEDGE OF ALL SUCH CODES, ORDINANCES AND REGULATION AND FOR COMPLIANCE WITH THEM, AND FOR PROPERLY NOTIFYING THE VA, THE CONTRACTING OFFICER REPRESENTATIVE (COR) AND ARCHITECT OF ANY DEVIATION FROM SUCH RULES OR REGULATIONS.
3. THE CONTRACTOR SHALL REVIEW THE DRAWINGS AND UNDERSTAND THE SCOPE OF THE DRAWINGS TO BE THE FOLLOWING: THE DOCUMENTS (DRAWINGS, SPECIFICATIONS AND ADDENDA) THAT INDICATE THE SCOPE OF WORK IN THE PROJECT IN TERMS OF ARCHITECTURAL AND ENGINEERING DESIGN CONCEPTS, DIMENSIONS OF BUILDING TO NEW WORK, THE MAJOR CIVIL ELEMENTS, AND ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK INCLUDING SUCH THINGS AS INSTALLATION OR FABRICATION DRAWINGS, SURVEYS, MATERIAL SUBMITTALS, MATERIAL TESTING, MANUFACTURER REQUIREMENTS AND PERMITS. REFER TO SPECIFICATION SECTION 010000 "GENERAL REQUIREMENTS" AND SECTION 013323 SHOP DRAWINGS, PRODUCT DATA AND SAMPLES FOR ADDITIONAL INFORMATION.
4. THE DOCUMENTS DO NOT AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL THE WORK REQUIRED FOR FULL PERFORMANCE OF AND COMPLETION OF THE CONTRACT DOCUMENTS. THE DESIGN INFORMATION CONTAINED IN THE DOCUMENTS IS TO AID THE CONTRACTOR IN HIS EVALUATION OF WORK FOR THE BID, BUT SHALL NOT BE HELD TO BE ALL INCLUSIVE. SOME INFORMATION ON DRAWINGS IS DIAGRAMMATIC IN NATURE AND REQUIRES COORDINATION WITH OTHER TRADES AND CONSIDERATION OF EXACT CONDITIONS OF THE SITE IN AREAS COVERED AND NOT READILY VISIBLE, OR COORDINATION OF EQUIPMENT AND WORK THAT CANNOT BE DETERMINED UNTIL AFTER BID APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR SHOP DRAWINGS THAT INCORPORATE FINAL DETAILING OF ALL EQUIPMENT SUPPORTS, TIE-INS TO OTHER EQUIPMENT AND SYSTEMS, DATA AND ELECTRICAL TERMINATIONS AND TESTING FOR FULL OPERATION OF EQUIPMENT AND THE FINAL "AS BUILT" CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH MANUFACTURER INSTALLATION REQUIREMENTS AND WARRANTIES. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE VA A FINAL SET OF AS-BUILT DRAWINGS AFTER COMPLETION OF ALL WORK FOR THE FINAL PROJECT RECORD.
5. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE HIS OWN DUE DILIGENCE, EXAMINE ALL PHYSICAL CONDITIONS AND CONSTRAINTS OF THE SITE AND COMPARE THEM TO ALL DESIGN AND LEGAL REQUIREMENTS OF THE DOCUMENTS, VISIT THE JOBSITE AND TAKE HIS OWN FIELD MEASUREMENTS, AND MAKE RECORD OF ALL EXISTING CONDITIONS THAT AFFECT WORK, COORDINATE THIS INFORMATION WITH OTHER TRADES AND SUPPLIERS AND ISSUE ANY NECESSARY REQUESTS FOR INFORMATION OR CLARIFICATIONS TO THE VA DURING BIDDING PHASE IN ORDER TO DETERMINE ADEQUATE PRICING. THE CONTRACTOR BY AGREEMENT IN THE EXECUTION OF THE CONTRACT (BASED ON THE SUBMITTED BID) IMPLIES IN ITS REPRESENTATION THAT THE DOCUMENTS ARE COMPLETE WITH SUFFICIENT INFORMATION TO DETERMINE THE COST OF WORK AND TO FULFILL ALL OBLIGATIONS TO CONSTRUCT THE WORK DESCRIBED THEREIN. EXTRAS SHALL NOT BE GRANTED FOR FORESEEABLE CONDITIONS OR LACK OF WORK COORDINATION DURING BIDDING OR CONSTRUCTION PHASE.
6. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. DIMENSIONS SHALL GOVERN EACH BUILDING COMPONENT PER LOCATION. ANY INCONSISTENCY OR CONFLICT BETWEEN THE DRAWINGS AND THE EXISTING SITE OR BUILDING CONDITIONS THE CONTRACTOR SHALL NOTIFY THE COR AND ARCHITECT IMMEDIATELY FOR ISSUANCE OF AN ADDENDA, CLARIFICATION OR CORRECTION ORDER, PRIOR TO THE COMMENCEMENT OF WORK.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION AND ALL OTHER RESOURCES REQUIRED TO COMPLETE THE WORK FOR THE PROJECT. WORK INCLUDES GENERAL CONSTRUCTION, ALTERATIONS, EQUIPMENT, EQUIPMENT PADS, TEMPORARY CONDITIONS, SIGNAGE, BARRICADES, WASTE MANAGEMENT, REPAIR OF DAMAGED WORK, MATERIAL AND ENVIRONMENTAL TESTING, STRUCTURAL, ELECTRICAL, AND FINISHES.
8. THESE GENERAL PROJECT NOTES AND ALL REQUIREMENTS OF THE SPECIFICATIONS SHALL APPLY TO ALL DRAWING SHEETS AND TRADES AS IF THEY ARE ONE IN THE SAME. DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND ARE NOT TO BE SEPARATED FOR THE PURPOSE OF BIDDING SCOPES OF WORK BY DIFFERENT CONTRACTORS.
9. THE CONTRACTOR SHALL COORDINATE WITH THE VA AND COR FOR ALL INFORMATION REGARDING BIDDING, CONTRACTS, CONTRACT MODIFICATIONS, SITE ACCESS AND RESTRICTIONS, WORK NOTIFICATIONS, INTERRUPTIONS OF UTILITY AND SYSTEMS, PAYMENT FOR SERVICES AND SCHEDULES.
10. THE DRAWINGS SHALL BE TAKEN IN A SENSE AS DIAGRAMMATIC. SIZE AND MEANS OF RUNNING PIPING / CONDUIT ARE SHOWN BUT IT IS NOT INTENDED TO SHOW EVERY FITTING AND OFFSET, NOR EVERY STRUCTURAL / SITE DIFFICULTY THAT CAN BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK.
11. BUILDING ACCESS AND SECURITY - THE BUILDINGS WILL REMAIN FULLY OCCUPIED DURING ALL PHASES OF THIS WORK. THEREFORE, PROVIDE, INSTALL, AND MAINTAIN ALL TEMPORARY MEASURES REQUIRED TO MAINTAIN ACCESS AND SECURITY OF THE EXISTING BUILDING AND THE WORK AREA FOR THE DURATION OF THE CONSTRUCTION PROJECT. COORDINATE SPECIFIC INFORMATION WITH THE COR. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12. EXISTING WORK AREA AND BUILDING CONDITION - PROVIDE, INSTALL, AND MAINTAIN PROTECTIVE MEASURES TO KEEP THE EXISTING BUILDING ADJACENT TO THE WORK AREA AND THE PATH OF DEMOLITION TRAVEL FROM CONSTRUCTION DAMAGE DURING WORK. RESTORE ANY PORTION OF THE EXISTING BUILDING OR ADJACENT SITE INADVERTENTLY DAMAGED BY, OR AS A RESULT OF THIS WORK, AT NO ADDITIONAL COST TO THE VA. THE CONTRACTOR IS RESPONSIBLE FOR THE PATCH, REPAIR, REFINISHING AND / OR REPLACEMENT OF ALL INTERIOR FINISHES (WALLS, FLOORS, BASE, CEILINGS) DISTURBED BY THE PROJECT DEMOLITION AND / OR CONSTRUCTION. DAMAGE TO THE SITE / LANDSCAPING SHALL BE RESTORED SEASONALLY, PER BUILDING, REGARDLESS OF OVERALL PROJECT PROGRESS / COMPLETION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
13. EXITS TO BE MAINTAINED - MAINTAIN A MINIMUM OF TWO (2) EXITS FROM THE BUILDING AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
14. STAGING AREA - STAGING WILL BE LOCATED IN ONE FENCED IN AREA; NORTH OF BUILDING 199 (NORTH OF BASEBALL FIELD). STAGING AREA FENCING (MINIMUM 8'-0" HIGH WITH MESH FABRIC PRIVACY SCREENING) SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. MATERIALS SHALL BE BROUGHT TO THE AREA OF CONSTRUCTION DAILY FROM THE STAGING AREA AND SHALL ONLY BE IN THE AMOUNT NEEDED FOR THAT DAYS WORK. EXACT LOCATION OF STAGING AREA SHALL BE COORDINATED WITH COR.
15. CONSTRUCTION WORK PLAN: AS PART OF THE PRE-WORK SUBMITTAL PROCESS, THE CONTRACTOR SHALL PROVIDE AN OVERALL WORK SCHEDULE FOR APPROVAL INCLUDING DATES AND DURATIONS FOR ALL ITEMS OF WORK. THE PROCESS FOR APPROVAL SHALL BE AS FOLLOWS:
    - 15.1. PRIOR TO THE START OF WORK ON ANY ITEM, THE CONTRACTOR SHALL SUBMIT A DETAILED WORK PLAN FOR APPROVAL TO THE COR.
    - 15.2. THE WORK PLAN SHALL INCLUDE ALL STEPS FOR CONSTRUCTION INCLUDING LENGTH OF TIME FOR EACH STEP.
    - 15.3. THE PLAN SHALL INCLUDE AN EMERGENCY CONTACT LIST WITH A MINIMUM OF 5 CONTACTS.
    - 15.4. AN ITEM OF WORK SHALL BE DEFINED AS " INSTALLATION OF DUCT BANK, REPLACEMENT / INSTALLATION OF A TRANSFORMER / SWITCH EXCAVATION, WORK AT THE LOCATION OF EACH BUILDING OR WORK IN BUILDING 141."
    - 15.5. THE PLAN SHALL BE REVIEWED AND APPROVED BY THE VA / COR PRIOR TO PROCEEDING WITH SITE WORK. REVIEW AND APPROVAL SHALL INCLUDE PHYSICALLY INDICATING THE PROPOSED PATH OF DUCT BANK (VIA FLAGS AND / OR SPRAY PAINT). THE ENTIRE PATH SHALL BE MARKED AND WALKED WITH THE COR AND CONTRACTOR PRIOR TO PROCEEDING. VARIANCES TO THE DESIGN PATCH SHALL BE INDICATED BY THE CONTRACTOR.
    - 15.6. AFTER THE PLAN IS APPROVED FOR AN ITEM OF WORK, THE CONTRACTOR SHALL NOT START WORK FOR 2 WEEKS BECAUSE OF INTERNAL NOTIFICATION REQUIREMENTS.

⬡PHASING PLAN KEY NOTES

SEE PHASING PLAN GENERAL NOTES, GENERAL DEMOLITION NOTES, CONTRACTOR GENERAL NOTES, AND SPECIFICATIONS FOR ADDITIONAL PROJECT INFORMATION.

BCVA PRIMARY LOOP CONSTRUCTION PHASING PLAN KEYNOTES:

NOTES

- INFRASTRUCTURE INCLUDING ALL DUCT BANKS, CONDUITS, CONCRETE BASES AND SWITCHES SHALL ALL BE INSTALLED PRIOR TO PULLING ANY MEDIUM VOLTAGE CABLE.

INFRASTRUCTURE PLAN:

1. START AT BUILDING 141 AND WORKING NORTHEAST TOWARDS BUILDINGS 84/83.
2. OPEN CUT AND DUCT BANK INSTALLATION FROM BUILDING 141 ON PATH SHOWN ON CONSTRUCTION DRAWINGS.
3. OPEN CUT AND DUCT BANK INSTALLATION ACROSS LOT G.
   - a) COORDINATE TIMING WITH COR FOR CLOSING OF LOT G.
   - b) OPEN CUT SHALL BE DURING NORMAL WORK HOURS AND CUT SHALL BE PROTECTED DURING NON-WORK HOURS AS DESCRIBED IN SPECIFICATIONS AND CIVIL CONSTRUCTION DRAWINGS.
4. CONTINUE OPEN CUT AND DUCT BANK INSTALLATION TO BUILDING 83 / 84 VISTA SWITCH LOCATION.
5. INSTALL CONCRETE PAD WITH CONDUIT SWEEPS AS SHOWN IN CONSTRUCTION DRAWINGS.
6. INSTALL VISTA SWITCHES.
7. OPEN CUT AND DUCT BANK INSTALLATION ACROSS DRIVE TO BUILDING 84 AND 83.
   - a) ACCESS TO BUILDING 200 MUST BE AVAILABLE BY AT LEAST ONE DIRECTION AT ALL TIMES.
   - b) ONLY ONE OPEN CUT ACROSS DRIVE SHALL BE PERMITTED AT A TIME.
8. AT EXISTING SWITCHES FOR BUILDINGS 83 & 84, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
9. CONTINUE OPEN CUT AND DUCT BANK INSTALLATION NORTH FROM BUILDING 84/83 TO VISTA SWITCH LOCATION NORTHEAST OF BUILDING 13.
10. OPEN CUT AND DUCT BANK INSTALLATION ACROSS LOT H ENTRY DRIVE. MAINTAIN ONE ENTRANCE TO LOT H AT ALL TIMES.
11. OPEN CUT AND DUCT BANK INSTALLATION ACROSS SHAFTER CIRCLE TOWARDS FUTURE BUILDING LOCATION. OPEN CUT SHALL BE PERMITTED TO BE AT SAME TIME AS ONE OF LOT H ENTRY DRIVE OPEN CUTS AND OPEN CUT TO BUILDING 83.
12. INSTALL CONCRETE PAD AND S&C SWITCH FOR FUTURE BUILDING.
13. INSTALL VISTA SWITCHES NE OF BUILDING 13.
14. OPEN CUT AND DUCT BANK INSTALLATION ACROSS NORTH ENTRY TO LOT H. OPEN CUT SHALL NOT HAPPEN AT SAME TIME OF LOT H SOUTH ENTRY OPEN CUT.
15. CONTINUE OPEN CUT AND DUCT BANK INSTALLATION NORTH TO FUTURE CONTRACTOR LAY-DOWN AREA.
16. INSTALL CONCRETE PADS FOR TRANSFORMER AND S&C SWITCH.
17. INSTALL S&C SWITCH AND VA FURNISHED TRANSFORMER.
18. CONTINUE OPEN CUT AND DUCT BANK INSTALLATION TO THE WEST.
19. OPEN CUT DRIVE FOR DUCT BANK INSTALLATION. SEE CIVIL DEMO DRAWINGS.
20. AT EXISTING SWITCH FOR BUILDINGS 13, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
21. DIG BORE PIT SOUTH OF EXISTING WATER TOWER AND RECEIVING PIT ON WEST SIDE OF COVERED WALKWAY FOR JACK AND BORE UNDER DRIVE AND COVERED WALKWAY TO BUILDING 6 SWITCH. CONTINUE JACK AND BORE AS PER INSTRUCTIONS ON CIVIL DRAWINGS AND SPECIFICATIONS.
22. INSTALL CONCRETE PAD AND VISTA SWITCHES FOR BUILDING 6. OPEN CUT BETWEEN RECEIVING PIT AND BUILDING 6 SWITCH.
23. AT EXISTING SWITCH FOR BUILDING 6, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
24. OPEN CUT ASPHALT DRIVE BETWEEN BUILDINGS 136 AND 138 AS SHOWN. INSTALL DUCT BANK.
25. AT EXISTING SWITCH FOR BUILDINGS 136 & 138, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
26. OPEN CUT AND DUCT BANK INSTALLATION ON WEST SIDE OF BUILDING 136 TO RECEIVING PIT LOCATION SHOWN ON CONSTRUCTION DRAWINGS.
27. DIG BORE PIT NE OF BUILDING 85 AND DIG RECEIVING PIT EAST OF DRIVE, NW OF BUILDING 136. JACK AND BORE UNDER DRIVE.
28. OPEN CUT TO THE WEST TO NEXT SET OF BORE PITS NORTH OF BUILDING 85
29. DIG BORE PIT ON WEST SIDE OF DRIVE, NORTH OF BUILDING 134. DIG RECEIVING PITS ON EAST SIDE OF DRIVE AND NORTH SIDE OF SHAFTER CIRCLE SE OF BUILDING 85.
30. JACK AND BORE UNDER DRIVE BETWEEN BUILDINGS 134 AND 85 / 5.
31. MODIFY BORE PIT TO FACE NORTH AND JACK AND BORE UNDER SHAFTER CIRCLE TOWARDS BUILDING 82.
32. POUR CONCRETE PAD AND INSTALL VISTA SWITCHES NORTH OF BUILDING 134.
33. OPEN CUT ON EAST AND WEST SIDE OF DRIVE TOWARDS EXISTING SWITCHES FOR BUILDINGS 134 AND 5.
34. AT EXISTING SWITCHES OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
35. OPEN CUT AND DUCT BANK INSTALLATION FROM BORE PIT TOWARDS BUILDING 4.
36. INSTALL CONCRETE PADS, NEW S&C SWITCH AND TRANSFORMER FOR BUILDING 4.
37. OPEN CUT AND INSTALL DUCT BANK FROM TRANSFORMER CLOSE TO BUILDING 4 AND PREP FOR TRANSFER OF POWER.
38. OPEN CUT AND DUCT BANK INSTALLATION FROM RECEIVING PIT SE OF BUILDING 82 NORTH AROUND BUILDING 82.
39. INSTALL CONCRETE PAD AND VISTA SWITCHES AT BUILDING 82.
40. AT EXISTING SWITCH FOR BUILDINGS 82, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
41. OPEN CUT AND DUCT BANK INSTALLATION NORTH OF BUILDING 82.
42. POUR CONCRETE PADS AND INSTALL VISTA SWITCHES AND NEW S&C SWITCH FOR BUILDING 82.
43. OPEN CUT AND DUCT BANK INSTALLATION FROM S&C SWITCH TO BUILDING 82 TRANSFORMER T82-A AND PREP FOR TRANSFER OF POWER.
44. OPEN CUT AND DUCT BANK INSTALLATION NORTH OF LOT M.
45. OPEN CUT AND DUCT BANK INSTALLATION ACROSS PAUL LAMBERS.
46. OPEN CUT AND DUCT BANK INSTALLATION TOWARDS BUILDING 39 ACROSS SHAFTER CIR. OPEN CUT ACROSS LAMBERS AND SHAFTER SHALL NOT HAPPEN AT THE SAME TIME.
47. OPEN CUT AND DUCT BANK INSTALLATION ACROSS SOUTH ENTRY TO LOT N.
48. OPEN CUT AND DUCT BANK INSTALLATION ACROSS WEST ENTRY TO LOT N. SOUTH AND WEST ENTRIES TO LOT N SHALL NOT BE CLOSED AT THE SAME TIME.
49. OPEN CUT AND DUCT BANK INSTALLATION WEST OF LOT N.
50. POUR CONCRETE PADS FOR (2) NEW S&C SWITCHES AND VISTA SWITCHES. INSTALL ALL NEW SWITCHES
51. DIG BORE PIT WEST OF BUILDING 170 AND DIG RECEIVING PITS NORTH OF SHAFTER CIR AND WEST OF COVERED WALKWAY, SOUTH OF BUILDING 3.
52. JACK AND BORE UNDER SHAFTER CIRCLE.
53. OPEN CUT AND DUCT BANK INSTALLATION ACROSS DRIVE AND STOP AT MANHOLE NORTH OF BUILDING 39.
54. OPEN CUT AND DUCT BANK INSTALLATION SOUTH OF BUILDING 3 TOWARDS BUILDING 14.
55. INSTALL CONCRETE PADS AND VISTA SWITCHES SOUTH OF BUILDING 14.
56. OPEN CUT AND DUCT BANK INSTALLATION ACROSS DEWEY LN TO BEHIND BUILDING 7.
57. POUR CONCRETE PAD FOR NEW S&C SWITCH EAST OF BUILDING 7. VERIFY FINAL LOCATION WITH COR.
58. OPEN CUT AND DUCT BANK INSTALLATION IN FENCED-IN AREA FOR BUILDING 7.
59. EXCAVATE AROUND EXISTING MV SWITCH FOR BUILDING 7 AND PREP FOR POWER TRANSFER.
60. OPEN CUT AND DUCT BANK INSTALLATION ACROSS DEWEY LN, SOUTH OF BUILDING 14.
61. OPEN CUT AND DUCT BANK INSTALLATION ACROSS DRIVE TO FURLONG LN. OPEN CUT IN DRIVE AND ACROSS DEWEY LANE SHALL NOT HAPPEN AT THE SAME TIME.
62. INSTALL CONCRETE PADS AND VISTA SWITCHES EAST OF BUILDING 23 AS SHOWN ON CONSTRUCTION DRAWINGS.
63. AT EXISTING SWITCH FOR BUILDING 23, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
64. OPEN CUT AND DUCT BANK INSTALLATION FROM VISTA SWITCHES TOWARDS BUILDING 12.
65. OPEN CUT AND DUCT BANK INSTALLATION ACROSS FURLONG LN TOWARDS BUILDING 12.
66. AT EXISTING SWITCH FOR BUILDINGS 12, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
67. OPEN CUT AND DUCT BANK INSTALLATION WEST OF BUILDING 12 TO BUILDING 11, ACROSS DRIVE BETWEEN BUILDINGS.
68. POUR CONCRETE PAD FOR NEW S&C SWITCH AND VA-FURNISHED TRANSFORMER AT BUILDING 11.
69. INSTALL SWITCH AND TRANSFORMER AT BUILDING 11.
70. EXCAVATE AT BUILDING 11 SERVICE ENTRANCE, OPEN CUT AND DUCT BANK INSTALLATION FROM BUILDING 11 TRANSFORMER AND PREP FOR TRANSFER OF POWER.
71. OPEN CUT FROM VISTA SWITCHES AT BUILDING 23 SOUTH TOWARDS BUILDING 1.
72. POUR CONCRETE PADS AND INSTALL NEW VISTA SWITCHES SOUTH OF BUILDING 1.
73. AT EXISTING SWITCH FOR BUILDING 1, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
74. AT EXISTING SWITCH FOR BUILDING 29, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
75. OPEN CUT AND DUCT BANK INSTALLATION FROM BUILDING 1 VISTA SWITCHES NORTH. DIG BORE PIT WEST OF BUILDING 1 AND RECEIVING PIT SOUTH OF BUILDING 157. JACK AND BORE UNDER DISTANCE.
76. POUR CONCRETE PADS FOR NEW VISTA SWITCHES SOUTH OF BUILDING 157. INSTALL VISTA SWITCHES
77. OPEN CUT AND DUCT BANK INSTALLATION FROM VISTA SWITCHES BETWEEN BUILDINGS 157 AND 2.
78. AT EXISTING SWITCH FOR BUILDING 157, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
79. AT EXISTING SWITCHES FOR BUILDINGS 2/5 (2 TOTAL), OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
80. OPEN CUT AND DUCT BANK INSTALLATION FROM VISTA SWITCHES SOUTH OF BUILDING 1 ACROSS SHAFTER CIR S TOWARDS BUILDING 101.
81. POUR CONCRETE PADS FOR NEW VISTA SWITCHES NORTH OF BUILDING 101 AS SHOWN ON CONSTRUCTION DRAWINGS. INSTALL VISTA SWITCHES
82. OPEN CUT AND DUCT BANK INSTALLATION TO BUILDING 101
83. AT EXISTING SWITCH FOR BUILDING 101, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
84. OPEN CUT AND DUCT BANK INSTALLATION SOUTH OF BUILDING 101
85. DIG RECEIVING PIT AND BORE PIT ACROSS URBAN DRIVE. JACK AND BORE UNDER URBAN DRIVE, CONTINUE WITH OPEN CUT AND DUCT BANK INSTALLATION TO LOCATION DETERMINED BY COR FOR NEW S&C SWITCH.
86. POUR CONCRETE PAD FOR NEW S&C SWITCH AND VA-FURNISHED TRANSFORMER. INSTALL SWITCH AND TRANSFORMER AND CONDUITS IN BETWEEN.
87. DIG RECEIVING AND BORE PITS ON EACH SIDE OF URBAN DRIVE, JUST SOUTH OF SHAFTER CIR. JACK AND BORE UNDER URBAN DR.
88. OPEN CUT AND DUCT BANK INSTALLATION ALONG SOUTH SIDE OF SHAFTER CIR. POUR CONCRETE PADS FOR VISTA SWITCHES NORTH OF BUILDING 26. INSTALL VISTA SWITCHES.
89. DIG RECEIVING AND BORE PITS ON EACH SIDE OF SHAFTER CIR EAST OF BUILDING 22. JACK AND BORE UNDER SHAFTER CIR.
90. OPEN CUT AND DUCT BANK INSTALLATION FROM BORE PIT TO EXISTING BUILDING 22 SWITCH.
91. AT EXISTING SWITCH FOR BUILDING 22, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
92. OPEN CUT FROM BUILDING 26 VISTA SWITCHES ON THE WEST SIDE OF BUILDING 26 AND 27.
93. AT EXISTING SWITCH FOR BUILDING 27, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
94. OPEN CUT AND DUCT BANK INSTALLATION WEST OF BUILDING 27 AND SOUTH OF BUILDING 27 TO BUILDING 300 SWITCH.
95. AT EXISTING SWITCH FOR BUILDING 300, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
96. FROM BUILDING 26 VISTA SWITCHES, OPEN CUT AND DUCT BANK INSTALLATION EAST TOWARDS EXISTING S&C SWITCH SOUTH OF BUILDING 25.
97. POUR CONCRETE PADS FOR NEW VISTA SWITCHES AND INSTALL VISTA SWITCHES.
98. DIG BORE PIT NORTH OF BUILDING 24 PARKING LOT AND DIG RECEIVING PIT SOUTH OF SHAFTER CIR DRIVE. JACK AND BORE UNDER PARKING LOT AND SHAFTER CIR.
99. OPEN CUT AND DUCT BANK INSTALLATION FROM VISTA SWITCHES TO EXISTING SWITCHES FOR BUILDINGS 28 AND 30.
100. AT EXISTING SWITCHES FOR BUILDINGS 28 AND 30, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
101. OPEN CUT AND DUCT BANK INSTALLATION FROM BORE PIT NORTH TOWARDS BUILDING 8.
102. POUR CONCRETE PADS FOR NEW VISTA SWITCHES. INSTALL VISTA SWITCHES.
103. OPEN CUT AND DUCT BANK INSTALLATION ALONG SOUTH SIDE OF BUILDINGS 8-10 PARKING LOT.
104. OPEN CUT AND DUCT BANK INSTALLATION IN 3 SEPARATE AREAS CROSS BUILDINGS 8-10 PARKING LOT. COORDINATE SEQUENCE WITH COR.
105. AT EXISTING SWITCH FOR BUILDING 10, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
106. AT EXISTING SWITCH FOR BUILDING 9, OPEN CUT AND INSTALL DUCT BANK UP TO EXISTING S&C SWITCH. CONDUIT SHALL SWEEP UP ABOVE GRADE AND LB INTO SIDE OF S&C SWITCH. ALL HOLES CUT IN SWITCHES SHALL BE PAINTED TO PROTECT AGAINST CORROSION AND ALL FITTINGS SHALL MEET REQUIREMENTS IN SPECIFICATIONS.
107. POUR CONCRETE PADS FOR NEW S&C SWITCH AND VA FURNISHED TRANSFORMER AT BUILDING 8. INSTALL SWITCH AND TRANSFORMER. EXCAVATE FROM SECONDARY OF TRANSFORMER TO SERVICE ENTRANCE AT BUILDING 8 AND PREP FOR POWER TRANSFER.
108. OPEN CUT AND DUCT BANK INSTALLATION FROM RECEIVING PIT SOUTH OF SHAFTER CIR TOWARDS BUILDING 141. OPEN CUT AND DUCT BANK INSTALLATION ACROSS LOT F. OPEN CUT SHALL TERMINATE NORTH OF BUILDING 141.
109. INSTALL VERTICAL CONDUITS ON NORTH SIDE OF BUILDING 141 AND LB INTO BUILDING USING CONDUIT DETAIL AS SHOWN ON DRAWINGS, SEE EJ500. CONTRACTOR; NOTE THAT ONE HALF OF THE CAMPUS (CIRCUIT 1 & 2 OR 3 & 4) WILL BE SHUT DOWN FOR FINAL CONNNECTIONS CONTRACTOR SHALL COORDINATE WITH VA COR. THE CONTRACTOR SHALL CONNECT CIRCUITS 1 & 2 OR 3 & 4 AND PROCEED WITH THE WORK CONNECTING ALL CIRCUITS ALONG THE PATH (1 & 2 OR 3 & 4). CONTRACTOR SHALL DO THE SAME ON THE REMAINING CIRCUIT(S).

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
Suite 200
Fort Wayne, Indiana 46808
PH: 260.424.4830
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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

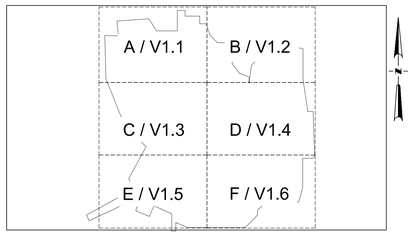
STAMP
STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
CAMPUS PHASING PLAN AND NOTES	FINAL BID DOCUMENT	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number: CAMPUS
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: GI003

VA FORM 08-6231
Z:\Viridian\Projects\20220016\02 DRAWINGS\AUTOCAD\515-15-117.GI003 Campus Phasing Plan.dwg 1-19-26 11:24:51 AM lfedorczyk

SHEET KEY



EXISTING LEGEND

- DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
- TREE LINE/ CANOPY
- DITCH/ DRAINING COURSE
- UG TELE, MH, TELE PED, CABLE PED
- UG FIBER, PED, LINE MARKER, VAULT
- UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
- OH ELEC, UTIL POLE, GUY WIRE
- GROUND LIGHT, POLE, POLE W/ ARM LT
- LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
- ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
- UG GAS, MH, VALVE, LINE MARKER
- GAS WELL, METER, VENT
- WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
- WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
- IRRIGATION CONTROL VALVE, SPRINKLER HEAD
- STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
- CULVERT/ END SECTION
- SANITARY SEWER, MH, CLEAN OUT
- COMBINED SEWER, MH
- STEAM LINE, MH
- MISC. MANHOLE, HAND HOLE, HAND BOX
- PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
- SECTION LINE, SECTION CORNER
- FOUND IRON ROD (FIR), FD MON, FD PK
- SET IRON ROD (SIR), SET PK, MAG NAIL
- FINISH FLOOR ELEVATION, SPOT ELEVATION
- CONTOUR
- FENCE
- GUARD RAIL
- RAILROAD SIGNAL, SIGNAL BOX
- SOIL BORING
- EX. ASPHALT
- EX. CONCRETE
- EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW 5 4 C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

N

V-1.0 CAMPUS BOUNDARY AND PLANIMETRIC SURVEY
SCALE: 1" = 100'-0"

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
Suite 200
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STAMP: STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS BOUNDARY AND PLANIMETRIC SURVEY	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director			Building Number: CAMPUS
		Location: Battle Creek, Michigan	Drawing Number: V-1.0
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	4 OF 45

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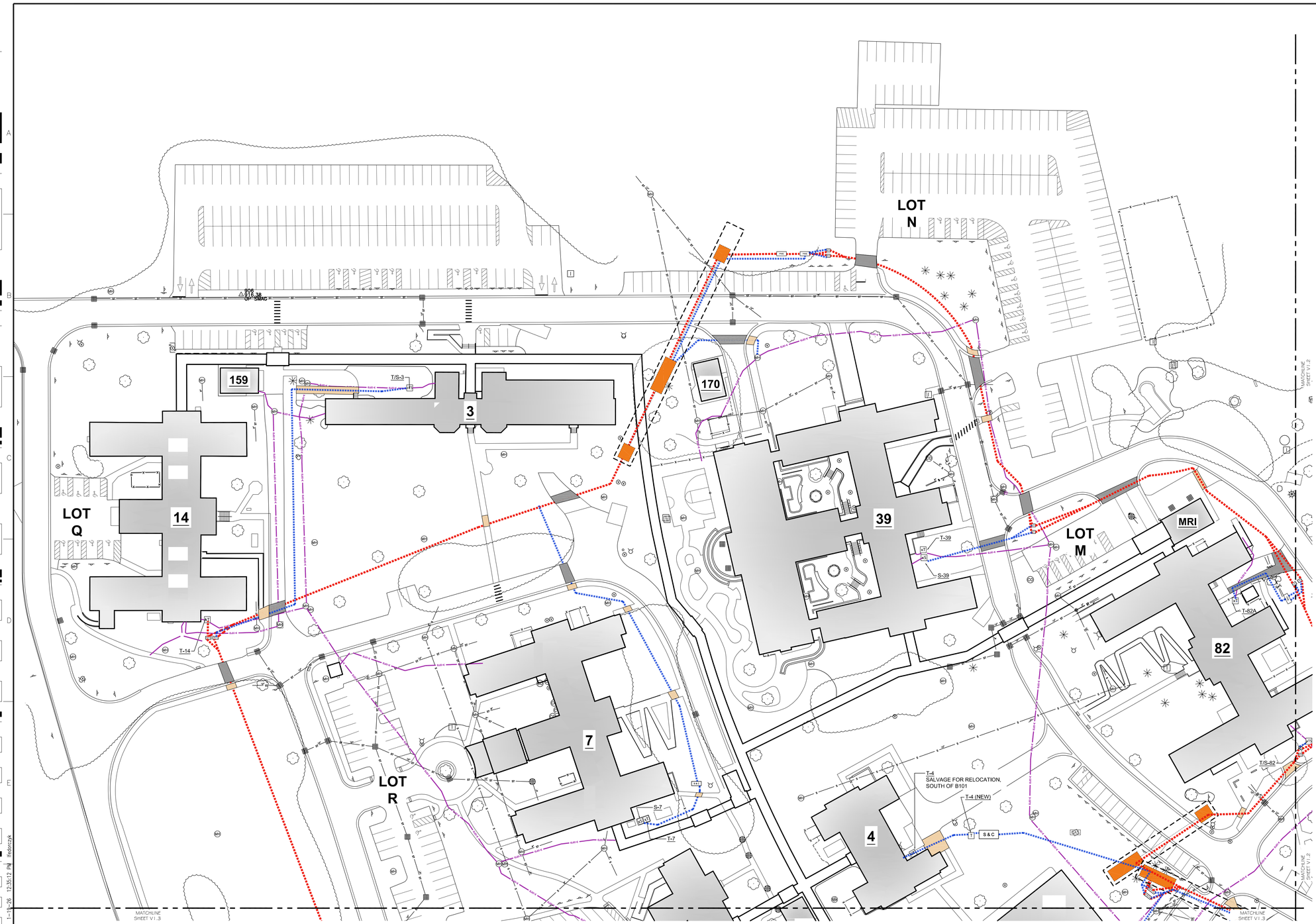
one inch = one foot; one quarter inch = one foot; one eighth inch = one foot; three quarters inch = one foot; one half inch = one foot; three eighths inch = one foot; one and one half inches = one foot; three inches = one foot
VA FORM 08-6231

