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ADDENDUM NO. 1

Date:	August 28, 2026
Project Name:	North Fork WWTP
Owner:	City of Liberty Hill
Garver Project No:	W07-2401219

This addendum shall be a part of the Plans, Contract Documents and Specifications to the same extent as though it were originally included therein, and it shall supersede anything contained in the Plans, Contract Documents, and Specifications with which it might conflict. This addendum, including all attachments, shall become part of the Contract and all provisions of the Contract shall apply thereto. The time provided for completion of the Contract has not been changed as noted in this addendum. Acknowledgement of receipt of this addendum must be noted in the appropriate section of the Bid Form and included with the Contract Documents.

A. SPECIFICATIONS – Volume 1 and Volume 2

1. Remove the following specifications sections in their entirety:
    a. 14 90 00 – Shaftless Screw Conveyor System
    b. 46 10 11 – Finger Weir Pans
2. Add the following specification section in its entirety, attached hereto:
    a. 40 66 13.1 – SCADA Network Configuration
3. Revise Section 00 21 00 – Instructions to Offerors as follows:
    a. Delete paragraph 24.02.B
4. Revise Section 00 41 00 – Proposal Form as follows:
    a. Delete paragraph 2.02 and replace with the following paragraph 2.02:
        1) The Project Approach shall be on 8-1/2” x 11” paper with 11” x 17” paper for exhibits. The approach shall be provided in both paper and digital, word-searchable PDF format.
5. Revise Section 00 45 13 – Qualifications Statement as follows:
    a. Revise paragraph 8.04 by deleting “…the last 5 years…” and replacing with “…the last 15 years…”
6. Revise Section 40 05 59 – Slide Gates
    a. Revise paragraph 2.1.C by adding “8. Golden Harvest”
7. Revise Section 40 05 59.16 – Aluminum Stop Logs as follows:
    a. Revise paragraph 2.1.B.4 by deleting “Or Approved Equal” and replacing with the following

4. Rodney Hunt Co.
5. Waterman Industries, Inc
6. Waco Products
7. RW Gate
8. Golden Harvest

6. Revise Section 40 05 36.13 – FRP Pipe and Accessories for Odor Control as follows:
   a. Add paragraph 1.4.A.f as follows:
      1) Perry Fiberglass Co.
7. Revise Section 44 31 31 – Bio-Trickling Filter Odor Control System as follows:
   a. Revise paragraph 2.2.A by deleting “Engineer Approved Equal” and replacing with the following:
      4. Perry Fiberglass
      5. Daniel Company

B. DRAWINGS - Volume 4

1. Remove the following drawings in their entirety, and replace with the same, attached hereto:
   a. 05-E101 – OVERALL ELECTRICAL SITE PLAN
   b. 05-E102 – ELECTRICAL BUILDING SITE PLAN – ENLARGED
   c. 05-E601 – DUCTBANK SCHEDULES
   d. 70-E101 – ADMINISTRATION UPPER POWER PLAN
   e. 90-E606 – LIGHTING FIXTURE SCHEDULE
   f. 95-T101 – SCADA ARCHITECTURE DIAGRAM
2. Revise Drawing 05-X101 – SITE DEMOLITION PLAN – OVERVIEW as follows: delete DEMOLITION KEYNOTE C
3. Revise Drawing 05-C107 – PROPOSED SITE AND PAVING PLAN – ENLARGED 4 as follows: delete callout “FLAGPOLE AND SIGN, SEE SHEETS 05-L107 AND 05-L106 FOR DETAILS” and replace with “FLAGPOLE AND SIGN, SEE SHEETS 05-L104 AND 05-L106 FOR DETAILS”

C. STANDARD DETAILS - Volume 5

1. Add the following standard detail in its entirety, attached hereto:
   a. D03 3000-905 – MAIN PLANT SIGN FOUNDATION
   b. D33 8100-001 – TYPICAL TOWER ANTENNA DETAIL

By: _____

Jeffrey D. Meadows, PE
Project Manager

08/28/2026

Attachments:

Specifications
40 66 13.1 – SCADA Network Configuration

Drawings
05-E101 – OVERALL ELECTRICAL SITE PLAN
05-E102 – ELECTRICAL BUILDING SITE PLAN - ENLARGED
05-E601 – DUCTBANK SCHEDULES
70-E101 – ADMINISTRATION UPPER POWER PLAN
90-E606 – LIGHTING FIXTURE SCHEDULE
95-T101 – SCADA ARCHITECTURE DIAGRAM

Standard Details
D03 3000-905 – MAIN PLANT SIGN FOUNDATION
D33 8100-001 – TYPICAL TOWER ANTENNA DETAIL

END OF ADDENDUM NO. 1

SECTION 40 66 13.01 – SCADA NETWORK CONFIGURATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. The network configuration and setup work to be performed by the Control System Specialist shall include all labor and incidentals required for the configuration of managed switches, routers, firewalls, VLANs, and other network hardware that make up the process control network. This work shall encompass all tasks necessary to achieve a complete, functional, and secure installation, including configuration, setup, and testing, as specified.

B. Related Sections:
   1. Section 40 61 13 – Process Control System General Provisions
   2. Section 40 63 43 – Programmable Logic Controllers
   3. Section 40 66 13 – Networking Equipment

1.2 REFERENCES

A. IEEE
   1. 802.1Q – Virtual LANs (VLAN) Tagging
   2. 802.3 – Ethernet Standards

B. ISA/IEC
   1. 62443 – Industrial Automation and Control Systems Security

C. NIST
   1. CSF – Cybersecurity Framework
   2. SP 800-82 – Guide to Industrial Control Systems (ICS) Security

1.3 DEFINITIONS

A. WAN: Wide Area Network.

B. LAN: Local Area Network.

C. VLAN: Virtual Local Area Network.

D. VPN: Virtual Private Network.

E. IT: Information Technology

F. OT: Operational Technology

G. OIT: Operator Interface Terminal

H. PLC: Programmable Logic Controller

I. RTU: Remote Terminal Unit

J. IPC: Industrial PC

K. HMI: Human Machine Interface

L. ICS: Industrial Control System

M. SCADA: Supervisory Control and Data Acquisition

N. Ring Topology: Each node is connected to two other nodes in a circular path.

O. Star Topology: All nodes are connected to a single central node such as a switch.

P. OSI Model: 7-layer network model for Open System Interconnection.

Q. Purdue Model: Hierarchical framework for ICS architecture that segments OT and IT networks into distinct security levels.

R. IOP: Integrated Operating Platform.

1.4 SUBMITTALS

A. See Section 01 33 00 – Submittal Procedures for general submittal requirements.

B. Action Submittals:
1. Shop Drawings:
a. Network Design and Configuration Plan:
1) IP addressing list
a) Provide a complete list of proposed IP address assignments for all Ethernet-connected devices and equipment being provided for the project. IP list shall include the following columns at a minimum:
i. Equipment Tag
ii. Location/panel
iii. Description
iv. Device type
v. Manufacturer
vi. Model number
vii. Firmware version
viii. Serial number
ix. MAC address
x. IP address
xi. Subnet Mask
xii. Default gateway
xiii. VLAN assignment
xiv. Comment/notes field
b) Submit IP addressing list in editable electronic spreadsheet format. Contractor shall update and maintain the list throughout construction and commissioning activities and provide a final as-constructed version as part of project closeout documentation.
2) QoS Policies
a) Submit proposed QoS configuration summary identifying traffic classifications, prioritization methods, trusted interfaces, and applicable VLANs associated with the industrial control system network per the requirements listed in this specification.
3) Security Configurations
a) Provide documentation sufficient to demonstrate that security hardening requirements have been implemented in accordance with applicable security framework guidance and the Owner’s security policies. Evidence may include configuration summaries, hardening checklists, compliance matrices, and verification records. Detailed

system configuration data (including specific account lists, service-level configurations, and network interface settings) shall be provided only to authorized parties under controlled access and shall be handled in accordance with the Owner's information classification and handling procedures. Coordinate all security-related configuration evidence and submittals with the Owner and Engineer.

4) Network Interconnection Diagram
   a) Submit a proposed network interconnection diagram depicting all switches provided in the project, specific physical port connections, identifying devices connected to access ports, port VLAN assignments, and trunking information.
5) Communication Matrix
   a) Contractor shall develop and maintain a communication matrix for all network-connected devices and systems provided under this project. The communication matrix shall identify, at a minimum:
      i. Source device or system
      ii. Destination device or system
      iii. Protocol
      iv. Service or port
      v. Communication direction / initiating source
      vi. Description / operational purpose
   b) The communication matrix shall be developed in accordance with the requirements of the Contract Documents and applicable industry standards referenced herein.
   c) Submit the proposed communication matrix to the Owner and Engineer for review and approval prior to implementation of routing, access control lists, firewall rules, or network security policies. Update the communication matrix throughout construction and commissioning activities to reflect approved changes and submit the final as-built version as part of project closeout documentation.

C. Information Submittals:
   1. Manufacturer's Certificate:
      a. Certify that products meet or exceed specified requirements.
   2. Source Quality Control Submittals:
      a. Indicate results of factory tests and inspections.
   3. Field Quality Control Submittals:
      a. Indicate results of Contractor tests and inspections.
   4. Manufacturer Reports:
      a. Certify that equipment has been installed according to manufacturer instructions.
      b. Indicate activities on site, adverse findings, and recommendations.
   5. Closeout Submittals:
      a. See Section 01 77 00 – Closeout Procedures for requirements.
      b. See part 3.3 Tests and Inspections within this specification for additional requirements.
      c. Record actual locations of installed equipment on project record documents.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Refer to Section 01 60 00 – Product Requirements for transporting, handling, storage, and protection requirements.

1.6 WARRANTY

A. Refer to Section 01 78 36 – Warranties and Bonds for requirements.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 INSTALLATION

A. All equipment shall be installed per manufacturer's instructions.

3.2 CONFIGURATION

A. General
   1. Configure industrial control system network infrastructure devices in accordance with manufacturer-recommended best practices applicable to industrial control system environments and generally aligned with the cybersecurity principles and defense-in-depth concepts described in ISA/IEC 62443 and NIST SP 800-82. Implement configurations intended to support reasonable network segmentation, management access control, resiliency, and maintainability appropriate for the systems provided under this project.
   2. Network configuration covered by the scope of this contract includes all switches, network equipment, routers, firewalls, servers and PC hosts, and other devices provided in this project.
   3. Configure routing, access control, and network communications using deny-by-default and allow-by-exception principles. Permit only explicitly required devices, protocols, ports, and services necessary for intended system operation.
   4. Contractor shall support coordination workshops with the Owner and Engineer to review communication requirements.

B. Layer 2/3 Stratix Switches
   1. Quality of Service: Configure QoS in accordance with ODVA EtherNet/IP recommendations and Cisco/Rockwell CPwE guidance to prioritize CIP implicit messaging traffic.
   2. IGMP Snooping: Enable IGMP snooping on VLANs carrying EtherNet/IP traffic to limit unnecessary multicast traffic propagation.
   3. IGMP Querier: Configure IGMP querier functionality on applicable VLANs where no upstream multicast router exists.
   4. Storm Control: Enable broadcast, multicast, and unknown unicast storm control protection on all access ports.
   5. Port Configuration: Disable unused switch ports.
   6. Time synchronization: Configure switches to synchronize to plant network time source using NTP.
   7. Configuration Documentation: Provide final switch configuration backups and port assignment documentation as part of project closeout.
   8. Switch hardening:
      a. Disable unused or unnecessary network services and management protocols not required for intended system operation.
      b. Where remote command-line management is required, utilize SSH in place of Telnet.
      c. Configure user accounts and privilege levels in accordance with the principle of least privilege and Owner requirements.
      d. Configure logging and event recording features where supported and applicable to the project.
      e. Where SNMP is utilized, use SNMPv3 where supported.

