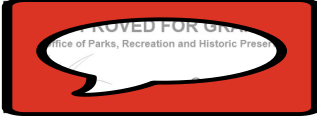




Village of Saranac Lake

39 Main Street, Suite 9
Saranac Lake, NY 12983
Phone (518) 891-4150
Fax (518) 891-5928
www.saranaclakeny.gov



INVITATION TO BID

SEALED BIDS ARE HEREBY SOLICITED UNDER SECTION 103 OF THE GENERAL MUNICIPAL LAW BY THE VILLAGE BOARD OF THE VILLAGE OF SARANAC LAKE FOR THE FOLLOWING: "1 3 Main Street Water Chambers Infrastructure Repair BID".

- 1 - Bids are to be addressed to the Village Clerk and the **SEALED ENVELOPE SHOULD BE PLAINLY MARKED WITH THE NAME OF THE ITEM TO BE BID AND THE DATE OF THE BID OPENING.**
- 2 - Bids must be detailed categorically in the same order as specification to facilitate reading and study.
- 3 - The bidder must be a duly authorized representative of the company he represents for a period of at least one year.
- 4 - If the bidder proposes to modify a product or service as to make it conform to the requirements of the Invitation for Bids, he shall (a) include in his bid a clear description of such proposed modifications, and (b) clearly mark any descriptive material to show the proposed modifications.
- 5 - Modifications proposed after bid opening to make a product or service conform to the specifications will not be considered.
- 6 - A non-collusion statement must accompany the bid(s).
- 7 - The Village reserves the right to reject, in its sole discretion, any apparent low bid on the ground that the bidder is not a responsible bidder, based on objective criteria, including but not limited to proper capabilities, experience, equipment, qualifications and other factors.
- 8 - The Village reserves the right to reject any and all bids if, in its' opinion, such action is in the best interest of The Village.
- 9 - All items in the following specifications shall be deemed to include the words "or approved equal". The bidder must submit with bid, detailed specifications, circulars, and all necessary data on supplies, and services he proposes to furnish. If supplies or services offered differ from the provisions contained in this specification, such differences must be explained in detail, and bid will receive careful consideration that such deviations do not depart from the intent of these specifications and are to the best interests of the Village Board.
- 10 - This project is funded in part by a grant from the NYS Office of Parks, Recreation and Historic Preservation through Title 9 of the Environmental Protection Act of 1993.
- 11 - All bidders are subject to the terms of the State of New York Contract for Grants -- Standard Terms and Conditions, which can be found online at

12 - Upon selection, for all contracts that equal or exceed \$100,000, the contractor will be required to submit to the State a Vendor Responsibility Questionnaire: Construction – For-Profit. The questionnaire can be found online at http://www.osc.state.ny.us/vendrep/forms_vendor.htm.

13 - Effective December 30, 2024, all contractors and subcontractors submitting bids or performing construction work on public work projects or private projects covered by Article 8 of the Labor Law are required to register with the New York State Department of Labor under Labor Law Section 220-i. A Certificate of Registration with a unique registration number will be issued to the applicant electronically through the Contractor Registry portal. A digital copy of the certificate must be submitted with bid submission or bidder may be found to be non-responsive. Contractors are responsible for verifying that any subcontractors they work with are registered. Please refer to this website for information: <https://dol.ny.gov/contractor-and-subcontractor-landing>.

Special Conditions - Historic Significance Acknowledgement

This property has been determined to possess historic (e.g., architectural, engineering, artistic) significance and is listed in the National Register of Historic Places. The contractor shall recognize that all aspects of the property may potentially contribute to this significance and the contractor shall not judge the relative significance of any features nor the impact of any or all proposed work; this responsibility shall rest solely with the architect. Consequently, no deviations from the contract documents shall be performed and no features or materials shall be altered, removed, reused, or taken from the premises, without the written approval of the architect as being consistent with the requirements of the contract documents. All work shall be consistent with The Secretary of the Interior's Standards for the Treatment of Historic Properties.

All federal and state taxes will be excluded. Tax exemption certificates will be furnished to the successful bidder.

NOTICE TO CONTRACTORS, SUBCONTRACTORS, SUPPLIERS AND VENDORS

must be included in the Bid Package and attached to all contracts and subcontracts.

This project is funded in part by a grant from the NYS Office of Parks, Recreation and Historic Preservation through Title 9 of the Environmental Protection Act of 1993. All contracts and subcontracts for the project are subject to the terms of the State of New York Contract for Grants (SNYCG) -- Standard Terms and Conditions, which can be found online at <https://grantsmanagement.ny.gov/state-agency-resources>, Appendix A (A), Attachment A-1 (A1) and Attachment A-2 (A2), attached hereto. *If any other funding sources are involved in the project, the grantee is responsible for compliance with the program requirements for those funding sources.* Note particularly the following requirements:

- The State's right to review and approve every subcontract in excess of \$100,000. SNYCG III (B)(2)
- The requirement that subcontracts contain provisions specifying (1) that work accord with the terms of the State of New York Contract for Grants, (2) that nothing in the subcontract shall impair the rights of the State under the State of New York Contract for Grants, and (3) that nothing in the subcontract, nor under the State of New York Contract for Grants creates any contractual relationship between the subcontractor and the State. SNYCG III (B)(2)
- Contractor's responsibility to submit vendor responsibility information to the State, including a Vendor Responsibility Questionnaire for subcontracts that equal or exceed \$100,000. SNYCG III (B)(4)
- Non-discrimination requirements A(5) and A1(F)
- Equal Opportunity provisions, including a requirement that the following provisions be included in construction subcontracts in excess of \$25,000:
 - The Contractor shall not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status;
 - The Contractor shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on State contracts;
 - The Contractor shall undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination. Affirmative action shall mean recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation;
 - At the request of the State, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union or representative shall not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative shall affirmatively cooperate in the implementation of the Contractor's obligations herein; and
 - The Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the State contract, all qualified applicants shall be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status. A(12) and A1(F)
- Wages and Hours Provisions A(6)
- New York State business requirement A(20)
- Worker's Compensation and Disability Benefits Insurance coverage SNYCG III (I) (L), A (4), A1(E)

Description of the Items is as follows:

The Lake Flower Hydroelectric Project (The Project) is owned and operated by the Village of Saranac Lake (The Village). The Project location is at 1-3 Main Street in Saranac Lake, NY. The complex consists of two buildings adjacent to the Lake Flower Dam and downstream of a bridge on Main Street. One Main Street, constructed in 1909, is a approximately 40-feet by 55-feet brick masonry and wood trussed building which houses the powerhouse for a single turbine (Powerhouse Building). Three Main Street, later constructed in 1927, is a three-story, approximately 40-feet by 66-feet steel and masonry building which currently serves as an office building (Office Building).

Intake sluice gates on the upstream side of Main Street bridge allow the entry of Lake Flower Reservoir waters into the basement (Water Chamber) of the Office Building of the 1-3 Main Street complex which then flows directly underneath both building structures, through the turbine in the Powerhouse Building and discharges into the Saranac River. Recently, engineering inspections have identified water infiltration into the Water Chamber and deterioration to walls and structural members both inside the Water Chamber and exteriorly at foundation wall at the Water Chamber level. Work under this contract shall include repairs to the exterior foundation wall at the Water Chamber level and repairs to structural elements at the interior of the Water Chamber.

- **Task 1: Repair measures shall commence at the exterior foundation wall to repair that area and limit water infiltration into the structure. Prior to any repair measures:**

- A dive inspection shall be performed at the exterior northeast corner of the Office Building to obtain a more detailed understanding of the extents of voids/leakage present at the silt level at that location.
- Erosion and sediment controls shall be established.
- Silt removal shall be performed prior to the dive inspection.

Task 1 Cost: _____

- **Task 2: Once the dive inspection has been performed:**

- Repair extents shall be refined, and a steel bulkhead shall be fabricated.
- Normal water levels will be maintained during the execution of Work at this location.
- Deteriorated and unsound foundation wall material at the exterior northeast corner shall be removed and disposed of off-site.
- The repair entails the installation of hooked dowels, reinforcement, and waterstops in preparation for a steel bulkhead installation.
- The steel bulkhead shall be lowered into place and anchored to sound material of the existing structures.
- Concrete shall be tremie placed into the bulkhead to seal voids and provide a structural overlay at that location.

Task 2 Cost: _____

- **Task 3: Once repairs have been completed at the exterior corner of the Office Building:**

- Repairs to the interior Water Chamber may be performed.
- Intake gates will be lowered and the area allowed to drain into the tailrace.
- First, access shall be established to the Water Chamber through the 32-inch-diameter hatch in the Powerhouse Building Turbine Room floor.
- All leakage inside the Water Chamber shall be observed and reported to the Engineer.
- Additional repairs may be required if leakage has not been stymied by exterior bulkhead repair.

- Install temporary diversion and dewatering systems, as required. Water chamber repairs shall commence with removal of the upstream concrete ceiling between the most upstream W27 steel beam (bottom flange encased in concrete) and the upstream reinforced concrete beam.

Task 3 Cost: _____

- **Task 4: Once the ceiling has been removed, an engineering inspection of the ceiling area will be conducted to identify if additional or modified repair measures are required. Repairs outlined in this contract are as follows:**

- The upstream reinforced concrete beam is in deteriorated condition. Loose and unsound concrete shall be removed from this beam and disposed of off-site.
- All reinforcement encountered shall be protected for reuse.
- A reinforced concrete corbel shall be installed below the deteriorated beam to support the beam. For this Work, hooked dowels and reinforcement shall be installed, formwork installed, and concrete placed.
- Once the corbel has been installed, repair the reinforced concrete beam.
- Install formwork and place concrete.
- With the concrete ceiling removed, existing first floor structural members shall be refurbished and waterproofed.
- For steel W27 and W10 stringers, blast clean all exposed surfaces and paint members with primer, intermediate coat, and top coat paint system.
- Dispose of waste materials off-site.
- For exposed concrete floor and concrete structural elements, prepare surfaces and install cementitious waterproofing.
- Existing void and cracks in north wall (which had been exhibiting leakage) shall be repaired.
- For void repair, removed loose and unsound material around void.
- Sawcut and remove rectangular area around void.
- Install hooked dowels, reinforcement, formwork, and place concrete in the void.
- For cracks, rout crack along crack extents, prepare surfaces, drill injections ports, and follow pressure injection procedures to fill crack with repair material.

Total Bid Price for Tasks 1, 2, 3 & 4: _____

THE VILLAGE OF SARANAC LAKE RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITY AS DEEMED NECESSARY WITHOUT AN INCREASE TO THE UNIT BID PRICE.

SEALED BIDS TO BE OPENED AT **2:30 PM ON DECEMBER 12, 2025** IN THE BOARD ROOM OF THE VILLAGE OFFICE AT 39 MAIN STREET, 2ND FLOOR SUITE 9, SARANAC LAKE, NY 12983

Published: _____

Name of bidder: _____

Address: _____

APPROVED FOR GRANT

TO THE BOARD OF TRUSTEES, VILLAGE OF SARANAC LAKE, NEW YORK

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party hereto certifies as to its own organization under penalty of perjury, that to the best of his knowledge and belief:

- 1 - The prices in this bid have been arrived at independently without collusion, consultation, communications, or agreement, for the purpose of restricting competition as to any matter relating to such prices with any other bidder or competitor.
- 2 - Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
- 3 - No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

WE, THE UNDERSIGNED, PROPOSE TO FURNISH ALL MATERIALS CALLED FOR IN FULL ACCORDANCE WITH THE SPECIFICATIONS AND INSTRUCTIONS IN THE ATTACHED BID, OR PROPOSAL, AND AGREE TO ALL CONDITIONS THEREIN.

FIRM: _____

ADDRESS: _____

PHONE NUMBER: _____

SIGNED BY: _____

TITLE _____

PROJECT
OWNER:

VILLAGE OF SARANAC LAKE, NY

DAM:

LAKE FLOWER PROJECT
SARANAC LAKE, NY
FERC NO. 8369-NY

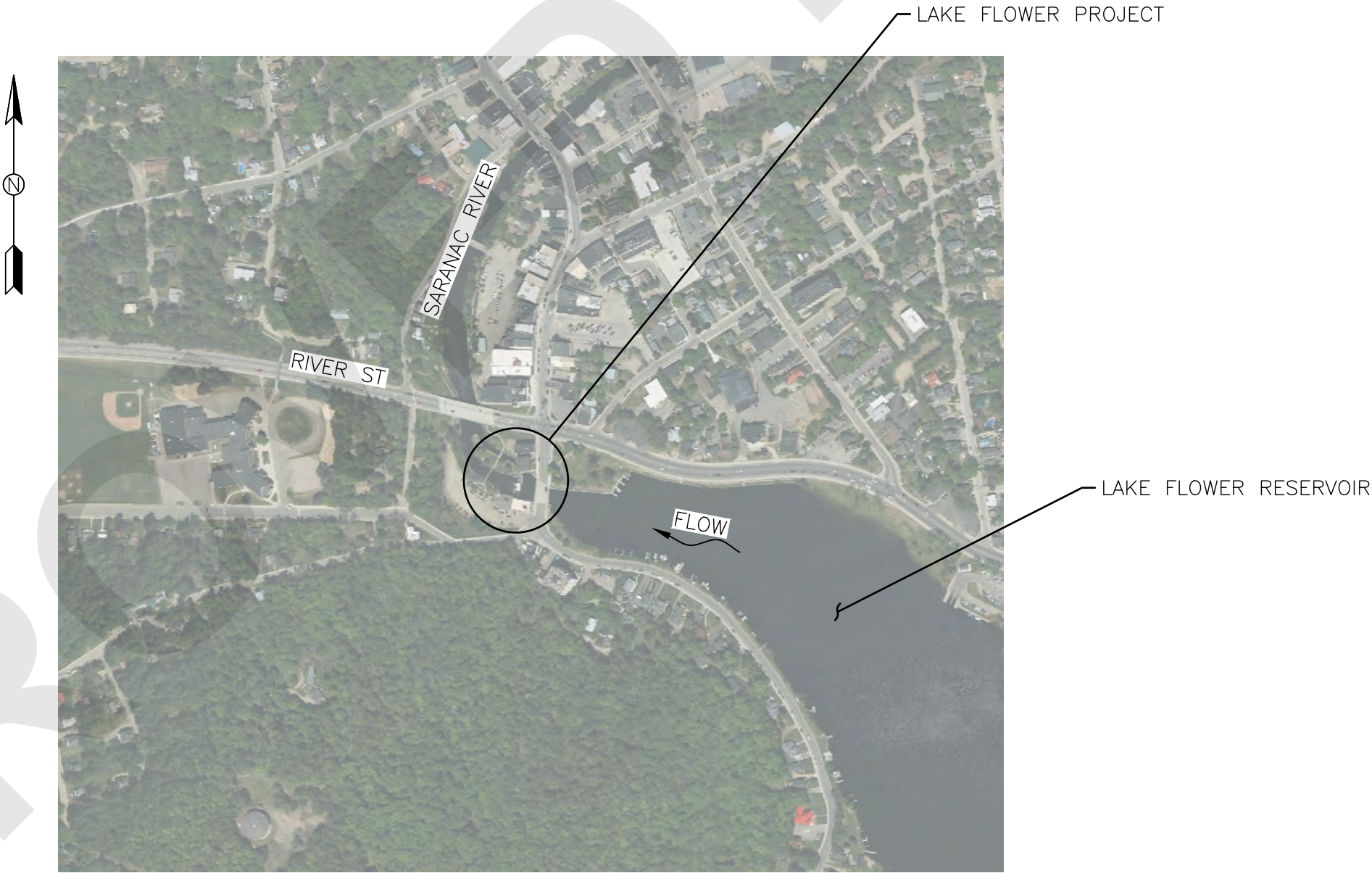
PROJECT
TITLE:

WATER CHAMBER REPAIR

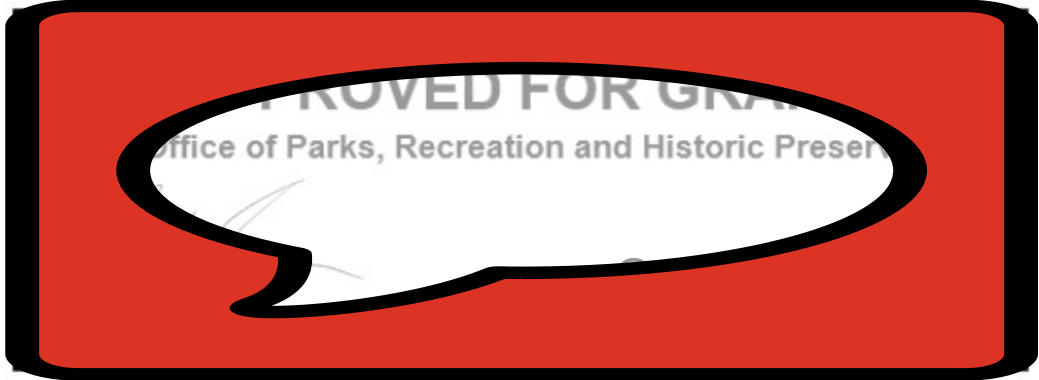
PROJECT
ENGINEER:



KEY PLAN
SCALE: NTS



LOCATION PLAN
SCALE: 1" = 500'



ISSUED FOR BIDDING

CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



COVER SHEET

DWG NO.:

G-0

SCALE: AS NOTED ISSUE DATE: 09/15/2025



09/15/25	0	ISSUED FOR BIDDING	JND	WJF	
DATE	#	ISSUED/REVISION DESCRIPTION	BY	APP	
DRAWN BY:	JND	CHECKED BY:	WJF		
APPROVED BY:	WJF	GSE PROJECT NO.:	2663		

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of New York.

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANYWAY UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. ALTERATIONS MUST HAVE THE ENGINEER'S SEAL AFFIXED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE.

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANYWAY UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. ALTERATIONS MUST HAVE THE ENGINEER'S SEAL AFFIXED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE.

GENERAL NOTES:

- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY AND FOR COMPLIANCE WITH ALL OSHA REGULATIONS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF OR HERSELF WITH EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION REQUIRED, PRIOR TO THE BID SUBMISSION.
- INFORMATION FOR THE EXISTING STRUCTURE WAS DERIVED FROM LIMITED EXISTING DRAWINGS, LIMITED FIELD MEASUREMENTS AND INFORMATION PROVIDED BY THE OWNER. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, MATERIALS, AND EXISTING CONDITIONS PRIOR TO THE START OF FABRICATION, START OF WORK, AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ALL DISCREPANCIES BEFORE PROCEEDING. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT THE EXISTING STRUCTURE DURING INSTALLATION OF ALL NEW WORK.
- THE LOCATIONS AND INFORMATION ABOUT UNDERGROUND PIPES, UTILITIES OR OTHER STRUCTURES ARE COMPILED FROM AVAILABLE RECORD DATA AND VISIBLE FIELD EVIDENCE AND ARE NOT REPRESENTED AS BEING EXACT OR COMPLETE.
- CONTRACTOR SHALL DETERMINE LOCATION OF EXISTING UTILITIES INCLUDING CONDUITS, LIGHTS, AND OTHER MECHANICAL EQUIPMENT BEFORE COMMENCING WORK. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MAY OCCUR BY FAILURE TO LOCATE AND PRESERVE EXISTING UTILITIES.
- THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY DAMAGE TO EXISTING PIPES, UTILITIES, OR STRUCTURES TO THE OWNER AND THE OWNER'S REPRESENTATIVE, AND OBTAIN DIRECTIONS AS TO REPAIR, REPLACEMENT OR ABANDONMENT.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT AND PREVENT DAMAGE TO ELECTRICAL AND MECHANICAL EQUIPMENT, CONTROLS, AND OTHER EXISTING STRUCTURES FROM CONSTRUCTION ACTIVITIES.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES AND UNTIL THE PRE-CONSTRUCTION MEETING HAS BEEN CONDUCTED.
- THE CONTRACTOR SHALL RECORD TIE MEASUREMENTS, DEPTHS, DIMENSIONS, MATERIALS, FIELD CONDITIONS AND OTHER PERTINENT DATA ABOUT ALL PIPES, UTILITIES, TOPOGRAPHY, AND STRUCTURES ENCOUNTERED DURING THE WORK, BOTH EXISTING AND CONSTRUCTED. CONTRACTOR SHALL SUBMIT RECORD DRAWINGS WITH THIS INFORMATION TO THE OWNER'S ENGINEER, UPON COMPLETION OF THE WORK.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL NOTIFY OWNER'S ENGINEER OF ANY DISCREPANCIES IN THE DRAWINGS.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS WITHOUT PRIOR APPROVAL FROM ENGINEER.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BRACE, SUPPORT, AND SHORE THE EXISTING STRUCTURE AS REQUIRED FOR REMOVALS AND SHALL MAINTAIN ALL SUPPORT MEASURES UNTIL ALL CONCRETE REPAIRS HAVE CURED A MINIMUM OF 7 DAYS.
- CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEER IN WRITING OF PROPOSED DEVIATIONS OR SUBSTITUTIONS OF DIMENSIONS, MATERIALS, OR EQUIPMENT SHOWN ON THE DRAWINGS AND MAKE ONLY THOSE DEVIATIONS OR SUBSTITUTIONS ACCEPTED BY ENGINEER.
- EXCEPT AS NOTED OTHERWISE, ALL MATERIALS FROM EXCAVATIONS, REMOVALS, AND DEMOLITION SHALL BE PROPERLY DISPOSED OF OFF THE OWNER'S PROPERTY IN ACCORDANCE WITH ALL PERMIT REQUIREMENTS AND FEDERAL AND STATE REGULATIONS.
- ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL SHALL BE HAULED AWAY AND DISPOSED OF APPROPRIATELY AT THE CONTRACTOR'S EXPENSE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES PRIOR TO CONSTRUCTION ACTIVITY AND SHALL BE RESPONSIBLE FOR THEIR MAINTENANCE, REPOSITIONING AND REMOVAL. THE CONTRACTOR SHALL ENSURE PROPER EROSION AND SEDIMENT CONTROL IS MAINTAINED THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL CALL NEW YORK STATE "DIG SAFELY" BY DIALING "811" OR 1-800-962-7962 A MINIMUM OF (2) TWO WORKING DAYS PRIOR TO START OF ANY WORK.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE TO WORK OR EQUIPMENT BY HIGH WATER OR BY STORMS.
- FAILURE BY THE CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE OF ERRORS OR OMISSIONS SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND SPECIFICATIONS.
- ERECT TEMPORARY FENCING, GATES, ETC AS REQUIRED TO PROTECT AND PREVENT THE PUBLIC FROM ENTERING THE WORK ZONE.
- "LEFT" REFERS TO RIVER-LEFT LOOKING DOWNSTREAM. "RIGHT" REFERS TO RIVER-RIGHT LOOKING DOWNSTREAM.
- ALL AREAS TO BE RESTORED TO EXISTING CONDITION UPON COMPLETION OF WORK.

PERMIT NOTES:

- THE CONTRACTOR WILL BE RESPONSIBLE FOR UPDATING AND RESUBMITTING ALL PERMIT APPLICATIONS SHOULD THE PROPOSED WORK METHOD VARY FROM THAT WHICH HAS BEEN APPROVED BY THE PERMITTING AGENCIES.

CARE AND DIVERSION OF WATER NOTES:

- THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN, AND REMOVE ALL WATER DIVERSION SYSTEMS, STOPLOGS, PIPING AND PUMPS, ETC. AS REQUIRED TO PERFORM THE WORK AND BYPASS FLOWS AROUND THE WORK SITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE SUFFICIENT PUMPING CAPACITY TO DEWATER THE WORK AREA AND ACCOUNT FOR LEAKAGE.
- ALL WATER DIVERSION SYSTEMS, COFFERDAMS, STOP LOGS, PIPING AND PUMPS SHALL BE ASSESSED AND DESIGNED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN NEW YORK STATE. SUGGESTED DETAILS ARE INCLUDED WITH THIS SET OF DRAWINGS.
- COORDINATE INSTALLATION OF ALL DIVERSIONS AND COFFERDAM WITH THE OWNER AND IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS.
- CONTRACTOR TO FURNISH, FABRICATE, AND INSTALL NETTING, STAGING, OR SIMILAR DEVICES TO PREVENT DEMOLITION DEBRIS FROM ENTERING THE WATERWAY.

ENVIRONMENTAL PROTECTION NOTES:

- STREAM CONSERVATION: THE CONTRACTOR SHALL CONDUCT HIS/HER OPERATIONS TO THE SATISFACTION OF THE ENGINEER TO PREVENT OR REDUCE TO A MINIMUM ANY DAMAGE TO ANY WATERWAY FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR THE WATERWAY. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM, OR TO A DITCH IMMEDIATELY FLOWING INTO A STREAM, ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH COULD CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES WATER FROM A STREAM, HE/SHE SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM TO PROTECT AND MAINTAIN WATER RIGHTS AND TO SUSTAIN FISH LIFE DOWNSTREAM. NO VISIBLE CONTRAST BETWEEN UPSTREAM AND DOWNSTREAM WATER QUALITY SHALL BE ALLOWED. THESE TEMPORARY MEASURES SHALL BE REMOVED AND THE AREA RESTORED AT THE COMPLETION OF THE WORK.
- DURING CONSTRUCTION, NO WET OR FRESH CONCRETE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATERBODY (I.E. STREAM, WETLAND, DITCH, POND, ECT.) OR DRAINAGE STRUCTURE NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATERBODY OR DRAINAGE STRUCTURE. ALL CONCRETE WASHOUT DISPOSAL AREAS UTILIZED BY THE CONTRACTOR SHALL BE PRE-APPROVED BY THE OWNER.
- SPILLAGE OF OIL AND HAZARDOUS SUBSTANCES IS PROHIBITED BY SECTION 311 OF THE CLEAN WATER ACT OF 1977. MEASURES INCLUDING PROPER MAINTENANCE OF CONSTRUCTION EQUIPMENT, DESIGNATING FUEL/HAZARDOUS SUBSTANCES HANDLING AREAS TO ALLOW SPILLS TO BE CONTAINED BEFORE REACHING THE WATERWAY, INSTRUCTING PERSONNEL NOT TO DISPOSE OF OIL AND OTHER SUCH MATERIALS INTO DRAINS OR INTO THE WATERWAY DIRECTLY, AND OTHER NECESSARY PROCEDURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION ACTIVITIES. IF, IN SPITE OF SUCH PLANNING, OIL/HAZARDOUS SUBSTANCES ARE SPILLED INTO A WATER COURSE, IMMEDIATE NOTIFICATION SHALL BE GIVEN TO THE PROJECT ENGINEER AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AT TELEPHONE NUMBER 516-457-7362, THE NATIONAL RESPONSE CENTER AT TELEPHONE NUMBER 1-800-424-8802, AND THE OWNER. AN EMERGENCY RESPONSE CONTAINMENT KIT INCLUDING OIL ABSORBENT BOOMS AND PADS SHALL BE RETAINED ON SITE FOR RAPID DEPLOYMENT TO SOAK UP ANY POSSIBLE SPILLAGE, PENDING DEPARTMENT OF ENVIRONMENTAL CONSERVATION ARRIVAL ON THE SCENE. THE USE OF CHEMICAL DISPERSING AGENTS AND EMULSIFIERS IS NOT AUTHORIZED WITHOUT PRIOR SPECIFIC FEDERAL OR STATE APPROVAL.
- CONTRACTOR SHALL CONSTRUCT/INSTALL SECONDARY CONTAINMENT STRUCTURE OR FACILITIES AROUND ALL CHEMICAL MIXING OPERATIONS, AROUND ALL FUELING OPERATIONS, AND AROUND ALL CHEMICAL STORAGE AREAS. DETAILS FOR THE SECONDARY CONTAINMENT SYSTEMS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- ALL WASTE MATERIALS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WASTE MATERIAL DEVELOPED FROM CONSTRUCTION ACTIVITIES SHALL BE REMOVED FROM THE SITE. CONTRACTOR TO SUBMIT THE NAME AND LOCATION OF THE WASTE DISPOSAL SITE TO THE OWNER FOR APPROVAL.
- THE NYS ENVIRONMENTAL LAW REQUIRES THAT ANYONE ENGAGED IN THE TRANSPORTATION OF REGULATED WASTE GENERATED OR DISPOSED OF WITHIN NEW YORK STATE TO POSSESS ONE OF THE FOLLOWING DEPENDING ON THE WASTE TYPE:
 - A VALID NEW YORK STATE PART 364 WASTE TRANSPORT PERMIT
 - A VALID NEW YORK STATE WASTE TRANSPORTER REGISTRATION
 - A VALID NEW YORK STATE PART 381 WASTE TRANSPORTER PERMITCONTRACTOR TO SUBMIT THE APPROPRIATE FORM(S) TO THE OWNER.

REMOVAL AND DEMOLITION NOTES:

- TEMPORARILY REMOVE AND/OR RELOCATE EXISTING CONDUIT OR OTHER EQUIPMENT WITHIN THE DESIGNATED REMOVAL AREAS OR THAT AFFECT THE PROPOSED WORK. COORDINATE WITH THE OWNER.
- PROVIDE A 1" DEEP (MINIMUM) SAWCUT EDGE AROUND THE PERIMETER OF ALL CONCRETE REMOVAL AREAS. THE REMAINING CONCRETE REMOVAL (TO THE DEPTH SPECIFIED) ALONG THE PERIMETER OF THE REMOVAL AREA SHALL BE SLOPED AT AN ANGLE OF APPROXIMATELY 10-DEGREES TO AVOID THE DEVELOPMENT OF AIR POCKETS AND IMPROVE THE PLACEMENT OF CONCRETE.
- THE CONTRACTOR SHALL REMOVE THE CONCRETE IN A MANNER THAT DOES NOT DAMAGE MATERIALS DESIGNATED TO REMAIN IN PLACE. CAREFULLY REMOVE THE CONCRETE TO THE LIMITS SPECIFIED ON THE DRAWINGS, USING HANDHELD CHIPPING HAMMERS, OR OTHER APPROVED EQUIPMENT.
- CONTRACTOR SHALL ADHERE TO ALL OSHA REQUIREMENTS DURING THE PERFORMANCE OF THE WORK, INCLUDING THE SILICA DUST PROVISIONS.
- EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE SHALL BE PRESSURE CLEANED OR ABRADED TO REMOVE ALL SILT, ORGANIC MATTER, LOOSE CONCRETE OR MORTAR, AND OTHER DELETERIOUS MATERIAL THAT COULD AFFECT THE PROPER BOND OF THE NEW CONCRETE, THEN AIR-BLOWN CLEANED TO REMOVE DUST OR RESIDUAL MATERIALS.

CONSTRUCTION WASTE MANAGEMENT PLAN NOTES:

- SITE SHALL BE KEPT WELL ORGANIZED, SIGNED, AND FREE OF WASTE MATERIALS, DEBRIS, AND RUBBISH AT ALL TIMES. GOOD HOUSEKEEPING PRACTICES SHALL BE MAINTAINED ON A CONTINUOUS BASIS. DISPOSAL OF ANY WASTE MATERIALS ON THE CONSTRUCTION SITE IS PROHIBITED.
- SANITARY, WASTE DISPOSAL, AND EMPLOYEE FACILITIES SHALL BE PROVIDED BY CONTRACTOR.
- ALL ROADWAYS SHALL BE MAINTAINED FREE OF DEBRIS. STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED TO CAPTURE DEBRIS FROM WHEELS OF CONSTRUCTION VEHICLES. VEHICLES SHALL BE INSPECTED AT ENTRANCES BEFORE TURNING ONTO THE ROADWAY AND EXCESS DEBRIS SHALL BE REMOVED.
- ALL WATER RESOURCES (E.G., GROUND AND SURFACE WATERS), INCLUDING ALL DRAINS AND CATCH BASINS, SHALL BE PROTECTED FROM LEACHING AND/OR RUN-OFF OF CHEMICAL POLLUTANTS, SOLID WASTES, AND CONSTRUCTION SITE DEBRIS. ALL CATCH BASINS SHALL BE MAINTAINED FREE FLOWING.
- ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH BECOME POLLUTED WITH SEWAGE, SILT, CEMENT, CONCENTRATED CHLORINE, OIL, FUELS, LUBRICANTS, BITUMENS, OR OTHER IMPURITIES SHALL NOT BE DISCHARGED INTO ANY WATER BODY OR TO THE GROUND, BUT SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH STATE REGULATIONS.
- ALL COMBUSTIBLE WASTE MATERIALS SHALL BE PLACED IN COVERED METAL CONTAINERS AND PROMPTLY DISPOSED OF IN AN APPROVED MANNER AT AN APPROVED WASTE DISPOSAL FACILITY.
- CONCRETE WASHOUTS SHALL BE PROVIDED TO CONTAIN CONCRETE AND LIQUIDS WHEN THE CHUTES OF CONCRETE MIXERS AND HOPPERS OF CONCRETE PUMPS ARE RINSED OUT AFTER DELIVERY. DO NOT PLACE CONCRETE WASHOUT FACILITIES WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES, OR WATERBODIES.

STANDARD ABBREVIATIONS

ADD'L	ADDITIONAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
B/W	BETWEEN
BLDG	BUILDING
BM	BENCHMARK
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CONT	CONTINUOUS
CONSTR	CONSTRUCTION
D	DEEP/DEPTH
DEMO	DEMOLITION
DWG	DRAWING
D/S	DOWNSTREAM
EA	EACH
EF	EACH FACE
EL	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISHED GRADE
GAL	GALVANIZED
GR	GRADE
H	HIGH/HEIGHT
HORZ	HORIZONTAL
HW	HEADWATER
ID	INNER DIAMETER
IDF	INFLOW DESIGN FLOOD
JT	JOINT
LG	LONG
MAT'L	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
NP	NORMAL POOL
NTS	NOT TO SCALE
O&M	OPERATIONS AND MAINTENANCE
OC	ON CENTER
OD	OUTER DIAMETER
P	PLATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
R	RADIUS
REINF	REINFORCEMENT
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
SCH	SCHEDULE
SCL	SITE CONTROL LINE
SCP	SITE CONTROL POINT
SS	STAINLESS STEEL
STA	STATION
STL	STEEL
T/	TOP OF
T&B	TOP AND BOTTOM
TOS	TOP OF STEEL
TW	TAILWATER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
U/S	UPSTREAM
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WIDTH, WIDE, W-SHAPE MEMBER
W/	WITH
WT	STRUCTURAL TEE MEMBER

EROSION AND SEDIMENT CONTROL NOTES:

- ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF THE WORK, AND/OR PRIOR TO ANY MAJOR SOIL OR STREAM DISTURBANCE, IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- STOCKPILE AND STAGING LOCATIONS SHALL BE DETERMINED IN THE FIELD.
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND APPLICABLE US ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STANDARDS.
- THE CONTRACTOR SHALL SUBMIT A SCHEDULE WHICH INCLUDES ANTICIPATED DATES FOR IMPLEMENTATION AND REMOVAL OF EROSION AND SEDIMENT CONTROLS AND ANY PHASING REQUIRED PRIOR TO THE START OF CONSTRUCTION FOR REVIEW AND APPROVAL.

GENERAL CONCRETE NOTES:

- THE FOLLOWING STANDARDS SHALL BE USED:
 - CONCRETE DESIGN STANDARD: ACI 318;
 - CONCRETE DETAILING STANDARD: ACI 315;
 - CONCRETE SPECIFICATION STANDARD: ACI 301;
 - CONCRETE FIELD REFERENCE MANUAL: ACI MNL-15;
 - SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS ACI 117
- ALL REINFORCING STEEL SHALL CONFORM WITH ASTM A615, GRADE 60 UNLESS GRADE 75 IS SPECIFIED. ALL REINFORCING SHALL BE PLAIN DEFORMED BARS.
- PROTECT CONCRETE FROM PREMATURE DRYING IMMEDIATELY AFTER PLACEMENT. CURING OF CONCRETE SHALL START WITHIN TWO HOURS AFTER FINISHING OPERATIONS ARE COMPLETE AND REMAIN IN PLACE FOR A MINIMUM OF THREE (3) DAYS. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL CURING, THERMAL, AND MOISTURE RETENTION REQUIREMENTS.
- CONCRETE FINISHES SHALL BE AS REQUIRED BY ACI 301, UNLESS OTHERWISE NOTED. ALL CONCRETE REMAINING EXPOSED TO VIEW AT THE COMPLETION OF CONSTRUCTION SHALL BE FINISHED ACCORDING TO CONSTRUCTION SPECIFICATIONS. THE FINISH SHALL BE INSTALLED IMMEDIATELY UPON FORM REMOVAL. UPON COMPLETION, ALL CONCRETE SURFACES SHALL BE UNIFORM IN APPEARANCE, COLOR, AND TEXTURE.
- THE FINAL SIZE AND LOCATION OF ALL ITEMS AFFECTING THE CONCRETE WORK SHALL BE INDICATED ON THE CONCRETE REINFORCING DRAWINGS AT THE TIME OF SUBMISSION TO THE ENGINEER FOR REVIEW. IF OPENINGS ARE REQUIRED THAT ARE NOT SHOWN, CONTRACTOR SHALL IDENTIFY SUCH OPENINGS TO THE ENGINEER SO THAT ADDITIONAL REINFORCING, CAN BE PROVIDED.
- ALL EXPOSED EDGES SHALL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.
- EXCEPT AS OTHERWISE SPECIFIED, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS.
- ALL CORNERS, INTERSECTIONS, ENDS AND OPENINGS IN CONCRETE WALLS SHALL BE REINFORCED WITH ADDITIONAL BARS. REFER TO TYPICAL CORNER REINFORCEMENT DETAILS ON THE PLANS.

GENERAL STEEL NOTES:

- REFER TO THE SPECIFICATIONS FOR ALL STEEL MATERIAL REQUIREMENTS.
- DESIGN, FABRICATION, AND ERECTION SHALL BE AS PER SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10).
- ALL BOLTED CONNECTIONS SHALL CONFORM TO ASTM F3125 UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL:
 - WIDE FLANGE SHAPES – ASTM A992, GRADE 50 (FY=50 KSI)
 - CHANNELS – ASTM A992, GRADE 50 (FY=50 KSI)
 - ANGLES – ASTM A572 GRADE 50 (FY=50 KSI)
 - PLATES – ASTM A572, GRADE 50 (FY=50 KSI)
- ANCHORS
 - UNLESS OTHERWISE SPECIFIED, ALL ANCHOR RODS TO BE A449 GRADE 105, OR APPROVED EQUAL.
 - UNLESS OTHERWISE SPECIFIED, ALL ANCHORS AND REINFORCEMENTS SHALL BE GROUTED INTO EXISTING CONCRETE WITH HILTI HIT HY 200 ADHESIVE.
- ALL STEEL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123.

DATUM AND MAPPING NOTES:

- ELEVATIONS SHOWN HEREIN ARE DERIVED FROM AVAILABLE EXISTING HISTORICAL DOCUMENTATION, AS FOLLOWS:
 - PER 1987 DAM REHABILITATION DRAWINGS DEVELOPED BY STETSON-DALE, DATED 4/25/1986: "VERTICAL DATUM BASED ON USC & GS DISK, STAMPED SARANAC LAKE 1935, SOUTHWEST OF INTERSECTION OF MAIN AND RIVER STREETS. SET IN EAST WALL OF MUNICIPAL BUILDING, 24 FEET WEST OF WEST CURB OD MAIN STREET AND 135 FEET SOUTH OF THE EXTENDED SOUTH CURB LINE OF RIVER STREET".
 - PER TOPOGRAPHIC SURVEY DRAWING PREPARED BY GLENN D. ODONE, DATED DECEMBER 10, 1990: "USGS BENCH MARK STANDARD DISC ON SE CORNER OF MUNICIPAL BUILDING PUBLISHED ELEVATION = 1533.63 FT (ABOVE SEA LEVEL)".
- MEASUREMENT OF CORNER ANGLES BASED ON SURVEY BY GLENN D. ODONE, DATED MARCH 12, 1986.

CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



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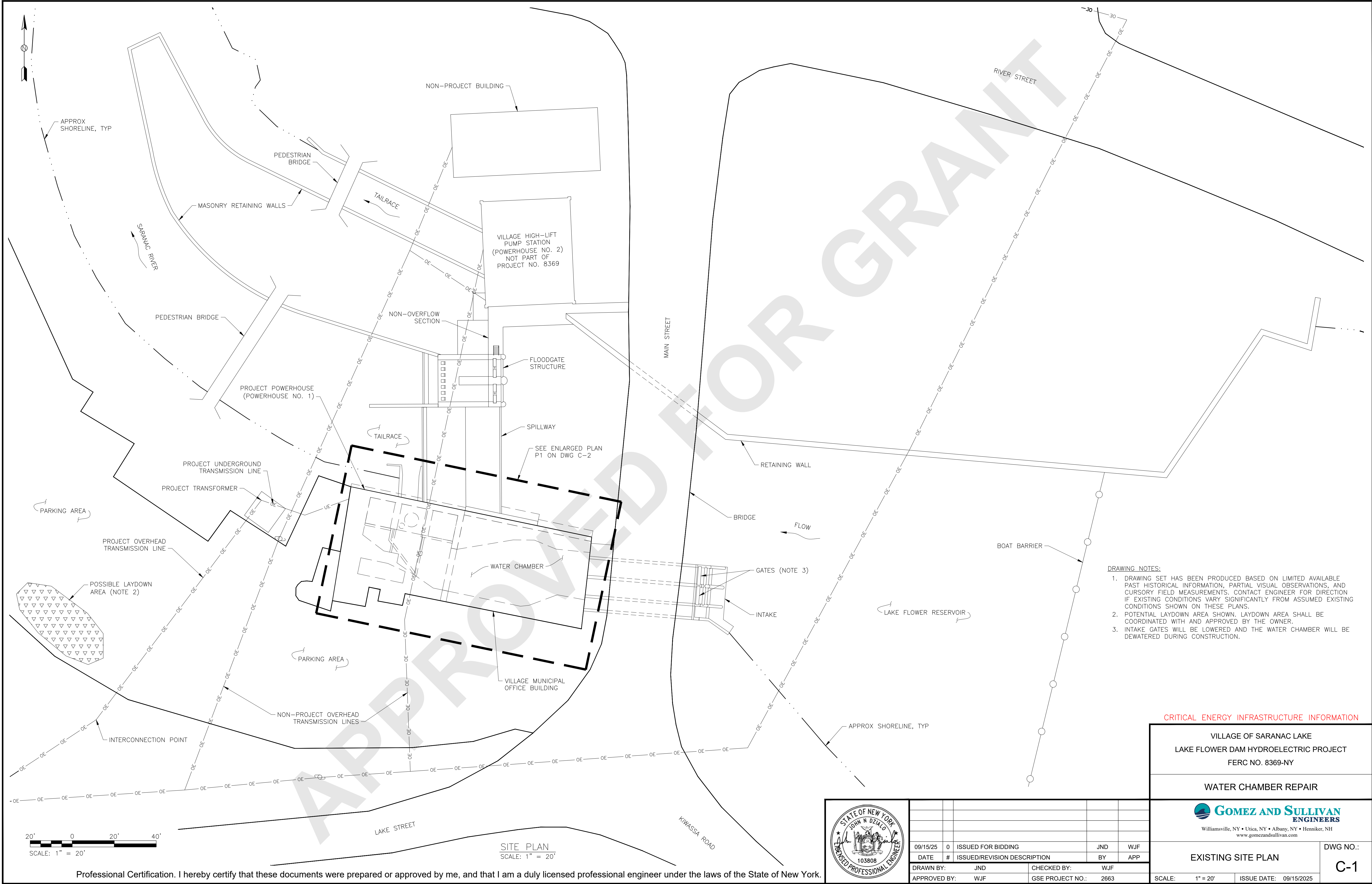
NOTES

DWG NO.:

G-1

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- DRAWING NOTES:
- DRAWING SET HAS BEEN PRODUCED BASED ON LIMITED AVAILABLE PAST HISTORICAL INFORMATION, PARTIAL VISUAL OBSERVATIONS, AND CURSORY FIELD MEASUREMENTS. CONTACT ENGINEER FOR DIRECTION IF EXISTING CONDITIONS VARY SIGNIFICANTLY FROM ASSUMED EXISTING CONDITIONS SHOWN ON THESE PLANS.
 - POTENTIAL LAYDOWN AREA SHOWN. LAYDOWN AREA SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER.
 - INTAKE GATES WILL BE LOWERED AND THE WATER CHAMBER WILL BE DEWATERED DURING CONSTRUCTION.

CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
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WATER CHAMBER REPAIR

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EXISTING SITE PLAN

DWG NO.:

C-1

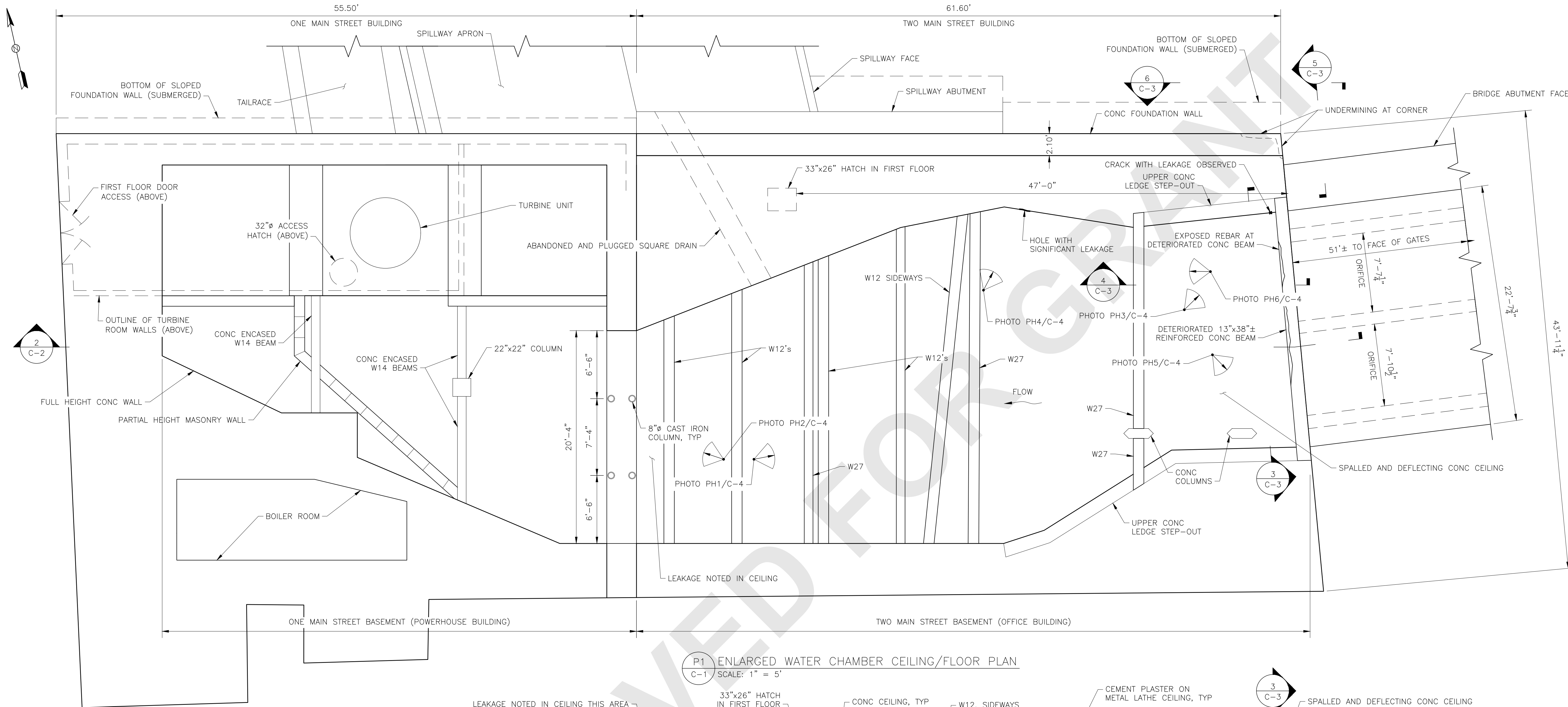
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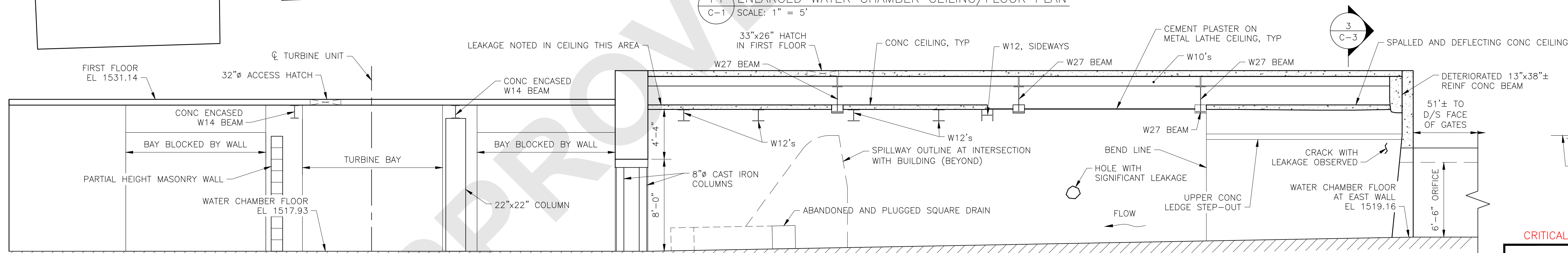
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DATE	#	ISSUED/REVISION DESCRIPTION	BY	APP
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APPROVED BY:	WJF	GSE PROJECT NO.:	2663	

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P1 ENLARGED WATER CHAMBER CEILING/FLOOR PLAN
C-1 SCALE: 1" = 5'



2 WATER CHAMBER SECTION
C-2 SCALE: 1" = 5'

DRAWING NOTES:

- EXISTING DEFICIENCIES NOTED ON THESE PLANS ARE BASED ON THE FOLLOWING:
 - DIVE INSPECTION PERFORMED ON 5/22/2025 BY HUNT UNDERWATER SPECIALTIES, LLC.
 - ENGINEERING INSPECTION PERFORMED ON MARCH 20, 2024 BY GOMEZ AND SULLIVAN ENGINEERS, DPC.
 - ENGINEERING INSPECTION PERFORMED ON AUGUST 15, 2023 BY BERGMANN, PC.
- INTAKE GATES WILL BE LOWERED BY THE OWNER AND THE WATER CHAMBER WILL BE ALLOWED TO DRAIN. ADDITIONAL DEWATERING SHALL BE PERFORMED BY THE CONTRACTOR, AS NECESSARY.
- ALL DEMOLITION AND REPAIRS TO THE EXTERIOR CORNER OF THE BUILDING WILL BE PERFORMED DURING NORMAL WATER LEVELS.