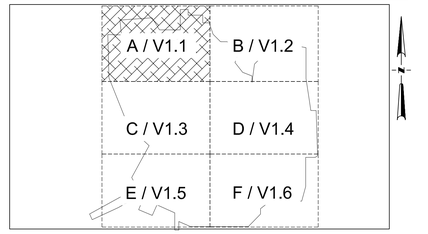


N

V-1.1 PLANIMETRIC SURVEY - AREA A

SCALE: 1" = 40'-0"

SHEET KEY



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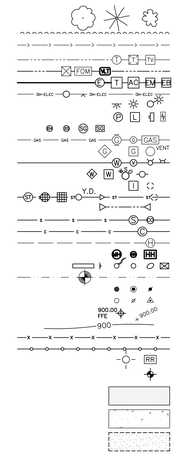

DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
UG TELE, MH, TELE PED, CABLE PED
UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions: | Date:

ARCHITECT/ENGINEER OF RECORD
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STAMP: STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059447 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLANIMETRIC SURVEY DETAIL AREA A
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	V-1.1
	5 OF 45

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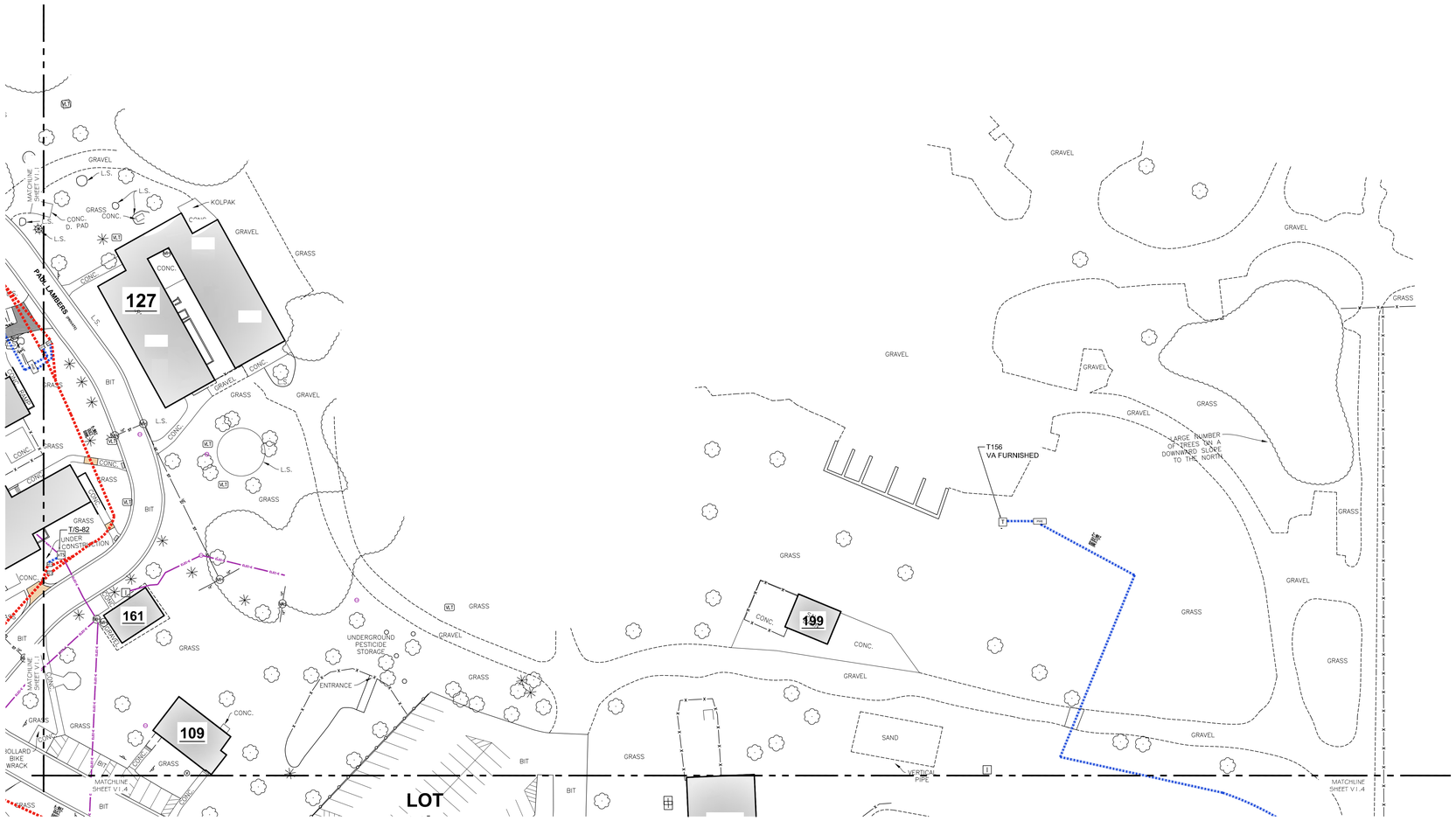
VA FORM 08-6231



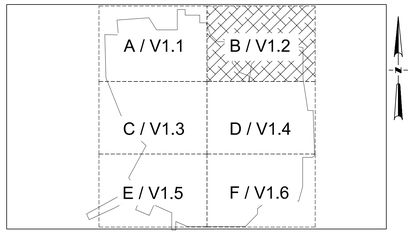
N

V-1.2

PLANIMETRIC SURVEY - AREA B

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
UG TELE, MH, TELE PED, CABLE PED
UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW 5 & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STAMP: STATE OF MICHIGAN — TERRY W THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLANIMETRIC SURVEY DETAIL AREA B
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Location	Battle Creek, Michigan
Drawing Number	V-1.2
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
	6 OF 45

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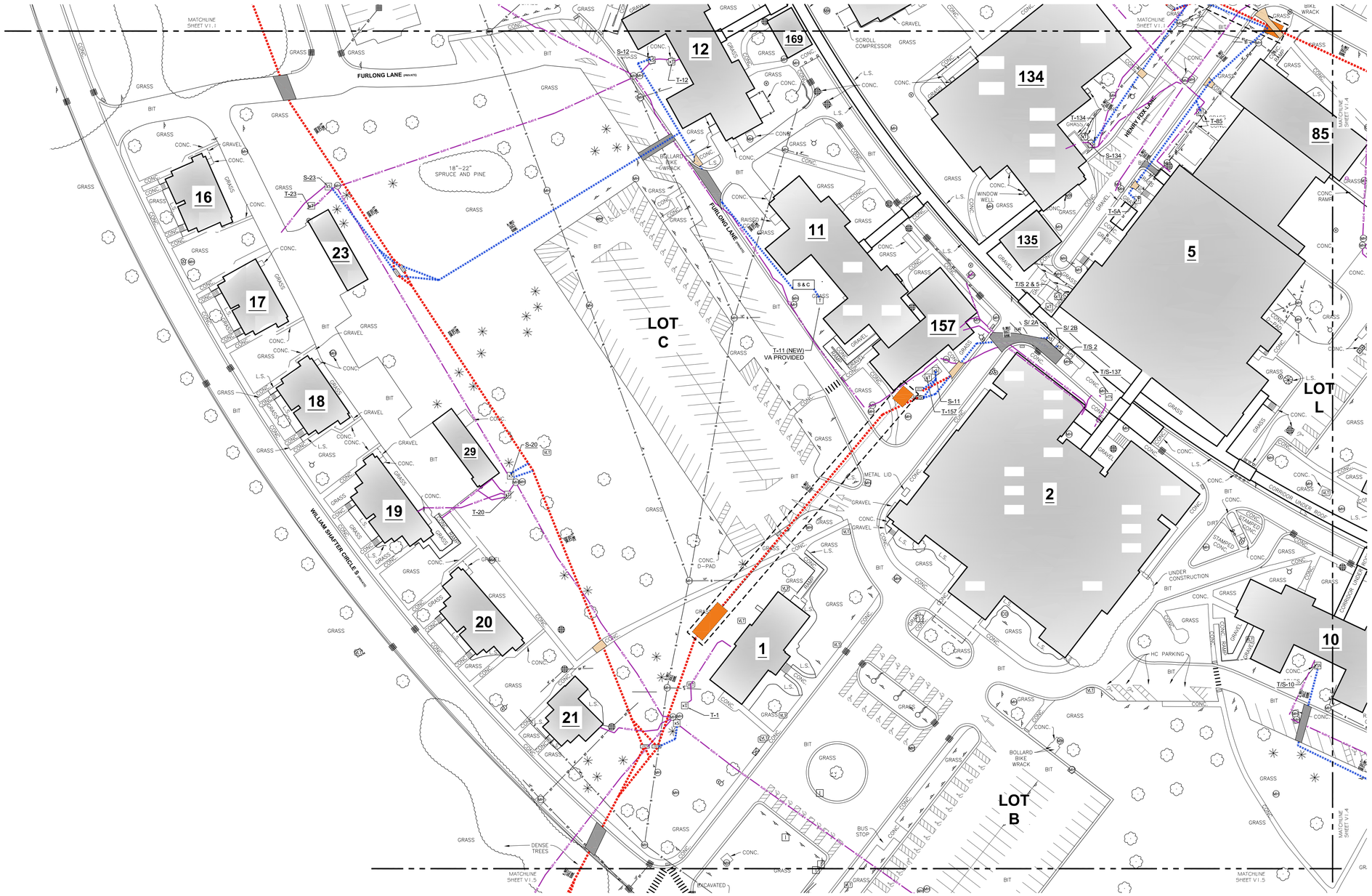
VA FORM 08-6231



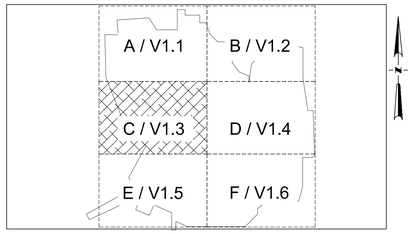
N

1 / V-1.3

PLANIMETRIC SURVEY - AREA C

SCALE: 1" = 40'-0"

SHEET KEY



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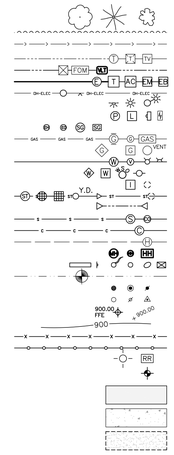

BEARING REFERENCE

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NOTE

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FLIGHT DATE: 5/12/2022

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
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Revisions:	Date:

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STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLANIMETRIC SURVEY DETAIL AREA C
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	V-1.3
	7 OF 45

VA FORM 08-6231

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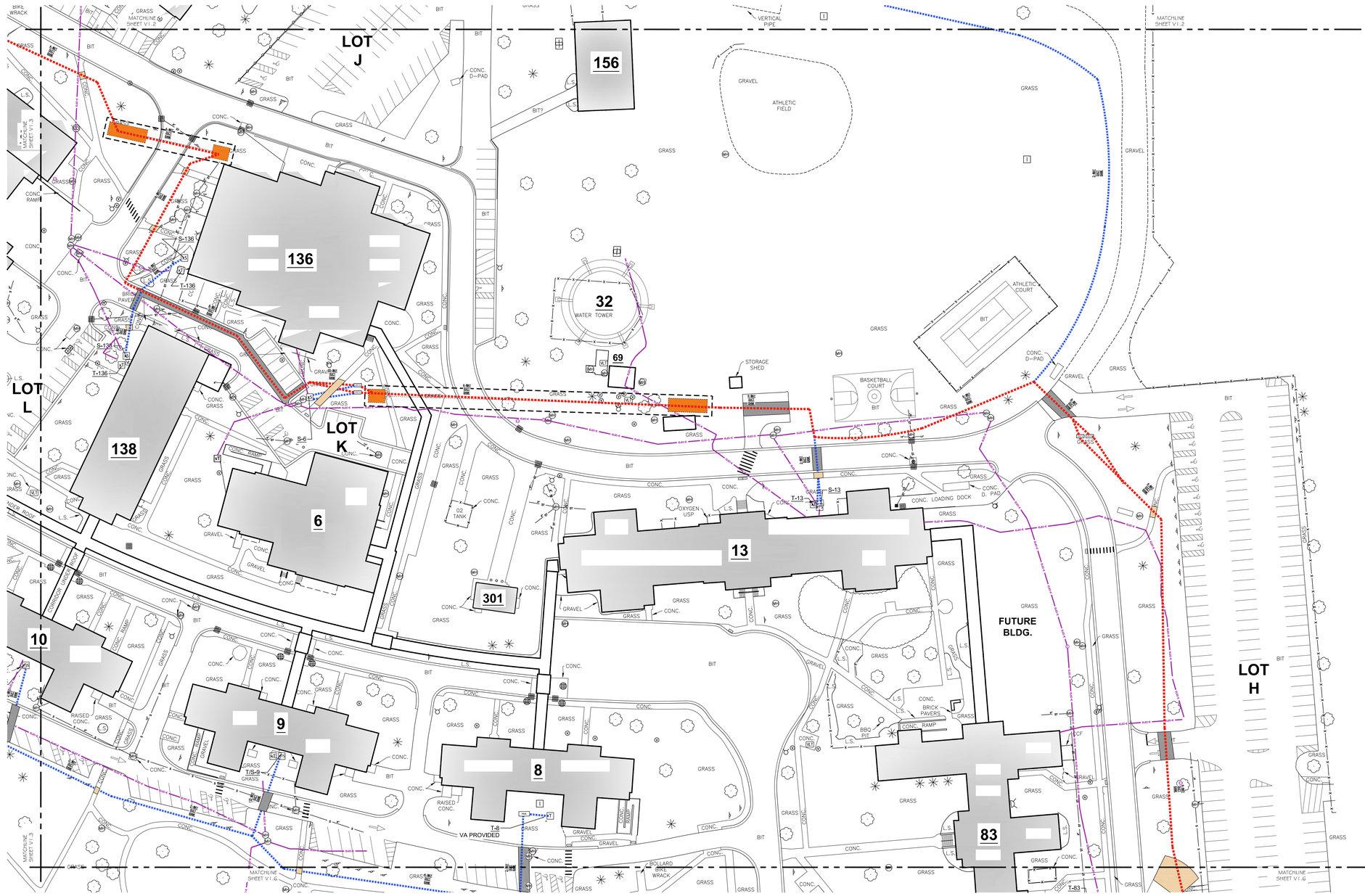


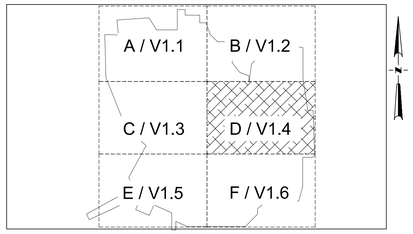
N

V-1.4

PLANIMETRIC SURVEY - AREA D

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

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TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
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ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
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FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
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NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

EXISTING TRANSFORMER, SWITCH, COMBO T / S
NEW TRANSFORMER, SWITCH
NEW VISTA SWITCH
NEW S & C SWITCH
EXISTING DISTRIBUTION LOOP
NEW PRIMARY DISTRIBUTION LOOP
NEW SECONDARY DISTRIBUTION LOOP
LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLANIMETRIC SURVEY DETAIL AREA D
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	V-1.4
	8 OF 45

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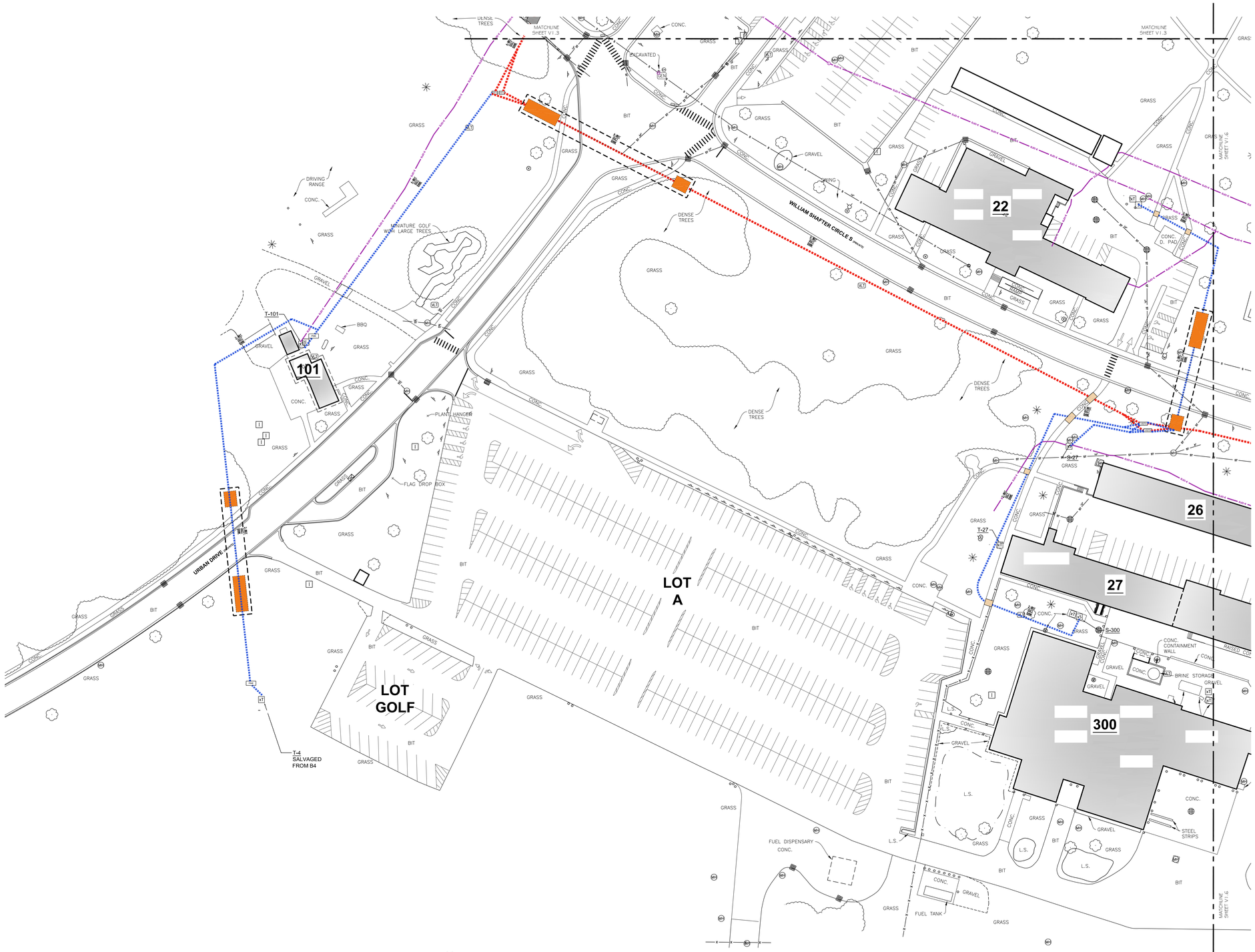
VA FORM 08-6231

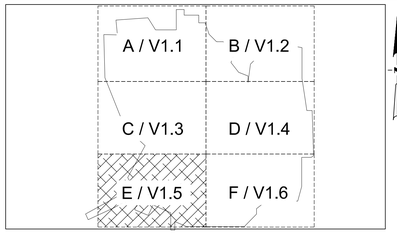


N

1 V-1.5 PLANIMETRIC SURVEY - AREA E

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
UG TELE, MH, TELE PED, CABLE PED
UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

EXISTING TRANSFORMER, SWITCH, COMBO T / S
NEW TRANSFORMER, SWITCH
NEW VISTA SWITCH
NEW S & C SWITCH
EXISTING DISTRIBUTION LOOP
NEW PRIMARY DISTRIBUTION LOOP
NEW SECONDARY DISTRIBUTION LOOP
LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions: | Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
Suite 200
Fort Wayne, Indiana 46808
PH: 260.424.4830
www.viridian-design.net

VIRIDIAN ARCHITECTURAL DESIGN INC.

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STAMP: STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

STAMP: STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301056447 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	PLANIMETRIC SURVEY DETAIL AREA E
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	V-1.5
	9 OF 45

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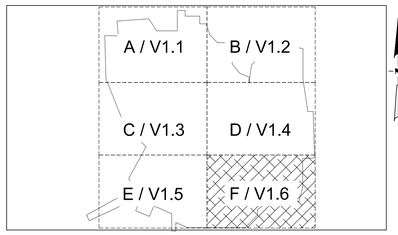
VA FORM 08-6231

SHEET KEY



EXISTING LEGEND

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TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
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UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

LEGEND

EXISTING TRANSFORMER, SWITCH, COMBO T / S
NEW TRANSFORMER, SWITCH
NEW VISTA SWITCH
NEW 5 ¢ C SWITCH
EXISTING DISTRIBUTION LOOP
NEW PRIMARY DISTRIBUTION LOOP
NEW SECONDARY DISTRIBUTION LOOP
LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

PLANIMETRIC SURVEY - AREA F
1 / V-1.6
SCALE: 1" = 40'-0"

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
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STAMP
STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301058647 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title PLANIMETRIC SURVEY DETAIL AREA F	**Phase** FINAL BID DOCUMENT	**Project Title** UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	**Project Number** 515-15-117
Approved: Project Director		**Location** Battle Creek, Michigan	**Building Number** CAMPUS
		Issue Date 01/19/2026 · **Checked** TWT, JH · **Drawn** LF	**Drawing Number** V-1.6 10 OF 45

VA FORM 08-6231

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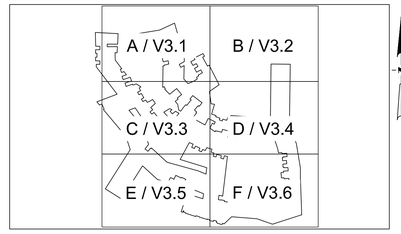
SHEET KEY



EXISTING LEGEND

- DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
- TREE LINE/ CANOPY
- DITCH/ DRAINING COURSE
- UG TELE, MH, TELE PED, CABLE PED
- UG FIBER, PED, LINE MARKER, VAULT
- UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
- OH ELEC, UTIL POLE, GUY WIRE
- GROUND LIGHT, POLE, POLE W/ ARM LT
- LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
- ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
- UG GAS, MH, VALVE, LINE MARKER
- GAS WELL, METER, VENT
- WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
- WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
- IRRIGATION CONTROL VALVE, SPRINKLER HEAD
- STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
- CULVERT/ END SECTION
- SANITARY SEWER, MH, CLEAN OUT
- COMBINED SEWER, MH
- STEAM LINE, MH
- MISC. MANHOLE, HAND HOLE, HAND BOX
- PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
- SECTION LINE, SECTION CORNER
- FOUND IRON ROD (FIR), FD MON, FD PK
- SET IRON ROD (SIR), SET PK, MAG NAIL
- FINISH FLOOR ELEVATION, SPOT ELEVATION
- CONTOUR
- FENCE
- GUARD RAIL
- RAILROAD SIGNAL, SIGNAL BOX
- SOIL BORING
- EX. ASPHALT
- EX. CONCRETE
- EX. GRAVEL

UTILITY NOTES

1. ALL FRANCHISE UTILITIES (GAS, FIBER, CABLE, UG ELEC., TELE.) SHOWN ARE BASED ON MISS DIG MARKINGS LOCATED AT TIME OF SURVEY UNLESS NOTED OTHERWISE.
2. THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

UTILITY REFERENCE LEGEND

- COMM — COMMUNICATION
- ELE — ELECTRIC
- IRR — IRRIGATION
- SAN — SANITARY
- STM — STEAM
- STO — STORM
- UNK — UNKNOWN
- WTR — WATER

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW 5 # C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

N

1 / V-3.0 — CAMPUS UTILITY SURVEY

SCALE: 1" = 100'-0"

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STATE OF MICHIGAN — TERRY W THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS UTILITY SURVEY	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE		Project Number: 515-15-117
		Building Number: CAMPUS
Location: Battle Creek, Michigan		Drawing Number: V-3.0
Issue Date: 01/19/2026	Checked: TWT, JH	Drawn: LF
		11 OF 45

VA FORM 08-6231

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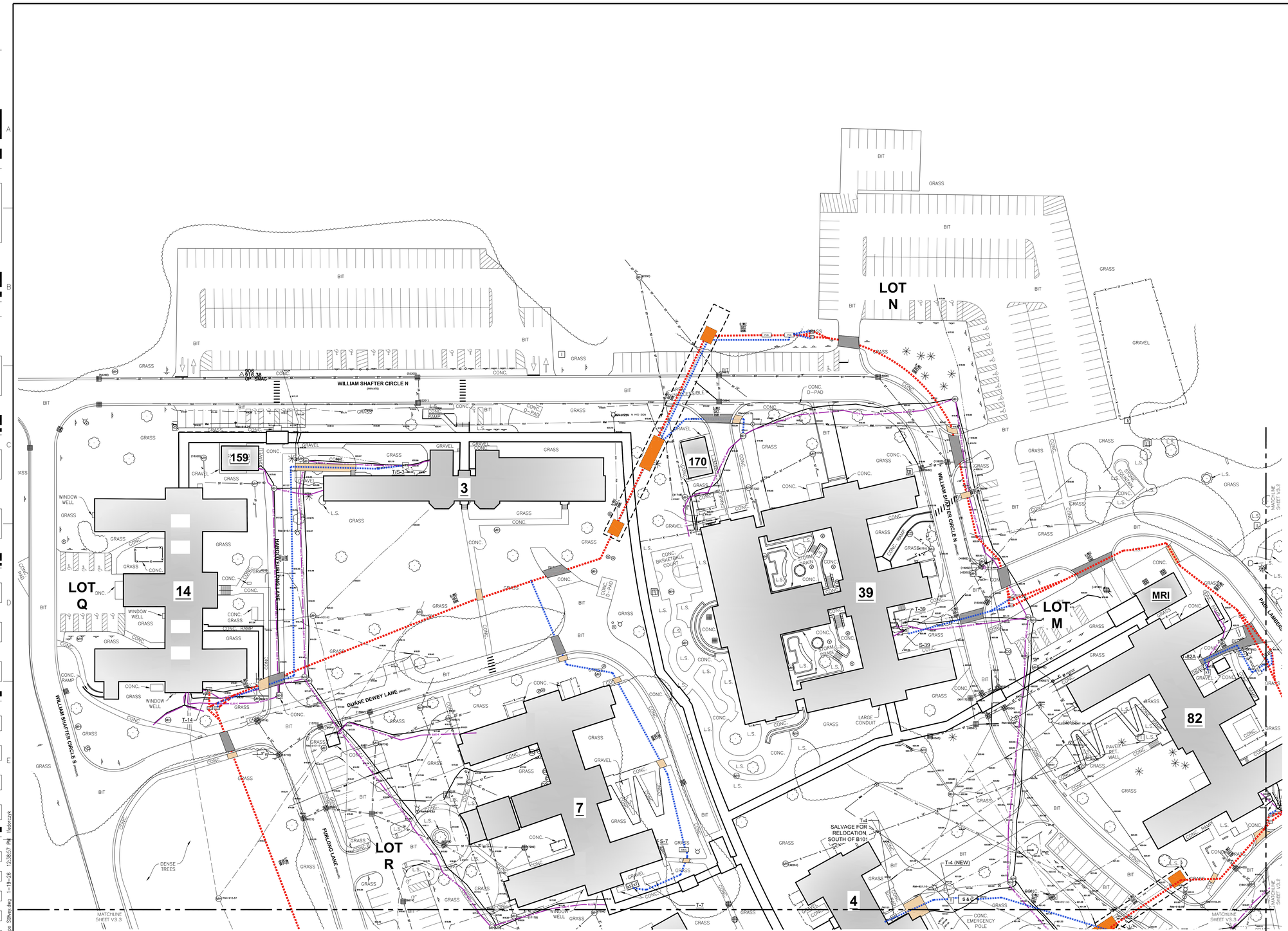
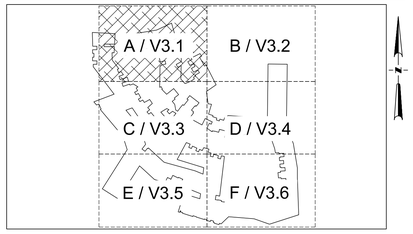


1 V-3.1 UTILITY SURVEY DETAIL - AREA A
SCALE: 1" = 40'-0"

SHEET KEY



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- FINISH FLOOR ELEVATION, SPOT ELEVATION
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- GUARD RAIL
- RAILROAD SIGNAL, SIGNAL BOX
- SOIL BORING
- EX. ASPHALT
- EX. CONCRETE
- EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

UTILITY REFERENCE LEGEND

- COMM — COMMUNICATION
- ELE — ELECTRIC
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- SAN — SANITARY
- STM — STEAM
- STO — STORM
- UNK — UNKNOWN
- WAT — WATER

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS UTILITY SURVEY DETAIL AREA A	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number: CAMPUS
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: V-3.1, 12 OF 45

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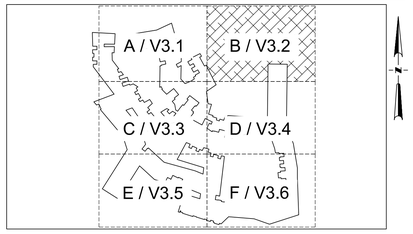
1 V-3.2

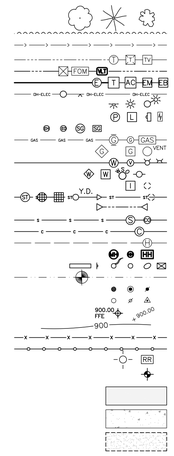
UTILITY SURVEY DETAIL - AREA B

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND



BEARING REFERENCE

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FLIGHT DATE: 5/12/2022

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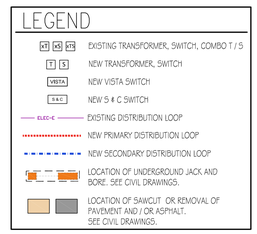

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **CAMPUS UTILITY SURVEY DETAIL AREA B**	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
			Building Number: CAMPUS
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number: **V-3.2**
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	13 OF 45

VA FORM 08-6231

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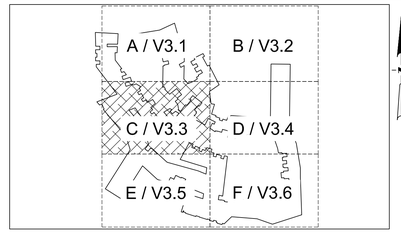
N

V-3.3 — UTILITY SURVEY DETAIL - AREA C

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

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BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
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NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

UTILITY REFERENCE LEGEND

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- STM — STEAM
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- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

STAMP
STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301058647 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title CAMPUS UTILITY SURVEY DETAIL AREA C	**Phase** FINAL BID DOCUMENT	**Project Title** UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	**Project Number** 515-15-117
Approved: Project Director		**Location** Battle Creek, Michigan	**Building Number** CAMPUS
		Issue Date 01/19/2026 · **Checked** TWT, JH · **Drawn** LF	**Drawing Number** V-3.3 14 OF 45

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VA FORM 08-6231

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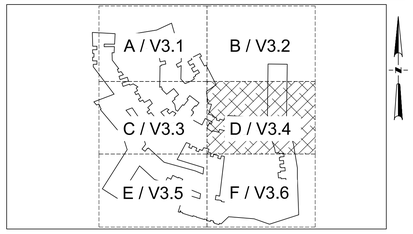
V-3.4

UTILITY SURVEY DETAIL - AREA D

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
UG TELE, MH, TELE PED, CABLE PED
UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

UTILITY REFERENCE LEGEND

COMM COMMUNICATION
ELE ELECTRIC
IRR IRRIGATION
SAN SANITARY
STM STEAM
STO STORM
UNK UNKNOWN
WAT WATER

LEGEND

EXISTING TRANSFORMER, SWITCH, COMBO T / S
NEW TRANSFORMER, SWITCH
NEW VISTA SWITCH
NEW 5 x C SWITCH
EXISTING DISTRIBUTION LOOP
NEW PRIMARY DISTRIBUTION LOOP
NEW SECONDARY DISTRIBUTION LOOP
LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
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Fort Wayne, Indiana 46808
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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STATE OF MICHIGAN
JAMES HYDE
ENGINEER
No. 6201059673
LICENSED PROFESSIONAL ENGINEER

STAMP

STATE OF MICHIGAN
TERRY W. THORNSBURY
ARCHITECT
No. 1301059647
LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CAMPUS UTILITY SURVEY DETAIL AREA D
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	CAMPUS
Location	Battle Creek, Michigan
Drawing Number	V-3.4
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
	15 OF 45