C. Firewalls

1. General: Configure firewalls provided under this project in accordance with manufacturer-recommended practices for industrial control system environments and the network architecture indicated in the Contract Documents.
2. Security Policy: Configure firewall security policies using deny-by-default and allow-by-exception principles. Permit only communications required for intended system operation. Firewall rules shall restrict communications based on source, destination, protocol, and service/port as applicable.
3. Communication Requirements: Develop firewall rules based on the approved network architecture and communication requirements of equipment provided under this project. Coordinate required communications with the Owner and Engineer prior to implementation.
4. Network Segmentation: Configure firewall interfaces, security zones, VLAN interfaces, routing, and other segmentation features as required by the Contract Documents. Communications between security zones shall be permitted only where required for intended system operation.
5. Management Access: Restrict firewall management access to authorized users and approved management networks. Utilize secure management protocols, including HTTPS and SSH, where supported. Disable insecure or unnecessary management services and protocols.
6. User Accounts: Configure administrative accounts and privilege levels in accordance with the principle of least privilege and Owner requirements. Change manufacturer default credentials prior to placing the firewall into service.
7. Logging: Enable logging of firewall security events, administrative activity, denied communications, and other applicable events supported by the firewall. Coordinate forwarding of logs to centralized logging or monitoring systems with the Owner where applicable.
8. Time Synchronization: Configure firewalls to synchronize with the designated plant network time source using NTP.
9. Unused Services: Disable unnecessary firewall services, interfaces, features, and protocols not required for intended system operation.
10. Remote Access and VPN: Where remote access or VPN functionality is required by the Contract Documents, configure connections using secure, encrypted protocols and restrict access to specifically authorized users, networks, and systems. Coordinate remote access requirements with the Owner and Engineer.
11. Firmware: Install firmware versions approved by the Engineer and Owner. Firmware shall be current and supported by the manufacturer unless otherwise approved.
12. Configuration Documentation: Provide final firewall configuration backups, firewall rule documentation, interface and security zone assignments, routing information, and other configuration records necessary to document the installed system as part of project closeout.

D. Host Hardening
1. General: Configure servers, workstations, engineering workstations, operator workstations, and other computer-based hosts provided under this project in accordance with manufacturer-recommended security practices and generally accepted industrial control system cybersecurity practices.
2. Operating System and Software: Install only operating system components, applications, services, and supporting software required for the intended function of the host. Remove or disable unnecessary software, services, features, and protocols where practical.
3. User Accounts and Privileges: Configure user and administrative accounts in accordance with the principle of least privilege and Owner requirements. Change or disable manufacturer and vendor default accounts and credentials where applicable.
    a. Where Active Directory or other centralized identity management infrastructure is provided for the industrial control system network, join applicable hosts to the designated domain and utilize centralized authentication and policy management where appropriate.

b. Domain controllers and associated identity management infrastructure serving the industrial control system shall be configured and maintained in accordance with Owner requirements and shall not be integrated with external or enterprise domains unless specifically indicated in the Contract Documents or approved by the Owner.

4. Host Firewall: Enable and configure host-based firewall functionality where supported. Permit only inbound communications required for intended system operation and administration.
5. Security Updates: Install applicable operating system and application security updates approved for use with the associated control system software and hardware prior to system commissioning. Coordinate update requirements and compatibility with the applicable control system software manufacturers. Automatic installation of updates shall be disabled.
6. Endpoint Protection: Configure antivirus, anti-malware, application control, or other endpoint protection mechanisms where required by the Contract Documents or Owner and where compatible with the associated industrial control system applications.
7. Remote Access: Disable unnecessary remote access services. Where remote administration is required, utilize secure protocols and restrict access to authorized users and systems.
8. Logging and Auditing: Enable operating system security logging and auditing features appropriate for the intended function of the host. Coordinate requirements for centralized collection or monitoring of host logs with the Owner where applicable.
9. Time Synchronization: Configure hosts to synchronize with the designated plant network time source.
10. Removable Media and Peripheral Interfaces: Disable or restrict unnecessary removable media functionality and peripheral interfaces where practical and where such functionality is not required for operation or maintenance of the system.
11. Configuration Documentation: Provide documentation sufficient to demonstrate implementation of specified host hardening requirements.

E. PLC and Controller Hardening
1. General: Configure PLCs, programmable automation controllers, and other programmable controllers provided under this project in accordance with manufacturer-recommended security practices and generally accepted industrial control system cybersecurity practices.
2. Firmware: Install firmware versions approved by the Engineer and Owner. Firmware shall be current and supported by the manufacturer unless otherwise approved.
3. Services and Communications: Disable unnecessary communication services, protocols, web interfaces, programming interfaces, and other features not required for intended system operation or maintenance, where supported.
4. Access Protection: Configure controller access controls, authentication, password protection, or other security features provided by the manufacturer where supported and appropriate for the intended application. Manufacturer default credentials shall be changed or disabled where applicable. Passwords for controller applications shall be the property of the Owner, and delivered at project closeout.
5. Operating Mode: Following completion of programming, testing, and commissioning activities, place controllers into the operating mode that restricts unauthorized or unintended programming changes while permitting normal control system operation, where such functionality is supported by the controller.
6. Configuration Documentation: Provide final backups of controller programs, configurations, firmware revisions, and other information necessary to restore the controller to its final accepted configuration as part of project closeout.

F. IP Addressing
1. Develop and maintain a complete IP address schedule for all network-connected devices provided under this project. Coordinate all IP addressing, subnet assignments, VLAN

assignments, gateway information, and network integration requirements with the Owner and the Owner and Engineer prior to implementation. Where practical, align VLAN identifiers with associated subnet numbering for consistency and ease of maintenance. Final addressing scheme shall be submitted to the Engineer and Owner for review and approval prior to system configuration and commissioning.

G. VLANs
1. In general, VLAN assignments shall be as indicated on logical network diagrams in the Contract Drawings. Where VLAN assignments are not shown, the Contractor shall propose VLAN assignments for review and approval.
2. Minimize Layer 3 routing between industrial control system VLANs except where operationally required. Inter-VLAN routing shall be restricted using access control lists (ACLs) to specific required devices, protocols, and services and shall not permit unrestricted communications between entire VLANs. Contractor to develop detailed ACL configuration schemes and submit to the Owner and Engineer for approval prior to implementation.

H. User Account and Access Management
1. General: Develop and implement a coordinated user account and access management structure for the SCADA system, including applicable operating system, domain, SCADA application, engineering software, and other system-level user accounts and permissions.
2. Roles and Permissions: Develop proposed user roles, security groups, and associated permissions based on the principle of least privilege and the operational responsibilities of system users. At a minimum, consider appropriate separation of operator, supervisory, engineering, maintenance, administrative, and other privileged functions applicable to the system.
3. Centralized Account Management: Where Active Directory or other centralized identity management infrastructure is provided, utilize centralized user accounts, security groups, and authentication where practical and appropriate. Coordinate local accounts required for system operation, maintenance, recovery, or vendor support with the Owner.
4. Account Policy: Develop proposed account management and authentication policies applicable to the SCADA system, including password requirements, account lockout, account expiration, privileged account use, inactive accounts, and other applicable security settings. Policies shall account for the operational and availability requirements of the industrial control system.
5. Coordination Workshop: Conduct a user account and access management workshop with the Owner and Engineer prior to implementation. Review proposed user roles, groups, permissions, authentication methods, account policies, administrative access, and other applicable access control requirements.
6. Approval: Revise the proposed user account and access management configuration based on workshop results and submit the final proposed configuration to the Owner and Engineer for review and approval prior to implementation.
7. Documentation: Provide final documentation identifying implemented user roles, groups, permission levels, and applicable account policies as part of project closeout. Documentation containing account names, security configurations, or other security-sensitive information shall be provided only to authorized parties and transmitted and handled in accordance with the Owner's applicable information security and information handling requirements.

3.3 TESTS AND INSPECTIONS

A. General
1. Perform all testing and inspection activities required to verify proper installation, configuration, operation, and integration of the industrial control system network equipment provided under this project.
2. Coordinate all testing activities with the Owner and Engineer.

3. Notify the Engineer and Owner prior to commencement of testing activities.
4. Develop and submit detailed testing procedures and associated test documentation for review and approval by the Engineer and Owner prior to performing any testing activities. Testing documentation shall include test descriptions, procedures, expected results, required test equipment, and proposed test record forms applicable to the systems provided under this project.
5. Testing activities shall not be performed until testing procedures and documentation have been approved by the Engineer and Owner.
6. Testing activities may be witnessed by the Owner and the Engineer at the Owner's discretion.
7. Document all testing results and identify any discrepancies, failures, or deviations from approved testing documentation. Correct all identified deficiencies or obtain written acceptance from the Engineer and Owner prior to final acceptance of the work.

B. Physical Network Verification
1. Verify all network equipment has been installed in accordance with the Contract Documents and manufacturer recommendations.
2. Verify all copper and fiber optic network cabling installations and terminations in accordance with applicable manufacturer requirements and industry standards.
3. Perform testing of fiber optic cabling per section 40 66 33 Fiber Optic Communication Systems and submit test results for review.
4. Verify proper labeling of network equipment, patch panels, fiber enclosures, cables, and switch ports.

C. Network Configuration Verification
1. Verify configured IP addresses, subnet masks, gateways, VLAN assignments, and device naming conventions match approved submittals.
2. Verify configured switch port assignments, trunk ports, and VLAN configurations match approved network documentation.
3. Verify configured Layer 2 and Layer 3 network functions operate as intended, including VLAN routing, multicast management features, DLR operation if applicable, RSTP operation, and QoS configuration where applicable.
4. Verify inter-VLAN communications are restricted to approved devices, protocols, and services in accordance with approved communication matrix documentation.
5. Verify configured QoS policies and traffic prioritization settings have been properly implemented where applicable.
6. Verify required communications through firewalls operate as intended and correspond with the approved firewall rules and communication requirements.
7. Verify non-approved communications between firewall security zones are denied. Testing shall include representative attempts to communicate using devices, protocols, or services not permitted by the approved firewall configuration.

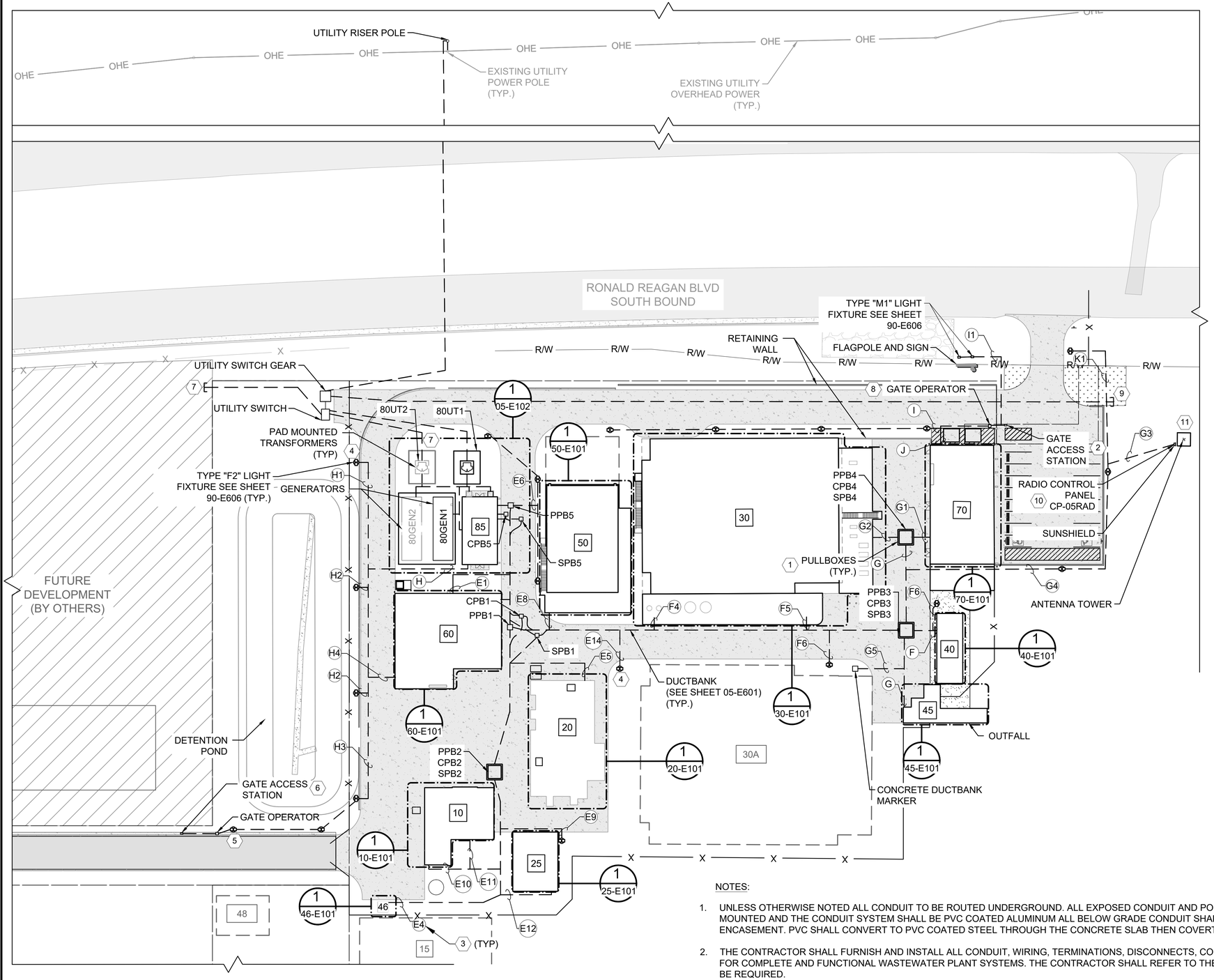
D. Cybersecurity-Related Verification
1. Verify management access settings, disabled ports and services, user account configurations, and other security-related configurations match approved submittals.
2. Verify unused switch ports are disabled or assigned to an unused VLAN.
3. Verify configured firmware revisions match approved submittals.
4. Verify firewall interfaces, security zones, rules, management access, and logging are configured in accordance with approved submittals.
5. Verify host hardening requirements have been implemented on applicable servers and workstations.
6. Verify PLC and controller hardening requirements have been implemented.
7. Verify SCADA user accounts, roles, groups, permissions, and account policies match approved submittals.
8. Verify representative user accounts are restricted to functions permitted by their assigned roles.

