

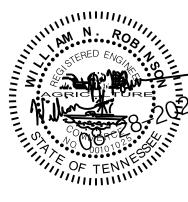
GEORGE ARMOUR EWART ARCHITECT

404 Bearden Park Circle Knoxville, TN 37919 865.602.7771 Fax 865.602.7742 www.georgeewart.com

A NEW BUILDING FOR

R P E R C O L L I S I O I

MURDOCK DRIVE
KNOX COUNTY, TN



ite I avout Plan

DATE: 12 SEPT 2022
PROJECT NO.: 22056
PROJECT MGR.: STUART
REV: 31 JUL 2023

C1.2

TTCDA - LANDSCAPE REQUIREMENT NOTES

3.1.4 In order to provide year-round greenery, at least 25% of newly planted or conserved trees should be evergreen. - 63 trees proposed - 35 evergreen = 56%

3.1.5 When planting trees on a development site, a roughly equal combination of large, medium and small trees (see Appendix B) should be planted, with at least 10 large maturing trees per acre of yard space.

- 3.1 acres * 10 = 31 trees (note: calculation does not include undisturbed portion of site)

- 32 large trees proposed - 23 medium trees proposed - 8 small trees proposed

3.1.8 The required front yard for a 1-, 2- or 3-story building with no parking in front shall be landscaped. A minimum 20-foot landscaped yard shall be placed between the right-of-way and a parking area in front of a building. - landscape yard provided

3.2.1 The arrival areas should be landscaped to make an introductory statement about each site. - landscape provided at driveway entrance and front of building

3.2.2 Landscaping should be used to accentuate entryways to the site and the building(s) and to provide areas of shade - all entry areas landscaped, shade provided where adequate room for tree growth is available

3.3.2 Entrances into buildings should be accented by plantings.

- all entry areas landscaped

3.3.3 Areas around buildings equal to 50% of the area of each front and side elevation shall be planted with ornamental trees, shrubbery and bedding plants (see Appendix B).

Side Elevation = 5.625

- Front Elevation = 5.000 Side Elevation = 5.625 - Total Front and Side Elevations = 16.250

Required Square Footage of Landscape = 8,125

Total Proposed Landscape Beds = 8,516 square feet

3.3.4 Minimize shading of south-facing facades in winter; maximize shading of south-facing facades in summer. - trees proposed near south facade

3.3.5 Landscaping should buffer the building from the microclimate of the parking area. - trees proposed around parking and drive aisles

3.3.6 Landscaping should be used to screen mechanical equipment or other unsightly exterior building elements. - landscape proposed

3.4.1 Parking areas should be screened from public rights-of-way by landscaped berms, low level shrubbery or a combination of the

3.4.2 If surface parking is necessary, existing trees both upslope and downslope should be conserved for environmental and aesthetic purposes. In cases where existing vegetation cannot be saved, or does not exist, medium and large maturing canopy trees should be planted between parking areas.

- trees proposed near all parking areas

- landscape proposed

3.4.3 Trees shall be required at the rate of one (1) medium or large maturing canopy tree for every ten parking spaces provided. - 145 parking space proposed, 15 trees required, 32 large trees proposed

3.4.4 In addition to the planting of required canopy trees, planting areas for ornamental trees, shrubbery and bedding plants shall be no less than five (5) percent of the surface area devoted to parking. - Total Parking Lot and Vehicular Use Area = 59,521 square feet

- Total Landscape Bed Area = 8,516 square feet

3.4.5 Medium and large maturing canopy and ornamental trees may be chosen from the recommended species list in Appendix B.

3.3.6 Mature trees that are preserved within eight feet of the parking area may be used to satisfy up to 50% of the required number of canopy trees, as described in (a) above. In all other respects, however, the number of trees and other plantings required for parking areas shall be in addition to those required under Section 3.1. - N/A, no trees preserved

3.3.7 Required canopy trees shall be located within the parking areas as terminal islands, interior islands, interior wells, medians, traffic delineators, between rows of parking spaces, or in planting areas adjacent to buildings in a manner such that no parking space is located more than sixty (60) feet from the trunk of a large canopy tree. - trees proposed within 60' of all parking spaces

3.3.8 Interior islands at the rate of one for every 200 feet of parking shall be installed to break up long rows of parking stalls.



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PRIME CONSTRUCTION PRIME Construction

306 Westfield Drive Knoxville, TN 37919 (865) 679-2126

Beasley Final Logo Black.png

Patrick Beasley 865.441.4428 patrick@beasleyla.com



28 MAR 2022 TTCDA (5-C-22-TOB) PC (5-E-22-UR)

PLANTING NOTES:

- 1. Contractor's base bid to include all materials, labor, permits, equipment, tools, insurance, etc. to perform the work as described in the contract documents.
- 2. Contractor to provide allowance for soil ammendments, percolation tests, soil tests, mulch and irrigation.
- 3. Irrigation system to be drip unless otherwise noted and approved. 4. Contractor to complete work within schedule established by owner.
- 5. Contractor to provide one year warranty for all plant material from date of substantial completion.
- 6. Contractor to provide interim maintenance (watering, pruning, fertilizing, guying, mowing, trimming, adequate drainage of ponding areas, edging, weeding, mulching, application of insecticides/herbicides,
- and general landscape clean-up) until substantial completion notice is provided by the owner or landscape architect. 7. The contractor shall locate and verify all existing utilities prior to planting and report any conflicts to the landscape architect. Perform work in compliance with all applicable laws, codes, and regulations
- required by authorities having jurisdiction over such work and provide for permits required by local authorities. 8. All plant material to be specimen quality as established by the American Association of Nurserymen, horticultural standards, latest edition. quality of the plant material to be judged by the landscape
- 9. Plant material to be free of disease, weeds and insect pests. Damaged plant material shall be rejected.
- 10. No planting shall take place until rough grade has been reviewed and approved by the landscape architect.
- 12. Test plant beds and plant pits for adequate drainage. Hardpan or moisture barriers shall be broken, or drain pipes to be installed to provide proper drainage of plant areas. Plant pits shall be excavated to the bottom of the pit. Fill each plant pit with water and observe the pit for 2 hours. If the water has not dissipated by 50% within 2 hours, notify landscape architect of such in writing before installing plants in
- 13. Trees shall be installed 3" above finish grade in hardpan areas to provide good drainage unless otherwise directed.
- 14. Groundcover and shrub mass beds shall be cultivated to a depth of 12 inches below grade to break through compacted or hardpan soil. Remove all stones, roots, and weeds. Add specified soil amendments and fertilizer. Install plants, edge bed area, mulch and water thoroughly.
- 15. Set all plants plumb and turned so that the most attractive side is viewed.
- 16. Plants shall be measured to their main structure, not tip to tip of branches.
- 17. Tree pit and shrub pit to be twice the size of the root mass. Fill with plant mix.
- 20. All tree scars over 1 -1/2" shall be rejected and tree to be replaced.