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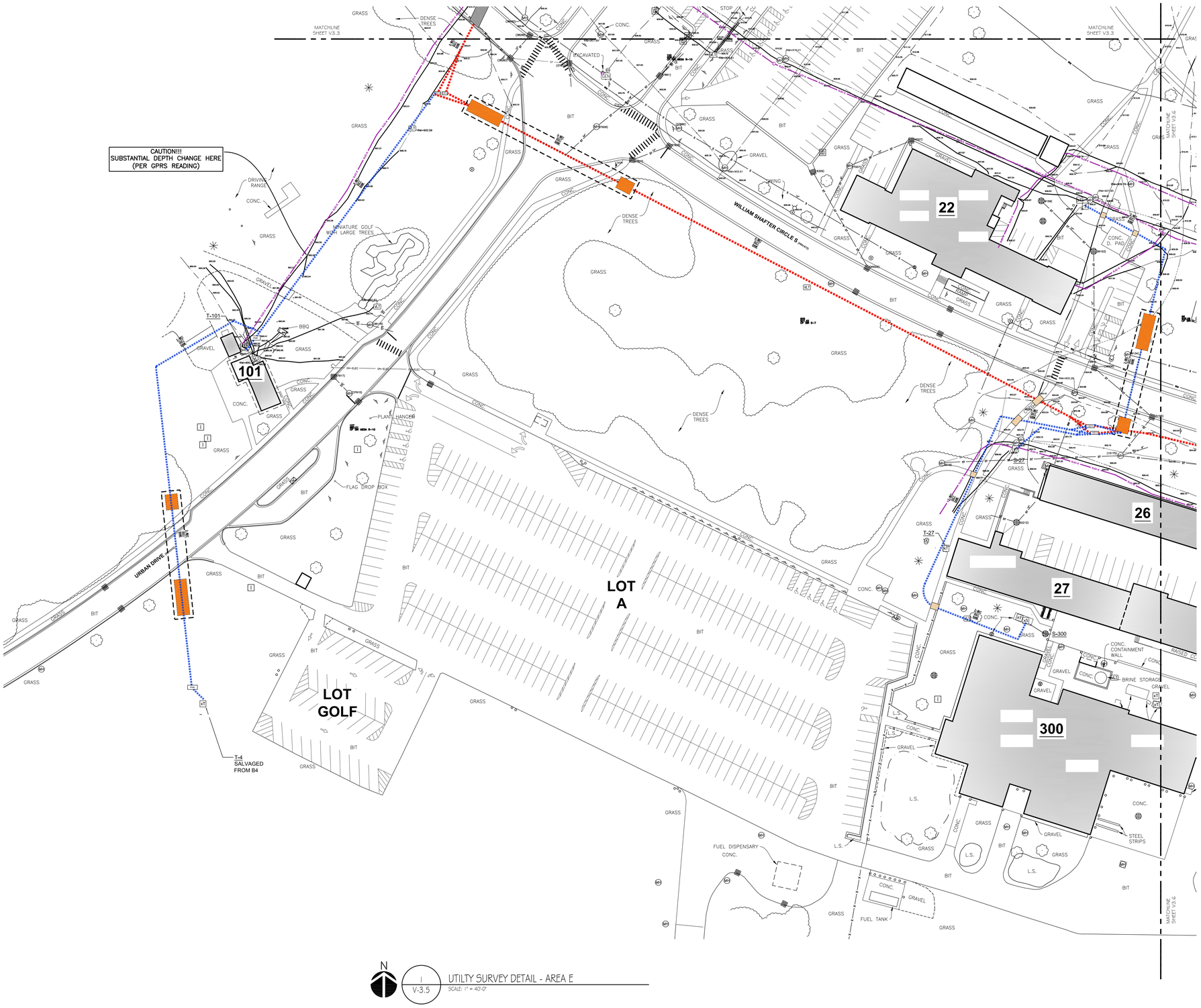
VA FORM 08-6231



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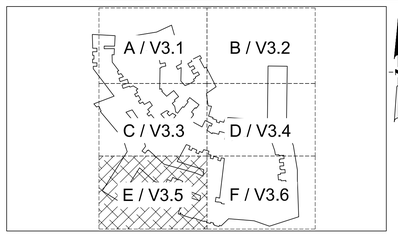
1 / V-3.5 UTILITY SURVEY DETAIL - AREA E

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
TREE LINE/ CANOPY
DITCH/ DRAINING COURSE
UG TELE, MH, TELE PED, CABLE PED
UG FIBER, PED, LINE MARKER, VAULT
UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
OH ELEC, UTIL POLE, GUY WIRE
GROUND LIGHT, POLE, POLE W/ ARM LT
LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
UG GAS, MH, VALVE, LINE MARKER
GAS WELL, METER, VENT
WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
IRRIGATION CONTROL VALVE, SPRINKLER HEAD
STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
CULVERT/ END SECTION
SANITARY SEWER, MH, CLEAN OUT
COMBINED SEWER, MH
STEAM LINE, MH
MISC. MANHOLE, HAND HOLE, HAND BOX
PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
SECTION LINE, SECTION CORNER
FOUND IRON ROD (FIR), FD MON, FD PK
SET IRON ROD (SIR), SET PK, MAG NAIL
FINISH FLOOR ELEVATION, SPOT ELEVATION
CONTOUR
FENCE
GUARD RAIL
RAILROAD SIGNAL, SIGNAL BOX
SOIL BORING
EX. ASPHALT
EX. CONCRETE
EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

UTILITY REFERENCE LEGEND

COMM COMMUNICATION
ELE ELECTRIC
IRR IRRIGATION
SAN SANITARY
STE STEAM
STR STORM
UNK UNKNOWN
WAT WATER

LEGEND

EXISTING TRANSFORMER, SWITCH, COMBO T / S
NEW TRANSFORMER, SWITCH
NEW VISTA SWITCH
NEW S & C SWITCH
EXISTING DISTRIBUTION LOOP
NEW PRIMARY DISTRIBUTION LOOP
NEW SECONDARY DISTRIBUTION LOOP
LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STAMP: STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059447 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **CAMPUS UTILITY SURVEY DETAIL AREA E**	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
			Building Number: CAMPUS
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number: **V-3.5**
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	16 OF 45

VA FORM 08-6231

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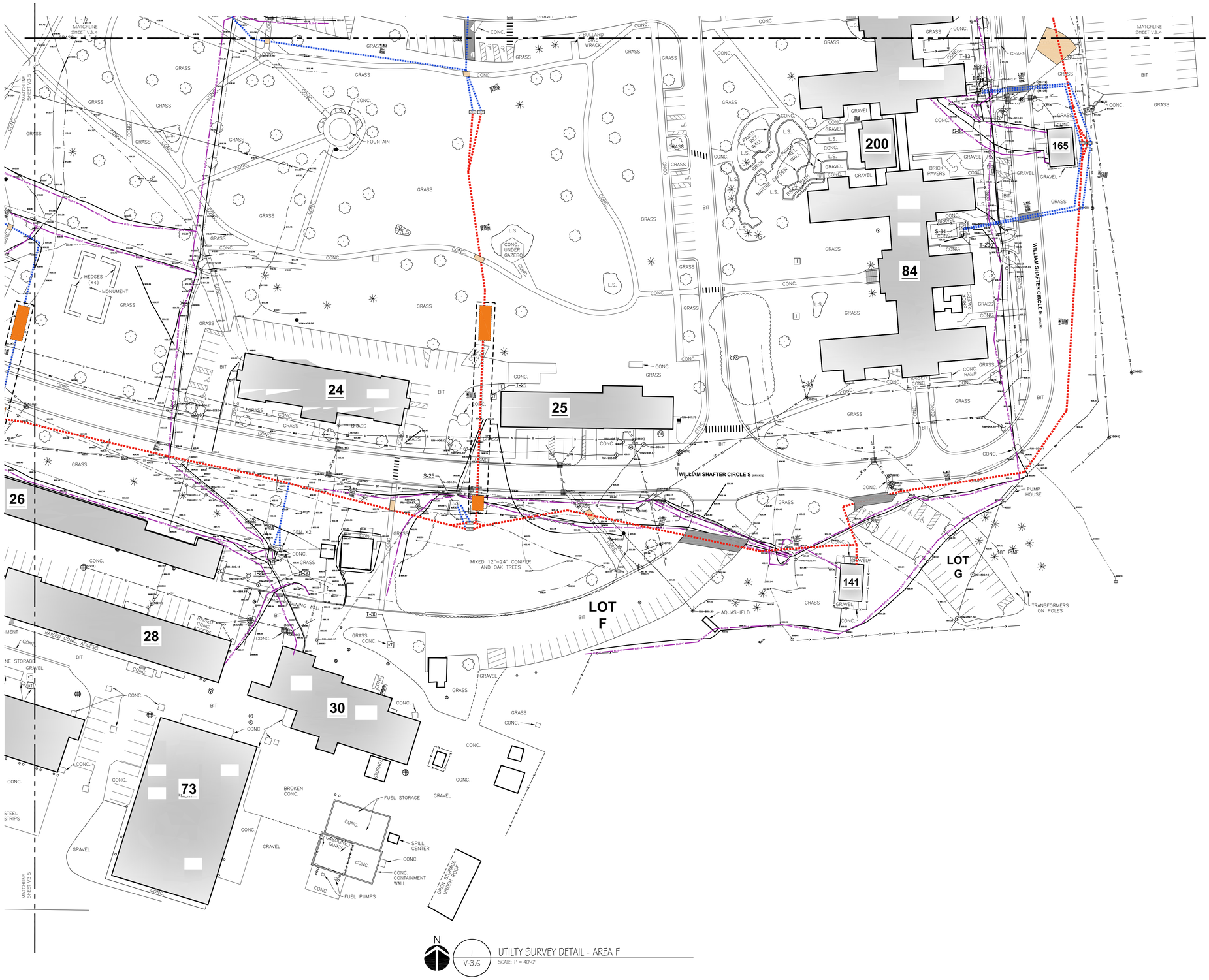

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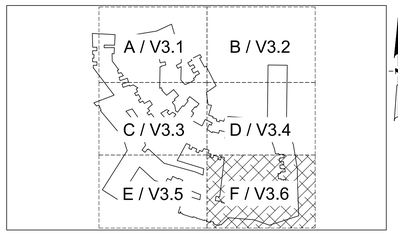
1 V-3.6

UTILITY SURVEY DETAIL - AREA F

SCALE: 1" = 40'-0"

SHEET KEY



EXISTING LEGEND

- DECIDUOUS TREE, CONIFEROUS TREE, SHRUB
- TREE LINE/ CANOPY
- DITCH/ DRAINING COURSE
- UG TELE, MH, TELE PED, CABLE PED
- UG FIBER, PED, LINE MARKER, VAULT
- UG ELEC, MH, TRANSFORMER, AC UNIT, METER, BOX
- OH ELEC, UTIL POLE, GUY WIRE
- GROUND LIGHT, POLE, POLE W/ ARM LT
- LIGHT MH, LT CTRL BOX, PARK. METER, CAR CHARGER
- ELEC HAND HOLE, OUTLET, SIGNAL MH, SIGNAL BOX
- UG GAS, MH, VALVE, LINE MARKER
- GAS WELL, METER, VENT
- WATER MAIN, MH, VALVE IN BOX, HYDRANT, FDC
- WATER WELL, METER, STOP BOX, POST INDICATOR VALVE
- IRRIGATION CONTROL VALVE, SPRINKLER HEAD
- STORM SEWER, MH, CB, INLET, YARD DRAIN, DOWN SPOUT
- CULVERT/ END SECTION
- SANITARY SEWER, MH, CLEAN OUT
- COMBINED SEWER, MH
- STEAM LINE, MH
- MISC. MANHOLE, HAND HOLE, HAND BOX
- PARKING BLOCK, SIGN, FLAG POLE, POST, ROCK, MAIL BOX
- SECTION LINE, SECTION CORNER
- FOUND IRON ROD (FIR), FD MON, FD PK
- SET IRON ROD (SIR), SET PK, MAG NAIL
- FINISH FLOOR ELEVATION, SPOT ELEVATION
- CONTOUR
- FENCE
- GUARD RAIL
- RAILROAD SIGNAL, SIGNAL BOX
- SOIL BORING
- EX. ASPHALT
- EX. CONCRETE
- EX. GRAVEL

BEARING REFERENCE

BEARINGS ARE BASED ON PROJECT COORDINATION SYSTEM:
MICHIGAN STATE PLANE COORDINATE SYSTEM, NAD83 (CONUS) (MOL) (GRS80), SOUTH ZONE 2113, INTERNATIONAL FEET, GRID

NOTE

CONTENTS OF THIS SURVEY ARE BASED ON AERIAL PHOTOGRAMMETRY TAKEN BY: MONUMENT ENGINEERING GROUP ASSOCIATES, INC.
FLIGHT DATE: 5/12/2022

UTILITY REFERENCE LEGEND

- COMM — COMMUNICATION
- ELE — ELECTRIC
- IRR — IRRIGATION
- SAN — SANITARY
- STM — STEAM
- STR — STORM
- UNK — UNKNOWN
- WAT — WATER

LEGEND

- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

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STAMP

STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301056647 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title CAMPUS UTILITY SURVEY DETAIL AREA F	**Phase** FINAL BID DOCUMENT	**Project Title** UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	**Project Number** 515-15-117
			Building Number CAMPUS
Approved: Project Director		**Location** Battle Creek, Michigan	**Drawing Number** V-3.6
		Issue Date 01/19/2026 / **Checked** TWT, JH / **Drawn** LF	17 OF 45

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VA FORM 08-6231

CIVIL DEMOLITION PLAN - OVERALL

SCALE: 1" = 100'-0"

1 / CD100

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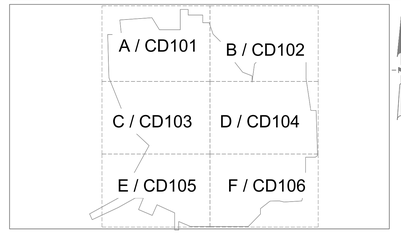
SHEET KEY



GENERAL DEMOLITION NOTES

1. ALL CONTRACTORS SHALL CLEAN SITE THOROUGHLY AT THE END OF EACH WORK DAY.
2. ALL CONTRACTORS TO STAGE OPERATIONS AND STORE MATERIALS IN THE LOCATION SHOWN ON THE PLAN. SEE AREA B ON SHEET CD102 FOR LOCATION.
3. ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES, CONTRACTOR IS TO CONTACT THE COR IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
4. PRIOR TO THE COMMENCEMENT OF ANY / ALL WORK, VERIFY THE LOCATION AND ENSURE THE OBVIOUS MARKING OF ALL EXISTING UTILITIES AND RELATED EQUIPMENT ON, ABOVE, OR BENEATH THE ADJACENT WORK AREA, WHETHER INDICATED TO REMAIN, TO BE MODIFIED, OR REMOVED. CONTRACTOR IS REQUIRED TO VERIFY DEPTH OF ALL UTILITIES LOCATED WITHIN THE WORK AREA UTILIZING GROUND PENETRATING RADAR (GPR) TO THE FULLEST EXTENT POSSIBLE. COORDINATE ALL VERIFICATION AND MARKING WORK WITH COR.
5. ALL CONCRETE SCHEDULED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST JOINT.
6. PROTECT ALL OTHER EXISTING TREES, LANDSCAPING, PARKING LOTS, AND SIDEWALKS FROM DAMAGE.
7. ADJUST ANY EXISTING MANHOLES, VALVES, HYDRANTS, AND HANDHOLES, LOCATED WITHIN PROJECT LIMITS, TO PROPOSED GRADES.
8. EXISTING UTILITIES ARE APPROXIMATIONS BASED ON BEST AVAILABLE DATA. CAUTION SHALL BE EXERCISED TO NOT INTERRUPT SERVICE TO ANY BUILDING. EXPLORATORY TRENCH TO VERIFY DEPTH AND LOCATION OF SEWERS PRIOR TO CONSTRUCTION OF PROPOSED ELECTRICAL FEEDS. WHERE OPEN CUT IS REQUIRED ASSURE ALL ON-SITE AND ALL STORM WATER IS DIRECTED INTO THE STORM SEWER SYSTEM AFTER REPAIRS HAVE BEEN MADE.
9. PROVIDE RECORD DRAWINGS TO THE OWNER FOR BELOW GRADE IMPROVEMENTS. INCLUDE: MATERIALS OF CONSTRUCTION, SIZE, ELEVATIONS, AND LOCATION DESCRIPTIONS IN THE RECORD. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS SECTION 1.11 AS-BUILT DRAWINGS FOR ADDITIONAL INFORMATION.
10. ALL FILL FOR ABANDONED AND REMOVED STRUCTURES SHALL BE TRENCH BACKFILL PER EARTHWORK SPECIFICATION, #312011.

DEMO CONSTRUCTION NOTES

1. FOR REFERENCE ONLY: SEE DEMOLITION PRIMARY ELECTRIC DISTRIBUTION PLAN FOR DEMOLITION OF EXISTING ELECTRIC LOOP
2. SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
3. SAWCUT AND REMOVE TO NEAREST JOINT CONCRETE SIDEWALK / PAVEMENT INCLUDING STONE BASE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
4. SAWCUT AND REMOVE CONCRETE CURB AND / OR GUTTER INCLUDING STONE BASE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
5. TEMPORARILY REMOVE FENCE AS NEEDED FOR INSTALLATION OF NEW ELECTRIC UTILITIES. RESET FENCE AFTER CONSTRUCTION IS COMPLETE.
6. CONTRACTOR TO REMOVE TREE INCLUDING ROOT BALL. BACKFILL AREA AS OUTLINED IN THE EARTHWORK SPECIFICATION #312011.
7. CONTRACTOR TO REMOVE AND SALVAGE SIGN IF IN CONFLICT WITH PROPOSED CONSTRUCTION. REINSTALL AFTER CONSTRUCTION IS COMPLETE.
8. CONTRACTOR TO REMOVE STONE PATH AS NEEDED FOR INSTALLATION OF NEW ELECTRIC UTILITIES.
9. CONTRACTOR TO REMOVE TREES, INCLUDING ROOTBALLS AS NEEDED TO INSTALL NEW ELECTRICAL LINES.
10. CONTRACTOR TO REMOVE LANDSCAPE BED IN ITS ENTIRETY; INCLUDING ROOT BALLS. BACKFILL AREA AS OUTLINED IN THE EARTHWORK SPECIFICATION #31 20 11.

DEMOLITION LEGEND

- REMOVE CONCRETE PAVEMENT / SIDEWALK INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE CONCRETE CURB AND GUTTER INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE.
- FOR REFERENCE ONLY: EXISTING ELECTRICAL LOOP DEMOLITION

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR SHALL HIRE A PRIVATE UTILITY CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS REQUIRED TO VERIFY DEPTH OF ALL UTILITIES LOCATED WITHIN THE WORK AREA UTILIZING GROUND PENETRATING RADAR (GPR) TO THE FULLEST EXTENT POSSIBLE.

NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY LINES AND STRUCTURES AS WELL AS SITE ITEMS (I.E. SIGNS, LIGHTS, ETC.) NOT SCHEDULED TO BE REMOVED AS PART OF THIS PROJECT FROM DAMAGE DURING ALL PHASES OF THIS PROJECT. ANY ITEMS DAMAGED SHALL BE REPAIRED AT NO COST TO THE VA. DAMAGE TO THE SITE / LANDSCAPING SHALL BE RESTORED AT END OF EACH PHASE REGARDLESS OF THE OVERALL PROJECTS PROGRESS / COMPLETION.

NOTE:
CONTRACTOR SHALL EXCAVATE AROUND EXISTING BUILDING IN SECTIONS TO MINIMIZE POTENTIAL ISSUES WITH BUILDING FOUNDATION SYSTEM.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY REMOVALS WITH THE COR.

NOTE:
CONTRACTOR TO NOTIFY VA OF AREAS OF WORK WHERE BUILDING ACCESS WILL BE AFFECTED. ONLY ONE ENTRANCE INTO EACH BUILDING WILL BE CLOSED AT ANY GIVEN TIME.

NOTE:
ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

LEGEND

- E — EXISTING MANHOLE - ELECTRICAL
- XT XS XTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- ELEC-E — EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

Revisions:	Date:

CONSULTANT

ENGINEERING RESOURCES, INC.
4175 New Vision Drive, Fort Wayne, IN 46845
Ph: (260) 490-1025 Fax: (260) 490-1026
www.eri.consulting

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STATE OF MICHIGAN — LICENSED PROFESSIONAL ENGINEER
MARK D. REINHARD
ENGINEER
No. 6201313525
09-27-2024

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL DEMOLITION PLAN - OVERALL	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
	Building Number: CAMPUS
Location: Battle Creek, Michigan	Drawing Number: CD100
Issue Date: 01/19/2026	Checked: MDR, DLR
	Drawn: KRK

18 OF 45

VA FORM 08-6231

CIVIL DEMOLITION PLAN - AREA A
SCALE: 1" = 40'-0"

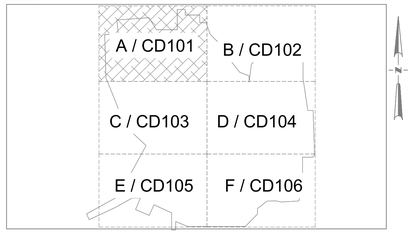
1 / CD101

N

LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- ELEC-E — EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

SHEET KEY



GENERAL DEMOLITION NOTES

1. ALL CONTRACTORS SHALL CLEAN SITE THOROUGHLY AT THE END OF EACH WORK DAY.
2. ALL CONTRACTORS TO STAGE OPERATIONS AND STORE MATERIALS IN THE LOCATION SHOWN ON THE PLAN. SEE AREA B ON SHEET CD102 FOR LOCATION.
3. ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES, CONTRACTOR IS TO CONTACT THE COR IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
4. PRIOR TO THE COMMENCEMENT OF ANY / ALL WORK, VERIFY THE LOCATION AND ENSURE THE OBVIOUS MARKING OF ALL EXISTING UTILITIES AND RELATED EQUIPMENT ON, ABOVE, OR BENEATH THE ADJACENT WORK AREA, WHETHER INDICATED TO REMAIN, TO BE MODIFIED, OR REMOVED. CONTRACTOR IS REQUIRED TO VERIFY DEPTH OF ALL UTILITIES LOCATED WITHIN THE WORK AREA UTILIZING GROUND PENETRATING RADAR (GPR) TO THE FULLEST EXTENT POSSIBLE. COORDINATE ALL VERIFICATION AND MARKING WORK WITH COR.
5. ALL CONCRETE SCHEDULED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST JOINT.
6. PROTECT ALL OTHER EXISTING TREES, LANDSCAPING, PARKING LOTS, AND SIDEWALKS FROM DAMAGE.
7. ADJUST ANY EXISTING MANHOLES, VALVES, HYDRANTS, AND HANDHOLES, LOCATED WITHIN PROJECT LIMITS, TO PROPOSED GRADES.
8. EXISTING UTILITIES ARE APPROXIMATIONS BASED ON BEST AVAILABLE DATA. CAUTION SHALL BE EXERCISED TO NOT INTERRUPT SERVICE TO ANY BUILDING. EXPLORATORY TRENCH TO VERIFY DEPTH AND LOCATION OF SEWERS PRIOR TO CONSTRUCTION OF PROPOSED ELECTRICAL FEEDS. WHERE OPEN CUT IS REQUIRED ASSURE ALL ON-SITE AND ALL STORM WATER IS DIRECTED INTO THE STORM SEWER SYSTEM AFTER REPAIRS HAVE BEEN MADE.
9. PROVIDE RECORD DRAWINGS TO THE OWNER FOR BELOW GRADE IMPROVEMENTS. INCLUDE: MATERIALS OF CONSTRUCTION, SIZE, ELEVATIONS, AND LOCATION DESCRIPTIONS IN THE RECORD. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS SECTION 1.11 AS-BUILT DRAWINGS FOR ADDITIONAL INFORMATION.
10. ALL FILL FOR ABANDONED AND REMOVED STRUCTURES SHALL BE TRENCH BACKFILL, PER EARTHWORK SPECIFICATION, #31 20 11.

DEMO CONSTRUCTION NOTES

1. FOR REFERENCE ONLY: SEE DEMOLITION PRIMARY ELECTRIC DISTRIBUTION PLAN FOR DEMOLITION OF EXISTING ELECTRIC LOOP
2. SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
3. SAWCUT AND REMOVE TO NEAREST JOINT CONCRETE SIDEWALK / PAVEMENT INCLUDING STONE BASE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
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DEMOLITION LEGEND

- REMOVE CONCRETE PAVEMENT / SIDEWALK INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE CONCRETE CURB AND GUTTER INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE.
- FOR REFERENCE ONLY: EXISTING ELECTRICAL LOOP DEMOLITION

NOTE:
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NOTE:
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NOTE:
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Revisions:	Date:

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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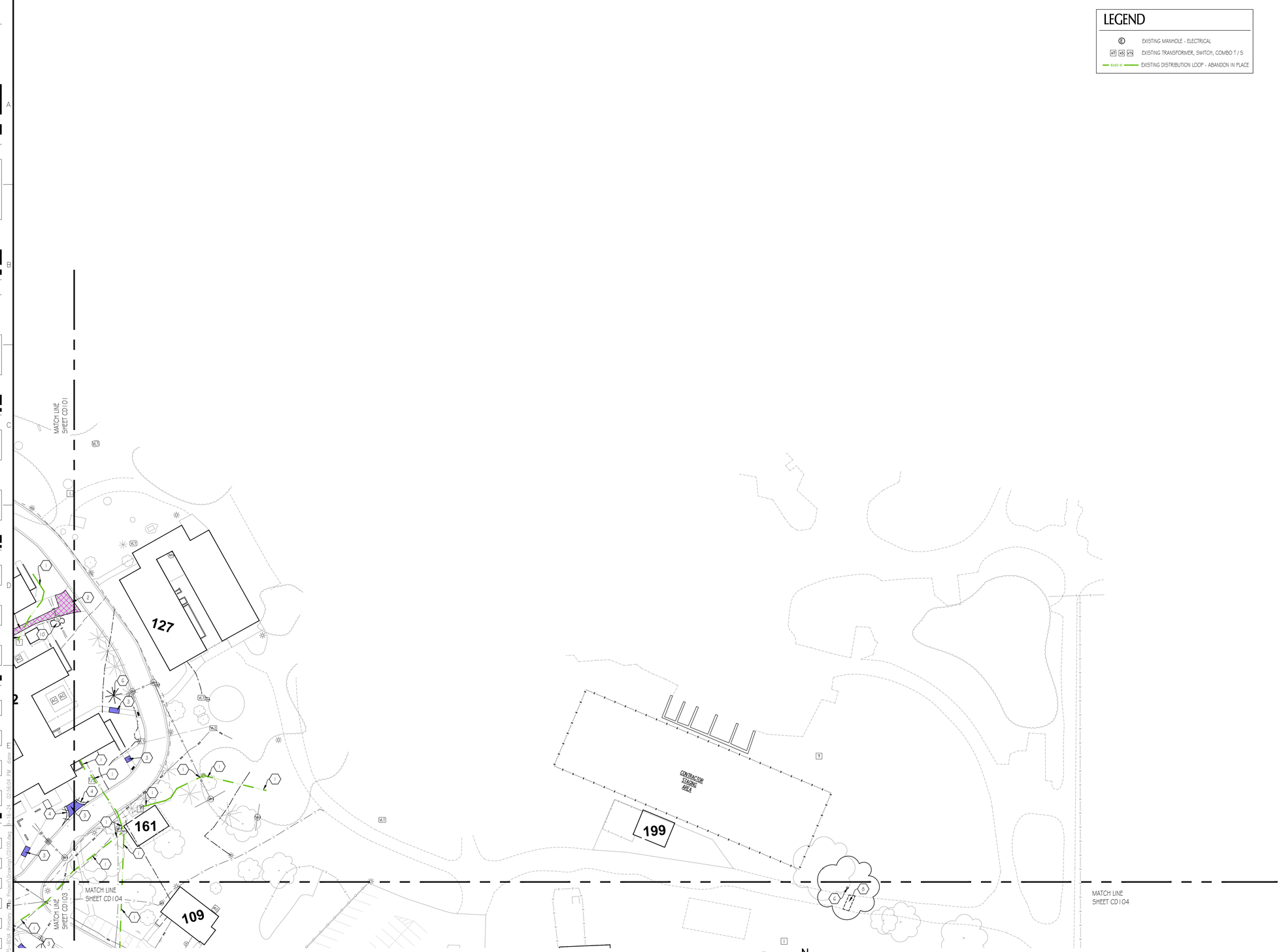
STATE OF MICHIGAN — MARK D. REINHARD — ENGINEER — No. 6201313525 — LICENSED PROFESSIONAL ENGINEER
09-27-2024

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title CAMPUS SITE DEMOLITION PLAN - AREA A	**Phase** FINAL BID DOCUMENT	**Project Title** REPLACE ELECTRICAL PRIMARY DISTRIBUTION	**Project Number** 515-15-117
Approved: Project Director		**Location** Battle Creek, Michigan	**Building Number** CAMPUS
		Issue Date 01/19/2026 · **Checked** MDR, DLR · **Drawn** KRK	**Drawing Number** CD101 19 OF 45

VA FORM 08-6231



CIVIL DEMOLITION PLAN - AREA B
SCALE: 1" = 40'-0"

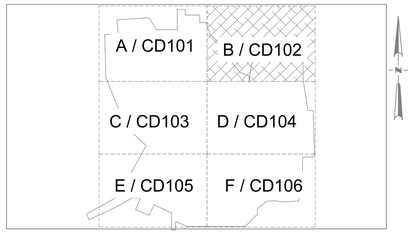
1 / CD102

N

LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- ELEC-E — EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

SHEET KEY



GENERAL DEMOLITION NOTES

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Revisions:	Date:

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09-27-2024
STATE OF MICHIGAN
REGISTERED PROFESSIONAL ENGINEER
MARK D. REINHARD
ENGINEER
No. 6201313525

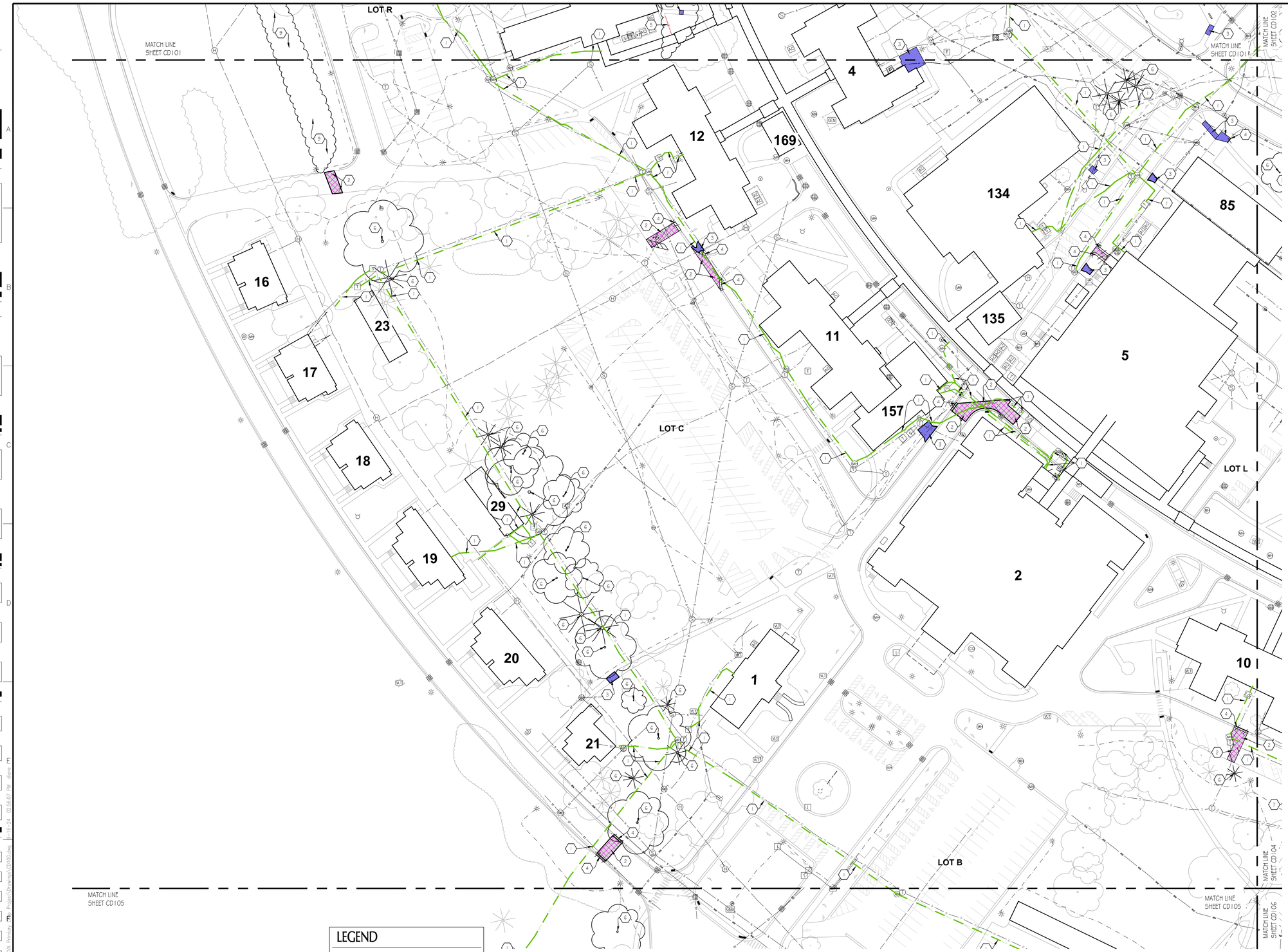
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SITE DEMOLITION PLAN - AREA B	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
	Building Number: CAMPUS
Location: Battle Creek, Michigan	Drawing Number: CD102 20 OF 45
Issue Date: 01/19/2026	Checked: MDR, DLR
	Drawn: KRK

VA FORM 08-6231



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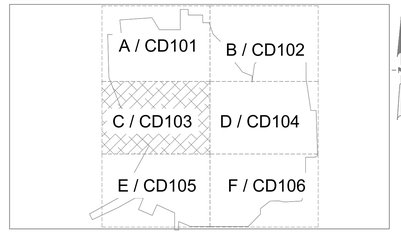

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LEGEND

- (E) EXISTING MANHOLE - ELECTRICAL
- XT XS XTS EXISTING TRANSFORMER, SWITCH, COMBO T / S
- ELEC-E EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

CIVIL DEMOLITION PLAN - AREA C
SCALE: 1" = 40'-0"
1 / CD103

N

Revisions:	Date:

CONSULTANT

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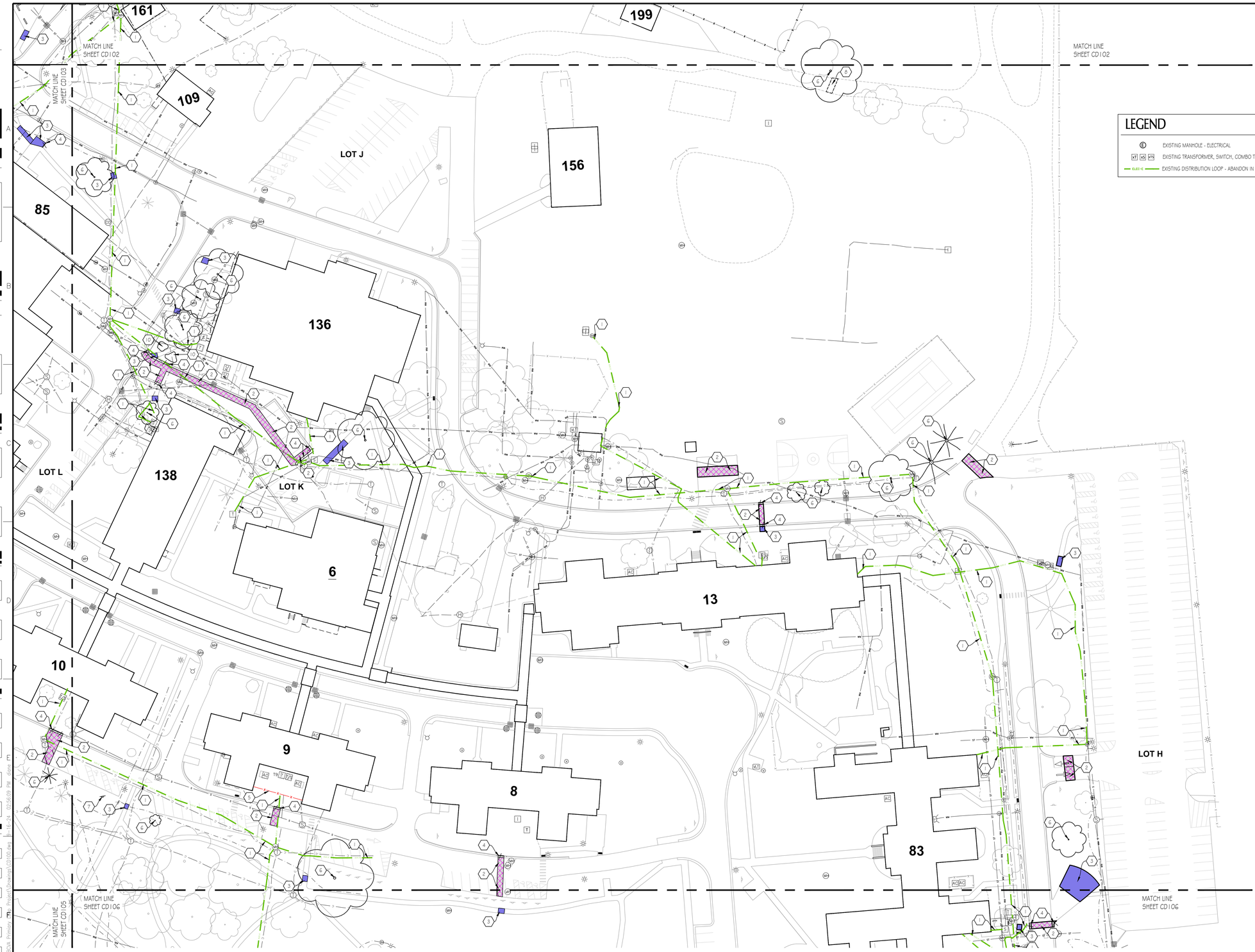
STATE OF MICHIGAN
MARK D. REINHARD
ENGINEER
No. 6201313525
LICENSED PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title CIVIL DEMOLITION PLAN - AREA C	**Phase** FINAL BID DOCUMENT	**Project Title** REPLACE ELECTRICAL PRIMARY DISTRIBUTION	**Project Number** 515-15-117
Approved: Project Director		**Building Number** CAMPUS	
		Location Battle Creek, Michigan	**Drawing Number** CD103 21 OF 45
		Issue Date 01/19/2026 · **Checked** MDR, DLR · **Drawn** KRK	

VA FORM 08-6231



CIVIL DEMOLITION PLAN - AREA D

SCALE: 1" = 40'-0"

CD104

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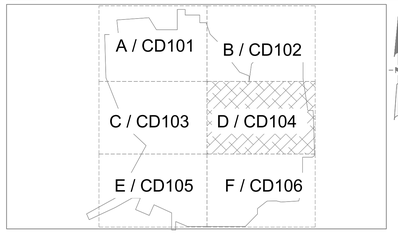
SHEET KEY



LEGEND

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- EXISTING TRANSFORMER, SWITCH, COMBO T / S
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ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

Revisions:	Date:

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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09-27-2024
STATE OF MICHIGAN
MARK D. REINHARD
ENGINEER
No. 6201313525
LICENSED PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL DEMOLITION PLAN - AREA D	Phase: FINAL BID DOCUMENT	Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION
Approved: Project Director		Location: Battle Creek, Michigan
		Issue Date: 01/19/2026 · Checked: MDR, DLR · Drawn: KRK

Project Number: 515-15-117
Building Number: CAMPUS
Drawing Number: CD104
22 OF 45

VA FORM 08-6231

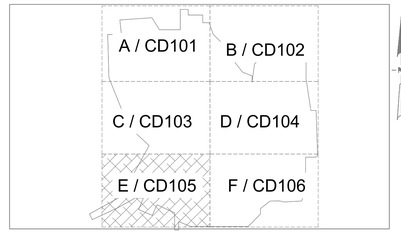
three inches = one foot · one and one half inches = one foot · one inch = one foot · three quarters inch = one foot · one half inch = one foot · three eighths inch = one foot · one quarter inch = one foot · one eighth inch = one foot

CIVIL DEMOLITION PLAN - AREA E
SCALE: 1" = 40'-0"

1 / CD105

N

SHEET KEY



GENERAL DEMOLITION NOTES

1. ALL CONTRACTORS SHALL CLEAN SITE THOROUGHLY AT THE END OF EACH WORK DAY.
2. ALL CONTRACTORS TO STAGE OPERATIONS AND STORE MATERIALS IN THE LOCATION SHOWN ON THE PLAN. SEE AREA B ON SHEET CD102 FOR LOCATION.
3. ALL CONTRACTORS ARE RESPONSIBLE FOR ANY DAMAGES CAUSED DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES, CONTRACTOR IS TO CONTACT THE COR IMMEDIATELY PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
4. PRIOR TO THE COMMENCEMENT OF ANY / ALL WORK, VERIFY THE LOCATION AND ENSURE THE OBVIOUS MARKING OF ALL EXISTING UTILITIES AND RELATED EQUIPMENT ON, ABOVE, OR BENEATH THE ADJACENT WORK AREA, WHETHER INDICATED TO REMAIN, TO BE MODIFIED, OR REMOVED. CONTRACTOR IS REQUIRED TO VERIFY DEPTH OF ALL UTILITIES LOCATED WITHIN THE WORK AREA UTILIZING GROUND PENETRATING RADAR (GPR) TO THE FULLEST EXTENT POSSIBLE. COORDINATE ALL VERIFICATION AND MARKING WORK WITH COR.
5. ALL CONCRETE SCHEDULED FOR REMOVAL SHALL BE REMOVED TO THE NEAREST JOINT.
6. PROTECT ALL OTHER EXISTING TREES, LANDSCAPING, PARKING LOTS, AND SIDEWALKS FROM DAMAGE.
7. ADJUST ANY EXISTING MANHOLES, VALVES, HYDRANTS, AND HANDHOLES, LOCATED WITHIN PROJECT LIMITS, TO PROPOSED GRADES.
8. EXISTING UTILITIES ARE APPROXIMATIONS BASED ON BEST AVAILABLE DATA. CAUTION SHALL BE EXERCISED TO NOT INTERRUPT SERVICE TO ANY BUILDING. EXPLORATORY TRENCH TO VERIFY DEPTH AND LOCATION OF SEWERS PRIOR TO CONSTRUCTION OF PROPOSED ELECTRICAL FEEDS. WHERE OPEN CUT IS REQUIRED ASSURE ALL ON-SITE AND ALL STORM WATER IS DIRECTED INTO THE STORM SEWER SYSTEM AFTER REPAIRS HAVE BEEN MADE.
9. PROVIDE RECORD DRAWINGS TO THE OWNER FOR BELOW GRADE IMPROVEMENTS. INCLUDE: MATERIALS OF CONSTRUCTION, SIZE, ELEVATIONS, AND LOCATION DESCRIPTIONS IN THE RECORD. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS SECTION 1.11 AS-BUILT DRAWINGS FOR ADDITIONAL INFORMATION.
10. ALL FILL FOR ABANDONED AND REMOVED STRUCTURES SHALL BE TRENCH BACKFILL, PER EARTHWORK SPECIFICATION, #312011.

DEMO CONSTRUCTION NOTES

1. FOR REFERENCE ONLY: SEE DEMOLITION PRIMARY ELECTRIC DISTRIBUTION PLAN FOR DEMOLITION OF EXISTING ELECTRIC LOOP
2. SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
3. SAWCUT AND REMOVE TO NEAREST JOINT CONCRETE SIDEWALK / PAVEMENT INCLUDING STONE BASE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
4. SAWCUT AND REMOVE CONCRETE CURB AND / OR GUTTER INCLUDING STONE BASE, AS NEEDED FOR INSTALLATION OF THE NEW ELECTRIC UTILITIES.
5. TEMPORARILY REMOVE FENCE AS NEEDED FOR INSTALLATION OF NEW ELECTRIC UTILITIES. RESET FENCE AFTER CONSTRUCTION IS COMPLETE.
6. CONTRACTOR TO REMOVE TREE INCLUDING ROOT BALL. BACKFILL AREA AS OUTLINED IN THE EARTHWORK SPECIFICATION #312011.
7. CONTRACTOR TO REMOVE AND SALVAGE SIGN IF IN CONFLICT WITH PROPOSED CONSTRUCTION. REINSTALL AFTER CONSTRUCTION IS COMPLETE.
8. CONTRACTOR TO REMOVE STONE PATH AS NEEDED FOR INSTALLATION OF NEW ELECTRIC UTILITIES.
9. CONTRACTOR TO REMOVE TREES, INCLUDING ROOTBALLS AS NEEDED TO INSTALL NEW ELECTRICAL LINES.
10. CONTRACTOR TO REMOVE LANDSCAPE BED IN ITS ENTIRETY; INCLUDING ROOT BALLS. BACKFILL AREA AS OUTLINED IN THE EARTHWORK SPECIFICATION #312011.

DEMOLITION LEGEND

- REMOVE CONCRETE PAVEMENT / SIDEWALK INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE CONCRETE CURB AND GUTTER INCLUDING STONE BASE DOWN TO SUBGRADE.
- SAWCUT AND REMOVE ASPHALT PAVEMENT INCLUDING STONE BASE DOWN TO SUBGRADE.
- FOR REFERENCE ONLY: EXISTING ELECTRICAL LOOP DEMOLITION

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR SHALL HIRE A PRIVATE UTILITY CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS REQUIRED TO VERIFY DEPTH OF ALL UTILITIES LOCATED WITHIN THE WORK AREA UTILIZING GROUND PENETRATING RADAR (GPR) TO THE FULLEST EXTENT POSSIBLE.

NOTE:
CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY LINES AND STRUCTURES AS WELL AS SITE ITEMS (I.E. SIGNS, LIGHTS, ETC.) NOT SCHEDULED TO BE REMOVED AS PART OF THIS PROJECT FROM DAMAGE DURING ALL PHASES OF THIS PROJECT. ANY ITEMS DAMAGED SHALL BE REPAIRED AT NO COST TO THE VA. DAMAGE TO THE SITE / LANDSCAPING SHALL BE RESTORED AT END OF EACH PHASE REGARDLESS OF THE OVERALL PROJECTS PROGRESS / COMPLETION.

NOTE:
CONTRACTOR SHALL EXCAVATE AROUND EXISTING BUILDING IN SECTIONS TO MINIMIZE POTENTIAL ISSUES WITH BUILDING FOUNDATION SYSTEM.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY REMOVALS WITH THE COR.

NOTE:
CONTRACTOR TO NOTIFY VA OF AREAS OF WORK WHERE BUILDING ACCESS WILL BE AFFECTED. ONLY ONE ENTRANCE INTO EACH BUILDING WILL BE CLOSED AT ANY GIVEN TIME.

NOTE:
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LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

Revisions:	Date:

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MARK D. REINHARD
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No. 6201313525
LICENSED PROFESSIONAL ENGINEER
09-27-2024

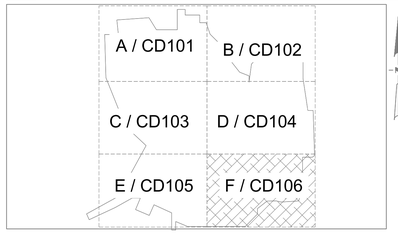
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL DEMOLITION PLAN - AREA E	Phase: FINAL BID DOCUMENT	Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
			Building Number: CAMPUS
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number: CD105 23 OF 45
		Issue Date: 01/19/2026 / Checked: MDR, DLR / Drawn: KRK	

VA FORM 08-6231

SHEET KEY



GENERAL DEMOLITION NOTES

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2. ALL CONTRACTORS TO STAGE OPERATIONS AND STORE MATERIALS IN THE LOCATION SHOWN ON THE PLAN. SEE AREA B ON SHEET CD102 FOR LOCATION.
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10. ALL FILL FOR ABANDONED AND REMOVED STRUCTURES SHALL BE TRENCH BACKFILL, PER EARTHWORK SPECIFICATION, #31 20 11.

DEMO CONSTRUCTION NOTES

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NOTE:
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LEGEND

- EXISTING MANHOLE - ELECTRICAL
- XT XS XTR — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- ELEC-E — EXISTING DISTRIBUTION LOOP - ABANDON IN PLACE

CIVIL DEMOLITION PLAN - AREA F
SCALE: 1" = 40'-0"
1 / CD106

N

Revisions:	Date:

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09-27-2024
STATE OF MICHIGAN
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No. 6201313520
LICENSED PROFESSIONAL ENGINEER

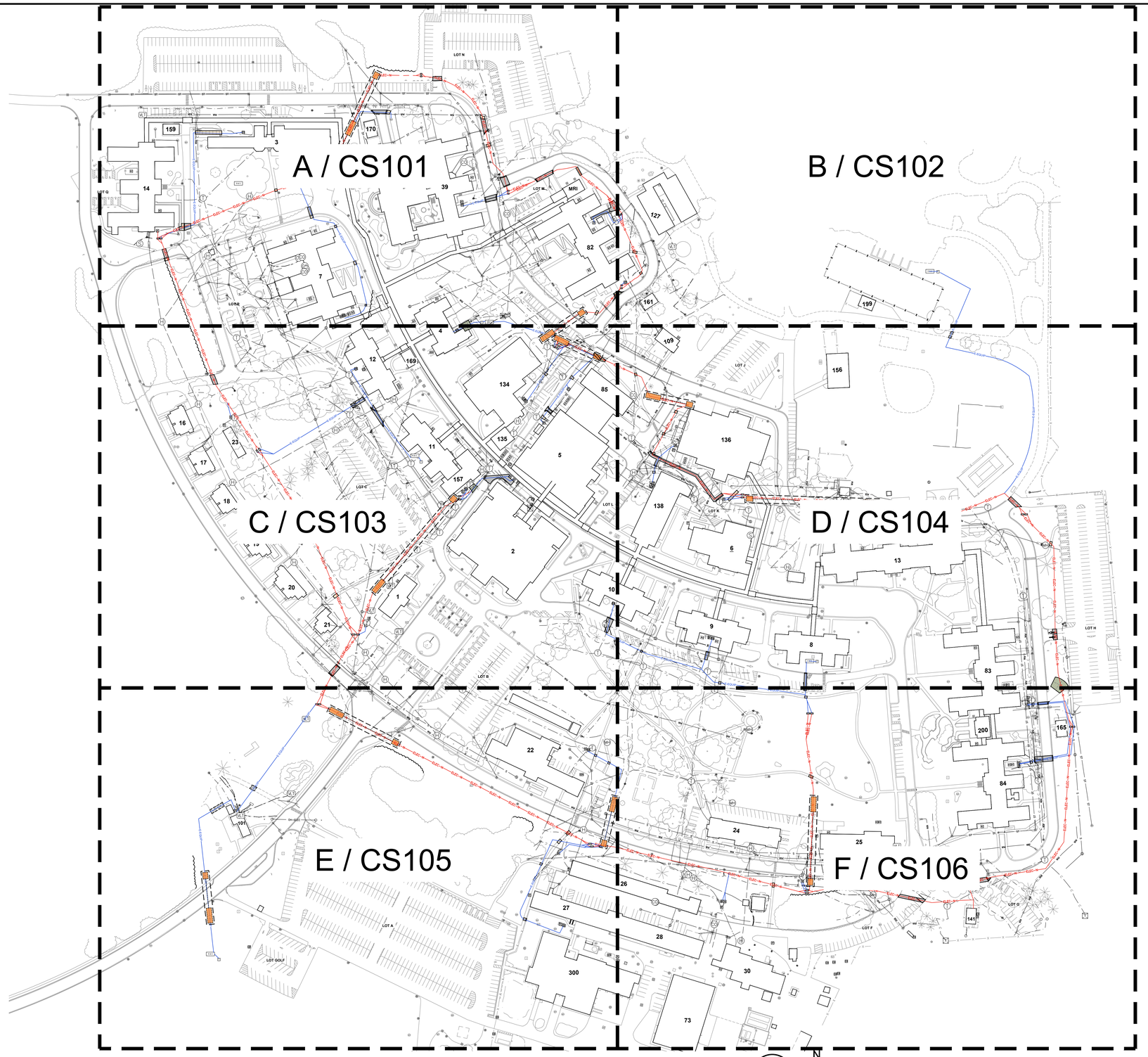
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL DEMOLITION PLAN - AREA F	Phase: FINAL BID DOCUMENT	Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
			Building Number: CAMPUS
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number: CD106
		Issue Date: 01/19/2026 / Checked: MDR, DLR / Drawn: KRK	24 OF 45

VA FORM 08-6231

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

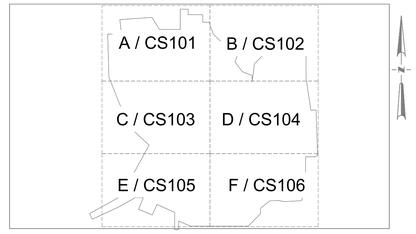


CIVIL SITE PLAN - OVERALL
SCALE: 1" = 40'-0"

CS100

N

SHEET KEY



LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S & C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP

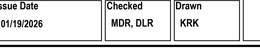
JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL # I &/C5501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL # I &/C5501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL # I &/C5501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL # I &/C5501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:



SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

EROSION CONTROL SEQUENCING:

NOTE:
THE FOLLOWING SEQUENCING IS SCHEMATIC IN NATURE. CONTRACTOR SHALL DETERMINE INSTALLATION SCHEDULE TO MINIMIZE EROSION.

PRE-CONSTRUCTION ACTIVITY

1. PRESERVE AND PROTECT TREES, SHRUBS, EXISTING VEGETATION, UNIQUE SITE FEATURES AND EXISTING ITEMS TO REMAIN ON THE SITE.
2. ESTABLISH STABLE CONSTRUCTION ENTRANCE(S), EQUIPMENT AND EMPLOYEE PARKING AND STAGING AREAS.
3. PROTECT EXISTING STORM WATER SEWER SYSTEM INLETS WITH INLET PROTECTION DEVICES.

CONSTRUCTION ACTIVITY

1. BEGIN DEMOLITION OF ITEMS TO BE REMOVED FOR THE PROPOSED CONSTRUCTION.
2. PREPARE SOIL STOCKPILE AREA WITH EROSION CONTROL DEVICES AND MEASURES IF ONE IS NEEDED.
3. ANY DISTURBED AREAS LEFT INACTIVE FOR FIFTEEN (15) DAYS OR MORE MUST BE STABILIZED BY PERMANENT OR TEMPORARY SEEDING, MULCHED AND MECHANICALLY CRIMPED INTO THE SOIL, OR BY OTHER SURFACE STABILIZING METHODS.
4. STABILIZE SOIL STOCKPILE IF ONE WAS NEEDED.
5. PERMANENTLY SEED, OR MULCH, DISTURBED AREAS AS SOON AS POSSIBLE TO PREVENT SEDIMENT LOSS.
6. THE CONTRACTOR MAY INSTALL EROSION CONTROL BLANKET IF THERE IS ANY EROSION OR SCOURING ON THE PROJECT SITE.
7. INSTALL CONCRETE WASHOUT AREAS TO BE USED DURING CONSTRUCTION OF UTILITIES, CURB RENOVATIONS, AND SIDEWALKS.
8. CONSTRUCT REMAINING PAVEMENT PATCHING AND CONCRETE SIDEWALKS AND CURBS.
9. FINE GRADE SITE, AND PERMANENTLY SEED DISTURBED AREAS.
10. REMOVE TEMPORARY EROSION CONTROL DEVICES AND MEASURES, ONCE THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. DISTURBED SOIL TO BE ESTABLISHED WITH PERMANENT SEEDING.

POST CONSTRUCTION ACTIVITY

1. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL SEEDED AREAS. IRRIGATE ALL NEWLY SEEDED AREAS IN A MANNER THAT HELPS TO ESTABLISH A FULL AND HEALTHY LAWN. REFER TO THE PLANTING SPECIFICATION #329000 FOR ADDITIONAL INFORMATION.

CONCRETE WASHOUT NOTE:

THE CONTRACTOR SHALL SUPPLY AND USE A MANUFACTURED CONCRETE WASHOUT DEVICE. THE CONCRETE WASHOUT SHALL NOT BE PLACED 50 FEET OR CLOSER TO ANY STORMWATER INLET OR CATCH BASIN AND SHOULD BE NEAR THE AREA BEING CONSTRUCTED. THE CONCRETE WASHOUT DEVICE SHALL HAVE EROSION CONTROL MEASURES AND SIGNAGE IN PLACE IN ACCORDANCE WITH THE LATEST MICHIGAN STORM WATER QUALITY MANUAL AND ANY LOCAL ORDINANCE. CONTRACTOR SHALL MAINTAIN THE CONCRETE WASHOUT DEVICE AND EROSION CONTROL MEASURES IN COORDINATION WITH THE CONCRETE WASHOUT DEVICE, IN ACCORDANCE WITH THE LATEST MICHIGAN STORM WATER QUALITY MANUAL AND LOCAL ORDINANCES. THE CONCRETE WASHOUT DEVICE, AND TEMPORARY EROSION CONTROL DEVICES AND MEASURES SHALL BE REMOVED AT THE COMPLETION OF CONCRETE PLACEMENT.

Revisions:	Date:

CONSULTANT

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STATE OF MICHIGAN — REGISTERED PROFESSIONAL ENGINEER
MARK D. REINHARD ENGINEER No. 6201313525
09-27-2024

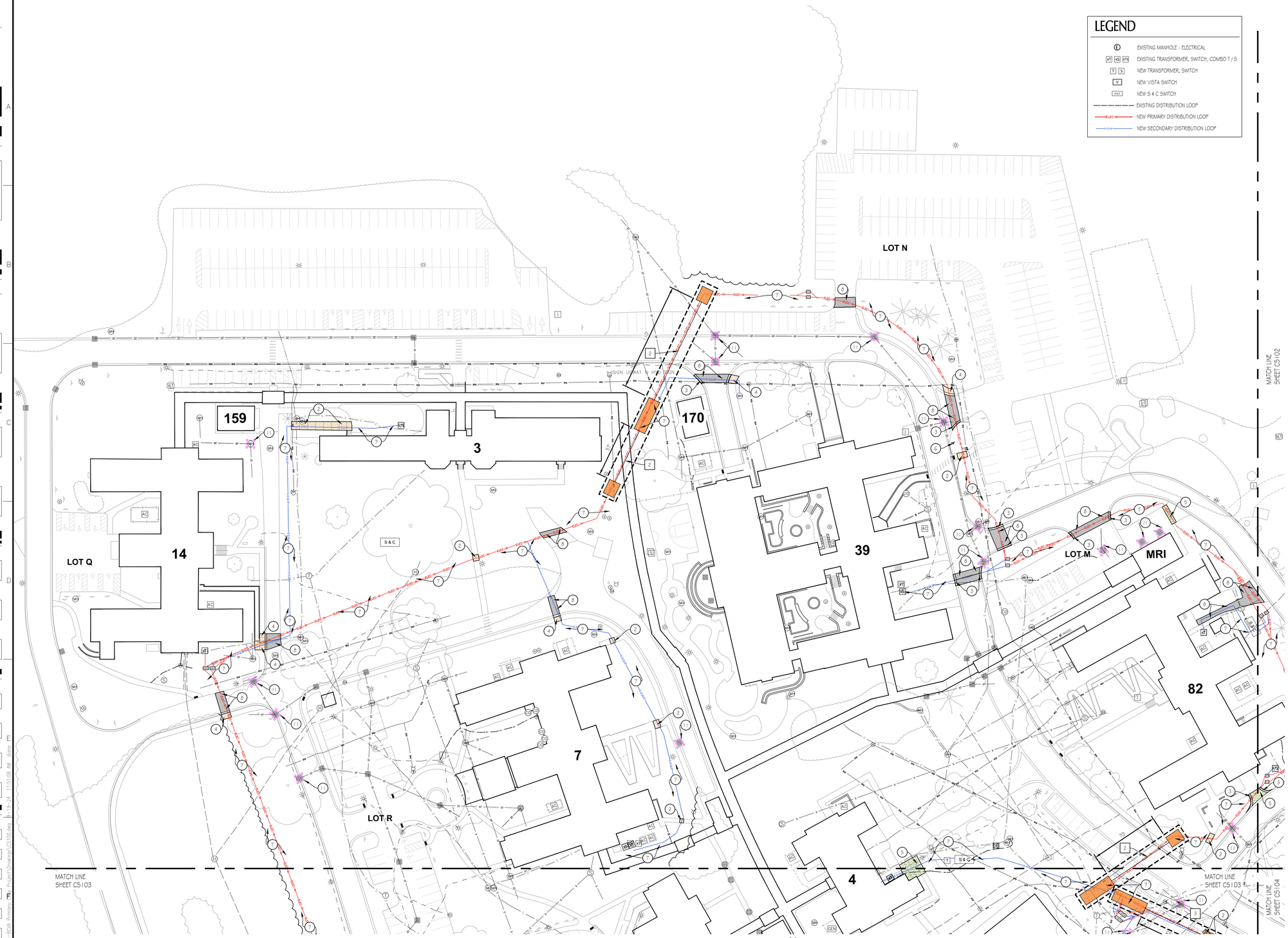
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL SITE PLAN - OVERALL	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
	Building Number: CAMPUS
Location: Battle Creek, Michigan	Drawing Number: CS100 25 OF 45
Issue Date: 01/19/2026	Checked: MDR, DLR
	Drawn: KRK

VA FORM 08-6231



CIVIL SITE PLAN - AREA A
SCALE: 1" = 40'-0"

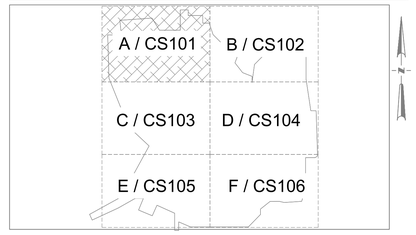
1 / CS101

N

LEGEND

- EXISTING MANHOLE - ELECTRICAL
- XT XS XTR — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- V — NEW VISTA SWITCH
- 5 4 C — NEW 5 4 C SWITCH
- EXISTING DISTRIBUTION LOOP
- ELEC-N — NEW PRIMARY DISTRIBUTION LOOP
- ELEC-S — NEW SECONDARY DISTRIBUTION LOOP

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

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JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL #1&C5501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL #1&C5501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL #1&C5501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL #1&C5501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "I" PER DETAIL #13C5501.
2. CONCRETE SIDEWALK PER DETAILS #1 AND #2C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6C5501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3C5501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7C5501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL #1 AND #6C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6C5501.
5. 8" CONCRETE PAVEMENT PER DETAILS #1 AND #4C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6C5501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5C5501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT.
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL # 10C5501.
12. STONE PATH / DRIVE PER DETAIL #11/C5501.
13. VERTICAL CURB PER DETAIL #12C5501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7C5501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL #14C5501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "II" PER DETAIL #15C5501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9C5501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5C5501.
- STONE PATH / DRIVE PER DETAIL #11/C5501.
- CONCRETE SIDEWALK
- 8" CONCRETE PER DETAILS #1 AND #4C5501.

GRADING NOTE:

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

EROSION CONTROL LEGEND:

- INLET PROTECTION

NOTE: ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE: ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE: POTHOLE ALL UTILITIES TO ENSURE THEY DONT CONFLICT WITH CASING PIPE.

Revisions:	Date:

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STATE OF MICHIGAN — MARK D. REINHARD — ENGINEER — No. 6201315525 — LICENSED PROFESSIONAL ENGINEER — 09-27-2024

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

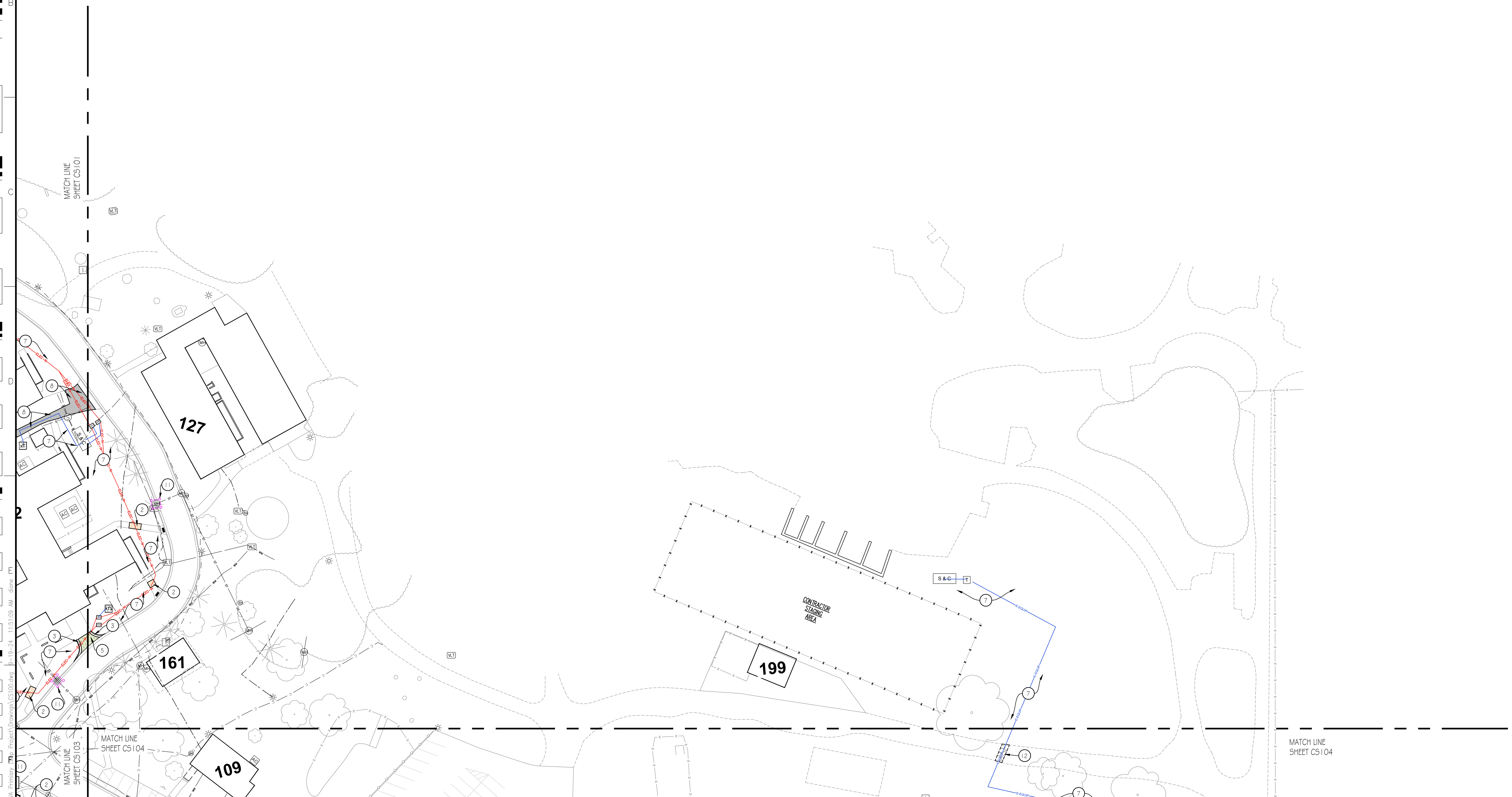
Drawing Title: CIVIL SITE PLAN - AREA A	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION		Project Number: 515-15-117
		Building Number: CAMPUS
Location: Battle Creek, Michigan		Drawing Number: CS101 26 OF 45
Issue Date: 01/19/2026	Checked: MDR, DLR	Drawn: KRK

VA FORM 08-6231

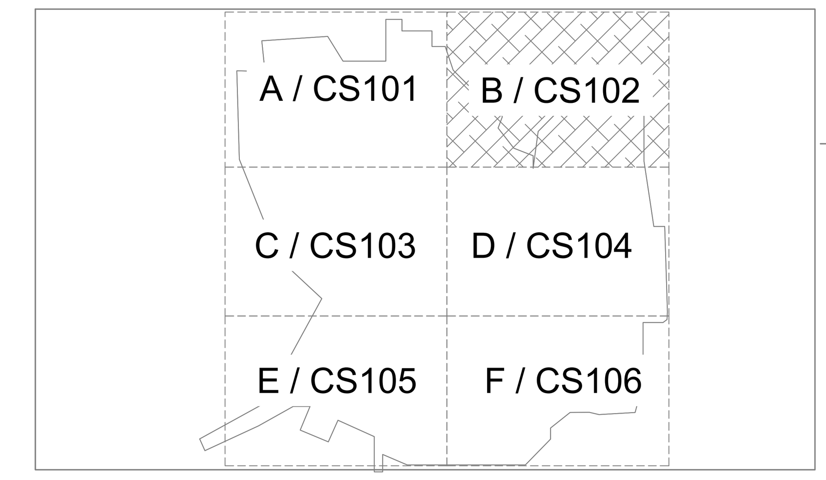
LEGEND

Ⓔ	EXISTING MANHOLE - ELECTRICAL
xT xS xTS	EXISTING TRANSFORMER, SWITCH, COMBO T / S
T S	NEW TRANSFORMER, SWITCH
V	NEW VISTA SWITCH
S & C	NEW S & C SWITCH
— - — - —	EXISTING DISTRIBUTION LOOP
—ELEC-N—	NEW PRIMARY DISTRIBUTION LOOP
—E-EQUIP—	NEW SECONDARY DISTRIBUTION LOOP



CIVIL SITE PLAN - AREA B
SCALE: 1" = 40'-0"
1
CS102

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL #16/CS501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL #16/CS501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL #16/CS501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL #16/CS501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

BORE PIT
RECEIVING PIT

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "1" PER DETAIL #13/CS501.
2. CONCRETE SIDEWALK PER DETAILS #1AND #2/CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/CS501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3/CS501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7/CS501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL #1 AND #8CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/CS501.
5. 8" CONCRETE PAVEMENT PER DETAILS #1AND #4/CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/CS501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5/CS501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT.
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL #10/CS501.
12. STONE PATH / DRIVE PER DETAIL #11/CS501.
13. VERTICAL CURB PER DETAIL #12/CS501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7/CS501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL #14/CS501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "11" PER DETAIL #15/CS501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9/CS501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5/CS501.
- STONE PATH / DRIVE PER DETAIL #11/CS501.
- CONCRETE SIDEWALK
- 8" CONCRETE PER DETAILS #1 AND #4/CS501.

