



- TRAFFIC CONTROL PLAN**
SCALE: 1"=30'
- DRAWING NOTES:**
- CHILLED WATER PLANT 4 IS LOCATED BELOW THE BASKETBALL COURTS ON THE EAST SIDE OF THE NORTH CAMPUS PARKING RAMP.
 - MAINTAIN ACCESS TO STANLEY RESIDENCE HALL SERVICE DRIVE.
 - MAINTAIN ACCESS TO FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS AT ALL TIMES. MAINTAIN ACCESS TO A 20 FOOT WIDE FIRE LANE BETWEEN BURGE RESIDENCE HALL AND THE CONSTRUCTION FENCE. THIS LANE WILL ALSO BE USED FOR PEDESTRIAN TRAFFIC.
 - MAINTAIN ACCESS TO BURGE RESIDENCE HALL LOADING DOCK. TYPICALLY, DELIVERIES OCCUR BETWEEN 4:00 AM AND 10:00 AM DAILY. DELIVERY VEHICLES WILL ACCESS THE LOADING DOCK FROM BLOOMINGTON STREET AND EXIT USING BLOOMINGTON STREET. FULL SIZE SEMI-TRUCK DELIVERIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
 - CONSTRUCTION DELIVERY AND DEMOLITION REMOVAL VEHICLES SHALL ACCESS THE PROJECT SITE FROM DUBUQUE STREET DUE TO THE NARROW ACCESS GATE LOCATED ON BLOOMINGTON STREET AT CLINTON STREET. VEHICLES SHALL TURN RIGHT ONTO BLOOMINGTON STREET. SEMI-TRUCKS SHALL PULL PAST CONSTRUCTION FENCING ONTO DAVENPORT STREET AND BACK UP INTO THE PROJECT SITE THROUGH THE NORTH CONSTRUCTION GATE. THESE VEHICLES SHALL EXIT THE CONSTRUCTION AREA USING DAVENPORT STREET. COORDINATE CONSTRUCTION DELIVERY AND DEMOLITION REMOVAL TO OCCUR BETWEEN 10:00 AM AND 6:00 PM.
 - MAINTAIN CONSTRUCTION SIGNAGE AS SHOWN. CONSTRUCTION SIGNAGE SHALL HAVE BLACK LETTING ON AN ORANGE BACKGROUND.
 - MAINTAIN SIMILAR SIGN AT STAIRWELL ENTRY ON EACH LEVEL OF RAMP.
 - THE LOCATIONS OF UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS SHOWN ON THIS DRAWINGS ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORD DOCUMENTS. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS NOT KNOWN TO PRVN CONSULTANTS, INC., AND NOT SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATIONS OF UNDERGROUND UTILITIES. CALL IOWA ONE-CALL (1-800-292-8899) FOR UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING PEDESTRIAN AND VEHICLE TRAFFIC CONTROL MEASURES PRIOR TO COMMENCEMENT OF WORK AND THROUGHOUT WORK. ALL MEASURES SHALL BE APPROVED BY THE OPERATOR'S REPRESENTATIVE AND WILL REMAIN IN PLACE UNTIL THE COMPLETION OF THE PROJECT. CONTRACTOR SHALL ADJUST AS NEEDED DURING CONSTRUCTION.
 - PRIOR TO BEGINNING WORK, CONTRACTOR, ACCOMPANIED BY OPERATOR'S REPRESENTATIVE, SHALL DOCUMENT BY PHOTO OR VIDEO EXISTING SITE CONDITIONS INCLUDING BUT NOT LIMITED TO ROADWAYS, DRIVES, SIDEWALKS, STEPS, CURBS, GUTTERS, AND PAVEMENT MARKINGS AS WELL AS ACCESS GATES, ACCESS GATE CARD READERS, STREET SIGNS, LANDSCAPING, SITE LIGHTING, CHAIN LINK FENCES, ELECTRICAL VAULTS, HANDHOLES, AND ALL OTHER SURFACES. NOTE WHERE EXISTING CRACKS ARE IN PCC PAVEMENT OR DAMAGED ACC SURFACES. THIS AREA SHALL INCLUDE ACCESS GATES ON DAVENPORT STREET AND BLOOMINGTON STREET AT CLINTON STREETS.
 - CONTRACTOR SHALL REPLACE, AT NO COST TO THE OPERATOR, ALL DAMAGE DURING THE COURSE OF THE PAVING WORK INCLUDING ROADWAYS, DRIVES, SIDEWALKS, STEPS, CURBS, GUTTERS, AND PAVEMENT MARKINGS AS WELL AS ACCESS GATES, ACCESS GATE CARD READERS, STREET SIGNS, LANDSCAPING, SITE LIGHTING, CHAIN LINK FENCE, ELECTRICAL VAULTS, HANDHOLES, AND ALL OTHER SURFACE STRUCTURES NOT SCHEDULED TO BE REMOVED.