9. Verify time synchronization and logging functionality where applicable.
10. Submit final configuration backups and applicable security configuration documentation for review and record documentation..

E. Operational Verification
1. Verify communications between PLCs, remote I/O, HMIs, instrumentation, SCADA servers, SCADA workstations, historians, engineering workstations, and other network-connected devices associated with this project as applicable.
2. Verify proper operation of all redundant network paths and failover mechanisms where applicable.
3. Verify network time synchronization functionality where applicable.
4. Correct all deficiencies identified during testing prior to final acceptance.

F. Closeout Documentation
1. Submit final as-built network documentation including but not limited to:
    a. IP address list
    b. VLAN assignments
    c. Communication matrix
    d. Switch configuration backups
    e. Firewall configuration backups and rule documentation
    f. PLC configuration backups
    g. User role and permission documentation
    h. Host hardening documentation
    i. Fiber test results
    j. Final network diagrams
2. Submit all documentation in editable electronic format where applicable.
3. Security-sensitive documentation shall be transmitted and handled in accordance with Owner requirements.

END OF SECTION



1 / 05-E101 OVERALL ELECTRICAL SITE PLAN

SCALE: 1" = 30'

0 20' 40' 80' 120'

(IN FEET)

XX PROPOSED STRUCTURES

PROPOSED FACILITIES	
10	PRIMARY HEADWORKS
15	FUTURE EQUALIZATION BASIN
20	SECONDARY HEADWORKS
25	ODOR CONTROL
30	MBR PROCESS TRAINS
30A	FUTURE MBR PROCESS TRAINS
40	UV DISINFECTION
45	EFFLUENT FACILITY
46	METER VAULT
48	FUTURE AWPF PUMP STATION
50	AERATED SLUDGE HOLDING TANKS
60	DEWATERING FACILITY
70	ADMINISTRATION BUILDING
85	ELECTRICAL BUILDING

KEYNOTES	
1	PULL BOX AREA TO INCLUDE POWER, CONTROL, AND SIGNAL PULL BOXES. TOP OF PULL BOXES TO BE FLUSH AT FINISHED GRADE AND BE TRAFFIC RATED. CONTRACTOR SHALL SEE PRECAST PULL BOX DETAIL D26-0543-016 FOR FURTHER DETAILS. CONTRACTOR SHALL SIZE PULL BOXES PER NEC REQUIREMENTS.
2	PROVIDE AND INSTALL 1" CONDUIT WITH PULLSTRING FROM GATE OPERATOR TO 70LP1. BOTH GATE OPERATOR AND GATE ACCESS STATION PROVIDED BY OTHERS. SEE LIGHTING PANEL SCHEDULE ON SHEET 70-E601.
3	FOR DUCTBANK SCHEDULES SEE SHEET 05-E601
4	PROVIDE AND INSTALL CONDUIT WITH PULLSTRING FROM SECURITY PANEL 85SCP1 FOR POLE MOUNTED SECURITY CAMERA. BOTH SECURITY PANEL AND CAMERA PROVIDED BY OTHERS. SEE INTERCONNECTION DIAGRAM ON SHEET 85-E501.
5	PROVIDE AND INSTALL CONDUIT WITH PULLSTRING FROM SECURITY PANEL 60SCP1 FOR POLE MOUNTED SECURITY CAMERA. BOTH SECURITY PANEL AND CAMERA PROVIDED BY OTHERS. SEE INTERCONNECTION DIAGRAM STARTING ON SHEET 60-E501.
6	PROVIDE AND INSTALL 1" CONDUIT WITH PULLSTRING FROM GATE OPERATOR TO 60LP1. BOTH GATE OPERATOR AND GATE ACCESS STATION PROVIDED BY OTHERS. SEE LIGHTING PANEL SCHEDULE ON SHEET 60-E601.
7	CONTRACTOR TO PROVIDE AND INSTALL 3 - 3" CONDUIT WITH PULLSTRING. CONDUIT SHALL BE CUT AND CAPPED A MINIMUM OF 6 INCHES ABOVE CONCRETE SLAB OR FINISHED GRADE.
8	CONTRACTOR TO PROVIDE AND INSTALL PHOTO EYE SENSOR FOR AUTO GATE OPEN WHEN LEAVING THE SITE.
9	CONTRACTOR TO PROVIDE AND INSTALL 3 - 3" CONDUIT AND 3 - 4" CONDUIT WITH PULL STRING. CONDUIT SHALL BE CUT AND CAPPED A MINIMUM OF 6 INCHES ABOVE CONCRETE SLAB OR FINISHED GRADE
10	CONTRACTOR TO PROVIDE MINIMUM 2'H X 2' W X 1'D NEMA 4X ENCLOSURE WITH SUNSHIELD. CONTRACTOR TO PROVIDE AND INSTALL FIBER PATCH PANEL, ETHERNET SWITCH, RADIO, AND ALL NECESSARY HARDWARE FOR FULLY FUNCTIONAL RADIO SYSTEM. D26 0529-013
11	CONTRACTOR TO INSTALL OBSTRUCTION LIGHTS AT TOP OF ANTENNA TOWER. SEE SHEET 90-E606 FOR LIGHTING FIXTURE SCHEDULE.

NOTES:

1. UNLESS OTHERWISE NOTED ALL CONDUIT TO BE ROUTED UNDERGROUND. ALL EXPOSED CONDUIT AND PORTIONS OF THE CONDUIT SYSTEM FOR THIS STRUCTURE SHALL BE SURFACE MOUNTED AND THE CONDUIT SYSTEM SHALL BE PVC COATED ALUMINUM ALL BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC WITH GALVANIZED ELBOW IN CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO PVC COATED STEEL THROUGH THE CONCRETE SLAB THEN COVERT TO ALUMINUM.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, WIRING, TERMINATIONS, DISCONNECTS, CONTROL RELAYS, CONTROL ENCLOSURES AND OTHER ITEMS AS NECESSARY FOR COMPLETE AND FUNCTIONAL WASTEWATER PLANT SYSTEMS. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS AND OTHER SECTIONS OF THE PLANS FOR ITEMS AS MAY BE REQUIRED.
3. FIELD LOCATE FINAL LOCATIONS OF ALL DUCT BANKS AND PULLBOXES. PROVIDE PULLBOXES AS REQUIRED FOR A WORKABLE INSTALLATION. ALL PULLBOXES SHALL BE APPROPRIATELY SIZED BY THE CONTRACTOR AS REQUIRED BY THE NUMBER OF CONDUITS IN THE DUCT BANK FOR A WORKABLE INSTALLATION WITH MINIMUM SIZES AS INDICATED WITHIN THE DETAILS. COORDINATE ALL WORK WITH APPLICABLE MATERIAL SUPPLIERS, AND OWNER REPRESENTATIVES.
4. NUMEROUS UNDERGROUND UTILITIES EXIST THROUGHOUT THE PROJECT SITE. MARK OR CAUSE TO BE MARKED ALL UTILITIES PRIOR TO WORK.
5. BELOW GRADE CONDUIT ROUTING AS SHOWN IS DIAGRAMMATIC IN NATURE AND SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING NUMBER OF REQUIRED CONDUITS AND PLACEMENT OF THESE CONDUITS. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A BELOW GRADE CONDUIT ROUTING PLAN FOR REVIEW PRIOR TO INSTALLATION.

GARVER

REGISTRATION NO. F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO.1	MDK

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

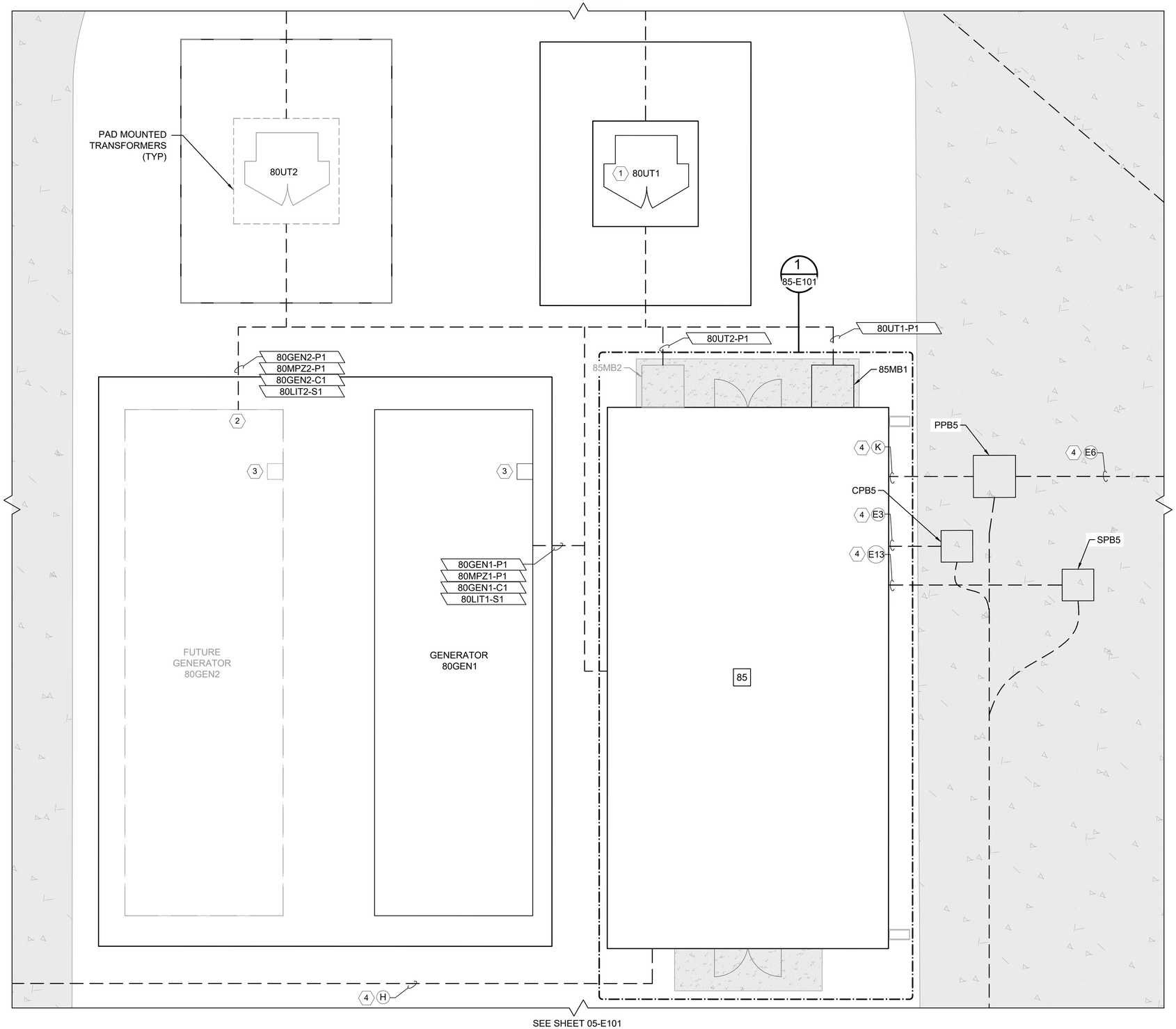
OVERALL ELECTRICAL SITE PLAN

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: CM
CHECKED BY: BSC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING NUMBER
05-E101
SHEET NUMBER