- architect. Inferior plant material to be rejected.
- 11. Planting plans may need to be adjusted in the field. Contractor to coordinate layout of plant material with landscape architect for on site approval prior to installation.
- the questionable area. Otherwise contractor shall be held liable for plants.
- 18. Broken root balls for trees shall be rejected. Contractor to check root balls and expose rootflares to check for root girdling. Do not assume the rootflare is exposed upon purchase from the nursery. 19. Any plant materials shipped to site in uncovered vehicles/ trailer shall be rejected regardless of season.
- 21. All shrubs to be dense and full. All trees to have a symmetrical growth habit (360 degrees) unless uncharacteristic to plant type or otherwise noted on plans.
- 22. Remove all excess growth of trees and shrubs as directed by landscape architect. Do not cut central leader. 23. If rootball is wrapped in non-biodegradeable burlap, remove entire wrap after placed in pit.

Qnty **Botanical Name** Common Name Size Deciduous Trees Red Maple Acer rubrum central leader, full and dense Redbud central leader, full and dense Cercis canadensis central leader, full and dense Quercus phellos Willow Oak 2" cal. central leader, full and dense 2" cal. Ulmus parvifolia Lacebark Elm Evergreen Trees central leader, full and dense Ilex x attenuata Foster Holly central leader, full and dense Ilex x 'Nellie R. Stevens' Nellie R. Stevens Holly 6' hgt. central leader, full and well branched Magnolia grandiflora 'Brackens Brown Beauty'Bracken's Brown Magnolia 6' hgt. Pinus taeda Lobiolly 6' hgt. central leader, full and well branched Deciduous Shrubs Clethra alnifolia Sweet Pepperbush 3 gallon full and dense 11 Annabelle Hydrangea Hydrangea arborescens 'Annabelle' 3 gallon full and dense 10 Hydrangea panniculata 'Jame' Little Lime Hydrangea 3 gallon full and dense Evergreen Shrubs Abelia Rose Creek Abelia full and dense 3 gallon 15 3 gallon full and dense Cleyera japonica Cleyera 32 llex cornuta Carissa Holly 3 gallon full and dense Ilex glabra Inkberry Holly 3 gallon full and dense 20 Rosa hybrida Pink Drift Rose full and dense 3 gallon 54 Taxus x media 'Densiformis' Densiformis Yew full and dense 3 gallon

Cassian Pennisetum

3 gallon full and dense

PLANTING LEGEND:

102

Pennisetum alopecuroides

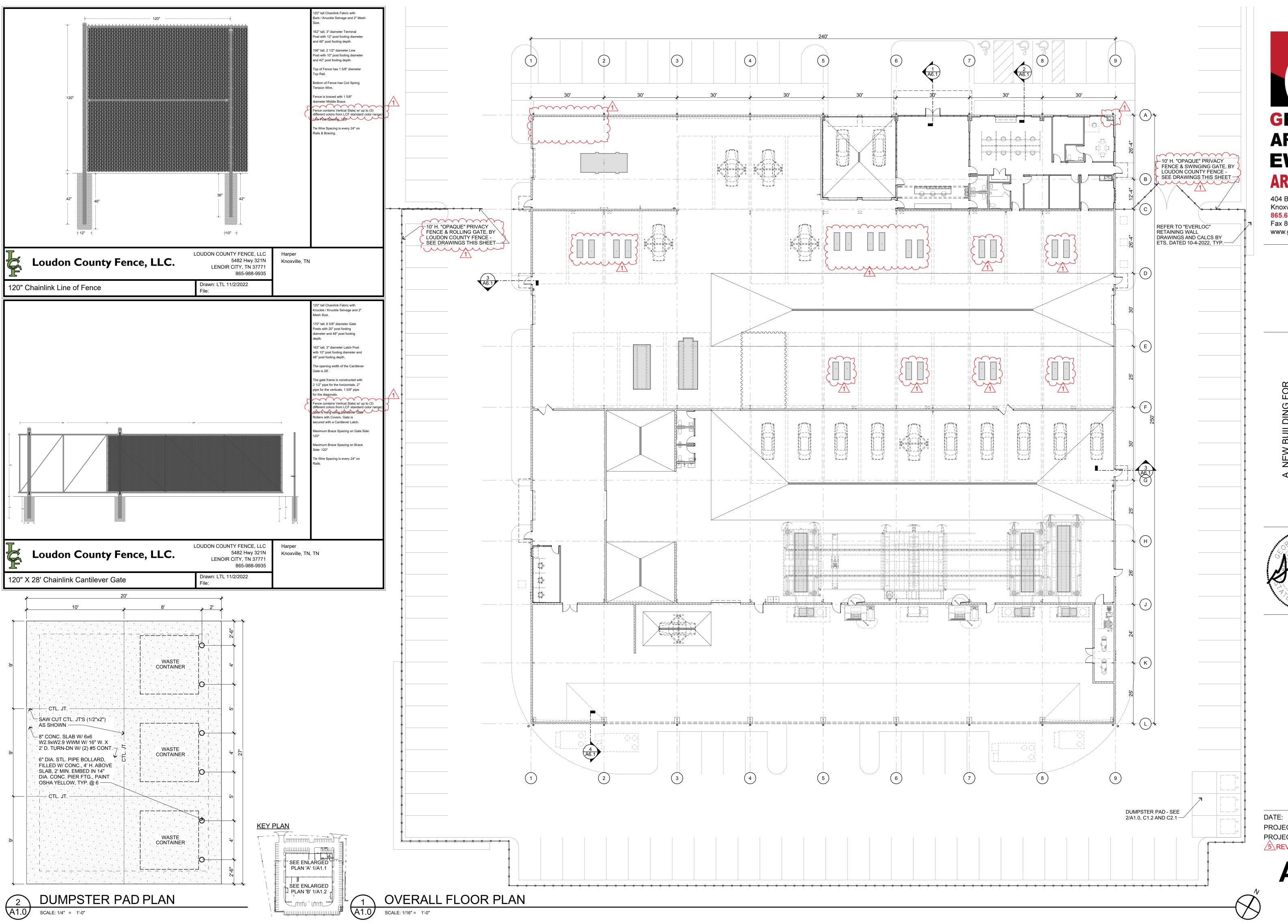
Note: all parking lot islands and areas around parking lot to be turf