GRADING NOTE:

THE CONTRACTOR' SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

EROSION CONTROL LEGEND:

INLET PROTECTION

NOTE:
ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE:
ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE:
POTHOLE ALL UTILITIES TO ENSURE THEY DON'T CONFLICT WITH CASING PIPE.

Revisions:	Date:

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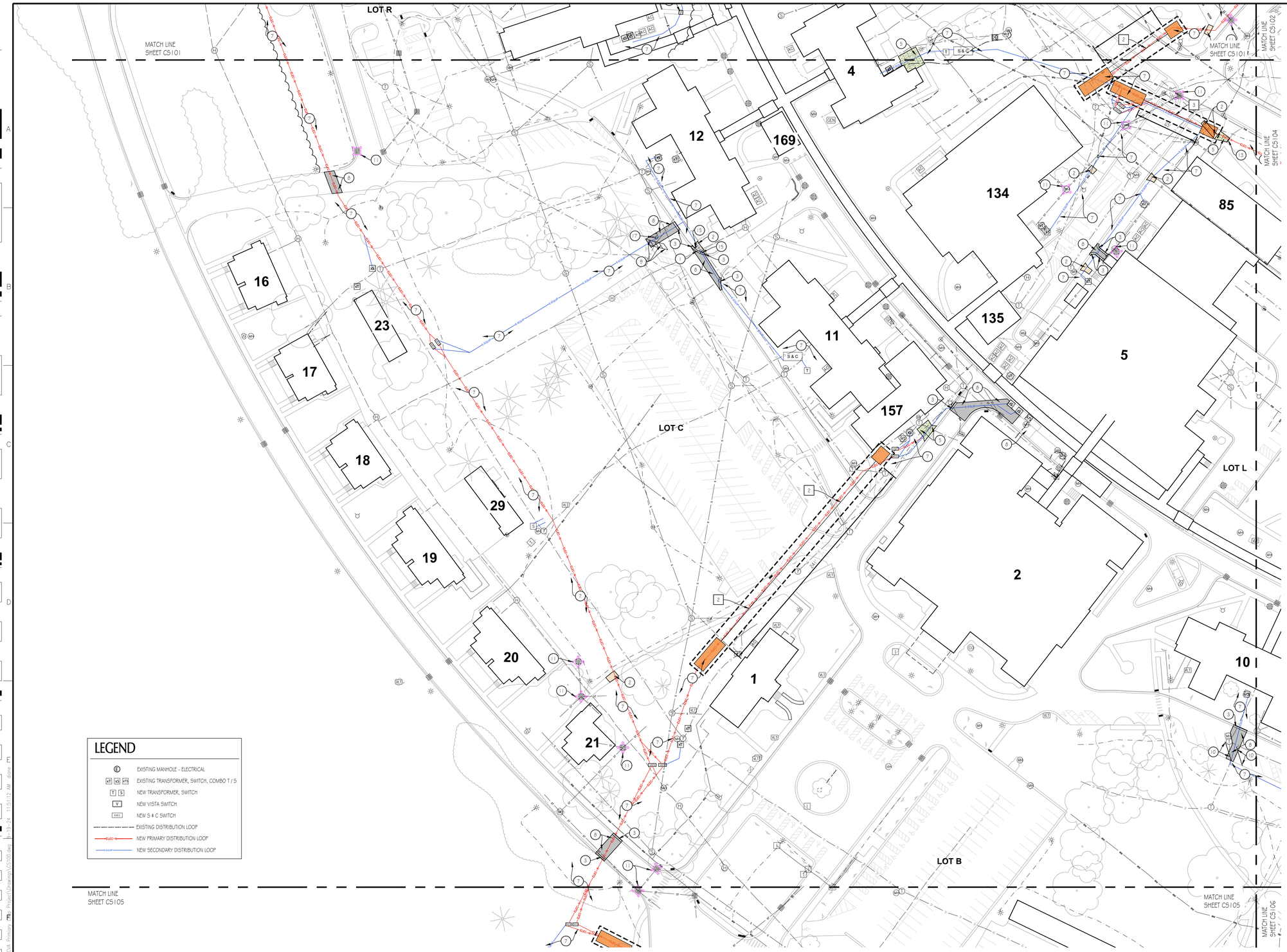
STATE OF MICHIGAN ★ MARK D. REINHARD ENGINEER No. 6201313525 LICENSED PROFESSIONAL ENGINEER ★
09-27-2024

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
CIVIL SITE PLAN - AREA B	FINAL BID DOCUMENT	REPLACE ELECTRICAL PRIMARY DISTRIBUTION	515-15-117
			Building Number: CAMPUS
Approved: Project Director		Location: Battle Creek, Michigan	Drawing Number
		Issue Date: 01/19/2026; Checked: MDR, DLR; Drawn: KRK	CS102

VA FORM 08-6231

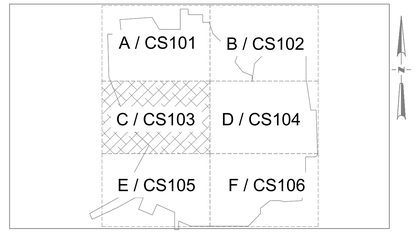
S:\Projects\Projects (5000-5999)\Projects (5950-5999)\5975-BCVA Primiary Loop Project\Drawings\CS100.dwg 9-19-24 11:51:09 AM diane



CIVIL SITE PLAN - AREA C
SCALE: 1" = 40'-0"
1 / CS103

N

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL #1 & / C5501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL #1 & / C5501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL #1 & / C5501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL #1 & / C5501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "I" PER DETAIL #1 3/C5501.
2. CONCRETE SIDEWALK PER DETAILS #1 AND #2/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3/C5501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7/C5501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL #1 AND #8/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
5. 8" CONCRETE PAVEMENT PER DETAILS #1 AND #4/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5/C5501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT .
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL # 1 0/C5501.
12. STONE PATH / DRIVE PER DETAIL # 1 1/C5501.
13. VERTICAL CURB PER DETAIL # 1 2/C5501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7/C5501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL # 1 4/C5501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "1" PER DETAIL # 1 5/C5501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9/C5501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5/C5501.
- STONE PATH / DRIVE PER DETAIL # 1 1/C5501.
- CONCRETE SIDEWALK
- 8" CONCRETE PER DETAILS #1 AND #4/C5501.

GRADING NOTE:

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

EROSION CONTROL LEGEND:

INLET PROTECTION

NOTE: ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE: ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE: POTHOLE ALL UTILITIES TO ENSURE THEY DONT CONFLICT WITH CASING PIPE.

Revisions:	Date:

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09-27-2024
REGISTERED PROFESSIONAL ENGINEER
STATE OF MICHIGAN
MARK D. REINHARD
ENGINEER
No. 6201313525

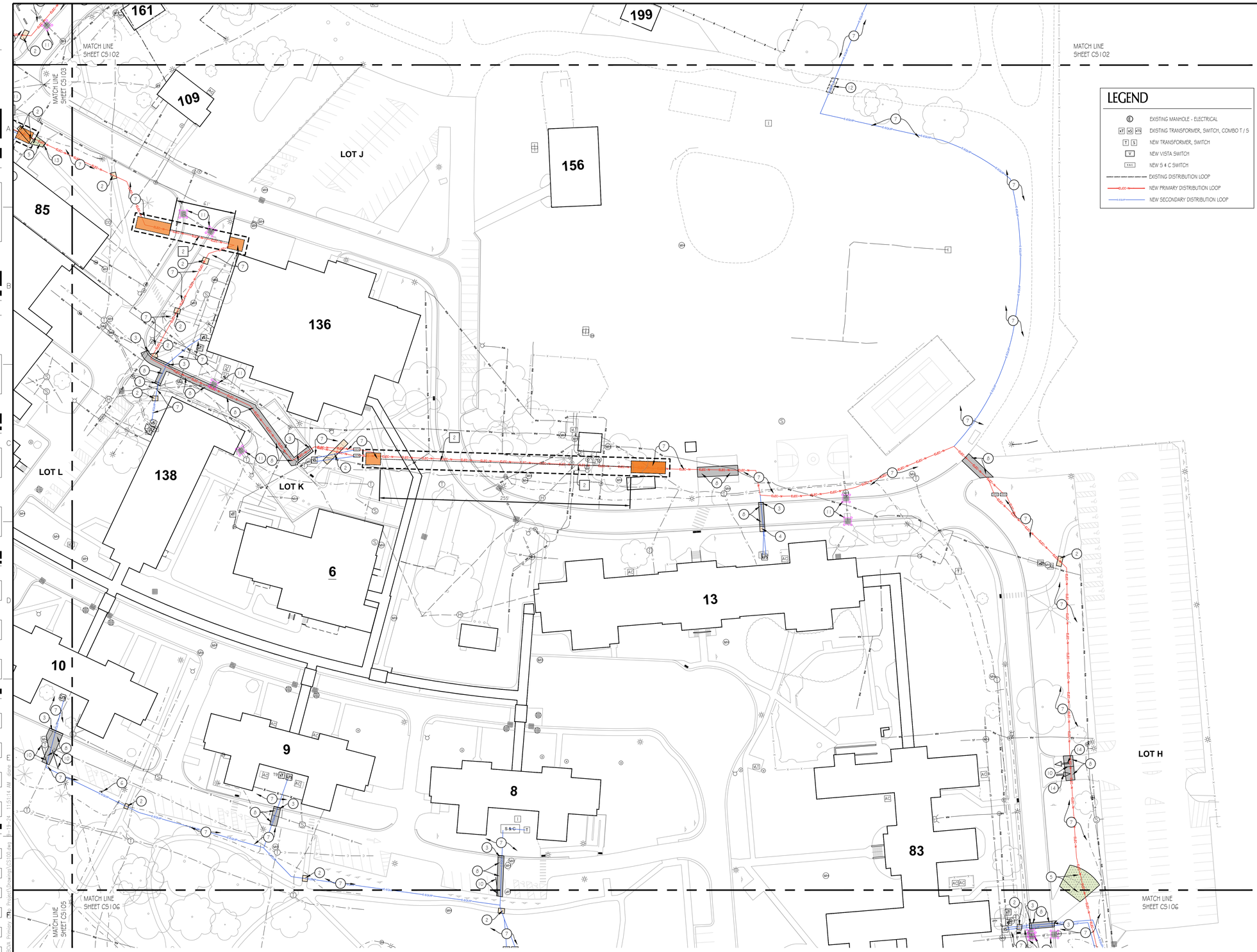
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL SITE PLAN - AREA C	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
	Building Number: CAMPUS
Location: Battle Creek, Michigan	Drawing Number: CS103
Issue Date: 01/19/2026	Checked: MDR, DLR
	Drawn: KRK
	28 OF 45

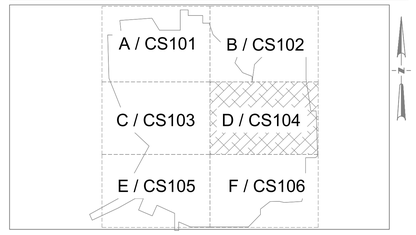
VA FORM 08-6231



LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW 5 # C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL # 1@CS501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL # 1 @CS501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL # 1 @CS501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL # 1 @CS501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "I" PER DETAIL # 1 @CS501.
2. CONCRETE SIDEWALK PER DETAILS # 1 AND #2@CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6@CS501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3@CS501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7@CS501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL # 1 AND #6@CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6@CS501.
5. 8" CONCRETE PAVEMENT PER DETAILS # 1 AND #4@CS501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6@CS501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5@CS501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT .
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL # 1@CS501.
12. STONE PATH / DRIVE PER DETAIL # 1 1@CS501.
13. VERTICAL CURB PER DETAIL # 2@CS501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7@CS501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL # 1 4@CS501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "I I" PER DETAIL # 1 5@CS501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9@CS501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5@CS501.
- STONE PATH / DRIVE PER DETAIL # 1 1@CS501.
- CONCRETE SIDEWALK
- 8" CONCRETE PER DETAILS # 1 AND #4@CS501.

GRADING NOTE:

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

EROSION CONTROL LEGEND:

- INLET PROTECTION

NOTE: ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE: ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE: POTHOLE ALL UTILITIES TO ENSURE THEY DONT CONFLICT WITH CASING PIPE.

CIVIL SITE PLAN - AREA D
SCALE: 1" = 40'-0"
1 / CS104

N

Revisions:	Date:

CONSULTANT

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09-27-2024
STATE OF MICHIGAN
MARK D. REINHARD
ENGINEER
No. 6201313525
LICENSED PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL SITE PLAN - AREA D	Phase: FINAL BID DOCUMENT	Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION	Project Number: 515-15-117
Approved: Project Director		Building Number: CAMPUS	
		Location: Battle Creek, Michigan	Drawing Number: CS104 29 OF 45
		Issue Date: 01/19/2026 / Checked: MDR, DLR / Drawn: KRK	

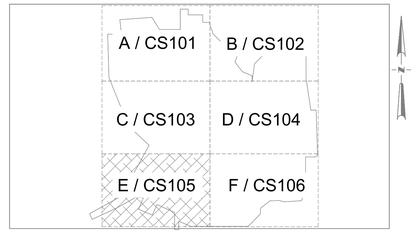
VA FORM 08-6231

CIVIL PLAN - AREA E
SCALE: 1" = 40'-0"

CS105

N

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK, PER DETAIL # 1 @ C5501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK, JACK PER DETAIL # 1 @ C5501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK, PER DETAIL # 1 @ C5501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL # 1 @ C5501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "1" PER DETAIL # 1 3/C5501.
2. CONCRETE SIDEWALK PER DETAILS # 1 AND #2/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3/C5501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7/C5501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL # 1 AND #8/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
5. 8" CONCRETE PAVEMENT PER DETAILS # 1 AND #4/C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6/C5501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5/C5501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT.
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL #10/C5501.
12. STONE PATH / DRIVE PER DETAIL # 11/C5501.
13. VERTICAL CURB PER DETAIL # 12/C5501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7/C5501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL # 14/C5501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "1" PER DETAIL # 15/C5501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9/C5501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5/C5501.
- STONE PATH / DRIVE PER DETAIL # 11/C5501.
- CONCRETE SIDEWALK
- 8" CONCRETE PER DETAILS # 1 AND #4/C5501.

GRADING NOTE:

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

EROSION CONTROL LEGEND:

INLET PROTECTION

NOTE:
ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE:
ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE:
POTHOLE ALL UTILITIES TO ENSURE THEY DONT CONFLICT WITH CASING PIPE.

LEGEND

- EXISTING MANHOLE - ELECTRICAL
- EXISTING TRANSFORMER, SWITCH, COMBO T / S
- NEW TRANSFORMER, SWITCH
- NEW VISTA SWITCH
- NEW S # C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP

Revisions:	Date:

CONSULTANT

ENGINEERING RESOURCES, INC.
4175 New Vision Drive, Fort Wayne, IN 46845
Ph: (260) 490-1025 Fax: (260) 490-1026
www.eri.consulting

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
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PH: 260.424.4830
www.viridian-design.net

VIRIDIAN ARCHITECTURAL DESIGN INC.

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09-27-2024
STATE OF MICHIGAN REGISTERED PROFESSIONAL ENGINEER
MARK D. REINHARD
ENGINEER
No. 6201313525

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL SITE PLAN - AREA E	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION		Project Number: 515-15-117
		Building Number: CAMPUS
Location: Battle Creek, Michigan		Drawing Number: CS105 30 OF 45
Issue Date: 01/19/2026	Checked: MDR, DLR	Drawn: KRK

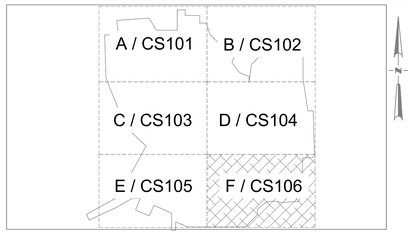
VA FORM 08-6231

CIVIL SITE PLAN - AREA F
SCALE: 1" = 40'-0"

1 / CS106

N

SHEET KEY



JACK AND BORE PIT GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE THE JACK AND BORE PIT LOCATIONS WITH THE OWNER AND PROPOSED PRIMARY ELECTRICAL DISTRIBUTION DRAWINGS. CONTRACTOR SHALL INVESTIGATE THE LOCATION OF EXISTING UTILITIES AND STRUCTURES IN AND AROUND THE BORE PIT LOCATION AND BORE PATH FOR UTILITY AND BUILDING CONFLICTS.
2. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AFTER EACH BORE PIT HAS BEEN REMOVED. PROVIDE PERMANENT SEEDING WHEN EACH PHASE IS COMPLETE. SEE SEEDING SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND PHASING PLAN.

JACK AND BORE PIT CONSTRUCTION NOTES:

1. JACK AND BORE CROSSING FOR A 2 WAY DUCT BANK PER DETAIL #1 @ C5501.
2. JACK AND BORE CROSSING FOR A 4 WAY DUCT BANK JACK PER DETAIL #1 @ C5501.
3. JACK AND BORE CROSSING FOR A 6 WAY DUCT BANK PER DETAIL #1 @ C5501.
4. JACK AND BORE CROSSING FOR A 2 WAY AND 4 WAY DUCT BANK PER DETAIL #1 @ C5501. CONTRACTOR SHALL USE THE 6 WAY DUCT BANK CASING PIPE SIZE AND CONDUIT SPACER FOR THIS CROSSING.

JACK AND BORE PIT LEGEND:

SIZE OF BORE PIT AND RECEIVING PIT SHOWN GRAPHICALLY ON PLANS. THE CONTRACTOR SHALL DETERMINE FINAL SIZE OF PITS AS REQUIRED FOR THEIR OPERATIONS.

PLAN CONSTRUCTION NOTES

1. CONCRETE GUTTER TYPE "I" PER DETAIL #13 C5501.
2. CONCRETE SIDEWALK PER DETAILS #1 AND #2 C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6 C5501.
3. CONCRETE CURB AND GUTTER PER DETAIL #3 C5501. NEW CURB AND GUTTER SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT GUTTER. MATCH PROFILE OF EXISTING CURB AND GUTTER AND DOWEL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER PER DETAIL #7 C5501.
4. SIDEWALK WITH CURB AND GUTTER PER DETAIL #1 AND #8 C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6 C5501.
5. 8" CONCRETE PAVEMENT PER DETAILS #1 AND #4 C5501. PROVIDE A DOWELED BUTT JOINT AT ALL INTERSECTIONS OF NEW CONCRETE TO EXISTING CONCRETE PER DETAIL #6 C5501.
6. RELOCATED SIGN. ENSURE SIGN POST IS EMBEDDED INTO THE GROUND A MINIMUM OF 3 FEET.
7. GRASS AREA. ALL DISTURBED AREAS TO RECEIVE 6" MINIMUM OF TOPSOIL AND PERMANENT SEEDING AFTER EACH PHASE IS COMPLETE. SEE #329000 PLANTING SPECIFICATION AND PHASING PLAN FOR ADDITIONAL INFORMATION.
8. ASPHALT PAVEMENT PER DETAIL #5 C5501.
9. HANDICAP PAVEMENT MARKING SHALL BE 4" BLUE WATERBORNE PAINT .
10. PAVEMENT MARKING SHALL BE 4" YELLOW WATERBORNE PAINT.
11. INSTALL INLET PROTECTION DEVICE PER DETAIL #10 C5501.
12. STONE PATH / DRIVE PER DETAIL #11 C5501.
13. VERTICAL CURB PER DETAIL #12 C5501. NEW CURB SHALL MATCH THE WIDTH OF THE EXISTING ADJACENT CURB. MATCH PROFILE OF EXISTING CURB AND DOWEL PROPOSED CURB TO EXISTING CURB PER DETAIL #7 C5501.
14. CONTRACTOR TO RESTRIPE PAVEMENT MARKING ARROW PER DETAIL #14 C5501.
15. TRANSITION VERTICAL CURB FROM 6" HEIGHT TO MATCH PAVING OVER 2'-0".
16. CONCRETE GUTTER TYPE "II" PER DETAIL #15 C5501.
17. HANDICAP PAVEMENT MARKING SYMBOL PER DETAIL #9 C5501.

SITE LEGEND

- ASPHALT PAVEMENT PER DETAIL #5 C5501.
- STONE PATH / DRIVE PER DETAIL #11 C5501.
- CONCRETE SIDEWALK.
- 8" CONCRETE PER DETAILS #1 AND #4 C5501.

GRADING NOTE:

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL CONCRETE, ASPHALT, CURBING, AND YARD AREAS, IN KIND. CONTRACTOR IS RESPONSIBLE TO SURVEY AREAS TO BE REMOVED AND CONFIRM EXISTING GRADES/ELEVATIONS FOR REPLACEMENT. MATCH ALL EXISTING ELEVATIONS WHEN REPLACING AND ASSURE POSITIVE DRAINAGE.

LEGEND

- E — EXISTING MANHOLE - ELECTRICAL
- XT X5 XTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- V — NEW VISTA SWITCH
- 5 — NEW 5 # C SWITCH
- EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP

EROSION CONTROL LEGEND:

- INLET PROTECTION

NOTE: ALL DISTURBED AREAS TO RECEIVE PERMANENT SEEDING.

NOTE: ALL KEYNOTES DO NOT APPEAR ON THIS SHEET.

NOTE: POTHOLE ALL UTILITIES TO ENSURE THEY DONT CONFLICT WITH CASING PIPE.

Revisions:	Date:

CONSULTANT

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09-27-2024
STATE OF MICHIGAN — REGISTERED PROFESSIONAL ENGINEER
MARK D. REINHARD ENGINEER No. 6201313520

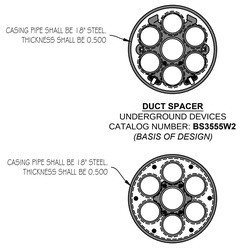
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CIVIL SITE PLAN - AREA F	Phase: FINAL BID DOCUMENT
Approved: Project Director	

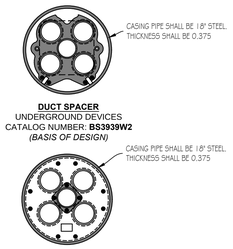
Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION		Project Number: 515-15-117
		Building Number: CAMPUS
Location: Battle Creek, Michigan		Drawing Number: CS106 31 OF 45
Issue Date: 01/19/2026	Checked: MDR, DLR	Drawn: KRK

VA FORM 08-6231



DUCT SPACER
UNDERGROUND DEVICES
CATALOG NUMBER: **BS3555W2**
(BASIS OF DESIGN)

END SEAL
UNDERGROUND DEVICES
CATALOG NUMBER: **BS9266**
(BASIS OF DESIGN)

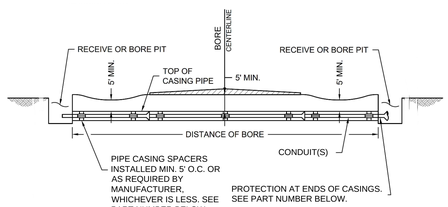


DUCT SPACER
UNDERGROUND DEVICES
CATALOG NUMBER: **BS3939W2**
(BASIS OF DESIGN)

END SEAL
UNDERGROUND DEVICES
CATALOG NUMBER: **BS13061**
(BASIS OF DESIGN)

DUCT SPACERS AND CASING END SEALS SHALL BE MANUFACTURED BY UNDERGROUND DEVICES, INC. NORTHBROOK ILLINOIS (847-205-9000), (BASIS OF DESIGN).
INSTALL DUCT SPACERS AND CASING SEALS PER MANUFACTURER'S RECOMMENDATIONS.

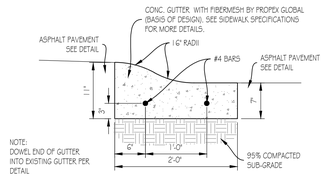
- ALL CASING PIPE SHALL BE 18" STEEL. THE WALL THICKNESS SHALL BE 0.375 FOR THE (4) DUCT LINES AND SHALL BE 0.500 FOR THE (6) DUCT LINES.
- DUCT SPACERS AND CASING END SEALS SHALL BE MANUFACTURED BY UNDERGROUND DEVICES, INC. NORTHBROOK ILLINOIS (847-205-9000), (BASIS OF DESIGN).



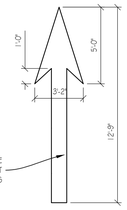
NOTES:
1. JOINTS MAY REQUIRE RESTRAINT WITHIN CASING IF SPECIFIED.
2. TRACING WIRE TO BE INSTALLED THROUGH ALL CASED BORINGS
3. STEEL PIPE CASING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A283, GRADE B, C, OR D. ALL JOINTS SHALL BE WELDED INTERIOR JOINTS SHALL BE GROUND TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C206, "AWWA STANDARD FOR FIELD WELDING OF STEEL WATER PIPE." COATING FOR STEEL CASING NOT REQUIRED.
4. STEEL PIPE CASING SHALL BE INSTALLED SYMMETRICAL ABOUT PIPE CENTERLINE (TYP). PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
5. CASING SHALL BE FILLED WITH GROUT.

THE DETAIL ABOVE REPRESENTS THE BASIS OF DESIGN AND APPROVED EQUAL MUST BE SUBMITTED FOR REVIEW DURING THE BIDDING PROCESS.

TYPICAL JACKED AND BORED CASING PIPE — 16 / C5501
SCALE: NONE



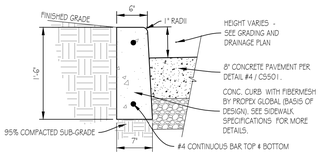
CONCRETE GUTTER TYPE "II" — 15 / C5501
SCALE: NONE



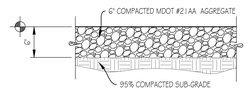
PAVEMENT MARKING - ARROW — 14 / C5501
SCALE: 1/4" = 1'-0"

CONCRETE GUTTER TYPE "I" — 13 / C5501
SCALE: NONE

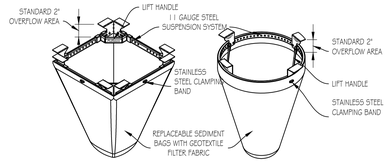
JOINTS:
PROVIDE WEAKNESS JOINTS EVERY 10 LF. PROVIDE CONTROL JOINTS AT THE END OF EVERY POUR AND EVERY 50 LF OF CURB.

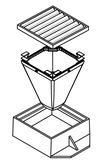


VERTICAL CURB — 12 / C5501
SCALE: NONE



STONE PATH / DRIVE DETAIL — 11 / C5501
SCALE: NONE





FLEXSTORM (BASIS OF DESIGN)
DISTRIBUTED BY: ADS
AND MANUFACTURED BY:

INLET & PIPE PROTECTION, INC.
24137 W. 111TH ST., UNIT A
NAPERVILLE, IL 60564
PH: (866) 267-8455
FAX: (630) 355-3477
WWW.INLETFILTERS.COM
INFO@INLETFILTERS.COM

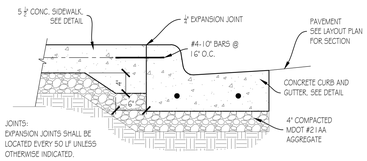
INSTALLATION:
- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER INTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE

PAVEMENT INLET PROTECTION — 10 / C5501
SCALE: 1/2" = 1'-0"

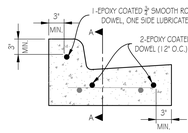
NOTE:
HANDICAP SYMBOL SHALL COMPLY WITH ALL APPLICABLE SECTIONS OF THE AMERICANS WITH DISABILITIES ACT. COORDINATE SIZE WITH EXISTING HANDICAP MARKINGS ON SITE.

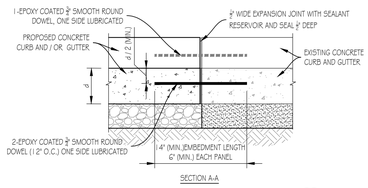
BLUE HANDICAP SYMBOL - WATERBORNE PAINT WITH REFLECTIVE GLASS BEADS

PAVEMENT MARKING-HANDICAP — 9 / C5501
SCALE: 1/2" = 1'-0"

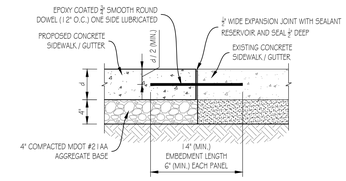


SIDEWALK WITH CURB AND GUTTER — 8 / C5501
SCALE: NONE

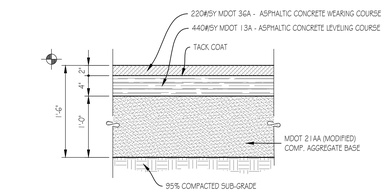




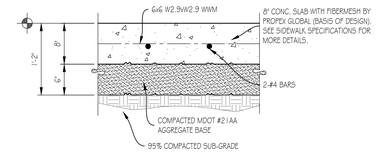
CURB AND GUTTER DOWELED BUTT JOINT — 7 / C5501
SCALE: NOT TO SCALE



DOWELED BUTT JOINT — 6 / C5501
SCALE: NONE

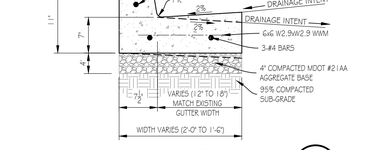


ASPHALT PAVEMENT — 5 / C5501
SCALE: 1" = 1'-0"

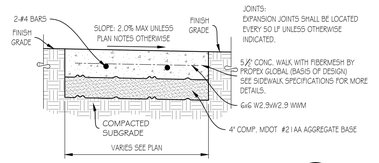


8" CONCRETE PAVEMENT — 4 / C5501
SCALE: 1" = 1'-0"

NOTE: SLOPE GUTTER TO MEET DRAINAGE INTENT OF ADJACENT PAVEMENT.



CONCRETE CURB AND GUTTER — 3 / C5501
SCALE: NONE



CONCRETE SIDEWALK — 2 / C5501
SCALE: 1" = 1'-0"

1. DEPTH OF CONCRETE: 5½" TYPICAL FOR WALKS AND 8" FOR DRIVES.
2. EXPANSION JOINTS: 1/2" THICK PRE-FORMED EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
   A. WHERE NEW SIDEWALK ABUTS AN EXISTING SIDEWALK, DRIVEWAY, OR CURB.
   B. EVERY 50' IN SIDEWALKS THAT ARE 100' OR MORE IN LENGTH.
3. SCORED CONSTRUCTION JOINTS: ½" TO 1 ½" DEEP AT 5' INTERVALS.
4. CROSS SLOPE: NOT TO EXCEED 2.0%, WITH THE LOWEST PART OF THE SIDEWALK ABOVE THE ADJACENT CURB.
5. SURFACE FINISH: MEDIUM BROOM FINISH APPLIED FROM SIDE-TO-SIDE OF THE SIDEWALK.
6. ADA COMPLIANCE: ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT.
7. CONCRETE SIDEWALK SHALL BE FORMED WITH FORMS, FULL DEPTH, AND NOT EARTH FORMED.
8. ALL PROPOSED CONCRETE SHALL BE SECURED TO EXISTING/ADJACENT CONCRETE USING DOWELS PER DETAIL #6/C5501.
9. INCLUDE FIBERMESH IN ALL CONCRETE MIXES BY PROPOX GLOBAL (BASIS OF DESIGN). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SIDEWALK SPECIFICATIONS — 1 / C5501
SCALE: NONE

Revisions:	Date:

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ENGINEERING RESOURCES, INC.
4175 New Vision Drive, Fort Wayne, IN 46845
Ph: (260) 490-1025 Fax: (260) 490-1026
www.eri.consulting

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STATE OF MICHIGAN — MARK D. REINHARD — ENGINEER — No. 6201313525 — LICENSED PROFESSIONAL ENGINEER
09-27-2024

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS SITE DETAILS
Phase: FINAL BID DOCUMENT
Approved: Project Director

Project Title: REPLACE ELECTRICAL PRIMARY DISTRIBUTION
Project Number: 515-15-117
Building Number: CAMPUS
Location: Battle Creek, Michigan
Issue Date: 01/19/2026
Checked: MDR, DLR
Drawn: KRK
Drawing Number: CS501
32 OF 45

VA FORM 08-6231

N

1 / ED100 DEMOLITION - CAMPUS PRIMARY ELECTRICAL DISTRIBUTION PLAN

SCALE: 1" = 100'

GENERAL ELECTRICAL NOTES

1. EXISTING UNDERGROUND DUCT AND ASSOCIATED MANHOLES ARE SHOWN DIAGRAMMATICALLY ONLY. DRAWING DOES NOT SPECIFICALLY INDICATE THE EXACT LOCATION, DEPTH, DIRECTION OF EXISTING UNDERGROUND DUCT OR THE SPECIFIC FEEDER IN CERTAIN DUCT. DEPTH OF EXISTING DUCT AND LOCATION OF EXISTING DUCT IS SHOWN ON SURVEY SHEETS (V SERIES).
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4. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF SERVICES FOR ALL BUILDINGS, UTILITIES, LIFE SAFETY SYSTEMS IN COMPLETE OPERATION AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN ANY SYSTEM FOR ANY BUILDING OR ANY UTILITY, AT ANY TIME, THE CONTRACTOR SHALL CONSULT WITH AND PROVIDE WRITTEN NOTICE TO THE VA COR. PROVIDE PRIOR WRITTEN NOTICE THREE (3) WEEKS IN ADVANCE OF HTE DESIRED SHUTDOWN TIME TO MAKE ARRANGEMENTS TO DO SO ON AN OFF-HOUR PERIOD OR WEEKEND, AT THE CONVENIENCE OF VA AS APPROVED BY THE VA COR. PROVIDE DETAILED SCHEDULES AND DIAGRAMS FOR OUTAGES AND METHODS FOR MAINTAINING CONTINUITY OF SERVICE. CONTRACTOR MAY UTILIZE EXISTING STATION BUILDING GENERATORS (CONTRACTOR SHALL PROVIDE FUEL) PENDING APPROVAL BY THE VA COR. CONTRACTOR SHALL PROVIDE GENERATORS FOR BUILDINGS THAT DO NOT HAVE CONNECTION TO A STATION GENERATOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WIRING, SPLICES AND EQUIPMENT TO MAINTAIN CONTINUITY OF SERVICE AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION.
5. REFER TO ELECTRICAL SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS.
6. CONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES ON SITE.
7. PROTECT ALL EXISTING EQUIPMENT AND FINISHES FROM DUST, DEBRIS, AND DAMAGE THROUGH DURATION OF PROJECT.
8. ALL DEMOLISHED ELECTRICAL ITEMS SHALL BE REMOVED FROM SITE BY CONTRACTOR. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL ITEMS.
9. AFTER ELECTRICAL ITEMS ARE DEMOLISHED AND / OR INSTALLED, ALL ADJACENT FINISHES / MATERIALS SHALL BE MODIFIED TO SHOW NO EVIDENCE OF CONSTRUCTION.
10. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL EQUIPMENT, DEVICES, CABLING, CONDUIT FOR A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM AS SHOWN ON DRAWINGS AND IN SPECIFICATIONS.
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13. CONTRACTOR TO COORDINATE RELOCATION AND STORAGE OF EXISTING EQUIPMENT WHICH IS DESIGNATED AS SALVAGED FOR REINSTALLATION BY THE VA. ALL OTHER DEMOLISHED EQUIPMENT AND MATERIALS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE STATION.