File: C:\Users\ndbennett\DC\ACCDocs\Garver Engineers\W07-2401219 - Liberty Hill North Fork WWTP Design\Project Files\Garver\Civil\LHNF-05-E101-SI.dwg Last Saved: 8/28/2026 3:14 PM Last saved by: NDBennett
Last plotted by: Bennett, Nicholas D. Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 8/28/2026 3:18 PM Plotter used: None



1 05-E102 ELECTRICAL BUILDING SITE PLAN - ENLARGED

SCALE: 1" = 5'

XX PROPOSED STRUCTURES

PROPOSED FACILITIES	
85	ELECTRICAL BUILDING

KEYNOTES	
1	CONTRACTOR SHALL COORDINATE WITH LOCAL ELECTRIC UTILITY FOR INSTALLATION OF NEW BELOW GRADE SERVICE LINES. NEW SERVICE LINES SHALL BE INSTALLED IN EARLY STAGES OF CONSTRUCTION. CONTRACTOR TO INSTALL NEW LINES ENSURING ALL ELECTRIC UTILITY STANDARDS ARE MET. COORDINATION SHALL INCLUDE THE FOLLOWING: CONSULTATION WITH ELECTRIC UTILITY REGARDING LOCATIONS OF NEW SERVICE EQUIPMENT; INSTALLATION OF METERING EQUIPMENT, CONDUITS, AND CONDUCTORS MEETING STANDARDS AND REQUIREMENTS OF ELECTRIC UTILITY, APPLICATION FOR NEW ELECTRIC SERVICE; COORDINATE SCHEDULE FOR INSTALLATION OF NEW ELECTRIC SERVICE. CONTRACTOR SHALL ADHERE TO ALL UTILITY STANDARDS FOR NEW ELECTRIC SERVICE INSTALLATION.
2	CONDUIT SHALL BE CUT AND CAPPED A MINIMUM OF 6 INCHES ABOVE CONCRETE SLAB OR FINISHED GRADE. STUB UP SHOULD MATCH THE LOCATION OF THE PROPOSED GENERATOR.
3	EXTERNAL GENERATOR E-STOP. CONTRACTOR TO COORDINATE FINAL LOCATION WITH GENERATOR VENDOR.
4	FOR DUCTBANK SCHEDULES SEE SHEET 05-E601

NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, WIRING, TERMINATIONS, DISCONNECTS, CONTROL RELAYS, CONTROL ENCLOSURES AND OTHER ITEMS AS NECESSARY FOR COMPLETE AND FUNCTIONAL WASTEWATER PLANT SYSTEMS. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS AND OTHER SECTIONS OF THE PLANS FOR ITEMS AS MAY BE REQUIRED.

0 2.5' 5' 10' 15'

(IN FEET)

GARVER

REGISTRATION NO. F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO.1	MDK

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

ELECTRICAL BUILDING SITE PLAN - ENLARGED

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: ESC
DRAWN BY: NDB
CHECKED BY: BSC

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
05-E102

SHEET NUMBER

File: C:\Users\ndbennett\DC\ACCDocs\Garver Engineers\W07-2401219 - Liberty Hill North Fork WWTP Design\Project Files\GarverCivil\LHNF-05-E102-SI.dwg Last Save: 8/28/2026 3:14 PM Last saved by: NDBennett
Last plotted by: Bennett, Nicholas D. Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 8/28/2026 3:18 PM Plotter used: None

DUCTBANK E1

60PB1-P1
CP-85PLC1-N2
60SC3-N1

DUCTBANK E2

60SCP1-N1
60ACP1-N1
CP-60PLC1-N1

DUCTBANK E3

102TB1-C1	102PTB1-C1	501TS101-C1
102TB2-C1	102PSH1-C1	501TSH1-C1
501PSH1-C1	102PTB2-C1	501TS201-C1
501HS1-C1	102PSH2-C1	501PDS2-C1
501PSH2-C1	LCP-102P2-C1	501TE2-C1
501TS202-C1	102PTB3-C1	501PS201-C1
501HS2-C1	102PSH3-C1	501TS201-C1
501PSH3-C1	LCP-102P3-C1	501TSH2-C1
501TS302-C1	102PTB4-C1	LCP-501B2-C1
501HS3-C1	102PSH4-C1	501PS202-C1
501PDS1-C1	LCP-102P4-C1	501PDS3-C1
501TE1-C1	101CG1-C1	501TE3-C1
501PS101-C1	101CG2-C1	501PS301-C1
501CV101-C1	101CG3-C1	501TS301-C1
501CV201-C1	101CG4-C1	501TSH3-C1
501CV301-C1	101CG5-C1	LCP-501B3-C1
501FCV1-C1	101CG6-C1	501PS302-C1
501FCV2-C1	501CV103-C1	501PDS4-C1
501CV102-C1	501CV203-C1	501TE4-C1
501CV202-C1	501CV303-C1	501PS401-C1
501CV302-C1	501TS401-C1	501PS402-C1
501TB1-C1	501TSH4-C1	
501TB2-C1	LCP-501B4-C1	

DUCTBANK E4

20MPZ-L7
20MPZ-L8
20MPZ-L9
461FIT001-S1

DUCTBANK E6

85LP-L31

DUCTBANK E5

CP-202PLC1-P1
LCP-201GW1-P1
CP-20PLC1-P1
CP-202PLC2-P1
CP-202PLC3-P1
CP-20PLC2-P1
LCP-201GW2-P1
20MPZ-P1
20MPZ-L7
20MPZ-L8
20MPZ-L9
CP-10PLC1-N1
CP-20PLC1-N1
461FIT001-S1

DUCTBANK F

CP-401UV1-P1
CP-401UV3-P1
CP-401UV5-P1
CP-401UV2-P1
CP-401UV4-P1
CP-40PLC-N1
CP-20PLC1-N1
70LP1-L7

DUCTBANK E8

501P1-P1	501PS101-C1	85LP-L49	LCP-501B4-C1
501P3-P1	501TS101-C1	85LP-L18	501PS402-C1
501B1-P1	501TSH1-C1	85LP-L20	501PIT1-S1
501B3-P1	LCP-501B1-C1	85LP-L28	501PIT2-S1
501P2-P1	501PS102-C1	85LP-L40	501PIT3-S1
501P4-P1	501PDS2-C1	85LP-L42	501CV101-C1
501B2-P1	501TE2-C1	85LP-L44	501CV201-C1
501B4-P1	501PS201-C1	85LP-L46	501CV301-C1
501CV101-P1	501TS201-C1	85LP-L48	501FCV1-C1
501CV201-P1	501TSH2-C1	85LP-L50	501FCV2-C1
501CV301-P1	LCP-501B2-C1	501PSH1-C1	501LIT1-S1
501CV102-P1	501PS202-C1	501TS102-C1	501LIT2-S1
501CV202-P1	501PDS3-C1	501HS1-C1	501CV102-C1
501CV302-P1	501TE3-C1	501PSH2-C1	501CV202-C1
501CV103-P1	501PS301-C1	501TS202-C1	501CV302-C1
501CV203-P1	501TS301-C1	501HS2-C1	501TB1-C1
501CV303-P1	501TSH3-C1	501PSH3-C1	501TB2-C1
85LP-L17	LCP-501B3-C1	501TS302-C1	501FIT001-S1
85LP-L19	501PS302-C1	501HS3-C1	501FCV1-P1
85LP-L39	501PDS4-C1	501PDS1-C1	501FCV2-P1
85LP-L41	501TE4-C1	501TE1-C1	501CV103-C1
85LP-L43	501PS401-C1	501CV203-C1	85LP-L47
85LP-L45	501TS401-C1	501TSH4-C1	501CV303-C1

DUCTBANK E9

85LP-L31

DUCTBANK E10

CP-25PLC1-N1
CP-10PLC1-N1
CP-60PLC1-N1
CP-10PLC1-P1
CP-10PLC2-P1
CP-10PLC3-P1
10MPZ-P1
101CG1-C1
101CG2-C1
101CG3-C1
101CG4-C1
101CG5-C1
101CG6-C1
102LIT1-S1
102LIT2-S1

DUCTBANK E11

VFD-102P1-P1	102PTB2-C1
VFD-102P2-P1	102PSH2-C1
VFD-102P3-P1	LCP-102P2-C1
VFD-102P4-P1	102PTB3-C1
10B1-P1	102PSH3-C1
101CG1-P1	LCP-102P3-C1
101CG2-P1	102PTB4-C1
101CG3-P1	102PSH4-C1
101CG4-P1	LCP-102P4-C1
101CG5-P1	101CG1-C1
101CG6-P1	101CG2-C1
102TB1-C1	101CG3-C1
102TB2-C1	101CG4-C1
102PTB1-C1	101CG5-C1
102PSH1-C1	101CG6-C1
LCP-102P1-C1	102LIT1-S1
102PIT001-S1	102LIT2-S1

DUCTBANK E12

CP-25PLC1-P1
251CD101-P1
251CD201-P1
251CD102-P1
251CD202-P1
85LP-L12
85LP-L13
85LP-L14
85LP-L35
85LP-L36
85LP-L37
CP-25PLC1-N1

DUCTBANK E13

501LIT1-S1
501LIT2-S1
501FIT001-S1
CP-85PLC-N1
CP-85PLC-N2
102LIT1-S1
102LIT2-S1
102PIT001-S1
501PIT1-S1
501PIT2-S1
501PIT3-S1
85SC2-N1
85SC3-N1

DUCTBANK E14

85LP-L31
85SC3-N1
85LP-L3

DUCTBANK H

85LP-L1
85LP-L29
85SC2-N1
85LP-L27

DUCTBANK H1

85LP-L1
85LP-L29
85SC2-N1

DUCTBANK H2

85LP-L29

DUCTBANK H3

60LP1-L27
60SC3-N1
85LP-L27

DUCTBANK H4

60SC3-N1

DUCTBANK F4

351P101-C1	311AIT101-S1	311AIT308-S1
351P101-S1	311FTB101-C1	CP-311MR1-P1
351P102-C1	311CG101-C1	311FIT001-S1
351P102-S1	311CG102-C1	311MIXDS203-C1
351P201-C1	311CG103-C1	311MIXDS204-C1
351P201-S1	311MIXDS102-C1	311AIT203-S1
351P202-C1	311AIT102-S1	311PDS201-C1
351P202-S1	311CV201-C1	311PDS202-C1
LCP-351CP1-S1	311MIXDS101-C1	311FIT002-S1
LCP-351CP2-S1	311MIXDS201-C1	311MIXDS303-C1
371CV101-C1	311AIT201-S1	311MIXDS304-C1
371FIT101-S1	311FTB201-C1	311AIT303-S1
311MIX101-P1	311CG201-C1	311PDS301-C1
311MIX102-P1	311CG202-C1	311PDS302-C1
311MIX103-P1	311CG203-C1	311FIT003-S1
311MIX104-P1	311MIXDS202-C1	311FIT101-S1
311MIX301-P1	311AIT202-S1	311PDS102-C1
311MIX302-P1	311CV301-C1	311FIT301-S1
311MIX303-P1	311MIXDS301-C1	311AIT108-S1
311MIX304-P1	311AIT301-S1	311FIT201-S1
311MIX501-P1	311FTB301-C1	311AIT208-S1
311MIX502-P1	311CG301-C1	311MIX201-P1
311MIX503-P1	311CG302-C1	311MIX202-P1
311MIX504-P1	311CG303-C1	311MIX203-P1
311P101-P1	311MIXDS302-C1	311MIX204-P1
311P102-P1	311AIT302-S1	311CV101-C1
311P201-P1	311MIXDS103-C1	311PDS101-C1
311P202-P1	311MIXDS104-C1	311P302-P1
311P301-P1	311AIT103-S1	