- This landscape plan is designed to meet minimum TTCDA landscape requirements only.

- All HVAC units shall be screened with vegetation as per TTCDA landscaping ordinance. Location and screening material TBD.

> REV #1: 11 JULY 2022 Updated Site Plan, revised tree locations and shrub count REV #2: 20 JULY 2022 Relocated plantings from east, south, and west facades to perimeter of parking lot

> > 28 MAR 2020 PROJECT NO.: 22044 PROJECT MGR.: STUART



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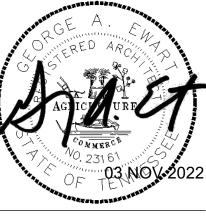
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A NEW BUILDING FOR

R P E R C O L L I S I O N

10542 MURDOCK DRIVE
KNOX COUNTY, TN 37932

FILES #9-B-23-TOA & #5-C-22-TO

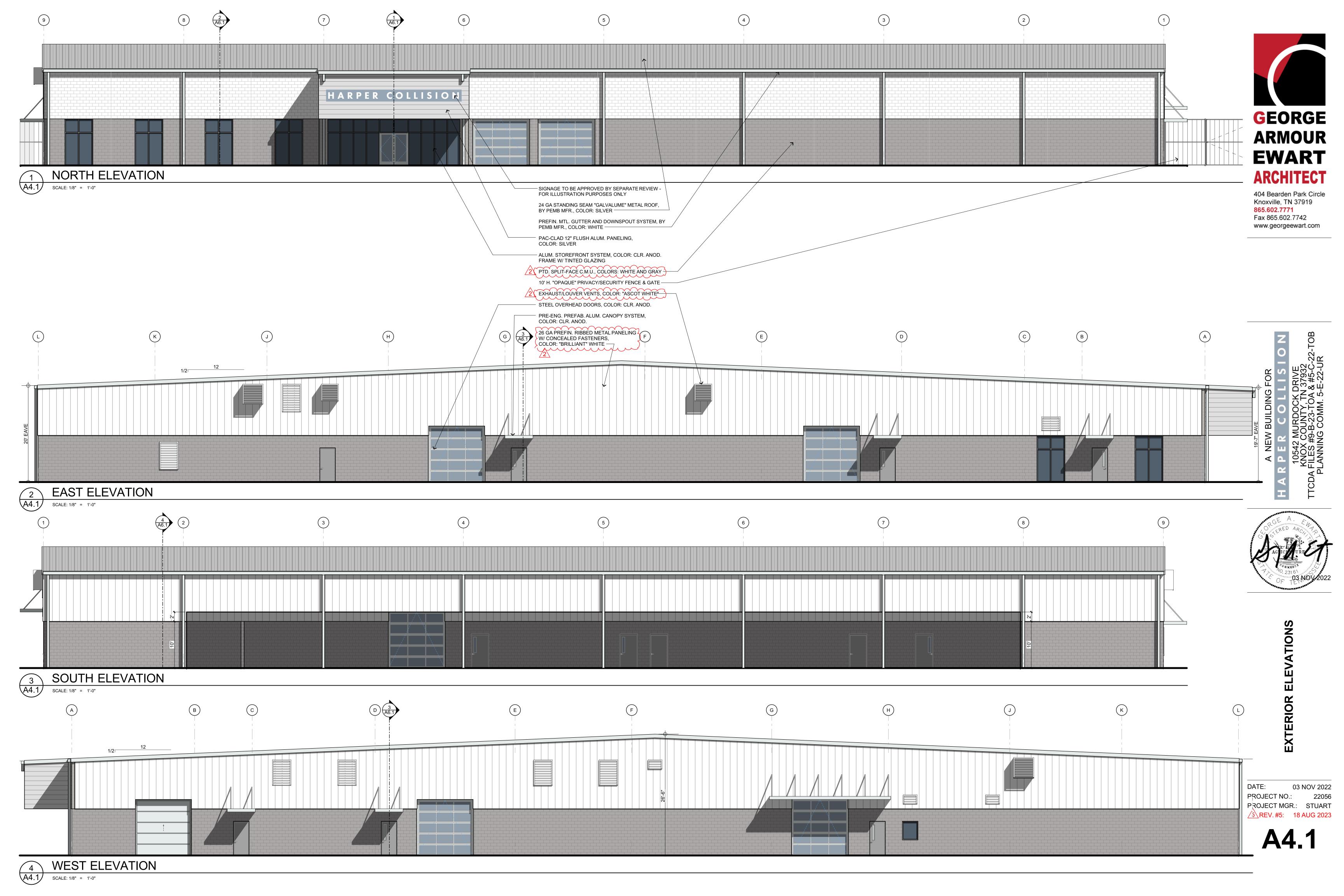


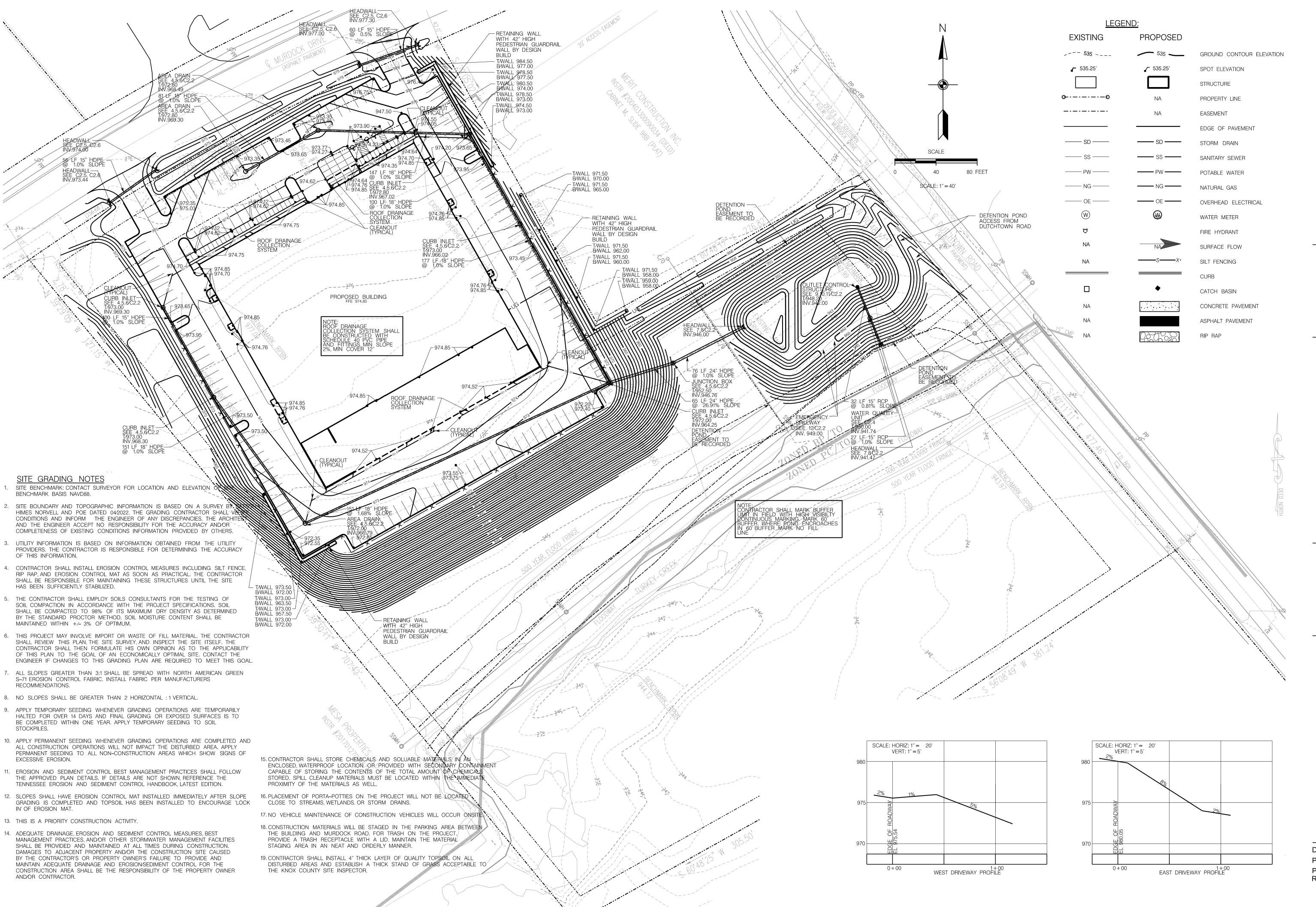
VERALL FLOOR PLAN 8 SITE DETAILS

DATE: 03 NOV 2022
PROJECT NO.: 22056
PROJECT MGR.: STUART

5 REV. #5: 18 AUG 2023

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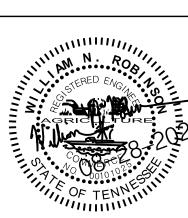
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A NEW BUILDING FOR