GENERAL ELECTRICAL DEMO NOTES

1. EXISTING CONDUCTOR DUCT BANK SHALL BE ABANDONED IN PLACE.
2. EXISTING ELECTRICAL MANHOLES (VAULTS) SHALL BE ABANDONED IN PLACE.
3. REMOVE FOR REINSTALLATION (SOUTHWEST OF PARKING LOT A) THE TRANSFORMER AT BUILDING 4.
4. EXISTING PAVEMENTS SHALL BE SAW CUT OR REMOVED, EXCAVATED AND REPLACED FOR ROUTING OF NEW UNDERGROUND CONCRETE ENCASED DUCT. WHERE PAVEMENTS ARE EXCAVATED FOR THE INSTALLATION OF NEW UNDERGROUND DUCT AND CONDUITS, PAVEMENTS SHALL BE REPLACED WITH CONCRETE AND BASE GRAVEL OR BASE GRAVEL AND ASPHALT TO MATCH EXISTING CONDITIONS. PROVIDE PAVEMENTS WITH THE SAME PHYSICAL DEPTH, SIZE OF ASPHALT, OR CONCRETE REMOVED. PROVIDE PAINTED MARKINGS TO MATCH EXISTING WHERE MARKINGS HAVE BEEN REMOVED. SEE CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE COMMENCING WORK. CONTRACTOR SHALL PROVIDE ALL REQUIRED UNDERGROUND UTILITY LOCATING EQUIPMENT AND HAND DIGGING TO LOCATE EXISTING UNDERGROUND UTILITIES. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY RESULT BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL EXISTING UNDERGROUND UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE VA COR AT NO EXTRA COST TO THE VA MEDICAL CENTER.
6. PRIOR TO TRENCHING FOR NEW UNDERGROUND DUCT OR BORING FOR NEW CONDUITS, CONTRACTOR SHALL LOCATE AND STAKE OUT ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE ALL REQUIRED UNDERGROUND UTILITY LOCATING EQUIPMENT AND HAND DIGGING TO LOCATE EXISTING UNDERGROUND UTILITIES AS A PART OF THIS CONTRACT. AREAS TO BE TRENCHED OR WHERE CONDUITS ARE SPECIFIED TO PUSHED OR BORED SHALL BE COORDINATED AND SCHEDULED WITH THE VA COR PRIOR TO DOING ANY WORK.
7. CONTRACTOR SHALL EXCAVATE FOR NEW UNDERGROUND DUCT WITH CAUTION. CONTRACTOR SHALL LOCATE AND STAKE THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES LOCATED WITHIN THE PROPOSED ELECTRICAL CONDUIT PATH (PAVED AREAS, LAWN AREAS, AREAS WITH LANDSCAPING AND / OR TREES). CONTRACTOR SHALL PROVIDE ALL REQUIRED UNDERGROUND UTILITY LOCATING EQUIPMENT AND HAND DIGGING TO LOCATE EXISTING UNDERGROUND UTILITIES AS A PART OF THIS CONTRACT. AREAS TO BE TRENCHED OR WHERE CONDUITS ARE SPECIFIED TO BE PUSHED OR BORED SHALL BE COORDINATED AND SCHEDULED WITH THE VA COR PRIOR TO DOING ANY WORK. CONTRACTOR SHALL MARK / STAKE THE ENTIRE ROUTE OF THE PROPOSED ELECTRICAL CONDUIT ROUTE AND WALK THE PATH WITH THE COR PRIOR TO TRENCHING, EXCAVATING, AND / OR BORING WITHOUT EXCEPTIONS.

SHEET KEY

A / ES200	B / ES201
C / ES202	D / ES203
E / ES204	F / ES205

GENERAL NOTE:
ALL UTILITIES AND SITE OBJECTS ARE NOT SHOWN ON E-SERIES AND CIVIL SHEETS. CONTRACTOR SHALL REFERENCE V-SERIES SHEETS (V1.2 - V3.6) PLAN SURVEY AND UTILITY SURVEY FOR REFERENCE.

LEGEND

- AT / VS / VTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T / S — NEW TRANSFORMER, SWITCH
- VISTA — NEW VISTA SWITCH
- S & C — NEW S & C SWITCH
- ELEC-E — EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
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- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

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STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

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STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

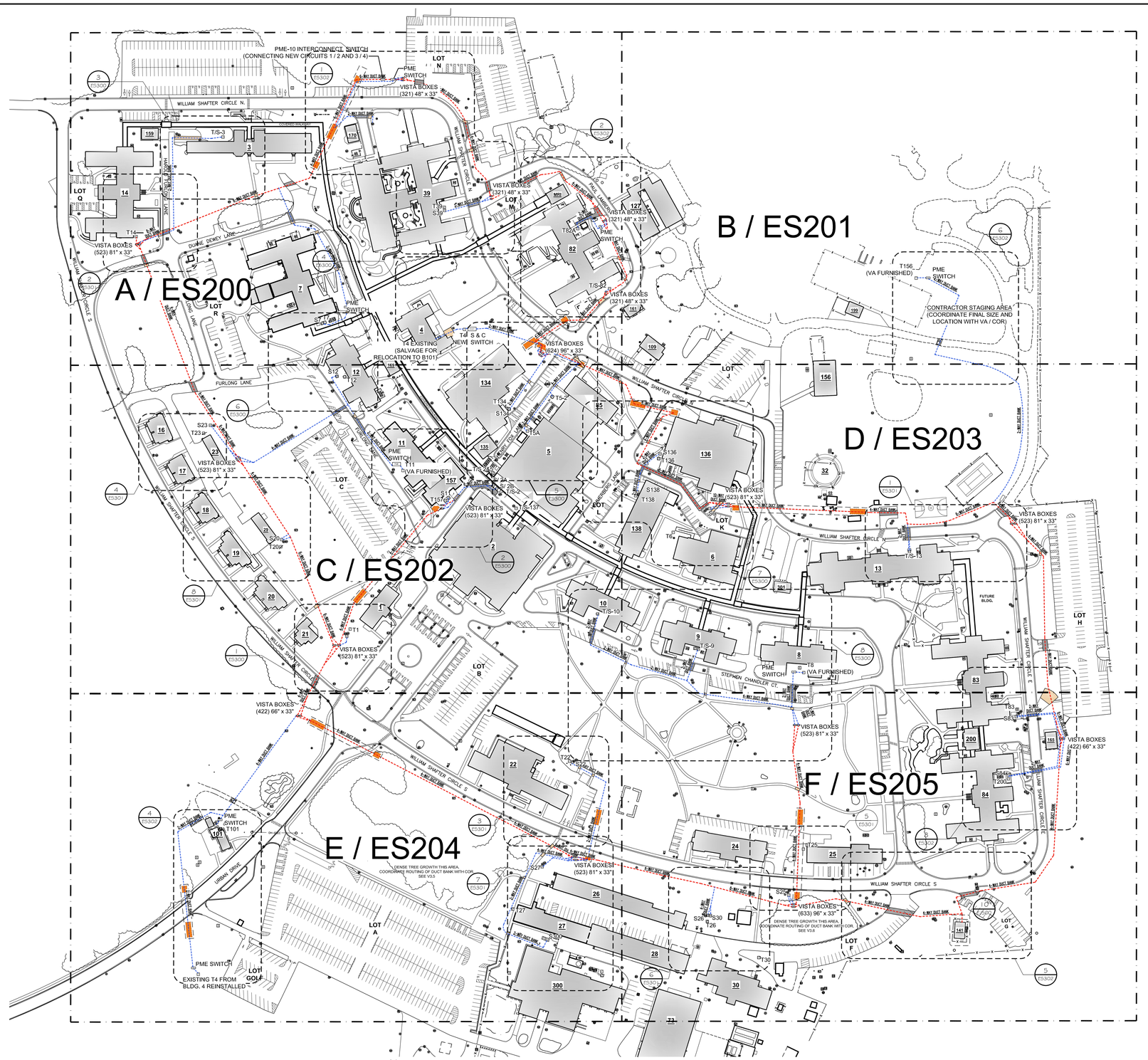
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	DEMOLITION-PRIMARY-ELECTRICAL DISTRIBUTION-PLAN
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	ED100
	33 OF 45

Z:\Viridian\Projects\2020\016\02 DRAWINGS\ARTCAD\515-15-117ES Site Plan.dwg 1-19-26 01:49:18 PM rbobrzyk

VA FORM 08-6231



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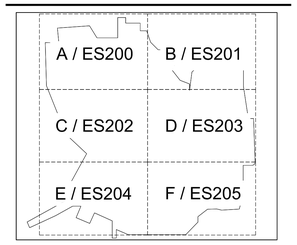
1 / ES100 CAMPUS ELECTRICAL PLAN

SCALE: 1" = 100'

SHEET KEY



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NOTE
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STAMP

STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301056647 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

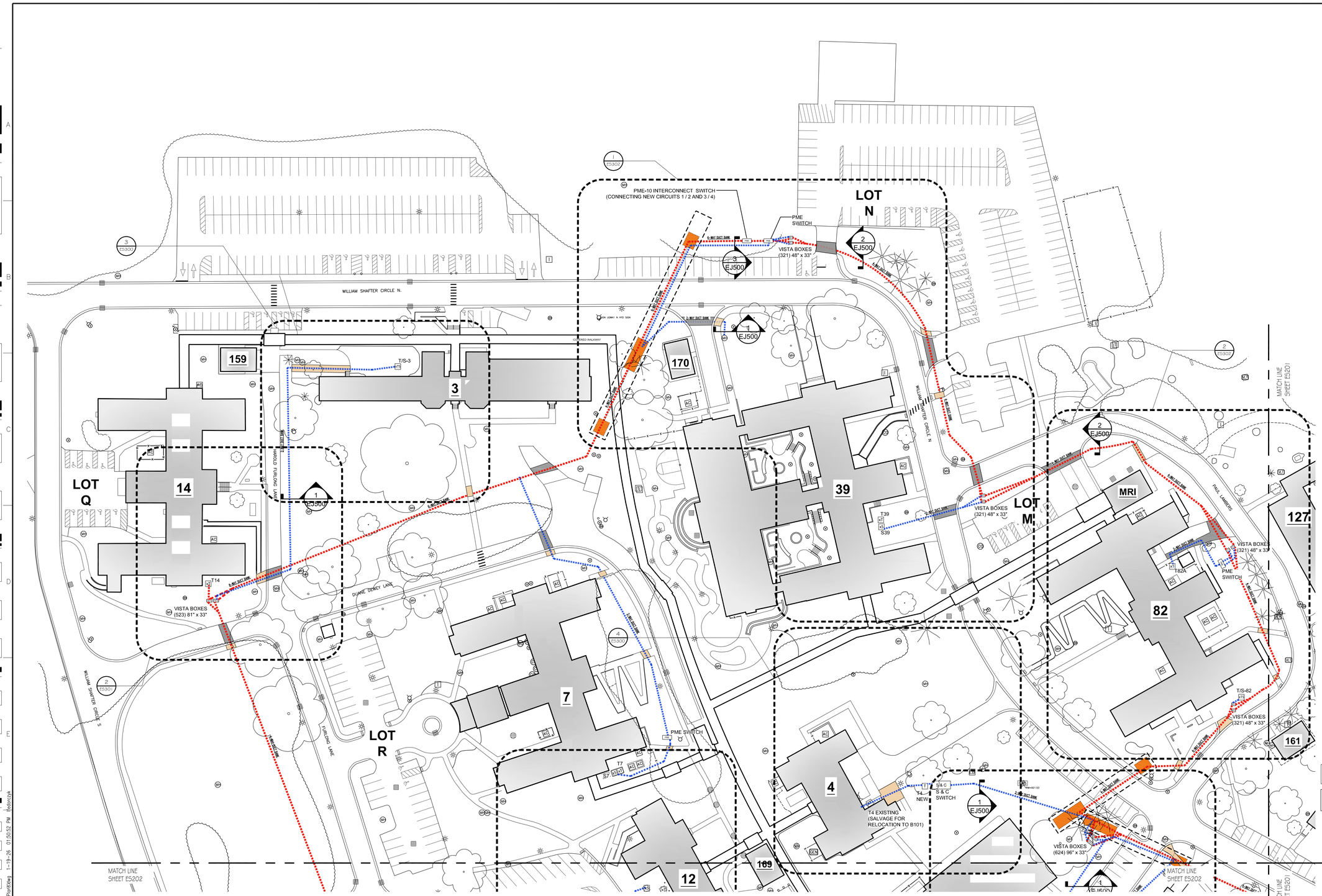
VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS-ELECTRICAL-PLAN	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: ES100

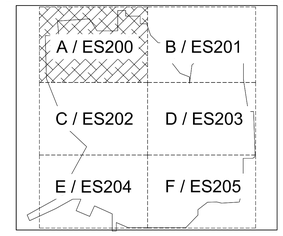
34 OF 45

VA FORM 08-6231

Z:\Viridian Projects\2022\0016 (02 DRAWINGS AUTOCAD\515-15-117ES Site Plan.dwg 1-19-26 01:51:13 PM jsobczyk



SHEET KEY



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NOTE
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N

1 / E5200 CAMPUS ELECTRICAL PLAN - AREA A
SCALE: 1" = 40'

Revisions:	Date:

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Office of Construction and Facilities Management
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Drawing Title	CAMPUS-ELECTRICAL-PLAN AREA-A
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	ES200 35 OF 45

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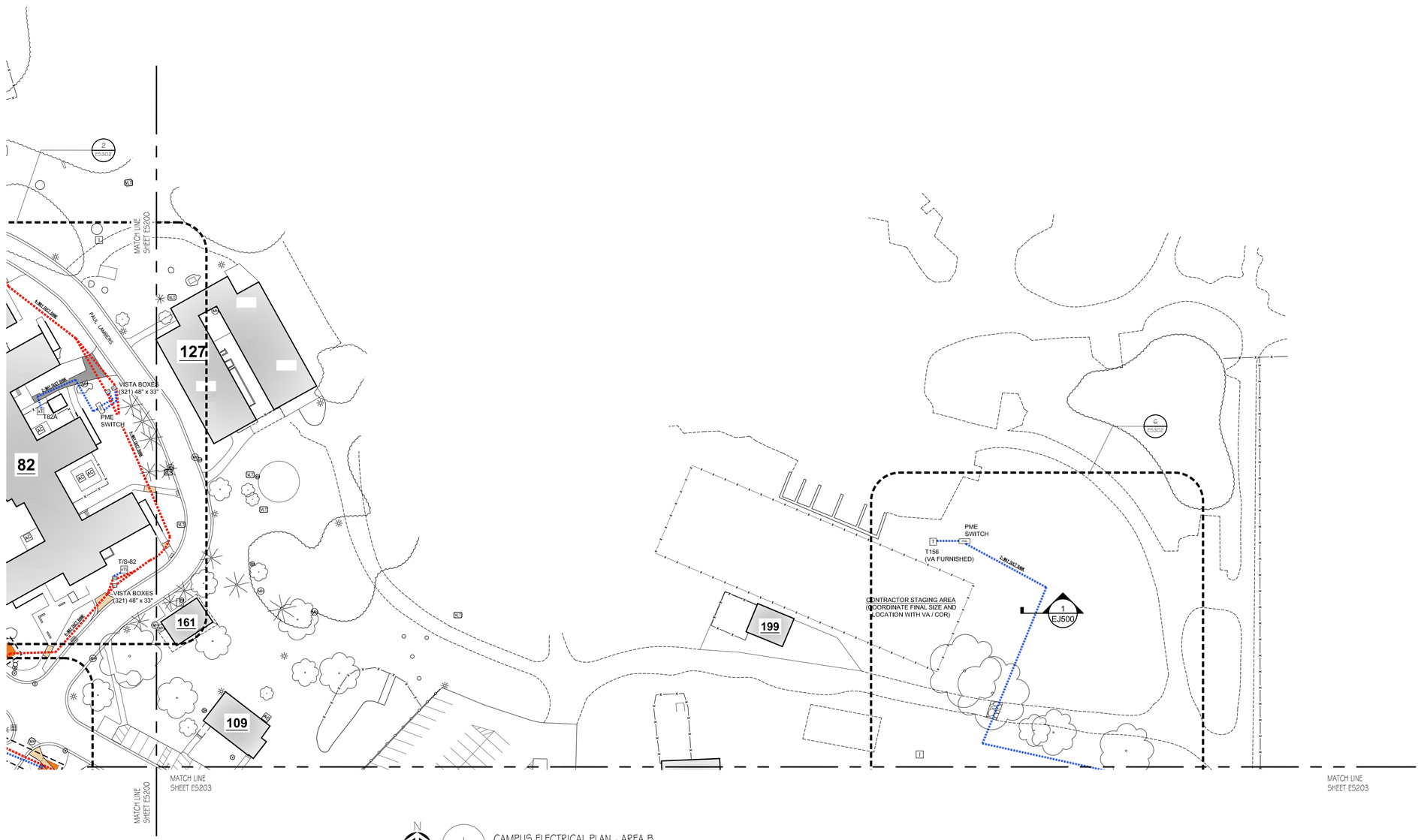
VA FORM 08-6231



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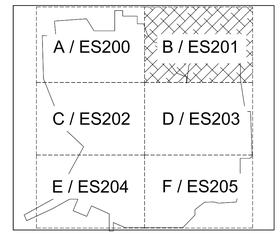
1 ES201 CAMPUS ELECTRICAL PLAN - AREA B

SCALE: 1" = 40'

SHEET KEY



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NOTE:
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Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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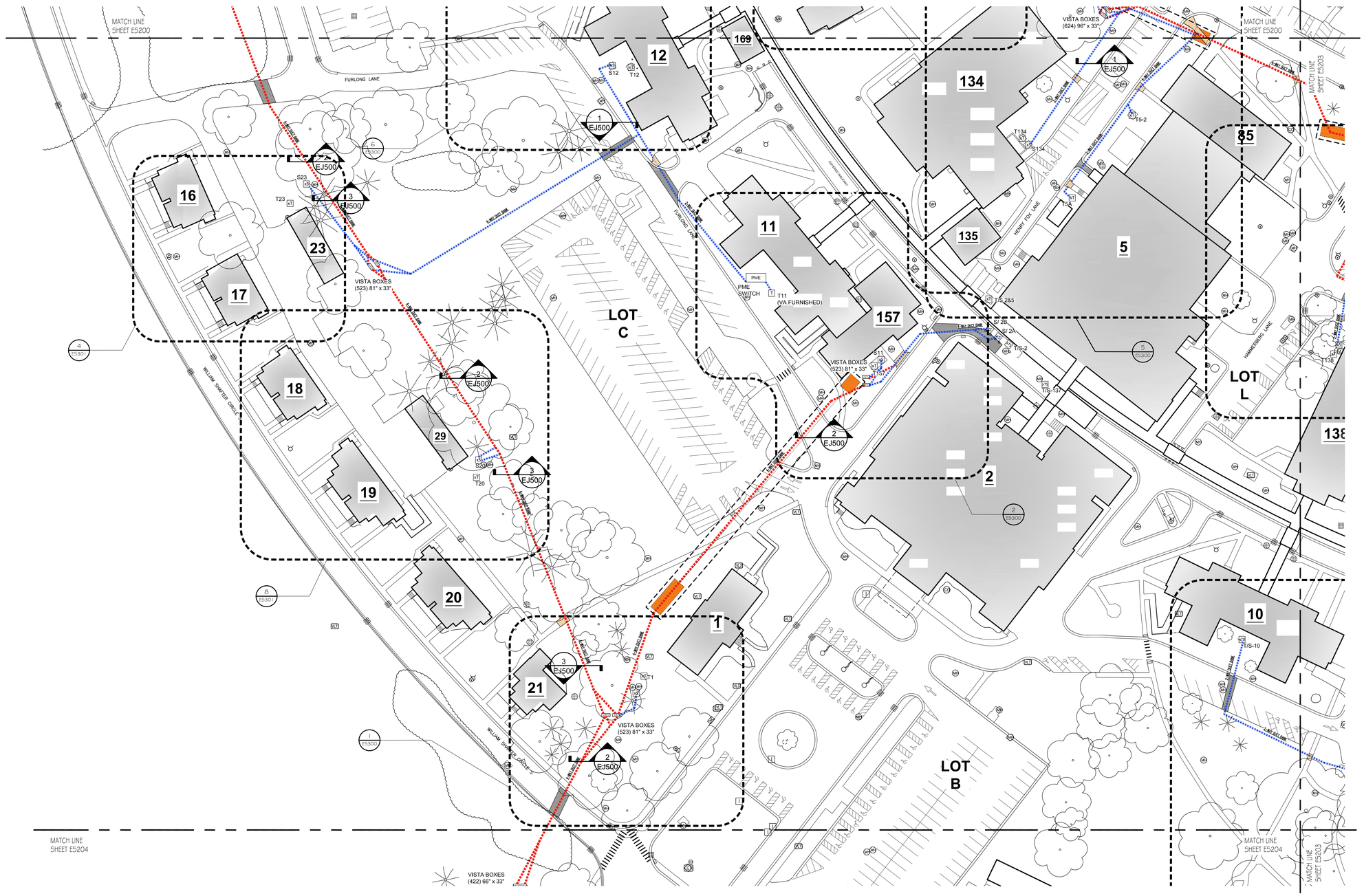
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS-ELECTRICAL-PLAN AREA-B	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: ES201 36 OF 45



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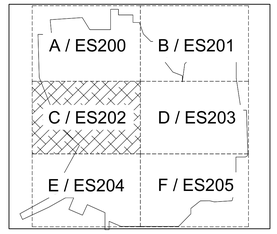

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N

1 / E5202 — CAMPUS ELECTRICAL PLAN - AREA C
SCALE: 1" = 40'

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD
A/E:
Viridian Architectural Design, Inc.
2020 E. Washington Boulevard
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Fort Wayne, Indiana 46808
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: CAMPUS-ELECTRICAL-PLAN AREA-C	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: ES202 37 OF 45

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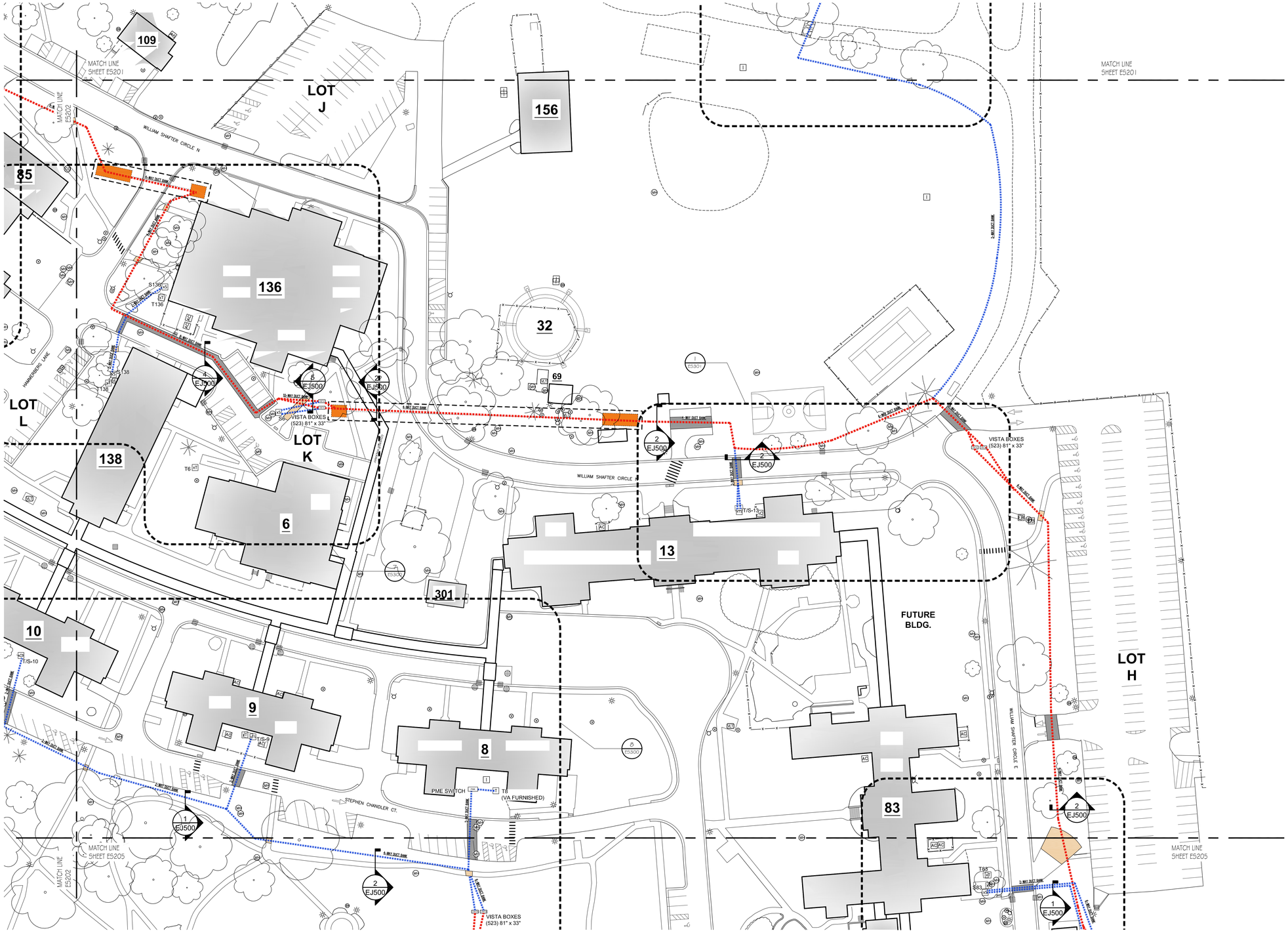
VA FORM 08-6231



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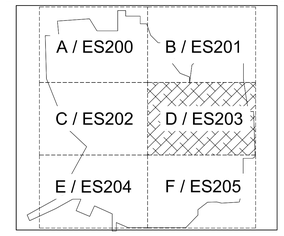

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N

1 / ES203 — CAMPUS ELECTRICAL PLAN - AREA D
SCALE: 1" = 40'

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
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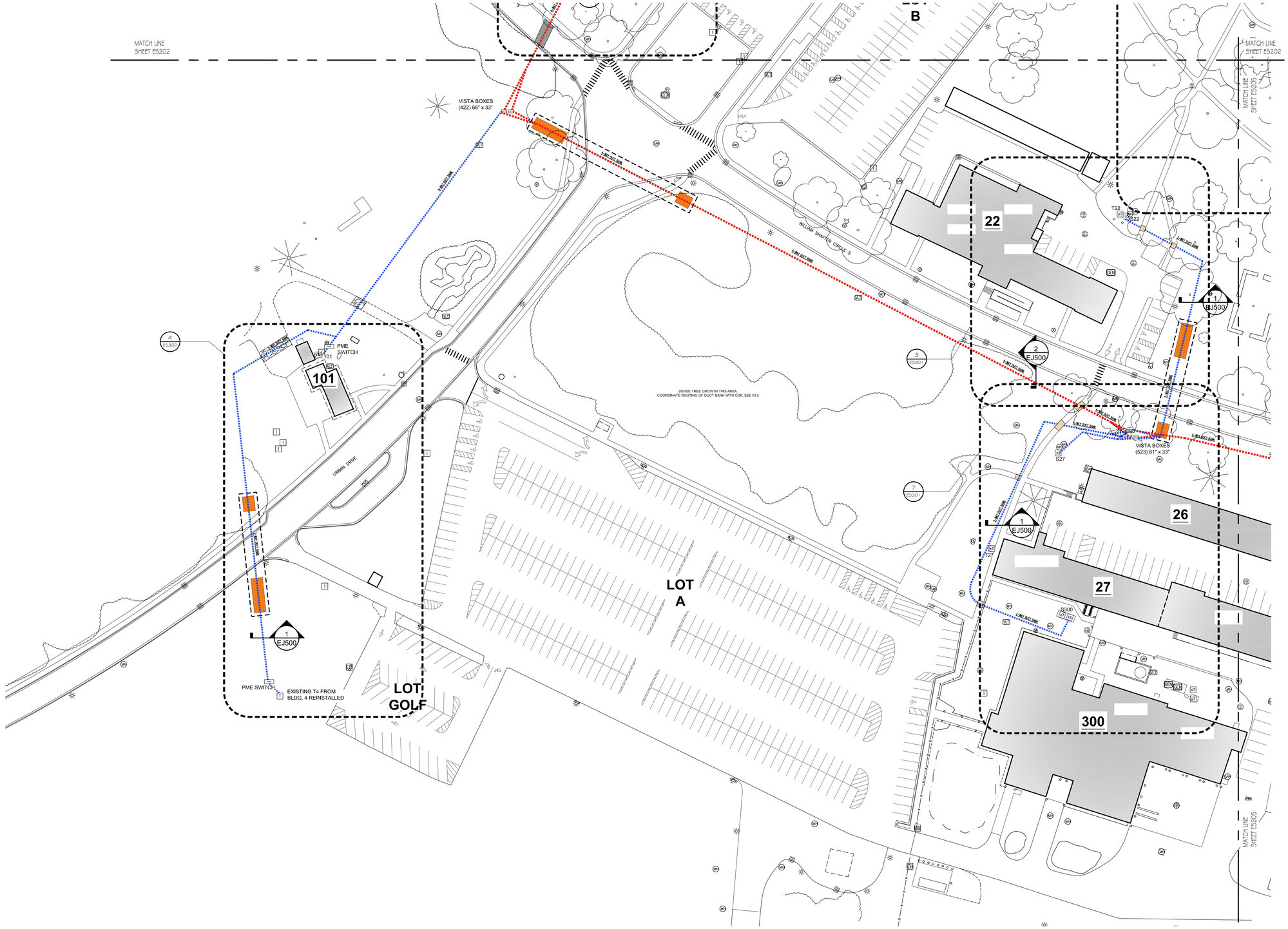
Drawing Title: CAMPUS-ELECTRICAL-PLAN AREA-D	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director		Location: Battle Creek, Michigan	Building Number
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	Drawing Number: ES203 38 OF 45



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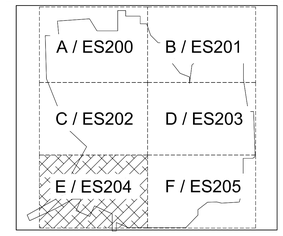

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13. CONTRACTOR TO COORDINATE RELOCATION AND STORAGE OF EXISTING EQUIPMENT WHICH IS DESIGNATED AS SALVAGED FOR REINSTALLATION BY THE VA. ALL OTHER DEMOLISHED EQUIPMENT AND MATERIALS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE STATION.

NOTE
SEE EJ500 FOR DUCT BANK DETAILS.
SEE CIVIL FOR ADDITIONAL INFORMATION.

GENERAL NOTE:
ALL UTILITIES AND SITE OBJECTS ARE NOT SHOWN ON E-SERIES AND CIVIL SHEETS. CONTRACTOR SHALL REFERENCE V-SERIES SHEETS (V1.2 - V3.6) PLAN SURVEY AND UTILITY SURVEY FOR REFERENCE.