5' 0 5' 10'
SCALE: 1" = 5'

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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



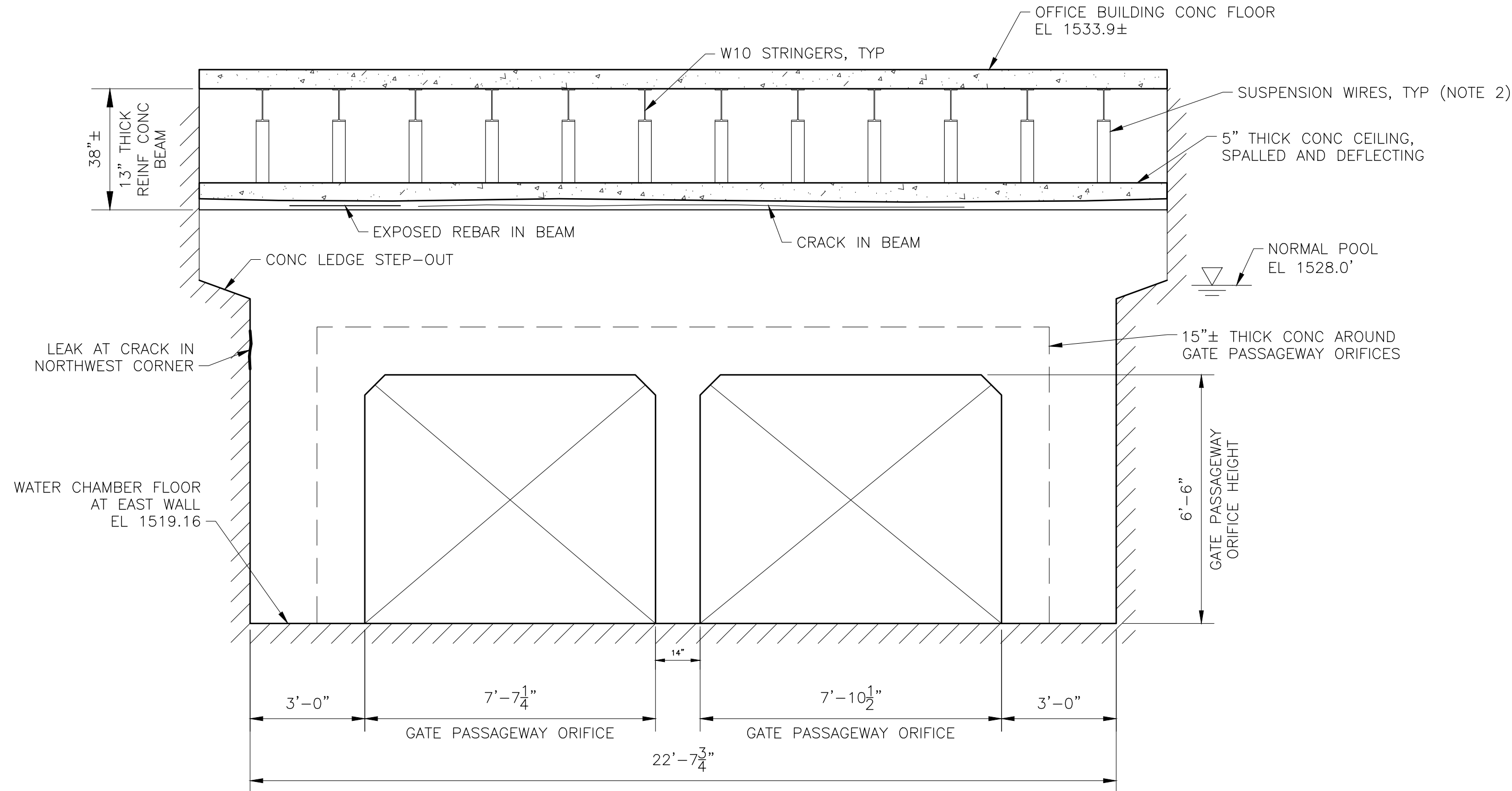
EXISTING WATER CHAMBER PLAN
AND SECTION

SCALE: AS NOTED
ISSUE DATE: 09/15/2025

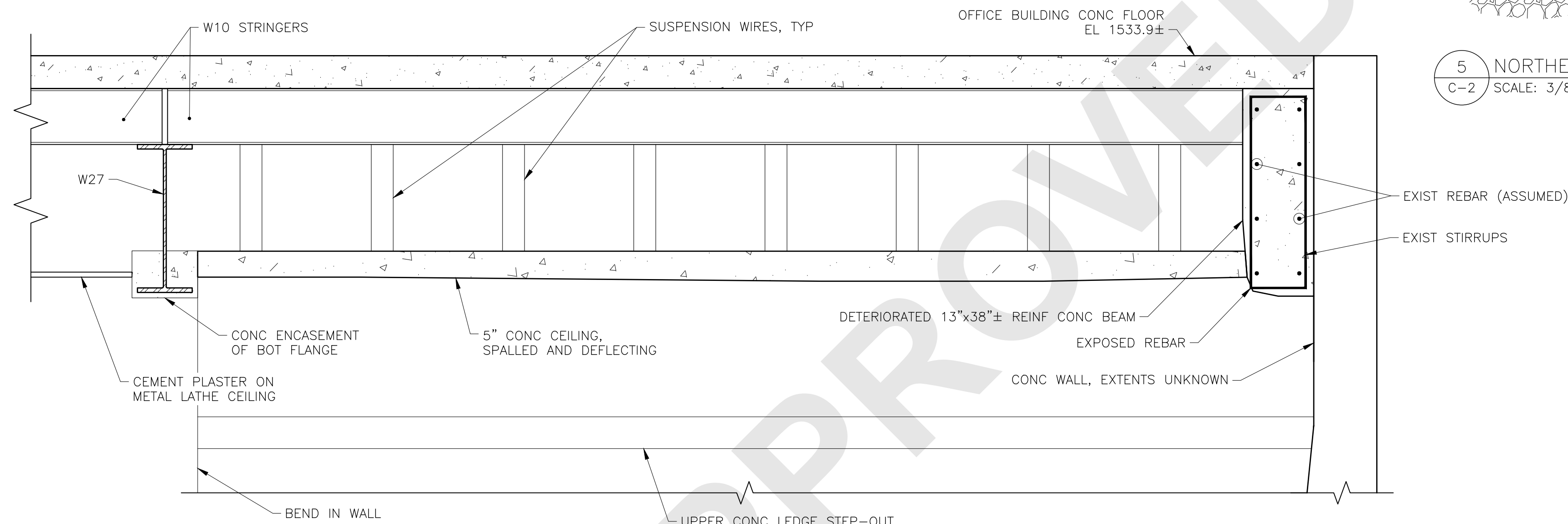
DWG NO.:

C-2

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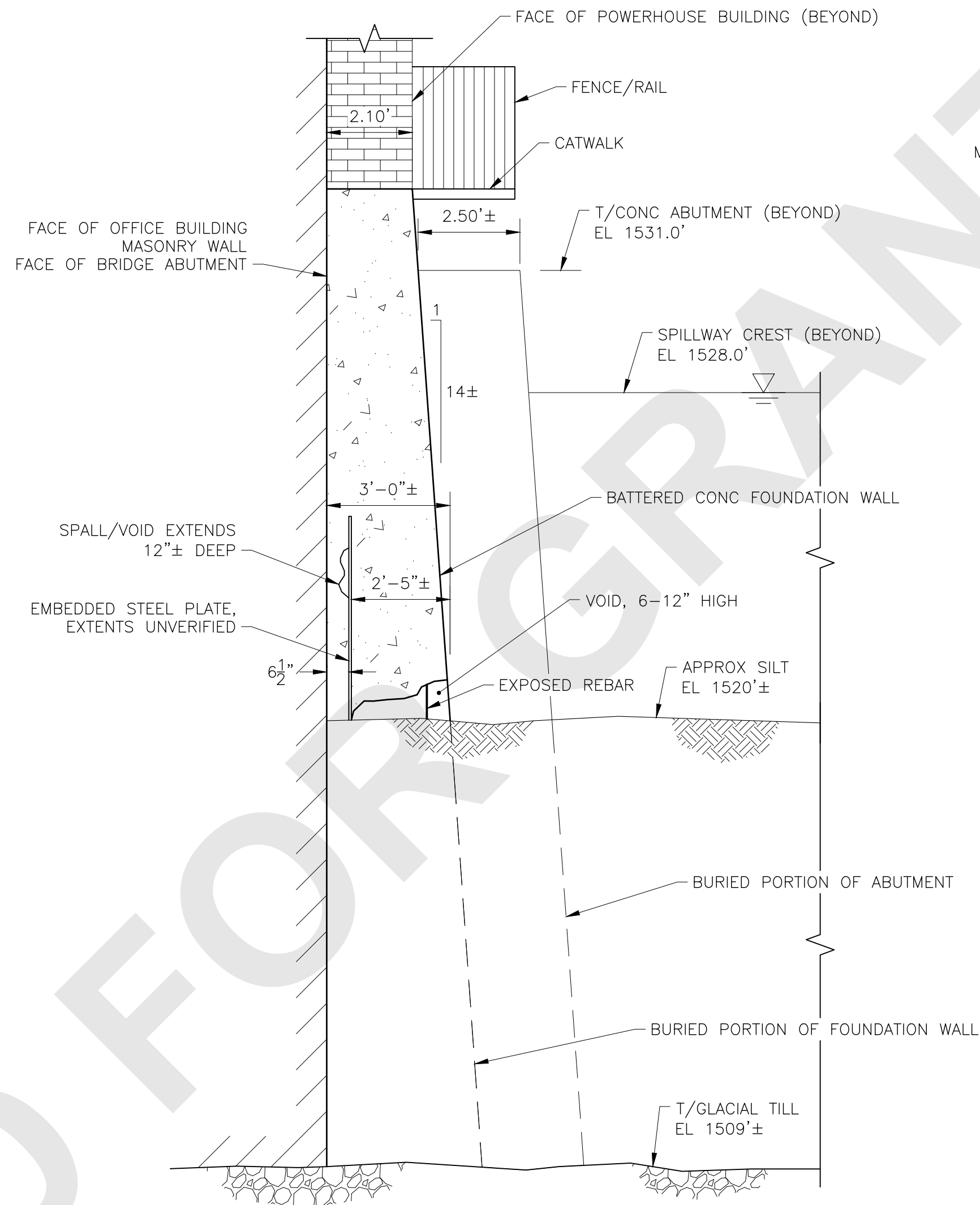
3 EAST ELEVATION
C-2 SCALE: 3/8" = 1'-0"



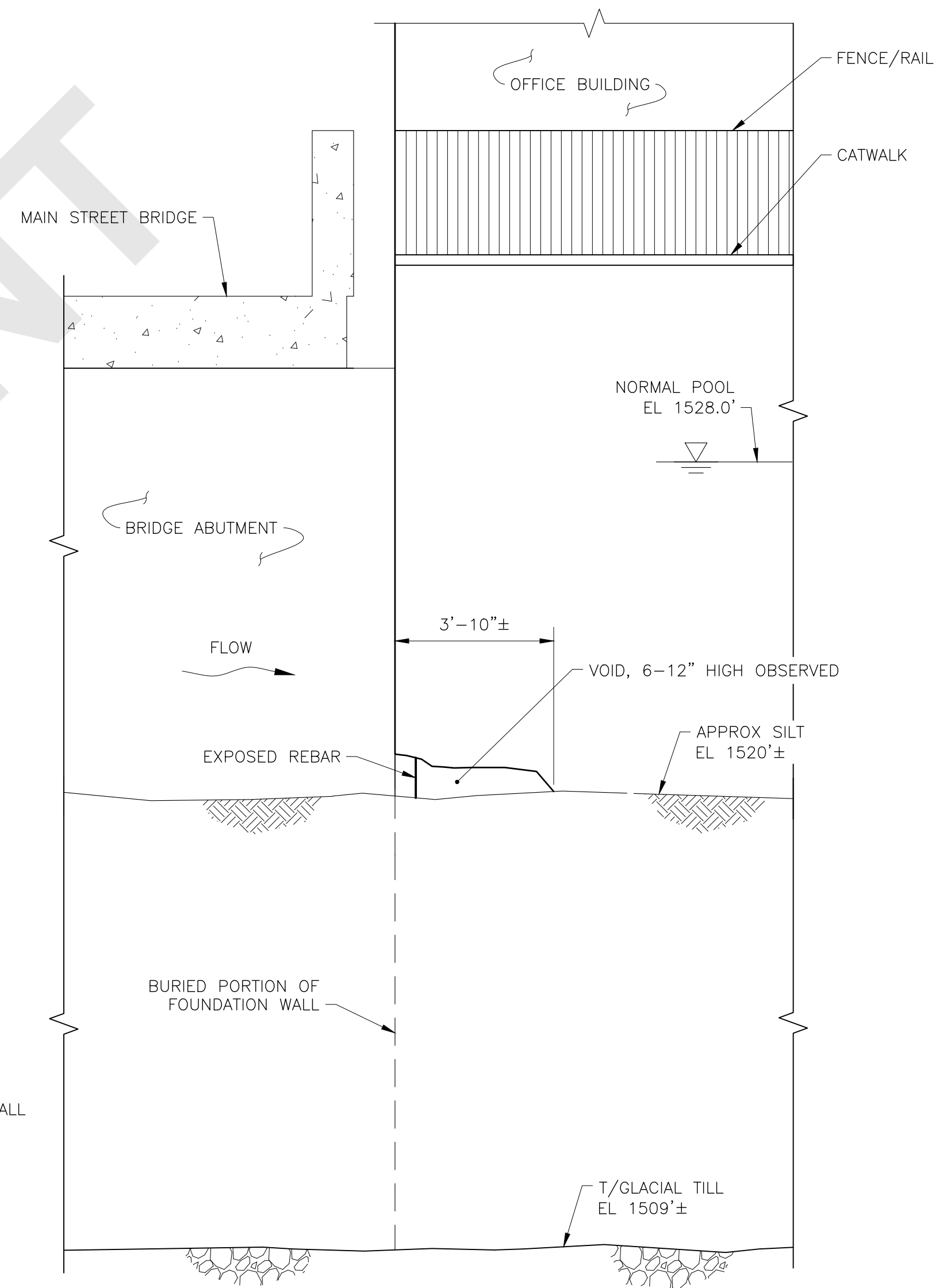
4 CEILING SECTION
C-2 SCALE: 3/4" = 1'-0"

EAST ELEVATION AND CEILING SECTION NOTES:

1. THE EXTENT OF EXISTING REINFORCEMENT, IF PRESENT, IS UNKNOWN.
2. IT IS SUSPECTED THAT SUSPENSION WIRES HAVE FAILED IN SOME LOCATIONS, LEADING TO THE CONCRETE CEILING DEFLECTION OBSERVED.
3. CONDITION OF STRUCTURAL ELEMENTS BETWEEN THE FIRST FLOOR AND THE WATER CHAMBER CEILING ARE UNKNOWN.



5 NORTHEAST CORNER ELEVATION
C-2 SCALE: 3/8" = 1'-0"



6 NORTHEAST CORNER ELEVATION
C-2 SCALE: 3/8" = 1'-0"

NORTHEAST CORNER NOTES:

1. BEDROCK ELEVATION IS AT APPROXIMATELY EL 1493.75' PER HISTORICAL BORING INFORMATION AT THIS CORNER.
2. APPROXIMATE BOTTOM OF RIVER WATERBODY ELEVATIONS TAKEN FROM HISTORICAL INFORMATION AND LIMITED FIELD MEASUREMENTS AND ARE SHOWN FOR GENERAL INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS/HER OWN ASSESSMENT OF THE RESERVOIR BOTTOM AND SUBSURFACE CONDITIONS.
3. SPALL AND VOID DIMENSIONS ARE BASED ON DIVE INSPECTION PERFORMED ON 5/22/2025 BY HUNT UNDERWATER SPECIALTIES, LLC.
4. VOID AT CORNER COULD POTENTIALLY EXTEND LOWER IN ELEVATION THAN SHOWN ON THE PLANS.

1' 0 1' 2'
SCALE: 3/8"=1'-0"

1' 0 1' 2'
SCALE: 3/4"=1'-0"

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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



EXISTING WATER CHAMBER
SECTIONS AND DETAILS

SCALE: AS NOTED ISSUE DATE: 09/15/2025

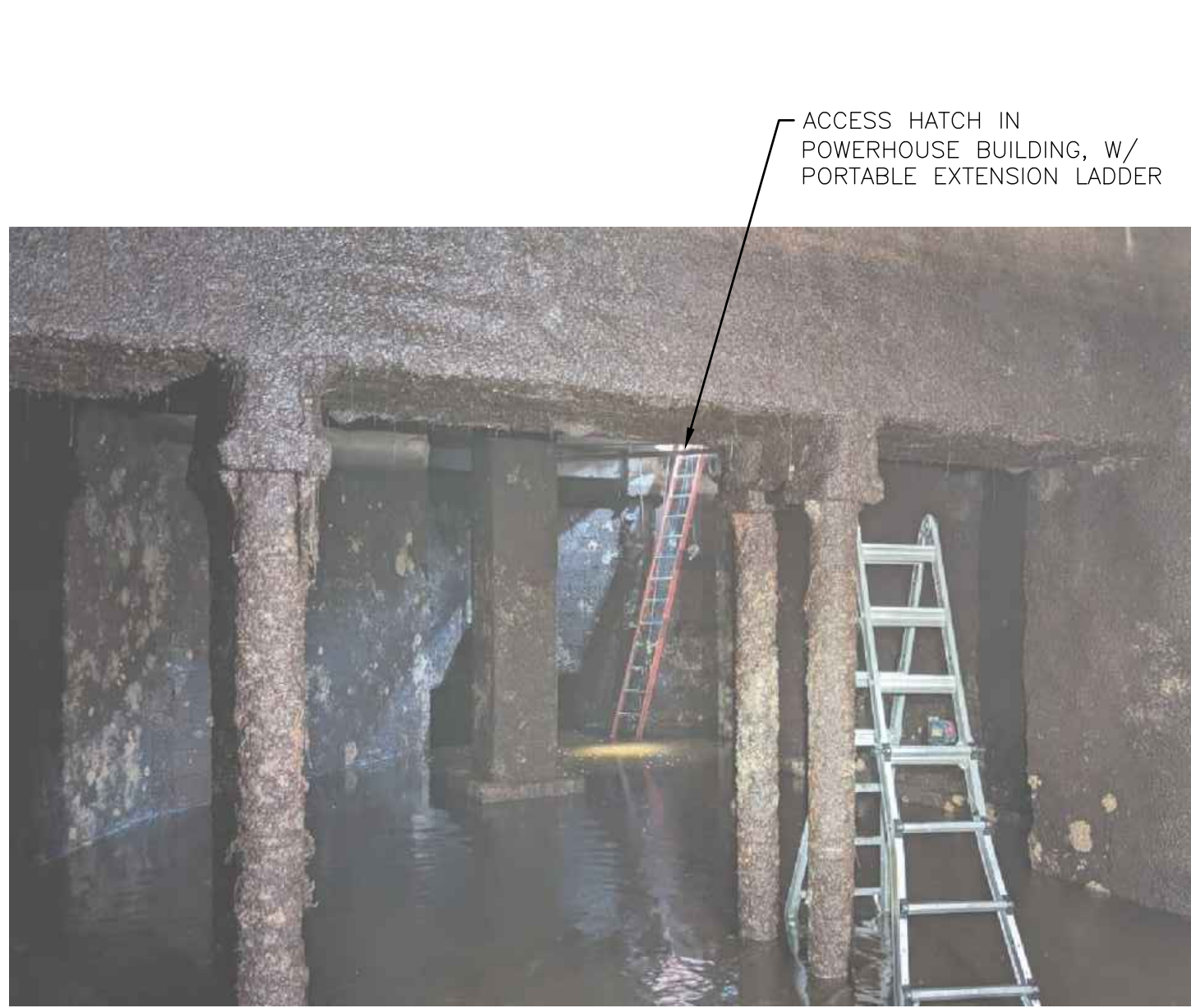
DWG NO.:

C-3

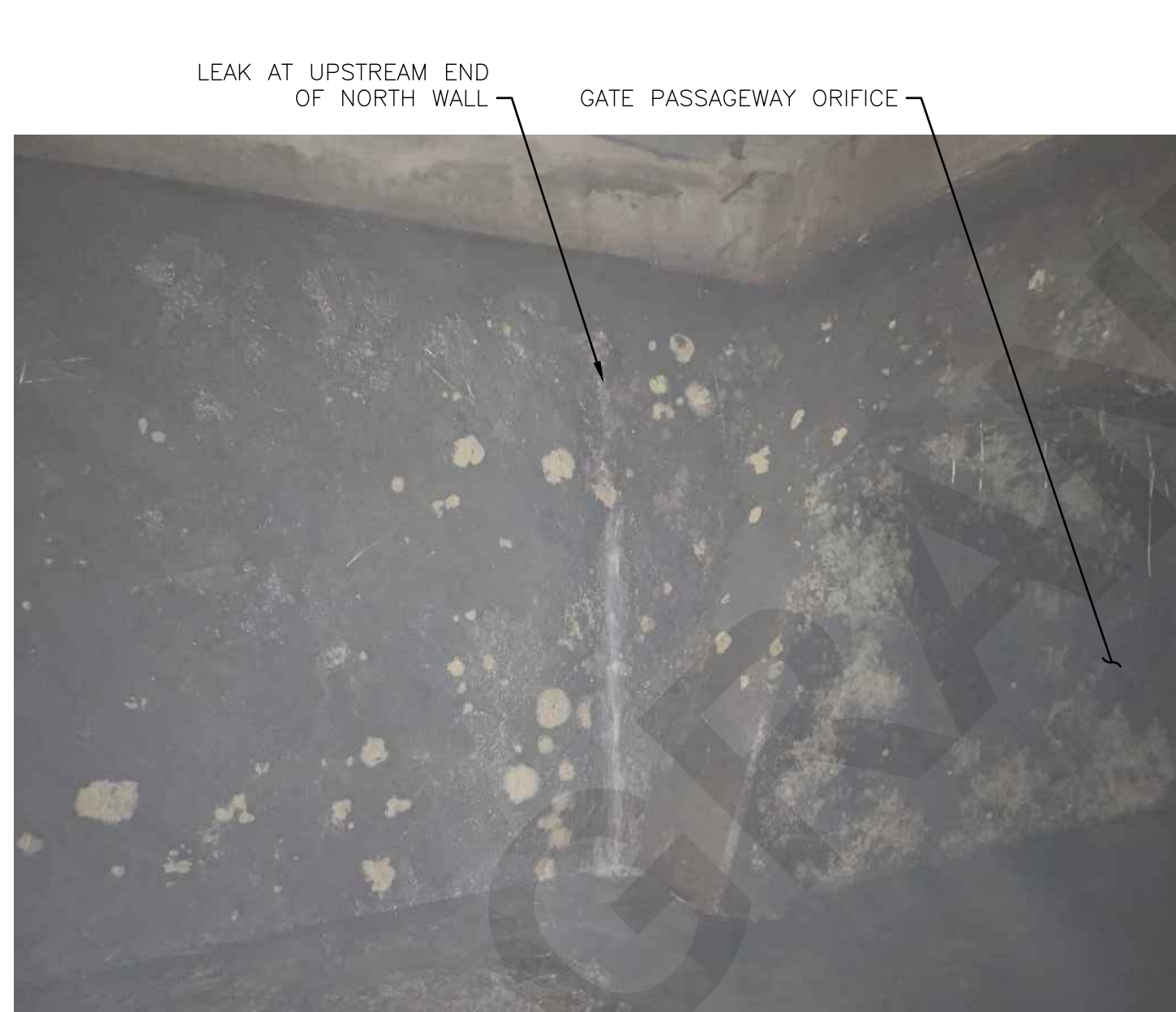
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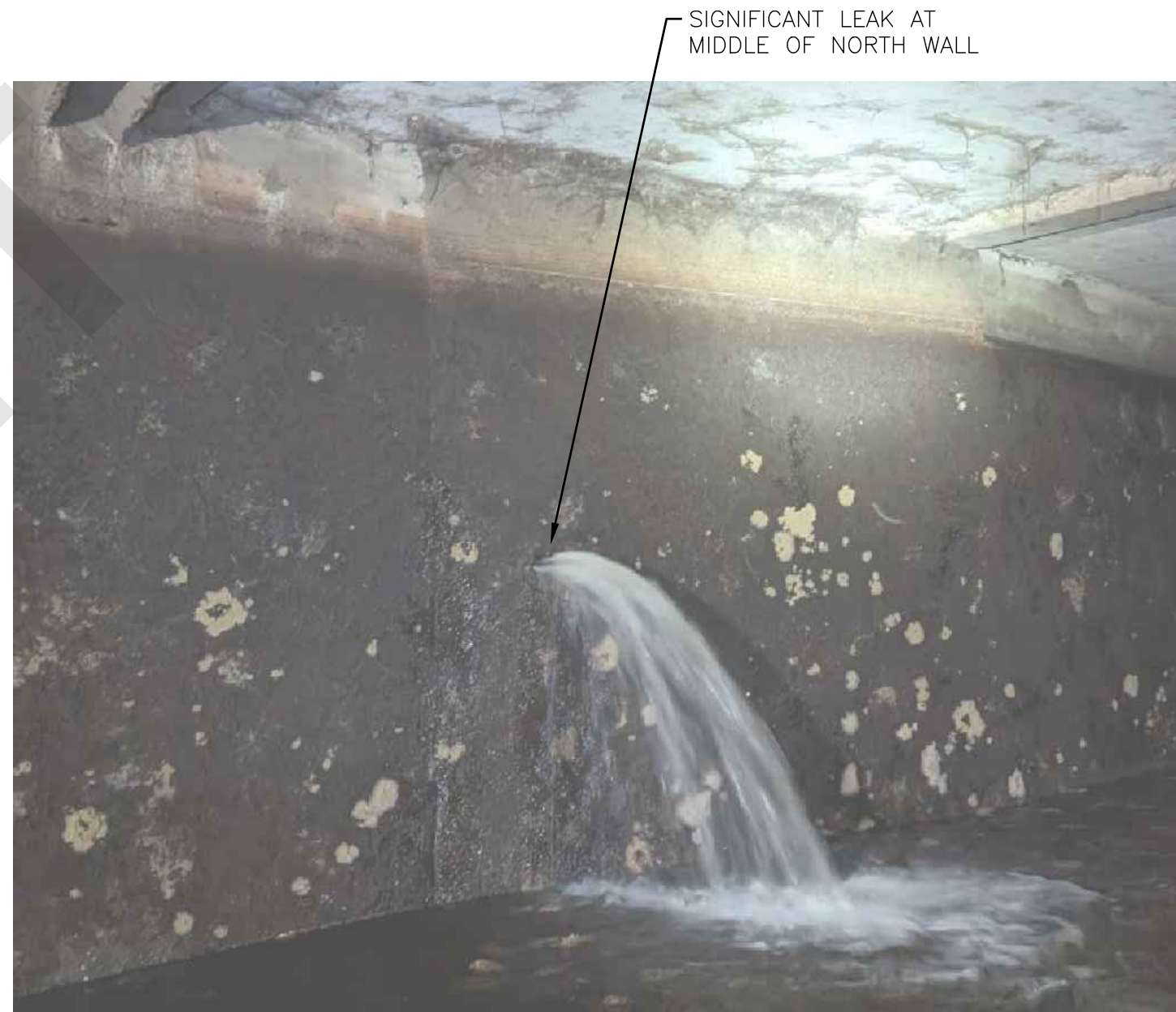
PH1 CHAMBER LOOKING UPSTREAM
C-4 SCALE: NONE



PH2 CHAMBER LOOKING DOWNSTREAM
C-4 SCALE: NONE



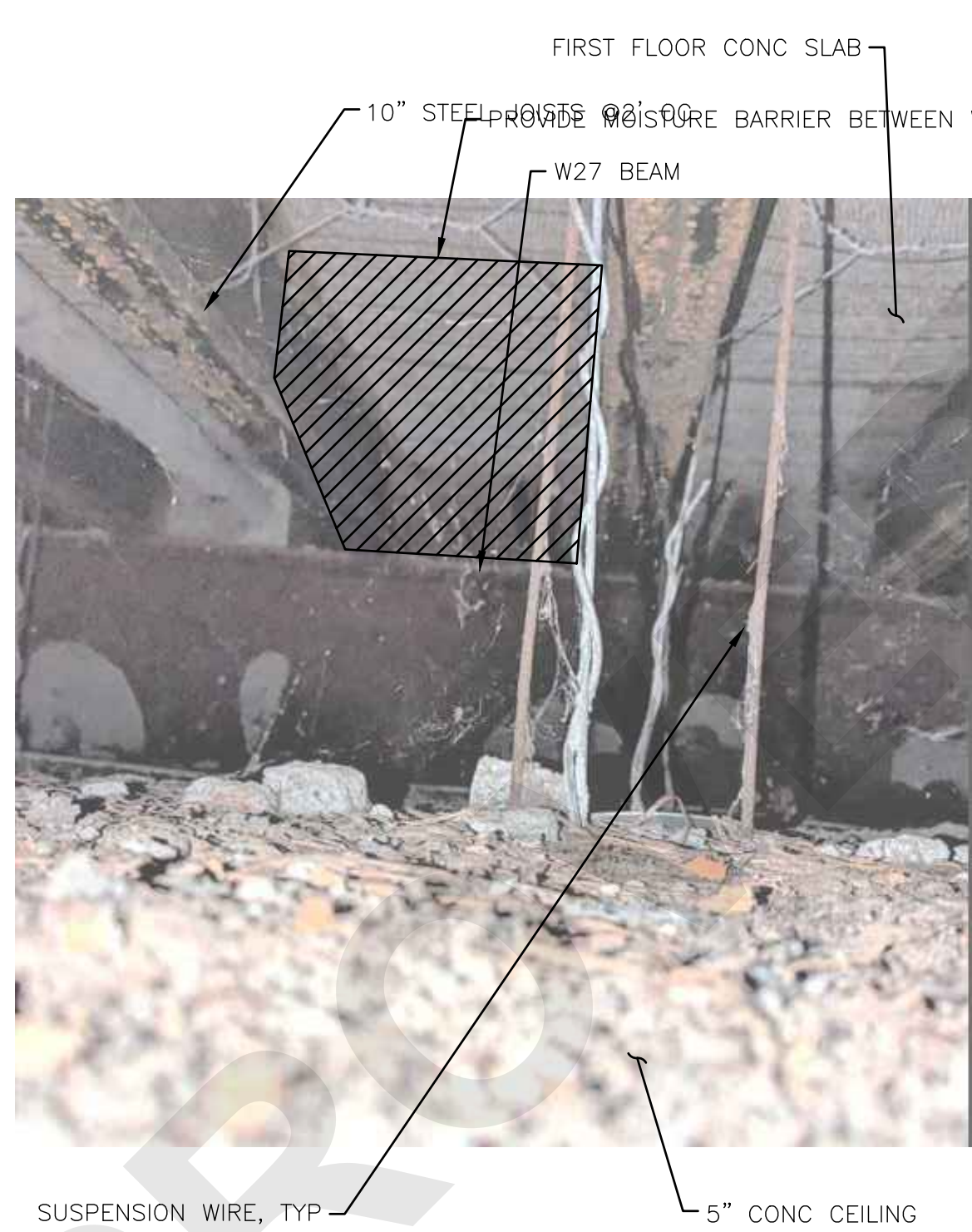
PH3 NORTHEAST CORNER LEAK
C-4 SCALE: NONE



PH4 NORTH WALL LEAK
C-4 SCALE: NONE



PH5 SAGGING CEILING CONCRETE
C-4 SCALE: NONE



PH6 ABOVE CONCRETE CEILING
C-6 SCALE: NONE

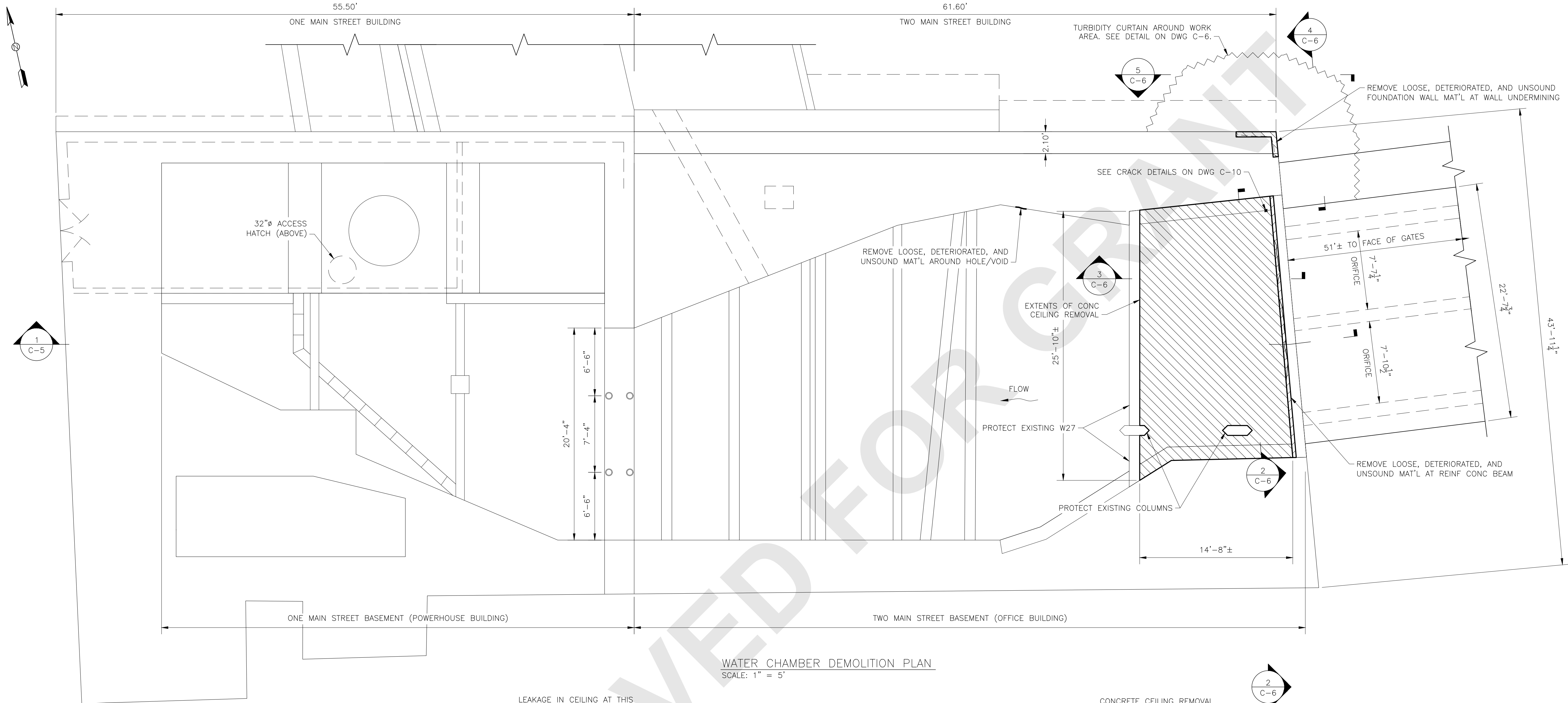
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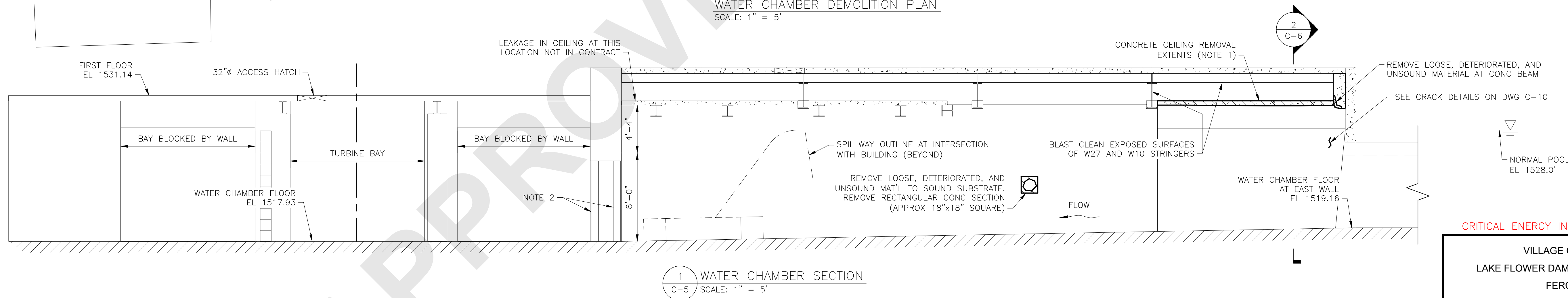
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CRITICAL ENERGY INFRASTRUCTURE INFORMATION	
VILLAGE OF SARANAC LAKE LAKE FLOWER DAM HYDROELECTRIC PROJECT FERC NO. 8369-NY	
WATER CHAMBER REPAIR	
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EXISTING WATER CHAMBER PHOTOS	DWG NO.: C-4
SCALE: AS NOTED	ISSUE DATE: 09/15/2025

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WATER CHAMBER DEMOLITION PLAN
SCALE: 1" = 5'



1 WATER CHAMBER SECTION
C-5 SCALE: 1" = 5'

NOTES:

- AFTER CONCRETE CEILING IS REMOVED, AND PRIOR TO INSTALLATION OF PROPOSED REPAIRS, CONTACT ENGINEER TO PERFORM INSPECTION OF EXPOSED STRUCTURAL ELEMENTS TO IDENTIFY IF ADDITIONAL MAINTENANCE NEEDS ARE REQUIRED.
- DURING ENGINEERS INSPECTION, CAST IRON COLUMNS WILL BE INSPECTED. SHOULD THE CAST IRON COLUMNS BE SIGNIFICANTLY DETERIORATED AND REQUIRING REINFORCEMENT, IT IS ANTICIPATED THAT JACKING POSTS WILL BE UTILIZED AS A REPAIR (AS AN ADD-ON TO THE INITIAL CONTRACT).

5' 0 5' 10'
SCALE: 1" = 5'

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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



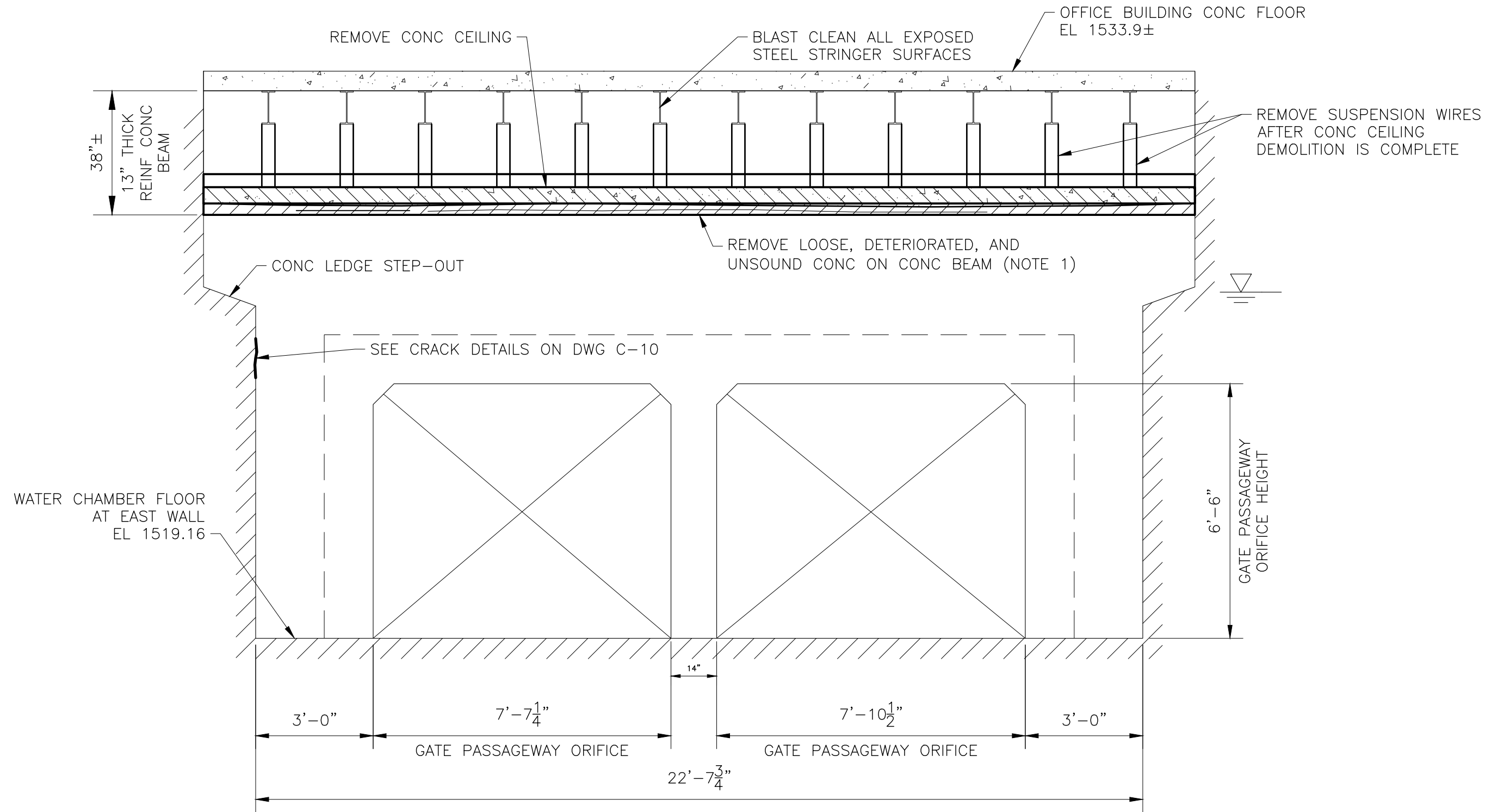
DEMOLITION WATER CHAMBER PLAN
AND SECTION

SCALE: AS NOTED
ISSUE DATE: 09/15/2025

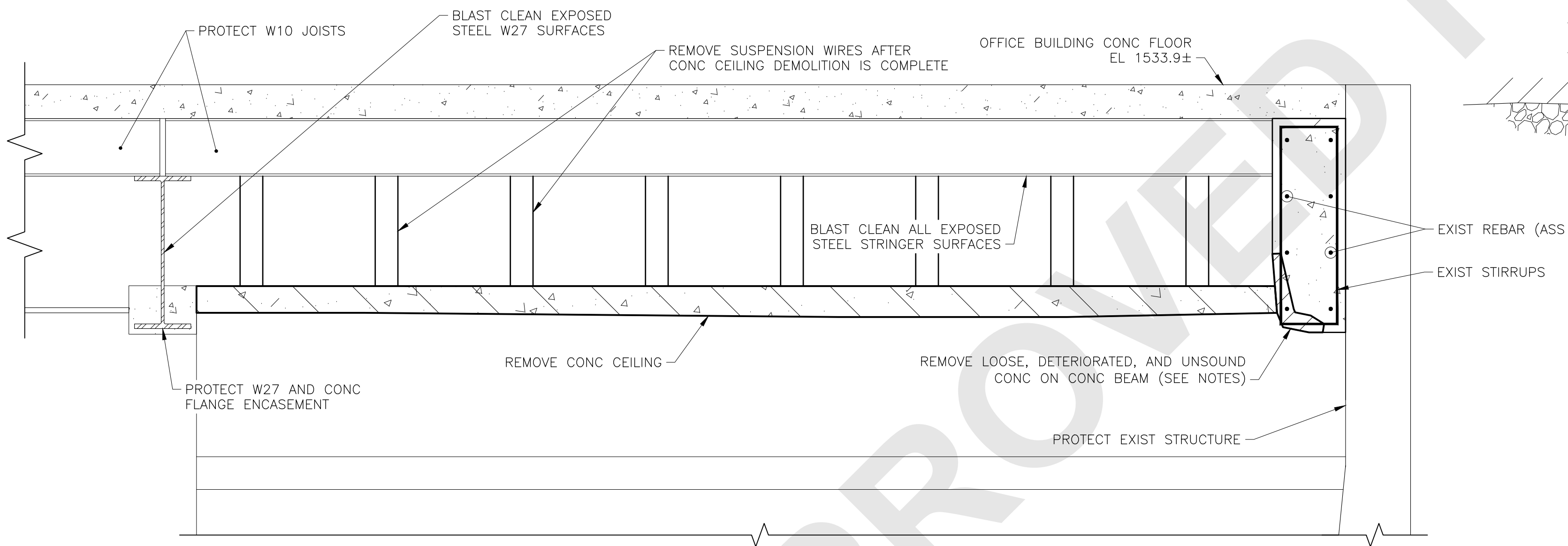
DWG NO.:

C-5

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2 EAST ELEVATION
C-5 SCALE: 3/8" = 1'-0"



3 CEILING SECTION
C-5 SCALE: 3/4" = 1'-0"

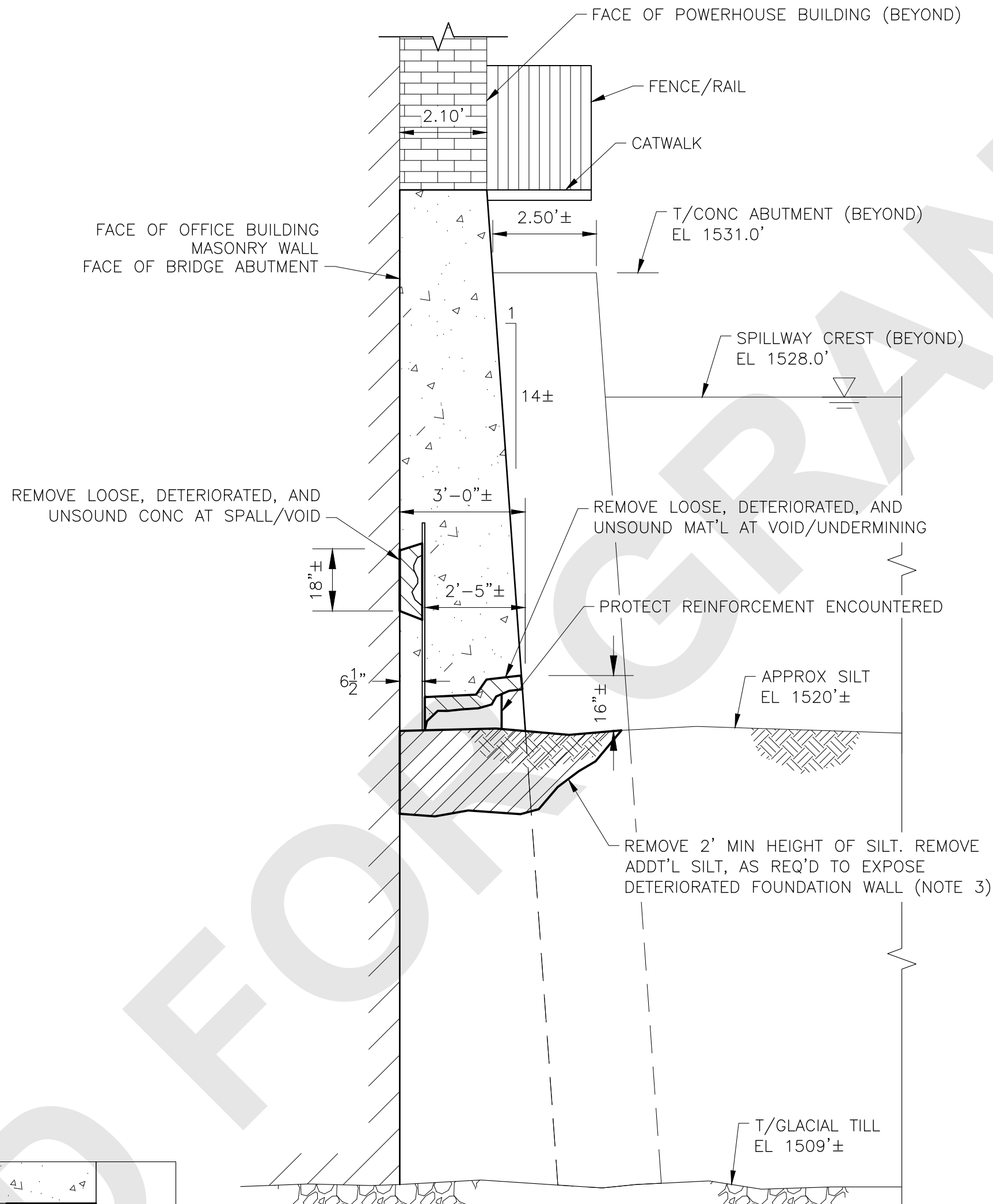
EAST ELEVATION AND CEILING SECTION NOTES:

1. CONDITION OF REINFORCED CONCRETE BEAM ABOVE CONCRETE WALL IS UNKNOWN. SAMPLE REMOVAL LIMITS ARE SHOWN. LIMITS OF LOOSE, DETERIORATED, AND UNSOUND CONCRETE MAY EXTEND BEYOND LIMITS SHOWN.
2. PROTECT ALL REINFORCEMENT ENCOUNTERED FOR REUSE.
3. PROVIDE 1" MINIMUM SAWCUT AT ALL REMOVAL EXTENTS.
4. SANDBLAST DETERIORATED CONC BEAM. CHIP CONCRETE AS NECESSARY TO REMOVE LOOSE, DETERIORATED, AND UNSOUND CONCRETE TO SOUND SUBSTRATE. PROTECT ALL REINFORCEMENT ENCOUNTERED.
5. AFTER CONCRETE CEILING IS REMOVED, AND PRIOR TO INSTALLATION OF PROPOSED REPAIRS, CONTACT ENGINEER TO PERFORM INSPECTION OF EXPOSED STRUCTURAL ELEMENTS TO IDENTIFY IF ADDITIONAL MAINTENANCE NEEDS ARE REQUIRED.

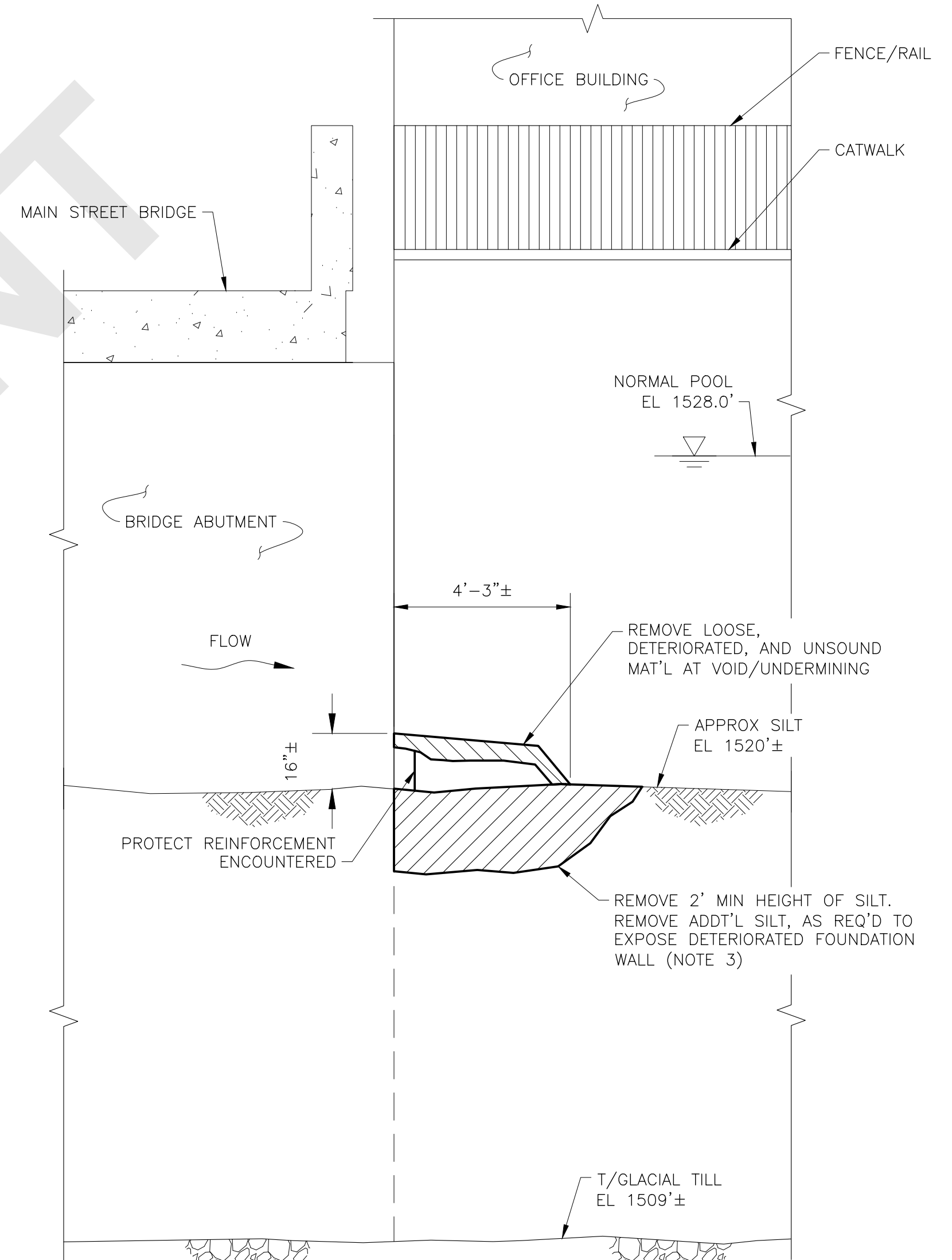
1' 0 1' 2'
SCALE: 3/8"=1'-0"

1' 0 1' 2'
SCALE: 3/4"=1'-0"

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4 NORTHEAST CORNER ELEVATION
C-5 SCALE: 3/8" = 1'-0"



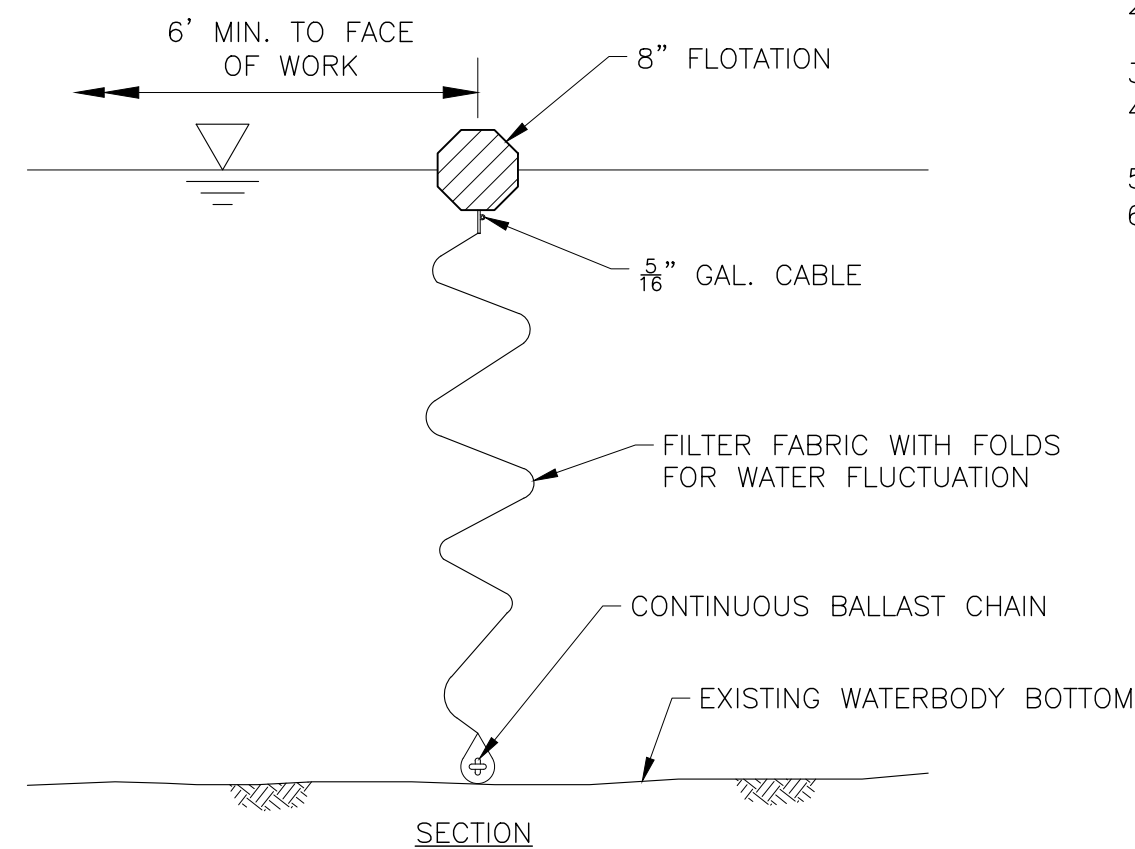
5 NORTHEAST CORNER ELEVATION
C-5 SCALE: 3/8" = 1'-0"

NORTHEAST CORNER NOTES:

1. ALL DEMOLITION AND REPAIRS TO THE EXTERIOR CORNER OF THE BUILDING WILL BE PERFORMED DURING NORMAL WATER LEVELS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR TO RETAIN THE SERVICES OF A QUALIFIED DIVE INSPECTION FIRM TO ESTABLISH THE EXTENTS REQUIRED FOR DEMOLITION AND REPAIR.
3. PROVIDE 1H:1V SLOPE FOR EXCAVATED SILT UP TO EXISTING SILT LEVEL.
4. ONCE SILT HAS BEEN REMOVED TO EXTENTS SHOWN AND VOID EXTENTS OBSERVED, CONTACT ENGINEER FOR REPAIR DIRECTION.
5. PROTECT ALL REINFORCEMENT ENCOUNTERED FOR REUSE.
6. REFER TO DWG C-9 FOR REPAIR DETAILS.