DUCTBANK F5

321FTB201-C1	341B101-P1
321FTB301-C1	341B103-P1
321FTB401-C1	341B201-P1
321MIXDS3-C1	341B203-P1
321LT501-S1	341B205-P1
321FTB501-C1	341B102-P1
321MIXDS4-C1	341B104-P1
321PT101-S1	341B202-P1
321PT201-S1	341B204-P1
321PT301-S1	321MIX1-P1
321PT401-S1	321MIX2-P1
321LTB101-S1	321MIX3-P1
321LTB201-S1	321MIX4-P1
321LTB301-S1	311FTB1-C1
321LTB401-S1	321MIXDS1-C1
321LSL102-C1	311FTB104-C1
321LSL202-C1	321MIXDS2-C1
321LSL302-C1	321FTB101-C1
321LSL402-C1	

DUCTBANK F6

70LP1-L31

DUCTBANK K

VFD-102P1-P1	501CV201-P1	85LP-L27
VFD-102P2-P1	501CV301-P1	101CG1-P1
CP-10PLC1-P1	501CV102-P1	101CG2-P1
LCP-201GW1-P1	501CV202-P1	101CG3-P1
CP-202PLC1-P1	501CV302-P1	101CG4-P1
CP-20PLC1-P1	501CV103-P1	101CG5-P1
501P1-P1	501CV203-P1	101CG6-P1
501P3-P1	501CV303-P1	501FCV1-P1
501B1-P1	85LP-L13	501FCV2-P1
501B3-P1	85LP-L17	501B4-P1
60PB1-P1	85LP-L19	LCP-201GW2-P1
VFD-102P3-P1	85LP-L35	10MPZ-P1
VFD-102P4-P1	85LP-L37	10B1-P1
CP-10PLC2-P1	85LP-L39	20MPZ-P1
CP-10PLC3-P1	85LP-L41	251CD101-P1
CP-202PLC2-P1	85LP-L43	251CD201-P1
CP-202PLC3-P1	85LP-L45	251CD102-P1
CP-25PLC1-P1	85LP-L47	251CD202-P1
CP-202PLC2-P1	85LP-L49	501CV101-P1
CP-20PLC2-P1	85LP-L12	85LP-L44
501P2-P1	85LP-L14	85LP-L46
501P4-P1	85LP-L18	85LP-L48
501B2-P1	85LP-L20	85LP-L50
85LP-L40	85LP-L28	85LP-L1
85LP-L42	85LP-L36	85LP-L3

DUCTBANK G

451P1-P1	451AIT001-S1
451P3-P1	451LIT001-S1
451P2-P1	451LIT002-S1
451P4-P1	451PIT001-S1
LCP-451P-C1	451ZT001-S1
LCP-451P-C2	451FIT001-S1
LCP-451P-C3	451CV001-C1
LCP-451P-C4	CP-451ABF1-C1
451TSH1-C1	40LP1-L5
451PSH1-C1	40LP1-L6
451TSH2-C1	40LP1-L7
451PSH2-C1	40LP1-L9
451TSH3-C1	40LP1-L15
451PSH3-C1	40LP1-L16
451TSH4-C1	40LP1-L18
451PSH4-C1	40LP1-L19
451TB1-C1	40LP1-L20
451TB2-C1	40LP1-L21
451AIT001-C1	40LP1-L22
	40LP1-L23

DUCTBANK G1 (1)

331P101-P1	311MIX303-P1	311P401-P1	311AIT102-S1	311FIT001-S1	361FIT501-S1	LCP-451P-C1
331P103-P1	311MIX304-P1	311P402-P1	311CV201-C1	311MIXDS203-C1	361FCV1-C1	LCP-451P-C2
331P105-P1	331P201-P1	311P501-P1	311MIXDS201-C1	311MIXDS204-C1	361FCV1-S1	LCP-451P-C3
331P107-P1	331P202-P1	311P502-P1	311AIT201-S1	311AIT203-S1	361FCV2-C1	LCP-451P-C4
341B101-P1	311P101-P1	311P601-P1	311FTB201-C1	311PDS201-C1	361FCV2-S1	451TSH1-C1
341B102-P1	311P102-P1	311P602-P1	311CG201-C1	311PDS202-C1	361FCV3-C1	451PSH1-C1
341B103-P1	311P301-P1	331P105-P1	311CG202-C1	311FIT002-S1	361FCV3-S1	451TSH2-C1
341B104-P1	311P302-P1	331P106-P1	311CG203-C1	311MIXDS303-C1	361FCV4-C1	451PSH2-C1
341B201-P1	311P501-P1	331P107-P1	311MIXDS202-C1	311MIXDS304-C1	361FCV4-S1	451TSH3-C1
341B202-P1	311P502-P1	331P108-P1	311AIT202-S1	311AIT303-S1	361FCV5-C1	451PSH3-C1
341B203-P1	311MIX201-P1	331P203-P1	311CV301-C1	311PDS301-C1	361FCV5-S1	451TSH4-C1
341B204-P1	311MIX202-P1	331P204-P1	311MIXDS301-C1	311PDS302-C1	361AIT101-S1	451PSH4-C1
341B205-P1	311MIX203-P1	341B105-P1	311AIT301-S1	311FIT003-S1	361AIT201-S1	451TB1-C1
361P1-P1	311MIX204-P1	341B106-P1	311FTB301-C1	311FIT101-S1	361AIT301-S1	451TB2-C1
361P3-P1	311P201-P1	341B107-P1	311CG301-C1	311AIT108-S1	361AIT401-S1	451AIT001-C1
361P5-P1	311P202-P1	341B108-P1	311CG302-C1	311FIT201-S1	361AIT501-S1	451AIT001-S1
361P7-P1	311P401-P1	311MIX401-P1	311CG303-C1	321FTB301-C1	331PSL501-C1	451LIT001-S1
361P9-P1	311P402-P1	311MIX402-P1	311MIXDS302-C1	321FTB401-C1	331PSL601-C1	451LIT002-S1
CP-401UV1-P1	311P601-P1	311MIX403-P1	311AIT302-S1	321MIXDS3-C1	331PSH501-C1	311P401-C1
CP-401UV3-P1	311P602-P1	311MIX404-P1	311AIT208-S1	321LT501-S1	331PSH601-C1	311P402-C1
CP-401UV5-P1	321MIX201-P1	311MIX501-P1	311FIT301-S1	321FTB501-C1	331PSL101-C1	311P501-C1
451P1-P1	311CV101-C1	311MIX502-P1	341FIT201-S1	321MIXDS4-C1	331PSL201-C1	311P502-C1
451P3-P1	311MIXDS101-C1	311MIX503-P1	341FIT202-S1	361PSL101-C1	331PSL301-C1	311P601-C1
401CV1-P1	311AIT101-S1	311MIX504-P1	341FIT203-S1	361PSL201-C1	331PSL401-C1	311P602-C1
401CV2-P1	311FTB101-C1	311MIX601-P1	341FIT204-S1	361PSL301-C1	331PSH101-C1	331P105-C1
401CV3-P1	311CG101-C1	311MIX602-P1	341PIT201-S1	361PSL401-C1	331PSH201-C1	331P106-C1
401CV4-P1	311CG102-C1	311MIX603-P1	341PIT202-S1	361PSL501-C1	331PSH301-C1	331P107-C1
401CV5-P1	311CG103-C1	311MIX604-P1	341PIT203-S1	361PSH101-C1	331PSH401-C1	331P108-C1
331P102-P1	321FTB101-C1	341B206-P1	341PIT204-S1	361PSH201-C1	331FIT101-S1	361P6-C1
331P104-P1	321FTB201-C1	341B207-P1	311PDS101-C1	361PSH301-C1	331FIT201-S1	361P7-C1
331P106-P1	311MIXDS102-C1	341B208-P1	311PDS102-C1	361PSH401-C1	331FIT401-S1	361P8-C1
331P108-P1	CP-451ABF1-C1	341B209-P1	371CV101-C1	361PSH501-C1	341B101-C1	361P9-C1
361P2-P1	311AIT308-S1	341B210-P1	371FIT101-S1	361FIT101-S1	341B102-C1	361P10-C1
361P4-P1	311FTB1-C1	CP-311MR1-P1	341B206-C1	361FIT201-S1	341B103-C1	331P203-C1
361P6-P1	321MIXDS1-C1	70LP1-L7	341B207-C1	361FIT301-S1	341B104-C1	331P204-C1
361P8-P1	311FTB104-C1	70LP-L31	341B208-C1	361FIT401-S1	341B201-C1	341B105-C1
361P10-P1	321MIXDS2-C1	70LP-L46	341B209-C1	351P202-S1	341B202-C1	341B106-C1
CP-401UV2-P1	70LP1-L2	60ACP1-N1	341B210-C1	LCP-351CP1-S1	341B203-C1	341B107-C1
CP-401UV4-P1	70LP1-L4	CP-85PLC-N1	321PT101-S1	LCP-351CP2-S1	341B204-C1	341B108-C1
451P2-P1	CP-70RAD-N1	CP-40PLC-N1	321PT201-S1	321LSL102-C1	341B205-C1	311MIX401-C1
451P4-P1	451PIT001-S1	311MIXDS103-C1	321PT301-S1	321LSL202-C1	351P101-C1	311MIX402-C1
311MIX101-P1	451ZT001-S1	311MIXDS104-C1	321PT401-S1	321LSL302-C1	351P101-S1	311MIX403-C1
311MIX102-P1	451FIT001-C1	60SCP1-N1	321LTB101-S1	321LSL402-C1	351P102-C1	311MIX404-C1
311MIX103-P1	451CV001-C1	85SCP1-N1	321LTB201-S1	331PSH701-C1	351P102-S1	311MIX501-C1
311MIX104-P1	321MIX1-P1	331P301-P1	321LTB301-S1	331PSL701-C1	351P201-C1	311MIX502-C1
311MIX301-P1	321MIX2-P1	331P302-P1	321LTB401-S1	331PSH801-C1	351P201-S1	311MIX503-C1
311MIX302-P1	321MIX3-P1	321MIX4-P1	311AIT103-S1	331PSL801-C1	351P202-C1	311MIX504-C1
						311MIX601-C1
						311MIX602-C1
						311MIX603-C1
						311MIX604-C1