 - WHERE A SECTION OF PAVEMENT, CURB AND GUTTER, OR SIDEWALK IS CUT OR OTHERWISE DAMAGED BY THE CONTRACTOR, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED. PAVEMENT, CURBS, GUTTERS, AND SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT. DOUBLE SAW CUTTINGS IS AT THE CONTRACTOR'S DISCRETION.
 - PROTECT EXISTING UNDERGROUND STRUCTURES INCLUDING THE STEAM TUNNELS AND ELECTRICAL VAULTS FROM HEAVY LOADS AND DAMAGE AT ALL TIMES. CURRIER STEAM TUNNEL LID IS RATED FOR HS-20 AASHTO LOADING (16,000 LB WHEEL LOAD / 32,000 LB AXLE LOAD) IN THE AREA BETWEEN THE NORTH CAMPUS PARKING AND CHILLED WATER FACILITY AND BURGE RESIDENCE HALL.
 - PROVIDE EIGHT FEET TALL CHAINLINK CONSTRUCTION FENCE TO SECURE PROJECT SITE AS SHOWN ON DRAWINGS. CONTRACTOR MAY USE THE NORTH CAMPUS PARKING AND CHILLED WATER FACILITY CHAINLINK FENCE AND SUPPLEMENT WHERE NEEDED. FENCE SHALL BE CONSTRUCTED AND MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES.
 - CONTRACTOR SHALL USE CAUTION WHILE INSTALLING CONSTRUCTION FENCE TO NOT DAMAGE UNDERGROUND UTILITIES.
 - CONTRACTOR SHALL REPAIR DAMAGED CONSTRUCTION FENCE ON THE SAME DAY AS IT IS DAMAGED AND MAINTAIN A SECURE SITE AT ALL TIMES.
 - FENCING, BARRICADES, AND SIGNAGE SHALL BE USED TO DIVERT PEDESTRIAN AND VEHICLE TRAFFIC AROUND THE CONSTRUCTION ACTIVITY.
 - CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT DURATION OF THE PROJECT.
 - IN THE EVENT THAT LIGHTING CIRCUITS ARE DISRUPTED INTENTIONALLY OR UNINTENTIONALLY, THE CONTRACTOR SHALL IMMEDIATELY PROVIDE A TEMPORARY SPICE TO REESTABLISH THE CIRCUIT. THE CONTRACTOR SHALL CONTACT THE OPERATOR'S REPRESENTATIVE PRIOR TO MAKING ANY PERMANENT ELECTRICAL CONNECTIONS. CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OPERATOR.
 - ALL ITEMS SHOWN TO BE REMOVED OR DEMOLISHED SHALL BE REMOVED ENTIRELY BY THE CONTRACTOR AND DISPOSED OF LEGALLY OFF SITE UNLESS OTHERWISE NOTED.
 - CONTRACTOR VEHICLE PARKING WILL NOT BE ALLOWED WITHIN THE PROJECT SITE OR ON SIDEWALKS, DRIVES, GRASS, OR STREETS WITHIN THE GATED AREA. VEHICLES WILL BE TOWED AT THE EXPENSE OF THE VEHICLE OWNER.
 - CONSTRUCTION LAYDOWN SPACE ON-SITE IS LIMITED. CONTRACTOR MAY UTILIZE THE PLANT ROOF FOR CONSTRUCTION LAYDOWN. THE ROOF IS LIMITED TO 100 PSF LIVE LOAD AND MOTOR OPERATED EQUIPMENT ON THE ROOF IS PROHIBITED. PROTECT ROOF SURFACE WHERE LAYDOWN OR WORK IS TAKING PLACE. CONTRACTOR SHALL PROTECT ROOF SURFACE WITH HARD BOARD INSULATION COVERED BY PLYWOOD IN AREAS OF WORK OR LAYDOWN. DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE REMOVED IMMEDIATELY.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING CRANE LAYOUT AND LOADS FOR THE PROPOSED LOCATION OF THE CRANE, INCLUDING WEIGHT DISTRIBUTION MATS AND CRIBBING.
 - CONTRACTOR SHALL PROVIDE CRANE SUPPORT DESIGN INCLUDING INSTALLATION NEEDS SUCH AS FOUNDATION OR GROUND SUPPORTS. CONTRACTOR SHALL HAVE A LICENSED ENGINEER IN THE STATE OF IOWA REVIEW THE PROPOSED CRANE LOCATION TO VERIFY UTILITIES AND BUILDINGS ARE PROTECTED FROM DAMAGE DUE TO CRANE LOADS, AS A RESULT OF THE CRANE LOAD IN ANY GIVEN AREA.