TURBIDITY CURTAIN NOTES:

1. CURTAIN SHALL EXTEND FROM WATER SURFACE TO WATERBODY BOTTOM OVER THE RANGE OF EXPECTED WATER LEVELS.
2. THE FABRIC HEIGHT SHALL BE 20% GREATER THAN THE DEPTH OF THE WATER.
3. SUBMIT TURBIDITY CURTAIN DETAILS TO ENGINEER FOR APPROVAL.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



TC TURBIDITY CURTAIN DETAIL
C-5 SCALE: NOT TO SCALE

CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR

GOMEZ AND SULLIVAN
ENGINEERS
Williamsville, NY • Utica, NY • Albany, NY • Henniker, NH
www.gomezandsullivan.com

DEMOLITION WATER CHAMBER
SECTIONS AND DETAILS

SCALE: AS NOTED ISSUE DATE: 09/15/2025

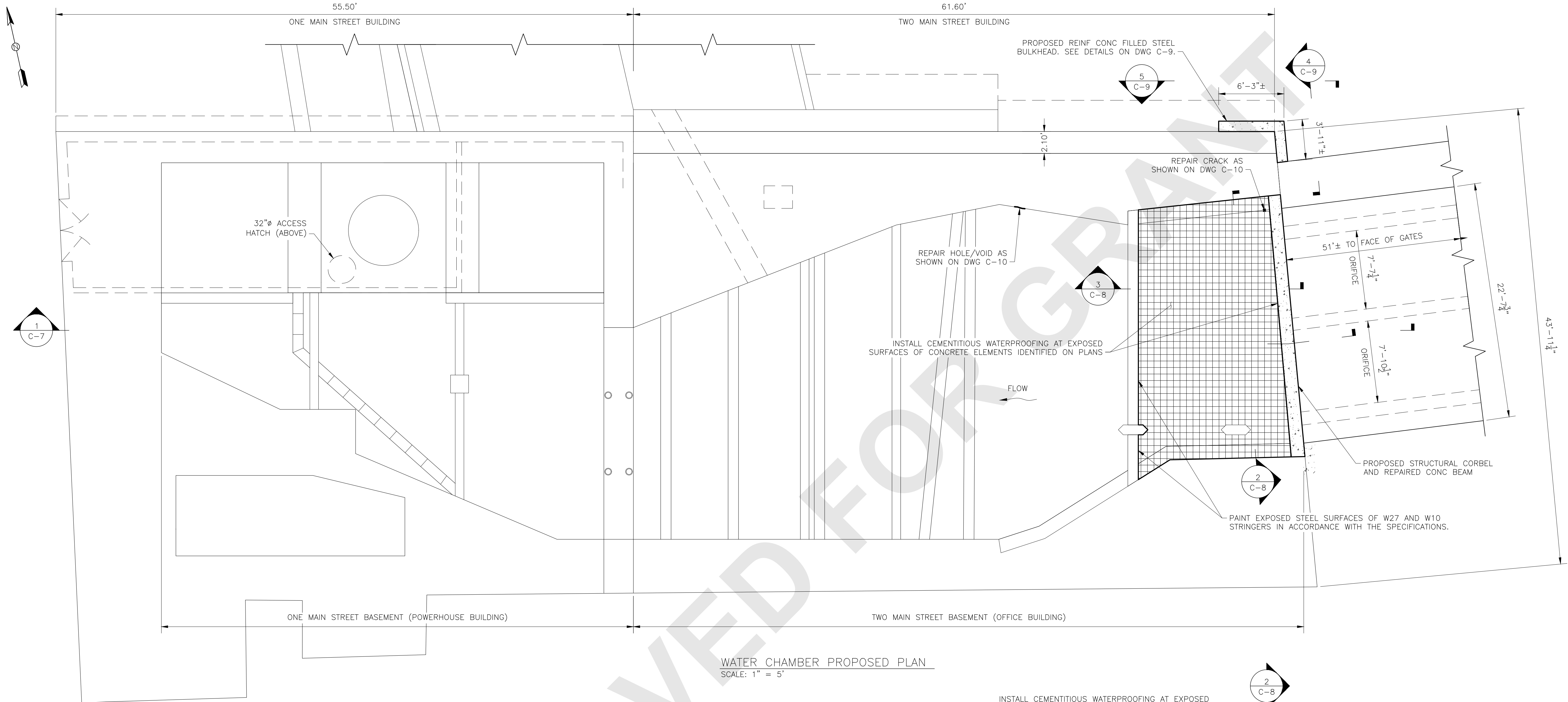
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C-6

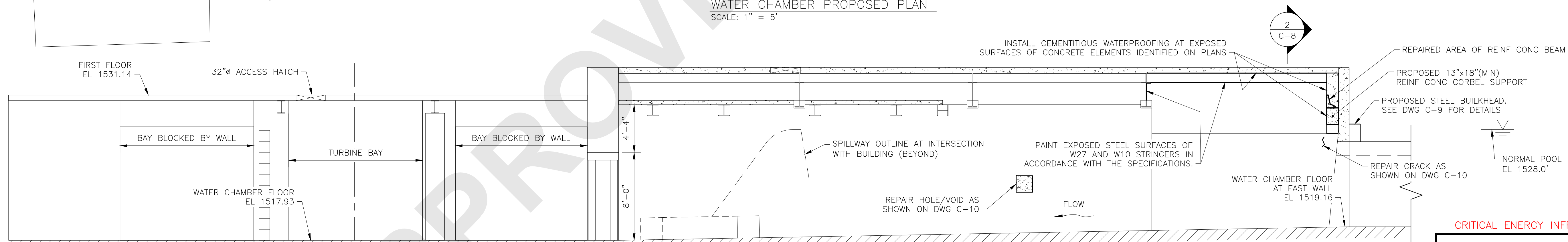


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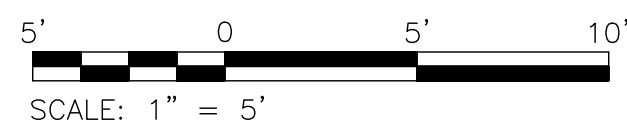
WATER CHAMBER PROPOSED PLAN
SCALE: 1" = 5'



1 WATER CHAMBER SECTION
C-7 SCALE: 1" = 5'

WORK SEQUENCE:

1. THE EXTERIOR BULKHEAD SHALL BE INSTALLED FIRST IN CONSTRUCTION SEQUENCE TO STYMIE THE FLOW OF LEAKAGE INTO THE WATER CHAMBER AND ALLOW FOR ADEQUATE OBSERVATIONS TO BE MADE. AFTER BULKHEAD IS INSTALLED, ALL INSTANCES OF LEAKAGE SHALL BE REPORTED TO THE ENGINEER. ADDITIONAL REPAIRS MAY BE REQUIRED.



Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of New York.



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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



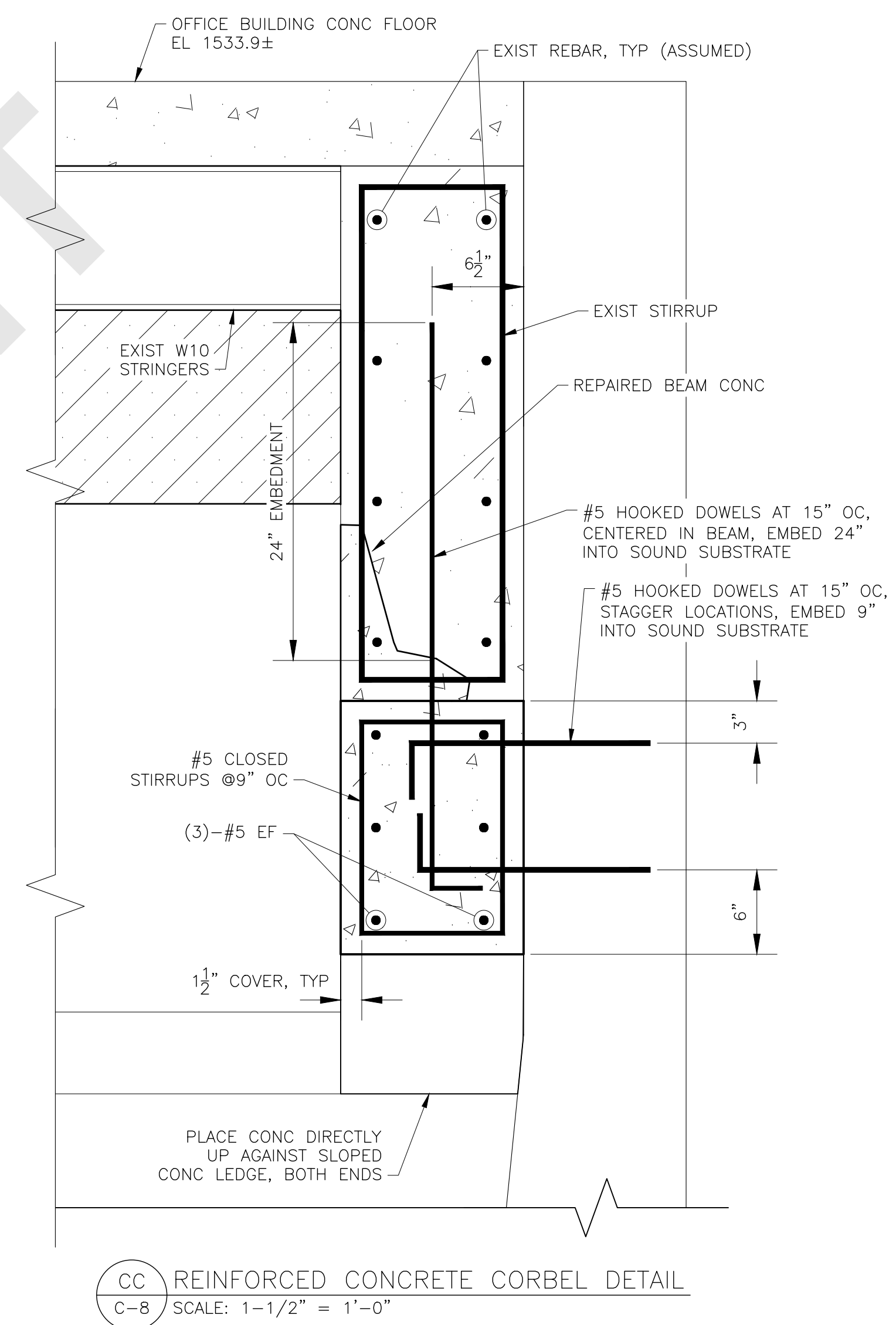
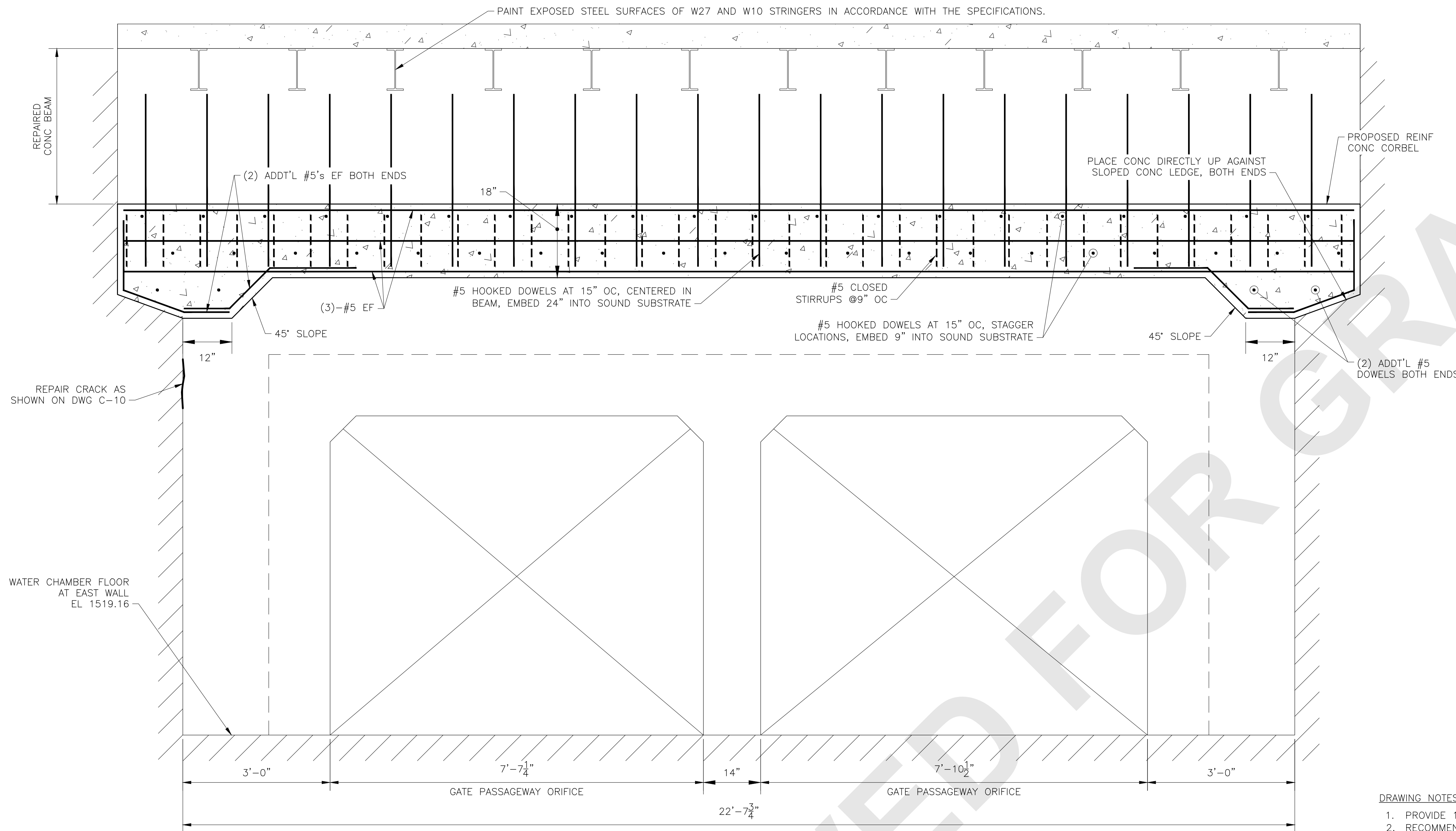
PROPOSED WATER CHAMBER PLAN
AND SECTION

SCALE: AS NOTED
ISSUE DATE: 09/15/2025

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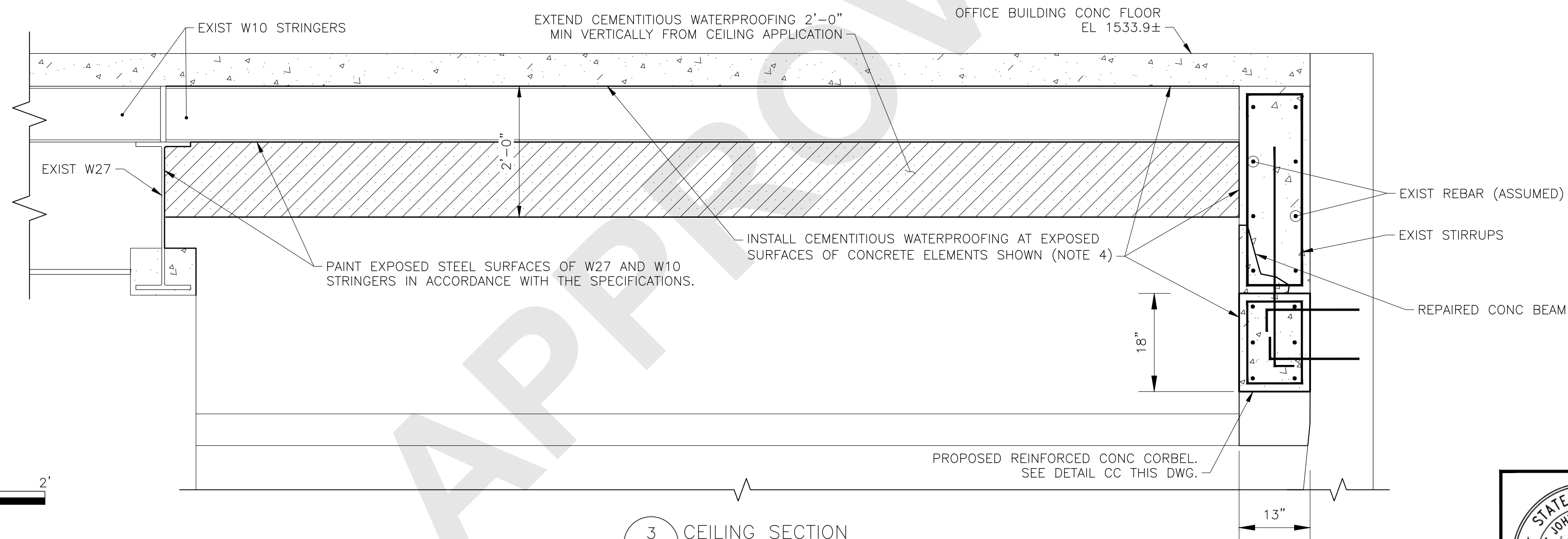
C-7

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DRAWING NOTES:

1. PROVIDE 1 $\frac{1}{2}$ " COVER ON REINFORCEMENT UNLESS OTHERWISE NOTED.
2. RECOMMENDED REPAIR SEQUENCE IS TO INSTALL REINFORCED CONCRETE CORBEL, THEN REPAIR EXISTING BEAM.
3. DRILL AND GROUT SOLID ALL DOWELS WITH NON-SHRINK GROUT.
4. INSTALL CEMENTITIOUS WATERPROOFING CEM-KOTE FLEX ST-RESTORATION OR APPROVED EQUAL TO ALL EXPOSED SURFACES OF CONCRETE AS SHOWN ON THE PLANS. INSTALL WATERPROOFING AS PER THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS.



1' 0 1' 2'
SCALE: 3/4"=1'-0"

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

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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

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WATER CHAMBER REPAIR

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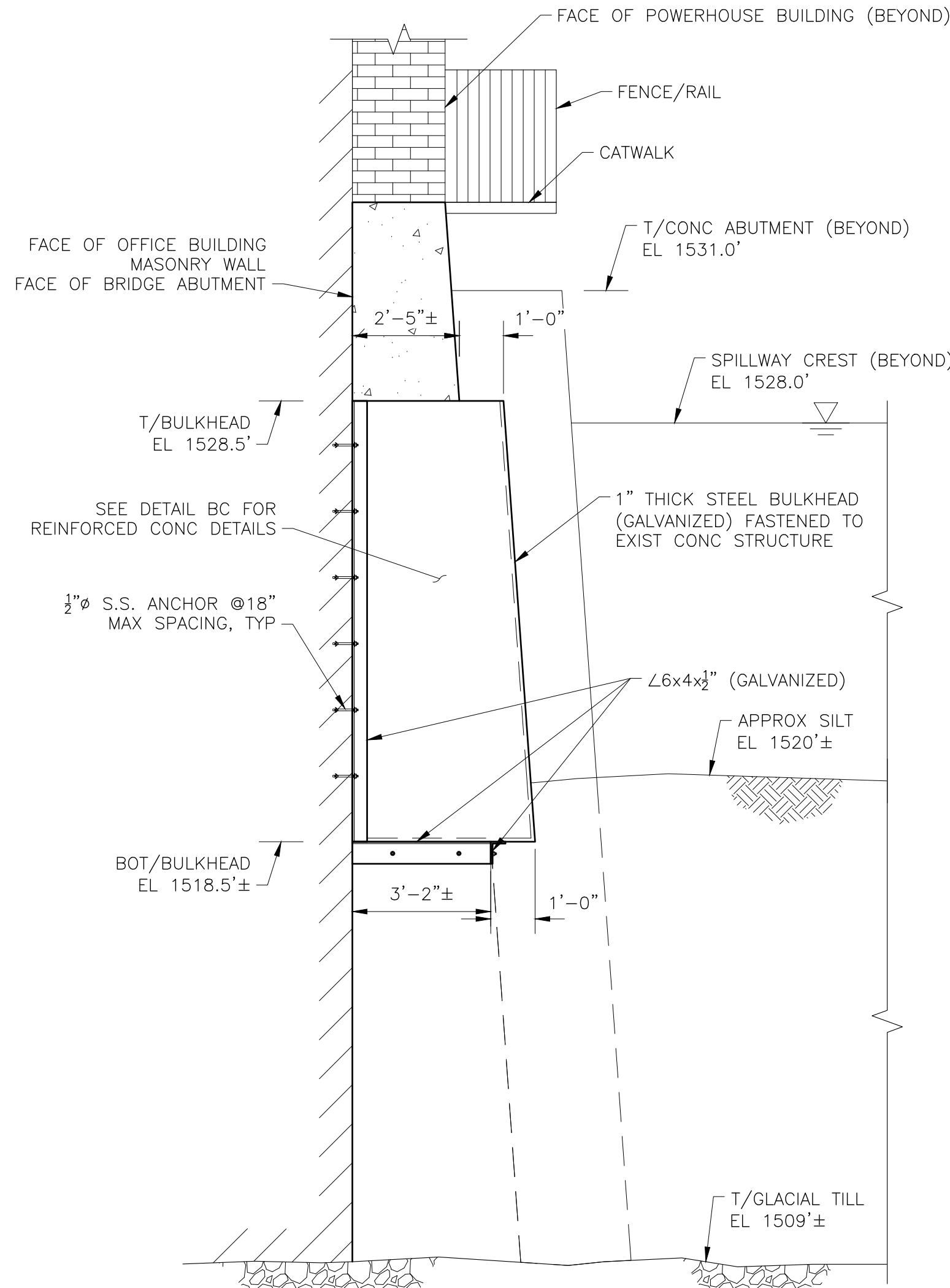
PROPOSED WATER CHAMBER
SECTIONS AND DETAILS

SCALE: AS NOTED ISSUE DATE: 09/15/2025

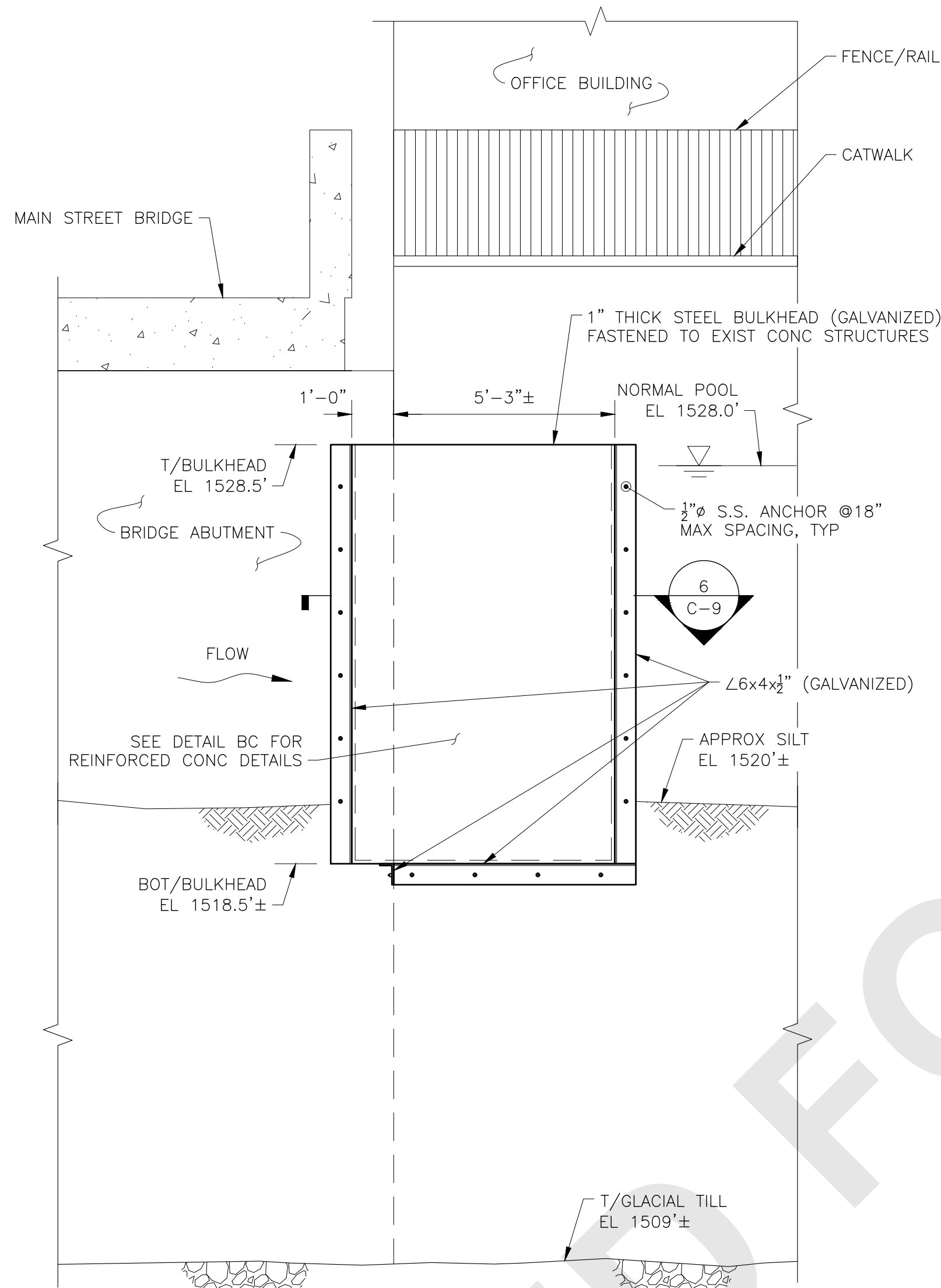
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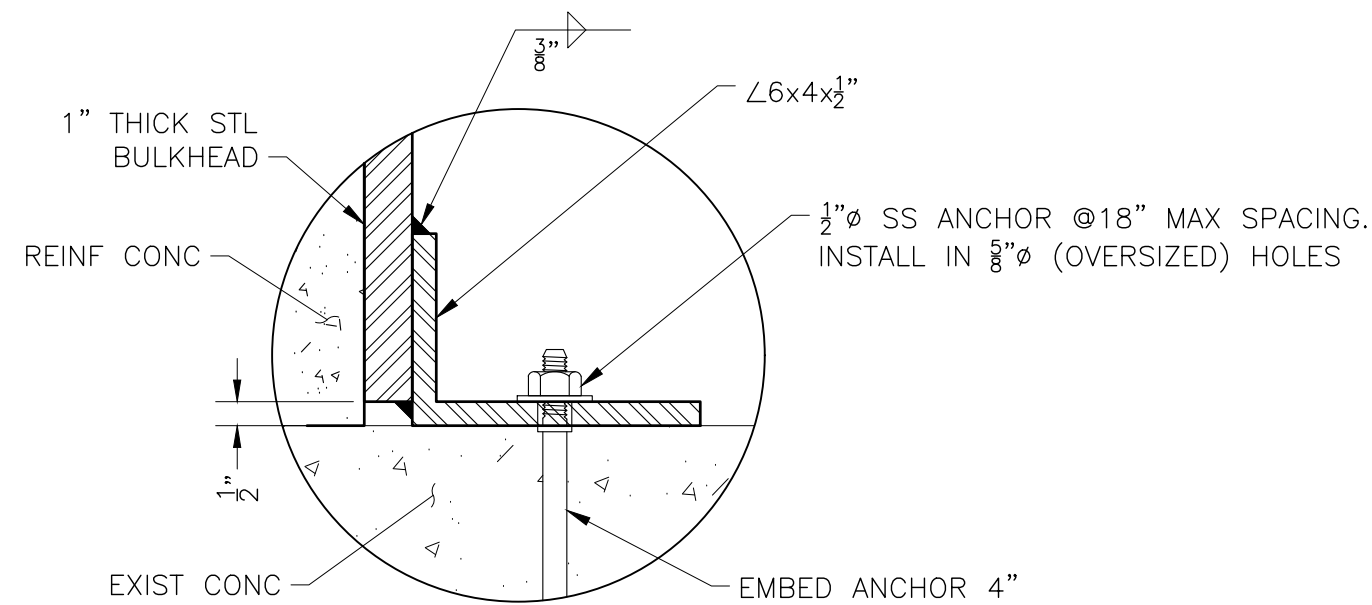
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4 NORTHEAST CORNER ELEVATION
C-7 SCALE: 3/8" = 1'-0"



5 NORTHEAST CORNER ELEVATION
C-7 SCALE: 3/8" = 1'-0"

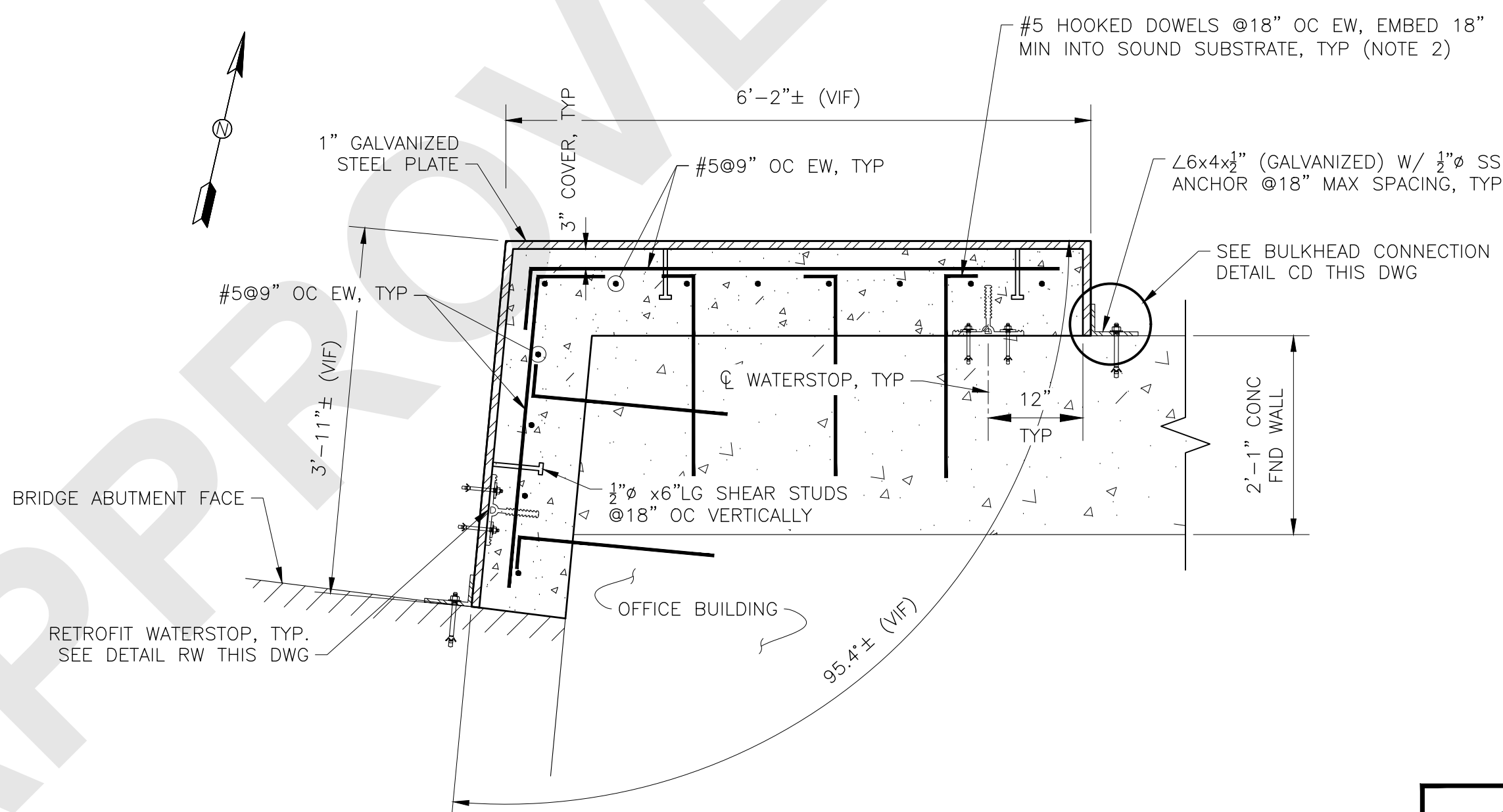


CD BULKHEAD CONNECTION DETAIL
C-9 SCALE: 1" = 0'-4"

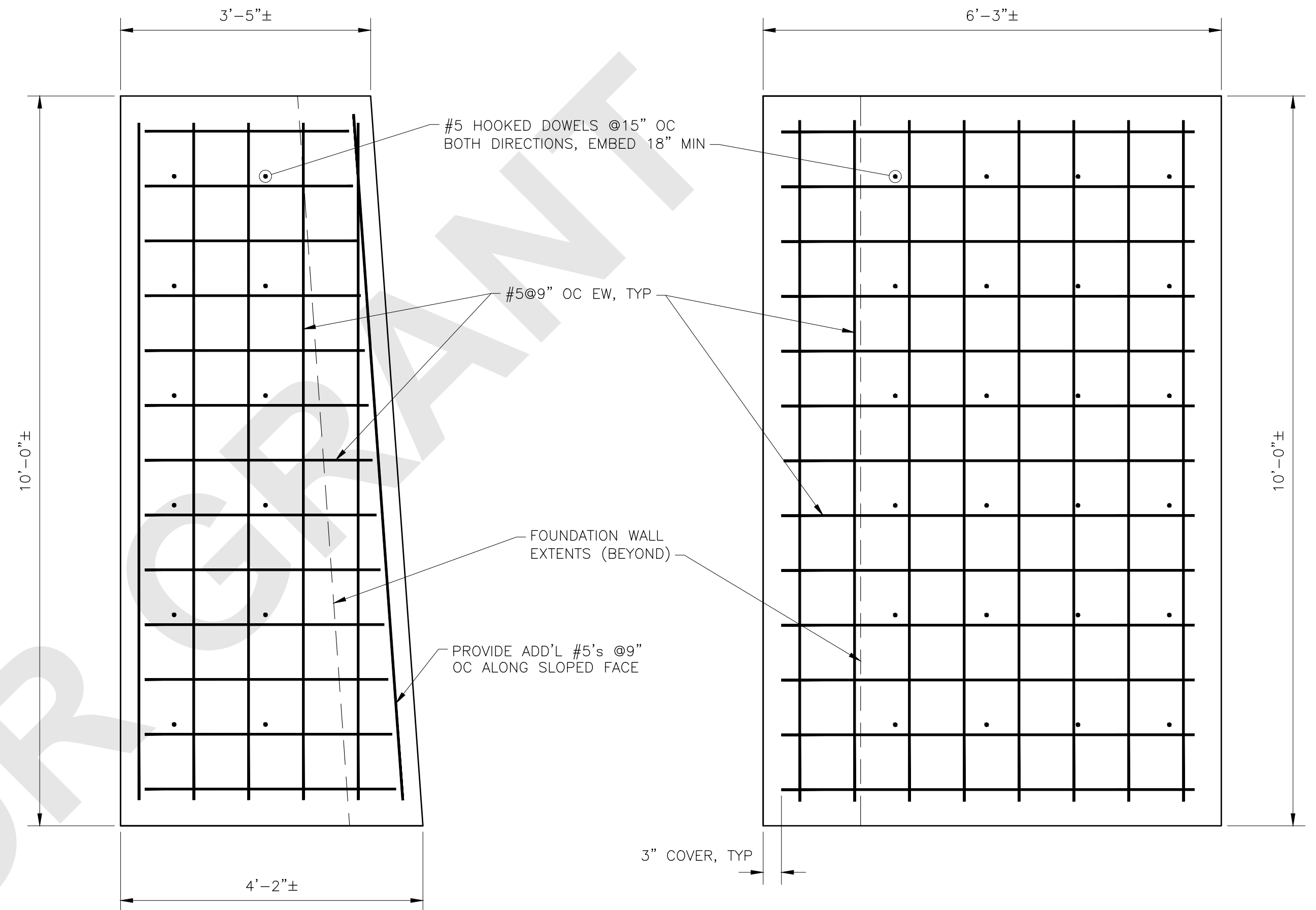
1' 0 1' 2'
SCALE: 3/8" = 1'-0"

1' 0 1' 2'
SCALE: 3/4" = 1'-0"

1' 0 1' 2'
SCALE: 3" = 1'-0"



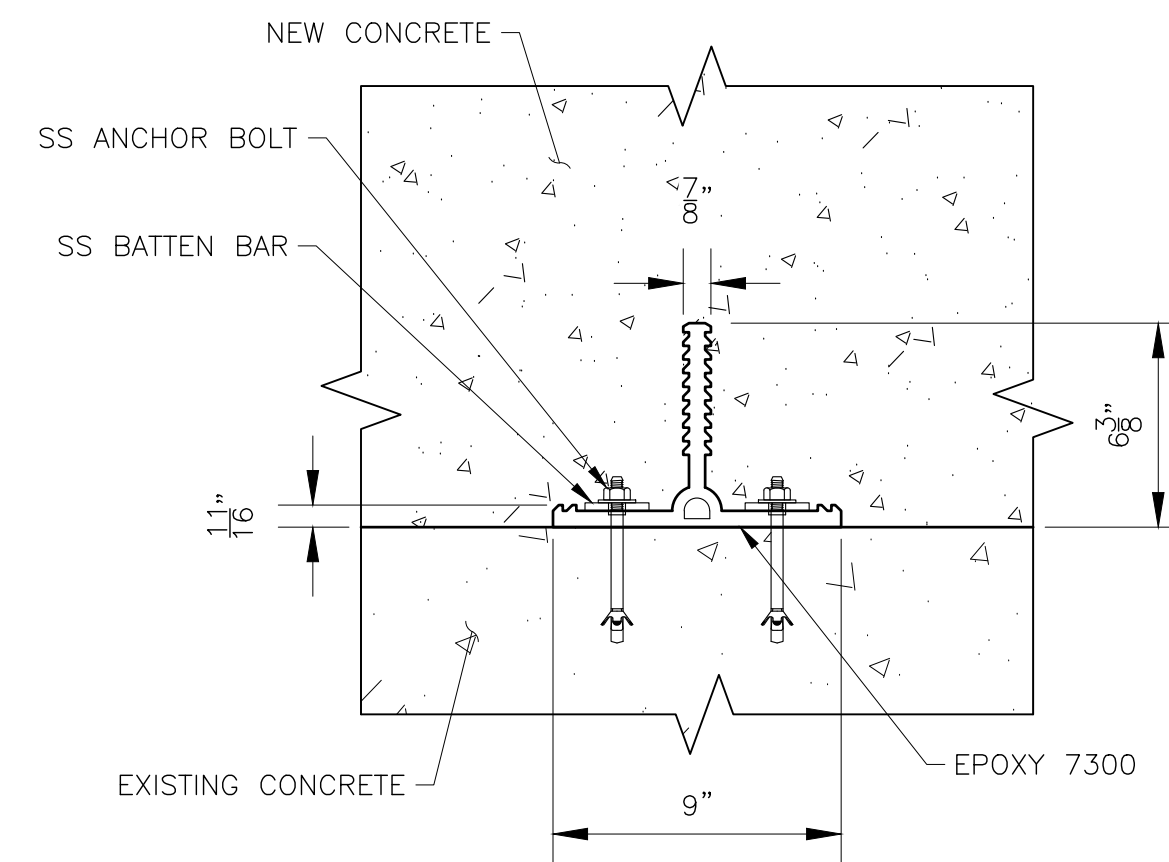
6 BULKHEAD REINFORCED CONCRETE SECTION
C-9 SCALE: 3/4" = 1'-0"
(DETAIL HAS BEEN MIRRORED)



BC BULKHEAD REINFORCED CONCRETE DETAIL
C-9 SCALE: 3/4" = 1'-0"

BULKHEAD NOTES:

- ESTIMATED BULKHEAD EXTENTS SHOWN FOR BIDDING AND ESTIMATING PURPOSES ONLY. PRIOR TO FABRICATION, CONTRACTOR TO RETAIN THE SERVICES OF A QUALIFIED DIVE INSPECTION FIRM TO ESTABLISH THE EXTENTS REQUIRED FOR DEMOLITION AND REPAIR. EXTEND BULKHEAD EXTENTS A MINIMUM OF 12" BEYOND NEAREST DETERIORATION IN ALL DIRECTIONS.
- INSTALL DOWELS WITH 6" MINIMUM CLEARANCE FROM NEAREST EDGE OF SOUND SUBSTRATE.
- STEEL PLATE AND ANGLE TO BE GALVANIZED.
- PRIOR TO CONCRETE PLACEMENT, PUMP STANDING WATER OUT OF BULKHEAD.
- CONCRETE SHALL BE TREMIE PLACED IN THE BULKHEAD. START PLACEMENT OF CONCRETE AT THE BOTTOM OF THE BULKHEAD AND RAISE THE TREMIE CONDUIT AS THE CONCRETE FILLS THE BULKHEAD. TREMIE CONDUIT SHALL NOT BE HIGHER THAN THE TOP LEVEL OF THE NEW CONCRETE AT ANY POINT DURING PLACEMENT.



RW WATERSTOP DETAIL
C-9 SCALE: NOT TO SCALE

WATERSTOP NOTES:

- PROVIDE SIKA/GREEN STREAK WATERSTOP 667 OR APPROVED EQUAL ALONG FACE OF OFFICE BUILDING BETWEEN EXISTING AND NEW CONCRETE BULKHEAD.
- SURFACES IN DEMOLISHED AREAS SHALL BE GROUND DOWN SMOOTH AT THE WATERSTOP LOCATIONS.
- CENTER INSTALLED WATERSTOPS 12" FROM EDGE OF NEW CONCRETE.

CRITICAL ENERGY INFRASTRUCTURE INFORMATION

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LAKE FLOWER DAM HYDROELECTRIC PROJECT
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PROPOSED CORNER REPAIR
SECTIONS AND DETAILS

DWG NO.:

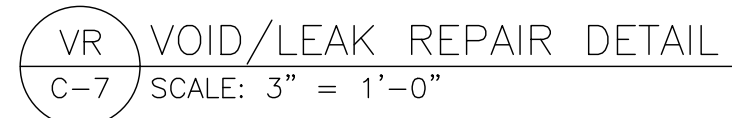
C-9

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1. PROTECT ALL REINFORCEMENT ENCOUNTERED FOR REUSE.
2. FORM UP RECTANGULAR REPAIR AREA AND PLACE CONCRETE TO PLUG VOID.



1. ROUT CRACK TO $\frac{1}{2}$ " WIDE BY $\frac{1}{2}$ " DEEP ALONG LENGTH OF CRACK.
2. CLEAN SURFACES OF ROUTED AREA TO REMOVE LOOSE, UNSOUND CONCRETE.
3. IF REQUIRED, PACK AREA WITH SIKASET PLUG OR EQUAL TO STOP LEAK.
4. DRILL $\frac{5}{8}$ " Ø HOLES @ 4" MAXIMUM SPACING ALONG LENGTH OF CRACK. HOLES TO INTERSECT CRACK AT 45° ANGLE.
5. INSTALL INJECTION PORTS. FLUSH HOLES WITH WATER.
6. PRESSURE INJECT SIKAFIX HH LV INTO HOLE. STOP WHEN GROUT IS SEEN AT ADJACENT HOLE.
7. MOVE TO NEXT HOLE AND REPEAT GROUTING PROCESS.
8. AFTER CRACKS ARE GROUTED, RETURN TO FIRST HOLE AND RE-GROUT, IF POSSIBLE.
9. REPEAT SECOND GROUTING OPERATION AT ALL HOLES.



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CRITICAL ENERGY INFRASTRUCTURE INFORMATION

VILLAGE OF SARANAC LAKE
LAKE FLOWER DAM HYDROELECTRIC PROJECT
FERC NO. 8369-NY

WATER CHAMBER REPAIR



MISCELLANEOUS DETAILS

SCALE:	AS NOTED	ISSUE DATE:	09/15/2025
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DWG NO.:

C-10

Technical Specifications

Lake Flower Hydroelectric Project
FERC NO. 8369-NY

Lake Flower Hydroelectric Project Water Chamber Repair

Prepared for:

Village of Saranac Lake

Prepared by:



8375 Seneca Turnpike
New Hartford, New York 13413

September 2025



Lake Flower Hydroelectric Project

WATER CHAMBER REPAIRS

Technical Specifications

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<u>Section No.</u>	<u>Title</u>
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SECTION 011025	MEASUREMENT AND PAYMENT
SECTION 012500	SUBSTITUTION PROCEDURES
SECTION 012900	PAYMENT PROCEDURES
SECTION 013100	PROJECT MANAGEMENT AND COORDINATION
SECTION 013150	CONSTRUCTION SCHEDULE
SECTION 013300	SUBMITTALS
SECTION 014000	QUALITY REQUIREMENTS
SECTION 014200	REFERENCES
SECTION 015000	TEMPORARY FACILITIES
SECTION 015500	MOBILIZATION/DEMOBILIZATION
SECTION 015713	TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS
SECTION 015723	SITE POLLUTION CONTROL
SECTION 017300	EXECUTION
SECTION 017700	CLOSEOUT PROCEDURES
SECTION 017839	PROJECT RECORD DOCUMENTS
SECTION 020750	CONCRETE REMOVAL
SECTION 024113	SELECTIVE SITE DEMOLITION
SECTION 033000	CAST-IN-PLACE CONCRETE
SECTION 036000	ANCHOR BARS
SECTION 051200	STRUCTURAL STEEL FRAMING
SECTION 055000	METAL FABRICATIONS
SECTION 071600	CEMENTITIOUS AND REACTIVE WATERPROOFING
SECTION 099113	PAINTING

SECTION 004113**BID FORM****BID TABLE**

Bid Item No.	Bid Item	Lump Sum Bid Amount			
		Unit	Qty	Amount in Words	Amount in Numerals
1	Mobilization/Demobilization	L.S.	1	Dollars	\$
2	Erosion and Sediment Controls	L.S.	1	Dollars	\$
3	Care and Diversion of Waters	L.S.	1	Dollars	\$
4	Dive Inspection	L.S.	1	Dollars	\$
5	Concrete Removal (10± C.Y.) ⁽¹⁾	L.S.	1	Dollars	\$
6	Concrete Placement (2.5± C.Y.) ⁽²⁾	L.S.	1	Dollars	\$
7	Concrete Leak Repairs	L.S.	1	Dollars	\$
8	Concrete Filled Steel Bulkhead	L.S.	1	Dollars	\$
9	Steel Cleaning	L.S.	1	Dollars	\$
10	Steel Painting	L.S.	1	Dollars	\$
11	Cementitious Waterproofing	L.S.	1	Dollars	\$
TOTAL BASE BID				Dollars	\$
(1) Item 5, Unit Price per CY Above Base Bid Quantity				Dollars	\$
(2) Item 6, Unit Price per CY Above Base Bid Quantity				Dollars	\$

END OF SECTION

SECTION 011000
SUMMARY OF WORK

PART 1 – GENERAL

1.01 WORK INCLUDED

A. Work of this Contract: includes addressing leakage into the powerhouse and office building and implementation of repairs to support members of the first floor at the Lake Flower Dam Hydroelectric Project located on the Saranac River in Saranac Lake, NY. The dam is owned by the Village of Saranac Lake. The Work is generally described below:

1. Staging/Laydown areas
2. Temporary facilities
3. Temporary sediment and erosion control measures.
4. Dewatering
5. Selective silt removal at northeast corner of office building
6. Dive inspection at northeast corner of office building to determine bulkhead extents.
7. Underwater demolition of deteriorated foundation wall material
8. Drill and grout dowels for bulkhead. Install reinforcement for bulkhead repair. Install waterstops.
9. Install steel bulkhead.
10. Tremie place concrete inside the bulkhead to repair the void/leakage into the office building basement.
11. Remove concrete ceiling section in water chamber.
12. Engineer's inspection of exposed ceiling area.
13. Selective removals of deteriorated concrete beam and void in north wall of water chamber. Remove conc ceiling suspension wires.
14. Blast clean exposed steel surfaces of W27 beam and W10 stringers.
15. Drill and grout dowels for concrete corbel. Install reinforcement for reinforced concrete corbel support.
16. Form and place concrete for corbel support.
17. Paint exposed steel W27 beam and W10 stringer surfaces.
18. Repair reinforced concrete beam.
19. Pressure inject grout at crack/leak in northeast corner of water chamber.
20. Install cementitious waterproofing of exposed reinforced concrete surfaces

21. Off-site disposal of demolition and construction debris.

- B. The summary of work as described in Division 1 is an overall summary of the responsibilities of the Contractor and its relationship with the Owner. It is not a comprehensive list of the all the work requirements, and it does not supersede the specific requirements of the other Contract Documents.