LEGEND

- XT XS XTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- VISTA — NEW VISTA SWITCH
- S & C — NEW S & C SWITCH
- ELEC-E — EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

N

1 / ES203 CAMPUS ELECTRICAL PLAN - AREA E
SCALE: 1" = 40'

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
Viridian Architectural Design, Inc.
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Fort Wayne, Indiana 46808
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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STAMP: STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

STAMP: STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — REGISTERED ARCHITECT

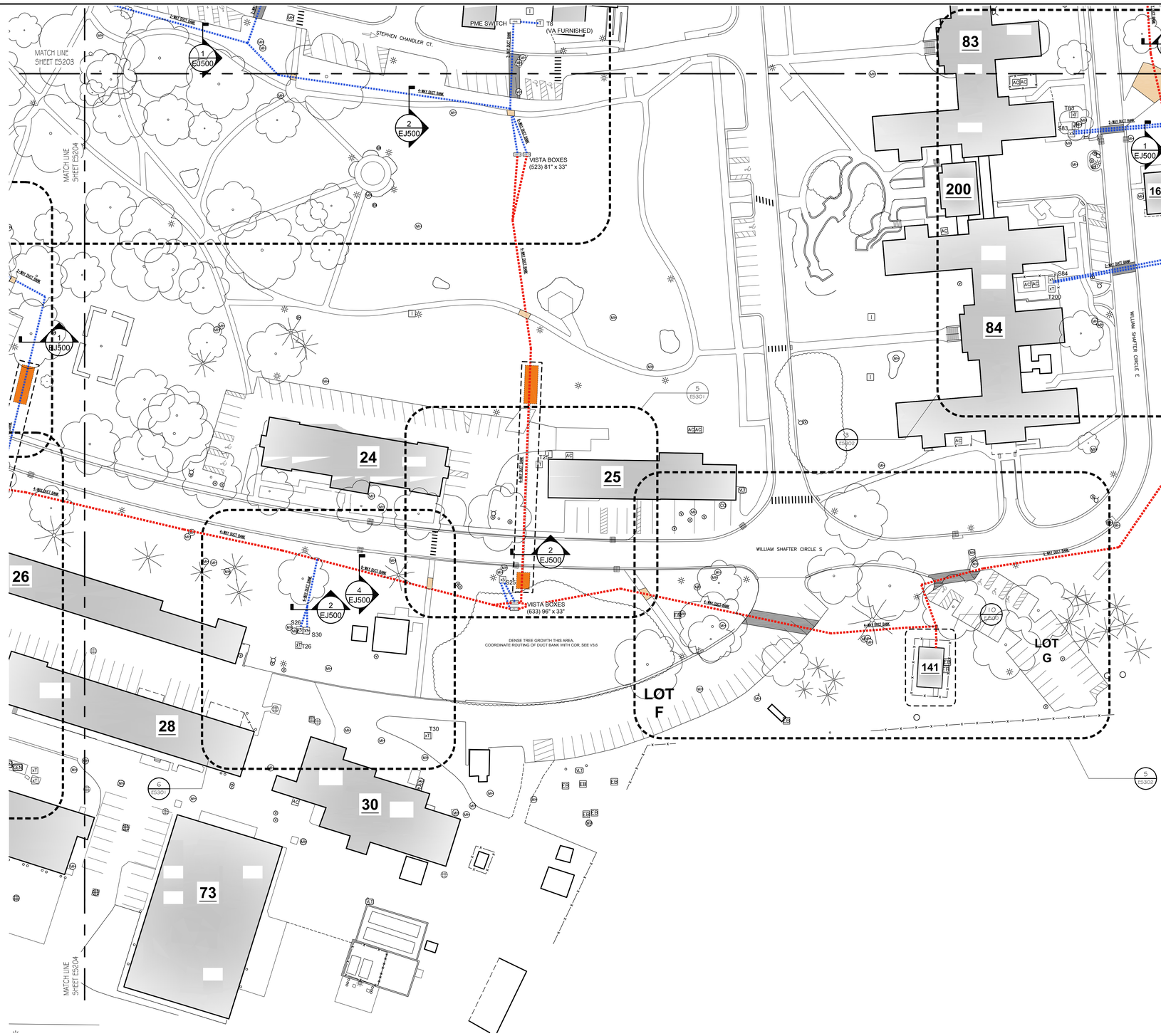
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CAMPUS-ELECTRICAL-PLAN AREA-E
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	ES204 39 OF 45

C:\Viridian\Projects\2022016\02 DRAWINGS\AUTOCAD\515-15-117 ES Site Plot.dwg 1-19-26 01:53:42 PM fedorczyk

VA FORM 08-6231

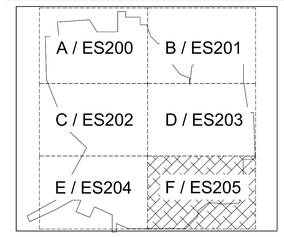


N

1 ES205 CAMPUS ELECTRICAL PLAN - AREA F

SCALE: 1" = 40'

SHEET KEY



GENERAL ELECTRICAL NOTES

1. EXISTING UNDERGROUND DUCT AND ASSOCIATED MANHOLES ARE SHOWN DIAGRAMMATICALLY ONLY. DRAWING DOES NOT SPECIFICALLY INDICATE THE EXACT LOCATION, DEPTH, DIRECTION OF EXISTING UNDERGROUND DUCT OR THE SPECIFIC FEEDER IN CERTAIN DUCT. DEPTH OF EXISTING DUCT AND LOCATION OF EXISTING DUCT IS SHOWN ON SURVEY SHEETS (V SERIES).
2. PRIOR TO TRENCHING FOR NEW UNDERGROUND DUCT OR PUSHING OR BORING FOR NEW CONDUITS, CONTRACTOR SHALL LOCATE AND STAKE OUT ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE ALL REQUIRED UNDERGROUND UTILITY LOCATING EQUIPMENT AND HAND DIGGING TO LOCATE EXISTING UNDERGROUND UTILITIES AS A PART OF THIS CONTRACT. AREAS TO BE TRENCHED FOR UNDERGROUND DUCT OR WHERE CONDUITS ARE SPECIFIED TO BE PUSHED OR BORED SHALL BE COORDINATED AND SCHEDULED WITH THE VA COR PRIOR TO DOING ANY WORK. SEE CIVIL DRAWINGS FOR EXTENT OF UNDERGROUND DUCT WORK AND JACK AND BORE WORK.
3. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES, VIA UNDERGROUND UTILITY LOCATING EQUIPMENT (PROVIDED BY CONTRACTOR) AND HAND DIGGING AS A PART OF THIS CONTRACT, BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY RESULT BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. ALL EXISTING UNDERGROUND UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE VA COR AT NO EXTRA COST TO THE VA MEDICAL CENTER.
4. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF SERVICES FOR ALL BUILDINGS, UTILITIES, LIFE SAFETY SYSTEMS IN COMPLETE OPERATION AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PERIOD. IF IT IS ABSOLUTELY NECESSARY TO SHUT DOWN ANY SYSTEM FOR ANY BUILDING OR ANY UTILITY, AT ANY TIME, THE CONTRACTOR SHALL CONSULT WITH AND PROVIDE WRITTEN NOTICE TO THE VA COR. PROVIDE PRIOR WRITTEN NOTICE THREE (3) WEEKS IN ADVANCE OF HTE DESIRED SHUTDOWN TIME TO MAKE ARRANGEMENTS TO DO SO ON AN OFF-HOUR PERIOD OR WEEKEND, AT THE CONVENIENCE OF VA AS APPROVED BY THE VA COR. PROVIDE DETAILED SCHEDULES AND DIAGRAMS FOR OUTAGES AND METHODS FOR MAINTAINING CONTINUITY OF SERVICE. CONTRACTOR MAY UTILIZE EXISTING STATION BUILDING GENERATORS (CONTRACTOR SHALL PROVIDE FUEL) PENDING APPROVAL BY THE VA COR. CONTRACTOR SHALL PROVIDE GENERATORS FOR BUILDINGS THAT DO NOT HAVE CONNECTION TO A STATION GENERATOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WIRING, SPLICES AND EQUIPMENT TO MAINTAIN CONTINUITY OF SERVICE AT ALL TIMES DURING ALL PHASES OF CONSTRUCTION.
5. REFER TO ELECTRICAL SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR ADDITIONAL REQUIREMENTS.
6. CONTRACTORS SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES ON SITE.
7. PROTECT ALL EXISTING EQUIPMENT AND FINISHES FROM DUST, DEBRIS, AND DAMAGE THROUGH DURATION OF PROJECT.
8. ALL DEMOLISHED ELECTRICAL ITEMS SHALL BE REMOVED FROM SITE BY CONTRACTOR. CONTRACTOR SHALL LEGALLY DISPOSE OF ALL ITEMS.
9. AFTER ELECTRICAL ITEMS ARE DEMOLISHED AND / OR INSTALLED, ALL ADJACENT FINISHES / MATERIALS SHALL BE MODIFIED TO SHOW NO EVIDENCE OF CONSTRUCTION.
10. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL EQUIPMENT, DEVICES, CABLING, CONDUIT FOR A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM AS SHOWN ON DRAWINGS AND IN SPECIFICATIONS.
11. CONTRACTOR TO VERIFY STAGING AND STORAGE LOCATIONS OF ALL MATERIALS AND EQUIPMENT WITH COR PRIOR TO BEGINNING OF CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THEM DURING THE CONSTRUCTION PROCESS. IN THE EVENT OF ANY DAMAGES CONTRACTOR IS TO CONTACT THE COR IMMEDIATELY, PRIOR TO THE END OF THE DAY OF CONSTRUCTION.
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NOTE
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SEE CIVIL FOR ADDITIONAL INFORMATION.

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- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STAMP

STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301056447 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CAMPUS-ELECTRICAL-PLAN AREA-F
Phase	FINAL BID DOCUMENT
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Approved: Project Director	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	ES205 40 OF 45

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VA FORM 08-6231

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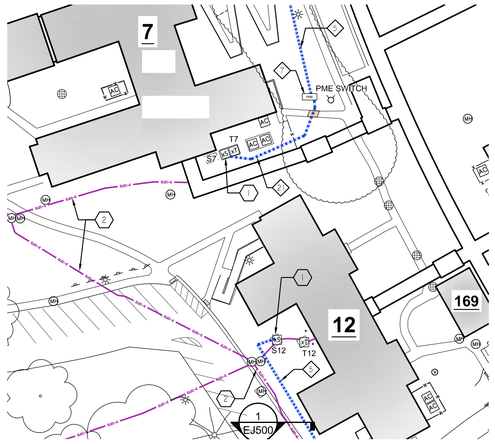
8 E5300 DETAILED PLAN - BUILDINGS 8, 9, 10

SCALE: 1" = 40'



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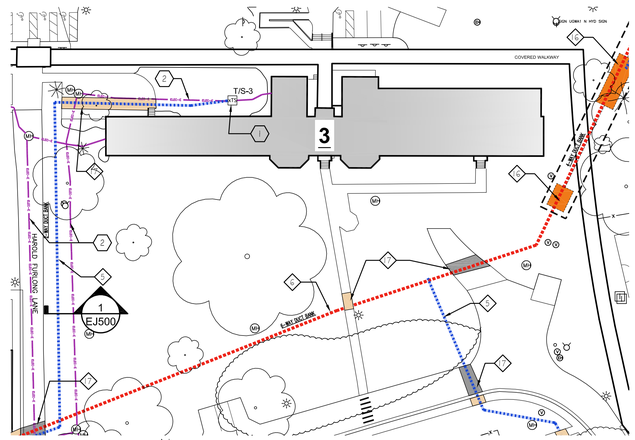
6 E5300 DETAILED PLAN - BUILDING 7 / 12

SCALE: 1" = 40'



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3 E5300 DETAILED PLAN - BUILDING 3

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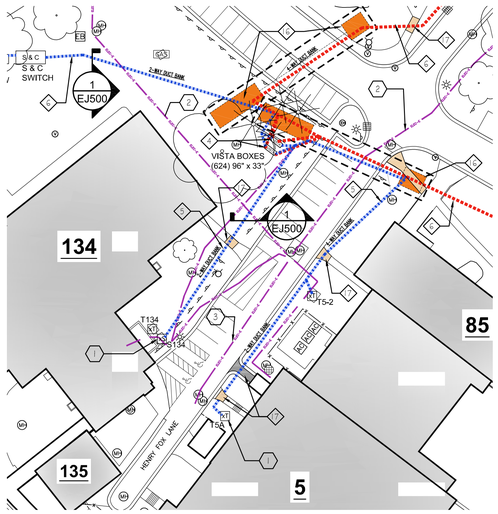

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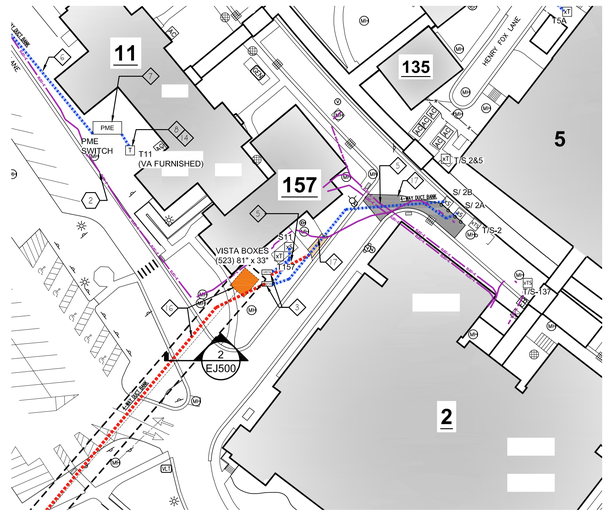
5 E5300 DETAILED PLAN - BUILDING 134 / 5

SCALE: 1" = 40'



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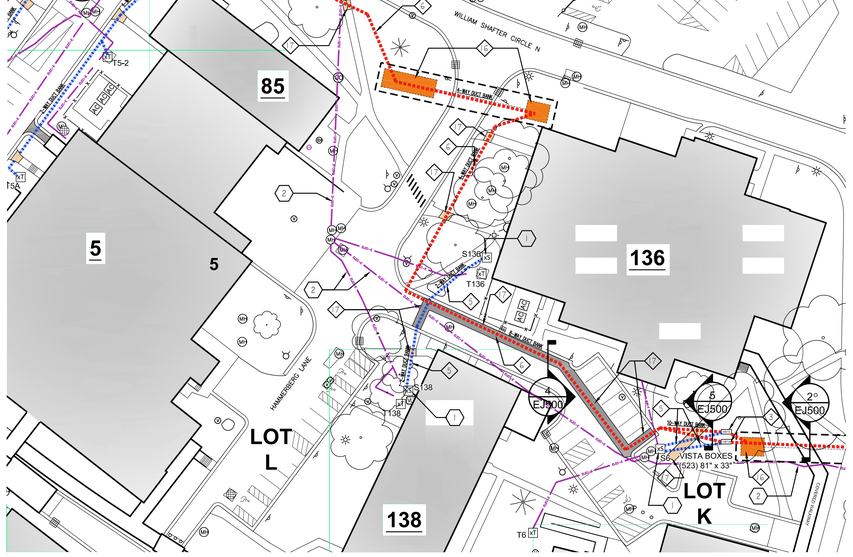
2 E5300 DETAILED PLAN - BUILDING 2 / 11 / 157

SCALE: 1" = 40'



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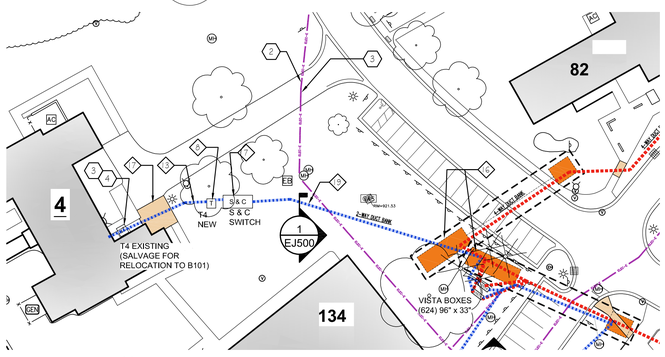
7 E5300 DETAILED PLAN - BUILDING 6 / 136 / 138

SCALE: 1" = 40'



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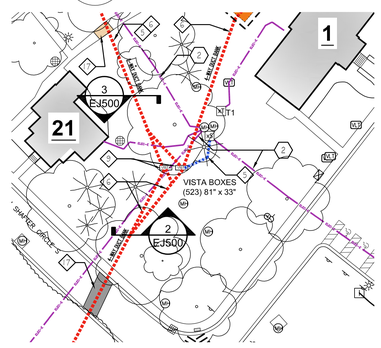
4 E5300 DETAILED PLAN - BUILDING 4

SCALE: 1" = 40'



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1 E5300 DETAILED PLAN - BUILDING 1 / 21

SCALE: 1" = 40'

NOTE
SEE EJ500 FOR DUCT BANK DETAILS.
SEE CIVIL FOR ADDITIONAL INFORMATION.

ELECTRICAL DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CONDUCTORS FROM EXISTING 5 # C SWITCH BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
2. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES BETWEEN MANHOLES IN THEIR ENTIRETY; EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
3. DISCONNECT EXISTING MEDIUM VOLTAGE CONDUCTORS FROM BUILDING 4 TRANSFORMER AND REMOVE BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL BE ABANDONED IN PLACE. THE EXISTING TRANSFORMER SHALL BE CAREFULLY REMOVED AND RELOCATED.
4. DISCONNECT AND REMOVE EXISTING SECONDARY CONDUCTORS FROM BUILDING 4 TRANSFORMER TO MDP-4. EXISTING CONDUIT SHALL BE CUT OFF BELOW GRADE AND PREPPED FOR RE-USE. SEE ELECTRICAL PLAN NOTES # 13 FOR ADDITIONAL WORK.
5. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES FROM MEDIUM VOLTAGE SWITCHGEAR TO MANHOLE5. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
6. DISCONNECT AND REMOVE EXISTING PRIMARY SIDE MEDIUM VOLTAGE CONDUCTORS FROM EXISTING TRANSFORMER BACK TO MANHOLE SPLICE. SEE NOTE #7 FOR ADDITIONAL WORK.
7. EXCAVATE AT EXISTING TRANSFORMER, EXPOSING EXISTING PRIMARY SIDE CONDUIT. CUT EXISTING CONDUIT AND RE-ROUTE TO NEW S4C SWITCH. SEE NEW ELECTRICAL PLAN NOTES FOR ADDITIONAL WORK.

ELECTRICAL PLAN NOTES

1. PROVIDE NEW SWITCH, S4C #93321R1 - MODEL 321 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO-HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR -P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
2. PROVIDE NEW SWITCH, S4C #93422R1 - MODEL 422 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR -P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
3. PROVIDE NEW SWITCH, S4C #93523R1 - MODEL 523 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR -P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
4. PROVIDE NEW SWITCH, S4C #93624R1 - MODEL 624 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR -P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
5. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO EXISTING 5 # C SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET EJ500. AT NEW 5 # C SWITCH, CONDUIT SHALL STUB UP ABOVE GRADE, LB INTO SIDE OF EXISTING 5 # C SWITCH AND CABLES SHALL BE TERMINATED IN SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
6. PROVIDE NEW MV CABLES IN DUCT BANK AS SHOWN IN DETAILS ON SHEET EJ500.
7. PROVIDE NEW PME-G MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
8. INSTALL TRANSFORMER, FURNISHED BY THE VA. TRANSFORMER SHALL BE INSTALLED ON CONCRETE PAD WHICH EXTENDS 6" BEYOND FACE OF EQUIPMENT ON ALL SIDES. SEE DETAIL ON SHEET EJ500. PROVIDE MV CIRCUIT FROM S4C SWITCH TO TRANSFORMER.
9. PROVIDE NEW SWITCH, S4C # 93633R1 - MODEL 633 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR -P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
10. PROVIDE NEW MV CABLE FROM EXISTING MV SWITCH LOCATED IN BUILDING 141. TYPICAL OF (4) FOUR CABLES SHALL BE ROUTED TO NEW SWITCHES AS SHOWN IN ELECTRICAL PLANS. SEE 10 / EJ500.
11. STUB OUT (1) #1 SPARE CONDUIT 5' FROM NEW VISTA SWITCH FOR FUTURE USE (VERIFY SPARE CONDUIT PATH WITH COR PRIOR TO PROCEEDING). CAP END OF CONDUIT.
12. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM MDP-B BACK TO BREAKER IN BUILDING 9. EXISTING CONDUITS SHALL BE CUT 10 OUTSIDE OF BUILDING AND PROTECTED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE FROM NEW PAD-MOUNT TRANSFORMER FOR BUILDING 8 TO MDP-8. CIRCUIT SHALL BE (2) #4/350KCMIL, #3/0G. CONNECT NEW CONDUITS FROM TRANSFORMER TO EXISTING CONDUIT ENTERING BUILDING.
13. PROVIDE NEW SERVICE ENTRANCE FROM NEW BUILDING 4 TRANSFORMER TO MDP-4. CIRCUIT SHALL BE (2) 4# 350KCMIL, #3/0G, 3" CONDUIT. NEW CONDUIT SHALL BE COUPLED WITH EXISTING CONDUIT. EXISTING CONDUIT SHALL BE CLEANED THOROUGHLY PRIOR TO RE-USE. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
14. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM BUILDING 11 PANEL B BACK TO BUILDING 12. EXISTING CONDUIT SHALL BE CUT 5' (FIVE FEET) OUTSIDE OF BUILDING 11 AND PREPPED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE CONDUCTORS FROM RELOCATED BUILDING 11 TRANSFORMER; CONDUCTORS SHALL BE #4/350KCMIL, 1#2G, 3"C. CONDUIT SHALL BE COUPLED WITH EXISTING BUILDING 11 CONDUIT. TERMINATE CONDUCTORS IN PANEL B IN BUILDING 11.
15. PROVIDE NEW MV CABLE FROM SECONDARY OF PME SWITCH TO BUILDING B2 TRANSFORMER. PROVIDE NEW CONDUIT FROM PME SWITCH TO EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO PRIMARY SIDE OF BUILDING B2 TRANSFORMER. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY. TERMINATE AND TEST ALL CABLES AND PREPARE EXISTING CONDUIT AS REQUIRED IN SPECIFICATIONS.
16. UNDERGROUND JACK AND BORE LOCATION. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
17. LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND OR ASPHALT AND OR GRAVEL. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
18. PROVIDE NEW MV CIRCUIT FROM SECONDARY OF PME SWITCH TO MV SWITCH IN LOWER LEVEL OF BUILDING 39. PROVIDE NEW CONDUIT, ENTERING EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO MV SWITCH. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY.
19. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO NEW 5 # C SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET EJ500. MAKE ALL TERMINATIONS IN SWITCH AND TEST PER SPECIFICATIONS.
20. PROVIDE NEW PME-10 MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
21. PROVIDE MV CIRCUIT FROM NEW PME-6 MEDIUM VOLTAGE SWITCH AS SHOWN TO EXISTING BUILDING 7 MEDIUM VOLTAGE SWITCH. CAREFULLY EXCAVATE AROUND EXISTING SWITCH, INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW PME SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.

GENERAL NOTE:
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LEGEND

- AT AS XTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- VISTA — NEW VISTA SWITCH
- S & C — NEW 5 # C SWITCH
- ELEC-E — EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
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STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ELECTRICAL-SITE-PLAN-DETAILS
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Location	Battle Creek, Michigan
Drawing Number	ES300
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Sheet	41 OF 45

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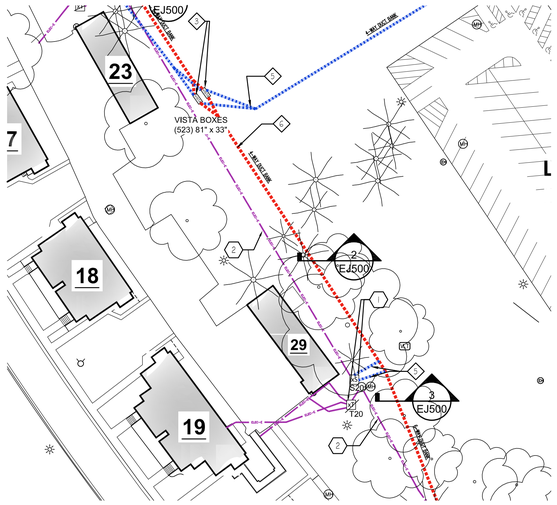
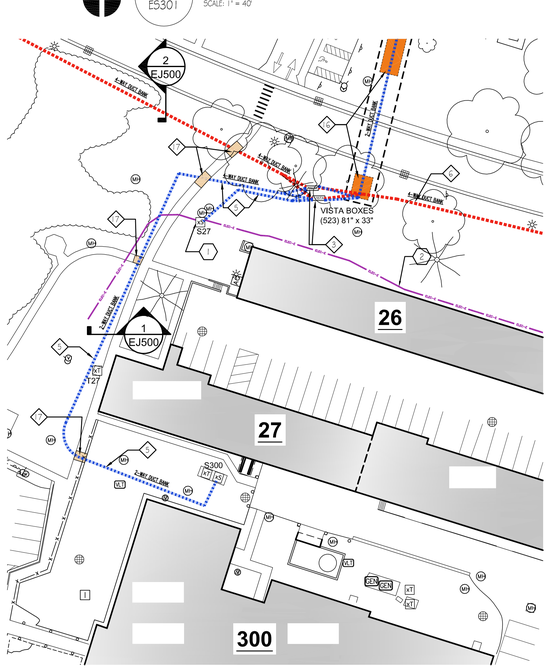
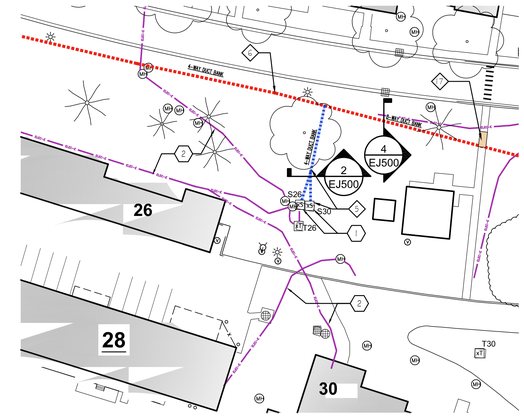
VA FORM 08-6231



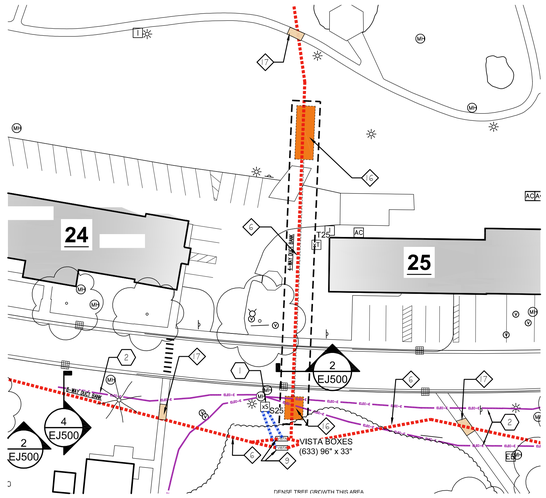
8 E5301 DETAILED PLAN - BUILDING 29
SCALE: 1" = 40'



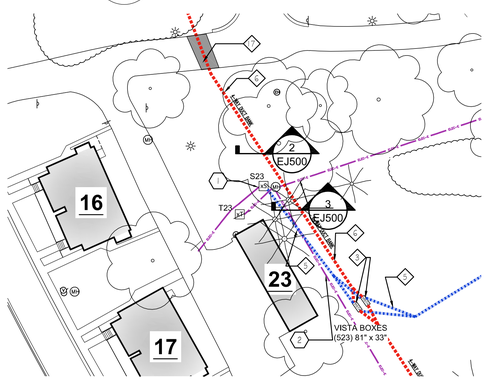
7 E5301 DETAILED PLAN - BUILDING 27 / 28
SCALE: 1" = 40'



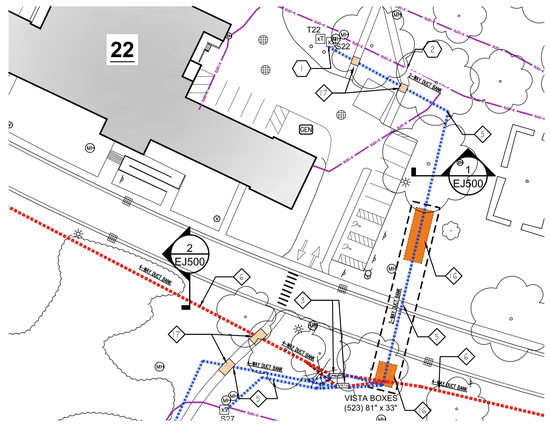
6 E5301 DETAILED PLAN - BUILDING 26 / 28 / 30
SCALE: 1" = 40'



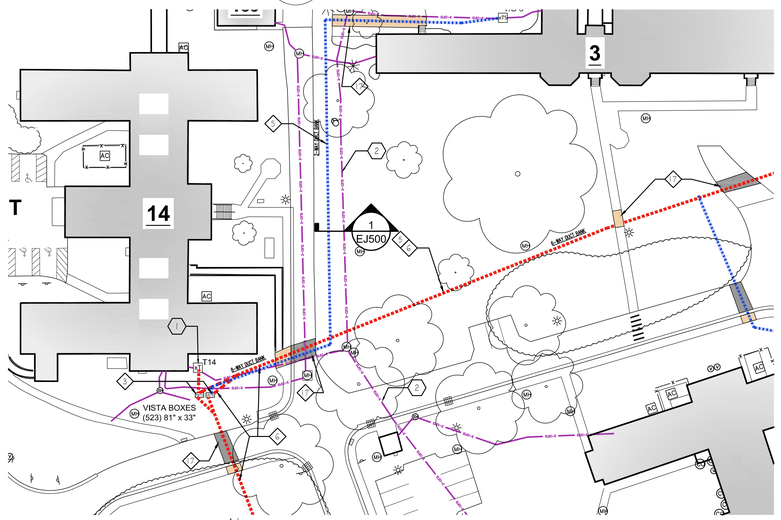
5 E5301 DETAILED PLAN - BUILDING 25
SCALE: 1" = 40'



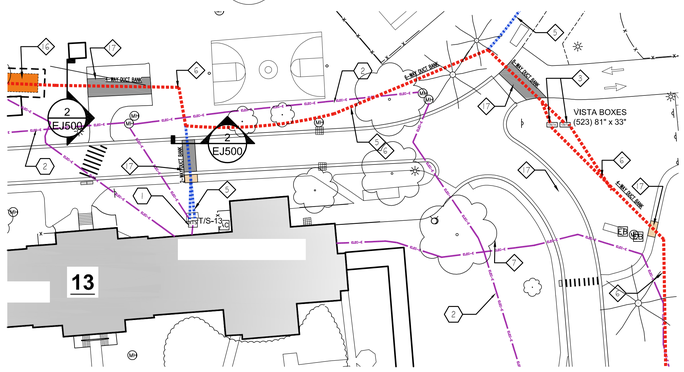
4 E5301 DETAILED PLAN - BUILDING 23
SCALE: 1" = 40'



3 E5301 DETAILED PLAN - BUILDING 22
SCALE: 1" = 40'



2 E5301 DETAILED PLAN - BUILDING 14
SCALE: 1" = 40'



1 E5301 DETAILED PLAN - BUILDING 13
SCALE: 1" = 40'

ELECTRICAL DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CONDUCTORS FROM EXISTING 5 ¢ SWITCH BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
2. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES BETWEEN MANHOLES IN THEIR ENTIRETY; EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
3. DISCONNECT EXISTING MEDIUM VOLTAGE CONDUCTORS FROM BUILDING 4 TRANSFORMER AND REMOVE BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL BE ABANDONED IN PLACE. THE EXISTING TRANSFORMER SHALL BE CAREFULLY REMOVED AND RELOCATED.
4. DISCONNECT AND REMOVE EXISTING SECONDARY CONDUCTORS FROM BUILDING 4 TRANSFORMER TO MDP-4. EXISTING CONDUIT SHALL BE CUT OFF BELOW GRADE AND PREPPED FOR RE-USE. SEE ELECTRICAL PLAN NOTES # 13 FOR ADDITIONAL WORK.
5. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES FROM MEDIUM VOLTAGE SWITCHGEAR TO MANHOLE5. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
6. DISCONNECT AND REMOVE EXISTING PRIMARY SIDE MEDIUM VOLTAGE CONDUCTORS FROM EXISTING TRANSFORMER BACK TO MANHOLE SPLICE. SEE NOTE #7 FOR ADDITIONAL WORK.
7. EXCAVATE AT EXISTING TRANSFORMER, EXPOSING EXISTING PRIMARY SIDE CONDUIT. CUT EXISTING CONDUIT AND RE-ROUTE TO NEW S¢C SWITCH. SEE NEW ELECTRICAL PLAN NOTES FOR ADDITIONAL WORK.

ELECTRICAL PLAN NOTES

1. PROVIDE NEW SWITCH, S¢C #93321K1 - MODEL 321 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO-HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
2. PROVIDE NEW SWITCH, S¢C #93422K1 - MODEL 422 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
3. PROVIDE NEW SWITCH, S¢C #93523K1 - MODEL 523 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
4. PROVIDE NEW SWITCH, S¢C #93624SK1 - MODEL 624 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
5. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO EXISTING 5 ¢ SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET EJ500. AT NEW 5 ¢ C SWITCH, CONDUIT SHALL STUB UP ABOVE GRADE, LB INTO SIDE OF EXISTING 5 ¢ C SWITCH AND CABLES SHALL BE TERMINATED IN SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
6. PROVIDE NEW MV CABLES IN DUCT BANK AS SHOWN IN DETAILS ON SHEET EJ500.
7. PROVIDE NEW PME-6 MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
8. INSTALL TRANSFORMER, PURNISHED BY THE VA. TRANSFORMER SHALL BE INSTALLED ON CONCRETE PAD WHICH EXTENDS 6' BEYOND FACE OF EQUIPMENT ON ALL SIDES. SEE DETAIL ON SHEET EJ500. PROVIDE MV CIRCUIT FROM S¢C SWITCH TO TRANSFORMER.
9. PROVIDE NEW SWITCH, S¢C #93633R1 - MODEL 633 | 5.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN | 5.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD | 5.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
10. PROVIDE NEW MV CABLE FROM EXISTING MV SWITCH LOCATED IN BUILDING 141. TYPICAL OF (4) FOUR CABLES SHALL BE ROUTED TO NEW SWITCHES AS SHOWN IN ELECTRICAL PLANS. SEE 10 | EJ500.
11. STUB OUT (1) 4" SPARE CONDUIT 5' FROM NEW VISTA SWITCH FOR FUTURE USE (VERIFY SPARE CONDUIT PATH WITH COR PRIOR TO PROCEEDING). CAP END OF CONDUIT.
12. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM MDP-8 BACK TO BREAKER IN BUILDING 9. EXISTING CONDUITS SHALL BE CUT 10 OUTSIDE OF BUILDING AND PROTECTED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE FROM NEW PAD-MOUNT TRANSFORMER FOR BUILDING 8 TO MDP-8. CIRCUIT SHALL BE (2) #4|350KCMIL, 1#3/0G. CONNECT NEW CONDUITS FROM TRANSFORMER TO EXISTING CONDUIT ENTERING BUILDING.
13. PROVIDE NEW SERVICE ENTRANCE FROM NEW BUILDING 4 TRANSFORMER TO MDP-4. CIRCUIT SHALL BE (2) 4# 350KCMIL, 1#3/0G, 3" CONDUIT. NEW CONDUIT SHALL BE COUPLED WITH EXISTING CONDUIT. EXISTING CONDUIT SHALL BE CLEANED THOROUGHLY PRIOR TO RE-USE. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
14. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM BUILDING 11 PANEL B BACK TO BUILDING 12. EXISTING CONDUIT SHALL BE CUT 5' (FIVE FEET) OUTSIDE OF BUILDING 11 AND PREPPED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE CONDUCTORS FROM RELOCATED BUILDING 11 TRANSFORMER. CONDUCTORS SHALL BE 4#350KCMIL, 1#2G, 3"C. CONDUIT SHALL BE COUPLED WITH EXISTING BUILDING 11 CONDUIT. TERMINATE CONDUCTORS IN PANEL B IN BUILDING 11.
15. PROVIDE NEW MV CABLE FROM SECONDARY OF PME SWITCH TO BUILDING 82 TRANSFORMER. PROVIDE NEW CONDUIT FROM PME SWITCH TO EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO PRIMARY SIDE OF BUILDING 82 TRANSFORMER. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY. TERMINATE AND TEST ALL CABLES AND PREPARE EXISTING CONDUIT AS REQUIRED IN SPECIFICATIONS.
16. UNDERGROUND JACK AND BORE LOCATION. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
17. LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND OR ASPHALT AND OR GRAVEL. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
18. PROVIDE NEW MV CIRCUIT FROM SECONDARY OF PME SWITCH TO MV SWITCH IN LOWER LEVEL OF BUILDING 38. PROVIDE NEW CONDUIT, ENTERING EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO MV SWITCH. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY.
19. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO NEW 5 ¢ C SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET EJ500. MAKE ALL TERMINATIONS IN SWITCH AND TEST PER SPECIFICATIONS.
20. PROVIDE NEW PME-10 MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
21. PROVIDE MV CIRCUIT FROM NEW PME-6 MEDIUM VOLTAGE SWITCH AS SHOWN TO EXISTING BUILDING 7 MEDIUM VOLTAGE SWITCH. CAREFULLY EXCAVATE AROUND EXISTING SWITCH, INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW PME SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.