R P E R C O L L I S I O N

MURDOCK DRIVE



Site Grading Plan

DATE: 12 SEPT 2022
PROJECT NO.: 22056
PROJECT MGR.: STUART
REV: 31 JUL 2023

ELECTRICAL NOTES

- 1. SCOPE: FURNISH PLANT, LABOR, MATERIAL, SERVICES, AND EQUIPMENT NECESSARY FOR AND REASONABLY INCIDENTAL TO THE INSTALLATION OF ELECTRICAL FACILITIES SHOWN ON THE DRAWINGS AND CALLED FOR HEREINAFTER.
- 2. CODES AND PERMITS: SECURE NECESSARY PERMITS, PAY NECESSARY FEES, CONFORM TO THE NATIONAL ELECTRICAL CODE AND ALL STATE/ LOCAL CODES.
- 3. SERVICE: SERVICE SHALL BE TAKEN FROM UTILITY COMPANY'S PAD MOUNTED TRANSFORMER AT 277/480-VOLTS, 3-PHASE, 4-WIRE AS NOTED ON DRAWINGS. COORDINATE WITH LCUB AND PAY ALL AID TO CONSTRUCTION COSTS REQUIRED FOR NEW ELECTRICAL SERVICE.
- 4. CONDUITS AND WIRING: ALL AC VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL CONDUITS RAN ABOVE GRADE INSIDE THE BUILDING SHALL BE ELECTRIC-METALLIC TUBING (EMT). EXPOSED CONDUITS ON THE EXTERIOR OF THE BUILDING OR BRANCH CIRCUITS RAN BELOW BUILDING SLAB SHALL BE SCHEDULE 40 PVC. PRIMARY AND SECONDARY CONDUITS RAN UNDERGROUND SHALL BE SCHEDULE 80 PVC. ALL CONDUITS SHALL BE RAN ABOVE LAY-IN CEILINGS WHERE POSSIBLE. WHERE EXPOSED, CONDUITS MUST BE RAN, CONDUITS RUNS SHALL BE GROUPED TOGETHER WHERE POSSIBLE EXPOSED CONDUITS WIRING SHALL BE RAN PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE NO DIAGONAL EXPOSED RUNS WILL BE PERMITTED. PROVIDE COLOR CODING OF CONDUCTORS IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. ALL NEW UNDERGROUND PRIMARY, SECONDARY, FEEDER AND BRANCH WIRING INSTALLED UNDERGROUND SHALL BE LOCATED MINIMUM OF 24" BELOW FINISHED GRADE.
- A. MINIMUM SIZE CONDUIT SHALL BE 1/2".
- B. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE STRANDED COPPER. MINIMUM CONDUCTOR SIZE SHALL BE NO. 12 FOR ALL AC VOLTAGE CIRCUITS.
- C. INSULATION SHALL BE "THHN/THWN". EACH PHASE CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. NEUTRALS SHALL NOT BE SHARED BETWEEN PHASES. INSULATION OF
- NEUTRAL CONDUCTOR. NEUTRALS SHALL $\underline{\text{NOT}}$ BE SHARED BETWEEN PHASES. INSULATION OF NEUTRAL CONDUCTOR SHALL HAVE A STRIPE OF SAME COLOR AS CORRESPONDING PHASE CONDUCTOR.
- D. SEAL ALL PENETRATIONS THROUGH RATED WALLS WITH A "UL" LISTED FIRESTOPPING SYSTEM.
 E. ALL FEEDER CONDUITS SHALL BE PROVIDED WITH GROUNDING BUSHINGS AT ALL POINTS
- WHERE CONDUITS CONNECT TO PANELBOARD ENCLOSURES, PULL BOXES, OR JUNCTION BOXES.

 F. METALLIC CONDUITS MUST BE UTILIZED FOR BRANCH CIRCUITS. EMT WITH COMPRESSION FITTINGS SHALL BE UTILIZED FOR ALL BRANCH CIRCUIT WIRING RAN IN WALLS OR OVERHEAD. SCHEDULE 40 PVC SHALL BE UTILIZED WHERE RAN IN OR BELOW FINISHED FLOOR. SCHEDULE 80 PVC SHALL BE USED FOR NEW ELECTRICAL SECONDARY.
- 5. LIGHTING FIXTURES: UNLESS NOTED OTHERWISE LIGHTING FIXTURES SHALL BE LIMITED TO THOSE SCHEDULED WHERE EQUAL PRODUCTS TO THOSE SPECIFIED ARE ALLOWED, ALTERNATE MANUFACTURERS MAY BE REQUIRED TO SUBMIT SAMPLES OF PROPOSED SUBSTITUTES FOR OWNER, ARCHITECT AND ENGINEER FOR REVIEW. THE OWNER, ARCHITECT, AND ENGINEER SHALL PROVIDE JUDGMENT CONCERNING EQUIVALENCY OF PROPOSED SUBSTITUTES. CONTRACTOR SHALL NOT ORDER ANY LIGHT FIXTURES OR EXIT SIGNS UNTIL FINAL APPROVAL HAS BEEN GIVEN IN WRITING FROM OWNER, ARCHITECT, ENGINEER.
- 6. WIRING DEVICES: ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE, 20-AMPERES, MINIMUM. COVERPLATES SHALL BE STAINLESS STEEL. COLOR OF WIRING DEVICES SHALL BE SELECTED BY THE ARCHITECT.
- 7. SAFETY SWITCHES: FURNISH AND INSTALL HEAVY-DUTY FUSIBLE TYPE SAFETY SWITCHES WHERE INDICATED ON DRAWINGS. SAFETY SWITCHES SHALL BE HEAVY-DUTY, HORSEPOWER RATED, QUICK-MAKE, QUICK-BREAK WITH ARC SHIELDS WITH ENCLOSED CONSTRUCTION. UNLESS NOTED OTHERWISE INSIDE THE BUILDING, SAFETY SWITCHES SHALL HAVE NEMA 1 ENCLOSURES. OUTSIDE THE BUILDING, SAFETY SWITCHES SHALL HAVE NEMA 3R ENCLOSURES. WHERE SAFETY SWITCHES ARE REQUIRED TO BE INSTALLED AWAY FROM WALLS, A SUITABLE SUPPORT WILL BE PROVIDED TO ALLOW THE SWITCH TO BE IN A POSITION OF APPROXIMATELY 4'-6" ABOVE FLOOR. WHERE NECESSARY, PROVIDE A STEEL FRAME ATTACHED TO FLOOR/GROUND. SWITCHES MAY BE MOUNTED ON EQUIPMENT WHERE SPECIFIC APPROVAL IS PROVIDED BY EQUIPMENT SUPPLIER. COORDINATE EXACT ROUGH-IN LOCATIONS OF SAFETY SWITCHES WITH HVAC/PLUMBING SUBCONTRACTOR PRIOR TO INSTALLATION. PROVIDE ENGRAVED NAMEPLATE ON EACH SAFETY SWITCH INDICATING EQUIPMENT IDENTIFICATION, AND SUPPLYING PANELBOARD INFORMATION.
- 8. PANELBOARDS: FURNISH AND INSTALL NEW PANELBOARDS WHERE INDICATED ON DRAWINGS DRAWINGS. NEW PANELBOARDS RATED GREATER THAN 225-AMPERS SHALL BE EQUAL TO SQUARE D COMPANY "I-LINE" SERIES. PANELS 200-AMPERE AND SMALLER SHALL BE EQUAL TO SQUARE D "NQOD" SERIES. ALL PANELBOARDS SHALL HAVE ALUMINUM BUSSING. CIRCUIT BREAKERS SHALL BE "BOLT-ON" TYPE, SWITCHING DUTY. EQUAL PRODUCTS MANUFACTURED BY EATON (CUTLER-HAMMER) WILL BE CONSIDERED.