DUCTBANK J

70LP1-L29
70LP1-L36
70LP1-L46

DUCTBANK I

70LP1-L29

DUCTBANK I1

70LP1-L46

DUCTBANK K1

70LP1-L31

DUCTBANK G2

331P101-P1	361FCV2-C1
331P103-P1	361FCV2-S1
361P1-P1	361FCV3-C1
361P3-P1	361FCV3-S1
361P5-P1	361FCV4-C1
331P102-P1	361FCV4-S1
331P104-P1	361FCV5-C1
361P2-P1	361FCV5-S1
361P4-P1	361AIT101-S1
361PSL101-C1	361AIT201-S1
361PSL201-C1	361AIT301-S1
361PSL301-C1	361AIT401-S1
361PSL401-C1	361AIT501-S1
361PSL501-C1	331PSL501-C1
361PSH101-C1	331PSL601-C1
361PSH201-C1	331PSH501-C1
361PSH301-C1	331PSH601-C1
361PSH401-C1	331PSL101-C1
361PSH501-C1	331PSL201-C1
361FIT101-S1	331PSL301-C1
361FIT201-S1	331PSL401-C1
361FIT301-S1	331PSH101-C1
361FIT401-S1	331PSH201-C1
361FIT501-S1	331PSH301-C1
361FCV1-C1	331PSH401-C1
361FCV1-S1	331FIT101-S1
331PSH701-C1	331FIT201-S1
331PSL701-C1	331FIT401-S1
331PSH801-C1	331P301-P1
331PSL801-C1	331P302-P1

DUCTBANK G5 (1)

311P401-P1	311P401-C1
311P402-P1	311P402-C1
311P501-P1	311P501-C1
311P502-P1	311P502-C1
311P601-P1	311P601-C1
311P602-P1	311P602-C1
331P105-P1	331P105-C1
331P106-P1	331P106-C1
331P107-P1	331P107-C1
331P108-P1	331P108-C1
361P6-P1	361P6-C1
361P7-P1	361P7-C1
361P8-P1	361P8-C1
361P9-P1	361P9-C1
361P10-P1	361P10-C1
331P203-P1	331P203-C1
331P204-P1	331P204-C1
341B105-P1	341B105-C1
341B106-P1	341B106-C1
341B107-P1	341B107-C1
341B108-P1	341B108-C1
311MIX401-P1	311MIX401-C1
311MIX402-P1	311MIX402-C1
311MIX403-P1	311MIX403-C1
311MIX404-P1	311MIX404-C1
311MIX501-P1	311MIX501-C1
311MIX502-P1	311MIX502-C1
311MIX503-P1	311MIX503-C1
311MIX504-P1	311MIX504-C1
311MIX601-P1	311MIX601-C1
311MIX602-P1	311MIX602-C1
311MIX603-P1	311MIX603-C1
311MIX604-P1	311MIX604-C1
341B206-P1	341B206-C1
341B207-P1	341B207-C1
341B208-P1	341B208-C1
341B209-P1	341B209-C1
341B210-P1	341B210-C1

KEYNOTES	
1	NOT ALL CONDUITS SHOWN FOR DUCTBANK, SEE SHEET 70-E104.

GARVER

REGISTRATION NO.
F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED
PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO.1	MDK

LIBERTY HILL = SMALL TOWN. BIG HEART.

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

DUCTBANK SCHEDULES

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: FDA
CHECKED BY: BSC

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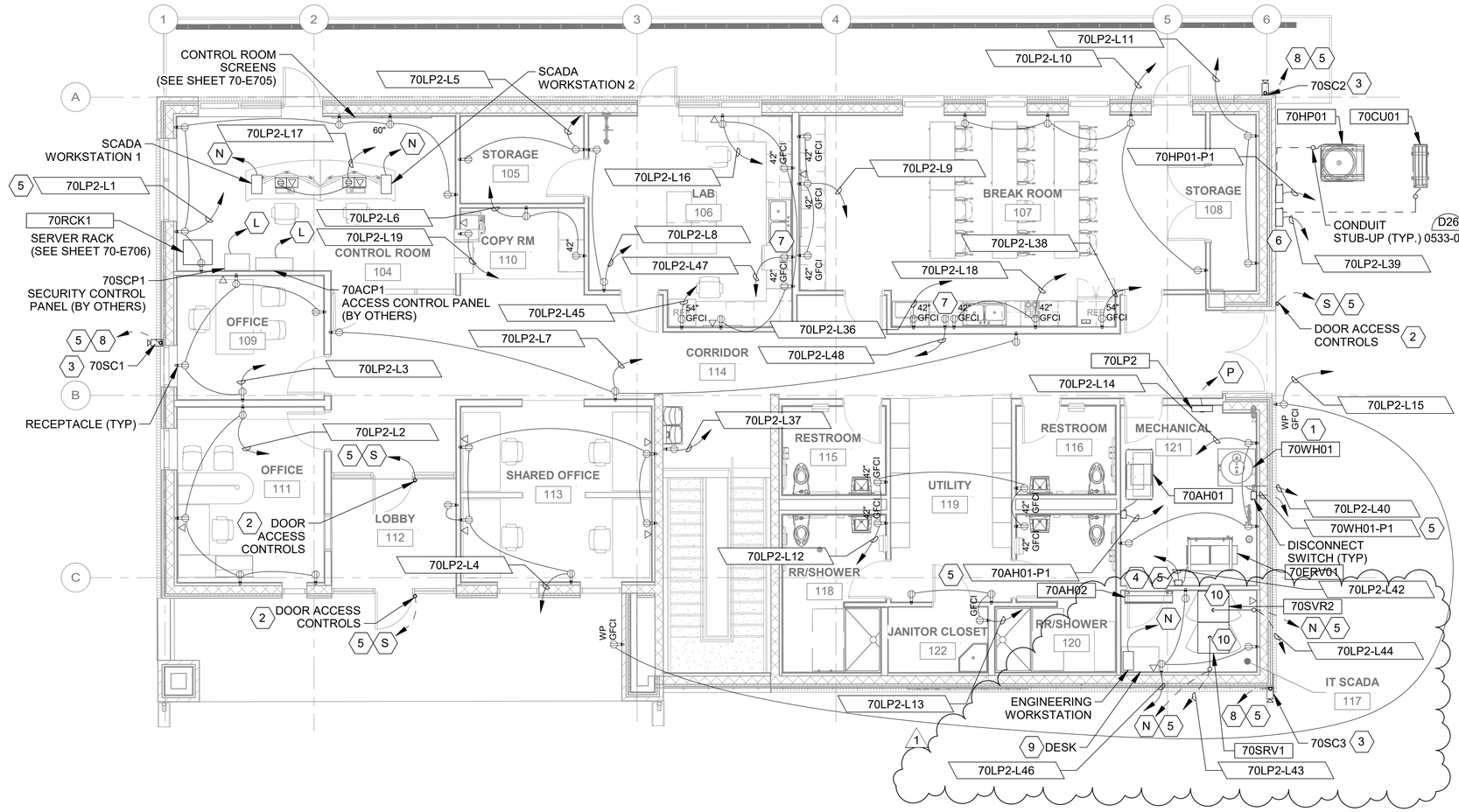
DRAWING NUMBER
05-E601

SHEET NUMBER



PROJECT NORTH

1 / 70-E101

ADMINISTRATION UPPER POWER PLAN

SCALE: 3/16" = 1'-0"

KEYNOTES

1	ALL OUTDOOR RECEPTACLE SHALL BE WEATHER PROOF GFCI WITH "WHILE IN USE" COVERS. (TYP)
2	CARD READER AND MAGNETIC DOOR LOCK TO BE INSTALLED BY OTHERS. CONDUIT SHOULD BE CUT AND CAPPED 6" A.F.G.
3	SECURITY CAMERA TO BE INSTALLED BY OTHERS. CONDUIT SHOULD BE CUT AND CAPPED 6" A.F.G.
4	INTERIOR UNIT POWERED BY OUTDOOR UNIT. CONTRACTOR SHALL MAKE ALL REQUIRED CONDUIT AND CONDUCTOR CONNECTIONS AS REQUIRED BY VENDOR FOR A FULLY FUNCTIONAL SYSTEM. CONTRACTOR SHALL SIZE CONDUIT AND CONDUCTORS PER NEC REQUIREMENTS.
5	ALL CONDUITS TO BE ROUTE ALONG CEILING OF LOWER LEVEL. CONDUITS TO BE SECURED TO CELING OF LOWER LEVEL WITH STAINLESS STEEL UNISTRUT, STRAPS & HARDWARE. CONTRACTOR TO INSTALL SUPPORTS EVERY 5 FEET IN STRAIGHT RUNS AND EVERY FOOT AT BENDS. (TYP)
6	CONTRACTOR TO INSTALL 240V, 100A/2P, NEMA 3R DISCONNECT SWITCH.
7	DEDICATED GFCI RECEPTACLE FOR DISHWASHER.
8	FOR FUTURE ACCESS AND SECURITY COMMUINICATION CONNECTIONS, SEE INTERCONNECTION DIAGRAMS STARTING ON SHEET 70-E501.
9	CONTRACTOR TO PROVIDE AND INSTALL 36" X 24" DESK FOR ENGINEERING WORKSTATION.
10	CONDUIT SHALL BE ROUTED ALONG WALL AND CEILING. CONDUITS TO BE SECURED TO WALL AND CELING WITH STAINLESS STEEL UNISTRUT, STRAPS & HARDWARE. CONTRACTOR TO INSTALL SUPPORTS EVERY 5 FEET IN STRAIGHT RUNS AND EVERY FOOT AT BENDS.

CIRCUIT LEGEND

P	FOR 480VAC CONDUIT AND CONDUCTORS, SEE ONE-LINE DIAGRAMS STARTING ON SHEET 90-E507.
N	FOR COMMUNICATION CONDUIT AND CONDUCTORS, SEE SCADA ARCHITECTURE DIAGRAM ON SHEET 95-T101.
C	FOR CONTROL CONDUIT AND CONDUCTORS TO PLC, SEE CORRESPONDING FACILITY'S INTERCONNECT DIAGRAMS STARTING ON SHEET 70-E501.
S	FOR SIGNAL CONDUIT AND CONDUCTORS TO PLC, SEE CORRESPONDING FACILITY'S INTERCONNECT DIAGRAMS STARTING ON SHEET 70-E501.

NOTES:

1. REFER TO SECTION "01-GENERAL" FOR GENERAL ELECTRICAL NOTES.
2. UNLESS OTHERWISE NOTED, ALL CONDUIT TO BE ROUTED UNDERGROUND. ALL EXPOSED CONDUIT AND PORTIONS OF THE CONDUIT SYSTEM FOR THIS STRUCTURE SHALL BE SURFACE MOUNTED AND THE CONDUIT SYSTEM SHALL BE ALUMINUM. ALL BELOW GRADE CONDUIT SHALL BE SCHEDULE 40 PVC WITH GALVANIZED ELBOW IN CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO PVC COATED ALUMINUM THROUGH THE CONCRETE SLAB THEN CONVERT TO ALUMINUM.
3. CONTRACTOR SHALL COORDINATE CONDUIT, WIRE AND INTERCONNECTIONS AS REQUIRED BY EQUIPMENT SUPPLIER. MAKE ALL REQUIRED CONNECTIONS ACCORDING TO MANUFACTURERS RECOMMENDATIONS. NOT ALL CONNECTIONS SHOWN.
4. SOME CONDUIT RUNS OMITTED FOR CLARITY. COORDINATE ALL CONDUIT ROUTING WITH SUPPLIED EQUIPMENT MANUFACTURER AND ENGINEER PRIOR TO INSTALLATION.
5. ALL LOWER RECEPTACLES FED THROUGH PLUG-LOAD CONTROLS IN ACCORDANCE WITH IECC 2021 REQUIREMENTS.