1.02 TIMING AND JOB DETAILS

A. Project Timing and Schedule:

1. The anticipated start date for this project is October 31, 2025, and the anticipated completion date is December 31, 2025.

B. Project Particulars:

1. The work under the General Contract is subject to permit requirements established by the State of New York, and FERC approval.

C. Job Conditions:

1. The Contractor shall be responsible to properly maintain, and secure sites used for the storage of Contractor's equipment and materials. Sites will be available on the Owner's property for storage of material adjacent to the worksite. The Contractor is to coordinate storage requirements with the Owner. The Contractor will be responsible for transporting his material to the work site as needed. Stockpiling of equipment and materials will not be allowed on public roads.
2. The Contractor shall provide all temporary facilities including water, sanitary sewage facilities, telephone, electricity and field office.
3. The Contractor is notified that prior to the commencement of construction activities, the Owner will lower the intake gates upstream of the Main Street Bridge to lower the water level inside of the water chamber. The Contractor shall provide for any additional dewatering measures necessary to perform the Work.
4. The Contractor is notified that the water level at the exterior northeast corner will remain at the approximate normal water surface level during construction activities, elevation 1528.0 feet (project datum).
5. The Contractor shall obtain the services of a qualified dive inspection firm to obtain the extents of voids and unsound material at the northeast corner of the office building prior to the commencement of construction activities. The Contractor shall contact the Engineer for repair direction following the dive inspection.
6. The Contractor is notified that sole access to the water chamber is facilitated through a 32-inch diameter circular hatch in the first floor of the turbine room of the powerhouse building. Access to this room from the outside is through a double door in the westmost portion of the building. Access into the water chamber requires a portable ladder of sufficient height, at a minimum.

7. The Contractor is informed that the water chamber is considered a confined space. All work performed shall be in accordance with OSHA guidelines.
8. The Contractor shall notify the Engineer after the concrete ceiling removal work has been performed in the water chamber. The Engineer will perform an inspection of the newly exposed structural elements and coordinate repair direction with The Contractor.
9. The Contractor shall be solely responsible for completing the work identified in these specifications and identified on the plans in a safe and reasonable manner that strictly adheres to all applicable safety regulations. The Owner shall allow the Contractor to occupy the site to complete construction activities (the Work) and agrees to work with the Contractor to clearly identify the areas that will be within the control of the Contractor to facility the Work. The Contractor shall openly communicate with the Owner and Engineer regarding safety matters and identify safety concerns and/or issues to the Owner immediately.

D. Water Supply

1. The Contractor shall make arrangements to provide and pay for temporary water service.
2. Drinking Water: A safe and adequate supply of drinking water shall be provided for all personnel at the site. Furnish disposable drinking cups.
3. Provide construction water of sufficiently pure and potable quality to avoid deleterious effect on any materials used. Provide hoses, piping, fittings, and valves as required to bring water to the location needed.

1.03 SITE SECURITY

A. Job Responsibilities:

1. The Contractor shall be responsible for site security during the work. The Owner will not be responsible for monitoring the site, or for theft of vandalism resulting from lack of security. The Contractor will be responsible to maintain security measures to secure the site form unauthorized entry. Any security measures erected shall be removed by the Contractor at the completion of work.

1.04 DEFINITIONS

- A. Owner: Village of Saranac Lake
- B. Contractor: TBD
- C. Engineer: Gomez and Sullivan Engineers, D.P.C., Utica, New York.
- D. Owner's Representative: Person or persons authorized to represent the Owner.

1.05 CONTRACTS

- A. The Work to be performed is shown on the Contract Drawings included and described in the Project Manual and technical specifications.

1.06 INTERPRETATION AND INTENT OF DRAWINGS AND SPECIFICATIONS

- A. The Contractor shall perform all measurements necessary to determine actual dimensions for the matching and proper fit of new material to the existing components.
- B. The Contractor is responsible for taking measurements of existing conditions and elevations. These shall take precedence over dimensions provided in the Contract Documents. If an error should exist, deviations from the Contract Documents shall be made only after an agreement in writing is obtained from the Owner.
- C. In resolving conflicts and discrepancies the documents shall be given precedence in the following order: Agreement, Modifications, Addenda, Special Conditions, Instructions to Bidders, Supplementary General Conditions, General Conditions, Specifications and Drawings.
- D. In case of discrepancy in regard to the Contract Drawings, a more detailed drawing shall take precedence over a less detailed drawing.

1.07 WORK RESTRICTIONS

- A. Access: Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Work hours shall be limited to Monday through Friday from 7:00 a.m. to 5:00 pm, and Saturday from 9:00 am to 5:00 pm, excluding legal holidays, and Sundays unless otherwise indicated. Hauling hours (truck movements) shall be limited to Monday through Friday from 9:00 am to 4:00 pm.
- C. Utilities: Confirm the location of all utilities prior to the commencement of excavation per the Dig Safe requirements.
- D. Permits: Comply with all conditions contained in relevant permits.

1.08 TEMPORARY COFFERDAM(S), LOCAL DEWATERING AND SEDIMENT CONTROL

- A. The contractor shall supply, install and remove temporary measures to prevent adverse erosion and sedimentation at the work site.
- B. The Contractor is notified that prior to the commencement of construction activities, the Owner will lower the intake gates upstream of the Main Street Bridge to lower the water level inside of the water chamber. The Contractor shall provide local dewatering to perform the Work in the dry.
- C. The Contractor is notified that the water level at the exterior northeast corner will remain at the approximate normal water surface level during construction activities, elevation 1528.0 feet (project datum).

1.09 OBSTACLES AND MINOR ADJUSTMENTS

- A. The drawings are not intended to show all details relating to exact location, size, and alignment of existing features, especially steel reinforcing, piping, embedded items and below grade or underwater features. The Contractor shall make such adjustments in location as may be needed to complete the Work, as approved by the Engineer.

1.10 PROTECTION OF EQUIPMENT AND MATERIALS

- A. The Contractor shall assume full and complete responsibility for protection and safekeeping of their equipment, materials, and products stored at the project location.
- B. The Contractor shall maintain manufacturer's Material Safety Data Sheets (MSDS) at site for all products used in project. MSDS sheets shall be provided to the Owner when requested.

1.11 PROJECT SAFETY

- A. The Contractor shall provide necessary barricades, temporary fencing, and other separations or closures to protect its workers, the Owner's employees and the public from harm or injury due to the construction operations and to restrict occupancy of the construction area to workers and authorized personnel.
- B. The Contractor shall provide OSHA compliant temporary walkway barriers as required for each of the different phases of the work.
- C. The Contractor shall perform work complaint with all OSHA standards, including Confined Space, Fall Protection, and Silica Dust provisions.

1.12 PROTECTION OF PROPERTY AND PERSONNEL

- A. The Contractor shall protect existing structures and grounds adjacent to the work areas. Structures scheduled to remain shall be braced as necessary to prevent damage. Contractor shall immediately repair any damage resulting from Contractor's operations to the satisfaction of the Owner and at no additional cost to the Owner.
- B. Construction work shall be performed in a manner to ensure that no material will enter the water. Provide netting, scaffolding, bracing, silt curtain(s), turbidity curtain(s) etc. as required.
- C. The Contractor shall restore disturbed areas of the site to pre-construction conditions or better.

1.13 ACCESS TO THE SITE

- A. General: Contractor shall have full use of Project site for construction operations during construction period.
- B. Sites will be available on the Owner's property for storage of material adjacent to the worksite. The Contractor is to coordinate storage requirements with the Owner. The Contractor will be responsible for transporting his material to the work site as needed. Stockpiling of equipment and materials will not be allowed on public roads.

1.14 TRAFFIC CONTROL PLAN

- A. The Contractor shall provide traffic safety measures in accordance with New York State standards for all work and or site access near Main Street.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION

APPROVED FOR GRANT

SECTION 011025
MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes descriptions of and methods for measuring and paying for each Contract Item.
- B. Related Requirements:
 - 1. Section 012900 "Payment Procedures" for administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.02 PROCEDURES

- A. For lump sum items, Contractor shall be paid in accordance with the progress schedule and schedule of values on the basis of actual work accepted until the work item is completed. Upon completion of the item, 100% of the lump sum price may be paid, less 5% retention.
- B. All units of measurement shall be standard United States convention as applied to the individual items of Work as specified and as interpreted by Engineer.
- C. At the end of Work each day, Contractor may meet with Engineer or Owner to determine the quantities of lump sum price work accomplished and/or completed.
- D. At the end of Work each week, Contractor shall provide Engineer with a summary of quantities of lump sum price work accomplished and/or completed during the preceding week.
- E. Once each month, Contractor will prepare and sign an Application for Payment and submit for review and signature of Engineer as specified in Section 012900 "Payment Procedures." These completed forms will provide the basis upon which payment will be made to Contractor.

1.03 SCOPE OF PAYMENT

- A. Payments to Contractor will be made for the Agreement lump sum price items performed and accepted in accordance with the Contract Documents. Upon completion of Work, if actual quantities show either an increase or decrease from estimated quantities, the Agreement lump sum prices will still prevail, except as provided in the General Conditions, Supplementary Conditions or Special Conditions.
- B. No payment of any Application for Payment or of any retained percentage shall relieve Contractor of the obligation to repair or replace any defective parts of the Work or to be responsible for all damage due to such defects during the construction period or the one-year warranty period.

1.04 PARTIAL PAYMENTS

- A. Partial payments shall be made monthly as the Work progresses. All partial invoices and payments shall be subject to correction in the final Application for Payment.
- B. No partial payment shall be made for fuels, supplies, lumber, false work, or other expendable or temporary materials, or on temporary structures of any kind which are not a permanent part of the Agreement.

1.05 PAYMENT FOR MATERIAL DELIVERED

- A. When requested by Contractor, and at the discretion of Engineer, payment may be made for all or part of the value of acceptable, non-perishable materials and equipment which are to be incorporated into the Work, which have not been used, and which have been delivered to the construction site and placed in storage area acceptable to Engineer. The Application for Payment shall be accompanied by such data, satisfactory to Engineer, that will establish Owner's title to the material and equipment and protect Owner's interest therein, including insurance. Each subsequent Application for Payment shall include an affidavit from the Contractor stating that all previous progress payments received on account of the Work have been applied to discharge in full all of Contractor's obligations reflected in prior Applications for Payment. Owner shall have the right to deduct from the next progress payment an amount equal to payment for said material and/or equipment if reasonable and adequate proof is not submitted.
- B. Materials and equipment, when so paid for by Owner, shall become the property of Owner and in the event of default on the part of Contractor, Owner may use, or cause to be used, these materials and equipment in the construction of the Work. The contractor shall be responsible for any damage to, or loss of, these materials and equipment. The amount paid by Owner shall reduce the estimated amounts due to Contractor as the material is incorporated into the Work.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 GENERAL

- A. The payment for various Contract Items listed below shall include all materials, labor, tools, equipment and incidental work necessary to complete the item in accordance with the Drawings and Specifications whether or not the particular Work is mentioned in the following paragraphs.

3.02 PAYMENT ITEMS

- A. The following Payment Items correspond to the Bid Items listed in the Itemized Proposal as attached to the Form of Agreement and Itemized Proposal. Measurement and payment for these items will be in accordance with paragraphs 1.02C and 1.02D above, and as follows:

1. ITEM No. 1 – MOBILIZATION/DEMOBILIZATION (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of all labor, equipment, and materials for project supervision, submittals, testing, permits, traffic control, site

pollution control, and mobilization/demobilization required to complete the work in accordance with the plans and specifications. Mobilization shall include setup by the Contractor of its necessary general plant including insurances, shop(s), power supply and power usage, temporary fencing, storage area(s), office(s), and such sanitary and other facilities as are required by local, county and state law or regulation. Demobilization shall include the subsequent removal from the project site of all construction equipment, materials, supplies, appurtenances, and temporary facilities, and cleaning and restoration of the site to its pre-construction condition. This item shall be payable to the Contractor in accordance with the following schedule:

1. Thirty-five percent (35%) upon submittal and approval of insurance certificates and first pay application,
2. Thirty-five percent (35%) upon achieving Substantial Completion, and
3. Thirty percent (30%) upon project completion, demobilization and cleaning up.

2. ITEM No. 2 – EROSION AND SEDIMENT CONTROL MEASURES (LS)

Payment for the Work of this item shall be made at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of providing (furnishing, installing, maintaining and removing) erosion and sediment control measures. Application for partial payment of fifty percent (50%) for this item can be made when the erosion and sediment control measures have been installed. Included under this item is maintenance for the duration of the project and removal of the measure when the site stabilization is complete. Application for final payment of the remaining balance for this item may be made upon project completion, demobilization and cleaning up.

3. ITEM No. 3 – CARE AND DIVERSION OF WATER (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of providing (furnishing and installing) temporary diversions, temporary sand bags, and temporary dewatering systems during construction to perform the work in the dry. Work shall include placement and maintenance of material to maintain a relatively dry work area. Partial payment will be made starting when the dewatering/diversion system is installed and the work area has been dewatered. The initial payment for this item shall be made after installation temporary diversions and dewatering systems and shall not exceed 60% of the Item bid price. Partial payments then after shall not exceed 15% of the Item bid price, except that 10% of the Item bid price will be withheld until removal of all temporary diversions and dewatering systems and achievement of final completion.

4. ITEM No. 4 – DIVE INSPECTION (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of performing an underwater dive inspection to obtain the extents of deteriorated and voided area at the northeast corner of the office building and issuing a report of findings with video documentation. Work shall include performance of a pre-construction dive inspection, removal of silt at the northeast corner to facilitate the inspection, soundings and other means of obtaining

information regarding the scope of demolition and repairs required at that location, and development and distribution of an inspection report with supporting video documentation. The payment for this item shall be made after the inspection is completed, the Engineer has discussed demolition and repair extents with the Contractor, and a resolution has been achieved between both the Contractor and Engineer.

5. ITEM No. 5 – CONCRETE REMOVAL (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price as provided in the Itemized Bid Form. Payment shall include removing and disposing of reinforced concrete. Work shall include concrete removals at all locations including the exterior northeast office building corner and interior water chamber concrete removals. The materials removed under this Item will become the responsibility of the Contractor and shall be disposed of in accordance with Section 020750 (Concrete Removal) and Section 024113 (Selective Site Demolition). Payment for concrete removal in excess of the Lump Sum quantity shall be at the Contract Unit Price per cubic yard.

6. ITEM No. 6 – REINFORCED CONCRETE (LS)

Payment for this item shall be at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of providing (furnishing, and installing) surface preparation, formwork, drilled and grouted dowels, placement of reinforcing steel (dowels and rebar), and placement of concrete. Work shall include reinforced concrete corbel installation and repairs to the reinforced concrete beam. Payment for concrete installation in excess of the Lump Sum quantity shall be at the Contract Unit Price per cubic yard.

7. ITEM No. 7 – CONCRETE LEAKAGE REPAIRS (LS)

Payment for this item shall be at the Contract Lump Sum Price provided in the Itemized Bid Form. Payment shall include cost of providing (furnishing, and installing) surface preparation, formwork, and placement of concrete and repair mortars at cracks and voids in the Water Chamber wall. Work shall include repairs to the void in the north wall of the water chamber and crack repairs at the interior northeast portion of the water chamber.

8. ITEM No. 8 – CONCRETE FILLED STEEL BULKHEAD (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price as provided in the Itemized Bid Form. Payment shall include providing (furnishing and installing) surface preparation, drilled and grouted dowels, placement of reinforcing steel (dowels and rebar), waterstop installations, fabrication and installation of steel bulkhead, and placement of concrete.

9. ITEM No. 9 – STEEL CLEANING (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price as provided in the Itemized Bid Form. Payment shall include providing blast cleaning equipment, blast cleaning media, environmental control measures required as part of Section 099113 (Painting), and removal and disposal of steel surfaces cleaned. Work shall include blast cleaning of exposed steel surfaces of the existing W27 beam and W10

stringers as outlined on the Construction Drawings and in accordance with the provisions outlined in Section 099113 (Painting).

10. ITEM No. 10 – STEEL PAINTING (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price as provided in the Itemized Bid Form. Payment shall include providing (furnishing and installing) approved epoxy and paint systems, environmental control measures required as part of Section 099113 (Painting), and cleanup as a result of paint system installation. Work shall include painting of exposed and cleaned steel surfaces of the existing W27 beam and W10 stringers as outlined on the Construction Drawings and in accordance with the provisions outlined in Section 099113 (Painting).

11. ITEM No. 11 – CEMENTITIOUS WATERPROOFING (LS)

Payment for the Work of this item shall be at the Contract Lump Sum Price as provided in the Itemized Bid Form. Payment shall include providing (furnishing and installing) approved cementitious waterproofing materials, surface preparation, environmental control measures required as part of Section 071600 (Cementitious and Reactive Waterproofing), and cleanup as a result of waterproofing installation. Work shall include painting of prepared, exposed concrete surfaces of the existing concrete floor and concrete supports as outlined on the Construction Drawings and in accordance with the provisions outlined in Section 071600 (Cementitious and Reactive Waterproofing).

END OF SECTION

SECTION 012500

SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Section includes administrative and procedural requirements for substitutions.

1.02 DEFINITIONS

- A. Concrete shall be defined as mortared rubble, and as Portland cement concrete.

1.03 SUBMITTALS

- A. Substitution Requests: Submit electronic copies of each request for consideration. Identify product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
 - 1. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
 - a. Statement indicating why specified product or fabrication or installation cannot be provided, if applicable.
 - b. Coordination information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors, that will be necessary to accommodate proposed substitution.
 - c. Detailed comparison of significant qualities of proposed substitution with those of the Work specified. Include annotated copy of applicable Specification Section. Significant qualities may include attributes such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
 - d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
 - e. Samples, where applicable or requested.
 - f. Certificates and qualification data, where applicable or requested.
 - g. Material test reports from a qualified testing agency indicating and interpreting test results for compliance with requirements indicated, where applicable or requested.
 - h. Cost information, including a proposal of change, if any, in the Contract Sum.
 - i. Contractor's certification that proposed substitution complies with requirements in the Contract Documents except as indicated in substitution request, is compatible with related materials, and is appropriate for applications indicated.

- j. Engineer's Action: If necessary, Engineer will request additional information or documentation for evaluation within 7 days of receipt of a request for substitution. Engineer will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or 7 days of receipt of additional information or documentation, whichever is later.

PART 2 – PRODUCTS

2.01 SUBSTITUTIONS

- A. Substitutions for Cause: Submit requests for substitution immediately on discovery of need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

PART 3 – EXECUTION (Not Used)

* * * * *

END OF SECTION

SECTION 012900
PAYMENT PROCEDURES

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Work includes administrative and procedural requirements necessary to prepare and process Applications for Payment.
- B. Related Requirements:
 - 1. Section 011025 "Measurement and Payment" for descriptions of and methods for measuring and paying for each Contract Item
 - 2. Section 013150 "Construction Schedule" for administrative requirements governing the preparation and submittal of Contractor's construction schedule

1.02 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as certified by Engineer and paid for by Owner.
 - 1. Initial Application for Payment, Application for Payment at time of Substantial Completion, and final Application for Payment involve additional requirements.
- B. Payment Application Times: Submit Application for Payment to Engineer by the 15th day of the month. The period covered by each Application for Payment is one month, ending on the last day of the month.
- C. Application for Payment Forms: Use EJCDC Document C-620, "Application for Payment," or approved equal as form for Applications for Payment.
- D. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Engineer will return incomplete applications without action.
 - 1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
 - 2. Include amounts of Change Orders and Construction Change Directives issued before the last day of construction period covered by application.
- E. Transmittal: Submit electronic copies of each Application for Payment to Engineer via email. One copy shall include waivers of lien and similar attachments if required.
 - 1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- F. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from entities lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.

1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
 2. When an application shows completion of an item, submit conditional final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 4. Waiver Forms: Submit executed waivers of lien on forms acceptable to Owner.
- G. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors
 2. Schedule of values
 3. Contractor's construction schedule (preliminary if not final)
 4. Submittal schedule (preliminary if not final)
 5. List of Contractor's staff assignments
 6. List of Contractor's principal consultants
 7. Initial progress report
 8. Report of preconstruction conference
 9. Certificates of insurance and insurance policies
 10. Performance and Payment Bonds
- H. Application for Payment at Substantial Completion: After Engineer issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.
 2. This application shall reflect Certificates of Partial Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
- I. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
 2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
 3. Updated final statement, accounting for final changes to the Contract Sum.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

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END OF SECTION

APPROVED FOR GRANT

SECTION 013100
PROJECT MANAGEMENT AND COORDINATION

Part 1 - GENERAL

1.01 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
 - 1. Requests for Information (RFIs)
 - 2. Project meetings
- B. Related Requirements:
 - 1. Section 017300 "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points

1.02 DEFINITIONS

- A. RFI: Request from Owner, Engineer, or Contractor seeking information required by or clarifications of the Contract Documents.

1.03 INFORMATIONAL SUBMITTALS

- A. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
 - 1. Name, address, and telephone number of entity performing subcontract or supplying products.
 - 2. Number and title of related Specification Section(s) covered by subcontract.
 - 3. Drawing number and detail references, as appropriate, covered by subcontract.

1.04 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, that depend on each other for proper installation, connection, and operation.
 - 1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
 - 2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
 - 3. Make adequate provisions to accommodate items scheduled for later installation.

- B. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
 - 1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.
- C. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
 - 1. Preparation of Contractor's construction schedule
 - 2. Preparation of the schedule of values
 - 3. Installation and removal of temporary facilities and controls
 - 4. Delivery and processing of submittals
 - 5. Participation in preconstruction and progress meetings
 - 6. Project closeout activities
 - 7. Startup and adjustment of systems

1.05 REQUESTS FOR INFORMATION (RFIs)

- A. General: Immediately on discovery of the need for additional information or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
 - 1. Project name
 - 2. Project number
 - 3. Date
 - 4. Name of Contractor
 - 5. Name of Engineer
 - 6. RFI number, numbered sequentially
 - 7. RFI subject
 - 8. Specification Section number and title and related paragraphs, as appropriate
 - 9. Drawing number and detail references, as appropriate
 - 10. Field dimensions and conditions, as appropriate

11. Contractor's suggested resolution. If Contractor's solution(s) impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
 12. Contractor's signature
 13. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
- C. RFI Forms: Form provided by Engineer or otherwise approved by Engineer.
- D. Engineer's Action: Engineer will review each RFI, determine action required, and respond. Allow 7 working days for Engineer's response for each RFI. RFIs received by Engineer after 1:00 p.m. will be considered as received the following working day.
1. Engineer's action may include a request for additional information, in which case Engineer's time for response will date from time of receipt of additional information.
- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit updated log with the submission of each new RFI.
- F. On receipt of Engineer's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Engineer within 7 days if Contractor disagrees with response.
1. Include identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.
 2. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Engineer in writing within 7 days of receipt of the RFI response.

1.06 PROJECT MEETINGS

- A. General: Engineer will schedule and conduct meetings and conferences virtually unless otherwise indicated.
1. Attendees: Engineer will inform participants and others involved, and individuals whose presence is required, of date and time of each meeting.
 2. Agenda: Engineer will prepare the meeting agenda and distribute to all invited attendees.
 3. Minutes: Engineer will record significant discussions and agreements achieved and distribute the meeting minutes to everyone concerned, including Owner, Owner's Representative, and Contractor, within 7 days of the meeting.
- B. Preconstruction Conference: Engineer will schedule and conduct a preconstruction conference before starting construction, at a time convenient to all parties involved, at least 10 days prior to start of construction.
1. Attendees: Authorized representatives of Owner, Engineer, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; project partners;

permitting agencies; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.

2. Agenda: Items of significance that could affect progress will be discussed, including the following:
 - a. Tentative construction schedule
 - b. Phasing
 - c. Critical work sequencing and long-lead items
 - d. Designation of key personnel and their duties
 - e. Permit requirements
 - f. Procedures for processing field decisions and Change Orders
 - g. Procedures for RFIs
 - h. Procedures for testing and inspecting
 - i. Procedures for processing Applications for Payment
 - j. Distribution of the Contract Documents
 - k. Submittal procedures
 - l. Preparation of record documents
 - m. Use of the premises
 - n. Work restrictions
 - o. Working hours
 - p. Responsibility for temporary facilities and controls
 - q. Procedures for disruptions and shutdowns
 - r. Construction waste management and recycling
 - s. Parking availability
 - t. Office, work, and storage areas
 - u. Equipment deliveries and priorities
 - v. First aid
 - w. Security
 - x. Progress cleaning
3. Minutes: Engineer will record and distribute meeting minutes.

C. Progress Meetings: Engineer will conduct progress meetings virtually at weekly intervals.

1. Attendees: In addition to representatives of Owner and Engineer, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. Other project partners and/or permitting agencies may be invited to attend. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
2. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
 - a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
 - i. Review schedule for next period.
 - b. Review present and future needs of each entity present, including the following:
 - i. Interface requirements
 - ii. Sequence of operations
 - iii. Status of submittals
 - iv. Deliveries
 - v. Off-site fabrication
 - vi. Access
 - vii. Site utilization
 - viii. Temporary facilities and controls
 - ix. Progress cleaning
 - x. Quality and work standards
 - xi. Status of correction of deficient items
 - xii. Field observations
 - xiii. Status of RFIs
 - xiv. Status of proposal requests
 - xv. Pending changes

- xvi. Status of Change Orders
 - xvii. Pending claims and disputes
 - xviii. Documentation of information for payment requests
3. Minutes: Engineer will record and distribute the meeting minutes to each party present and to parties requiring information.
- a. Schedule Updating: Revise Contractor's construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION

SECTION 013150
CONSTRUCTION SCHEDULE

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Contractor shall prepare a construction schedule for his Work.
- B. Provide projected construction schedules for entire Work. Update schedules every two weeks or as directed by the Owner's Representative.

1.02 PROJECT SCHEDULE DESCRIPTION

- A. Develop a master schedule that includes the Work of all trades. Adjust schedule to reflect the current status as the Work progresses. The schedule shall be the basis for coordination of the Work throughout the duration of the project.
- B. Before the Work is started, prepare a sequential list of Work items which constitutes the entire Work on the project. The master schedule shall allow ample time for completion of Work prior to the contract completion date.
- C. Integrate shop drawing submittals and delivery dates of critical items of material and equipment into the schedule. Contractor shall keep himself apprised of the status of shipping dates, shipments, and deliveries throughout the project, shall communicate with suppliers as necessary to assure compliance and shall be responsible for notifying the Owner's Representative of changes in delivery dates which affect the progress of the project.

1.03 CONSTRUCTION SEQUENCE

- A. The proposed general sequence of the Contractor's work shall be modified as required. Some activities may occur concurrently.
 - 1. Install environmental protection measures.
 - 2. Install staging/storage areas and temporary facilities.
 - 3. Northeast corner repair
 - a. Perform selective silt removal at exterior of northeast office building corner and perform pre-construction dive inspection to obtain demolition and repair extents. Fabricate steel bulkhead.
 - b. Conduct underwater demolition to remove deteriorated and unsound foundation wall material at northeast corner void.
 - c. Install reinforcement and drill and grout dowels. Install waterstops.
 - d. Install fabricated steel bulkhead.
 - e. Pump out water from bulkhead. Tremie place concrete in steel bulkhead.

4. Interior water chamber repairs

- a. Remove concrete ceiling section. Contact Engineer for inspection of newly exposed elements.
- b. Selective removal of deteriorated and unsound material from reinforced concrete beam and void in north wall of water chamber.
- c. Blast clean exposed steel surfaces of W27 beam and W10 stringers
- d. Install reinforcement for proposed concrete corbel. Drill and grout dowels.
- e. Form and place concrete for concrete corbel.
- f. Paint exposed surfaces of steel W27 beam and W10 stringers.
- g. Repair reinforced concrete beam.
- h. Pressure inject grout at crack/leak in northeast corner of water chamber
- i. Install cementitious waterproofing at exposed concrete surfaces as specified on the plans.

1.04 CONTENT OF SCHEDULE

- A. A complete sequence of construction activity.
- B. Dates for beginning and completion of each element of Work.
- C. For each month shown on the schedule, indicate the projected percentage of completion for each Category of Work.

1.05 UPDATING

- A. Update the schedule to show all changes occurring since previous submission of schedule.
- B. Indicate progress of each activity.
- C. Include:
 1. Actual progress to date.
 2. Major changes in scope.
 3. Activities modified since previous updating.
 4. Revised projection due to changes.

1.06 SUBMITTALS

- A. General Contractor, submit initial schedule at pre-construction meeting.
 1. Engineer or Owner's Representative will review schedule and return reviewed copy within 7 days after receipt.
 2. Resubmit schedule within 5 days after return of review copy.

- B. Submit one transparent copy of all updated schedules showing progress to date.
- C. The Construction Schedule shall be completed and approved prior to submission of the first payment application.
- D. Submit Construction Schedule updates with each monthly payment request.

1.07 DISTRIBUTION

- A. Distribute copies of reviewed schedules to:
 - 1. Owner's Representative.
 - 2. Engineer.
 - 3. Job site files.
 - 4. Subcontractors.
 - 5. Other Concerned Parties.
- B. Instruct recipients to report, within 5 days, any inability to comply with the schedule and provide detailed explanation with suggested remedies.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION

SECTION 013300

SUBMITTALS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Submit shop drawings, product data, and samples required by the specification sections to the Engineer. Concurrently, a copy of all transmittal letters shall be sent to the Owner's Representative.
- B. Attached is a Submittal Log form that is to be filled out and returned to the Engineer.
- C. The Submittal Log is to be returned to the Engineer with the submittal date column filled in indicating anticipated dates for making each submittal. This log shall be completed and submitted before the first application for payment will be approved.
- D. Submit submittals to allow adequate time for checking, resubmittal, and rechecking, if required, without causing delay of the Construction Schedule.
- E. Schedule submittals to be completed within 20 days after Award of Contract. Indicate items requiring more than 20 days with an explanation for the additional time and on what dates they will be submitted. The dates indicated for each submittal shall take into account the lead time required for ordering and fabricating the various items.

1.02 SHOP DRAWINGS

- A. Original drawings, prepared by Contractor, Subcontractor, supplier or distributor, which illustrate some portion of the work showing fabrication, layout, setting, or erection details.
 - 1. Identify details by reference to sheet and detail numbers shown on shop drawings.
 - 2. Sheet size, multiple of 8½ by 11 inches or 11 by 17 inches, not to exceed size of Contract Drawings when unfolded.
 - 3. Photographic reproductions of Contract Drawings will not be accepted as shop drawings and will be rejected.

1.03 PRODUCT DATA

- A. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, and other standard descriptive data.
 - 1. Modify product data to delete information which is not applicable to project.
 - 2. Supplement standard to provide additional information applicable to project.
 - 3. Clearly mark each copy to identify applicable materials, products, or models.
 - 4. Show dimensions and clearances required.
 - 5. Show performance characteristics and capacities.

1.04 SAMPLES

- A. Provide samples as required by the Contract Documents.

1.05 CONTRACTOR RESPONSIBILITIES

- A. Review, approve, stamp and sign shop drawings, product data, and samples prior to submission to the Engineer.
- B. Verify
 - 1. Field measurements.
 - 2. Field construction criteria
 - 3. Catalog numbers and other data.
- C. Coordinate each submittal with requirements of Work and Contract Documents.
- D. Contractor's responsibility for errors and omissions in submittals is not relieved by Engineer's review of submittals.
- E. Contractor's responsibility for deviations in submittals from requirements of Contract Documents is not relieved by Engineer's review of submittals unless the Contractor clearly indicated the submittal included a deviation for the contract plans and the Engineer provides written acknowledgement and acceptance of the specific deviations.
- F. Notify Engineer in writing, at time of submission, of deviations in submittals from requirements of Contract Documents.
- G. Do not start, fabricate, or install work requiring submittals until submittals meeting Contract Requirements have been reviewed and approved by the Engineer.
- H. After Engineer's review, Contractor is to distribute copies of submittals to parties requiring same for coordination of work.
- I. Make required copies for distribution of shop drawings and product data that have been stamped and signed by the Engineer.

1.06 SUBMISSION REQUIREMENTS

- A. Schedule submissions to allow 10 working days for review.
- B. Accompany submittal with transmittal letter, containing:
 - 1. Date.
 - 2. Engineer's project title and number.
 - 3. Contractor's name and address.
 - 4. Notification of deviations from Contract Documents.
 - 5. Additional pertinent data.
- C. Submittals shall include:
 - 1. Date and revision dates.

2. Engineer's project title and number.
 3. The names of:
 - a. Engineer.
 - b. Contractor.
 - c. Subcontractor.
 - d. Supplier.
 - e. Manufacturer.
 4. Identification of product
 5. Relation to adjacent structure or materials.
 6. Field dimensions clearly identified as such.
 7. Technical Specification section number.
 8. Applicable standards.
 9. A blank space, 4 by 4 inches, for the Engineer stamp.
 10. Identification of deviations for Contract Documents.
 11. Contractor's stamp, initialed or signed, certifying Contractor's review of submittal, verification of field measurements and compliance with Contract documents.
 - a. Submittals without Contractor's stamp will be returned without being reviewed.
- D. Shop Drawing Submittal Cover Sheet
1. Attach submittal cover sheet, with all blanks filled in for each shop drawing, product data, and sample.

1.07 RESUBMISSION REQUIREMENTS

- A. Shop Drawings
1. Revise initial drawings as required and resubmit as specified for initial submittal.
 2. Indicate on drawings changes which have been made other than those requested by the Engineer.
- B. Product Data and Samples: Submit new data and samples as required for initial submittal.

1.08 CONTRACTOR'S DISTRIBUTION OF SUBMITTALS

- A. Distribute copies of shop drawings and product data which carry the Engineer stamp to:
1. Other Contractors, as required for coordination.
 2. Subcontractors, as required for coordination.
 3. Supplier.

4. Fabricator.

B. Distribute samples as directed by the Engineer.

1.09 ENGINEER

A. Review design concept of Project.

B. Review of separate items does not constitute review of an assembly in which item functions.

C. Stamp and initial or sign certifying the review of submittal.

D. Explanation of Engineer's Stamp

1. NO EXCEPTION TAKEN: No corrections, no marks.

2. MAKE CORRECTIONS NOTED: Minor number of corrections; all items can be fabricated at Contractor's risk without further correction; checking is complete and all corrections are obvious without ambiguity.

3. REVISE AND RESUBMIT: Minor number of corrections; noted items must not be fabricated without further correction; checking is not complete; details of items noted by checker are to be further clarified; items not noted to be corrected can be fabricated at Contractor's risk under this stamp.

4. REJECTED: Drawings are rejected as not in accordance with the Contract, too many corrections, or other justifiable reason. The drawing must be corrected and resubmitted. No items are to be fabricated under this stamp.

5. SUBMIT SPECIFIED ITEM: Item is not as specified. Submit named manufacturer.

E. Return submittals to Contractor for distribution.

1.10 SUBMITTALS REQUIRED FOR REVIEW

A. The following is the Form of Schedule for required submittals. Contractor is responsible for reviewing each section to determine required submittals, whether shown on the following schedule or not.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

* * * * *

END OF SECTION

(See Attached Forms)

SUBMITTAL COVER SHEET

CONTRACTOR: _____

ADDRESS: _____

CONTRACT: _____

NAME OF PROJECT: Lake Flower Hydroelectric Project Water Chamber Repairs

GSE PROJECT NO.: 02663 **OWNER'S PROJECT NO.:** _____

TYPE OF SUBMITTAL: (Check) **DATE:** _____

☐ Shop Drawing	☐ Schedule	☐ Sample	☐ _____
☐ Product Data	☐ Certificate	☐ Color Sample	☐ _____
☐ Test Report	☐ Warranty	☐ _____	☐ _____

DESCRIPTION:

Product Name: _____

Manufacturer: _____

Address: _____

Subcontractor/
Supplier: _____

REFERENCES

Spec. Section No. _____ Drawing No(s) _____

Paragraph _____ Detail. No(s) _____

Submit Specified Item _____
No Exception Taken _____ Make Corrections Noted _____
Rejected _____ Revise and Resubmit _____

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Notations are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and correlated at the job site, fabrication processes and techniques of construction, coordination of his work with that of all other trades and the satisfactory performance of his work.

Date: _____ By: _____

Remarks

Contractor's Approval Stamp

GSE Received Stamp

SUBMITTAL LOG

CONTRACTOR: _____

ADDRESS: _____

NAME OF PROJECT: Lake Flower Hydroelectric Project Water Chamber Repairs

GSE No.: 02663

DATE: _____

LEGEND:	A - Shop Drawings	N - Roughing-In Drawings
	B - Manufacturer's Data	O - Procedures
	C - Samples (Office & Field)	P - Permits
	D - Color Selection	Q - Conference
	E - Schedules	R - Performance Date
	F - Guarantee	S - Design Calculations
	G - Warranty	T - Instructions
	H - Certificate of Compliance	U - Source of Materials
	I - Qualifications	V - Consent to Proceed
	J - List of Materials	W - Recommendations
	K - Testing and/or Test Reports	X - Operating & Maintenance Data
	L - Record Documents	Y - Contractor Personnel Data
	M - Visual Inspection & Approval	Z - Letter

SECTION 014000

QUALITY REQUIREMENTS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to demonstrate compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the contract document requirements.
 - 1. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and control procedures that facilitate compliance with the contract document requirements.
 - 2. Specific test and inspection requirements are not specified in this Section but are identified on the plans and/or in other specification sections.

1.02 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, procedures, and evaluations performed before and during execution of the Work to guard against defects and deficiencies and substantiate that quality control procedures have been followed and proposed construction will comply with Quality Control requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual product incorporated into the Work and completed construction comply with specified requirements.
- C. Preconstruction Testing: Tests and inspections performed specifically for the Project before products and materials are incorporated into the Work, to demonstrate performance or compliance with specified criteria.
- D. Product Testing: Tests and inspections that are performed by a testing agency qualified to conduct product testing and acceptable to Engineer, to establish product performance and compliance with specified requirements.
- E. Source Quality-Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- F. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- G. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- H. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a construction operation, including installation, erection, application, and similar operations.

1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade(s).
- I. Experienced: When used with an entity or individual, "experienced" means having successfully completed and can document a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

1.03 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual specification sections specify additional requirements.
- B. Testing Agency Qualifications: An independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual Sections; and, where required by authorities having jurisdiction, which is acceptable to authorities.
- C. Manufacturer's Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.

1.04 CONFLICTING REQUIREMENTS

- A. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits and with no adverse impact to schedule or budget. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Engineer through the Owner's Representative for a decision before proceeding.

1.05 REPORTS AND DOCUMENTS

- A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections as informational submittals.
- B. Manufacturer's Field Reports: Prepare written information documenting tests and inspections specified in other Sections.

1.06 QUALITY CONTROL

- A. Contractor is responsible for engaging and covering costs for independent testing agencies, or as required by the specification, a Representative of the equipment suppliers to perform all other testing and inspection services specified or required.
 1. Contractor will furnish Owner with names, addresses, and telephone numbers of testing agencies engaged in the Work, and a description of types of testing, procedures, inspecting, and reporting they are engaged to perform.

2. Costs for retesting and re-inspecting construction that replaces or is necessitated by work that failed to comply with the contract documents will be charged to the Contractor.
 3. Perform additional quality-control activities required to demonstrate that the Work complies with requirements, whether specified or not.
 4. Notify Owner's Representative and testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed (i.e. rebar placement, foundation preparation, concrete placement, field welding, etc.).
 5. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
 6. Testing and inspecting requested by Contractor and not required by the contract documents are Contractor's responsibility.
- B. Contractor shall fully cooperate and assist in obtaining samples and expediting tests and inspections, at no additional cost to the Contractor.
- C. Manufacturer's Field Services: Where indicated, engage a manufacturer's representative to observe and inspect the Work. Manufacturer's representative's services include examination of substrates and conditions, verification of materials, inspection of completed portions of the Work, and submittal of written reports.
- D. Re-testing/Re-inspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including re-testing and re-inspecting, for construction that replaced Work that failed to comply with the contract documents.
- E. Testing Agency Responsibilities: Cooperate with Owner's Representative and Contractor in performance of duties. Provide qualified personnel to perform specified tests and inspections.
1. Notify Owner's Representative and Contractor immediately following observation of irregularities or deficiencies observed in the Work during performance of its services.
 2. Confirm the location from which test samples will be taken and in which in-situ tests are conducted.
 3. Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
 4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
 5. Do not release, revoke, alter, or increase the contract document requirements or approve or accept any portion of the Work.
 6. Do not perform any duties of Contractor.
- F. Associated Services: The Contractor shall coordinate activities with agencies performing specified tests, inspections, and similar quality-control services, and provide reasonable

auxiliary services as requested. Contractor will notify agency within 48 hours of operations to permit assignment of personnel. Provide the following:

1. Access to the Work.
2. Incidental labor and facilities necessary to facilitate tests and inspections
3. Quantities of representative samples of materials that require testing and inspecting, as specified. Assist agency in obtaining samples.
4. Facilities for storage and field curing of test samples.

G. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and quality-control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

1. Schedule times for tests, inspections, obtaining samples, and similar activities.

1.07 TESTS AND INSPECTIONS

A. Tests and Inspections: Conducted by a qualified testing agency as required by authorities having jurisdiction, as indicated in individual specification sections, and as follows:

1. Confirming that manufacturer maintains detailed fabrication and quality-control procedures and reviews the completeness and adequacy of those procedures to perform the Work.
2. Notifying Owner's Representative and Contractor immediately following observations of irregularities and deficiencies observed in the Work during performance of its services.
3. Submitting a certified written report of each test, inspection, and similar quality-control service to Owner's Representative, with copy to Contractor and to authorities having jurisdiction.
4. Submitting a final report of special tests and inspections at substantial completion, which includes a list of unresolved deficiencies.
5. Interpreting tests and inspections, and state in each report whether tested and inspected work complies with or deviates from the contract documents.
6. Re-testing and re-inspecting corrected work.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 TEST AND INSPECTION LOG

A. Test and Inspection Log: Prepare a record of tests and inspections. Include the following:

1. Date test or inspection was conducted.
2. Description of the Work tested or inspected.

3. Date test or inspection results were transmitted to Engineer.
 4. Identification of testing agency or special inspector conducting test or inspection.
- B. Maintain log at Project site. Post changes and revisions as they occur. Provide access to test and inspection log for Owner's Representative's reference during normal working hours.

3.02 COORDINATION

- A. General: Contractor shall provide coordination with Owner approved contact at the site or as directed.
- B. Coordination Meeting: Contractor shall conduct a coordination meeting with authorized representatives of the testing agencies and the Owner's Representative. Provide written documentation of onsite coordination. Include the following:
1. Date of meeting.
 2. List of attendees.
 3. Name and title of authorized representative for adjacent facility.
 4. Minutes of discussion with identification of special requirements for adjacent facilities.

* * * * *

END OF SECTION

SECTION 014200

REFERENCES

PART 1 – GENERAL

1.01 CODES AND STANDARDS

- A. All material and workmanship shall comply with, but not be limited to the following U.S. standards where applicable, and other standards explicitly referred to in the specifications, including such revisions which are in effect on the date that Bids are received.
1. American Concrete Institute (ACI)
 2. American Institute of Steel Construction Specification and Standards (AISC)
 3. American National Standards Institute (ANSI) A117.1-2003
 4. American Society for Testing and Materials (ASTM)
 5. American Society of Civil Engineers (ASCE)
 6. American Society of Mechanical Engineers (ASME)
 7. American Welding Society Structural Welding Code (AWS)
 8. Code of Federal Regulations (CFR)
 9. Concrete Reinforcing Steel Institute (CRSI)
 10. Occupational Safety and Health Administration Standards (OSHA)
 11. Society for Protective Coatings (SSPC)
- B. The Contractor may propose the use of standards that are equal to or better than the above. In the event such standards are proposed, the Contractor shall submit the latest issue of the proposed standards and codes with any revisions in effect. The Contractor shall state all differences between the proposed standards and the above. All design and equipment shall adhere to the above standards except where the Contractor specifically states the differences and the differences are accepted by the Owner. All proposed changes shall be documented in writing.
- C. All parts, hardware, fittings, and materials shall conform to the standards listed above and all others indicated in the Contract Documents.
- D. Materials furnished by the Contractor needed to complete all installations shall be compatible with both existing and new Owner furnished materials and shall be in accordance with the standards applicable to the Work.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION

APPROVED FOR GRANT

SECTION 015000
TEMPORARY FACILITIES

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Contractor shall provide all temporary facilities required for his forces and work including, but not limited to, temporary sanitary accommodations, water and power. All Temporary Facilities shall be installed in accordance with applicable codes.
1. Sanitary Facilities - The Contractor shall, at the beginning of the Work, provide on the premises suitable temporary sanitary toilet, wash-up facilities, and changing facilities for the use of workers and shall maintain same in a sanitary condition and remove same when directed by the Owner.
 2. Electrical Supply - The Contractor shall pay all fees, and obtain all necessary permits for power and lights as may be required for the prosecution of this Work. The Contractor shall supply their own means of electrical supply. Use of Owner's electrical supply is prohibited. The Contractor shall furnish and install all necessary temporary service drops, wiring, connections, etc. for temporary service required by the Contractor.
 3. Contractor shall maintain temporary facilities throughout the construction period.
 4. Contractor shall remove temporary facilities when they are no longer required or when directed by the Engineer.
 5. Contractor shall repair damage to the project site caused by the installation of the temporary facilities.

1.02 TRAFFIC CONTROL

- A. The Contractor shall conduct operations in a manner to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities (including residential homes), when possible.

1.03 STORAGE

- A. Storage space will be permitted in areas designated by the Owner.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 GENERAL

- A. Install temporary facilities in accordance with applicable codes.
- B. Maintain temporary facilities throughout the construction period.
- C. Remove temporary facilities when they are no longer required or when directed by the Engineer.

- D. Repair damage to the project site caused by the installation of the temporary facilities.

3.02 SECURITY

- A. Contractor's personnel will be required to comply with the Owner's security procedures.
- B. Contractors shall be responsible for the security of their own materials, supplies, equipment, tools, and work in progress or finished.
- C. Unauthorized persons shall not be allowed inside the Owner's facilities.
- D. Before starting work on the site, the Contractor shall provide the Owner a list of the names and complete addresses of personnel that will need access to the site.
- E. The same information must be given for any additional personnel to be hired at a later stage.
- F. Vehicles used by the Contractor or his employees for traveling to and from work must be parked in accordance with the Owner's instructions.
- G. The Owner shall not be liable for damage caused by or to a vehicle which, with or without permission, has been taken to the site or parked in a regular parking area.

* * * * *

END OF SECTION

SECTION 015500
MOBILIZATION/DEMobilIZATION

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Under this work, the Contractor shall set up his necessary general plant, including shops, storage areas, office, and such sanitary and other facilities as are required by local or state law or regulation.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Such materials as are required for mobilization and that are not to be a part of the completed Contract shall be as determined by the Contractor, except that they shall conform to any pertinent local or state law, regulation, or code.

PART 3 – EXECUTION

3.01 CONSTRUCTION DETAILS

- A. The work required to provide the above facilities and services for mobilization shall be done in a safe and workman-like manner and shall conform with any pertinent local or state law, regulation, or code. Good housekeeping consistent with safety shall be maintained.

END OF SECTION

SECTION 015713

TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. This work shall consist of control measures required by the specifications or as ordered by the Owner's Representative during the life of the Contract to control erosion, water pollution, and water runoff through the use of dikes, gravel, mulches, silt fences, check dams, hay bales, sedimentation basins, turbidity curtains and other control devices or methods. All drain trenches, outlets, and catch basins shall be protected and maintained free flowing and free of debris. All roadways shall be maintained free of debris.
- B. In the event of conflict between these specification requirements and pollution control laws, rules or regulations of other Federal, State or local agencies, the more restrictive laws, rules or regulations shall apply.

1.02 SUBMITTALS

- A. Product data including manufacturer's technical data and installation instructions for the following:
 - 1. Turbidity Curtain
 - a. The contractor shall provide a pre-manufactured turbidity curtain (see detail on Drawings) of continuous construction.

1.03 EROSION AND SEDIMENT CONTROL

- A. The Contractor shall comply with all applicable Federal, State and Local regulations and laws. In the event of a discharge to streams, rivers, lakes or canals that causes a visible plume in the receiving water body, the Contractor shall immediately notify the Owner's Representative.
- B. Erosion control features shall be installed by the Contractor as required to comply with the New York State Guidelines for Soil Erosion and Sediment Control.
- C. All erosion and sediment control measures must be constructed prior to beginning any land/structure disturbances. These measures and devices cannot be removed until the disturbed areas are stabilized, and stabilization has been approved by the Owner's Representative. All devices must be properly maintained and kept in operating condition for the duration of construction.
- D. Runoff from any land/structure disturbing activity shall not be directly discharged or have the potential to be discharged off site, onto roadways, or into storm drains or into a watercourse. Accumulated sediment in a properly designed silt fence, check dam or other sediment trap shall be removed when 60% of the storage capacity of the structure is filled with sediment.

- E. All points of construction ingress and egress shall be protected to prevent the deposition of materials onto roadways and paved areas either by installing and maintaining a stabilized construction entrance, or by washing all vehicle wheels in a safe disposal area. All materials deposited onto roadways and paved areas shall be removed immediately.

1.04 DUST AND FUME CONTROL

- A. The control of potentially harmful dusts, fumes, mists, gases, smoke, sprays, or vapor shall be accomplished by accepted engineering control measures, for example, enclosure or confinement of the operation, ventilation, and substitution of less toxic materials.

PART 2 – PRODUCTS

2.01 COMPONENTS FOR TURBIDITY CURTAIN

- A. The turbidity curtain shall be a pre-manufactured turbidity curtain consisting of an impervious membrane, with an integral foam billet flotation system and a continuous integral weight system to anchor the curtain to the waterbody bottom, and prevent movement of the curtain base. The curtain shall be capable of withstanding the wind and current conditions at the site without allowing the release of the contained sediment laden water. The curtain shall be 20% greater than the depth of the water to allow for water level fluctuations.

PART 3 – EXECUTION

3.01 INSTALLATION OF TURBIDITY CURTAIN.

- A. The turbidity curtain of continuous construction shall be installed as shown on the Drawings and in accordance with the manufacturer's instructions to enclose the work area. The turbidity curtain shall be firmly anchored in place. The area of proposed installation shall be inspected for obstacles and impediments that could damage the curtain or impair its effectiveness to retain sediment. All materials shall be removed so they cannot enter the waterbody. Supplemental anchors of the turbidity curtain toe shall be used, as needed, depending on water surface disturbances such as boats and wave action by winds.

3.02 MAINTENANCE

- A. The Contractor shall maintain the temporary and permanent vegetation, erosion and sediment control measures, and other protective measures in good and effective operating condition by performing routine inspections in accordance with the Drawings to determine condition and effectiveness, by restoration of destroyed vegetative cover, and by repair of erosion and sediment control measures and other protective measures. The following procedures shall be followed to maintain the protective measures.
 - 1. Turbidity Curtain Maintenance: The turbidity curtain shall be inspected daily and repaired or replaced immediately. It is not normally necessary to remove sediment deposited behind the curtain; but, when necessary, removal is usually done by hand prior to removal of the barrier. All removed silt shall be stabilized away from the waterbody. The barrier shall be carefully removed to minimize the release of attached sediment. Any floating construction or natural debris shall be immediately removed to

prevent damage to the curtain. If the curtain is oriented in a manner that faces the prevailing winds, frequent checks of the anchorage shall be made.

* * * *

END OF SECTION

APPROVED FOR GRANT

SECTION 015723
SITE POLLUTION CONTROL

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for the following:
 - 1. Phasing and sequencing.
 - 2. Pollution prevention and control.
 - 3. Inspection Requirements.

1.02 DESCRIPTION

- A. The Contractor shall be responsible to install and maintain the applicable temporary stormwater and diversion control items as shown on the drawings or required by the Contract Documents before starting any grading or excavation to protect the site from sediment discharges. The Contractor shall provide any temporary sediment and erosion control measures that may be required within limits of the work, including any staging areas, throughout construction in conformance with the plan and specifications, and as directed by the Owner's Representative to adequately protect the site and adjacent waterbodies. All permanent control practices required shall be placed before the removal of the temporary stormwater diversion and control items.
- B. During construction conduct operations in such a manner as to prevent or reduce to a minimum any damage to any water body from pollution by debris, sediment, chemical or other foreign material, or from the manipulation of equipment and/or materials in or near a stream or ditch flowing directly to a stream. Any water which has been used for wash purposes or other similar operations which become polluted with sewage, silt, cement, concentrated chlorine, oil, fuels, lubricants, bitumens, or other impurities shall not be discharged into any water body.
- C. In the event of conflict between these specifications and the regulation of other Federal, State, or local jurisdictions, the more restrictive regulations shall apply.
- D. The Contractor shall comply with all applicable New York State regulatory requirements.