GENERAL NOTE:
ALL UTILITIES AND SITE OBJECTS ARE NOT SHOWN ON E-SERIES AND CIVIL SHEETS. CONTRACTOR SHALL REFERENCE V-SERIES SHEETS (V1.2 - V3.6) PLAN SURVEY AND UTILITY SURVEY FOR REFERENCE.

LEGEND

- XT XS XTS — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- VISTA — NEW VISTA SWITCH
- S&C — NEW 5 ¢ C SWITCH
- ELEC-E — EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

NOTE
SEE EJ500 FOR DUCT BANK DETAILS.
SEE CIVIL FOR ADDITIONAL INFORMATION.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STAMP

STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

STAMP

STATE OF MICHIGAN — TERRY W. THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL-SITE-PLAN-DETAILS	Phase: FINAL BID DOCUMENT	Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
Approved: Project Director			Building Number
		Location: Battle Creek, Michigan	Drawing Number: ES301 42 OF 45
		Issue Date: 01/19/2026 / Checked: TWT, JH / Drawn: LF	

VA FORM 08-6231

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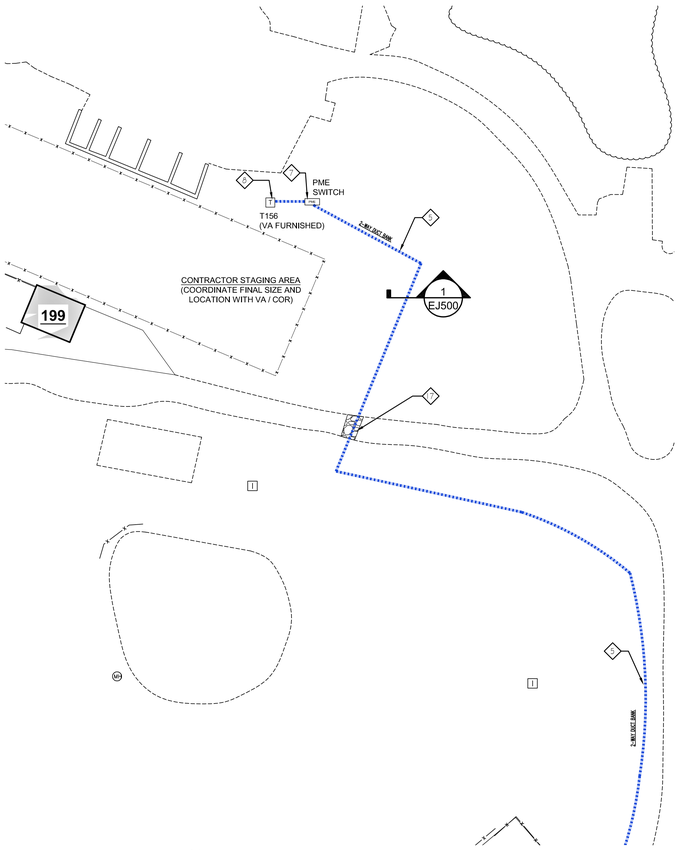
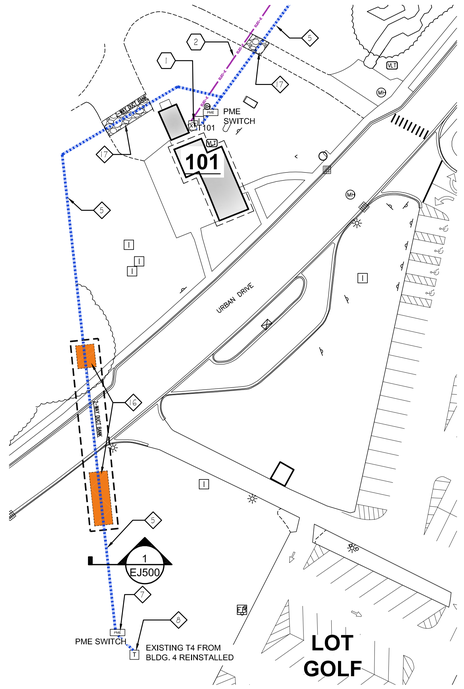


N 6 E5302 DETAILED PLAN - BUILDING 199
SCALE: 1" = 40'



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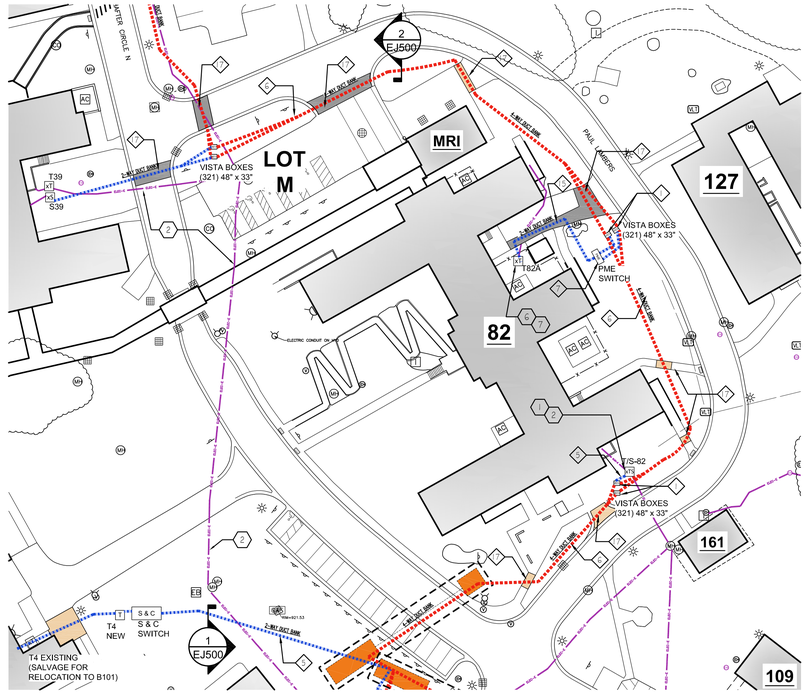

N 2 E5302 DETAILED PLAN - BUILDING 82
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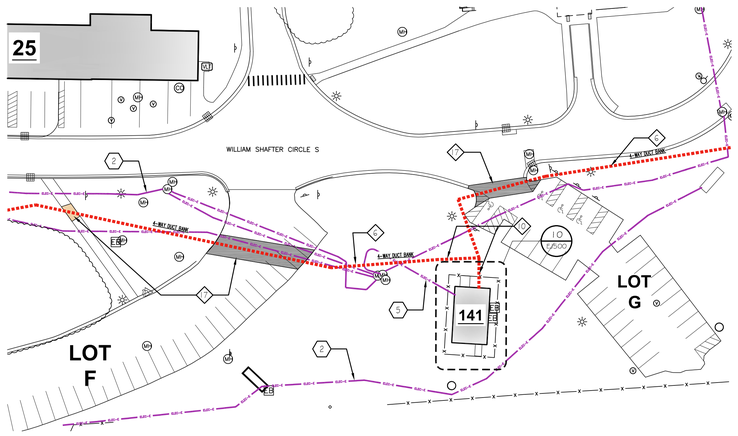
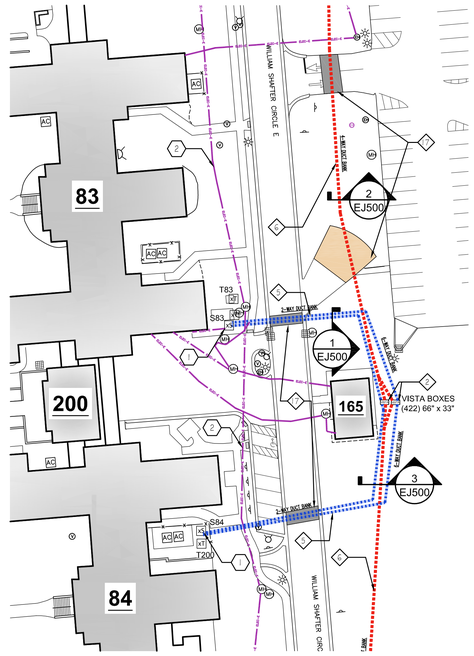
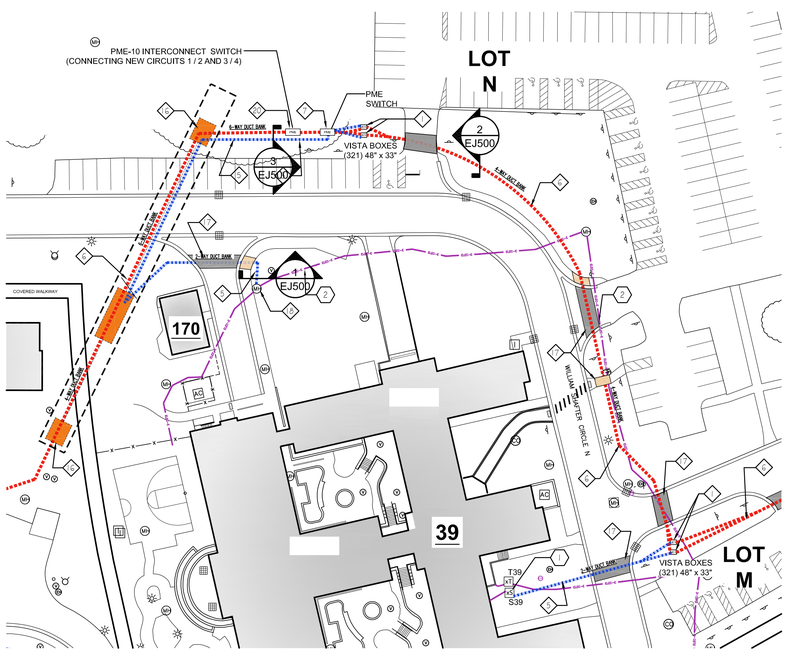


N 5 E5302 DETAILED PLAN - BUILDING 141
SCALE: 1" = 40'



N 3 E5302 DETAILED PLAN - BUILDING 83 / 84 / 165
SCALE: 1" = 40'



N 1 E5302 DETAILED PLAN - BUILDING 39
SCALE: 1" = 40'

ELECTRICAL DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CONDUCTORS FROM EXISTING 5 # C SWITCH BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
2. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES BETWEEN MANHOLES IN THEIR ENTIRETY; EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
3. DISCONNECT EXISTING MEDIUM VOLTAGE CONDUCTORS FROM BUILDING 4 TRANSFORMER AND REMOVE BACK TO MANHOLE SPLICE. EXISTING CONDUIT SHALL BE ABANDONED IN PLACE. THE EXISTING TRANSFORMER SHALL BE CAREFULLY REMOVED AND RELOCATED.
4. DISCONNECT AND REMOVE EXISTING SECONDARY CONDUCTORS FROM BUILDING 4 TRANSFORMER TO MDP-4. EXISTING CONDUIT SHALL BE CUT OFF BELOW GRADE AND PREPPED FOR RE-USE. SEE ELECTRICAL PLAN NOTES # 13 FOR ADDITIONAL WORK.
5. DISCONNECT AND REMOVE EXISTING MEDIUM VOLTAGE CABLES FROM MEDIUM VOLTAGE SWITCHGEAR TO MANHOLE5. EXISTING CONDUIT SHALL REMAIN ABANDONED IN PLACE.
6. DISCONNECT AND REMOVE EXISTING PRIMARY SIDE MEDIUM VOLTAGE CONDUCTORS FROM EXISTING TRANSFORMER BACK TO MANHOLE SPLICE. SEE NOTE #7 FOR ADDITIONAL WORK.
7. EXCAVATE AT EXISTING TRANSFORMER, EXPOSING EXISTING PRIMARY SIDE CONDUIT. CUT EXISTING CONDUIT AND RE-ROUTE TO NEW S4C SWITCH. SEE NEW ELECTRICAL PLAN NOTES FOR ADDITIONAL WORK.

ELECTRICAL PLAN NOTES

1. PROVIDE NEW SWITCH, S4C #933212R1 - MODEL 321 15.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN 15.5 KV 12.5 KA, 0 - 3-WAY TWO-HOLE GROUND PAD 15.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
2. PROVIDE NEW SWITCH, S4C #934222R1 - MODEL 422 15.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN 15.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD 15.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
3. PROVIDE NEW SWITCH, S4C #935232R1 - MODEL 523 15.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN 15.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD 15.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
4. PROVIDE NEW SWITCH, S4C #936243R1 - MODEL 624 15.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN 15.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD 15.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
5. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO EXISTING 5 # C SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET E5302. AT NEW 5 # C SWITCH, CONDUIT SHALL STUB UP ABOVE GRADE, LB INTO SIDE OF EXISTING 5 # C SWITCH AND CABLES SHALL BE TERMINATED IN SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
6. PROVIDE NEW MV CABLES IN DUCT BANK AS SHOWN IN DETAILS ON SHEET EJ500.
7. PROVIDE NEW PME-6 MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
8. INSTALL TRANSFORMER, PURNISHED BY THE VA. TRANSFORMER SHALL BE INSTALLED ON CONCRETE PAD WHICH EXTENDS 6' BEYOND FACE OF EQUIPMENT ON ALL SIDES. SEE DETAIL ON SHEET EJ500. PROVIDE MV CIRCUIT FROM S4C SWITCH TO TRANSFORMER.
9. PROVIDE NEW SWITCH, S4C # 936338R1 - MODEL 633 15.5 KV - 12.5 KA VISTA UDS BASE CATALOG NUMBER P4 - R1 STYLE 3 / 4-WAY MILD STEEL PAD MOUNTED ENCLOSURE - OLIVE GREEN 15.5 KV 12.5 KA, 0 - 3-WAY TWO HOLE GROUND PAD 15.5 KV, W3 - R1 STYLE 12.5 KA 3 / 4-WAY 12 INCH BASE SPACER MILD STEEL FOR .P4 -P9 PAD-MOUNTED ENCLOSURES WITH INTEGRAL TANK ELEVATING SUPPORTS.
10. PROVIDE NEW MV CABLE FROM EXISTING MV SWITCH LOCATED IN BUILDING 141. TYPICAL OF (4) FOUR CABLES SHALL BE ROUTED TO NEW SWITCHES AS SHOWN IN ELECTRICAL PLANS. SEE 10 / EJ500.
11. STUB OUT (1) 4" SPARE CONDUIT 5' FROM NEW VISTA SWITCH FOR FUTURE USE (VERIFY SPARE CONDUIT PATH WITH COR PRIOR TO PROCEEDING). CAP END OF CONDUIT.
12. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM MDP-B BACK TO BREAKER IN BUILDING 9. EXISTING CONDUITS SHALL BE CUT 10 OUTSIDE OF BUILDING AND PROTECTED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE FROM NEW PAD-MOUNT TRANSFORMER FOR BUILDING 8 TO MDP-B. CIRCUIT SHALL BE (2)-#4/350KCMIL, I#3/OG. CONNECT NEW CONDUITS FROM TRANSFORMER TO EXISTING CONDUIT ENTERING BUILDING.
13. PROVIDE NEW SERVICE ENTRANCE FROM NEW BUILDING 4 TRANSFORMER TO MDP-4. CIRCUIT SHALL BE (2) 4# 350KCMIL, I#3/OG, 3" CONDUIT. NEW CONDUIT SHALL BE COUPLED WITH EXISTING CONDUIT. EXISTING CONDUIT SHALL BE CLEANED THOROUGHLY PRIOR TO RE-USE. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.
14. DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE CONDUCTORS FROM BUILDING 11 PANEL B BACK TO BUILDING 12. EXISTING CONDUIT SHALL BE CUT 5' (FIVE FEET) OUTSIDE OF BUILDING 11 AND PREPPED FOR RE-USE. PROVIDE NEW SERVICE ENTRANCE CONDUCTORS FROM RELOCATED BUILDING 11 TRANSFORMER. CONDUCTORS SHALL BE -#4/350KCMIL, 1#2/G, 3"C. CONDUIT SHALL BE COUPLED WITH EXISTING BUILDING 11 CONDUIT. TERMINATE CONDUCTORS IN PANEL B IN BUILDING 11.
15. PROVIDE NEW MV CABLE FROM SECONDARY OF PME SWITCH TO BUILDING 82 TRANSFORMER. PROVIDE NEW CONDUIT FROM PME SWITCH TO EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO PRIMARY SIDE OF BUILDING 82 TRANSFORMER. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY. TERMINATE AND TEST ALL CABLES AND PREPARE EXISTING CONDUIT AS REQUIRED IN SPECIFICATIONS.
16. UNDERGROUND JACK AND BORE LOCATION. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
17. LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND OR ASPHALT AND OR GRAVEL. SEE CIVIL DRAWINGS AND SPECIFICATIONS.
18. PROVIDE NEW MV CIRCUIT FROM SECONDARY OF PME SWITCH TO MV SWITCH IN LOWER LEVEL OF BUILDING 39. PROVIDE NEW CONDUIT, ENTERING EXISTING MANHOLE AND THEN RE-USE EXISTING CONDUIT FROM MANHOLE INTO MV SWITCH. EXISTING MV CABLE SHALL BE REMOVED IN ITS ENTIRETY.
19. PROVIDE NEW MEDIUM VOLTAGE CABLES FROM NEW VISTA SWITCHES TO NEW 5 # C SWITCH. ALL CABLES SHALL BE RUN IN DUCT BANK AS SHOWN ON SHEET E5302. MAKE ALL TERMINATIONS IN SWITCH AND TEST PER SPECIFICATIONS.
20. PROVIDE NEW PME-10 MEDIUM VOLTAGE SWITCH ON CONCRETE PAD AS SHOWN IN DETAIL ON SHEET EJ500. PROVIDE MEDIUM VOLTAGE CIRCUITS AS INDICATED ON PLANS FROM VISTA SWITCHES AND PROVIDE MEDIUM VOLTAGE CIRCUIT FROM PME SWITCH TO TRANSFORMER OR SWITCH AS INDICATED ON PLANS.
21. PROVIDE MV CIRCUIT FROM NEW PME-6 MEDIUM VOLTAGE SWITCH AS SHOWN TO EXISTING BUILDING 7 MEDIUM VOLTAGE SWITCH. CAREFULLY EXCAVATE AROUND EXISTING SWITCH, INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW PME SWITCH. MAKE ALL TERMINATIONS AND TEST AS PER SPECIFICATIONS.

GENERAL NOTE:
ALL UTILITIES AND SITE OBJECTS ARE NOT SHOWN ON E-SERIES AND CIVIL SHEETS. CONTRACTOR SHALL REFERENCE V-SERIES SHEETS (V1.2 - V3.6) PLAN SURVEY AND UTILITY SURVEY FOR REFERENCE.

LEGEND

- X1 X2 X3 — EXISTING TRANSFORMER, SWITCH, COMBO T / S
- T S — NEW TRANSFORMER, SWITCH
- VISTA — NEW VISTA SWITCH
- S & C — NEW 5 # C SWITCH
- ELEC-E — EXISTING DISTRIBUTION LOOP
- NEW PRIMARY DISTRIBUTION LOOP
- NEW SECONDARY DISTRIBUTION LOOP
- LOCATION OF UNDERGROUND JACK AND BORE. SEE CIVIL DRAWINGS.
- LOCATION OF SAWCUT OR REMOVAL OF PAVEMENT AND / OR ASPHALT. SEE CIVIL DRAWINGS.

NOTE
SEE EJ500 FOR DUCT BANK DETAILS.
SEE CIVIL FOR ADDITIONAL INFORMATION.

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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VIRIDIAN ARCHITECTURAL DESIGN INC.

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STATE OF MICHIGAN — JAMES HYDE — ENGINEER — No. 6201059673 — LICENSED PROFESSIONAL ENGINEER

STAMP

STATE OF MICHIGAN — TERRY W THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	ELECTRICAL-SITE-PLAN-DETAILS
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Location	Battle Creek, Michigan
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
Drawing Number	ES302
	43 OF 45

VA FORM 08-6231

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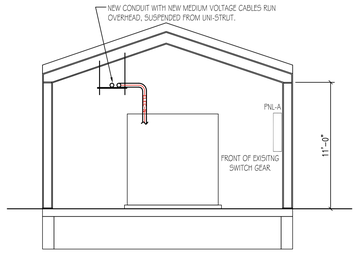
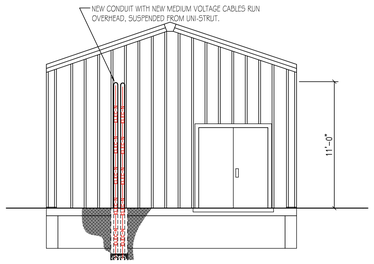


12 / EJ500 SECTION - BUILDING 141
SCALE 1/8" = 1'-0"



11 / EJ500 NORTH ELEVATION - BUILDING 141
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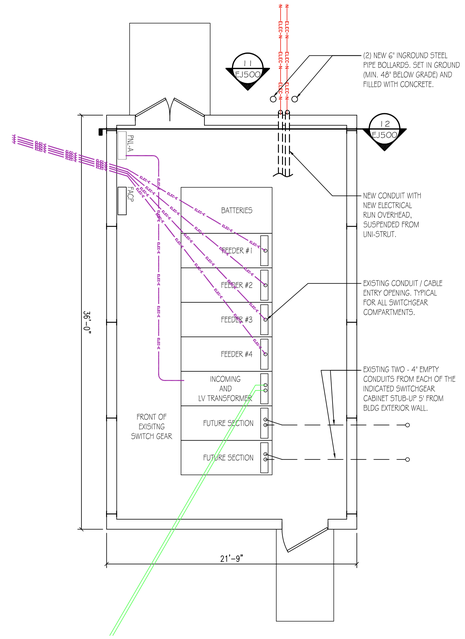

10 / EJ500 PLAN - BUILDING 141
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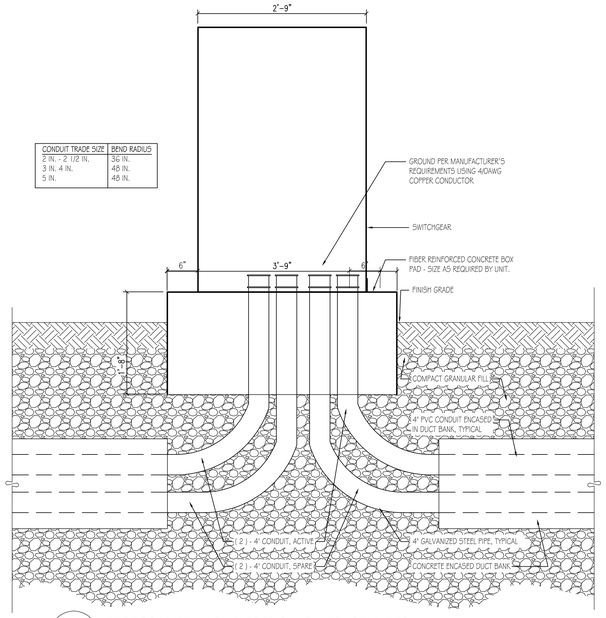
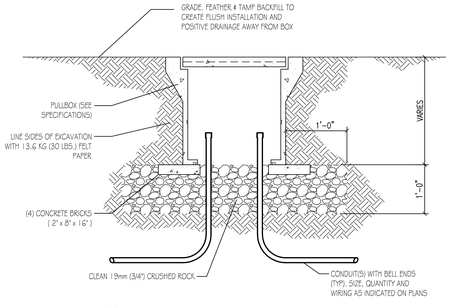


6 / EJ500 PROPOSED PRIMARY ELECTRICAL SWITCHGEAR DETAIL
SCALE: 1" = 1'-0"



7 / EJ500 UNDERGROUND CONCRETE PULLBOX
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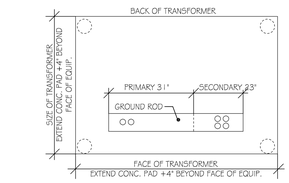
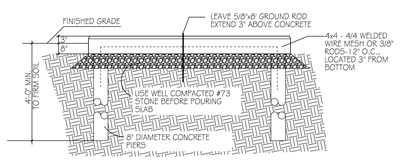
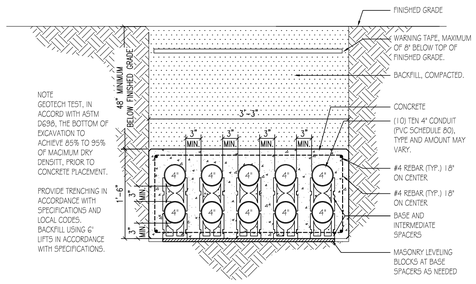


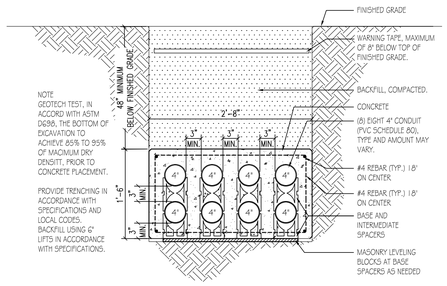
8 / EJ500 PLAN - CONCRETE TRANSFORMER PAD
FOR REFERENCE



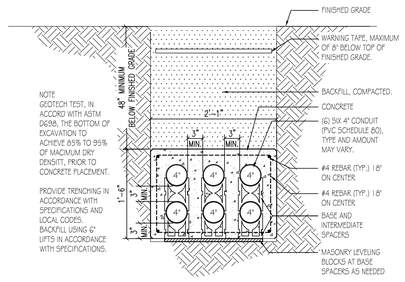
9 / EJ500 SECTION - CONCRETE TRANSFORMER PAD
FOR REFERENCE



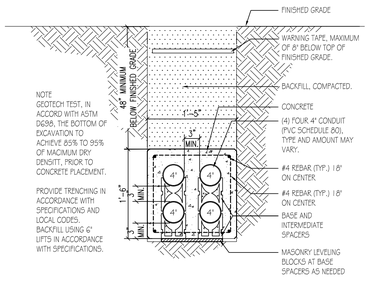
5 / EJ500 10-WAY CONCRETE DUCTBANK DETAIL
SCALE: 1" = 1'-0"



4 / EJ500 8-WAY CONCRETE DUCTBANK DETAIL
SCALE: 1" = 1'-0"



3 / EJ500 6-WAY CONCRETE DUCTBANK DETAIL
SCALE: 1" = 1'-0"



2 / EJ500 4-WAY CONCRETE DUCTBANK DETAIL
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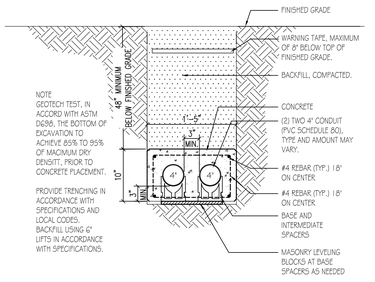

1 / EJ500 2-WAY CONCRETE DUCTBANK DETAIL
SCALE: 1" = 1'-0"

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

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STATE OF MICHIGAN — TERRY W THORNSBURY — ARCHITECT — No. 1301059647 — LICENSED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SITE-DETAILS-DUCT-BANK-AND EQUIPMENT-AND-BLDG-141-DETAILS
Phase	FINAL BID DOCUMENT
Approved: Project Director	
Project Title	UPGRADE PRIMARY ELECTRICAL LOOP SERVICE
Project Number	515-15-117
Building Number	
Location	Battle Creek, Michigan
Drawing Number	EJ500
Issue Date	01/19/2026
Checked	TWT, JH
Drawn	LF
	44 OF 45

Z:\Viridian\Projects\2022\0516\02 DRAWINGS\AUTOCAD\515-15-117 EJ500 Site Details.dwg 1-19-26 12:24:40 PM lfedorczyk

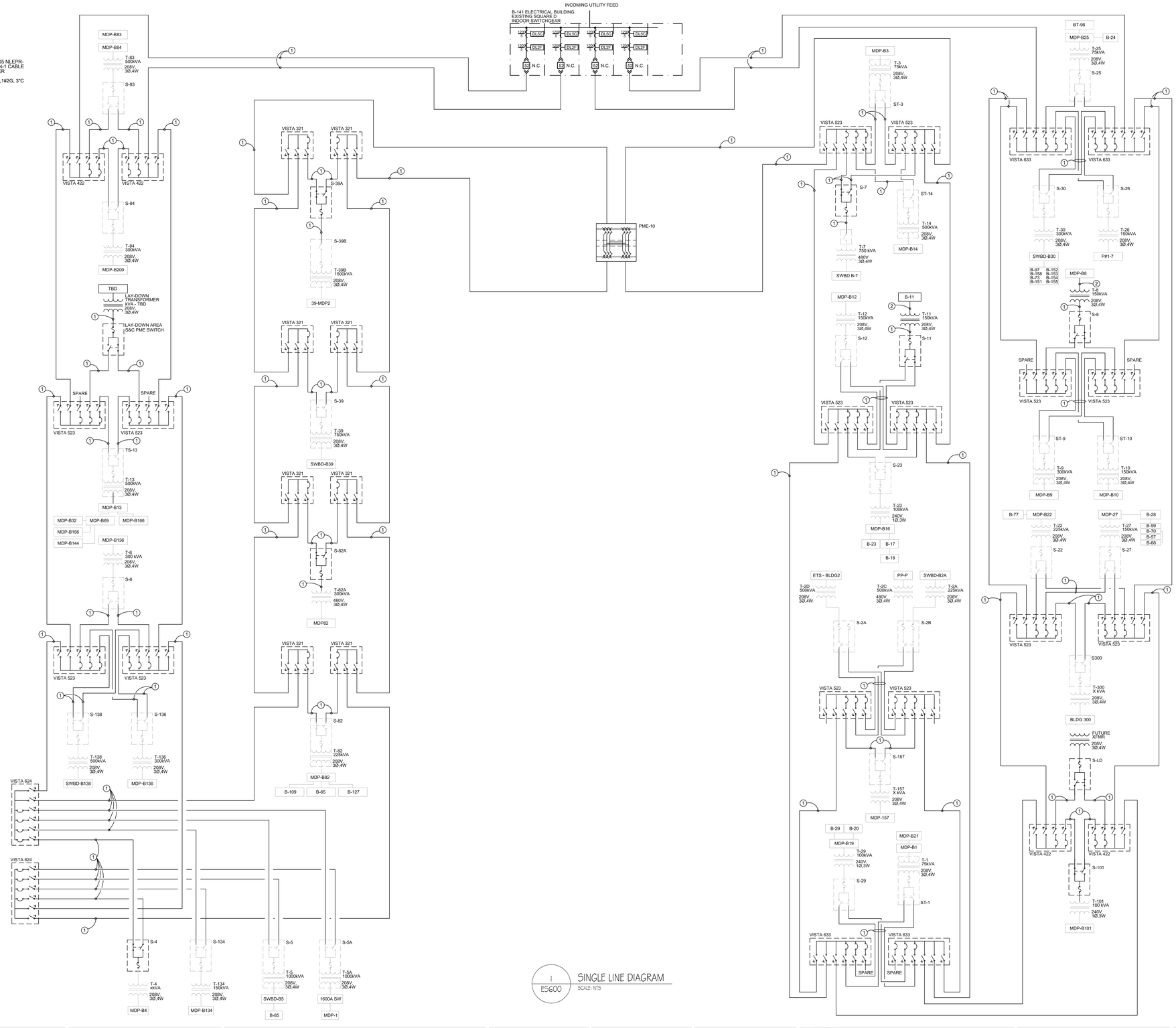
VA FORM 08-6231

LEGEND

EXISTING:

NEW:

1. 15kV, 133% MV105 NLEPR-INSULATION, 3-IN-1 CABLE #350kcmil COPPER
2. 600V, 4#350kcmil,1#2G, 3"C



1 E5600 SINGLE LINE DIAGRAM
SCALE: NTS

Revisions:	Date:

ARCHITECT/ENGINEER OF RECORD

A/E:
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SINGLE-LINE-DIAGRAM	Phase: FINAL BID DOCUMENT
Approved: Project Director	

Project Title: UPGRADE PRIMARY ELECTRICAL LOOP SERVICE	Project Number: 515-15-117
	Building Number:
Location: Battle Creek, Michigan	Drawing Number: EJ600 45 OF 45
Issue Date: 01/19/2026	Checked: TWT, JH — Drawn: LF

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