 - THE CRANE SHALL BE POSITIONED TO ALLOW FOR PEDESTRIAN AND VEHICLE TRAFFIC. CONTRACTOR SHALL SUBMIT A PLAN NOTING THE PROPOSED CRANE LOCATIONS AND LIFTING PATHS TO THE OPERATOR FOR COORDINATION AND APPROVAL PRIOR TO CRANE INSTALLATION. THIS NOTE APPLIES TO EACH CRANE LOCATION SHOULD MULTIPLE CRANES BE USED OR THE CRANE BE RELOCATED.
 - COORDINATE SCHEDULING OF ANY CRANE OPERATION WITH OPERATOR'S REPRESENTATIVE A MINIMUM OF TWENTY (20) WORKING DAYS IN ADVANCE. CONTRACTOR SHALL MINIMIZE DURATION OF CRANE OPERATION TO THE GREATEST EXTENT POSSIBLE.
 - LIFTING PATHS AND TIMES SHALL BE COORDINATED WITH THE OPERATOR'S REPRESENTATIVE ON A DAILY BASIS. LIFTING TIMES SHALL BE LIMITED TO 10:00 AM TO 6:00 PM.
 - PROVIDE FLAGGERS TO CONTROL PEDESTRIAN AND VEHICLE TRAFFIC NEXT TO SITE WHEN CRANE LIFTS ARE IN PROGRESS.
 - REMOVE ACCESS HATCH REMOVABLE PANEL(S) FOR DEMOLITION/INSTALLATION OF EQUIPMENT, PIPING, ETC. LIFTING DEVICES ARE EMBEDDED IN EACH CORNER OF THE PANEL. CONTRACTOR SHALL EXPOSE DEVICES FOR LIFTING. OPERATOR WILL PROVIDE THE EYES THAT FIT INTO THE PANEL(S). CONTRACTOR SHALL PROVIDE SPREADER BARS FOR LIFTING. CONTRACTOR TO COORDINATE ACCESS HATCH PANEL REMOVAL WITH EQUIPMENT DELIVERY SCHEDULE.
 - CONTRACTOR TO PROVIDE HATCH COVER TO SECURE AND PROTECT OPENING WHEN NOT ACTIVELY IN USE. HATCH COVER MAY BE FABRICATED FROM METAL PLATE AND CHANNEL IRON.
 - CONTRACTOR SHALL REMOVE IN THEIR ENTIRETY CRANE SUPPORTS SUCH AS FOUNDATIONS OR GROUND SUPPORTS UPON COMPLETION.
 - CONTRACTOR SHALL RESTORE LANDSCAPING AND PAVING DAMAGED BY CRANE OPERATION TO PRE-CONSTRUCTION CONDITION.
 - PROTECT TREES WITHIN THE CONSTRUCTION AREA AND OTHER LOCATIONS AS SHOWN ON DRAWING. PROVIDE 4'-0" HIGH GALVANIZED CHAIN LINK FENCE WITH PAVING AROUND CRITICAL ROOT ZONE WHICH IS DEFINED AS 1.5' TREE DIAMETER IN INCHES MEASURED AT 4.5' OFF THE GROUND. THE SOIL WITHIN THE CRITICAL ROOT ZONE SHALL NOT BE DISTURBED IN ANY MANNER DURING CONSTRUCTION. NO EQUIPMENT, MATERIALS, SUPPLIES, AND/OR SALVAGE SHALL BE STORED OR PLACED WITHIN THE ZONE. NO VEHICULAR OR EQUIPMENT TRAFFIC SHALL BE PERMITTED IN THE CRITICAL ROOT ZONE. NO FILLING OR CURING OF EXISTING SOILS SHALL BE PERMITTED WITHIN THE CRITICAL ROOT ZONE.
 - CONTRACTOR TO HAUL EQUIPMENT AND MATERIALS FROM SITE. A DUMPSTER MAY BE LOCATED WITHIN THE PROJECT FENCING ON NORTH CAPITOL STREET. DUMPSTERS ARE NOT ALLOWED ON THE BASKETBALL COURTS OR OTHER EXTERNAL AREAS.
 - CONTRACTOR SHALL REMOVE SITE LIGHTING PRIOR TO CRANE OPERATION. STORE SITE LIGHTING DURING CONSTRUCTION, AND REINSTALL SITE LIGHTING AFTER WORK REQUIRING CRANE IS COMPLETE.
 - UNIVERSITY LANDSCAPE SERVICES WILL REMOVE TREES PRIOR TO BEGINNING CONSTRUCTION AND WILL REPLANT TREES AFTER FINAL ACCEPTANCE.
 - CONTRACTOR SHALL MAINTAIN PEDESTRIAN USAGE OF RAMP STAIRS WHEN WATER LINE WORK INCLUDING CONCRETE RESTORATION IS NOT TAKING PLACE.
 - CONTRACTOR SHALL MAINTAIN PEDESTRIAN USAGE OF RAMP STAIRS WHEN NOT USING THE CRANE. WHEN CRANE IS IN USE, CLOSE STAIRS ACCESS AND PROVIDE FLAGGERS TO REDIRECT PEDESTRIAN TRAFFIC.