1.03 SUBMITTALS

- A. Phasing and Sequencing Plan: Submit plan a minimum of 7 (seven) days prior to the Pre-Construction Site Assessment Conference.
- B. Pollution Prevention and Control Plan: Submit plan a minimum of 7 (seven) days prior to the Pre-Construction Site Assessment Conference.

1.04 QUALITY ASSURANCE

- A. Pre-Construction Site Assessment Conference: Conduct conference at the Project site prior to beginning construction to review project specific pollution prevention procedures and site requirements.
- B. Final Stabilization: Conduct a meeting at the Project site to review the stabilization of all areas disturbed as a result of construction activities. Routine construction duration inspections shall continue until final stabilization has occurred.

1.05 PHASING AND SEQUENCING PLAN

- A. General: A construction phasing plan and sequence of operations describing the intended order of construction.
- B. Erosion and Sediment Control Practices: Provide a description of the minimum erosion and sediment control practices to be installed or implemented for each construction activity that will result in soil disturbance. Include a schedule that identifies the timing of initial placement or implementation of each erosion and sediment control practice and the minimum time frames that each practice should remain in place or be implemented.
- C. Site Plan: Provide a site plan showing the specific location(s), size(s), and length(s) of each erosion and sediment control practice to be installed as required to provide erosion and sediment control.
- D. Completion: Erosion and sediment control practices shall be maintained until final stabilization has occurred and has been approved by the Engineer.

1.06 POLLUTION PREVENTION AND CONTROL PLAN

- A. Develop a pollution prevention and control plan. The Plan shall consist of a description of the pollution prevention measures that will be used to control litter, construction chemicals and construction debris from becoming a pollutant source in the stormwater discharges.
- B. Chemical Identification: Indicate anticipated types and quantities of construction chemicals used or stored on site for the Work. Construction chemicals include but are not limited to hazardous materials, fuels, lubricants, oils, etc. Include estimated quantities and assumptions for estimates. Identify construction chemicals used onsite as follows:
 - 1. List each type of construction chemical, fuel, lubricant or other oil to be used onsite along with estimated quantities and locations.
 - 2. Indicate type, quantity and location of materials used to cleanup spills for each construction chemical identified.
- C. Should a fuel, lubricant, or chemical spill occur, the Contractor's trained and certified cleanup specialist and the Owner shall be notified immediately to ensure proper reporting and clean up. The Contractor shall proceed as appropriate in accordance with notification requirements and as required to contain and clean up the spill.

1.07 PROTECTION OF WATER RESOURCES

- A. All water resources (i.e. ground and surface waters), including all drains, shall be protected from leaching and/or run-off of chemical pollutants, solid wastes and construction site debris.
- B. Prior to construction, the Contractor shall submit for review and approval by the Owner's Representative, schedules and methods for accomplishment of site-specific pollution and erosion control plan for the duration of the project.
 - 1. The site-specific pollution and erosion control plan shall be submitted to the Owner's Representative at least seven (7) days prior to commencement of the work.
 - 2. No work shall begin until the erosion and pollution control schedules and plans have been approved by the Owner's Representative.
 - 3. If conditions change during construction, the Contractor shall revise the plan and resubmit to the Owner's Representative for review and approval.
- C. A chemical and oil spill prevention and cleanup plan shall be provided and implemented during the course of the Work. The Contractor shall maintain, on site, sufficient quantities of absorbent materials for use in case of chemical or oil spills. In the event of any actual or suspected spill of any chemical, petroleum product, or waste water, the Contractor shall immediately notify the Owner's Representative and immediately take all measures necessary to control the spread of the spilled material, and to clean it up.
- D. Storage and/or use of chemicals, fuels, oils, greases, bituminous materials, solids, waste washings, and cement shall be handled appropriately as to prevent leaching or surface run-off into public waters or drains. All Owner approved storage areas for these materials must be diked.
- E. Disposal of any waste materials on the construction site is prohibited.
- F. Water resulting from or contaminated by construction operations shall not be directly discharged into any bodies of water or drainage systems.
- G. There shall be no discharge of suspended and/or settle-able solids in amounts that cause visible contrast to natural conditions.

1.08 DEWATERING

- A. Construction activities shall be performed in such a manner that the site shall be effectively drained and/or dewatered. Drainage shall be by gravity wherever possible. Additional means shall be utilized when necessary and shall include pumping and bailing.
- B. Water resulting from or contaminated by construction operations shall not be directly discharged to any water bodies or drain systems.
- C. Water discharged from pumps and associated equipment shall be handled to prevent ponding, sediment runoff, and creating hazardous conditions on paved surfaces. All discharges from pumps shall be to an approved sediment filter bag or approved sediment basin used for dewatering. Direct discharge of pumped water to a water body is prohibited.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 PLAN IMPLEMENTATION

- A. General: Implement approved Phasing and Sequencing Plan and Pollution Prevention Plan. Provide materials, signage, equipment, and other items as required to implement plans during the entire duration of the Contract.
- B. Training: Train workers, subcontractors, and suppliers on proper stormwater protection and pollution prevention procedures, as appropriate for the Work occurring at Project site.
- C. Site Access and Temporary Controls: Conduct construction operations to ensure minimum interference with onsite and adjacent waterbodies, roads, streets, walks, walkways, and other adjacent occupied and used facilities.
- D. Designate and identify specific areas on Project site necessary for stabilized construction entrances. Sweep and clean streets daily where stabilized construction entrances are in use.

3.02 INSPECTION AND ENTRY

- A. Inspections: The following inspections shall take place until final stabilization has occurred.
 - 1. Contractor shall conduct daily inspections during all soil disturbing activities and develop inspection reports indicating areas of disturbance and any erosion/pollution concerns.
- B. Retention of Records: The Contractor shall maintain a copy of all inspection reports at the construction site until all disturbed areas have achieved final stabilization.

3.03 WORK AREAS

- A. Coordinate the use of permanent controls or finish materials shown with the temporary erosion measures.
- B. All erosion and sediment control devices must be maintained in working order until the site is stabilized. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, re-seeding, or re-mulching, must be performed immediately.
- C. After final stabilization has been achieved temporary sediment and erosion controls must be removed. Areas disturbed during removal must be stabilized immediately.

* * * * *

END OF SECTION

SECTION 017300

EXECUTION

PART 1 – GENERAL

1.01 DESCRIPTION

- A. The Contractor shall provide all the following services in accordance with the following general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:
1. Construction layout.
 2. Field engineering and surveying.
 3. Installation of the Work.
 4. Progress cleaning.
 5. Protection of installed construction.

1.02 QUALITY ASSURANCE

- A. Cutting and Patching: Comply with requirements for and limitations on cutting and patching of construction elements.
1. Structural Elements: When cutting and patching of structural elements is required, notify Owner's Representative (who will notify Engineer) of locations and details of cutting before proceeding. The Contractor is responsible for providing signed and sealed cutting and patching details. Shore, brace, and support structural element during cutting and patching. Do not cut and patch structural elements in a manner that could reduce their load-carrying capacity or increase deflection.
 2. Operational Elements: Do not cut and patch operating elements and related components in a manner that results in reducing their capacity to perform as intended or that results in increased maintenance or decreased operational life or safety.
 3. Visual Elements: Cut, patch, and restore construction to Owner's satisfaction. Restoration shall include applying sealers, paint, and/or other coatings necessary to match adjacent surfaces. If construction does not meet Owner's satisfaction it shall be removed and replaced at Contractor's expense.
 4. Shoring and Bracing; Contractor is responsible for the shoring and bracing of all permanent and temporary facilities that are affected by the work including the shoring and bracing of the steel frames, platform members during erection, and concrete formwork.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning site work, investigate and document the existence and location of underground and building utilities, electrical systems, and other construction affecting the Work.
 - 1. Before construction, document the condition of existing structures and utilities.
- B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present, where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

3.02 PREPARATION

- A. Field Measurements: Take field measurements as required for the proper fit and/or fit-up of the Work. Recheck measurements before fabrication of components and prior to installing. Where portions of the Work are indicated to fit to other construction, confirm dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- B. Space Requirements: Confirm space requirements and dimensions of items shown diagrammatically on contract drawings.
- C. Review of contract documents and Field Conditions: Within 24 hours upon discovery of the need for clarification of the contract documents caused by differing field conditions outside the control of Contractor, submit a request for information to Owner's Representative.

3.03 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, confirm layout information shown on contract drawings. If discrepancies are discovered, notify the Owner's Representative immediately.
- B. General: Lay out the Work using industry accepted surveying practices.
 - 1. Establish benchmarks and control points to set lines and levels of construction and elsewhere as required/needed to locate each element of Project.
 - 2. Establish on-site limits on use of Project site.
 - 3. Establish dimensions within tolerances indicated.
 - 4. Do not rely upon scale contract drawings to obtain required dimensions.
 - 5. Inform installers of lines and levels to which they must comply.
 - 6. Check the location, level and plumb, of every major element as the Work progresses.
 - 7. Notify Owner's Representative when deviations from required lines and levels exceed allowable tolerances.
 - 8. Close site surveys with an error of closure acceptable to the Owner's Representative.

9. Use datum consistent with the Construction Drawings:

- a. Project datum as noted on Drawing Sheet G-1 of construction drawings.
- C. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rim and invert elevations.
- D. Record Log: Maintain a log of layout control work. Record deviations from required lines and levels. Include beginning and ending dates and times of surveys, weather conditions, name and duty of each survey party member, and types of instruments and tapes used. Make the log available for reference by Owner's Representative.

3.04 FIELD ENGINEERING

- A. Reference Points: Install two permanent benchmarks, control points, and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.
- B. Benchmarks: Establish and maintain a minimum of two permanent benchmarks on Project site, referenced to the project datum. Include a transformation to North American Vertical Datum of 1988 (NAV88).
 - 1. Record benchmark locations, with horizontal and vertical data, on Project Record Documents.

3.05 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
 - 1. Make vertical work plumb and make horizontal work level.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will achieve specified results. Maintain conditions required for product performance until Substantial Completion.
- D. Construction operations shall be conducted to avoid damaging operations or developing loads in excess of those that the temporary construction condition can support or those that are expected during normal conditions of occupancy.
- E. Sequence the Work and allow specified clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels, as defined in permit(s) and/or Owner's General Safety Standards, or the Local noise ordinances.
- G. Attachment: Provide blocking and attachment plates and anchors and fasteners of specified size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, develop and submit for review size and type required for load conditions.

1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Owner's Representative.
 2. Allow for structure movement, including thermal expansion and contraction.
 3. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, which are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
- H. Joints: Make joints as specified on contract drawings. Fit exposed connections together to form hairline joints.
- I. Hazardous Materials: Use products, cleaners, and installation materials that are documented as non-hazardous.

3.06 CUTTING AND RESTORATION

- A. Cutting and Restoration, General: Employ experienced workers to perform cutting and restoration.
- B. Temporary Support: Provide temporary support of work to be cut to avoid reduction of capacity and increase in deflections.

3.07 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
- D. Waste Disposal: Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways.

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END OF SECTION

SECTION 017700

CLOSEOUT PROCEDURES

GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
 - 1. Substantial Completion procedures.
 - 2. Final completion procedures.
 - 3. Final cleaning.
 - 4. Repair of the Work.

1.02 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Final Payment

1.03 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating the value of each item on the list and reasons why the Work is incomplete.
- B. Submittals Prior to Substantial Completion: Complete the following a minimum of 7 days prior to requesting inspection for determining date of Substantial Completion.
 - 1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
 - 2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, final completion construction surveys, and similar final record information.
 - 3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
 - 4. Submit maintenance material submittals including tools, spare parts, extra materials, and similar items. Deliver all spare parts and extra materials to the location designated by Owner. Label all spare parts and extra materials with manufacturer's name and model number where applicable.
 - 5. Assemble and submit a comprehensive binder with the results of all onsite soil and concrete testing, the testing results and commission report for the rubber dam and all associated components.

- C. Procedures Prior to Substantial Completion: Complete the following a minimum of 7 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
1. Advise Owner of pending insurance changeover requirements.
 2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
 3. Complete startup and testing of systems and equipment including commissioning of the gates.
 4. Perform preventive maintenance on equipment used prior to Substantial Completion.
 5. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems furnished.
 6. Terminate and remove temporary facilities from Project site, along with construction tools and equipment, temporary fencing, and similar elements.
 7. Complete final cleaning requirements, including touchup painting.
 8. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 7 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Owner's Representative and Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Engineer will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Engineer, which must be completed or corrected before certificate will be issued.
1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
 2. Results of completed inspection will form the basis of requirements for final completion.

1.04 FINAL COMPLETION PROCEDURES

- A. Preliminary Procedures: Before requesting final inspection for determining final completion, complete the following:
1. Submit a final Application for Payment.
 2. Certified List of Incomplete Items: Submit certified copy of Engineer's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Engineer. Copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
 3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.

4. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. Inspection: Submit a written request for final inspection to determine acceptance. On receipt of request, Engineer will either proceed with inspection or notify Contractor of unfulfilled requirements. Owner's Representative will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
 1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.05 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction. Use CSI Form 14.1A or approved.

1.06 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties where commencement of warranties other than date of Substantial Completion is indicated, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.
 1. Warranty Electronic File: Scan warranties and bonds and assemble complete warranty and bond submittal package into a single indexed electronic PDF file with links enabling navigation to each item. Provide bookmarked table of contents at beginning of document.
 2. Two paper copies. Include a complete set of warranty documents.
- C. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 – EXECUTION

3.01 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

3.02 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to the satisfaction of the Owner.
 - 1. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
 - 2. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.

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END OF SECTION

SECTION 017839
PROJECT RECORD DOCUMENTS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Section includes administrative and procedural requirements for project record documents, including the following:
1. Record Drawings.
 2. Record Specifications.
 3. Record Product Data.

1.02 CLOSEOUT SUBMITTALS

- A. Record Drawings: Comply with the following:
1. Number of Copies: Submit one set(s) of marked-up record prints.
 - a. Final Submittal:
 - i. Submit PDF electronic files of scanned record prints and two set(s) of prints.
 - ii. Print each drawing, whether or not changes and additional information were recorded.
- B. Record Specifications: Submit annotated PDF electronic files of Project's Specifications, including addenda and contract modifications.
- C. Record Product Data: Submit annotated PDF electronic files and directories of each submittal.

PART 2 – PRODUCTS

2.01 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the contract drawings and shop drawings, incorporating new and revised drawings as modifications are issued.
1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
 - a. Give attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Record data within 24 hours after obtaining it.
 - c. Record and check the markup before enclosing concealed installations.

2. Mark the contract drawings and shop drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
 3. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
 4. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
- B. Record Digital Data Files: Within one week before inspection for Certificate of Substantial Completion, review marked-up record prints with Owner's Representative. When authorized, prepare a full set of corrected digital data files of the contract drawings, as follows:
1. Format: Annotated PDF electronic file with comment function enabled.
 2. Incorporate changes and additional information previously marked on record prints. Delete, redraw, and add details and notations where applicable.
- C. Format: Identify and date each record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
1. Record Prints: Organize record prints and newly prepared record drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
 2. Format: Annotated PDF electronic file with comment function enabled.
 3. Record Digital Data Files: Organize digital data information into separate electronic files that correspond to each sheet of the contract drawings. Name each file with the sheet identification. Include identification in each digital data file.
 4. Identification: As follows:
 - a. Project name.
 - b. Date.
 - c. Designation "PROJECT RECORD DRAWINGS."
 - d. Name of Engineer.
 - e. Name of Contractor.

2.02 RECORD SPECIFICATIONS

- A. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
1. Give attention to information on concealed products and installations that cannot be readily identified and recorded later.

2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
3. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
4. Note related change orders, record product data, and record drawings where applicable.

B. Format: Submit record specifications as annotated PDF electronic file.

2.03 RECORD PRODUCT DATA

A. Preparation: Mark product data to indicate the actual product installation where installation varies substantially from that indicated in product data submittal.

1. Give attention to information on concealed products and installations that cannot be readily identified and recorded later.
2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
3. Note related change orders, record specifications, and record drawings where applicable.

B. Format: Submit recorded product data as annotated PDF electronic file.

2.04 MISCELLANEOUS RECORD SUBMITTALS

A. Assemble miscellaneous records required by other specification sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

B. Format: Submit miscellaneous record submittals as PDF electronic file.

PART 3 – EXECUTION

3.01 RECORDING AND MAINTENANCE

A. Recording: Maintain one copy of each submittal during the construction period for project record document purposes. Post changes and revisions to project record documents as they occur; do not wait until end of Project.

B. Maintenance of Record Documents and Samples: Store record documents and samples in the field office apart from the contract documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for Owner's Representative's reference during normal working hours.

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END OF SECTION

SECTION 020750
CONCRETE REMOVAL

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Demolishing, fracturing, loosening, removing, and disposing of existing concrete and reinforcement at the locations shown on the drawings and as directed by the Engineer.

1.02 DEFINITIONS

- A. Concrete shall be defined as mortared rubble, brick, or stone masonry and as portland cement concrete and shotcrete.

1.03 SUBMITTALS

- A. Permit for disposal of debris.
- B. Removal procedures and operational sequence for review and approval by the Engineer.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 REMOVAL METHODS

- A. Contractor may use any method except explosives or chemical agents provided his operations do not damage any portion of the structure that is to remain in place.
 - 1. All damage to the existing concrete, which is to remain in place, shall be repaired by the Contractor at his own expense.
- B. Removal shall be to the lines and elevations indicated on the drawings or as directed by the Engineer.
- C. Reinforcing or other steel, that is intended to remain in-place may be encountered in portions of concrete to be removed. Remove concrete so as to maintain the integrity of in-place reinforcing steel.
- D. All reinforcing steel and embedded metalwork which is exposed by removal of concrete shall be preserved unless otherwise shown on the drawings or directed by the Engineer. Reinforcement and metalwork to remain shall be cleaned by sandblasting prior to repairs.
- E. Saw cut perimeter around deteriorated concrete areas to be repaired to a minimum depth of 1 inch normal to the exposed surfaces. The equipment used for saw cutting shall be capable of producing a sharp edge and shall be subject to approval by the Engineer.

3.02 DISPOSAL

- A. All material removed shall be disposed of off the site.
- B. The Contractor shall make his own arrangements for a disposal site and shall pay all costs involved.

END OF SECTION

APPROVED FOR GRANT

SECTION 024113
SELECTIVE SITE DEMOLITION

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Work shall include demolishing, removing, and disposing of those elements, or portions of elements specified on the Contract Drawings to be demolished or removed and/or as maybe required to complete the Work of this Contract.
- B. Work shall also include removing, storing, protecting and reinstalling those elements specified on the Contract Drawings or as may be necessary to accommodate the work of this Contract:

1.02 SUBMITTALS

- A. Removal procedures and operational sequences for review and approval by Owner's Representative.
- B. The methods and operations utilized to safely remove those items designated for removal. Include special measures and special precautions that will be used to perform the demolition work. Specify proposed procedures for the safe demolition, handling, and disposal of any hazardous materials encountered.
- C. Provided signed and sealed calculations for all temporary shoring, scaffolding and bracing.

1.03 JOB CONDITIONS

- A. Condition of Structure: The Owner assumes no responsibility for actual condition of structures to be demolished.
- B. Noise: Noise levels resulting from demolition activities shall comply with all local, state, and federal regulations as well as the Project permit(s) and/or Owner's General Safety Standards.
- C. Explosives: Do not use explosives for demolition of structures.
- D. Provide interior and exterior shoring, bracing, and support as required to prevent movement, settlement, or collapse of all structures or portions of structures affected by the demolition operations.
- E. Damages: Repair damages caused to adjacent facilities by demolition operations at no cost to Owner.
- F. Utility Services: Caution shall be exercised not to damage adjacent piping, wiring, dam monitoring instrumentation or communication equipment, and other utilities during the dismantling and demolition operations. Temporary supports shall be provided at locations where permanent supports are removed or impaired by the work. Protective barriers shall be provided as required such that damage to utilities, scheduled to remain, during demolition operations

- G. Removals shall be performed in a manner that prevents debris of materials from falling into the river or entering any waterway.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.01 REMOVAL METHODS

- A. Unless otherwise specified, Contractor may use any legal and safe method for demolition except blasting, provided the operations do not damage any portion of the work or site that is to remain in place. All damage to existing structures to remain in place shall be reported to the Owner and repaired by the Contractor at his own expense.
- B. Removals shall be to the lines and elevations indicated on the contract drawings and as required to complete the work specified herein or as directed by the Owner's Representative.

3.02 DUST CONTROL

- A. Demolition debris that contains dust or other material that could become airborne or create a nuisance shall either be removed from the work site daily, or shall be covered and secured with tarps or sheeting until removed from the site.
- B. Apply a water mist, or other means approved by the Owner, on debris to control or mitigate airborne dust or airborne nuisances, unless the material becomes friable (i.e., crumble easily) or will dissolve in water. Friable material and material that may dissolve in water shall be securely covered with tarps or sheeting.
- C. Demolition debris that becomes friable when wet or dissolves in water shall be stored only on impervious surfaces, field-installed ground sheeting, or other barriers.

3.03 DISPOSAL

- A. Unless otherwise specified or directed by the Owner's Representative, all materials removed shall be legally disposed of off the site in accordance with local, state and federal laws and regulations.
- B. The Contractor shall make his own arrangements for a disposal site and shall pay all costs involved.
- C. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- D. Do not burn demolished materials.

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END OF SECTION

SECTION 033000
CAST-IN-PLACE CONCRETE

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes.

1.02 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated, or admixture proposed.
- B. Design Mixtures: For each concrete mixture, and/or each proposed manufacture's premixed (bagged) products.
- C. Steel Reinforcement Shop Drawings: Placing drawings that detail fabrication, bending, and placement. Drawings shall identify the locations of all embedded piping, conduits, and embedded components.
- D. Formwork Shop Drawings: Prepared by or under the supervision of a qualified professional engineer detailing fabrication, assembly, and support of formwork.

1.03 INFORMATIONAL SUBMITTALS

- A. Material certificates.
- B. Material test reports.
- C. Supplier location

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.
 - 1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."
- B. Testing Agency Qualifications: An independent agency, acceptable to authorities having jurisdiction, qualified according to ASTM C 1077 and ASTM E 329 for testing indicated.
- C. Welding Qualifications: Qualify procedures and personnel according to AWS D1.4/D 1.4M, "Structural Welding Code - Reinforcing Steel."
- D. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:
 - 1. ACI 301, "Specifications for Structural Concrete," Sections 1 through 5.
 - 2. ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

- E. Concrete Testing Service: Engage a qualified independent testing agency to perform material evaluation tests, onsite sampling and testing, and to design the concrete mixtures.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. All materials used for concrete must be kept clean and free from all foreign matter during transportation and handling and kept separate until measured and placed in the mixer. Bins or platforms having hard clean surfaces shall be provided for storage. Suitable means shall be taken during hauling, piling, and handling to insure that segregation of the coarse and fine aggregate particles does not occur and the grading is not affected.
- B. Deliver concrete reinforcement materials to the site bundled, tagged, and marked. Use metal tags indicating bar size, lengths, and other information corresponding to markings shown on placement diagrams. Reinforcing materials shall not be placed or stored on pallets above the ground surface.

PART 2 – PRODUCTS

2.01 FORM-FACING MATERIALS

- A. Smooth-Formed Finished Concrete: Provide form-facing panels that will provide continuous, true, and smooth concrete surfaces. Furnish in largest practicable sizes to minimize number of joints.
- B. Rough-Formed Finished Concrete: Plywood, lumber, metal, or another approved material. Provide lumber dressed on at least two edges and one side for tight fit.

2.02 STEEL REINFORCEMENT

- A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60, deformed and Grade 75 threaded bar.
- B. Deformed-Steel Welded Wire Reinforcement: ASTM A 497/A 497M, flat sheet.
- C. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice."

2.03 CONCRETE MATERIALS

- A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source, throughout Project:
 - 1. Portland Cement: ASTM C 150, Type II or Portland Cement: ASTM C 595, Type 1L
 - a. Fly Ash: ASTM C 618, Class F.
- B. Normal-Weight Aggregates: ASTM C 33, graded.
 - 1. Coarse Aggregate: Clean, uncoated processed aggregate with the following characteristics:
 - a. Crushed stone, processed from natural rock or stone.

- b. Washed gravel, either natural or crushed.
- c. Contains no clay, mud, loam, or foreign matter.
- d. Maximum Coarse-Aggregate Size: 3/4-inch nominal.
- 2. Fine Aggregate: Clean, sharp, natural sand free from loam, lumps, or other materials with deleterious reactivity to alkali in cement.
- C. Water: ASTM C 94/C 94M and potable.
- D. Superplasticizers are NOT to be used.

2.04 ADMIXTURES

- A. Air-Entraining Admixture: ASTM C 260.
- B. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
 - 1. Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type D.
 - 2. Retarding Admixture: ASTM C 494/C 494M, Type B.

2.05 CURING MATERIALS

- A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
- B. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
- C. Water: Potable.

2.06 RELATED MATERIALS

- A. Expansion- and Isolation-Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber.
- B. Joint Sealant – Sika Flex 2C-NS or approved for sealing of control joints.

2.07 CONCRETE MIXTURES

- A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.
- B. Admixtures: Use admixtures according to manufacturer's written instructions.
 - 1. Use high range water-reducing admixture in concrete, as required, for placement and workability.
 - 2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.

3. Use water-reducing admixture in pumped concrete, concrete required to be watertight, and concrete with a water-cementitious materials ratio below 0.45.

C. Proportion normal-weight concrete mixture as follows:

1. Minimum Compressive Strength: 4500 psi at 28 days.
2. Maximum Water-Cementitious Materials Ratio: 0.45.
3. Slump Limit: 5 inches for concrete with verified slump of 2 to 4 inches before adding high-range water-reducing admixture or plasticizing admixture, plus or minus 1 inch.
4. Air Content: 6 percent, plus or minus 1.5 percent at point of delivery for 3/4-inch nominal maximum aggregate size.

2.08 FABRICATING REINFORCEMENT

- A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice."

2.09 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M and furnish batch ticket information.
1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

2.10 WATERSTOPS

- A. Sika Greenstreak PVC Waterstop 667 or approved equal.

PART 3 – EXECUTION

3.01 FORMWORK

- A. Design, erect, shore, brace, and maintain formwork, according to ACI 301, to support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until structure can support such loads.
- B. Construct formwork so concrete members and structures are of size, shape, alignment, elevation, and position indicated, within tolerance limits of ACI 117.
- C. Chamfer exterior corners and edges of permanently exposed concrete.

3.02 EMBEDDED ITEMS

- A. Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.

3.03 STEEL REINFORCEMENT

- A. General: Comply with CRSI's "Manual of Standard Practice" for placing reinforcement.

3.04 JOINTS

- A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.
- B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated on the drawings or as approved by Engineer. Seal all water stopped joints with specified Joint Sealant.
 - 1. The maximum spacing of vertical construction joints shall be 20 feet.
- C. Waterstops: Install in all joints as specified and shown on the Construction Drawings in accordance with manufacturer's written instructions.

3.05 CONCRETE PLACEMENT

- A. Before placing concrete, verify that installation of formwork, reinforcement, and embedded items is complete and that required inspections have been performed.
- B. Remove standing water from all formwork. The concrete mixture and procedures included in this specification are not intended for underwater placement.
 - 1. Water in bulkhead for exterior corner repair shall be pumped out prior to concrete placement.
- C. Surfaces of existing concrete to receive new concrete shall be intentionally roughened by wire brush or other suitable tools.
- D. Blast clean surfaces of existing concrete and rock that are to be in contact with new concrete. Power wash to remove all dirt, grease, debris, and unsound concrete or weathered loose rock.
- E. Utilize a minimum hose diameter of 5" when pumping concrete. The pumping operation shall be performed in such a manner as to deposit the concrete horizontally a minimum distance of three feet. When horizontal discharge is not possible the use of a double 90-degree bends at the end of the pump hose or other equipment capable of maintaining a head of concrete in the pump line shall be used.
- F. Thoroughly wet surfaces of existing concrete or porous surfaces that will be in contact with the new concrete by the use of soaker hoses, or the use of burlene, etc., to maintain moisture. Free standing water and puddles shall be removed immediately prior to the pour.
- G. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete will be placed on concrete that has hardened enough to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.
 - 1. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
- H. Cold-Weather Placement: Comply with ACI 306.1.
- I. Hot-Weather Placement: Comply with ACI 301.

3.06 FINISHING FORMED SURFACES

- A. Smooth-Formed Finish: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch tie holes, honeycombed areas, and defects. Remove fins and other projections that exceed specified limits on formed-surface irregularities.
- B. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.

3.07 CONCRETE PROTECTING AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 301 for hot-weather protection during curing.
- B. Evaporation Retarder: Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.
- C. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
 - 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days.
 - 2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
 - 3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.
 - 4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.08 CONCRETE SURFACE REPAIRS

- A. Defective Concrete: Repair and patch defective areas when approved by Engineer. Remove and replace concrete that cannot be repaired and patched to Engineer's approval.

3.09 FIELD QUALITY CONTROL

- A. Testing and Inspecting: Contractor shall engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.

B. Inspections:

1. Steel reinforcement placement.
2. Headed bolts and studs.
3. Verification of use of required design mixture and placement temperature.
4. Concrete placement, including conveying and depositing.

C. Concrete Tests: Testing of composite samples of fresh concrete obtained according to ASTM C 172 shall be performed according to the following requirements:

1. Testing Frequency: Obtain set of four (4) cylinders for each day's pour of each concrete mixture exceeding 2 cu. yd., but less than 25 cu. yd. (19 cu. m), plus one set for each additional 50 cu. yd. or fraction thereof.
2. Slump: ASTM C 143/C 143M; one test at point of placement for each set of cylinders. Perform additional tests when concrete consistency appears to change.
3. Air Content: ASTM C 231, pressure method, for normal-weight concrete; one test for each set of cylinders, but not less than one test for each day's pour of each concrete mixture.
4. Concrete Temperature: ASTM C 1064/C 1064M; one test hourly when air temperature is 40 deg F (4.4 deg C) and below and when 80 deg F (27 deg C) and above, and one test for each composite sample. Note concrete and air temperatures at time of placement. Measure temperature in mass concrete at the core and surface along a vertical direction and at the corners.
5. Compressive-Strength Tests: ASTM C 39/C 39M; test one specimen at 7 days and two specimens at 28 days. Store the fourth specimen for a minimum of one year unless otherwise directed by the Owner's Representative.
6. Test results shall be reported in writing to Owner's Representative, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests shall contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.

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END OF SECTION

SECTION 036000

ANCHOR BARS

PART 1 – GENERAL

1.01 SUMMARY

- A. Drilling, grouting and installation of dowels, anchors, and anchor bars.

1.02 SUBMITTALS

- A. Submit for approval, the method of installing and details of equipment necessary to drill and grout the dowels.
- B. Submit premanufacture grout mix catalog cuts, technical specifications, and installation procedures.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Foundation Anchors, Dowels, and Anchor Bars: Size, length, and material and mechanical properties as shown on the drawings, as directed, or as otherwise approved.
- B. Grout for Foundation Anchors, Dowels, and Anchor Bars: Material specified on the drawings and/or as approved by the Engineer.

PART 3 – EXECUTION

3.01 PREPARATION

- A. Locate foundation anchors, dowels, and anchor bars as shown on the Drawings or as directed in the field by the Owner's Representative.
- B. Advance holes for anchor bars with drill which produces a satisfactory hole with a diameter not less than 1.5 times the bar diameter, unless otherwise noted on the Drawings, or required by the anchor manufacturer.
- C. Prior to installation of anchor bars, clean holes with air and water, and perform falling head test for each hole in the presence of the Owner's Representative. Acceptance of drill holes for installation of anchors will be determined in the field by the Owner's Representative. Drill holes with excessive water loss will be consolidation grouted and redrilled at the direction of the Owner's Representative.

3.02 INSTALLATION

- A. Grouted anchors:
 - 1. Clean anchor bars of material detrimental to bond with the grout.
 - 2. Dewater drill hole before installing the grout and anchor/dowel.

3. Insert grout at the gravitational low point of the hole and evacuate air at the gravitational high point. Where necessary, special vent pipes or vent holes shall be employed to evacuate trapped air.
4. Grouting Pressure and Placement: No more than sufficient to fill the drill hole adequately with grout. Grouting shall be placed to ensure that all air voids are evacuated and filled with grout.

B. Grouting sequence:

1. Unless otherwise approved by the Owner's Representative, grouting shall progress from deeper (lower elevation) holes to shallower (higher elevation) holes and/or in one direction horizontally across the rows of anchors.
2. Observe grout communication to adjacent drill holes during the course of the work. Immediately report any grout communication between drill holes to Owner's Representative. Owner's Representative may request grouting sequence revision based on field observations.

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END OF SECTION

SECTION 051200
STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Section Includes:
1. Structural Steel.
 2. Bolts, Connectors, and Anchors.
 3. Grout.

1.02 DEFINITIONS

- A. Structural Steel: Elements of the structural frame or assembly indicated on contract drawings and as described in AISC 303, "Code of Standard Practice for Steel Buildings and Bridges."

1.03 ACTION SUBMITTALS

- A. Product Data: For each material and type of product.
- B. Shop Drawings: Show fabrication details for structural-steel components.

1.04 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and fabricator
- B. Welding certificates for all welders.
- C. Mill test reports for structural steel, including chemical and physical properties.
- D. Source quality-control reports.
- E. Field quality-control.

1.05 QUALITY ASSURANCE

- A. Fabricator Qualifications: A qualified fabricator that participates in the AISC Quality Certification Program and is designated an AISC-Certified Plant, Category STD.
- B. Installer Qualifications: A qualified installer who participates in the AISC Quality Certification Program and is designated an AISC-Certified Erector, Category CSE.
- C. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel."
- D. Comply with applicable provisions of the following specifications and documents:
1. AISC 303.
 2. AISC 360.

3. RCSC's "Specification for Structural Joints Using ASTM F 3125, Grade A325 or A490 Bolts."

PART 2 – PRODUCTS

2.01 STRUCTURAL STEEL MATERIALS

- A. Channels: ASTM A 992/A 992M, Gr 50
- B. Angles: ASTM A 572/A 572M, Gr 50
- C. Plate and Bar: ASTM A 50/A 50M or ASTM A572 Gr 50, as specified
- D. Cold-Formed Hollow Structural Sections: ASTM A 500/A 500M, Grade B, structural tubing.
- E. Steel Pipe: ASTM A 53/A 53M, Grade B.
- F. Welding Electrodes: Comply with AWS requirements and as indicated.

2.02 BOLTS, CONNECTORS, AND ANCHORS

- A. Zinc-Coated High-Strength Bolts, Nuts, and Washers: ASTM F 3125, Grade A325, Type 1, heavy-hex steel structural bolts; ASTM A 563, Grade DH heavy-hex carbon-steel nuts; and ASTM F 436, Type 1, hardened carbon-steel washers.
 1. Finish: Hot-dip zinc coating
 2. Direct-Tension Indicators: ASTM F 959, Type 325, compressible-washer type with mechanically deposited zinc coating, baked epoxy-coated finish.
- B. Anchors:
 1. Material, type and manufacturer as specified on the plans or as otherwise approved.
 2. Unless otherwise specified, Galvanized ASTM F 1554 Grade 105 anchors with A563 Grade DH Heavy Hex nut and F436 washer.
 - a. Finish: Hot-dip zinc coating, ASTM A 153/A 153M, Class C

2.03 GALVANIZING

- A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A 123/A 123M.
 1. Provide vent or fill holes in closed fabricated sections that will be galvanized.
 2. Fill vent and drain holes that are exposed in the finished Work unless they function as weep holes, by plugging with zinc solder and filing off smooth.
 3. Unless otherwise specified all steel shall be galvanized. Wrap steel and hold back galvanization 3" from those areas that will be field welded.

2.04 GROUT

- A. See Cast-in-Place Concrete Section and/or Anchor Bar Section for grout requirements.

2.05 FABRICATION

- A. Structural Steel: Fabricate and assemble in shop to achieve specified results. Fabricate according to AISC 303, "Code of Standard Practice for Steel Buildings and Bridges," and to AISC 360.
- B. Shear Connectors: Prepare steel surfaces as recommended by manufacturer of shear connectors.
 - 1. Use automatic end welding of headed-stud shear connectors according to AWS D1.1/D1.1M and manufacturer's written instructions.
- C. Field verify all dimensions and elevations prior to fabrication.

2.06 SHOP CONNECTIONS

- A. High-Strength Bolts: Shop install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM F3125, Grade A325 or A490 Bolts" for type of bolt and type of joint specified.
 - 1. Joint Type: Pretensioned
- B. Weld Connections: Comply with AWS D1.1/D1.1M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.

2.07 SOURCE QUALITY CONTROL

- A. Testing Agency: Contractor shall engage a qualified testing agency to perform shop and field tests and inspections.
 - 1. Provide testing agency with access to places where structural-steel work is being fabricated or produced to perform tests and inspections.
- B. Bolted Connections: Inspect shop-bolted connections according to RCSC's "Specification for Structural Joints Using ASTM F3125, Grade A325 or A490 Bolts."
- C. Welded Connections: Visually inspect shop- and field-welded connections according to AWS D1.1/D1.1M. In addition, ten percent of the lengths of all field welds shall be spot tested by one of the following methods, at the testing agencies option. A minimum of 10% Magnetic Particle Testing is required for double fillet lap joints.
 - 1. Liquid Penetrant Test: ASTM E 165.
 - 2. Magnetic Particle Test: ASTM E 709; performed on root pass and on finished weld.
 - 3. Cracks or zones of incomplete fusion or penetration are not accepted.
 - 4. Ultrasonic Test: ASTM E 164.
 - 5. Radiographic Test: ASTM E 94 and ASME BPVC, Section VIII, Division 1, Paragraph UW-52.
- D. Prepare and submit test and inspection reports to the Owner.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Confirm, with certified steel erector present, elevations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedment's for compliance with requirements.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 ERECTION

- A. Set structural steel accurately in locations and to elevations indicated on the drawings according to AISC 303 and AISC 360.
- B. Baseplates, Bearing Plates and Leveling Plates: Clean concrete- and masonry-bearing surfaces of bond-reducing materials, and roughen surfaces prior to setting plates. Clean bottom surface of plates.
 - 1. Set plates for structural members on wedges, shims, or setting nuts as required.
 - 2. Weld plate washers to top of baseplate.
 - 3. Pretension anchor rods after supported members have been positioned and plumbed. Do not remove wedges or shims but, if protruding, cut off flush with edge of plate before packing with grout.
 - 4. Pack grout solidly between bearing surfaces and plates so no voids remain. Neatly finish exposed surfaces; protect grout and allow to cure. Comply with manufacturer's written installation instructions for shrinkage-resistant grouts.
- C. Maintain erection tolerances of structural steel within AISC 303, "Code of Standard Practice for Steel Buildings and Bridges."

3.03 FIELD CONNECTIONS

- A. High-Strength Bolts: Install high-strength bolts according to RCSC's "Specification for Structural Joints Using ASTM F 3125, Grade A325 or A490 Bolts" for type of bolt and type of joint specified.
 - 1. Joint Type: Pretensioned
- B. Weld Connections: Comply with AWS D1.1/D1.1M and AWS D1.8/D1.8M for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
 - 1. Comply with AISC 303 and AISC 360 for bearing, alignment, adequacy of temporary connections, and removal of paint on surfaces adjacent to field welds.
 - 2. Remove backing bars or runoff tabs, back gouge, and grind steel smooth.
 - 3. Assemble and weld built-up sections by methods that maintain true alignment of axes without exceeding tolerances in AISC 303, "Code of Standard Practice for Steel Buildings and Bridges," for mill material.

- C. Field galvanize those surfaces where the galvanization was held back due to welding and those galvanized surfaces that were damaged during installation.

* * * * *

END OF SECTION

APPROVED FOR GRANT

SECTION 055000
METAL FABRICATIONS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Section Includes:

1. Miscellaneous steel trim.
2. Loose bearing and leveling plates.

B. Products furnished, but not installed, under this Section include the following:

1. Anchor bolts, steel pipe sleeves, slotted-channel inserts, and wedge-type inserts indicated to be cast into concrete.
2. Steel weld plates and angles for casting into concrete for applications where they are not specified in other Sections.

C. Field Conditions

1. Field Measurements: Confirm actual field dimensions and elevation, and the locations of walls, existing utilities, equipment, and other construction with metal fabrications prior to fabrication.

1.02 ACTION SUBMITTALS

A. Product Data: For the following:

1. Grout. Refer to other Specification Sections for Grout requirements.

B. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items.

PART 2 – PRODUCTS

2.01 METALS

A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For Metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.

B. Steel Plates and Bars: ASTM A 50/A 50M or ASTM A572 Gr 50, as specified

C. Steel Tubing: ASTM A 500, cold-formed steel tubing.

D. Steel Pipe: ASTM A 53, Grade B unless otherwise indicated.

2.02 FASTENERS

- A. General: Zinc-Coated High-Strength Bolts, Nuts, and Washers: ASTM F 3125, Grade 325, Type 1, heavy-hex steel structural bolts; ASTM A 563, Grade DH heavy-hex carbon-steel nuts; and ASTM F 436, Type 1, hardened carbon-steel washers.
- B. Finish: Hot-dip zinc coating
- C. Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior use. Select fasteners for type, grade, and class required.
- D. Cast-in-Place Anchors in Concrete: Unless otherwise specified on the Drawings, ATMS A615, Grade 60 threaded type or wedge type anchors, ASTM A307 anchor, or as indicated on the drawings; galvanized ferrous castings, either ASTM A 47/A 47M malleable iron or ASTM A 27/A 27M cast steel. Provide bolts, washers, and shims as needed, all hot-dip galvanized per ASTM F 2329.

2.03 MISCELLANEOUS MATERIALS

- A. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.
- B. Etching Cleaner for galvanized metal conforming to MPI#25
- C. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187/D 1187M.
- D. Non-shrink, Nonmetallic Grout: Factory-packaged, non-staining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M. Provide grout specifically recommended by manufacturer for exterior applications.

2.04 FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to achieve specified results. Use connections that maintain structural value of joined pieces.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges. Remove sharp or rough areas on exposed surfaces.
- C. Weld corners and seams continuously to comply with the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended.
- D. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Locate joints where least conspicuous.
- E. Fabricate seams and other connections that are exposed to weather in a manner to exclude water.

- F. Provide weep holes where water may accumulate.

2.05 MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.
- B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.
- C. Fabricate steel pipe columns for supporting construction from steel pipe with steel baseplates and top plates as indicated. Drill or punch baseplates and top plates for anchor and connection bolts and weld to pipe with fillet welds all around. Make welds the same size as pipe wall thickness unless otherwise indicated.

2.06 MISCELLANEOUS STEEL TRIM

- A. Unless otherwise indicated, fabricate units from steel shapes, plates, and bars of profiles shown with continuously welded joints and smooth exposed edges. Miter corners and use concealed field splices where possible.
- B. Provide cutouts, fittings, and anchorages as needed to coordinate assembly and installation with other work.
- C. Galvanize exterior miscellaneous steel trim.

2.07 LOOSE BEARING AND LEVELING PLATES

- A. Provide loose bearing and leveling plates for steel items bearing on masonry or concrete construction. Drill plates to receive anchor bolts and for grouting.

2.08 STEEL WELD PLATES AND ANGLES

- A. Provide steel weld plates and angles not specified in other Sections, for items supported from concrete construction as needed to complete the Work. Provide each unit with no fewer than two integrally welded steel strap anchors or studs for embedding in concrete.

2.09 FINISHES, GENERAL

- A. Finish metal fabrications after assembly.

2.10 STEEL AND IRON FINISHES

- A. Galvanizing: Hot-dip galvanize all steel to comply with ASTM A 153 for steel and iron hardware and with ASTM A 123 for other steel and iron products.
 - 1. For exterior galvanized rail provide hot dipped galvanized fittings, brackets, fasteners, sleeves and other components.
 - 2. Fill vent and drain holes that are exposed in the finish work by plugging with zinc solder and filing off smooth.

3. After galvanizing thoroughly clean the materials of dirt, grease, oil, flux, and other foreign material and treat with etching cleaner.

PART 3 – EXECUTION

3.01 INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.
- B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Wrap or protect steel surfaces a minimum of three inches from surfaces that are to be field welded. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
- C. Field Welding: Comply with the following requirements:
 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 2. Obtain fusion without undercut or overlap.
 3. Remove welding flux immediately.
 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Field galvanize those surfaces where the galvanization was held back due to welding and those galvanized surfaces that were damaged during installation.
- E. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction.
- F. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

3.02 ADJUSTING AND CLEANING

- A. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780/A 780M.

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END OF SECTION

SECTION 071600
CEMENTITIOUS AND REACTIVE WATERPROOFING

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of a flexible, cementitious, waterproofing coating.
- C. The general conditions, supplementary conditions and general requirements of this document apply to general contractors, subcontractors, material suppliers, and all other persons furnishing labor and materials under this section.

1.02 WORK INCLUDED

- A. Contractor shall provide all labor, material, and equipment necessary to apply cementitious coating in application over concrete surfaces as shown on the contract drawings and specified herein.

1.03 RELATED SECTIONS

- A. Section 03 30 00 – Cast-In-Place Concrete.

1.04 REFERENCES

- A. ASTM C 672 - Standard Test Method for Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals.
- B. ASTM D412 (modified) - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension.
- C. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials ("Wet Cup" Procedure).
- D. TT-P-1411 – Federal Specification, Paint, Copolymer-Resin, Cementitious (for Waterproofing Concrete and Masonry Walls).
- E. Gemite ISO TP (Test Procedure) 005-97 - Tensile Properties of Thin Cement Composites.

1.05 QUALITY ASSURANCE

- A. Contractor shall provide the proper equipment, manpower, and supervision at the jobsite to install the cementitious coating in compliance with the project plans and specifications.
- B. Prepare a site sample approximately 4' x 4'. This sample will be regarded as the minimum standard of workmanship acceptable for this project.
- C. Installation must be carried out by an experienced contractor with an adequate number of skilled personnel experienced in the application of the crystalline coating systems.
- D. Maintain a record of the batch numbers of all materials supplied for this project.

1.06 SUBMITTALS

- A. Comply with Section 013300 - Submittals.
- B. Submit manufacturer's product data and application instructions.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store cementitious coating in a clean, dry area protected from direct sunlight, weather and other damage. Store all wet materials at a temperature of not less than 44° F at all times.
- C. Protect materials during handling and application to prevent damage or contamination.

1.08 ENVIRONMENTAL REQUIREMENTS

- A. Product must never be applied if ambient temperatures cannot be kept above 40° F during application and for 48 hours thereafter.
 - 1. Contractor shall provide supplemental heating, as necessary, to maintain ambient temperatures for specified duration.
 - a. Use of propane heaters for this purpose is prohibited. Electrical heaters or hot air generators shall be used.
- B. Avoid applications at temperatures above 82° F.
- C. Protect surrounding surfaces from damage due to work of this trade.
- D. Hot Weather Application
 - 1. Protect the surface against rapid evaporation of water between the finishing and the final set time.
 - 2. Use water misting or apply a surface evaporation retarders.
- E. Cold Weather Application
 - 1. Apply in temperatures above freezing point.
 - 2. Protect the material against freezing for a minimum of 48 hours.
 - 3. Use electrical heaters to avoid carbonation and carbonation cracking.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Flexible Cementitious Coating: CEM-KOTE FLEX ST manufactured by Gemite Products Inc. and distributed by W. R. MEADOWS or approved equal.
- B. General Purpose Structural Repair Mortar for repairs or coves: MEADOW-CRETE® GPS manufactured by W. R. MEADOWS.

- C. Thin Set Concrete Restoration Mortar: GEM-PLAST TC manufactured by Gemite Products, Inc.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive the thin set mortar and flexible cementitious coating.
- B. Report to owner's representative, in writing, any defects in previously prepared work or unsatisfactory site conditions.
- C. Do not begin surface preparation or application until unacceptable conditions have been corrected.
- D. Starting work under this section means acceptance of the surface and previously prepared work.

3.02 SURFACE PREPARATION

- A. Thoroughly clean the surface using high-pressure wash with a minimum 5000 psi.
- B. Ensure all soft concrete surfaces and any bond-inhibiting materials, such as release agents, are removed.
- C. Wash the surface thoroughly with water prior to the application of the cementitious coating.
- D. Allow all surface water to dry off to achieve a saturated surface dry (SSD) condition.
- E. To ensure proper surface preparation, a bond test should be performed in accordance with manufacturer's instructions.
- F. Surface Repair
 - 1. Use thin patching mortar to patch the "honeycombing" and air pockets.
 - 2. Use polymer modified structural repair mortar for patching in excess of 1/4".
 - 3. Uneven concrete, due to concrete form misplacement, must be chipped away and surface patched smooth.
 - 4. Build corner coves 2" x 2" minimum, using an overhead or vertical structural repair mortar.
- G. Treatment of Existing Cracks and All Non-Structural Joints
 - 1. Identify all the existing cracks and joints and apply a thin layer of the flexible cementitious coating approximately 4 ½" wide and 19 mils thick by trowel or brush.
 - 2. Embed the non-woven reinforcing fabric over the entire area of this coating and work in using trowel.
 - 3. Ensure this coating application totally covers the reinforcing fabric.
 - 4. Let dry sufficiently and apply an additional coat of this flexible cementitious coating to build up to a total thickness of 38 mils over the entire area.

H. Treatment of Inside Corners

1. Install a 2" x 2" cove over the inside corners using polymer-modified structural repair mortar.
2. Apply a thin layer of flexible cementitious coating approximately 10" wide and 31 mils by trowel or brush.
3. Embed the woven reinforcing fabric over the entire area of this coating and work in using trowel.
4. Ensure this coating application totally covers the reinforcing fabric.
5. Apply an additional coat of this flexible cementitious coating to build up a total thickness of 63 mils over the entire area.

I. Treatment of Protruding Elements

1. Apply two coats of flexible cementitious coating at a thickness of 63 mils to both the concrete surface and protruding element.
2. Form a 2" x 2" minimum cove using polymer-modified structural repair mortar in the corner.
3. Allow polymer-modified structural repair mortar to cure.

3.03 MIXING

A. Thin Set Concrete Restoration Mortar

1. Mix the dry content of 50 lb. bag with 1.1 gallons of water for hand application or with 1.21 - 1.27 gallons of water for spray application using ½" drill with paddle or conventional mortar mixer.

B. Flexible Cementitious Coating

1. Mix the content of the bag, component A, with the liquid component B.
2. Use a heavy-duty drill (400 - 600 RPM) with a helix screw or paddle mixer to achieve thorough mixing.
3. Pour approximately 80% of the liquid component B into the mixing container (mixer) and gradually add the dry component A into the liquid and mix until a smooth and lump-free mix is obtained.
4. Add the remaining liquid as required for a given application consistency.
5. At high ambient temperatures, and depending on application, one to two cups of water can be added if required.

3.04 APPLICATION

A. Thin Set Concrete Restoration Mortar

1. Hand application

- a. Apply thin set mortar using a trowel, in a manner similar to stucco application; a “scratch” coat and the second (third) coat), and finish using a float, to obtain an “open structure” surface.
 2. Spray Application
 3. Apply first a thin “scratch” coat and brush the surface to obtain continuity.
 4. Apply the second (third) coat – “wet to green condition.”
 5. Compact the material using a trowel to eliminate entrapped air and finish with float to obtain “open structure” surface.
 6. Air dry cure for a minimum three days prior to application of flexible cementitious coating.
- B. Flexible Cementitious Coating
1. Brush or spray-apply the first coat of cementitious coating to a thickness of 1/32”.
 2. If spraying, brush the first coat to eliminate any pinholes.
 3. Apply the second coat after approximately 15 - 30 minutes at the same thickness as the first coat (1/32”), giving a finish thickness of 1/16”.
 - a. Overnight drying of coats is prohibited.
 4. Brush the second coat to eliminate pinholes.
 5. Protect against surface water evaporation.
- C. Finishing
1. To obtain a smooth surface, if required, finish the surface using a steel trowel.
- D. Curing
1. Air-dry cure flexible cementitious coating for 72 hours at 68° F and 70 – 80% RH prior to filling with water.
 2. Allowance for longer curing/drying time will be required with cooler temperatures and higher relative humidity.