INSTALLATION:

- INSTALLATION:

 A. SECURE SURFACE MOUNTED PANELBOARDS TO WALL USING 1/4" TOGGLE BOLTS, BOLTED TO MASONRY WALL. WHERE HOLLOW BLOCK WALLS DO NOT OCCUR, SUITABLE EXPANSION SHIELDS AND ANCHOR BOLTS SHALL BE UTILIZED. UNLESS DIRECTED OTHERWISE, PANELBOARDS SHALL BE MOUNTED TO HAVE THE TOP 6 FEET CLEAR ABOVE FINISHED FLOOR.
- B. THE DIRECTORIES WITHIN EACH PANELBOARD SHALL BE PROPERLY FILLED OUT, SO AS TO HAVE A COMPREHENSIVE UNDERSTANDING OF THE LOADS TO WHICH EACH CIRCUIT BREAKER IS CONNECTED. THEY SHALL BE FILLED OUT BY USE OF A TYPEWRITER. THIS SHALL INCLUDE ROOM NUMBER
- C. EXACT LOCATION OF PANELBOARD SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH BUILDING SYSTEMS / ELEMENTS AND MAINTAIN CODE REQUIRED CLEARANCES / WORKING SPACE.
- 9. JUNCTION AND WALL BOXES: UNLESS NOTED DIFFERENTLY ON DRAWINGS, FURNISH OUTLET BOXES FOR LIGHTING FIXTURES, WALL RECEPTACLES, SWITCHES AND OTHER DEVICES AS REQUIRED. WALL BOXES SHALL BE MINIMUM OF 4" HIGH BY 2-1/8" DEEP BY 2-1/8" WIDE. CEILING BOXES SHALL BE 4-INCH OCTAGON AND 2-1/8" DEEP. PROVIDE EXTENSION AND DEVICE RINGS AS REQUIRED.
- 10. GROUNDING: PROVIDE SERVICE GROUNDING FOR NEW POWER SERVICE AS INDICATED ON DRAWINGS AND AS CALLED FOR HEREINAFTER. SERVICE GROUNDING SHALL CONSIST OF THREE DRIVEN 5/8" X 10' LONG COPPERWELD GROUND RODS. GROUND RODS SHALL BE DRIVEN IN A TRIANGULAR MANNER WITH EACH GROUND ROD LOCATED 15' APART FROM EACH OTHER. BOND GROUND RODS TOGETHER IN A "CLOSED LOOP" ARRANGEMENT WITH A #4/0 AWG ALUMINUM GROUNDING CONDUCTOR. BONDING CONNECTIONS TO GROUND RODS SHALL BE BY CADWELD PROCESS. FROM THE GROUND RODS, EXTEND A #4/0 AWG ALUMINUM TO COLD WATER LINES AND BUILDING STEEL AND BOND THERETO.
- PROVIDE GROUNDING OF EQUIPMENT AND LOADS SERVED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE. PROVIDE A SEPARATE CODE-SIZED INSULATED GROUNDING CONDUCTOR IN ALL NEW FEEDER AND BRANCH CIRCUIT CONDUIT RUNS. SEPARATE GROUNDING CONDUCTOR IS GENERALLY NOT INDICATED ON DRAWINGS BUT SHALL BE REQUIRED.
- 11. COMMUNICATION SYSTEM RACEWAY FACILITY: FURNISH AND INSTALL A SYSTEM OF EMPTY CONDUIT AND BOXES FOR TELECOMMUNICATIONS (DATA AND VOICE) SYSTEMS. DATA/VOICE EQUIPMENT AND CABLING SHALL BE FURNISHED AND INSTALLED BY OWNER'S VENDOR / SUB-CONTRACTOR.
- PRIOR TO COMMENCING ROUGH-IN WORK FOR TELE-COMMUNICATIONS SYSTEMS, ELECTRICAL CONTRACTOR SHALL CONDUCT MEETING WITH OWNER'S TELE-COMMUNICATIONS SYSTEM VENDORS. ENTIRE INSTALLATION SHALL BE THOROUGHLY REVIEWED. ANY DISCREPANCIES BETWEEN CONTRACT ELECTRICAL DRAWINGS AND SYSTEMS REQUESTED BY OWNER'S TELE-COMMUNICATIONS VENDORS SHALL BE CALLED TO THE ATTENTION OF ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- 12. WIRING FOR HVAC EQUIPMENT: FURNISH AND INSTALL ALL POWER WIRING FOR HVAC EQUIPMENT. AT EACH ITEM OF EQUIPMENT, FURNISH AND INSTALL A HEAVY-DUTY FUSIBLE DISCONNECT SWITCH. FINAL CONNECTION TO MECHANICAL EQUIPMENT SHALL BE MADE USING LIQUID-TIGHT FLEXIBLE CONDUIT.
- 13. WIRING FOR SHOP/PAINT/SERVICE BAY EQUIPMENT: FURNISH AND INSTALL ALL WIRING TO SERVICE BAY EQUIPMENT AS REQUIRED. FINAL CONNECTION TO ALL EQUIPMENT SHALL BE COORDINATED WITH EQUIPMENT VENDORS ALL A LABOR AND MATERIAL ASSOCIATED WITH PROVIDING SERVICES TO SAID EQUIPMENT SHALL BE BE INCLUDED IN CONTRACTOR'S SCOPE AND INCLUDED IN CONTRACTOR'S BID PRICE.