GARVER

REGISTRATION NO. F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO. 1	MDK

LIBERTY HILL NORTH FORK WWTP

CITY OF LIBERTY HILL
LIBERTY HILL, TX

ADMINISTRATION UPPER POWER PLAN

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: MTJ
CHECKED BY: BSC

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70-E101

SHEET NUMBER

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Plot Date: 8/20/2026 5:02:24 PM

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	FIXTURE WATTAGE	VOLTAGE	MOUNTING
A1	LED 4' LOW-PROFILE ENCLOSED AND GASKETED - 4000 LUMENS	LITHONIA	FEM L48 4000LM IMAFL MD 80CRI 40K	24	120	SURFACE MOUNT
A1E	LED 4' LOW-PROFILE ENCLOSED AND GASKETED - 4000 LUMENS W/ INTEGRAL BATTERY PACK	LITHONIA	FEM L48 4000LM IMAFL MD 80CRI 40K	24	120	SURFACE MOUNT
A3	LED 4' LOW-PROFILE ENCLOSED AND GASKETED - 6000 LUMENS	LITHONIA	FEM L48 6000LM IMAFD WD 80CRI 40K	38	120	SURFACE MOUNT
A3E	LED 4' LOW-PROFILE ENCLOSED AND GASKETED - 6000 LUMENS W/ INTEGRAL BATTERY PACK	LITHONIA	FEM L48 6000LM IMAFD WD 80CRI 40K	38	120	SURFACE MOUNT
B1	WALL MOUNTED WALLPACK	LITHONIA	TWH-LED-ALO-40K-T3M-120	78	120	WALL MOUNT
B1E	WALL MOUNTED WALLPACK W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	TWH-LED-ALO-40K-T3M-120	78	120	WALL MOUNT
B2	WALL MOUNTED WALLPACK	LITHONIA	TWH-LED-ALO-40K-T3M-208	78	208	WALL MOUNT
B2E	WALL MOUNTED WALLPACK W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	TWH-LED-ALO-40K-T3M-208	78	208	WALL MOUNT
C1	6" ROUND OPEN DOWNLIGHT - 1500 LUMENS	LITHONIA	LDN6 30/15 LO6AR LS	18	120	RECESSED CEILING
C1E	6" ROUND OPEN DOWNLIGHT - 1500 LUMENS W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	LDN6 30/15 LO6AR LS	18	120	RECESSED CEILING
C2	6" ROUND OPEN DOWNLIGHT - 2000 LUMENS	LITHONIA	LDN6 30/20 LO6AR LS	23	120	RECESSED CEILING
C2E	6" ROUND OPEN DOWNLIGHT - 2000 LUMENS W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	LDN6 30/20 LO6AR LS	23	120	RECESSED CEILING
D1	2'X4' LOW PROFILE RECESSED CEILING LIGHT	LITHONIA	2BLT4 60L ADP LP835	53	120	RECESSED CEILING
D1E	2'X4' LOW PROFILE RECESSED CEILING LIGHT W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	2BLT4 60L ADP LP835	53	120	RECESSED CEILING
F1	LED AREA FIXTURE MOUNTED ON ALUMINUM ROUND TAPERED POLE. REFER TO DRAWINGS FOR POLE HEIGHTS.	LITHONIA	DSX1 LED P1 40K 80CRI T2M	51	120	POLE MOUNT
F2	LED AREA FIXTURE WITH HOUSESIDE SHIELD MOUNTED ON 30' ALUMINUM ROUND TAPERED POLE.	LITHONIA	DSX2 LED P2 40K 80CRI T4M HS	180	120	POLE MOUNT
G1	8' RECTANGULAR LED SUSPENDED LIGHT	PEERLESS	PRPD MSL8 80CRI 3000K 600LMF	43	120	SUSPENDED
G1E	8' RECTANGULAR LED SUSPENDED LIGHT W/ INTEGRAL EMERGENCY BATTERY PACK	PEERLESS	PRPD MSL8 80CRI 3000K 600LMF	43	120	SUSPENDED
G2	4' RECTANGULAR LED SUSPENDED LIGHT	PEERLESS	PRPD MSL4 80CRI 3000K 600LMF	22	120	SUSPENDED
G2E	4' RECTANGULAR LED SUSPENDED LIGHT W/ INTEGRAL EMERGENCY BATTERY PACK	PEERLESS	PRPD MSL4 80CRI 3000K 600LMF	22	120	SUSPENDED
H1	LED WALL CYLINDER SCONCE	LITHONIA	OLLWD LED P1 40K MVOLT	10	MVOLT	WALL MOUNT
J1	11.52"X14.44" RECTANGULAR LED HIGH BAY LIGHTS	LITHONIA	CPHB 12000LM HEF GCL WD 40K 80CRI	75	120	RECESSED CEILING
J1E	11.52"X14.44" RECTANGULAR LED HIGH BAY LIGHTS W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	CPHB 12000LM HEF GCL WD 40K 80CRI	75	120	RECESSED CEILING
J2	11.52"X14.44" RECTANGULAR LED HIGH BAY LIGHTS	LITHONIA	CPHB 9000LM HEF GCL MD 40K 80CRI	75	120	SUSPENDED
J2E	11.52"X14.44" RECTANGULAR LED HIGH BAY LIGHTS W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	CPHB 9000LM HEF GCL MD 40K 80CRI	75	120	SUSPENDED
K1	4' RECTANGULAR LED WALL MOUNTED LIGHT	PEERLESS	RNNAWD LSL 4FT MSL4 90CRI 40K 300LMF SSH * MIN1 MVOLT	14	MVOLT	WALL MOUNT
L1	22" LED SWIVEL UNDERCABINET WITH SWITCHABLE WHITE, DIMMABLE	LITHONIA	UPLD 22IN SWW4 90CRI	12	120	SURFACE MOUNT
M1	WALL-WASH, KNUCKLE MOUNT, 30K, 2069 LUMENS	RAB	FFLED18Y	20	120	KNUCKLE MOUNT
N1	DUAL HEAD LED OBSTRUCTION LIGHT	FAA APPROVED	L-810	20	120	SURFACE MOUNT
X	EMERGENCY EXIT LIGHT	LITHONIA	LLXC-W-1-RW-CH3	13	120	WALL MOUNT
XE	EMERGENCY EXIT LIGHT W/ INTEGRAL EMERGENCY BATTERY PACK	LITHONIA	LLXC-W-1-RW-CH3	13	120	WALL MOUNT

1 LIGHTING FIXTURE SCHEDULE
SCALE: NOT TO SCALE

Revit File: Autodesk Docs://W07-2401219 - Liberty Hill North Fork WWTP Design/W07-2401219_90_ELECTRICAL.rvt
Plot Date: 8/21/2026 2:57:15 PM

GARVER

REGISTRATION NO.
F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO. 1	MDK

LIBERTY HILL · SMALL TOWN · BIG HEART

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

LIGHTING FIXTURE SCHEDULE

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: MDK
DRAWN BY: KL
CHECKED BY: BSC

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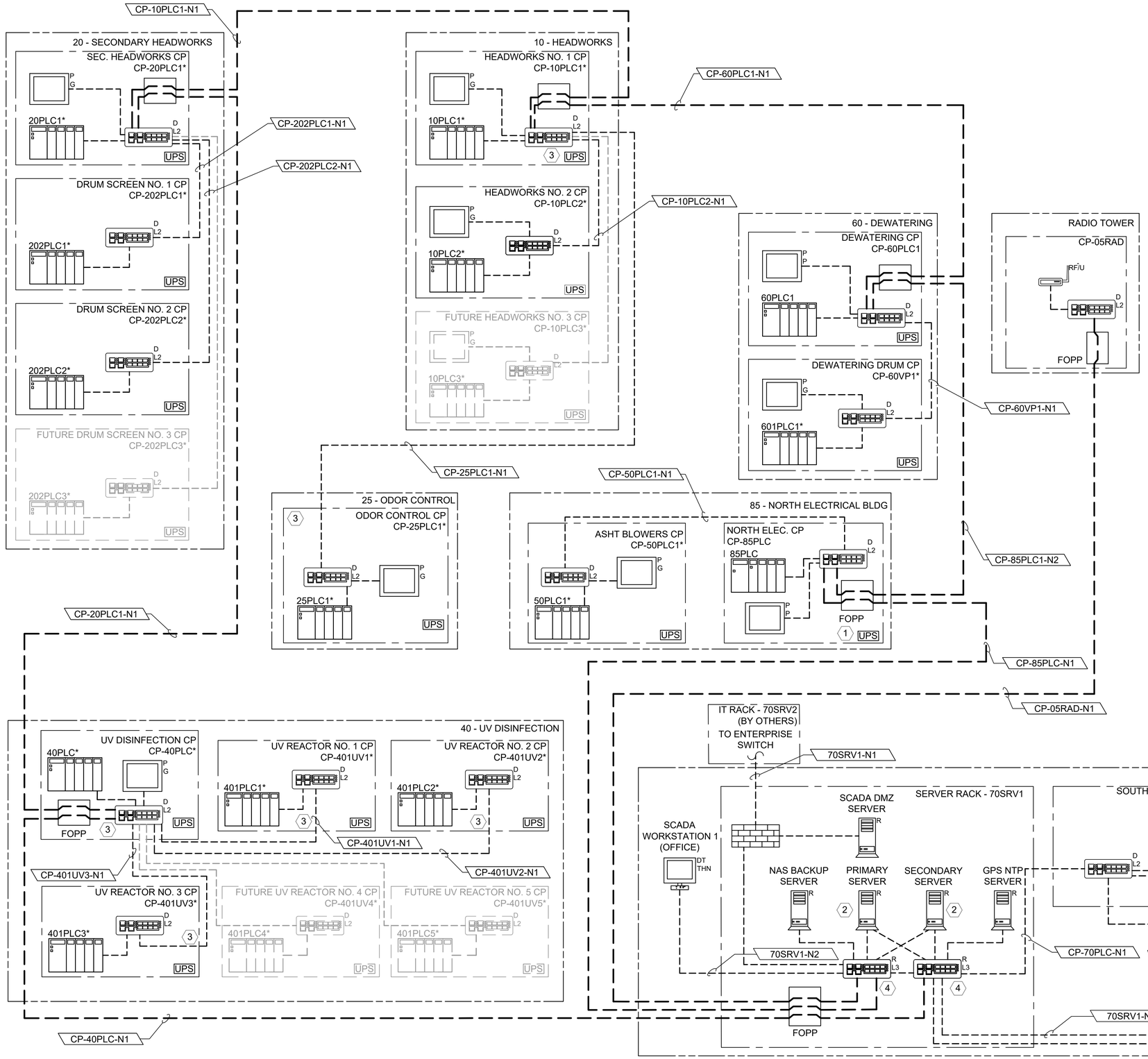
DRAWING NUMBER
90-E606

SHEET NUMBER



LEGEND:

- ETHERNET
- FIBER OPTIC
- HDMI
- ETHERNET SWITCH
  - M: R - RACK, D - DIN, S - SURFACE
  - T: ML - MULTILAYER, L3 - LAYER 3, L2 - LAYER 2
- OIT
  - M: D - DIN, P - PANEL
  - T: G - GRAPHIC DISPLAY, P - PANEL PC, L - LARGE FORMAT DISPLAY
- FIREWALL
- WIRELESS MODEM
  - T: C - CELLULAR, RF/U - RF UNLICENSED, RF/L - RF LICENSED
- SERVER
  - M: R - RACK, T - TOWER
- WIRELESS ACCESS POINT
- CLIENT WORKSTATION
  - M: DT - DESKTOP, V - VESA
  - T: THK - THICK, THN - THIN
- CONTROLLER (PLC/RTU/RIO)
- FIBER PATCH PANEL (FOPP)
- UPS — UNINTERRUPTIBLE POWER SUPPLY (UPS)

NOTES:

1. FUTURE INSTALLATION HARDWARE AND LINE TYPES ARE LIGHT/FADED. PROPOSED NEW HARDWARE AND LINE TYPES ARE DARK/BOLD.
2. CONNECTIONS TO PLC AND RIO SYMBOLS ARE TO SHOW COMMUNICATION NETWORK CONNECTIONS. REFER TO MANUFACTURER O&M MANUALS FOR ACTUAL MODULE TERMINATION POINTS.
3. COORDINATE SCADA NETWORK CONFIGURATION WITH ENGINEER AND OWNER.
4. CONDUITS SHALL BE SIZED TO MEET NEC CONDUCTOR FILL REQUIREMENTS PLUS AN ADDITIONAL 25% EXTRA FILL SPACE. MINIMUM CONDUIT SIZE SHALL BE 3/4" FOR EXPOSED APPLICATIONS AND 1" FOR BELOW GRADE. CONTRACTOR TO PROVIDE JUNCTION BOXES AS NEEDED.