3.05 SITE CLEANUP

- A. Remove all excess and waste materials from the jobsite in accordance with contract provisions.
- B. Ensure all surrounding areas where the material has been applied and is free of debris.

END OF SECTION

SECTION 099113

PAINTING

PART 1 – GENERAL

1.01 SCOPE OF WORK

- A. Furnish all materials, labor, equipment and incidentals required and perform paint removal, and priming, shop and field painting necessary to complete this Contract in its entirety as specified herein.
- B. The work shall consist of applying a three-coat structural steel paint system to structural steel parts. The three-coat system shall consist of the following components:
 - 1. Epoxy Primer
 - 2. Epoxy Intermediate Coat
 - 3. Epoxy Top Coat
- C. It is the intent of this Section to paint all exposed areas of the structural steel gate where the paint system has failed. The areas to be painted or specified on the plans, in these specifications, and as directed by the Operator's Representative.
- D. The following items will be painted:
 - 1. Areas of existing steel beams, plates, channels and other miscellaneous steel with paint loss and/or paint failure. Paint shall be removed with appropriate hand vacuum type tools, and the areas shall be blast cleaned, primed and field painted.
 - 2. New steel beams, channels, plates and other miscellaneous steel, if determined necessary shall be shop primed and painted.
- E. The following items will not be painted:
 - 1. Concrete.
 - 2. Non-ferrous metals unless specifically noted otherwise.

1.02 SUBMITTALS

- A. Product Data: For each type of product indicated. Include preparation requirements and application instructions.
- B. Submit representative physical samples of each type of paint in each color and gloss of topcoat indicated.
- C. Submit details of Contractor's proposed means and methods for the containment, capture and cleanup of surface preparation residue and wash water.
- D. Submit name of RCRA TSD Facility and permitted disposal facilities proposed for the disposal of surface preparation residue and wash water.

1.03 REFERENCE STANDARDS

A. Code of Federal Regulations

1. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings

B. The Society for Protective Coatings (SSPC)

1. SSPC SP-1 – Solvent Cleaning.
2. SSPC SP-2 – Hand Tool Cleaning.
3. SSPC-SP-5/NACE No. 1 – White Metal Blast Cleaning
4. SSPC SP-6/NACE No. 3 – Commercial Blast Cleaning
5. SSPC SP-7/NACE No. 4 – Brush-off Blast Cleaning
6. SSPC SP-10/NACE No.2 – Near-White Blast Cleaning
7. SSPC SP-11 – Power Tool Cleaning to Bare Metal

C. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
1. Maintain containers in clean condition, free of foreign materials and residue.
 2. Remove rags and waste from storage areas daily.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. **Abrasive from Blast Cleaning.** Abrasive materials for use in blast cleaning work shall be selected by the Contractor. The material shall be such that the nominal blast profile of the cleaned steel surface is within the range of 2 to 3 miles. Silica sand, or materials containing more than 1% silica by volume, will not be allowed.
- B. **Paint Two Component Epoxy (Primer, Intermediate and Top Coat).** This paint shall be certified by the manufacturer to be suitable for immersion service. The epoxy coating shall not contain coal tar.
1. The following paints will be accepted for application to the steel:
 - a. Amerlock 400
 - b. Rustoleum 91XX/9102
 - c. Sherwin Williams Dura Plate 235
 - d. Themec Series 69
 - e. Interzone 954

2. Paint shall be supplied in properly sealed, substantial containers. Batch numbers shall be clearly identified on each paint container.
 3. Each single paint component shall be of a color different from the others. The top (finish) coat color shall match the adjacent unpainted surfaces.
- C. All painting materials shall be delivered in unbroken packages, bearing the manufacturer's brand and name. They shall be used without adulteration and mixed, then applied in strict accordance with manufacturer's directions for the applicable materials and surface and with the Engineer's approval before use.
- D. Colors: To match the color of existing paint.

PART 3 – EXECUTION

3.01 Cleaning

- A. All structural steel surfaces to be painted shall be cleaned to SSPC-SP10, Near White Metal. Cleaning to SSPC-SP5, White Metal Blast will be required at no additional cost if SP5 is the paint manufacturer's minimum recommended surface preparation for immersion service.
- B. Before blast cleaning work begins, visible deposits of oil, grease, dirt, salt, or other contaminants shall be removed by the methods specified in SSPC-SP1, Solvent Cleaning.
- C. No blast cleaning operations will be conducted if the humidity exceeds 85%, or if the surface temperature is less than 5°F (3°C) above the dew point. Blast cleaned surfaces shall not be left uncoated (refer to priming).
 1. De-humidifying equipment shall be utilized if ambient humidity levels cannot be continuously maintained at 85% or less without use of equipment.
- D. The area cleaned shall be limited to that which can be cleaned and prime coated within sixteen hours of cleaning (refer to priming). Cleaned areas shall be approved by the Operator's Representative prior to priming.
- E. After blast cleaning is completed, cleaned surfaces shall be defined by SSPC-Vis 1.
- F. After blast cleaning operations are completed, all surfaces shall be cleaned of blasting products and other residues. Cleaned surfaces shall be cleared of all foreign matter by means of oil-free, water free, compressed air, or vacuum systems only.

3.02 Painting - General

- A. All paint shall be thoroughly mixed in accordance with the manufacturer's instructions. Mechanical mixers shall be used. Hand mixing or boxing shall not be allowed. Two clearly legible copies of the manufacturer's instructions shall be delivered to the Engineer and Operator's Representative at least two weeks prior to the beginning of any paint work.
- B. Only properly sealed paint containers will be permitted to be opened for use in the work. Containers opened prior to the Operator's authorization, or tampered containers shall be removed from the work site. Unauthorized opening of containers, or tampering, constitutes

automatic rejection of the contents. All such containers shall be replaced by properly sealed containers at no additional cost.

- C. Thinning of paint will be allowed only with the expressed permission of the Operator's Representative. All thinning shall be done in strict accordance with the manufacturer's instructions. Only the type and quantity of thinner recommended by the manufacturer shall be used. Unauthorized use of thinners will result in the recleaning and repairing of the affected surface in a manner satisfactory to the Engineer, at no additional cost.
- D. Paint may be applied by brush, roller, or airless spray methods, unless otherwise noted. The requirements and restrictions of New York State NYSDOT Standard Specification 572-3 shall apply.
- E. Individual coatings shall be applied in sufficient quantity so that the following dry film thicknesses (DFT) result:

<u>Primer</u>	<u>Intermediate</u>	<u>Finish</u>
6-8 mils	6-8 mils	6-8 mils

The minimum total DFT shall be 18 mils regardless of the number of applications that may be required.

- F. The wet film thickness required to obtain the required DFT is dependent upon the percent solids by the volume of the paint. This will vary somewhat for each system.
- G. DFT determination will be made by the Operator's Representative, in accordance with SSPC-PA2. The Contractor shall supply all the equipment required by New York State NYSDOT Standard Specification 572-2.03. No work shall be done until all the required equipment is supplied.
- H. No paint shall be applied unless all of the following conditions are met:
 - 1. The receiving surface shall be clean and absolutely dry.
 - 2. The surface temperature shall be within the range recommended by the paint manufacturer.
 - 3. Ambient air temperature shall be within the range recommended by the paint manufacturer and shall be at least 5°F above the dew point.
 - 4. The relative humidity shall be less than 85 percent.
- I. No paint shall be applied if the Operator's Representative determines that poor adhesion or any other non-acceptable conditions will result. All paint applied in violation of these requirements shall be entirely removed, and the affected surface cleaned and repainted in accordance with the stated requirements, at no additional cost.
- J. All individual coating applications shall be applied as required by the manufacturer's instructions. No coat of paint shall be applied until the previous coat has cured sufficiently,

as determined by the manufacturer's instructions, and approved by the Operator's Representative.

- K. The Contractor shall comply with all applicable OSHA requirements. These costs shall be included in the price bid.
- L. The work is subject to inspection. The Contractor shall provide adequate access and suitable lighting for such inspections to be made. Work done while the Operative's Representative has been refused, denied, or restricted from access, or work exhibited in a manner that in the Operator's opinion prevents adequate inspection, will automatically be rejected. All such work shall be recleaned and repainting in accordance with these requirements, at no additional cost.
- M. The Operator's Representative will take wet and dry film readings to ensure minimum coating thicknesses and evenness of application. Coating shall also be monitored for the presence of holidays, pin-holing, bubbling, cratering, lack of adhesion, and other defects. Coatings having less than the required dry film thickness, or other defects unacceptable to the Operator, shall be rendered suitable in a manner satisfactory to the Engineer, at no additional cost.

3.03 Painting

- A. Priming: The following shall not be primed:
 - 1. All metal surfaces to be in contact with concrete.
- B. Priming shall begin only after welding and fabrication work is completed and accepted. Steel which is to be field welded shall be left uncoated for a minimum of three inches from the weld area.
- C. The temperature limits indicated under Painting - General shall apply.
- D. Cleaned bare metal surfaces shall have all blasting products removed and shall be painted the prime coat within sixteen hours of the completion of the blasting operations, and before the condition known as flash-rusting occurs. No bare steel surface shall be left uncoated for any time duration sufficient to allow the formation of rust. No rust formation of any nature will be permitted. Cleaned areas upon which rust has formed shall be recleaned in accordance with these cleaning requirements at no additional cost. The presence of rust shall be determined by the Operator's Representative. Surfaces receiving primer shall be absolutely clean and dry prior to primer application.
- E. All edges of plates, angles or other shapes, corners and crevices shall be striped. All stripe painting shall be done by brush application only. The stripe shall extend a minimum of one inch from the edge, or corner. The stripe coat shall be set to touch before application of the full epoxy coat.
- F. Epoxy coating shall not be applied to metal-to-metal contact surfaces. These surfaces shall be prime coated only with inorganic zinc primer having a minimum slip coefficient of 0.50. The cost of applying this material shall be included in the price bid for this item.

3.04 Intermediate Coat

- A. The requirements given under Priming shall apply with the following modifications:
 - 1. That portion of the faying surface which has been primed shall not be coated with the intermediate coat.
 - 2. Application may be made by brush, roller, or spray.
 - 3. Prior to application, if detrimental material is present, the primed surfaces shall be cleaned in accordance with SSPC-SP1, Solvent Cleaning, or as directed by the Operator's Representative.
 - 4. Stripe painting is not required.
- B. No paint shall be applied unless the receiving surface is absolutely dry. In no case shall paint be applied if, in the opinion of the Operator's Representative, atmospheric conditions are such, or will change to be such, as to cause unsatisfactory results.

3.05 Finish Coat

- A. The requirements of Priming and Intermediate Coat shall apply together with the following modifications:
 - 1. The finish coat shall be applied in accordance with the coating manufacturer's recommendation for re-coating, or in the absence of such instructions applied after the intermediate coat has dried to the extent that it cannot be shoved, dented, abraded, or dislodged when struck with a rubber mallet.

3.06 Miscellaneous

- A. The Contractor is specifically notified that responsibility for damage attributed to drifting paint is solely his. The Operator's Representative is specifically empowered to terminate spraying or rolling operations.

3.07 Cleanup

- A. At all times keep the premises free from accumulation of waste material and rubbish caused by employees or work. At the completion of the painting, remove all tools, scaffolding, surplus materials and all rubbish from the site.

3.08 Method of Measurement:

- A. Payment will be made at the Unit Price Amount specified in the BID.

3.09 BASIS OF PAYMENT:

- A. The Unit Price shall include the cost of all labor, materials, and equipment necessary to complete the work.

END OF SECTION

ATTACHMENT A-1
AGENCY SPECIFIC TERMS AND CONDITIONS

- A. Notice.** For purposes of notice as contained in this State of New York Contract for Grants (Contract), Standard Terms and Conditions, Section I(G):
1. The **State's designee** shall be the STATE AGENCY identified on the Face Page. Document submission and inquiries should be directed to the designated STATE AGENCY representative.
 2. The **Contractor's designee** shall be the CONTRACTOR NAME at the CONTRACTOR PRIMARY MAILING ADDRESS, as identified on the Face Page.
- B. Payment** shall be made to the NYS Vendor ID Number at the CONTRACTOR PAYMENT ADDRESS identified on the Face Page.
- C. Changes to Budget and Program Work Plan.** Changes shall not be made in the work described in Attachment C (Work Plan) or the proposed expenditure of funds as shown in Attachment B (Budget), without the prior written approval of the State. Such approval will be granted if the changes are not substantive and do not alter the scope, intent or basic elements of the contract. Changes in the Work Plan or Budget that are substantive or alter the scope, intent or basic elements of the contract, if agreed to by the State, will be implemented by an amendment that may require approval and filing with the New York Attorney General Contract Approval Unit (AG) and the Office of the State Comptroller (OSC or State Comptroller), per Section I(D) of this Contract.
- D.** It is the Contractor's responsibility, pursuant to Sections 57 and 220 (8) of the Workers' Compensation Law, to maintain for State audit and review either proof that they have **Workers' Compensation and Disability Benefits Insurance** coverage for any employees, or proof of exemption from the New York State Workers' Compensation Board. The Contractor must also obtain from any contractor or subcontractor hired to provide a service pursuant to this Contract, similar proof or waivers from the contractor or subcontractor, and must maintain such documentation on file for audit.
- E. Non-Discrimination:**
1. If the project involves development or acquisition of public facilities, the Contractor shall not limit access or discriminate in the operation of the facilities on the basis of place of residence, race, creed, color, national origin, sex, age, disability or marital status.
 2. The Contractor agrees to comply with all applicable Federal, State, and local Civil Rights and Human Rights laws with reference to equal employment opportunities and the provisions of service.
- F. Termination.** In addition to the options available to the State in the Contract, in the event the Contractor fails to comply with its terms and conditions regarding completion of the project, the State at its option may require the Contractor to bring the project to a point of educational/interpretive, historical, recreational or conservation usefulness as determined by the State.
- G.** Documents submitted to the State may be subject to disclosure under the **Freedom of Information Law**.
- H. Non-Sectarian Purposes.** The Contractor agrees that funds made available as shown in Attachment B will only be used to achieve the intended public benefit and will not be used for any sectarian purposes.
- I. Archeology.** In the event of any unanticipated archeological discoveries, the Contractor shall stop all work and notify the State immediately. Work shall not resume until the State determines how any previously undiscovered archeological remains will be treated. Special attention shall be given to any discovery of burials, graves, or human remains.

J. Preservation of Historic Properties. It is the public policy and in the public interest of the State to preserve New York's historical, archeological, architectural and cultural heritage. All activities under this Contract shall be reviewed under either Section 106 of the National Historic Preservation Act or Section 14.09 of the New York State Parks, Recreation and Historic Preservation Law to ensure that adverse effects or impacts on significant properties are avoided or mitigated. Any work that affects historic properties shall conform to The Secretary of the Interior's Standards for the Treatment of Historic Properties 1995, The Secretary of the Interior's Standards and Guidelines for Archeological Documentation or any other applicable Secretary of the Interior's Standards (collectively referenced as STANDARDS), which are available from the State.

K. Post-Completion Requirements. Where the project involves acquisition of equipment or acquisition of or improvement of real property, the Contractor shall be responsible for maintaining and operating the equipment, property, and/or improvements; providing public access; maintaining public signage related to the project; and seeking any required State approvals. The State shall have the right and responsibility to inspect the project and property for compliance.

L. Construction Requirements. If the Project described in this Contract includes construction, the following shall apply:

1. Contract plans, specifications, and cost estimates shall be submitted to the State for review prior to the letting of any construction contract by the Contractor. The State shall verify that the plans, specifications and cost estimates are in conformance with the work described in Attachment B and shall so notify the Contractor in writing; the State shall further verify that appropriate documents have been prepared by a professional licensed to practice in the State of New York. All plans and specifications as reviewed shall become part of this Contract, and no change or revision may be made to such plans and specifications without the express written consent of the State.
2. The Contractor shall be responsible for assuring that the project is designed and constructed in conformance with the Uniform Federal Accessibility Standards (UFAS Appendix A to 41 CFR part 101 19.6), the Americans with Disabilities Act Accessibility Guidelines (ADAAG Appendix A to 28 CFR part 36) and the New York State Uniform Fire Prevention and Building (I) (Code (parts 1219 1228 of Title 19 NYCRR). Where there are discrepancies among the sets of standards with regard to a particular design/construction requirement, the one providing for the greatest degree of accommodation for the disabled shall apply.
3. It is the Contractor's responsibility to assure that all work on the project complies with the State Environmental Quality Review Act, receives all required permits in advance, and complies with all applicable Federal, State and/or local laws including, but not limited to, zoning ordinances and building codes.

M. At the discretion of the State, an **Agreed Upon Procedure Review** may be required of the grant performed by a representative of the STATE or a certified public accountant procured by the STATE or the CONTRACTOR currently licensed by the NYS Board of Public Accountancy, in accordance with attestation standards established by the American Institute of Certified Public Accountants and in accordance with Government Auditing Standards issued by the Comptroller General of the United States of America to the satisfaction of the STATE.

N. The State may make **periodic inspections** of the project both during its implementation and after its completion to assure compliance with this Contract. The Contractor shall allow the State unrestricted access to work during the preparation and progress of the work and provide for such access and inspection by the State in all construction contracts relating to the project.

O. Department of Labor Public Work Contractor Registry. Effective December 30, 2024, all contractors and subcontractors submitting bids or performing construction work on public work projects or private projects covered by Article 8 of the Labor Law are required to register with the

New York State Department of Labor under Labor Law Section 220-i. Private projects subject to Article 8 of the Labor Law include those covered by Labor Law Sections 224-a (public subsidy funded projects), 224-d (renewable energy systems), 224-e (broadband projects), 224-f (climate risk-related and energy transition projects, and roadway excavations). A Certificate of Registration with a unique registration number will be issued to the applicant electronically through the Contractor Registry portal. A digital copy of the certificate must be submitted with bid submission or bidder may be found to be non-responsive. Contractors are responsible for verifying that any subcontractors they work with are registered. Please refer to this website for information:

<https://dol.ny.gov/contractor-and-subcontractor-landing>. The registration login page is found here: [Log In - Management System for Protecting Workers' Rights](#).

ATTACHMENT A-2
PROGRAM SPECIFIC TERMS AND CONDITIONS
ENVIRONMENTAL PROTECTION FUND

- A.** Funding for this project is provided pursuant to the terms of the Environmental Protection Act, Title 9 of Article 54 of the Environmental Conservation Law and governed by the Rules and Regulations set forth in 9 NYCRR Sections 439-443.
- B. Procurement:** All goods and services required for this project must be procured in a manner so as to assure the prudent and economical use of grant moneys, to facilitate the acquisition of goods and services of maximum quality at the lowest possible cost under the circumstances, and to guard against nepotism, favoritism, improvidence, extravagance, fraud and corruption.
1. If the Contractor is subject to General Municipal Law, documentation of the Contractor's compliance with the procurement and bidding requirements of General Municipal Law shall be included with the applicable request for reimbursement.
 2. If the total amount of the goods or services is less than the dollar threshold for competitive bidding, as outlined in section 103 of General Municipal Law, or if the Contractor is not subject to General Municipal Law, the Contractor must follow procurement procedures designed to achieve the purpose of this clause. Such procedures may include, but are not limited to, competitive bidding, the solicitation of three price quotes, written requests for proposals, etc. When submitting a request for reimbursement, the Contractor must include a copy of the organizational procurement policy applicable to the relevant expenditures and/or documentation of the specific procurement process used for those expenditures.
- C. Retroactive funding.** Notwithstanding the provisions of Section A (2) of the Attachment D: Payment and Reporting of this State of New York Contract for Grants ("Contract"), program regulations set forth in 9 NYCRR 440.5 (Project sponsor's match) permit retroactive reimbursement of certain expenses, when those expenses are included in the project Budget.
- D. Project Sign.** At the commencement of the work described in the Work Plan, the Contractor shall erect a sign at the project site noting the State's assistance to the project. The project sign specifications and term length for this requirement are set forth in Attachment E (Special Conditions and Requirements).
- E. Public Benefit Requirements.**
1. In order to ensure a public benefit accrues from an acquisition, development or construction project that is being funded the Contractor shall:
 - a. Afford the public reasonable access to or use of the project as specified by the State;
 - b. Include a provision that no rule or regulation of a municipality shall restrict the use of, or access to, a project by non-residents of the municipality;
 - c. Not impose a fee for use of or access to the project without the prior written approval of the State;
 - d. Own or hold by lease or maintain and operate the project as specified by the State;
 - e. Not allow operation of the project, or any portion thereof, by any other person, entity, or organization pursuant to any management agreement, license or other arrangement without first obtaining the written approval of the State;

- f. Not alter, demolish, sell, lease or otherwise convey the project, in whole or in part, or permit a change in use of the project, without the prior written approval of the State; and
 - g. Submit all plans in writing for restoration, rehabilitation, improvement, demolition or other physical change to the completed project for State approval before work commences.
- 2. Other public benefit requirements specific to this project, including the term length of any property restriction (e.g., preservation covenant or public access covenant) and the legal mechanism for enforcing the restriction as specified by the State are set forth in Attachment E (Special Conditions and Requirements).
 - 3. Parkland acquired or improved by a municipality shall not be sold, leased, exchanged or otherwise disposed of (collectively, “disposed of”) or converted to other than public park purposes without the express authority of an act of the Legislature, which shall provide for the substitution of other land of equal environmental value and fair market value and reasonably equivalent usefulness and location to those to be discontinued, sold or disposed of, and such other additional requirements as shall be required by the State.
 - 4. Land acquired for recreation or conservation purposes by a not-for-profit organization shall be subject to a conservation easement (see, Title 3 of Article 49 of the Environmental Conservation Law) to be held by the State. Parkland shall not be disposed of by the not-for-profit organization except to the State, a local government unit or another qualifying tax-exempt not-for-profit organization that shall be required to use it for recreation or conservation purposes. Disposal to any other entity of parkland acquired for recreation or conservation purposes by a not-for-profit corporation shall require the express authority of an act of the Legislature.

F. Planning Requirements.

- 1. All planning documents, plans and specifications must be accepted by the State before the Contractor awards contracts for the project or the subject property. These must be prepared by a qualified professional accepted by the State.
- 2. Any documents developed under this Contract shall include recognition of funding through the Environmental Protection Fund from the Office of Parks, Recreation and Historic Preservation.

- G.** In the case that this grant involves **State-owned land**, the grant recipient shall have in place a current, approved agreement with the agency of jurisdiction that specifies compliance for the elements funded with this grant as set forth in all Attachments included as part of this Contract.

**NON-COLLUSIVE BIDDING CERTIFICATION REQUIRED BY
SECTION 139-D OF THE STATE FINANCE LAW**

SECTION 139-D, Statement of Non-Collusion in bids to the State:

BY SUBMISSION OF THIS BID, BIDDER AND EACH PERSON SIGNING ON BEHALF OF BIDDER CERTIFIES, AND IN THE CASE OF JOINT BID, EACH PARTY THERETO CERTIFIES AS TO ITS OWN ORGANIZATION, UNDER PENALTY OF PERJURY, THAT TO THE BEST OF HIS/HER KNOWLEDGE AND BELIEF:

[1] The prices of this bid have been arrived at independently, without collusion, consultation, communication, or agreement, for the purposes of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;

[2] Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and

[3] No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A BID SHALL NOT BE CONSIDERED FOR AWARD NOR SHALL ANY AWARD BE MADE WHERE [1], [2], [3] ABOVE HAVE NOT BEEN COMPLIED WITH; PROVIDED HOWEVER, THAT IF IN ANY CASE THE BIDDER(S) CANNOT MAKE THE FOREGOING CERTIFICATION, THE BIDDER SHALL SO STATE AND SHALL FURNISH BELOW A SIGNED STATEMENT WHICH SETS FORTH IN DETAIL THE REASONS THEREFORE:

[AFFIX ADDENDUM TO THIS PAGE IF SPACE IS REQUIRED FOR
STATEMENT.]

Subscribed to under penalty of perjury under the laws of the State of New York, this
_____ day of _____, 20____ as the act and deed of said corporation or partnership.

IF BIDDER(S) (ARE) A PARTNERSHIP, COMPLETE THE FOLLOWING:

NAMES OF PARTNERS OR PRINCIPALS

LEGAL RESIDENCE

IF BIDDER(S) (ARE) A CORPORATION, COMPLETE THE FOLLOWING:

NAME

LEGAL RESIDENCE

President:

Secretary:

Treasurer:

President:

Secretary:

Treasurer:

Identifying Data

Potential Contractor _____

Address _____

Street

City, Town, etc.

Telephone _____

Title _____

If applicable, Responsible Corporate Officer

Name _____

Title _____

Signature _____

Joint or combined bids by companies or firms must be certified on behalf of each participant.

Legal name of person, firm or corporation

Legal name of person, firm or corporation

By _____

Name

Name

Title

Title

Address _____

Street

Address _____

Street

City State

City State

Introduction to the Prevailing Rate Schedule

Information About Prevailing Rate Schedule

This information is provided to assist you in the interpretation of particular requirements for each classification of worker contained in the attached Schedule of Prevailing Rates.

Classification

It is the duty of the Commissioner of Labor to make the proper classification of workers taking into account whether the work is heavy and highway, building, sewer and water, tunnel work, or residential, and to make a determination of wages and supplements to be paid or provided. It is the responsibility of the public work contractor to use the proper rate. If there is a question on the proper classification to be used, please call the district office located nearest the project. District office locations and phone numbers are listed below. Prevailing Wage Schedules are issued separately for "General Construction Projects" and "Residential Construction Projects" on a county-by-county basis.

General Construction Rates apply to projects such as: Buildings, Heavy & Highway, and Tunnel and Water & Sewer rates. Residential Construction Rates generally apply to construction, reconstruction, repair, alteration, or demolition of one family, two family, row housing, or rental type units intended for residential use. Some rates listed in the Residential Construction Rate Schedule have a very limited applicability listed along with the rate. Rates for occupations or locations not shown on the residential schedule must be obtained from the General Construction Rate Schedule. Please contact the local Bureau of Public Work office before using Residential Rate Schedules, to ensure that the project meets the required criteria.

*Contractor Registry (LL 220-I): Effective December 30th, 2024

Labor Law Section 220-i(6) prohibits contractors from bidding on public work and prohibits both contractors and subcontractors from commencing work on private and public projects subject to prevailing wage requirements. This section requires contractors to submit their Certificate of Registration with their bid materials. Each Certificate of Registration will have a unique registration number. Failure to provide proof of registration, as required by Labor Law Section 220-i, as a minimum qualification will result in the bidder being deemed non-responsive. There is a public database of registered contractors and subcontractors available online at data.ny.gov to confirm registration validity. For additional information on how to register and the requirements, visit <https://dol.ny.gov/public-work-contractor-and-subcontractor-registry-landing>

*Electronic Certified Payroll (LL 220-K): Effective December 31st, 2025

Effective December 31, 2025, all contractors and subcontractors who perform public work, or covered private work subject to the prevailing wage, will be required to submit certified payrolls electronically to the Bureau of Public Work and Prevailing Wage Enforcement. Additional information about the electronic certified payroll submission system will be made available on the Department's Website at <https://dol.ny.gov/Electronic-Payroll>

Payrolls and Payroll Records

Contractors and subcontractors are required to establish, maintain, and preserve for not less than six (6) years, contemporaneous, true, and accurate payroll records.

Every contractor and subcontractor shall submit to the Department of Jurisdiction (Contracting Agency), within thirty (30) days after issuance of its first payroll and every thirty (30) days thereafter, a transcript of the original payrolls, subscribed and affirmed as true under penalty of perjury.

Paid Holidays

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

Overtime

At a minimum, all work performed on a public work project in excess of eight hours in any one day or more than five days in any workweek is overtime. However, the specific overtime requirements for each trade or occupation on a public work project may differ. Specific overtime requirements for each trade or occupation are contained in the prevailing rate schedules.

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays.

The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Supplemental Benefits

Particular attention should be given to the supplemental benefit requirements. Although in most cases the payment or provision of supplements is straight time for all hours worked, some classifications require the payment or provision of supplements, or a portion of the supplements, to be paid or provided at a premium rate for premium hours worked. Supplements may also be required to be paid or provided on paid holidays, regardless of whether the day is worked. The Overtime Codes and Notes listed on the particular wage classification will indicate these conditions as required.

Effective Dates

When you review the schedule for a particular occupation, your attention should be directed to the dates above the column of rates. These are the dates for which a given set of rates is effective. The rate listed is valid until the next effective rate change or until the new annual determination which takes effect on July 1 of each year.

All contractors and subcontractors are required to pay the current prevailing rates of wages and supplements. If you have any questions please contact the Bureau of Public Work or visit the New York State Department of Labor website (www.labor.ny.gov) for current wage rate information.

Shift Work

If the timeline of the contract requires shift work be performed to meet deadlines, the BPWE will enforce the shift work rate as the required rate on the project whether or not shift work is specifically addressed in the contract.

Paid Prenatal Leave

Every employer shall be required to provide to its employees twenty hours of paid prenatal personal leave during any fifty-two week calendar period. Paid prenatal personal leave shall mean leave taken for the health care services received by an employee during their pregnancy or related to such pregnancy, including physical examinations, medical procedures, monitoring and testing, and discussions with a healthcare provider related to the pregnancy. Paid prenatal personal leave may be taken in hourly increments. Benefits for paid prenatal personal leave shall be paid in hourly installments. Employees shall receive compensation at the employee's regular rate of pay, or the applicable minimum wage established by the labor law, whichever is greater, for the use of Paid Prenatal leave.

Apprentice Training Ratios

The following are the allowable ratios of registered Apprentices to Journey-workers.

For example, the ratio 1:1,1:3 indicates the allowable initial ratio is one Apprentice to one Journeyworker. The Journeyworker must be in place on the project before an Apprentice is allowed. Then three additional Journeyworkers are needed before a second Apprentice is allowed. The last ratio repeats indefinitely. Therefore, three more Journeyworkers must be present before a third Apprentice can be hired, and so on.

Please call Apprentice Training Central Office at (518) 457-6820 if you have any questions.

Title (Trade)	Ratio
Boilermaker (Construction)	1:1,1:4
Boilermaker (Shop)	1:1,1:3
Carpenter (Bldg.,H&H, Pile Driver/Dockbuilder)	1:1,1:4
Carpenter (Residential)	1:1,1:3
Electrical (Outside) Lineman	1:1,1:2
Electrician (Inside)	1:1,1:3
Elevator/Escalator Construction & Modernizer	1:1,1:2
Glazier	1:1,1:3
Insulation & Asbestos Worker	1:1,1:3
Iron Worker	1:1,1:4
Laborer	1:1,1:3
Mason	1:1,1:4
Millwright	1:1,1:4
Op Engineer	1:1,1:5
Painter	1:1,1:3
Plumber & Steamfitter	1:1,1:3
Roofer	1:1,1:2
Sheet Metal Worker	1:1,1:3
Sprinkler Fitter	1:1,1:2

If you have any questions concerning the attached schedule or would like additional information, please contact the nearest BUREAU of PUBLIC WORK District Office or write to:

New York State Department of Labor
Bureau of Public Work
State Office Campus, Bldg. 12
Albany, NY 12226

District Office Locations:	Telephone #	FAX #
Bureau of Public Work - Albany	518-457-2744	518-485-0240
Bureau of Public Work - Binghamton	607-721-8005	607-721-8004
Bureau of Public Work - Buffalo	716-847-7159	716-847-7650

Bureau of Public Work - Garden City	516-228-3915	516-794-3518
Bureau of Public Work - Newburgh	845-568-5287	845-568-5332
Bureau of Public Work - New York City	212-932-2419	212-775-3579
Bureau of Public Work - Patchogue	631-687-4882	631-687-4902
Bureau of Public Work - Rochester	585-258-4505	585-258-4708
Bureau of Public Work - Syracuse	315-428-4056	315-428-4671
Bureau of Public Work - Utica	315-793-2314	315-793-2514
Bureau of Public Work - White Plains	914-997-9507	914-997-9523
Bureau of Public Work - Central Office	518-457-5589	518-485-1870

Franklin County General Construction

Boilermaker

09/01/2025

JOB DESCRIPTION Boilermaker

DISTRICT 7

ENTIRE COUNTIES

Cayuga, Clinton, Cortland, Franklin, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Seneca, St. Lawrence, Tompkins

WAGES

Per hour:	07/01/2025	01/01/2026	01/01/2027
		Additional	Additional
Boilermaker	\$ 40.50	\$ 2.50*	\$ 2.50*

* To be allocated at a later date.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker	\$ 26.60*
	+ 1.49

*This portion of the benefits subject to the same premium rate as shown for overtime wages.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 25) on HOLIDAY PAGE

NOTE: When a holiday falls on Sunday, the day observed by the State or Nation shall be observed. When a holiday falls on Saturday, Friday will be observed as the holiday.

REGISTERED APPRENTICES

WAGES per hour: Six (6) month terms at the following percentage of Journeyworker's wage.

1st	2nd	3rd	4th	5th	6th	7th	8th
65%	65%	70%	75%	80%	85%	90%	95%

SUPPLEMENTAL BENEFITS per hour:

\$ 19.76*	\$ 19.76*	\$ 20.74*	\$ 21.71*	\$ 22.67*	\$ 23.66*	\$ 24.66*	\$ 25.62*
+ 1.49	+ 1.49	+ 1.49	+ 1.49	+ 1.49	+ 1.49	+ 1.49	+ 1.49

*This portion of the benefits subject to the same premium rate as shown for overtime wages.

7-175

Broadband

09/01/2025

JOB DESCRIPTION Broadband

DISTRICT 4

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

PARTIAL COUNTIES

Orange: Only in the Village of Greenwood Lake, Village of Highland Falls, Town of Tuxedo, and Town of Patterson

WAGES

NOTE: Applies to all public work and covered private projects, including those receiving ConnectAll funding subject to New York State Labor Law §224-E, solicited on or after July 1,2025. For all other projects solicited prior to July 1,2025 please see LINEMAN ELECTRICIAN-TELEDATA

Per Hour:	07/01/2025	08/04/2025
Field Tech	\$ 51.31	\$ 52.85
Install/Repair		

For outside work (excluding installation on building construction/alteration/renovation projects), stopping at first point of attachment (demarcation), installing/maintaining/repairing broadband internet service.

"Broadband", "Broadband Service", or "Broadband Internet" means mass-market retail service by wire or radio that provides the capability to transmit data to and receive data from all or substantially all internet endpoints, including any capabilities that are incidental to and enable the operation of the communications service, but excluding dial-up internet access service.

Note: EXCLUDES work within ten (10) feet of High Voltage (600 Volts and over) transmission lines for this work, please see LINEMAN

SUPPLEMENTAL BENEFITS

Per Hour:

\$ 23.24

OVERTIME PAY

See (B, K, *R) on OVERTIME PAGE

* Two and one half times the hourly rate after the 8th hour

HOLIDAY

Paid: See (5, 6, 7, 11, 12) on HOLIDAY PAGE

Overtime: See (5, 6, 7, 11, 12) on HOLIDAY PAGE

4-CWA-Dist2

Carpenter - Building

09/01/2025

JOB DESCRIPTION Carpenter - Building

DISTRICT 2

ENTIRE COUNTIES

Clinton, Essex, Franklin, Hamilton

WAGES

Per hour:	07/01/2026	01/01/2026	07/01/2026 Additional	07/01/2027 Additional
Carpenter	\$ 32.17	\$ 32.67	\$ 5.00*	\$ 3.61*
Floor Coverer	32.17	32.67	5.00*	3.61*
Carpet Layer	32.17	32.67	5.00*	3.61*
Dry-Wall	32.17	32.67	5.00*	3.61*
Diver-Wet Day	57.17	57.67	5.00*	3.61*
Diver-Dry Day	33.17	33.67	5.00*	3.61*
Diver Tender	33.17	33.67	5.00*	3.61*

*To be allocated at a later date

NOTE ADDITIONAL AMOUNTS PAID FOR THE FOLLOWING WORK LISTED BELOW (per hour worked):

- Pile Drivers/Dock Builders shall receive \$0.25 per hour over the journeyworker's rate of pay when performing piledriving/dock building work.
- Certified welders shall receive \$3.00 per hour over the journeyworker's rate of pay when the employee is required to be certified and performs AWS, DOT or ABS specified welding work
- When an employee performs work within a contaminated area on a State and/or Federally designated hazardous waste site, and where relevant State and/or Federal regulations require employees to be furnished and use or wear required forms of personal protection, then the employee shall receive his regular hourly rate plus \$1.50 per hour.
- Depth pay for Divers based upon deepest depth on the day of the dive (per diem payment):
 - 0' to 80' no additional fee
 - 81' to 100' additional \$.50 per foot
 - 101' to 150' additional \$0.75 per foot
 - 151' and deeper additional \$1.25 per foot
- Penetration pay for Divers based upon deepest penetration on the day of the dive (per diem payment):
 - 0' to 50' no additional fee
 - 51' to 100' additional \$.75 per foot
 - 101' and deeper additional \$1.00 per foot
- Diver rates applies to all hours worked on dive day.

SHIFT WORK

On Agency/Owner mandated shift work, the following rates will be applicable:

- 1st Shift - Regular Rate
- 2nd Shift - Premium of 10% of base wage per hour
- 3rd Shift - Premium of 15% of base wage per hour

Shift work shall be defined as implementing at least two (2) shifts in a twenty-four (24) consecutive hour period. Shift work must be for a minimum of three (3) consecutive days.

SUPPLEMENTAL BENEFITS

Per hour:

	07/01/2025	01/01/2026
Journeyworker	\$ 23.85	\$ 23.85

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday which occurs on Sunday shall be observed the following Monday. If Christmas falls on a Saturday, it shall be observed on the prior Friday.

REGISTERED APPRENTICES

Wages per hour (1300 hour terms at the following percentage of Journeyworker's base wage):

1st	2nd	3rd	4th
65%	70%	75%	80%

Supplemental Benefits per hour:

\$ 12.66	\$ 12.66	\$ 15.26	\$ 15.26
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NOTE ADDITIONAL AMOUNTS PAID TO APPRENTICES FOR THE FOLLOWING WORK LISTED BELOW (per hour worked):

- Pile Driving/Dock Builder apprentices shall receive an additional \$0.25 per hour worked when performing piledriving/dock building work.
- Certified Welders shall receive \$3.00 per hour over the apprentices rate of pay when the apprentice is required to be certified and performs AWS, DOT or ABS specified welding work.
- When an apprentice performs work within a contaminated area on a State and/or Federally designated hazardous waste site, and where relevant State and/or Federal regulations require the apprentice to be furnished and use or wear required forms of personal protection, then the apprentice shall receive his regular hourly rate plus \$1.50 per hour.

2-291B-Cli

Carpenter - Building / Heavy&Highway

09/01/2025

JOB DESCRIPTION Carpenter - Building / Heavy&Highway

DISTRICT 2

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

PARTIAL COUNTIES

Orange: The area lying on Northern side of Orange County demarcated by a line drawn from the Bear Mountain Bridge continuing west to the Bear Mountain Circle, continue North on 9W to the town of Cornwall where County Road 107 (also known as Quaker Rd) crosses under 9W, then east on County Road 107 to Route 32, then north on Route 32 to Orrs Mills Rd, then west on Orrs Mills Rd to Route 94, continue west and south on Route 94 to the Town of Chester, to the intersection of Kings Highway, continue south on Kings Highway to Bellvale Rd, west on Bellvale Rd to Bellvale Lakes Rd, then south on Bellvale Lakes Rd to Kain Rd, southeast on Kain Rd to Route 17A, then north and southeast along Route 17A to Route 210, then follow Route 210 to NJ Border.

WAGES

Wages per hour:	07/01/2025	07/01/2026 Additional	07/01/2027 Additional
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Carpenter - ONLY for

Artificial Turf/Synthetic

Sport Surface	\$ 37.94	\$ 2.25*	\$ 2.25*
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* To be allocated at a later date.

Note - Does not include the operation of equipment. Please see Operating Engineers rates.

SUPPLEMENTAL BENEFITS

Per hour worked:

Journeyworker	\$ 27.34
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OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (5) on HOLIDAY PAGE

Overtime: See (5, 6, 16) on HOLIDAY PAGE

Notes:

When a holiday falls upon a Saturday, it shall be observed on the preceding Friday. When a holiday falls upon a Sunday, it shall be observed on the following Monday.

An employee taking an unexcused day off the regularly scheduled day before or after a paid Holiday shall not receive Holiday pay.

REGISTERED APPRENTICES

Wages per hour (1300 hour terms at the following percentage of Journeyworker's wage):

1st	2nd	3rd	4th
65%	70%	75%	80%

Supplemental Benefits per hour worked:

\$19.10	\$19.69	\$21.83	\$22.42
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2-42AtSS

Carpenter - Heavy&Highway

09/01/2025

JOB DESCRIPTION Carpenter - Heavy&Highway

DISTRICT 2

ENTIRE COUNTIES

Clinton, Essex, Franklin, Hamilton

WAGES

Per hour	07/01/2025	07/01/2026 Additional	07/01/2027 Additional
Carpenter	\$ 42.02	\$ 2.00*	\$ 3.43*
Piledriver	42.02	2.00*	3.43*
Diver-Wet Day	67.02	2.00*	3.43*
Diver-Dry Day	43.02	2.00*	3.43*
Diver-Tender	43.02	2.00*	3.43*

*To be allocated at a later date

NOTE ADDITIONAL AMOUNTS PAID FOR THE FOLLOWING WORK LISTED BELOW (per hour worked):

- State or Federal designated hazardous site, requiring protective gear shall be an additional \$2.50 per hour.
- Certified welders when required to perform welding work will receive an additional \$5.00 per hour.

ADDITIONAL NOTES PERTAINING TO DIVERS/TENDERS:

- Divers and Tenders shall receive one and one half (1 1/2) times their regular diver and tender rate of pay for Effluent and Slurry diving.
- Divers and tenders being paid at the specified rate for Effluent and Slurry diving shall have all overtime rates based on the specified rate plus the appropriate overtime rates (one and one half or two times the specified rate for Slurry and Effluent divers and tenders).
- The pilot of an ADS or submersible will receive one and one-half (1 1/2) times the Diver-Wet Day Rate for time submerged.
- All crew members aboard a submersible shall receive the Diver-Wet Day rate.
- Depth pay for Divers based upon deepest depth on the day of the dive (per diem payment):
 - 0' to 50' no additional fee
 - 51'to 100' additional \$.50 per foot
 - 101'to 150' additional \$.75 per foot
 - 151'to 200' additional \$1.25 per foot
 - 201' and deeper additional \$1.50 per foot
- Penetration pay for Divers based upon deepest penetration on the day of the dive (per diem payment):
 - 0' to 50' no additional fee
 - 51' to 100' additional \$.75 per foot
 - 101' to 200' additional \$1.00 per foot
 - 201' and deeper additional \$1.25 per foot
- Diver rates applies to all hours worked on dive day.

SHIFT WORK

When project owner mandates a single irregular work shift, the Journeyworkers and Apprentices will receive an additional \$4.00 per hour. A single irregular work shift can start any time from 5:00 p.m. to 1:00 a.m.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 25.80

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

- In the event a Holiday falls on a Saturday, the Friday before will be observed as a Holiday. If a Holiday falls on a Sunday, then Monday will be observed as a Holiday.

- The employee must work their scheduled workday before and their scheduled workday after the holiday to receive holiday pay.

REGISTERED APPRENTICES

CARPENTER/PILEDRIIVER/DOCKBUILDER APPRENTICES

Wages per hour (1300 hour terms at the following percentage of journeyworker's base wage):

1st	2nd	3rd	4th
65%	70%	75%	80%
Supplemental Benefits per hour:			
\$ 18.61	\$ 19.20	\$ 21.28	\$ 21.87

NOTE ADDITIONAL AMOUNTS PAID PER HOUR WORKED TO APPRENTICES FOR SPECIFIC TYPES OF WORK PERFORMED:

- State or Federal designated hazardous site, requiring protective gear shall be an additional \$2.50 per hour.
- Certified welders when required to perform welding work will receive an additional \$5.00 per hour.

2-291HH-CEFH

Electrician

09/01/2025

JOB DESCRIPTION Electrician

DISTRICT 6

ENTIRE COUNTIES

Clinton, Essex, Franklin, Jefferson, Lewis, St. Lawrence

WAGES

Per hour:	07/01/2025	04/01/2026 Additional
Electrician	\$ 43.50	\$ 2.60*
Teledata	43.50	2.60*
Welder	45.50	2.60*

* To be allocated at a later date.

NOTE: Additional amounts, subject to overtime premiums, due for the following work (applicable to all employees):

- Additional \$1.50 per hour for work performed underground such as tunnels and mine shafts. Excludes manholes and walkway tunnels between buildings.

- Additional \$1.50 per hour for working 35 feet or more on scaffolds, ladders, towers, steeples, structural steel, or mechanical lifts over 65 feet.

SHIFT WORK

THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED SHIFTS WORKED BETWEEN THE HOURS LISTED BELOW. THE EMPLOYER MAY BE PERMITTED TO ADJUST THE STARTING HOURS OF THE SHIFT BY UP TO TWO (2) HOURS IF REQUIRED BY THE AGENCY. IF A SHIFT BEGINS OUTSIDE OF THE STATED SHIFT HOURS, THE RATE PAID WOULD BE DETERMINED BY WHAT SHIFT THE MAJORITY OF HOURS WERE WORKED.

1st shift:	8:00 AM to 4:30 PM	Regular wage rate
2nd shift:	4:30 PM to 1:00 AM	Regular wage rate plus 17.3%
3rd shift:	12:30 AM to 9:00 AM	Regular wage rate plus 31.4%

SUPPLEMENTAL BENEFITS

Per hour:	\$ 25.88 plus
Journeyworker	5.75% of hourly wage paid*

* NOTE: THE 5.75% IS BASED ON THE HOURLY WAGE PAID, STRAIGHT TIME RATE OR PREMIUM TIME RATE.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES per hour: Hourly terms at the following percentage of the Journeyworker's wage.

1-1000	to 2000	to 3500	to 5000	to 6500	to 8000
45%	50%	55%	60%	70%	80%

SUPPLEMENTAL BENEFITS per hour:

1st & 2nd term	\$ 12.17*
All other terms	\$ 25.88*

* PLUS 5.75% OF HOURLY WAGE PAID, STRAIGHT TIME RATE OR PREMIUM TIME RATE.

6-910

Elevator Constructor

09/01/2025

JOB DESCRIPTION Elevator Constructor

DISTRICT 6

ENTIRE COUNTIES

Broome, Cayuga, Chenango, Cortland, Franklin, Jefferson, Lewis, Onondaga, Oswego, St. Lawrence, Tioga, Tompkins

PARTIAL COUNTIES

Delaware: Only the towns of: Tompkins, Walton, Masonville, Sidney, Franklin and Deposit.

Madison: Only the towns of: Cazenovia, DeRuyter, Eaton, Fenner, Georgetown, Lebanon, Lenox, Nelson and Sullivan.

Oneida: Only the towns of: Camden, Florence and Vienna.

WAGES

Per hour:	07/01/2025	01/01/2026	01/01/2027
Mechanic	\$ 58.44	\$ 61.003	\$ 63.719
Helper	40.91	42.70	44.60

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker	\$ 38.435*	\$ 38.985*	39.535*
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*NOTE - add 6% of regular hourly rate for all hours worked. Add 8% of regular hourly rate if more than 5 years of service.

OVERTIME PAY

See (D, O) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 15, 16) on HOLIDAY PAGE

Overtime: See (5, 6, 15, 16) on HOLIDAY PAGE

NOTE: When a holiday falls on a Saturday, it shall be observed on Friday. When a holiday falls on Sunday, it shall be observed on Monday.

REGISTERED APPRENTICES

WAGES per hour: 1 year terms at the following percentage of the Elevator Constructor wage.

0-6 months	6-12 months	2nd year	3rd year	4th year
50%	55%	65%	70%	80%

SUPPLEMENTAL BENEFITS per hour:

0-6 months: 6% of the hourly apprentice rate paid, no additional supplemental benefits.

All other terms: Same as Journeyworker

6-62.1

Glazier

09/01/2025

JOB DESCRIPTION Glazier

DISTRICT 1

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

Per hour

	07/01/2025	05/01/2026
Glazier Base Wage	\$ 36.21	Additional \$ 4.00
Plus additional \$4.15 per hour for all hours worked, not subject to overtime/premium		

High Work Base Wage*** \$ 40.75

Plus additional \$4.10 per hour for all hours worked, not subject to overtime/premium

(***)When working on Swing Stage or Lift 100 feet or more in height, measured from the ground level up.

SHIFT WORK

THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED SHIFT WORK OR SINGLE IRREGULAR SHIFTS STARTING BETWEEN THE HOURS LISTED BELOW:

4:00pm to 6:30am: ADDITIONAL 12.5% TO APPLICABLE WAGE RATE
AND SUPPLEMENTAL BENEFIT

SUPPLEMENTAL BENEFITS

Per hour

Journeyworker	\$ 24.40
Journeyworker High Work	\$ 30.17

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

Premium is applied to the respective base wage only.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

Note: If any of the holidays are designated by federal law to be celebrated on a day other than that on which they regularly fall, then the holiday shall be celebrated on the day set by said federal law as if the day on which the holiday is celebrated was actually the holiday date.

REGISTERED APPRENTICES

Wages per hour

Apprentice Glazier 1500 hr. terms at the following percentage of Journeyworkers base wage.

1st	2nd	3rd	4th
50%	65%	75%	90%
+ additional \$4.15 per hour for all hours worked for all terms			

Apprentice Glazier Hi-Work 1500 hr. terms at the following percentage of Journeyworkers Hi-Work base wage.

1st	2nd	3rd	4th
50%	65%	75%	90%
+ additional \$4.10 per hour for all hours worked for all terms			

Supplemental Benefits per hour worked

Apprentice	
1st term	\$ 20.33
2nd-4th term	24.40

Apprentice High Work	
1st term	24.27
2nd-4th term	30.17

1-201

Insulator - Heat & Frost

09/01/2025

JOB DESCRIPTION Insulator - Heat & Frost

DISTRICT 1

ENTIRE COUNTIES

Clinton, Franklin

WAGES

Wages per hour 07/01/2025

Asbestos Worker*	\$ 35.48
Insulator*	35.48
Firestopping Worker*	35.48

(*) On Mechanical Systems only.

SHIFT WORK

On government mandated shift work additional 12% of wage for all shifts starting after 3:30 Pm.

SUPPLEMENTAL BENEFITS

Per hour

Journeyworker	\$ 27.58
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OVERTIME PAY

See (*B1, **Q) on OVERTIME PAGE

*B1=Double time begins after 10 hours on Saturday

**Q=Triple time on Labor Day if worked.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

When a holiday falls on Sunday the following Monday shall be observed as the holiday.

REGISTERED APPRENTICES

Wages per hour

One year terms at the following percentage of Journeyperson's wage.

1st	2nd	3rd	4th
60 %	70 %	80 %	90 %

Supplemental Benefits per hour worked:

Apprentices \$ 27.58

1-40/CF

Ironworker

09/01/2025

JOB DESCRIPTION Ironworker

DISTRICT 7

ENTIRE COUNTIES

Franklin, Herkimer, Lewis, Oneida, St. Lawrence

PARTIAL COUNTIES

Chenango: Only the Townships of Columbus, New Berlin, North Norwich, Plymouth, Sherburne and Smyrna.

Fulton: Only the Townships of Caroga, Ephratah, Oppenheim, and Stratford.

Hamilton: Only the Townships of Arietta, Indian Lake, Inlet, Lake Pleasant, Long Lake and Morehouse.

Jefferson: Only the Townships of Antwerp, Champion, Philadelphia and Wilna.

Madison: Only the Townships of Brookfield, Eaton, Hamilton, Lebanon, Madison, Oneida and Stockbridge.

Montgomery: Only the Townships of Canajoharie, Minden, Palatine and St. Johnsville.

Otsego: Only the Townships of Burlington, Cherry Valley, Decatur, Edmeston, Exeter, Hartwick, Middlefield, New Lisbon, Otsego, Pittsfield, Plainfield, Richfield, Roseboom, Springfield and Westford, and the Village of Cooperstown.