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- GENERAL NOTES:**
- ALL WORK SHOWN ON THIS SHEET SHALL BE PROVIDED BY THIS CONTRACT UNLESS OTHERWISE INDICATED.
 - THE FACILITY WILL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. PERFORM CONSTRUCTION ACTIVITIES TO NOT INTERFERE WITH NORMAL OPERATIONS AND MAINTENANCE ACTIVITIES CONDUCTED BY OPERATOR.
 - ADD +588.27 FEET TO BUILDING DATUM SHOWN TO CONNECT TO SITE DATUM.
 - PROTECT ALL EXISTING EQUIPMENT, PIPING, TUBING, INSTRUMENTS, DEVICES, VALVES, PANELS, AND ACCESSORIES FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
 - PROVIDE TEMPORARY CAPS, COVERS, OR BLIND FLANGES TO PROTECT EQUIPMENT AND PIPING FROM ENTRY OF FOREIGN MATERIALS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES.
 - RELOCATE EXISTING SMALL-BORE PIPING, TUBING, AND CONDUITS AS REQUIRED FOR CONSTRUCTION AT NO COST TO OPERATOR.
 - FIELD VERIFY ALL CONNECTION SIZES AND TYPES PRIOR TO ISSUING SHOP DRAWINGS SUBMITTALS.
 - PROVIDE ALL NECESSARY PIPE, TUBING, FITTINGS, AND ACCESSORIES TO PROPERLY MATCH CONNECTION SIZES AND TYPES.
 - MANUAL VALVES ARE SHOWN IN EITHER OPEN OR CLOSED POSITION BASED ON NORMAL OPERATION.
 - DEMOLISH PIPING, INCLUDING ALL ASSOCIATED VALVES, DRAINS, VENTS, AND SUPPORTS.
 - REPAIR EXISTING INSULATION DAMAGED DURING DEMOLITION TO LIKE NEW CONDITION.

ISSUED FOR CONSTRUCTION

NO.	REVISIONS	CHKD	DATE
3	ISSUED FOR CONSTRUCTION	JTG	06/30/2025
2	ISSUED FOR ADDENDUM 2	JTG	05/15/2025
1	ISSUED FOR ADDENDUM 1	JTG	05/05/2025
0	ISSUED FOR BIDS	JTG	03/21/2025

ENGIE
THE UNIVERSITY OF IOWA - IOWA CITY, IA
CHILLED WATER PLANT 4
UPGRADE COOLING TOWERS AND
CONDENSER WATER PUMPS
PROJECT IA-153-24-LFC
C-05 GENERAL CONSTRUCTION

TRAFFIC CONTROL PLAN

SCALE: AS NOTED

DATE: MARCH 21, 2025

ENGINEER: D.P. REESE
DRAFTED: D.L. TURNER

PROJ NO.: 22964

CHECKED: J.T. GAMBRILL

NO. CT01

REV. 3