14. CABLE TELEVISION: CONTRACTOR SHALL EXTEND CONDUIT AND RG6 CABLING FROM OUTLET BOX TO

``CTS'' AND FROM ``CTS'' TO MAIN CABLE TELEVISION SERVICE POINT. OWNER/TENANT SHALL CONTRACT

DIRECTLY WITH CABLE TV COMPANY FOR CABLE TV SERVICE.

15. FIRE ALARM:

GENERAL •

FIRE ALARM SYSTEM WITHIN THE BUILDING SHALL BE CENTRALLY MONITORED BY AND OFF-SITE SERVICE.

AUDIBLE NOTIFICATION WILL BE ACCOMPLISHED VIA AUDIBLE DEVICES / SPEAKERS POWERED FROM THE

BUILDING'S FIRE ALARM PANEL. VISUAL ALARM NOTIFICATION WILL BE PROVIDED VIA VISUAL STROBES IN ACCORDANCE WITH CODE REQUIREMENTS.

THE BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM. THE SPRINKLER SYSTEMS WILL BE MONITORED BY THE FIRE ALARM SYSTEM.

AREA SMOKE DETECTORS WILL BE INSTALLED IN STORAGE ROOMS AND SIMILAR SPACES IN ACCORDANCE WITH CODE.

DUCT-TYPE SMOKE DETECTORS WILL BE INSTALLED IN SUPPLY AND RETURN DUCTWORK AT EACH AIR HANDLING UNIT NOTED. SHUTDOWN OF HVAC SYSTEM SHALL BE ACCOMPLISHED IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72, NFPA 90A, AND FMC. MANUAL PULL STATIONS SHALL BE INSTALLED AT EXIT DOOR LOCATIONS,

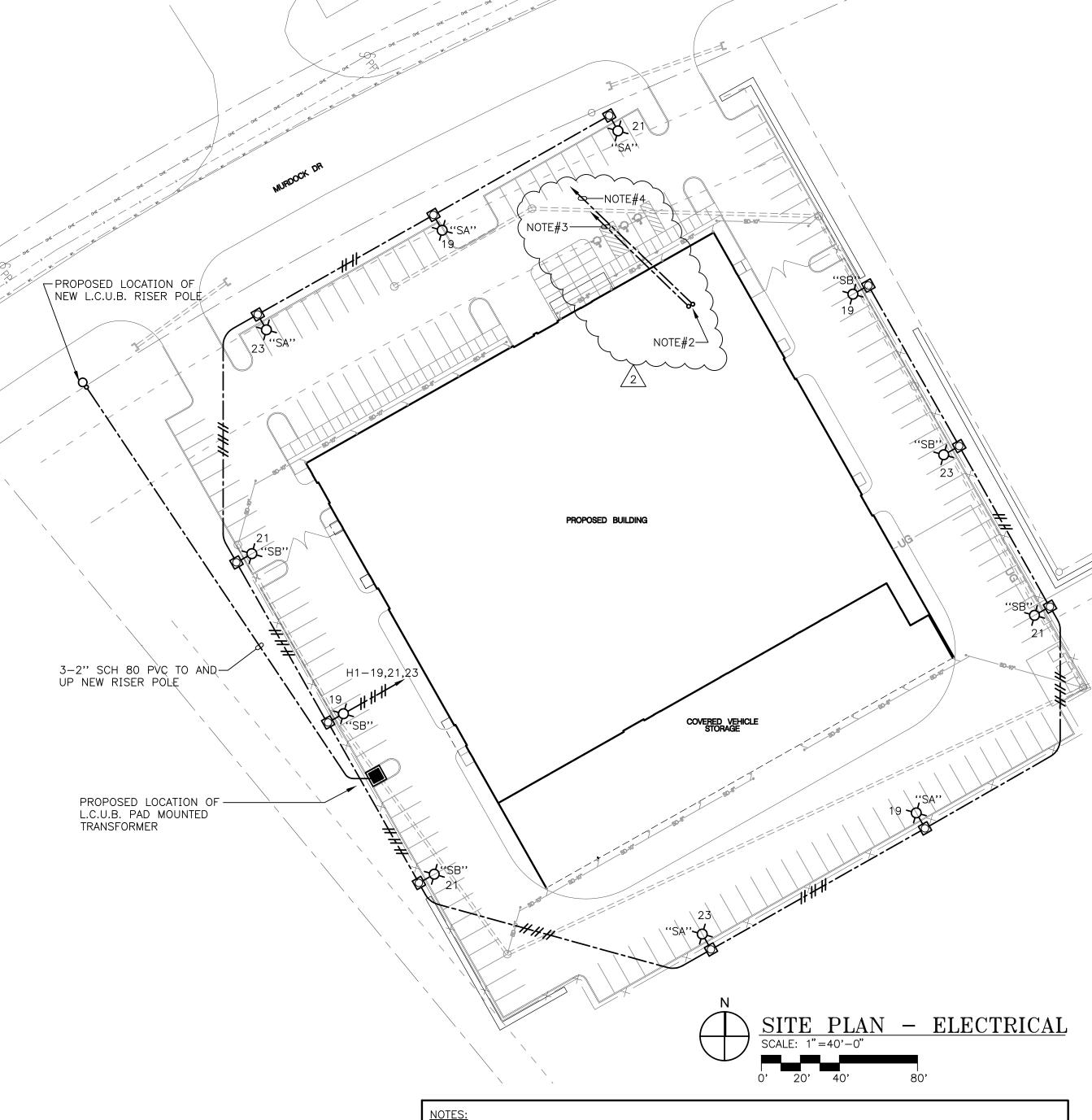
NFPA 90A, AND FMC. MANUAL PULL STATIONS SHALL BE INSTALLED AT EXIT DOOR LOCATIONS, NURSE STATIONS NURSE STATIONS AND ADDITIONAL LOCATIONS IN ACCORDANCE WITH CODE.