WAGES

Per hour:	07/01/2025	07/01/2026 Additional
Structural/Reinforcing	\$ 35.50	\$ 2.74*
Mach. Mover/Ornamental	35.50	2.74*
Stone Derrickman	35.50	2.74*
Chain Link Fence	35.50	2.74*
Sheeter Ironworker	35.50	2.74*
Pre-Engineered Building	35.50	2.74*
Window Erector	35.50	2.74*
Precast Erector	35.50	2.74*
Welder	35.50	2.74*

* To be allocated at a later date.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 32.91

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: Any holiday which occurs on Sunday shall be observed the following Monday. Any holiday which occurs on Saturday shall be observed the previous Friday.

REGISTERED APPRENTICES

WAGES per hour: 1500 hour terms at the following wage.

1-1500hrs	\$ 21.50
1501-3000hrs	23.50
3001-4500hrs	25.50
4501-6000hrs	27.50

SUPPLEMENTAL BENEFITS per hour:

1-1500hrs	\$ 14.19
1501-3000hrs	22.67
3001-4500hrs	23.88
4501-6000hrs	25.09

7-440

Laborer - Building

09/01/2025

JOB DESCRIPTION Laborer - Building

DISTRICT 7

ENTIRE COUNTIES

Franklin, Jefferson, Lewis, St. Lawrence

WAGES

NOTE: Building Laborer rates also apply on any masonry-type construction (block or brick with mortar), and on parking garages.

Group # 1: All Laborers (except as otherwise noted below).

Group # 2: Hazardous Waste & Asbestos removal.

Group # 3: Wind & Solar Worker.**

Per hour:	07/01/2025	07/01/2026 Additional	07/01/2027 Additional
Group # 1	\$ 30.78	\$ 3.85*	\$ 3.90*
Group # 2	33.78	3.85*	3.90*
Group # 3	33.78	3.85*	3.90*

* To be allocated at a later date.

** Applies when performing delivery handling and site readiness for all solar panels and wind turbines, whether on land or water. Not applicable to the installation/assembly of solar photovoltaic panels or racking.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 27.23

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentages of Journeyworker's wage:

1-1000	70%
1001-2000	80%
2001-3000	90%
3001-4000	95%

SUPPLEMENTAL BENEFITS per hour:

All Terms: Same as Journeyworker

7-1822

Laborer - Heavy&Highway

09/01/2025

JOB DESCRIPTION Laborer - Heavy&Highway

DISTRICT 7

ENTIRE COUNTIES

Franklin, Jefferson, Lewis, St. Lawrence

WAGES

GROUP A: Drill Helper, Flagmen, Outboard and Hand Boats.

GROUP B: BASIC RATE: Bull Float (where used for strike off only), Chain Saw, Concrete Aggregate Bin, Concrete Bootman, Gin Buggy, Hand or Machine Vibrator, Jack Hammer, Mason Tender, Mortar Mixer, Pavement Breaker, Handlers of All Steel Mesh, Small Generators for Laborers' Tools, Installation of Bridge Drainage Pipe, Pipe Layers, Vibrator Type Rollers, Tamper, Drill Doctor, Water Pump Operator (1-1/2" and Single Diaphragm) Nozzle (Asphalt, Gunit, Seeding, and Sand Blasting), Laborers on Chain Link Fence Erection, Rock Splitter & Power Unit, Pusher Type Concrete Saw and All Other Gas, Electric, Oil, and Air Tool Operators, Wrecking Laborer.

GROUP C: Drilling Equipment - only where a separate air compressor unit supplies power, Acetylene Torch Operators, Asphalt Raker, Powder Man, Tail or Screw Operator on Asphalt Paver.

GROUP D: Blasters, Form Setters, Stone or Granite Curb Setters.

GROUP E: Hazardous Waste Removal Work when designated by State/Federal as hazardous waste site and regulations require employees wear required personal protection.

Per hour:	07/01/2025	07/01/2026 Additional	07/01/2027 Additional
GROUP A	\$ 35.32	\$ 3.40*	\$ 4.20*
GROUP B	35.52	3.40*	4.20*
GROUP C	35.72	3.40*	4.20*
GROUP D	35.92	3.40*	4.20*

GROUP E	40.52	3.40*	4.20*
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* To be allocated at a later date.

SHIFT WORK

A single irregular work shift starting any time between 5:00 PM and 1:00 AM on governmental mandated night work shall be paid an additional \$5.00 per hour. Night work, when mandated by DOT shall be paid an additional \$5.00 per hour.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 29.37

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: If a holiday falls on Saturday, it will be celebrated on Saturday. Employees who work a Saturday holiday shall be paid double time plus the holiday pay. If a holiday falls on Sunday, it will be celebrated on Monday. Employees who work a Sunday holiday shall be paid double time. Employees who work on Monday shall be paid double time plus the holiday pay. Accordingly, the Monday following the Sunday is treated as the holiday.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of Journeyworker's GROUP B wage.

1st	2nd	3rd	4th
70%	80%	90%	95%

SUPPLEMENTAL BENEFITS per hour:

All Terms: Same as Journeyworker

7-1822/2h(2)

Laborer - Tunnel

09/01/2025

JOB DESCRIPTION Laborer - Tunnel

DISTRICT 7

ENTIRE COUNTIES

Franklin, Jefferson, Lewis, St. Lawrence

WAGES

GROUP A: General Laborer.

GROUP B: Change Houseman, Miners and all Machine Men, Safety Miner, all shaft work, Caisson Work, Drilling, Blow Pipe, all Air Tools, Tugger, Scaling, Nipper, Guniting pot to Nozzle, Bit Grinder, Signal Man (top and bottom), Concrete men, Shield-driven tunnels, Mixed face and soft ground, liner plate tunnels in free air.

GROUP C: Hazardous Waste Work on a State and or Federally designated waste site, and where relevant regulations require employees to use personal protection.

Per hour:	07/01/2025	07/01/2026	07/01/2027
		Additional	Additional
GROUP A	\$ 38.50	\$ 3.40*	\$ 4.20*
GROUP B	38.70	3.40*	4.20*
GROUP C	43.50	3.40*	4.20*

* To be allocated at a later date.

SHIFT WORK

A single irregular work shift starting any time between 5:00 PM and 1:00 AM on governmental mandated night work shall be paid an additional \$5.00 per hour.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 29.37

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: If a holiday falls on Saturday, it will be celebrated on Friday. If a holiday falls on Sunday, it will be celebrated on Monday. In the event that workers work on this Sunday holiday, they shall be paid double time. In the event that workers work on Monday, they shall be compensated at triple time. Accordingly, the Monday following the Sunday is treated as the holiday.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of Journeyworker's GROUP B wage:

1st	2nd	3rd	4th
70%	80%	90%	95%

SUPPLEMENTAL BENEFITS per hour:

All Terms: Same as Journeyworker

7-1822T(2)

Lineman Electrician

09/01/2025

JOB DESCRIPTION Lineman Electrician

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

WAGES

A Lineman/Technician shall perform all overhead aerial work. A Lineman/Technician on the ground will install all electrical panels, connect all grounds, install and connect all electrical conductors, assembly of all electrical materials, conduit, pipe, or raceway; placing of fish wire; pulling of cables, wires or fiber optic cable through such raceways; splicing of conductors; dismantling of such structures, lines or equipment.

Crane Operators: Operation of any type of crane on line projects.

Crawler Backhoe: Operation of tracked excavator/crawler backhoe with 1/2 yard bucket or larger on line projects.

Digging Machine Operator: All other digging equipment and augering on line projects.

A Groundman/Truck Driver shall: Build and set concrete forms, handle steel mesh, set footer cages, transport concrete in a wheelbarrow, hand or machine concrete vibrator, finish concrete footers, mix mortar, grout pole bases, cover and maintain footers while curing in cold weather, operate jack hammer, operate hand pavement breaker, tamper, concrete and other motorized saws, as a drill helper, operate and maintain generators, water pumps, chainsaws, sand blasting, operate mulching and seeding machine, air tools, electric tools, gas tools, load and unload materials, hand shovel and/or broom, prepare and pour mastic and other fillers, assist digger operator/equipment operator in ground excavation and restoration, landscape work and painting. Only when assisting a lineman technician, a groundman/truck driver may assist in installing conduit, pipe, cables and equipment.

NOTE: Includes Teledata Work within ten (10) feet of High Voltage Transmission Lines. Also includes digging of holes for poles, anchors, footer, and foundations for electrical equipment.

-----Below rates applicable on all overhead and underground distribution and maintenance work, and all overhead and underground transmission line work and the installation of fiber optic cable where no other construction trades are or have been involved. Includes access matting for line work.

Per hour:	07/01/2025	05/04/2026	05/03/2027	05/01/2028
Group A:				
Lineman, Technician	\$ 61.56	\$ 64.37	\$ 66.84	\$ 69.47
Crane, Crawler Backhoe	61.56	64.37	66.84	69.47
Welder, Cable Splicer	61.56	64.37	66.84	69.47
Group B:				
Digging Mach. Operator	\$ 55.40	\$ 57.93	\$ 60.16	\$ 62.52
Group C:				
Tractor Trailer Driver	\$ 52.33	\$ 54.71	\$ 56.81	\$ 59.05
Groundman, Truck Driver	49.25	51.50	53.47	55.58
Equipment Mechanic	49.25	51.50	53.47	55.58
Group D:				
Flagger	\$ 33.86	\$ 35.40	\$ 36.76	\$ 38.21

Additional 3% per hour above regular rate for entire crew when a helicopter is used. This will increase to 5% on May 03, 2027.

-----Below rates applicable on all electrical sub-stations, switching structures, fiber optic cable and all other work not defined as "Utility outside electrical work." Includes access matting for line work.

Group A:				
Lineman, Technician	\$ 61.56	\$ 64.37	\$ 66.84	\$ 69.47
Crane, Crawler Backhoe	61.56	64.37	66.84	69.47
Cable Splicer	67.72	70.81	73.52	76.42
Certified Welder, Pipe Type Cable	\$ 64.64	\$ 67.59	\$ 70.18	\$ 72.94
Group B:				
Digging Mach. Operator	\$ 55.40	\$ 57.93	\$ 60.16	\$ 62.52
Group C:				
Tractor Trailer Driver	\$ 52.33	\$ 54.71	\$ 56.81	\$ 59.05
Groundman, Truck Driver	49.25	51.50	53.47	55.58
Equipment Mechanic	49.25	51.50	53.47	55.58
Group D:				
Flagger	\$ 33.86	\$ 35.40	\$ 36.76	\$ 38.12

Additional 3% per hour above regular rate for entire crew when a helicopter is used. This will increase to 5% on May 03, 2027.

-----Below rates applicable on all switching structures, maintenance projects, railroad catenary install/maintenance third rail installation, bonding of rails and pipe type cable and installation of fiber optic cable. Includes access matting for line work.

Group A:				
Lineman, Tech, Welder	\$ 62.94	\$ 65.81	\$ 68.34	\$ 71.03
Crane, Crawler Backhoe	62.94	65.81	68.34	71.03
Cable Splicer	69.23	72.39	75.17	78.13
Certified Welder, Pipe Type Cable	66.09	69.10	71.76	74.58
Group B:				
Digging Mach. Operator	\$ 56.65	\$ 59.23	\$ 61.51	\$ 63.93
Group C:				
Tractor Trailer Driver	\$ 53.50	\$ 55.94	\$ 58.09	\$ 60.38
Groundman, Truck Driver	50.35	52.65	54.67	56.82
Equipment Mechanic	50.35	52.65	54.67	56.82
Group D:				
Flagger	\$ 34.62	\$ 36.20	\$ 37.59	\$ 39.07

Additional 3% per hour above regular rate for entire crew when a helicopter is used. This will increase to 5% on May 03, 2027.

-----Below rates applicable on all overhead and underground transmission line work & fiber optic cable where other construction trades are or have been involved. This applies to transmission line work only, not other construction. Includes access matting for line work.

Group A:				
Lineman, Tech, Welder	\$ 64.18	\$ 67.10	\$ 69.68	\$ 72.43
Crane, Crawler Backhoe	64.18	67.10	69.68	72.43
Group B:				
Digging Mach. Operator	\$ 57.76	\$ 60.39	\$ 62.71	\$ 65.19
Group C:				
Tractor Trailer Driver	\$ 54.55	\$ 57.04	\$ 59.23	\$ 61.57
Groundman, Truck Driver	51.34	53.68	55.74	57.94
Equipment Mechanic	51.34	53.68	55.74	57.94
Group D:				
Flagger	\$ 35.30	\$ 36.91	\$ 38.32	\$ 39.84

Additional 3% per hour above regular rate for entire crew when a helicopter is used. This will increase to 5% on May 03, 2027.

SHIFT WORK

THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM to 4:30 PM REGULAR RATE
2ND SHIFT	4:30 PM to 1:00 AM REGULAR RATE PLUS 17.3 %
3RD SHIFT	12:30 AM to 9:00 AM REGULAR RATE PLUS 31.4 %

SUPPLEMENTAL BENEFITS

Per hour:

	07/01/2025	05/04/2026	05/03/2027	05/01/2028
Group A	\$ 31.90*	\$ 32.90*	\$ 34.40*	\$ 35.90*
Group B	\$ 27.90*	\$ 28.90*	\$ 30.40*	\$ 31.90*
Group C	\$ 27.70*	\$ 28.50*	\$ 29.70*	\$ 30.90*
Group D	\$ 27.65*	\$ 28.40*	\$ 29.53*	\$ 30.66*

*Plus 7 % of the hourly wage paid. The 7% is based on straight time or premium time.

OVERTIME PAY

See (B, E, Q, X) on OVERTIME PAGE. NOTE: Double time for all emergency work designated by the Dept. of Jurisdiction.

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid See (5, 6, 8, 15, 25) on HOLIDAY PAGE

Overtime See (5, 6, 8, 15, 25) on HOLIDAY PAGE

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of the applicable Journeyworker's Lineman wage.

1st	2nd	3rd	4th	5th	6th	7th
60%	65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS per hour:

	07/01/2025	05/04/2026	05/03/2027	05/01/2028
All terms:	\$ 27.65*	\$ 28.40*	\$ 29.53*	\$ 30.66*

*Plus 7% of the hourly wage paid. The 7% is based on straight time or premium time.

6-1249a

Lineman Electrician - Teledata

09/01/2025

JOB DESCRIPTION Lineman Electrician - Teledata

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

NOTE: Applies to all public work and covered private projects, including those receiving ConnectAll funding subject to LL 224-E, solicited prior to July 1, 2025. For all projects, excluding dial-up internet access service, solicited on or after July 1, 2025, please see BROADBAND

Per hour: 07/01/2025

Cable Splicer	\$ 40.81
Installer, Repairman	\$ 38.73
Teledata Lineman	\$ 38.73
Tech., Equip. Operator	\$ 38.73
Groundman/Flagger	\$ 20.53

For outside work, stopping at first point of attachment (demarcation).

NOTE: EXCLUDES Teledata work within ten (10) feet of High Voltage (600 volts and over) transmission lines. For this work, please see LINEMAN.

SHIFT WORK

THE FOLLOWING RATES APPLY WHEN THE CONTRACTING AGENCY MANDATES MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION ARE WORKED. WHEN TWO (2) OR THREE (3) SHIFTS ARE WORKED THE FOLLOWING RATES APPLY:

1ST SHIFT	REGULAR RATE
2ND SHIFT	REGULAR RATE PLUS 10%
3RD SHIFT	REGULAR RATE PLUS 15%

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker	\$ 5.77
	*plus 3% of the hour wage paid

*The 3% is based on the hourly wage paid, straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (5, 6, 16) on HOLIDAY PAGE

6-1249LT - Teledata

Lineman Electrician - Traffic Signal, Lighting	09/01/2025
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JOB DESCRIPTION Lineman Electrician - Traffic Signal, Lighting

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Warren, Washington, Wayne, Wyoming, Yates

WAGES

Lineman/Technician shall perform all overhead aerial work. A Lineman/Technician on the ground will install all electrical panels, connect all grounds, install and connect all electrical conductors which includes, but is not limited to road loop wires; conduit and plastic or other type pipes that carry conductors, flex cables and connectors, and to oversee the encasement or burial of such conduits or pipes.

Crane Operators: Operation of any type of crane on Traffic Signal/Lighting projects.

Crawler Backhoe: Operation of tracked excavator/crawler backhoe with 1/2 yard bucket or larger on Traffic Signal/Lighting projects.

Digging Machine Operator: All other digging equipment and augering on Traffic Signal/Lighting projects.

A Groundman/Truck Driver shall: Build and set concrete forms, handle steel mesh, set footer cages, transport concrete in a wheelbarrow, hand or machine concrete vibrator, finish concrete footers, mix mortar, grout pole bases, cover and maintain footers while curing in cold weather, operate jack hammer, operate hand pavement breaker, tamper, concrete and other motorized saws, as a drill helper, operate and maintain generators, water pumps, chainsaws, sand blasting, operate mulching and seeding machine, air tools, electric tools, gas tools, load and unload materials, hand shovel and/or broom, prepare and pour mastic and other fillers, assist digger operator/equipment operator in ground excavation and restoration, landscape work and painting. Only when assisting a lineman technician, a groundman/truck driver may assist in installing conduit, pipe, cables and equipment.

A flagger's duties shall consist of traffic control only.

Per hour:	07/01/2025	05/04/2026	05/03/2027	05/01/2028
Group A:				
Lineman, Technician	\$ 52.86	\$ 55.31	\$ 57.40	\$ 59.64
Crane, Crawler Backhoe	52.86	55.31	57.40	59.64
Certified Welder	55.50	58.08	60.27	62.62
Group B:				
Digging Machine	\$ 47.57	\$ 49.78	\$ 51.66	\$ 53.68
Group C:				
Tractor Trailer Driver	\$ 44.93	\$ 47.01	\$ 48.79	\$ 50.69
Groundman, Truck Driver	42.29	44.25	45.92	47.71
Equipment Mechanic	42.29	44.25	45.92	47.71

Group D:

Flagger	\$ 31.72	\$ 33.19	\$ 34.44	\$ 35.78
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Above rates are applicable for installation, testing, operation, maintenance and repair on all Traffic Control (Signal) and Illumination (Lighting) projects, Traffic Monitoring Systems, and Road Weather Information Systems. Includes digging of holes for poles, anchors, footer foundations for electrical equipment; assembly of all electrical materials or raceway; placing of fish wire; pulling of cables, wires or fiber optic cable through such raceways; splicing of conductors; dismantling of such structures, lines or equipment.

SHIFT WORK

THE FOLLOWING RATES WILL APPLY ON ALL CONTRACTING AGENCY MANDATED MULTIPLE SHIFTS OF AT LEAST FIVE (5) DAYS DURATION WORKED BETWEEN THE HOURS LISTED BELOW:

1ST SHIFT	8:00 AM TO 4:30 PM	REGULAR RATE
2ND SHIFT	4:30 PM TO 1:00 AM	REGULAR RATE PLUS 17.3%
3RD SHIFT	12:30 AM TO 9:00 AM	REGULAR RATE PLUS 31.4%

SUPPLEMENTAL BENEFITS

Per hour worked:

	07/01/2025	05/04/2026	05/03/2027	05/01/2028
Group A	\$ 31.90*	\$ 32.90*	\$ 34.40*	\$ 35.90*
Group B	\$ 27.90*	\$ 28.90*	\$ 30.40*	\$ 31.90*
Group C	\$ 27.70*	\$ 28.50*	\$ 29.70*	\$ 30.90*
Group D	\$ 27.65*	\$ 28.40*	\$ 29.53*	\$ 30.66*

* Plus 7% of the hourly wage paid. The 7% is based on straight time or premium time.

OVERTIME PAY

See (B, E, Q, X) on OVERTIME PAGE. NOTE: Double time for all emergency work designated by the Dept. of Jurisdiction.

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (5, 6, 8, 15, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 15, 25) on HOLIDAY PAGE

NOTE: All paid holidays falling on Saturday shall be observed on the preceding Friday. All paid holidays falling on Sunday shall be observed on the following Monday. Supplements for holidays paid at straight time.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of the applicable Journeyworker's Lineman wage.

1st	2nd	3rd	4th	5th	6th	7th
60%	65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS per hour:

	07/01/2025	05/04/2026	05/03/2027	05/01/2028
All terms:	\$ 27.65*	\$ 28.40*	\$ 29.53*	\$ 30.66*

* Plus 7% of the hourly wage paid. The 7% is based on straight time or premium time.

6-1249a-LT

Lineman Electrician - Tree Trimmer

09/01/2025

JOB DESCRIPTION Lineman Electrician - Tree Trimmer

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

WAGES

Applies to line clearance, tree work and right-of-way preparation on all new or existing energized overhead or underground electrical, telephone and CATV lines. This also includes stump removal near underground energized electrical lines including telephone and CATV lines.

Per hour:	07/01/2025	01/04/2026	01/03/2027
Tree Trimmer	\$ 33.18	\$ 34.67	\$ 36.23
Equipment Operator	29.35	30.67	32.05
Equipment Mechanic	29.35	30.67	32.05

Truck Driver	23.85	24.93	26.05
Groundman	19.64	20.53	21.45
Flagger	15.50	16.20	16.93

SUPPLEMENTAL BENEFITS

Per hour:

	07/01/2025	01/04/2026	01/03/2027
Journeyworker	\$ 10.98*	\$ 11.23*	\$ 11.48*

* Plus 4.5% of the hourly wage paid. The 4.5% is based on straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q, X) on OVERTIME PAGE

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (5, 6, 8, 15, 16, 25) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 15, 16, 25) on HOLIDAY PAGE

NOTE: All paid holidays falling on a Saturday shall be observed on the preceding Friday. All paid holidays falling on a Sunday shall be observed on the following Monday.

6-1249TT

Mason - Building

09/01/2025

JOB DESCRIPTION Mason - Building

DISTRICT 12

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

Per hour 07/01/2025

Tile/Marble/Terrazzo

Setter	\$ 38.01
Finisher	29.62

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman Setter	\$ 21.83
Journeyman Finisher	18.87

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour

Hour Terms at the following percentage of Journeyman's wage

Setter:	
1st term 0-500 hrs	60%
2nd term 501-1500 hrs	70%
3rd term 1501-2500 hrs	80%
4th term 2501-3500 hrs	85%
5th term 3501-4500 hrs	90%
6th term 4501-6000 hrs	95%

Finisher:	
1st term 0-500 hrs	70%
2nd term 501-1500 hrs	80%
3rd term 1501-2500 hrs	90%
4th term 2501-3700 hrs	95%

Supplemental Benefits per hour worked

07/01/2025

Setter:	
1st term 0-500 hrs	\$ 12.98
2nd term 501-1500 hrs	12.98
3rd term 1501-2500 hrs	17.40
4th term 2501-3500 hrs	17.40
5th term 3501-4500 hrs	19.61
6th term 4501-6000 hrs	21.83

Finisher:	
1st term 0-500 hrs	\$ 12.22
2nd term 501-1500 hrs	12.22
3rd term 1501-2500 hrs	15.54
4th term 2501-3700 hrs	15.54

12-2TS.1

Mason - Building

09/01/2025

JOB DESCRIPTION Mason - Building

DISTRICT 12

ENTIRE COUNTIES

Clinton, Essex, Franklin

PARTIAL COUNTIES

Warren: Only the Townships of Chester, Hague, Horicon and Johnsburg.

WAGES

Per hour 07/01/2025

Bricklayer	\$ 37.41
Cement Finisher	37.41
Plasterer/Fireproofers*	37.41
Pointer/Caulker/Cleaner	37.41
Stone Mason	37.41
Acid Brick	37.41

(*)Fireproofers on Structural only.

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman \$ 22.70

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday which occurs on Sunday shall be observed the following Monday.

REGISTERED APPRENTICES

Wages per hour

750 hr terms at the following percentage of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
60%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

All Terms \$ 22.70

12-2b.8

Mason - Heavy&Highway

09/01/2025

JOB DESCRIPTION Mason - Heavy&Highway

DISTRICT 12

ENTIRE COUNTIES

Albany, Cayuga, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Madison, Montgomery, Oneida, Oswego, Rensselaer, Saratoga, Schenectady, Schoharie, St. Lawrence, Warren, Washington

PARTIAL COUNTIES

Onondaga: For Heavy & Highway Cement Mason or Plaster Work in Onondaga County, refer to Mason-Heavy&Highway tag 12-2h/h on.

WAGES

Per hour

07/01/2025

Mason &
Bricklayer

\$ 43.01

Additional \$1.00 per hour for work on any swing scaffold or staging suspended by means of ropes or cables.

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman

\$ 22.93

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour

750 HR TERMS at the following percent of Journeyman's wage

1st	2nd	3rd	4th	5th	6th	7th	8th
60%	60%	65%	70%	75%	80%	85%	90%

Supplemental Benefits per hour worked

0 to 500 Hours	\$ 14.13
All Other	22.93

12-2hh.1

Millwright

09/01/2025

JOB DESCRIPTION Millwright

DISTRICT 2

ENTIRE COUNTIES

Clinton, Essex, Franklin, Hamilton, Jefferson, Lewis, Oneida, Onondaga, Oswego, St. Lawrence, Warren, Washington

WAGES

Per hour: 07/01/2025

Building	\$ 38.41
Heavy & Highway	41.91

NOTE ADDITIONAL PREMIUMS PAID FOR THE FOLLOWING WORK LISTED BELOW (amount subject to any overtime premiums):

- Certified Welders shall receive \$1.75 per hour in addition to the current Millwrights rate provided he/she is directed to perform certified welding.
- For Building work if a work site has been declared a hazardous site by the Owner and the use of protective gear (including, as a minimum, air purifying canister-type chemical respirators) are required, then that employee shall receive a \$1.50 premium per hour for Building work.
- For Heavy & Highway work if the work is performed at a State or Federally designated hazardous waste site where employees are required to wear protective gear, the employees performing the work shall receive an additional \$2.00 per hour over the millwright heavy and highway wage rate for all hours worked on the day protective gear was worn.
- An employee performing the work of a machinist shall receive \$2.00 per hour in addition to the current Millwrights rate. For the purposes of this premium to apply, a "machinist" is a person who uses a lathe, Bridgeport, milling machine or similar type of tool to make or modify parts.
- When performing work underground at 500 feet and below, the employee shall receive an additional \$1.00.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 27.50

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

Note: Any holiday that falls on Sunday shall be observed the following Monday. Any holiday that falls on Saturday shall be observed the preceding Friday.

REGISTERED APPRENTICES

Wages per hour:

(1)year terms at the following percentage of Journeyworker's rate.

1st	2nd	3rd	4th
65%	75%	80%	90%

NOTE ADDITIONAL PREMIUMS PAID FOR THE FOLLOWING WORK LISTED BELOW (amount subject to any overtime premiums):

- Certified Welders shall receive \$1.75 per hour in addition to the current Millwrights rate provided he/she is directed to perform certified welding.
- For Building work if a work site has been declared a hazardous site by the Owner and the use of protective gear (including, as a minimum, air purifying canister-type chemical respirators) are required, then that employee shall receive a \$1.50 premium per hour for Building work.
- For Heavy & Highway work if the work is performed at a State or Federally designated hazardous waste site where employees are required to wear protective gear, the employees performing the work shall receive an additional \$2.00 per hour over the millwright heavy and highway wage rate for all hours worked on the day protective gear was worn.
- An employee performing the work of a machinist shall receive \$2.00 per hour in addition to the current Millwrights rate. For the purposes of this premium to apply, a "machinist" is a person who uses a lathe, Bridgeport, milling machine or similar type of tool to make or modify parts.
- When performing work underground at 500 feet and below, the employee shall receive an additional \$1.00.

SUPPLEMENTAL BENEFITS Benefits per hour:

Apprentices:

1st term	\$ 11.95
2nd term	22.84
3rd term	24.39
4th term	25.95

2-1163.2

Millwright

09/01/2025

JOB DESCRIPTION Millwright

DISTRICT 6

ENTIRE COUNTIES

Albany, Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Wyoming, Yates

WAGES

THE FOLLOWING RATE APPLIES TO ANY GAS/STEAM TURBINE AND OR RELATED COMPONENT WORK, INCLUDING NEW INSTALLATIONS OR MAINTENANCE AND ANY/ALL WORK PERFORMED WITHIN THE PROPERTY LIMITS OF A NUCLEAR FACILITY.

Per hour: 07/01/2025

Millwright - \$ 47.00
Power Generation

NOTE: ADDITIONAL PREMIUMS PAID FOR THE FOLLOWING WORK LISTED BELOW (amount subject to any overtime premiums):

- Certified Welders shall receive an additional \$1.75 per hour provided they are directed to perform Certified Welding.
- If a work site has been declared a hazardous site by the Owner and the use of protective gear (including, as a minimum, air purifying canister-type chemical respirators) is required, then that employee shall receive an additional \$1.50 per hour.
- An employee performing the work of a machinist shall receive an additional \$2.00 per hour. For the purposes of this premium to apply, a "machinist" is a person who uses a lathe, Bridgeport, milling machine or similar type of tool to make or modify parts.
- When performing work underground at 500 feet and below, the employee shall receive an additional \$1.00 per hour.

SUPPLEMENTAL BENEFITS

Per hour paid:

Journeyworker \$ 28.45*

*NOTE: Subject to OT premium

OVERTIME PAY

See (B, E, E2, Q, V) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: Any holiday that falls on Sunday shall be observed the following Monday. Any holiday that falls on Saturday shall be observed the preceding Friday.

REGISTERED APPRENTICES

WAGES per hour: One year terms at the following percentage of Journeyworker's wage:

Appr. 1st year	65%*
Appr. 2nd year	75%*
Appr. 3rd year	80%*
Appr. 4th year	90%*

*NOTE: Additional premium for the following work listed below:

Certified Welder	\$ 1.75
Hazardous Waste Work	1.50
Machinist	2.00
Underground (500' and below)	1.00

SUPPLEMENTAL BENEFITS per hour:

Appr. 1st year	\$ 11.95
Appr. 2nd year	23.50
Appr. 3rd year	25.15
Appr. 4th year	26.80

6-1163Power

Operating Engineer - Building

09/01/2025

JOB DESCRIPTION Operating Engineer - Building

DISTRICT 1

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

PARTIAL COUNTIES

Dutchess: Defined as north of the northern boundary line of City of Poughkeepsie then due east to Route 115 to Bedell Road then east along Bedell Road to VanWagner Road then north along VanWagner Road to Bower Road then east along Bower Road to Rte. 44 east to Route 343 then along Route 343 east to the northern boundary of Town of Dover Plains and east along the northern boundary of Town of Dover Plains to Connecticut.

WAGES

NOTE:

- In the event that equipment listed below is operated by robotic control, the classification covering the operation will be the same as if manually operated.
- If a second employee is required by the employer for operation of any covered machine, they shall be an Engineer Class C

CLASS A1*: All cranes that require A NYS crane license, tower cranes**(including self erecting), hydraulic cranes, locomotive crane, piledriver, cableway, derricks, whirlies, dragline, boom trucks, cherry pickers, overhead cranes (gantry or saddle type), truck cranes

CLASS A:

Shovel, Excavators 18,001 lbs. and above(including rubber tire full swing), Gradalls, power road grader, all CMI equipment, front-end rubber tire loader, tractor-mounted drill (quarry master), mucking machine, concrete central mix plant, concrete pump, belcrete system, automated asphalt concrete plant, and tractor road paver, boom trucks 5 tons and under, maintenance engineer, self-contained crawler drill-hydraulic rock drill, Profiler/Milling machine.

CLASS B:

Excavators 18,000 lbs. and under, Backhoes (rubber tired backhoe/loader combination), bulldozer, pushcat, tractor, traxcavator, scraper, LeTourneau grader, form fine grader, self-propelled soil compactor (fill roller), asphalt roller, blacktop spreader, power brooms, sweepers, trenching machine, Barber Green loader, side booms, hydro hammer, concrete spreader, concrete finishing machine, one drum hoist, power hoisting (single drum), hoist two drum or more, three drum engine, power hoisting (two drum and over), two drum and swinging engine, three drum swinging engine, hod hoist, A-L frame winches, core and well drillers (one drum), post hole digger, model CHB Vibro-Tamp or similar machine, batch bin and plant operator, dinky locomotive, skid steer loader, track excavator 5/8 cubic yard or smaller, front end rubber tired loader under four cubic yards, vacuum machine (mounted or towed).

CLASS C:

Fork lift, high lift, all terrain fork lift: or similar, oiler, fireman and heavy-duty greaser, boilers and steam generators, pump, vibrator, motor mixer, air compressor, dust collector, welding machine, well point, mechanical heater, generators, temporary light plants, electric submersible pumps 4" and over, murphy type diesel generator, conveyor, elevators, concrete mixer, belcrete power pack (belcrete system), seeding, and mulching machines, pumps, rotating telehandler (that does not require NYS crane license).

WAGES per hour

07/01/2025

Class A1*	\$ 55.42
Class A	\$ 54.93
Class B	\$ 53.91
Class C	\$ 51.01

(*) TONNAGE RATING PREMIUMS:

Note: Additional value subject to same premiums as shown for OT

All cranes 1000 tons and over, A1 rate plus \$7.00

All cranes 800-999 tons, A1 rate plus \$6.00

All cranes 600-799 tons, A1 rate plus \$5.00

All cranes 400-599 tons, A1 rate plus \$4.00

All cranes 200-399 tons, A1 rate plus \$3.00

All cranes 111-199 tons, A1 rate plus \$2.25

All cranes 110 tons and under, A1 rate only

(**)Additional \$0.50 per hr on A1 rate for Tower Cranes (no tonnage premiums apply)

Additional \$2.50 per hr over B rate for Nuclear Leader work.

Additional \$2.50 per hour if work requires Personal Protective Equipment for hazardous waste site activities with a level C or over rating.

SUPPLEMENTAL BENEFITS

Per hour

07/01/2025

Journeyworker

\$ 33.50

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: All hours worked on designated holidays shall be paid a double the hourly rate of pay plus 8 hours of straight time.

NOTE: If a holiday falls on Sunday, it will be celebrated on Monday. If the holiday falls on Saturday, it will be celebrated on Friday.

REGISTERED APPRENTICES

Wages per hour

1000 hours terms at the following percentage of Journeyworker's wage Class B

1st	2nd	3rd	4th
60%	70%	80%	90%

Supplemental Benefits per hour worked

07/01/2025

All terms

\$ 28.80

1-158 Alb

Operating Engineer - Heavy&Highway

09/01/2025

JOB DESCRIPTION Operating Engineer - Heavy&Highway

DISTRICT 1

ENTIRE COUNTIES

Albany, Broome, Chenango, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Montgomery, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Tioga, Warren, Washington

PARTIAL COUNTIES

Dutchess: Defined as north of the northern boundary line of City of Poughkeepsie then due east to Route 115 to Bedell Road then east along Bedell Road to VanWagner Road then north along VanWagner Road to Bower Road then east along Bower Road to Rte. 44 east to Route 343 then along Route 343 east to the northern boundary of Town of Dover Plains and east along the northern boundary of Town of Dover Plains to Connecticut.

WAGES

NOTE:

--- In the event that equipment listed below is operated by robotic control, the classification covering the operation will be the same as if manually operated.

--- If a second employee is required by the employer for operation of any covered machine, they shall be an Engineer Class C

CLASSIFICATION A1*: All Cranes that require a NYS Crane License; tower cranes(including self erecting)**; hydraulic cranes, locomotive crane, piledriver, cableway, derricks, whirlies, dragline, boom trucks, cherry pickers, overhead cranes (gantry or saddle type), truck cranes

CLASSIFICATION A:

Asphalt Curb Machine (Self Propelled, Slipform), Asphalt Paver, Automated Concrete Spreader (CMI Type), Automatic Fine Grader, Backhoe (Except Tractor Mounted, Rubber Tired), Backhoe Excavator Full Swing (CAT 212 or similar type), Back Filling Machine, Belt Placer (CMI Type), Blacktop Plant (Automated), Blacktop Roller, Boom truck, GPS operated Bull Dozer, Cableway, Caisson Auger, Central Mix Concrete Plant (Automated), Concrete Curb Machine (Self Propelled, Slipform), Concrete Pump, Crane, Cherry Picker, Derricks (steel erection), Dragline, Overhead Crane (Gantry or Straddle type), Pile Driver, Truck Crane, Directional Drilling Machine, Dredge, Dual Drum Paver, Excavator (All Purpose Hydraulically Operated) (Gradall or Similar), Front End Loader (4 cu. yd. and Over), Head Tower (Sauerman or Equal), Hoist (Two or Three Drum), Holland Loader, Maintenance Engineer, Mine Hoist, Mucking Machine or Mole, PB-4 and similar type, Power Grader, Profiler/Milling Machine (over 105 H.P.), Quad 9, Quarry Master (or equivalent), Rotating Telehandler, Scraper (Including Challenger Type), Shovel, Side Boom, Slip Form Paver (If a second man is needed, he shall be an Oiler), Tractor Drawn BeltType Loader, Truck or Trailer Mounted Log Chipper (Self Feeder), Tug Operator (Manned Rented Equipment Excluded), Tunnel Shovel

CLASSIFICATION B:

Backhoe (Tractor Mounted, Rubber Tired), Bituminous Recycler Machine, Bituminous Spreader and Mixer, Blacktop Plant (Non-Automated), Blast or Rotary Drill (Truck or Tractor Mounted), Brokk, Boring Machine, Cage Hoist, Central Mix Plant [(Non-Automated) and All Concrete Batching Plants], Concrete Paver (Over 16S), Crawler Drill (Self-contained), Crusher, Diesel Power Unit, Drill Rigs, Tractor Mounted, Front End Loader (Under 4 cu. yd.), Greaseman/Lubrication Engineer, Hi Pressure Boiler (15 lbs. and over), Hoist (One Drum), Hydro-Axe, Kolman Plant Loader and Similar Type Loaders (If Employer requires another man to clean the screen or to maintain the equipment, he shall be an Oiler), L.C.M. Work Boat Operator, Locomotive, Material handling knuckle boom, Mini Excavator (under 18,000 lbs.), Mixer (for stabilized base self-propelled), Monorail Machine, Plant Engineer, Prentice Loader, Profiler/Milling Machine (105 H.P. and under), Pug Mill, Pump Crete, Ready Mix Concrete Plant, Refrigeration Equipment (for soil stabilization), Road Widener, Roller (all above subgrade), Sea Mule, Self-contained Ride-on Rock Drill(Excluding Air-Track Type Drill), Skidder, Tractor with Dozer and/or Pusher, Trencher, Tugger Hoist, Vacuum machine (mounted or towed), Vermeer saw (ride on, any size or type), Welder, Winch, Winch Cat

CLASSIFICATION C:

A Frame Winch Hoist on Truck, Articulated Heavy Hauler, Aggregate Plant, Asphalt or Concrete Grooving Machine (ride on), Ballast Regulator(Ride-on), Boiler (used in conjunction with production), Bituminous Heater (self-propelled), Boat (powered), Cement and Bin Operator, Concrete Pavement Spreader and Finisher Concrete Paver or Mixer (16' and under), Concrete Saw (self-propelled), Conveyor, Deck Hand, Directional Drill Machine Locator, Drill (Core and Well), Farm Tractor with accessories, Fine Grade Machine, Fireman, Fork Lift, Form Tamper, Grout Pump, Gunit Machine, Hammers (Hydraulic self-propelled), Hydra-Spiker (ride-on), Hydraulic Pump (jacking system), Hydro-Blaster (Water), Mulching Machine, Oiler, Parapet Concrete or Pavement Grinder, Post Hole Digger and Post Driver, Power Broom (towed), Power Heaterman, Power Sweeper, Revinus Widener, Roller (Grade and Fill), Scarifier (ride-on), Shell Winder, Skid steer loader (Bobcat or similar; including all attachments), Span-Saw (ride-on), Steam Cleaner, Tamper (ride-on), Tie Extractor (ride-on), Tie Handler (ride-on), Tie Insertter (ride-on), Tie Spacer (ride-on), Tire Repair, Track Liner (ride-on), Tractor, Tractor (with towed accessories), Vibratory Compactor, Vibro Tamp, Well Point, and the following hands-off equipment: Compressors, Dust Collectors, Generators, Pumps, Welding Machines, Light Plants and Heaters

WAGES per hour

07/01/2025

Class A1*	\$ 60.30
Class A	57.30
Class B	56.39
Class C	53.82

(*) TONNAGE RATING PREMIUMS:

Cranes over 1000 tons, A1 rate plus \$7.00
Cranes from 800-999 tons, A1 rate plus \$6.00
Cranes from 600-799 tons, A1 rate plus \$5.00
Cranes from 400-599 tons, A1 rate plus \$4.00
Cranes from 200-399 tons, A1 rate plus \$3.00
Cranes from 111-199 tons, A1 rate plus \$2.00
Cranes from 65-110 tons, A1 rate plus \$1.50
Cranes from 0-64 Tons, A1 rate only

NOTE: Additional value subject to same premiums as shown for OT

() Tower Cranes, A1 rate plus \$3.00 (no tonnage premiums apply)**

-- Cranes in Luffer Configuration, A1 rate plus \$5.00
-- Cranes with external ballast (tray or wagon), A1 rate plus \$5.00
NOTE: Additional value subject to same premiums as shown for OT

Additional \$2.50 per hr. for hazardous waste removal work on State and/or Federally designated waste site which require employees to wear Level C or above forms of personal protection.

SHIFT WORK

Additional \$2.50 per hour for All Employees who work a single irregular work shift, of at least 5 consecutive days, starting from 5:00 PM to 1:00 AM that is mandated by the Contracting Agency.

SUPPLEMENTAL BENEFITS

Per hour

07/01/2025

Journeyworker \$ 33.70

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: If the holiday falls on Sunday, it will be observed on Monday. If the observed Monday Holiday is worked, pay shall be double time plus Holiday pay for time worked. If the Holiday falls on a Saturday and is worked pay shall be double time plus Holiday pay for time worked. If the Holiday falls on a Saturday employer can choose to observe the paid holiday Saturday or give Friday off with holiday pay.

REGISTERED APPRENTICES

Wages per hour

1000 hours terms at the following percentage of Journeyworker's wage Class B

1st	2nd	3rd	4th
60%	70%	80%	90%

Supplemental Benefits per hour worked

07/01/2025

All Terms \$ 28.30

1-158H/H Alb

Operating Engineer - Marine Dredging

09/01/2025

JOB DESCRIPTION Operating Engineer - Marine Dredging

DISTRICT 4

ENTIRE COUNTIES

Albany, Bronx, Cayuga, Clinton, Columbia, Dutchess, Essex, Franklin, Greene, Jefferson, Kings, Monroe, Nassau, New York, Orange, Oswego, Putnam, Queens, Rensselaer, Richmond, Rockland, St. Lawrence, Suffolk, Ulster, Washington, Wayne, Westchester

WAGES

These wage rates do not apply to Operating Engineers on land-based construction projects. For those projects, refer to the Operating Engineers Heavy/Highway rates. The wage rates listed below apply specifically to all equipment and operators involved in marine dredging work within navigable waters located in the counties listed above.

Per Hour:	07/01/2025	10/01/2025
CLASS A1 Deck Captain, Leverman, Mechanical Dredge Operator, Licensed Tug Operator with MOTV	\$ 47.07	\$ 48.48
CLASS A2 Crane Operator (360 swing)	41.94	43.20
CLASS B Dozer, Front Loader Operator (On Land)	To conform to Operating Engineer Prevailing Wage in locality where work is being performed including benefits.	
CLASS B1 Derrick Operator (180 swing), Spider/Spill Barge Operator I/II, Fill Placer, Engineer, Chief Mate, Electrician, Chief Welder, Maintenance Engineer, Licensed Boat, Crew Boat Operator	40.71	41.93
CLASS B2 Certified Welder	38.31	39.46
CLASS C1 Drag Barge Operator, Steward, Mate, Assistant Fill Placer	37.26	38.38
CLASS C2	36.07	37.15

Boat Operator

CLASS D	29.96	30.86
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Shoreman, Deckhand, Oiler,
Rodman, Scowman, Cook,
Messman, Porter/Janitor

SUPPLEMENTAL BENEFITS

Per Hour:

THE FOLLOWING SUPPLEMENTAL BENEFITS APPLY TO ALL CATEGORIES

All Classes: 7% of Hourly Straight time wage + \$12.00.

Additional \$0.63 per hour for Overtime hours

OVERTIME PAY

See (B2, F, R) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6, 8, 15, 26) on HOLIDAY PAGE

4-25a-MarDredge

Operating Engineer - Survey Crew

09/01/2025

JOB DESCRIPTION Operating Engineer - Survey Crew

DISTRICT 12

ENTIRE COUNTIES

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

PARTIAL COUNTIES

Dutchess: The northern portion of the county from the northern boundary line of the City of Poughkeepsie, north.

Genesee: Only the portion of the county that lies east of a line down the center of Route 98 to include all area that lies within the City of Batavia.

WAGES

These rates apply to Building, Tunnel and Heavy Highway.

Per hour:

SURVEY CLASSIFICATIONS:

Party Chief - One who directs a survey party.

Instrument Person - One who operates the surveying instruments.

Rod Person - One who holds the rods and assists the Instrument Person.

07/01/2025

Party Chief	\$ 52.91
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Instrument Person	48.67
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Rod Person	36.29
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Additional \$3.00/hr. for Tunnel Work

Additional \$2.50/hr. for Hazardous Work Site

SUPPLEMENTAL BENEFITS

Per hour worked:

Journeyman	\$ 30.10
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OVERTIME PAY

See (B, E, P, *X) on OVERTIME PAGE

*Note: \$25.10/Hr. Only for "ALL" premium hours paid when worked.

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES: 1000 hour terms based on the Percentage of Rod Persons Wage:

07/01/2025

0-1000	60%
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1001-2000	70%
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2001-3000	80%
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SUPPLEMENTAL BENEFIT per hour worked:

0-1000	\$ 21.88 / PHP \$18.03
1001-2000	24.90 / " 20.45
2001-3000	27.93/ " 22.93

NOTE: PHP is premium hours paid when worked.

12-158-545 D.H.H.

Operating Engineer - Survey Crew - Consulting Engineer

09/01/2025

JOB DESCRIPTION Operating Engineer - Survey Crew - Consulting Engineer

DISTRICT 12

ENTIRE COUNTIES

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuylar, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

PARTIAL COUNTIES

Dutchess: The northern portion of the county from the northern boundary line of the City of Poughkeepsie, north.

Genesee: Only the portion of the county that lies east of a line down the center of Route 98 to include all area that lies within the City of Batavia.

WAGES

These rates apply to feasibility and preliminary design surveying, line and grade surveying for inspection or supervision of construction when performed under a Consulting Engineer Agreement.

Per hour:

SURVEY CLASSIFICATIONS:

Party Chief - One who directs a survey party.

Instrument Person - One who operates the surveying instruments.

Rod Person - One who holds the rods and assists the Instrument Person.

07/01/2025

Party Chief	\$ 52.91
Instrument Person	48.67
Rod Person	36.29

Additional \$3.00/hr. for Tunnel Work.

Additional \$2.50/hr. for EPA or DEC certified toxic or hazardous waste work.

SUPPLEMENTAL BENEFITS

Per hour worked:

Journeyman	\$ 30.10
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OVERTIME PAY

See (B, E, Q, *X) on OVERTIME PAGE

*Note: \$25.10/Hr. Only for "ALL" premium hours paid when worked.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES: 1000 hour terms based on percentage of Rod Persons Wage:

07/01/2025

0-1000	60%
1001-2000	70%
2001-3000	80%

SUPPLEMENTAL BENEFIT per hour worked:

0-1000	\$ 21.88 / PHP \$18.03
1001-2000	\$ 24.90 / " 20.45
2001-3000	\$ 27.93 / " 22.93

NOTE: PHP is premium hours paid when worked.

12-158-545 DCE

Operating Engineer - Tunnel

09/01/2025

JOB DESCRIPTION Operating Engineer - Tunnel

DISTRICT 7

ENTIRE COUNTIES

Albany, Allegany, Broome, Cayuga, Chemung, Chenango, Clinton, Columbia, Cortland, Essex, Franklin, Fulton, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Oneida, Onondaga, Ontario, Oswego, Otsego, Rensselaer, Saratoga, Schenectady, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Warren, Washington, Wayne, Yates

PARTIAL COUNTIES

Dutchess: Northern part of Dutchess, to the northern boundary line of the City of Poughkeepie, then due east to Route 115 to Bedell Road, then east along Bedell Road to VanWagner Road, then north along VanWagner Road to Bower Road, then east along Bower Road to Rte. 44 east to Rte. 343, then along Rte. 343 east to the northern boundary of the Town of Dover Plains and east along the northern boundary of the Town of Dover Plains, to the borderline of the State of Connecticut.

Genesee: Only that portion of the county that lies east of a line drawn down the center of Route 98 and the entirety of the City of Batavia.

WAGES

CLASS A: Automatic Concrete Spreader (CMI Type); Automatic Fine Grader; Backhoe (except tractor mounted, rubber tired); Belt Placer (CMI Type); Blacktop Plant (automated); Cableway; Caisson Auger; Central Mix Concrete Plant (automated); Concrete Curb Machine (self-propelled slipform); Concrete Pump (8" or over); Dredge; Dual Drum Paver; Excavator; Front End Loader (4 cu. yd & over); Gradall; Head Tower (Sauerman or Equal); Hoist (shaft); Hoist (two or three Drum); Log Chipper/Loader (self-feeder); Maintenance Engineer (shaft and tunnel); any Mechanical Shaft Drill; Mine Hoist; Mining Machine(Mole and similar types); Mucking Machine or Mole; Overhead Crane (Gantry or Straddle Type); Pile Driver; Power Grader; Remote Controlled Mole or Tunnel Machine; Scraper; Shovel; Side Boom; Slip Form Paver (If a second man is needed, they shall be an Oiler); Tripper/Maintenance Engineer (shaft & tunnel); Tractor Drawn Belt-Type Loader; Tug Operator (manned rented equipment excluded); Tunnel Shovel.

CLASS B: Automated Central Mix Concrete Plant; Backhoe (topside); Backhoe (track mounted, rubber tired); Backhoe (topside); Bituminous Spreader and Mixer, Blacktop Plant (non-automated); Blast or Rotary Drill (truck or tractor mounted); Boring Machine; Cage Hoist; Central Mix Plant(non-automated); all Concrete Batching Plants; Compressors (4 or less exceeding 2,000 c.f.m. combined capacity); Concrete Pump; Crusher; Diesel Power Unit; Drill Rigs (tractor mounted); Front End Loader (under 4 cu. yd.); Grayco Epoxy Machine; Hoist (One Drum); Hoist (2 or 3 drum topside); Knuckle Boom material handler; Kolman Plant Loader & similar type Loaders (if employer requires another person to clean the screen or to maintain the equipment, they shall be an Oiler); L.C.M. Work Boat Operator; Locomotive; Maintenance Engineer (topside); Maintenance Grease Man; Mixer (for stabilized base-self-propelled); Monorail Machine; Plant Engineer; Personnel Hoist; Pump Crete; Ready Mix Concrete Plant; Refrigeration Equipment (for soil stabilization); Road Widener; Roller (all above sub-grade); Sea Mule; Shotcrete Machine; Shovel (topside); Tractor with Dozer and/or Pusher; Trencher; Tugger Hoist; Tunnel Locomotive; Vacuum Machine (mounted or towed); Welder; Winch; Winch Cat.

CLASS C: A Frame Truck; All Terrain Telescoping Material Handler; Ballast Regulator (ride-on); Compressors (4 not to exceed 2,000 c.f.m. combined capacity; or 3 or less with more than 1200 c.f.m. but not to exceed 2,000 c.f.m.); Compressors ((any size, but subject to other provisions for compressors), Dust Collectors, Generators, Pumps, Welding Machines, Light Plants (4 or any type combination)); Concrete Pavement Spreaders and Finishers; Conveyor; Drill (core); Drill (well); Electric Pump used in conjunction with Well Point System; Farm Tractor with Accessories; Fine Grade Machine; Fork Lift; Grout Pump (over 5 cu. ft.); Guniting Machine; Hammers (hydraulic-self-propelled); Hydra-Spiker (ride-on); Hydra-Blaster (water); Hydro-Blaster; Motorized Form Carrier; Post Hole Digger and Post Driver; Power Sweeper; Roller grade & fill); Scarifier (ride-on); Span-Saw (ride-on); Submersible Electric Pump (when used in lieu of well points); Tamper (ride-on); Tie-Extractor (ride-on), Tie Handler (ride-on), Tie Insertor (ride-on), Tie Spacer (ride-on); Track Liner (ride-on); Tractor with towed accessories; Vibratory Compactor; Vibro Tamp, Well Point.