KEY NOTES:

1. CONTRACTOR SHALL SIZE UPS TO PROVIDE POWER TO PANEL FOR A MINIMUM OF 30 MINUTES (TYP).
2. NEW SCADA HMI SERVER COMPUTERS IN A REDUNDANT CONFIGURATION.
3. ANY COPPER ETHERNET LEAVING THE CONTROL PANEL/ENCLOSURE SHALL INCLUDE SURGE PROTECTION AT BOTH ENDS (PANEL END AND FIELD/DEVICE END).
4. NEW LAYER 3 SWITCHES IN A REDUNDANT CONFIGURATION.

GARVER

REGISTRATION NO.
F-5713

STATE OF TEXAS
MOSES D. KAMUGISHA
157959
LICENSED
PROFESSIONAL ENGINEER

Digitally Signed 08/28/2026

REV	DATE	DESCRIPTION	BY
1	08/28/26	ADDENDUM NO. 1	MDK

CITY OF LIBERTY HILL
LIBERTY HILL, TX

LIBERTY HILL NORTH FORK WWTP

SCADA ARCHITECTURE DIAGRAM

JOB NO.: W07-2401219
DATE: AUG. 2026
DESIGNED BY: SJM
DRAWN BY: OG
CHECKED BY: SJM

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DRAWING NUMBER
95-T101

SHEET NUMBER

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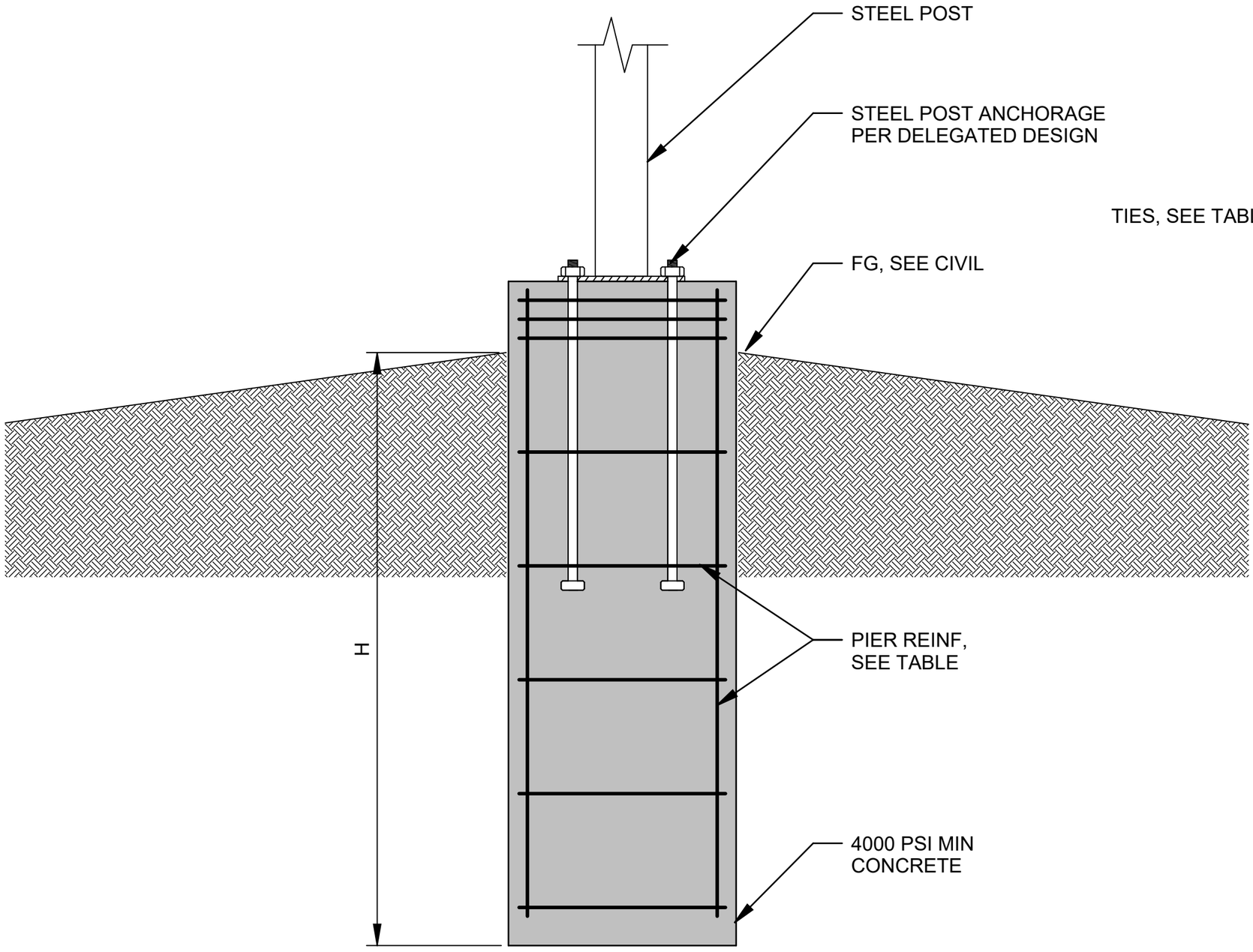
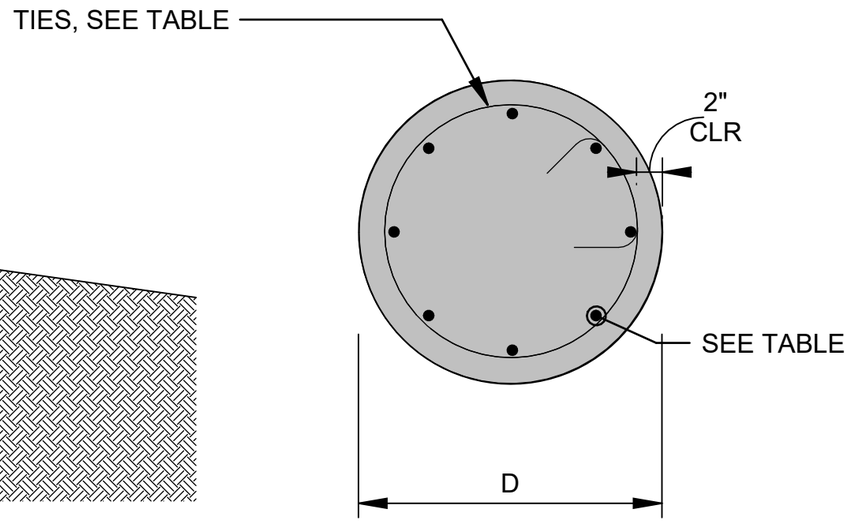
Last plotted by: Baek, Seonjae Plot Style: AECmono.ctb Plot Scale: 1:2.5849 Plot Date: 8/20/2026 5:40 PM Plotter used: None





# OF POST	POST DIAM., D (IN)	POST EMBEDMENT, H (FT)	REINF	
			VERT	TIES
2	30	7	(10) - #8	#3@16"
3	24	7	(8) - #7	#3@14"
4	24	6	(8) - #7	#3@14"

NOTES:

1. CONCRETE PIER FOUNDATION SHALL BE SELECTED FROM THE TABLE ABOVE BASED ON THE NUMBER OF SUPPORT POSTS AND DESIGN REACTIONS PROVIDED BY THE SIGN MANUFACTURER.
2. CONTRACTOR SHALL COORDINATE ACTUAL POST SPACING, ANCHOR ROD LAYOUT, AND DIMENSIONS WITH APPROVED DELEGATED SIGN SHOP DRAWINGS PRIOR TO FOUNDATION CONSTRUCTION.
3. FOUNDATION DIMENSIONS AND REINFORCING SHOWN ARE MINIMUM REQUIREMENTS AND SHALL BE VERIFIED AGAINST DELEGATED SIGN DESIGN LOADS.
4. ANCHOR RODS, BASE PLATES, AND POST-TO-FOUNDATION CONNECTIONS SHALL BE DESIGNED BY THE DELEGATED SIGN ENGINEER.

REV	DATE	DESCRIPTION	BY

GARVER

CITY OF LIBERTY HILL

3604 RONALD REAGAN BLVD, LIBERTY HILL, TX 78642

NORTH FORK WWTP

MAIN PLANT SIGN FOUNDATION

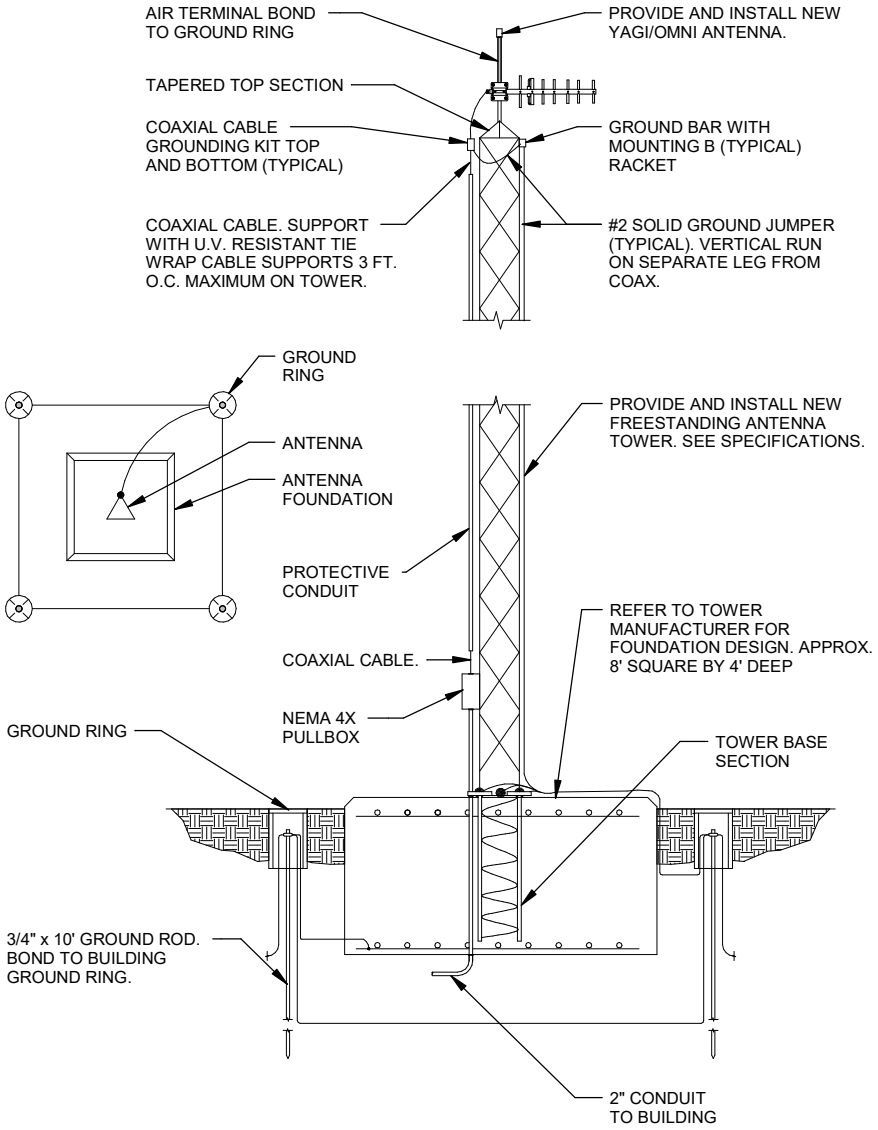
DIVISION
D03

SECTION - DETAIL NO.
3000-905

JOB NO.:W07-2401219

DETAIL NOT TO SCALE

DATE: AUG. 2026



NOTE:

1. PROVIDE FAA TYPE L-810 OBSTRUCTION LIGHT COMPLIANT WITH APPLICABLE FAA REQUIREMENTS FOR THE TOWER INSTALLATION.

REV	DATE	DESCRIPTION	BY

GARVER

CITY OF LIBERTY HILL

3604 RONALD REAGAN BLVD, LIBERTY HILL, TX 78642

NORTH FORK WWTP

TYPICAL ANTENNA TOWER DETAIL

DIVISION D33

SECTION - DETAIL NO. 8100-001

JOB NO.:W07-2401219 | DETAIL NOT TO SCALE | DATE: AUG. 2026