FIRE ALARM PANEL WILL PROVIDE PINPOINT LOCATION OF ALARM/TROUBLE CONDITION FOR EACH ADDRESSABLE ALARM INITIATION DEVICE IN THE SYSTEM. MULTIPLE NOTIFICATION EVACUATION SIGNAL ZONES SHALL BE PROVIDED IN EACH BUILDING. EACH FLOOR NOTIFICATION EVACUATION SIGNAL ZONES SHALL BE PROVIDED IN EACH BUILDING. EACH FLOOR IN EACH BUILDING SHALL BE ON A SEPARATE EVACUATION SIGNAL ZONE.

CONTRACTOR SHALL FURNISH PLANT, LABOR, MATERIAL, SERVICES, AND EQUIPMENT NECESSARY FOR AND REASONABLY INCIDENTAL TO THE INSTALLATION OF NEW SMOKE DETECTION AND VISUAL / AUDIBLE NOTIFICATION SYSTEM AS INDICATED ON THE DRAWINGS AND CALLED FOR HEREINAFTER. THE INTENT OF THIS PROJECT IS TO INSTALL A COMPLETELY ADDRESSABLE SYSTEM THAT IS NETWORKED BUILDING WIDE.

INSTALLATION AND EXECUTION:

- A. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE SYSTEM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, ALL APPLICABLE NATIONAL AND LOCAL CODES, UL WIRING CRITERIA, AND THE MANUFACTURER'S RECOMMENDATIONS. ALL WIRING SHALL BE COLOR CODED, TAGGED, AND CHECKED RECOMMENDATIONS. ALL WIRING SHALL BE COLOR CODED, TAGGED, AND CHECKED TO ASSURE THAT IT IS FREE FROM SHORTS AND GROUNDS.
- B. RECESSED JUNCTION BOXES SHALL BE INSTALLED IN WALLS FOR INSTALLATION OF DEVICES.
- D. ALL COMPONENTS SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. CONDUIT RUNS SHALL BE PARALLEL OR PERPENDICULAR TO EXISTING BUILDING STRUCTURAL ELEMENTS. NO DIAGONAL RUNS WILL BE PERMITTED.
- E. ALL JUNCTION BOXES AND CONDUIT RAN ABOVE LAY-IN CEILING SHALL BE SPRAY PAINTED RED AND LABELED "FIRE ALARM".
- F. THE FIRE ALARM CONTRACTOR MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT OF 1991, TCA TITLE 62, CHAPTER 32.
- G. THE COMPLETED SYSTEM SHALL BE FULLY TESTED BY THE CONTRACTOR AND THE MANUFACTURER'S NICET CERTIFIED TECHNICAL REPRESENTATIVE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. UPON COMPLETION OF A SUCCESSFUL TEST, THE CONTRACTOR SHALL SO VERIFY IN WRITING TO THE OWNER, ARCHITECT, AND GENERAL CONTRACTOR.
- H. NEW EQUIPMENT AND WIRING SHALL BE WARRANTED TO BE FREE FROM ELECTRICAL AND MECHANICAL DEFECTS FOR A PERIOD OF ONE YEAR COMMENCING WITH OCCUPANCY OF SPACE BY TENANT. WARRANTY SHALL INCLUDE ALL LABOR/ TRAVEL TIME AND MATERIAL/ PARTS.
- I. EACH INITIATION DEVICE SHALL BE AFFIXED WITH A MASTIC LABEL INDICATING IT'S ASSIGNED ADDRESS.
- 16. SHOP DRAWINGS AND SUBMITTALS: PROVIDE ELECTRONIC SUBMITTALS FOR REVIEW BY ARCHITECT AND ENGINEER. SUBMITTALS SHALL INCLUDE MANUFACTURER'S CUTSHEET WITH SPECIFIC MODEL NUMBERS IDENTIFIED AS THEY APPLY TO THIS PROJECT. SUBMITTALS SHALL INCLUDE LIGHTING FIXTURES, EXIT SIGN, LIGHTING CONTROLS, WIRING DEVICES, SWITCHGEAR, GENERATOR, TRANSFER SWITCH AND FIRE ALARM COMPONENTS. ALONG WITH CUTSHEETS, THE FIRE ALARM SUBMITTAL SHALL INCLUDE CAD DRAWINGS OF THE PROPOSED SYSTEM INCLUDING CONDUIT FOR NEW FIRE ALARM SYSTEM IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72. ALSO INCLUDED SHALL BE BATTERY CALCULATIONS FOR NEW FIRE ALARM SYSTEM IN ACCORDANCE WITH REQUIREMENTS OF NFPA 72.
- 17. GUARANTY: GUARANTEE ALL WORK TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE YEAR AFTER DATE OF FINAL ACCEPTANCE.



NOTES:

- 1. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SERVING SITE LIGHTING SHALL BE #10 AWG.
- 2. STUB CONDUITS UP THROUGH SLAB AT "CTS-U" IN UTILITY ROOM #108.
- 3. TELEPHONE SERVICE CONDUIT. EXTEND 4" SCHEDULE 40 PVC TO AND UP RISER POLE, VAULT, PEDESTAL LOCATION. COORDINATE EXACT TERMINATION LOCATION WITH TELEPHONE AND PAY ALL CHARGES TO TELEPHONE COMPANY AS REQUIRED. PROVIDE PULL STRING IN FULL LENGTH OF CONDUIT RUN.
- 4. CABLE TV / INTERNET SERVICE CONDUIT. EXTEND 4" SCHEDULE 40 PVC TO AND UP RISER POLE, VAULT, PEDESTAL LOCATION FOR CONNECTION OF CABLE TELEVISION BY OTHERS. PROVIDE PULL STRING IN FULL LENGTH OF CONDUIT. COORDINATE EXACT TERMINATION LOCATION WITH CABLE TV COMPANY AND WITH AND PAY ALL CHARGES TO CABLE TV COMPANY AS REQUIRED.

GEORGE ARMOUR EWART ARCHITECT

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SITE PLAN - FLECTRICA

DATE: 03 NOV 2022
PROJECT NO.: 22056
PROJECT MGR.:

2 REVISION #2 26 JUNE 2023

SE1.2