CLASS D: Aggregate Plant; Cement & Bin Operator; Compressors (3 or less not to exceed 1,200 c.f.m. combined capacity); Compressors ((any size, but subject to other provisions for compressors), Dust Collectors, Generators, Pumps, Welding Machines, Light Plants (3 or less or any type or combination)); Concrete Saw (self-propelled); Form Tamper; Greaseman; Hydraulic Pump (jacking system); Junior Engineer; Light Plants; Mulching Machine; Oiler; Parapet Concrete or Pavement Grinder; Power Broom (towed); Power Heaterman (when used for production); Revinus Widener; Shell Winder; Steam Cleaner; Tractor.

Per hour: 07/01/2025

CLASS A	\$ 58.44
CLASS B	57.22
CLASS C	54.43
CLASS D	51.42

Additional \$5.00 per hour for Hazardous Waste Work on a state or federally designated hazardous waste site where the Operating Engineer is in direct contact with hazardous material and when personal protective equipment is required for respiratory, skin and eye protection.

CRANES:

Crane 1: All cranes, including self-erecting.

Crane 2: All Lattice Boom Cranes and all cranes with a manufacturer's rating of fifty (50) ton and over.

Crane 3: All hydraulic cranes and derricks with a manufacturer's rating of forty nine (49) ton and below, including boom trucks.

Crane 1	\$ 62.44
Crane 2	61.44

Crane 3 60.44

SUPPLEMENTAL BENEFITS

Per hour:

\$ 25.90
+ 10.10*

* This portion of the benefits subject to SAME PREMIUM as shown for overtime wages.

OVERTIME PAY

See (B, B2, E, Q, X) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: If a holiday falls on Sunday, it shall be observed on Monday.

REGISTERED APPRENTICES

WAGES:(1000) hours terms at the following percentage of Journeyworker's Class B wage.

1st term	60%
2nd term	65%
3rd term	70%
4th term	75%

SUPPLEMENTAL BENEFITS per hour: Same as Journeyworker

7-158-832TL.

Painter

09/01/2025

JOB DESCRIPTION Painter

DISTRICT 1

ENTIRE COUNTIES

Albany, Clinton, Essex, Franklin, Fulton, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

Per hour

	07/01/2025	05/01/2026
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Painter\Wallcovers	\$ 33.50**	+ \$ 1.55***
Drywall Finishers	33.50**	
Spray Rate	33.50**	
Structural Steel*	34.50**	
Lead Abatement	34.50**	
Lead Abatement on		
Structural Steel	35.50**	

(*)Employees working on objects with the use of swing stage, boatswain chair, pick and cables only will be paid at Structural Steel rate.

(**) Plus Additional \$1.30 per hour not subject to Overtime/Premiums

(***)Plus Additional \$1.35 per hour not subject to Overtime/Premiums

Bridge Painter

See Bridge Painter rates for the following work:

All Bridges and Tanks

SHIFT WORK

THE FOLLOWING ADDITIONAL HOURLY RATE WILL APPLY ON ALL CONTRACTING AGENCY MANDATED SHIFT(S) OR SINGULAR IRREGULAR SHIFT WHEN THE SHIFT STARTS BETWEEN THE HOURS LISTED BELOW:

2:30 PM to 6:00 AM	PLUS \$1.00 to the applicable rate, and this is not subject to overtime
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SUPPLEMENTAL BENEFITS

Per hour

Journeyworker \$ 20.60

OVERTIME PAY

See (B, E2, H) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: If the holiday falls on Sunday, it shall be observed on Monday.

REGISTERED APPRENTICES

Wages per hour

1000 hour terms at the following percentage of Journeyworker's base wage

Apprentice rate is calculated on the rate before the \$1.30 is added, then add the \$1.30

1st	2nd	3rd	4th	5th	6th
45%	50%	60%	70%	80%	90%

Supplemental Benefits per hour

All Terms \$ 20.60

1-201-P

Painter - Bridge & Structural Steel

09/01/2025

JOB DESCRIPTION Painter - Bridge & Structural Steel

DISTRICT 8

ENTIRE COUNTIES

Albany, Bronx, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Kings, Montgomery, Nassau, New York, Orange, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per Hour:

STEEL:

Bridge Painting:	07/01/2025	10/01/2025
	\$ 56.25	Additional
	+ 11.10*	\$3.17**

ADDITIONAL \$7.00 per hour for POWER TOOL/SPRAY, whether straight time or overtime.

NOTE: All premium wages are to be calculated on base rate per hour only.

* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (50 hour cap).

** To be allocated a later date

NOTE: Generally, for Bridge Painting Contracts, ALL WORKERS on and off the bridge (including Flagmen) are to be paid Painter's Rate; the contract must be ONLY for Bridge Painting.

SHIFT WORK

When directly specified in public agency or authority contract documents for an employer to work a second shift and works the second shift with employees other than from the first shift, all employees who work the second shift will be paid 10% of the base wage shift differential in lieu of overtime for the first eight (8) hours worked after which the employees shall be paid at time and one half of the regular wage rate.

When a single irregular work shift is mandated in the job specifications or by the contracting agency, wages shall be paid at time and one half for single shifts between the hours of 3pm-11pm or 11pm-7am.

SUPPLEMENTAL BENEFITS

Per Hour:

Journeyworker:	\$ 13.33
	+ 30.76*

* For the period of May 1st to November 15th, this amount is payable up to 40 hours. For the period of Nov 16th to April 30th, this amount is payable up to 50 hours. EXCEPTION: First and last week of employment, and for the weeks of Memorial Day, Independence Day and Labor Day, where the amount is paid for the actual number of hours worked (50 hour cap).

OVERTIME PAY

See (B, F, R) on OVERTIME PAGE

HOLIDAY

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (4, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wage - Per hour:

Apprentices: (1) year terms.

1st year \$ 22.50

	+ 4.44
2nd year	\$ 33.75 + 6.63
3rd year	\$ 45.00 + 8.88
Supplemental Benefits - Per hour:	
1st year	\$ 1.52 + 12.51
2nd year	\$ 8.00 + 18.47
3rd year	\$ 10.66 + 24.62

NOTE: All premium wages are to be calculated on base rate per hour only.

8-DC-9/806/155-BrSS

Painter - Line Striping	09/01/2025
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JOB DESCRIPTION Painter - Line Striping

DISTRICT 8

ENTIRE COUNTIES

Albany, Clinton, Columbia, Dutchess, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Nassau, Orange, Putnam, Rensselaer, Rockland, Saratoga, Schenectady, Schoharie, Suffolk, Sullivan, Ulster, Warren, Washington, Westchester

WAGES

Per hour:

Painter (Striping-Highway):	07/01/2025	04/01/2026
Striping-Machine Operator*	\$ 35.49	\$ 36.93
Linerman Thermoplastic	42.74	44.44

Note: * Includes but is not limited to: Positioning of cones and directing of traffic using hand held devices. Excludes the Driver/Operator of equipment used in the maintenance and protection of traffic safety.

SHIFT WORK

When directly specified in public agency or authority contract documents there shall be a 30% night shift premium pay differential for all work performed after 9:00pm and before 5:00am.

SUPPLEMENTAL BENEFITS

Per hour paid:

Journeyworker:		
Striping Machine Operator:	\$24.30	\$ 24.95
Linerman Thermoplastic:	24.30	24.95

OVERTIME PAY

See (B, B2, E2, F, S) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 20) on HOLIDAY PAGE
Overtime: See (5, 20) on HOLIDAY PAGE

REGISTERED APPRENTICES

One (1) year terms at the following wage rates:

	07/01/2025	01/01/2026	04/01/2026
1st Term:	\$ 16.50	\$ 17.00	\$ 17.00
2nd Term:	21.29	20.47	22.16
3rd Term:	28.39	27.30	29.54

Supplemental Benefits per hour:

All terms:	\$ 24.30	\$ 24.30	\$ 24.95
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8-1456-LS

Painter - Metal Polisher

09/01/2025

JOB DESCRIPTION Painter - Metal Polisher

DISTRICT 8

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuylar, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

	07/01/2025
Metal Polisher	\$ 40.33
Metal Polisher*	41.43
Metal Polisher**	44.33

*Note: Applies on New Construction & complete renovation

** Note: Applies when working on scaffolds over 34 feet.

SUPPLEMENTAL BENEFITS

Per Hour: 07/01/2025

Journeyworker:

All classification \$ 13.44

OVERTIME PAY

See (B, E, P, T) on OVERTIME PAGE

HOLIDAY

Paid: See (5, 6, 11, 15, 16, 25, 26) on HOLIDAY PAGE

Overtime: See (5, 6, 11, 15, 16, 25, 26) on HOLIDAY PAGE

REGISTERED APPRENTICES

Wages per hour:

One (1) year term at the following wage rates:

	07/01/2025
1st year	\$ 20.17
2nd year	22.18
3rd year	24.20
1st year*	\$ 20.56
2nd year*	22.62
3rd year*	24.74
1st year**	\$ 22.67
2nd year**	24.68
3rd year**	26.70

*Note: Applies on New Construction & complete renovation

** Note: Applies when working on scaffolds over 34 feet.

Supplemental benefits:

Per hour:

1st year	\$ 8.94
2nd year	8.94
3rd year	8.94

8-8A/28A-MP

Plumber

09/01/2025

JOB DESCRIPTION Plumber

DISTRICT 6

ENTIRE COUNTIES

Jefferson, St. Lawrence

PARTIAL COUNTIES

Franklin: Only the Village of Hogsburg and the St. Regis Indian Reservation.

Lewis: Entire County with the exception of the Townships of Lyonsdale, West Turin, Leyden and Lewis.

WAGES

Per hour: 07/01/2025 05/01/2026

Plumber, Steamfitter, Pipefitter, Welder, HVAC, Refrigeration.	\$ 42.82	Additional \$ 4.75*
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* To be allocated at a later date.

SHIFT WORK

SINGLE IRREGULAR WORK SHIFT: Additional 15% premium added to the wages above for a single irregular work shift beginning between 3:30P and 7:00A.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker	\$ 30.31*
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*NOTE: \$ 18.56 of the supplemental benefits are paid at the same premium as shown for the overtime work performed at the energy producing facilities whose primary function is the sale of power or the production of fuel. This also includes semi-conductor manufacturer and/or fabrication plants.

OVERTIME PAY

Time and one half for the 9th & 10th hours Monday thru Friday and first 10 hours on Saturday. All other overtime hours are double time.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: When a holiday falls on a Saturday, the holiday will be observed on the preceding Friday. If a holiday falls on a Sunday, the holiday will be observed on the following Monday.

REGISTERED APPRENTICES

WAGES per hour: One year terms at the following percentage of Journeyworker's wage.

1st	2nd	3rd	4th	5th
55%	60%	70%	75%	85%

SUPPLEMENTAL BENEFITS per hour*:

1st	\$ 21.04
2nd	25.67
3rd	28.46
4th/5th	30.31

*NOTE: Below is the portion of supplemental benefits paid at overtime premium for work performed at energy producing facilities whose primary function is the sale of power or the production of fuel. This also includes semi-conductor manufacturer and/or fabrication plants.

1st	\$ 9.29
2nd	13.92
3rd	16.71
4th/5th	18.56

6-81Wtr

Plumber

09/01/2025

JOB DESCRIPTION Plumber

DISTRICT 1

ENTIRE COUNTIES

Essex

PARTIAL COUNTIES

Franklin: Entire County except for the Village of Hogansburg and the St. Regis Indian Reservation.

Hamilton: The Townships of Long Lake and Indian Lake

WAGES

Per hour

07/01/2025

Plumber & Steamfitter	\$ 45.88
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SUPPLEMENTAL BENEFITS

Per hour

Journeyworker	\$ 33.80
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OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (22) on HOLIDAY PAGE

Overtime: See (5, 6, 23) on HOLIDAY PAGE

Note: For the paid Christmas Holiday the employee must have worked 20 regular working days in the calendar year with contractor to qualify

Note: Whenever a Holiday falls on a Saturday, the preceding day, Friday, shall be observed as the Holiday. If a Holiday falls on a Sunday, the following day, Monday shall be observed as the Holiday.

REGISTERED APPRENTICES

Wages per hour

One year terms at the following percentage of Journeyperson's wage

1st yr	50%
2nd yr	60%
3rd yr	70%
4th yr	80%
5th yr	90%

Supplemental Benefits per hour worked

1st yr	\$ 24.93
2nd yr	26.70
3rd yr	28.48
4th yr	30.25
5th yr	32.03

1-773EF-SF

Roofer

09/01/2025

JOB DESCRIPTION Roofer

DISTRICT 6

ENTIRE COUNTIES

Cayuga, Cortland, Franklin, Herkimer, Jefferson, Lewis, Madison, Oneida, Onondaga, Oswego, Seneca, St. Lawrence

WAGES

Per hour:	07/01/2025	06/01/2026	06/01/2027
		Additional	Additional
Roofer, Waterproofer	\$ 35.80	\$ 2.00*	\$ 2.00*

* To be allocated at a later date.

NOTE - Does not include metal roof flashings, gravel stop, or metal roofing; See Sheetmetal Worker wage schedule.

Additional per hour:

Green Roofing**	\$ 0.25
Pitch Removal & Appl.	1.50
Asbestos Abatement	1.50

** Green Roofing is any component of green technology or living roof above the roof membrane including, but not limited to, the fabric, dirt and plantings.

SHIFT WORK

WHEN MANDATED BY THE OWNER OR CONTRACTING AGENCY, THERE IS AN ADDITIONAL PREMIUM OF \$4.00/HR FOR HOURS WORKED BEFORE 5:30AM AND AFTER 5:30PM.

SUPPLEMENTAL BENEFITS

Per hour:	
Journeyworker	\$ 26.30

Additional contribution on any Asbestos Abatement work	0.75
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OVERTIME PAY

See (B, E, E2*, Q) on OVERTIME PAGE

*NOTE - If a holiday falls in that week and 32 hours were worked, Saturday will be paid at 1 1/2 times the rate.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: When any of these holidays falls on Sunday, the following day shall be observed as a holiday.

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following percentage of the Journeyworker's wage:

1st term (0 to 999)	65%
2nd term (1000 to 1999)	70%
3rd term (2000 to 2999)	75%
4th term (3000 to 3999)	85%

Additional per hour:	
Green Roofing**	\$ 0.25
Pitch Removal & Appl.	1.50
Asbestos Abatement	1.50

SUPPLEMENTAL BENEFITS per hour:

1st term	\$ 19.93
2nd term	21.85
3rd term	25.30
4th term	26.30

Additional contribution on any Asbestos Abatement work	\$ 0.75
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6-195

Sheetmetal Worker

09/01/2025

JOB DESCRIPTION Sheetmetal Worker

DISTRICT 1

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

Per hour

07/01/2025

Sheetmetal Worker	\$ 42.43
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All work requiring HAZWOPER Training additional \$1.00 per hour.

SHIFT WORK

Work performed on 2nd or 3rd shift will be paid an additional 10% added to the wage

SUPPLEMENTAL BENEFITS

Per hour

Journeyworker	\$ 37.86
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OVERTIME PAY

See (B,E,E5,Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

When any holiday falls on Saturday, the Friday before such holiday shall be recognized as the legal holiday. Any holiday falling on Sunday, the following Monday shall be recognized as the legal holiday.

REGISTERED APPRENTICES

Wages per hour

6 Month Terms at the following rate:

1A term	\$ 23.75
1B term	25.68
2A term	26.65
2B term	27.62
3A term	28.12
3B term	29.09
4A term	29.70

4B term	31.82
5A term	33.94
5B term	36.07

Supplemental Benefits per hour

1A term	\$ 23.48
1B term	24.24
2A term	24.56
2B term	24.87
3A term	30.82
3B term	31.58
4A term	33.30
4B term	34.08
5A term	34.85
5B term	35.62

1-83

Sprinkler Fitter

09/01/2025

JOB DESCRIPTION Sprinkler Fitter

DISTRICT 1

ENTIRE COUNTIES

Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Washington, Wayne, Wyoming, Yates

WAGES

Per hour 07/01/2025

Sprinkler \$ 45.06
Fitter

SUPPLEMENTAL BENEFITS

Per hour

Journeyworker \$ 29.41

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE

Overtime: See (5, 6) on HOLIDAY PAGE

Note: When a holiday falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double time rate. When a holiday falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double time rate.

REGISTERED APPRENTICES

Wages per hour

One Half Year terms at the following wage.

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 23.28	\$ 25.98	\$ 28.15	\$ 30.31	\$ 31.94	\$ 34.64	\$ 36.81	\$ 38.97	\$ 41.14	\$ 43.30

Supplemental Benefits per hour

1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
\$ 9.57	\$ 9.57	\$ 21.49	\$ 21.49	\$ 21.74	\$ 21.74	\$ 21.74	\$ 21.74	\$ 21.74	\$ 21.74

1-669

Teamster - Building

09/01/2025

JOB DESCRIPTION Teamster - Building

DISTRICT 7

ENTIRE COUNTIES

Clinton, Essex, Franklin, Jefferson, St. Lawrence

PARTIAL COUNTIES

Lewis: Only the Townships of Croghan, Denmark, Diana, New Bremen, Harrisburg, Montague, Osceola and Pinckney.

Oswego: Only the Towns of Boyston, Redfield, and Sandy Creek.

Warren: Only the Townships of Hague, Horicon, Chester and Johnsburg.

WAGES

GROUP #1: Fuel Trucks, Fork Lift* (Warehouse Area Only), Warehouse*, Yardman*, Truck Helper, Pickups, Panel Truck, Flatbody Material Trucks (straight jobs), Single axle Dump Trucks, Dumpsters, Material Checkers/Receivers*, Greasers, Tiremen, Mechanic Helpers/Parts Chasers, Bus.

GROUP #2: Tandems, Mechanics & Batch Trucks.

GROUP #3: Semi Trailers, Low Boys, Asphalt Distributor Trucks, and Agitator Mixer Truck, Dump Crete Type Vehicles and 3 axle Dump trucks.

GROUP #4: Asbestos Removal, Special earth moving Euclid type or similar off highway equip.(non self load.) Articulated and all-track dump trucks.

*NOTE - Applies when a temporary warehouse structure is built/utilized specifically for a public work project.

Per hour: 07/01/2025

GROUP #1	\$ 30.72
GROUP #2	31.72
GROUP #3	31.82
GROUP #4	30.98

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 23.34

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

7-687B

Teamster - Heavy&Highway

09/01/2025

JOB DESCRIPTION Teamster - Heavy&Highway

DISTRICT 7

ENTIRE COUNTIES

Clinton, Essex, Franklin, Jefferson, St. Lawrence

PARTIAL COUNTIES

Lewis: Only the Townships of Croghan, Denmark, Diana, New Bremen,Harrisburg, Montague, Osceola and Pinckney.

Oswego: Only the Towns of Boylston, Redfield, and Sandy Creek.

Warren: Only the Townships of Hague, Horicon, Chester and Johnsburg.

WAGES

GROUP #1: Warehousemen*, Yardmen*, Truck Helpers, Pickups, Panel Trucks, Flatboy Material Trucks(straight jobs), Single Axle Dump Trucks, Dumpsters, Material Checkers/Receivers*, Greasers, Truck Tiremen, Mechanics Helpers/Parts Chasers, Fork Lift* (Warehouse Area Only), Tandems and Batch Trucks, Mechanics. Semi-Trailers, Low-Boy Trucks, Asphalt Distributor Trucks, and Agitator, Mixer Trucks and Dumpcrete type vehicles, Truck Mechanic, Fuel Truck.

GROUP #2: Specialized Earth Moving Equipment, Euclid type, or similar off-highway where not self-loading, Straddle (Ross) Carrier, and self-contained concrete mobile truck. Off-highway Tandem Back-Dump, Twin Engine Equipment and Double-Hitched Equipment where not self-loading.

*NOTE - Applies when a temporary warehouse structure is built/utilized specifically for a public work project.

Per hour: 07/01/2025

GROUP #1	\$ 32.78
GROUP #2	33.00

Additional \$1.50 per hour for hazardous waste removal work on a City, County, State and/or Federal Designated waste site and regulations require employee to use or wear respiratory protection.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 25.72

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

NOTE: If a holiday falls on a Sunday, it will be celebrated on Monday.

7-687

Welder

09/01/2025

JOB DESCRIPTION Welder

DISTRICT 1

ENTIRE COUNTIES

Albany, Allegany, Bronx, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Dutchess, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Kings, Lewis, Livingston, Madison, Monroe, Montgomery, Nassau, New York, Niagara, Oneida, Onondaga, Ontario, Orange, Orleans, Oswego, Otsego, Putnam, Queens, Rensselaer, Richmond, Rockland, Saratoga, Schenectady, Schoharie, Schuylar, Seneca, St. Lawrence, Steuben, Suffolk, Sullivan, Tioga, Tompkins, Ulster, Warren, Washington, Wayne, Westchester, Wyoming, Yates

WAGES

Per hour 07/01/2025

Welder: To be paid the same rate of the mechanic performing the work.*

*EXCEPTION: If a specific welder certification is required, then the 'Certified Welder' rate in that trade tag will be paid.

OVERTIME PAY

HOLIDAY

1-As Per Trade

Franklin County Residential

Electrician - Residential

09/01/2025

JOB DESCRIPTION Electrician - Residential

DISTRICT 6

ENTIRE COUNTIES

Clinton, Essex, Franklin, Jefferson, Lewis, St. Lawrence

WAGES

NOTE: These rates apply only to projects involving construction, alteration or repair of single-family houses or apartment buildings of no more than four (4) stories in height, including all incidental items such as site work, parking areas, utilities, and sidewalks.

Per hour: 07/01/2025
Residential-Rehab
Electrician \$ 28.28

SHIFT WORK

THE FOLLOWING RATES WILL APPLY WHEN SHIFT WORK IS MANDATED EITHER IN THE JOB SPECIFICATION OR BY THE CONTRACTING AGENCY:

1ST SHIFT:	8:00 AM to 4:30 PM	Regular wage rate
2ND SHIFT:	4:30 PM to 1:00 AM	Regular wage rate plus 17.3%
3RD SHIFT:	12:30 AM to 9:00 AM	Regular wage rate plus 31.4%

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 16.63 plus
5.75% of hourly
wage paid*

*NOTE: The 5.75% is based on the hourly wage paid, straight time rate or premium rate.

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

WAGE CAP - Double the straight time hourly base wage shall be the maximum hourly wage compensation for any hour worked. Contractor is still responsible to pay the hourly benefit amount for each hour worked.

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES per hour: Six month terms at the following percentage of the Journeyworker's wage.

1st	2nd	3rd	4th	5th	6th
65%	70%	75%	80%	85%	90%

SUPPLEMENTAL BENEFITS per hour: Same as Journeyworker

6-910 r

Laborer - Residential

09/01/2025

JOB DESCRIPTION Laborer - Residential

DISTRICT 7

ENTIRE COUNTIES

Franklin, Jefferson, Lewis, St. Lawrence

WAGES

NOTE: Applies to the construction of one family, two family row housing, townhouses, apartments, condominiums and garden type projects or a combination thereof, together with related service buildings and facilities which construction work may be performed wholly on-site or may consist of the assembly of off-site produced modules or components but any of which living units are in the finished form no more than four (4) stories high and are to be used as dwellings.

Per hour:	07/01/2025	07/01/2026	07/01/2027
		Additional	Additional
Residential Laborer	\$ 24.98	\$ 3.85*	\$ 3.90*

* To be allocated at a later date.

SUPPLEMENTAL BENEFITS

Per hour:

Journeyworker \$ 27.22

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

REGISTERED APPRENTICES

WAGES per hour: 1000 hour terms at the following wage.

1st	2nd	3rd	4th
\$ 17.49	\$ 19.98	\$ 22.48	\$ 23.73

SUPPLEMENTAL BENEFITS per hour:

All Terms: Same as Journeyworker.

7-1822r

Mason - Residential

09/01/2025

JOB DESCRIPTION Mason - Residential

DISTRICT 12

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

IMPORTANT NOTE: Applies to all rehabilitation work on residential structures. "Rehabilitation" shall be defined to include all work, including demolition, repair and alteration on any existing structure which is intended for residential use. On new housing, this article shall be applicable only to site construction of all new work done by the Employer on one (1) family, two (2) family, row housing and garden type homes or apartments which are not more than four (4) stories above ground level and are used as dwellings.

Per hour

07/01/2025

Bricklayer	\$ 25.38
Cement Mason	25.38
Plasterer	25.38
Point/Caulk/Clean	25.38
Acid Brick	25.38

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman \$ 12.26

OVERTIME PAY

See (B, E, E2, Q) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

12-2r.z1

Mason - Tile Setter & Finisher - Residential

09/01/2025

JOB DESCRIPTION Mason - Tile Setter & Finisher - Residential

DISTRICT 12

ENTIRE COUNTIES

Albany, Clinton, Columbia, Essex, Franklin, Fulton, Greene, Hamilton, Montgomery, Rensselaer, Saratoga, Schenectady, Schoharie, Warren, Washington

WAGES

IMPORTANT NOTE: Applies to the construction of one family, two family row housing, townhouses, apartments, condominiums and garden type projects or a combination thereof, together with related service buildings and facilities which construction work may be performed wholly on-site or may consist of the assembly of off-site produced modules or components but any of which living units are in the finished form no more than two (2) stories high and are to be utilized solely as dwellings.

Per hour

07/01/2025

Tile/Marble/Terrazzo

Setter	\$ 24.16
Finisher	19.36

SUPPLEMENTAL BENEFITS

Per hour worked

Journeyman Setter	\$ 8.15
Journeyman Finisher	8.03

OVERTIME PAY

See (B, E, Q) on OVERTIME PAGE

HOLIDAY

Paid:	See (1) on HOLIDAY PAGE
Overtime:	See (5, 6) on HOLIDAY PAGE

12-2TSFr

Plumber - Residential

09/01/2025

JOB DESCRIPTION Plumber - Residential

DISTRICT 1

ENTIRE COUNTIES

Essex, Franklin

PARTIAL COUNTIES

Hamilton: The Townships of Long Lake and Indian Lake

WAGES

IMPORTANT NOTE: Applicable solely to new construction of up to, and including apartments with three floors of living accommodations with a maximum of 24 apartments per building, new houses, and repair and maintenance of old residential housing and the above. Also covers all plumbing in connection with sewers and water mains on highways, streets and roadways up to five (5) feet from any building when the residential rate applies.

Per hour

07/01/2025

Plumber & Steamfitter	\$ 41.88
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SUPPLEMENTAL BENEFITS

Per hour

Journeyworker	\$ 33.80
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OVERTIME PAY

See (B2, Q) on OVERTIME PAGE

HOLIDAY

Paid:	See (22) on HOLIDAY PAGE
Overtime:	See (5, 6, 23) on HOLIDAY PAGE

Note: For the paid Christmas Holiday the employee must have worked 20 regular working days in the calendar year with contractor to qualify

Note: Whenever a Holiday falls on a Saturday, the preceding day, Friday, shall be observed as the Holiday. If a Holiday falls on a Sunday, the following day, Monday shall be observed as the Holiday.

REGISTERED APPRENTICES

Wages per hour

One year terms at the following percentage of Journeyperson's wage

1st yr	50%
2nd yr	60%
3rd yr	70%
4th yr	80%
5th yr	90%

Supplemental Benefits per hour worked

1st yr	\$ 24.93
2nd yr	26.70
3rd yr	28.48
4th yr	30.25
5th yr	32.03

1-773rEF-SF

Sprinkler Fitter - Residential

09/01/2025

JOB DESCRIPTION Sprinkler Fitter - Residential

DISTRICT 1

ENTIRE COUNTIES

Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Clinton, Columbia, Cortland, Delaware, Erie, Essex, Franklin, Fulton, Genesee, Greene, Hamilton, Herkimer, Jefferson, Lewis, Livingston, Madison, Monroe, Montgomery, Niagara, Oneida, Onondaga, Ontario, Orleans, Oswego, Otsego, Schoharie, Schuyler, Seneca, St. Lawrence, Steuben, Tioga, Tompkins, Washington, Wayne, Wyoming, Yates

WAGES

IMPORTANT NOTE: "Residential fire protection work" is applicable to one or two family dwellings, all multiple family dwelling units which are permitted to have a single exterior up to and including four stories, townhouses with units stacked vertically up to and including four stories and group residential care facilities and protective care homes (sheltered housing), not to include nursing homes or ambulatory care facilities.

Per hour

07/01/2025

Sprinkler
Fitter

\$ 35.39

SUPPLEMENTAL BENEFITS

Per hour

Journeyworker

\$ 29.41

OVERTIME PAY

See (B, H) on OVERTIME PAGE

HOLIDAY

Paid: See (1) on HOLIDAY PAGE
Overtime: See (5, 6) on HOLIDAY PAGE

Note: When a holiday falls on Sunday, the following Monday shall be considered a holiday and all work performed on either day shall be at the double time rate. When a holiday falls on Saturday, the preceding Friday shall be considered a holiday and all work performed on either day shall be at the double time rate.

1-669r

Overtime Codes

Following is an explanation of the code(s) listed in the OVERTIME section of each classification contained in the attached schedule. Additional requirements may also be listed in the HOLIDAY section.

NOTE: Supplemental Benefits are 'Per hour worked' (for each hour worked) unless otherwise noted

- (AA) Time and one half of the hourly rate after 7 and one half hours per day
- (A) Time and one half of the hourly rate after 7 hours per day
- (B) Time and one half of the hourly rate after 8 hours per day
- (B1) Time and one half of the hourly rate for the 9th & 10th hours week days and the 1st 8 hours on Saturday.
Double the hourly rate for all additional hours
- (B2) Time and one half of the hourly rate after 40 hours per week
- (B3) Time and one half of the hourly rate after 40 straight hours per week
- (C) Double the hourly rate after 7 hours per day
- (C1) Double the hourly rate after 7 and one half hours per day
- (D) Double the hourly rate after 8 hours per day
- (D1) Double the hourly rate after 9 hours per day
- (E) Time and one half of the hourly rate on Saturday
- (E1) Time and one half 1st 4 hours on Saturday; Double the hourly rate all additional Saturday hours
- (E2) Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E3) Between November 1st and March 3rd Saturday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather, provided a given employee has worked between 16 and 32 hours that week
- (E4) Sunday may be used as a make-up day at straight time when a day is lost during that week due to inclement weather
- (E5) Double time after 8 hours on Saturdays
- (F) Time and one half of the hourly rate on Saturday and Sunday
- (G) Time and one half of the hourly rate on Saturday and Holidays
- (H) Time and one half of the hourly rate on Saturday, Sunday, and Holidays
- (I) Time and one half of the hourly rate on Sunday
- (J) Time and one half of the hourly rate on Sunday and Holidays
- (K) Time and one half of the hourly rate on Holidays
- (L) Double the hourly rate on Saturday
- (M) Double the hourly rate on Saturday and Sunday
- (N) Double the hourly rate on Saturday and Holidays
- (O) Double the hourly rate on Saturday, Sunday, and Holidays
- (P) Double the hourly rate on Sunday
- (Q) Double the hourly rate on Sunday and Holidays
- (R) Double the hourly rate on Holidays

- (S) Two and one half times the hourly rate for Holidays
- (S1) Two and one half times the hourly rate the first 8 hours on Sunday or Holidays One and one half times the hourly rate all additional hours.
- (T) Triple the hourly rate for Holidays
- (U) Four times the hourly rate for Holidays
- (V) Including benefits at SAME PREMIUM as shown for overtime
- (W) Time and one half for benefits on all overtime hours.
- (X) Benefits payable on Paid Holiday at straight time. If worked, additional benefit amount will be required for worked hours. (Refer to other codes listed.)

Holiday Codes

PAID Holidays:

Paid Holidays are days for which an eligible employee receives a regular day's pay, but is not required to perform work. If an employee works on a day listed as a paid holiday, this remuneration is in addition to payment of the required prevailing rate for the work actually performed.

OVERTIME Holiday Pay:

Overtime holiday pay is the premium pay that is required for work performed on specified holidays. It is only required where the employee actually performs work on such holidays. The applicable holidays are listed under HOLIDAYS: OVERTIME. The required rate of pay for these covered holidays can be found in the OVERTIME PAY section listings for each classification.

Following is an explanation of the code(s) listed in the HOLIDAY section of each classification contained in the attached schedule. The Holidays as listed below are to be paid at the wage rates at which the employee is normally classified.

- (1) None
- (2) Labor Day
- (3) Memorial Day and Labor Day
- (4) Memorial Day and July 4th
- (5) Memorial Day, July 4th, and Labor Day
- (6) New Year's, Thanksgiving, and Christmas
- (7) Lincoln's Birthday, Washington's Birthday, and Veterans Day
- (8) Good Friday
- (9) Lincoln's Birthday
- (10) Washington's Birthday
- (11) Columbus Day
- (12) Election Day
- (13) Presidential Election Day
- (14) 1/2 Day on Presidential Election Day
- (15) Veterans Day
- (16) Day after Thanksgiving
- (17) July 4th
- (18) 1/2 Day before Christmas
- (19) 1/2 Day before New Years
- (20) Thanksgiving
- (21) New Year's Day
- (22) Christmas
- (23) Day before Christmas
- (24) Day before New Year's
- (25) Presidents' Day
- (26) Martin Luther King, Jr. Day
- (27) Memorial Day
- (28) Easter Sunday

(29)

Juneteenth

APPROVED FOR GRANT

APPENDIX A

STANDARD CLAUSES FOR NEW YORK STATE CONTRACTS

**PLEASE RETAIN THIS DOCUMENT
FOR FUTURE REFERENCE.**

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STANDARD CLAUSES FOR NYS CONTRACTS

The parties to the attached contract, license, lease, amendment or other agreement of any kind (hereinafter, "the contract" or "this contract") agree to be bound by the following clauses which are hereby made a part of the contract (the word "Contractor" herein refers to any party other than the State, whether a contractor, licensor, licensee, lessor, lessee or any other party):

1. EXECUTORY CLAUSE. In accordance with Section 41 of the State Finance Law, the State shall have no liability under this contract to the Contractor or to anyone else beyond funds appropriated and available for this contract.

2. NON-ASSIGNMENT CLAUSE. In accordance with Section 138 of the State Finance Law, this contract may not be assigned by the Contractor or its right, title or interest therein assigned, transferred, conveyed, sublet or otherwise disposed of without the State's previous written consent, and attempts to do so are null and void. Notwithstanding the foregoing, such prior written consent of an assignment of a contract let pursuant to Article XI of the State Finance Law may be waived at the discretion of the contracting agency and with the concurrence of the State Comptroller where the original contract was subject to the State Comptroller's approval, where the assignment is due to a reorganization, merger or consolidation of the Contractor's business entity or enterprise. The State retains its right to approve an assignment and to require that any Contractor demonstrates its responsibility to do business with the State. The Contractor may, however, assign its right to receive payments without the State's prior written consent unless this contract concerns Certificates of Participation pursuant to Article 5-A of the State Finance Law.

3. COMPTROLLER'S APPROVAL. In accordance with Section 112 of the State Finance Law, if this contract exceeds \$50,000 (or \$75,000 for State University of New York or City University of New York contracts for goods, services, construction and printing, and \$150,000 for State University Health Care Facilities) or if this is an amendment for any amount to a contract which, as so amended, exceeds said statutory amount, or if, by this contract, the State agrees to give

something other than money when the value or reasonably estimated value of such consideration exceeds \$25,000, it shall not be valid, effective or binding upon the State until it has been approved by the State Comptroller and filed in his office. Comptroller's approval of contracts let by the Office of General Services, either for itself or its customer agencies by the Office of General Services Business Services Center, is required when such contracts exceed \$85,000. Comptroller's approval of contracts established as centralized contracts through the Office of General Services is required when such contracts exceed \$125,000, and when a purchase order or other procurement transaction issued under such centralized contract exceeds \$200,000.

4. WORKERS' COMPENSATION BENEFITS. In accordance with Section 142 of the State Finance Law, this contract shall be void and of no force and effect unless the Contractor shall provide and maintain coverage during the life of this contract for the benefit of such employees as are required to be covered by the provisions of the Workers' Compensation Law.

5. NON-DISCRIMINATION REQUIREMENTS. To the extent required by Article 15 of the Executive Law (also known as the Human Rights Law) and all other State and Federal statutory and constitutional non-discrimination provisions, the Contractor will not discriminate against any employee or applicant for employment, nor subject any individual to harassment, because of age, race, creed, color, national origin, citizenship or immigration status, sexual orientation, gender identity or expression, military status, sex, disability, predisposing genetic characteristics, familial status, marital status, or domestic violence victim status or because the individual has opposed any practices forbidden under the Human Rights Law or has filed a complaint, testified, or assisted in any proceeding under the Human Rights Law. Furthermore, in accordance with Section 220-e of the Labor Law, if this is a contract for the construction, alteration or repair of any public building or public work or for the manufacture, sale or distribution of materials, equipment or supplies, and to the extent that this contract shall be performed within the State

of New York, Contractor agrees that neither it nor its subcontractors shall, by reason of race, creed, color, disability, sex, or national origin: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. If this is a building service contract as defined in Section 230 of the Labor Law, then, in accordance with Section 239 thereof, Contractor agrees that neither it nor its subcontractors shall by reason of race, creed, color, national origin, age, sex or disability: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. Contractor is subject to fines of \$50.00 per person per day for any violation of Section 220-e or Section 239 as well as possible termination of this contract and forfeiture of all moneys due hereunder for a second or subsequent violation.

6. WAGE AND HOURS PROVISIONS. If this is a public work contract covered by Article 8 of the Labor Law or a building service contract covered by Article 9 thereof, neither Contractor's employees nor the employees of its subcontractors may be required or permitted to work more than the number of hours or days stated in said statutes, except as otherwise provided in the Labor Law and as set forth in prevailing wage and supplement schedules issued by the State Labor Department. Furthermore, Contractor and its subcontractors must pay at least the prevailing wage rate and pay or provide the prevailing supplements, including the premium rates for overtime pay, as determined by the State Labor Department in accordance with the Labor Law. Additionally, effective April 28, 2008, if this is a public work contract covered by Article 8 of the Labor Law, the Contractor understands and agrees that the filing of payrolls in a manner consistent with Subdivision 3-a of Section 220 of the Labor Law shall be a condition precedent to payment by the State of any State approved sums due and owing for work done upon the project.

7. NON-COLLUSIVE BIDDING CERTIFICATION. In accordance with Section 139-d of the State Finance Law, if this contract was awarded based upon the submission of bids, Contractor affirms, under penalty of perjury, that its bid was arrived at independently

and without collusion aimed at restricting competition. Contractor further affirms that, at the time Contractor submitted its bid, an authorized and responsible person executed and delivered to the State a non-collusive bidding certification on Contractor's behalf.

8. INTERNATIONAL BOYCOTT PROHIBITION. In accordance with Section 220-f of the Labor Law and Section 139-h of the State Finance Law, if this contract exceeds \$5,000, the Contractor agrees, as a material condition of the contract, that neither the Contractor nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations thereunder. If such Contractor, or any of the aforesaid affiliates of Contractor, is convicted or is otherwise found to have violated said laws or regulations upon the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the contract's execution, such contract, amendment or modification thereto shall be rendered forfeit and void. The Contractor shall so notify the State Comptroller within five (5) business days of such conviction, determination or disposition of appeal (2 NYCRR § 105.4).

9. SET-OFF RIGHTS. The State shall have all of its common law, equitable and statutory rights of set-off. These rights shall include, but not be limited to, the State's option to withhold for the purposes of set-off any moneys due to the Contractor under this contract up to any amounts due and owing to the State with regard to this contract, any other contract with any State department or agency, including any contract for a term commencing prior to the term of this contract, plus any amounts due and owing to the State for any other reason including, without limitation, tax delinquencies, fee delinquencies or monetary penalties relative thereto. The State shall exercise its set-off rights in accordance with normal State practices including, in cases of set-off pursuant to an audit, the finalization of such audit by the State agency, its representatives, or the State Comptroller.

10. RECORDS. The Contractor shall establish and maintain complete and accurate books, records, documents, accounts and other evidence directly pertinent to performance under this contract (hereinafter, collectively, the "Records"). The Records must be kept for the balance of the calendar year in which they were made and for six (6) additional years thereafter. The State Comptroller, the Attorney General and any other person or entity authorized to conduct an examination, as well as the agency or agencies involved in this contract, shall have access to the Records during normal business hours at an office of the Contractor within the State of New York or, if no such office is available, at a mutually agreeable and reasonable venue within the State, for the term specified above for the purposes of inspection, auditing and copying. The State shall take reasonable steps to protect from public disclosure any of the Records which are exempt from disclosure under Section 87 of the Public Officers Law (the "Statute") provided that: (i) the Contractor shall timely inform an appropriate State official, in writing, that said records should not be disclosed; and (ii) said records shall be sufficiently identified; and (iii) designation of said records as exempt under the Statute is reasonable. Nothing contained herein shall diminish, or in any way adversely affect, the State's right to discovery in any pending or future litigation.

11. IDENTIFYING INFORMATION AND PRIVACY NOTIFICATION. (a) Identification Number(s). Every invoice or New York State Claim for Payment submitted to a New York State agency by a payee, for payment for the sale of goods or services or for transactions (e.g., leases, easements, licenses, etc.) related to real or personal property must include the payee's identification number. The number is any or all of the following: (i) the payee's Federal employer identification number, (ii) the payee's Federal social security number, and/or (iii) the payee's Vendor Identification Number assigned by the Statewide Financial System. Failure to include such number or numbers may delay payment. Where the payee does not have such number or numbers, the payee, on its invoice or Claim for Payment, must give the reason or reasons why the payee does not have such number or numbers.

(b) Privacy Notification. (1) The authority to request the above personal information from a seller of goods or services or a lessor of real or personal property, and the authority to maintain such information, is found in Section 5 of the State Tax Law. Disclosure of this information by the seller or lessor to the State is mandatory. The principal purpose for which the information is collected is to enable the State to identify individuals, businesses and others who have been delinquent in filing tax returns or may have understated their tax liabilities and to generally identify persons affected by the taxes administered by the Commissioner of Taxation and Finance. The information will be used for tax administration purposes and for any other purpose authorized by law. (2) The personal information is requested by the purchasing unit of the agency contracting to purchase the goods or services or lease the real or personal property covered by this contract or lease. The information is maintained in the Statewide Financial System by the Vendor Management Unit within the Bureau of State Expenditures, Office of the State Comptroller, 110 State Street, Albany, New York 12236.

12. EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITIES AND WOMEN. In accordance with Section 312 of the Executive Law and 5 NYCRR Part 143, if this contract is: (i) a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000.00, whereby a contracting agency is committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; or (ii) a written agreement in excess of \$100,000.00 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; or (iii) a written agreement in excess of \$100,000.00 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project, then the following shall

apply and by signing this agreement the Contractor certifies and affirms that it is Contractor's equal employment opportunity policy that:

(a) The Contractor will not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status, shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on State contracts and will undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination. Affirmative action shall mean recruitment, employment, job assignment, promotion, upgradings, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation;

(b) at the request of the contracting agency, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein; and

(c) the Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the State contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.

Contractor will include the provisions of "(a), (b) and (c)" above, in every subcontract over \$25,000.00 for the construction, demolition, replacement, major repair, renovation, planning or design of real property and improvements thereon (the "Work") except where the Work is for the beneficial use of the Contractor. Section 312 does not apply to: (i) work, goods or services unrelated to this contract; or (ii) employment outside New

York State. The State shall consider compliance by a contractor or subcontractor with the requirements of any federal law concerning equal employment opportunity which effectuates the purpose of this clause. The contracting agency shall determine whether the imposition of the requirements of the provisions hereof duplicate or conflict with any such federal law and if such duplication or conflict exists, the contracting agency shall waive the applicability of Section 312 to the extent of such duplication or conflict. Contractor will comply with all duly promulgated and lawful rules and regulations of the Department of Economic Development's Division of Minority and Women's Business Development pertaining hereto.

13. CONFLICTING TERMS. In the event of a conflict between the terms of the contract (including any and all attachments thereto and amendments thereof) and the terms of this Appendix A, the terms of this Appendix A shall control.

14. GOVERNING LAW. This contract shall be governed by the laws of the State of New York except where the Federal supremacy clause requires otherwise.

15. LATE PAYMENT. Timeliness of payment and any interest to be paid to Contractor for late payment shall be governed by Article 11-A of the State Finance Law to the extent required by law.

16. NO ARBITRATION. Disputes involving this contract, including the breach or alleged breach thereof, may not be submitted to binding arbitration (except where statutorily authorized), but must, instead, be heard in a court of competent jurisdiction of the State of New York.

17. SERVICE OF PROCESS. In addition to the methods of service allowed by the State Civil Practice Law & Rules ("CPLR"), Contractor hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be complete upon Contractor's actual receipt of process or upon the State's receipt of the return thereof by the United States Postal Service as refused or undeliverable. Contractor must promptly notify

the State, in writing, of each and every change of address to which service of process can be made. Service by the State to the last known address shall be sufficient. Contractor will have thirty (30) calendar days after service hereunder is complete in which to respond.

18. PROHIBITION ON PURCHASE OF TROPICAL HARDWOODS. The Contractor certifies and warrants that all wood products to be used under this contract award will be in accordance with, but not limited to, the specifications and provisions of Section 165 of the State Finance Law, (Use of Tropical Hardwoods) which prohibits purchase and use of tropical hardwoods, unless specifically exempted, by the State or any governmental agency or political subdivision or public benefit corporation. Qualification for an exemption under this law will be the responsibility of the contractor to establish to meet with the approval of the State.

In addition, when any portion of this contract involving the use of woods, whether supply or installation, is to be performed by any subcontractor, the prime Contractor will indicate and certify in the submitted bid proposal that the subcontractor has been informed and is in compliance with specifications and provisions regarding use of tropical hardwoods as detailed in § 165 State Finance Law. Any such use must meet with the approval of the State; otherwise, the bid may not be considered responsive. Under bidder certifications, proof of qualification for exemption will be the responsibility of the Contractor to meet with the approval of the State.

19. MACBRIDE FAIR EMPLOYMENT PRINCIPLES. In accordance with the MacBride Fair Employment Principles (Chapter 807 of the Laws of 1992), the Contractor hereby stipulates that the Contractor either (a) has no business operations in Northern Ireland, or (b) shall take lawful steps in good faith to conduct any business operations in Northern Ireland in accordance with the MacBride Fair Employment Principles (as described in Section 165 of the New York State Finance Law), and shall permit independent monitoring of compliance with such principles.

20. OMNIBUS PROCUREMENT ACT OF 1992. It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority- and women-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York State subcontractors and suppliers is available from:

NYS Department of Economic
Development
Division for Small Business and
Technology Development
625 Broadway
Albany, New York 12245
Telephone: 518-292-5100

A directory of certified minority- and women-owned business enterprises is available from:

NYS Department of Economic
Development
Division of Minority and Women's
Business Development
633 Third Avenue 33rd Floor
New York, NY 10017
646-846-7364
Email: [mailto:mwbebusinessdev@esd.
ny.gov](mailto:mailto:mwbebusinessdev@esd.ny.gov)
[https://ny.newnycontracts.
com/FrontEnd/
searchcertifieddirectory.asp](https://ny.newnycontracts.com/FrontEnd/searchcertifieddirectory.asp)

The Omnibus Procurement Act of 1992 (Chapter 844 of the Laws of 1992, codified in State Finance Law § 139-i and Public Authorities Law § 2879(3)(n)-(p)) requires that by signing this bid proposal or contract, as applicable, Contractors certify that whenever the total bid amount is greater than \$1 million:

(a) The Contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and subcontractors, including certified minority- and women-owned business enterprises, on this project, and has retained the documentation of these efforts to be provided upon request to the State;

(b) The Contractor has complied with the Federal Equal Opportunity Act of 1972 (P.L. 92-261), as amended;

(c) The Contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The Contractor agrees to document these efforts and to provide said documentation to the State upon request; and

(d) The Contractor acknowledges notice that the State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

21. RECIPROCITY AND SANCTIONS PROVISIONS. Bidders are hereby notified that if their principal place of business is located in a country, nation, province, state or political subdivision that penalizes New York State vendors, and if the goods or services they offer will be substantially produced or performed outside New York State, the Omnibus Procurement Act 1994 and 2000 amendments (Chapter 684 and Chapter 383, respectively, codified in State Finance Law § 165(6) and Public Authorities Law § 2879(5)) require that they be denied contracts which they would otherwise obtain. NOTE: As of May 2023, the list of discriminatory jurisdictions subject to this provision includes the states of South Carolina, Alaska, West Virginia, Wyoming, Louisiana and Hawaii.

22. COMPLIANCE WITH BREACH NOTIFICATION AND DATA SECURITY LAWS. Contractor shall comply with the provisions of the New York State Information Security Breach and Notification Act (General Business Law §§ 899-aa and 899-bb and State Technology Law § 208).

23. COMPLIANCE WITH CONSULTANT DISCLOSURE LAW. If this is a contract for consulting services, defined for purposes of this requirement to include analysis, evaluation, research, training, data processing, computer programming, engineering, environmental, health, and mental health services, accounting, auditing,

paralegal, legal or similar services, then, in accordance with Section 163 (4)(g) of the State Finance Law (as amended by Chapter 10 of the Laws of 2006), the Contractor shall timely, accurately and properly comply with the requirement to submit an annual employment report for the contract to the agency that awarded the contract, the Department of Civil Service and the State Comptroller.

24. PROCUREMENT LOBBYING. To the extent this agreement is a "procurement contract" as defined by State Finance Law §§ 139-j and 139-k, by signing this agreement the contractor certifies and affirms that all disclosures made in accordance with State Finance Law §§ 139-j and 139-k are complete, true and accurate. In the event such certification is found to be intentionally false or intentionally incomplete, the State may terminate the agreement by providing written notification to the Contractor in accordance with the terms of the agreement.

25. CERTIFICATION OF REGISTRATION TO COLLECT SALES AND COMPENSATING USE TAX BY CERTAIN STATE CONTRACTORS, AFFILIATES AND SUBCONTRACTORS.

To the extent this agreement is a contract as defined by Tax Law § 5-a, if the contractor fails to make the certification required by Tax Law § 5-a or if during the term of the contract, the Department of Taxation and Finance or the covered agency, as defined by Tax Law § 5-a, discovers that the certification, made under penalty of perjury, is false, then such failure to file or false certification shall be a material breach of this contract and this contract may be terminated, by providing written notification to the Contractor in accordance with the terms of the agreement, if the covered agency determines that such action is in the best interest of the State.

26. IRAN DIVESTMENT ACT. By entering into this Agreement, Contractor certifies in accordance with State Finance Law § 165-a that it is not on the "Entities Determined to be Non-Responsive Bidders/Offerers pursuant to the New York State Iran Divestment Act of 2012"

("Prohibited Entities List") posted at:
<https://ogs.ny.gov/iran-divestment-act-2012>

Contractor further certifies that it will not utilize on this Contract any subcontractor that is identified on the Prohibited Entities List. Contractor agrees that should it seek to renew or extend this Contract, it must provide the same certification at the time the Contract is renewed or extended. Contractor also agrees that any proposed Assignee of this Contract will be required to certify that it is not on the Prohibited Entities List before the contract assignment will be approved by the State.

During the term of the Contract, should the state agency receive information that a person (as defined in State Finance Law § 165-a) is in violation of the above-referenced certifications, the state agency will review such information and offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment activity which is in violation of the Act within 90 days after the determination of such violation, then the state agency

shall take such action as may be appropriate and provided for by law, rule, or contract, including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default.

The state agency reserves the right to reject any bid, request for assignment, renewal or extension for an entity that appears on the Prohibited Entities List prior to the award, assignment, renewal or extension of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the Prohibited Entities list after contract award.

27. ADMISSIBILITY OF REPRODUCTION OF CONTRACT.

Notwithstanding the best evidence rule or any other legal principle or rule of evidence to the contrary, the Contractor acknowledges and agrees that it waives any and all objections to the admissibility into evidence at any court proceeding or to the use at any examination before trial of an electronic reproduction of this contract, in the form approved by the State Comptroller, if such approval was required, regardless of whether the original of said contract is in existence.