

NEW YORK STREET BRIDGE WEST ABUTMENT STAIRS REPLACEMENT

FOR

CITY OF AURORA AURORA, ILLINOIS



INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	EXISTING STAIRWAY AERIAL AND PHOTOS
3	STAIRWAY PLAN, SECTION, AND DETAILS



LOCATION MAP



Daniel Caceres
EXPIRES 11/30/2022
DATE 04/13/2022

PERMIT

ORIGINAL SET FOR PROJECT: 22-410		DATE CREATED: 3/23/2022
REVISIONS		
REV. NO.	DESCRIPTION	DATE



FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA WISCONSIN

ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER: 184003525

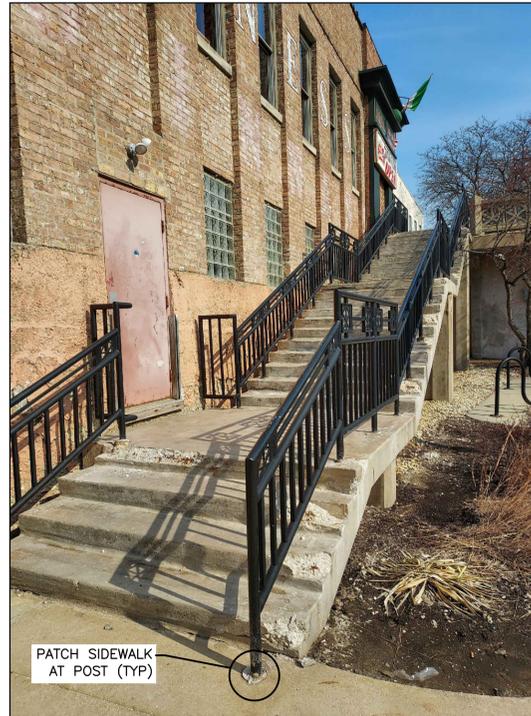
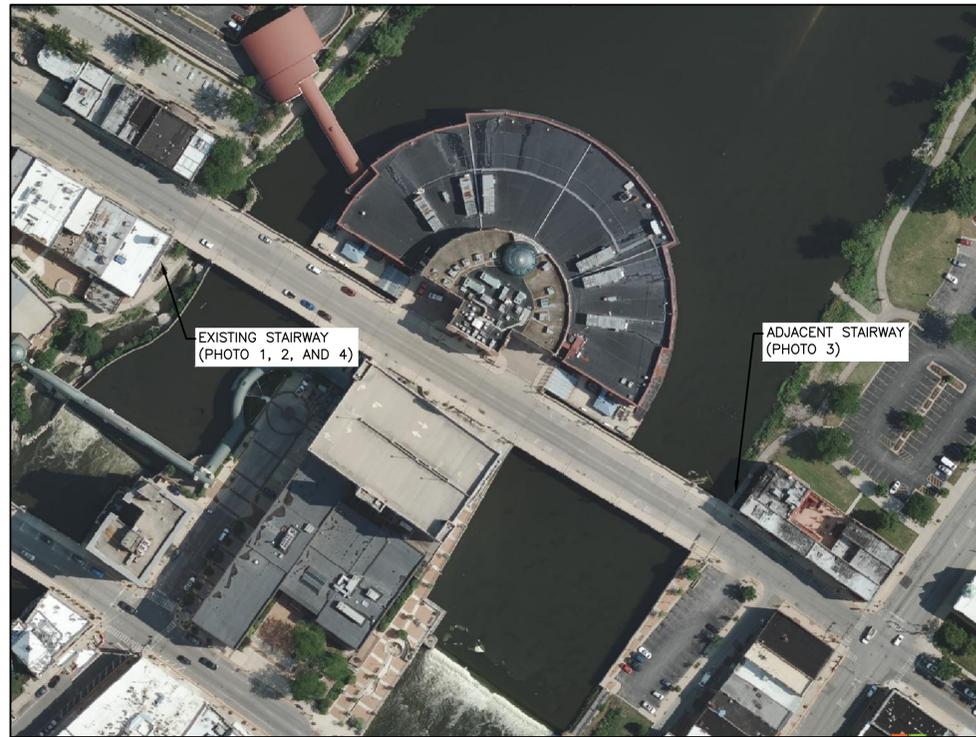


PHOTO 1 – EXISTING STAIRWAY

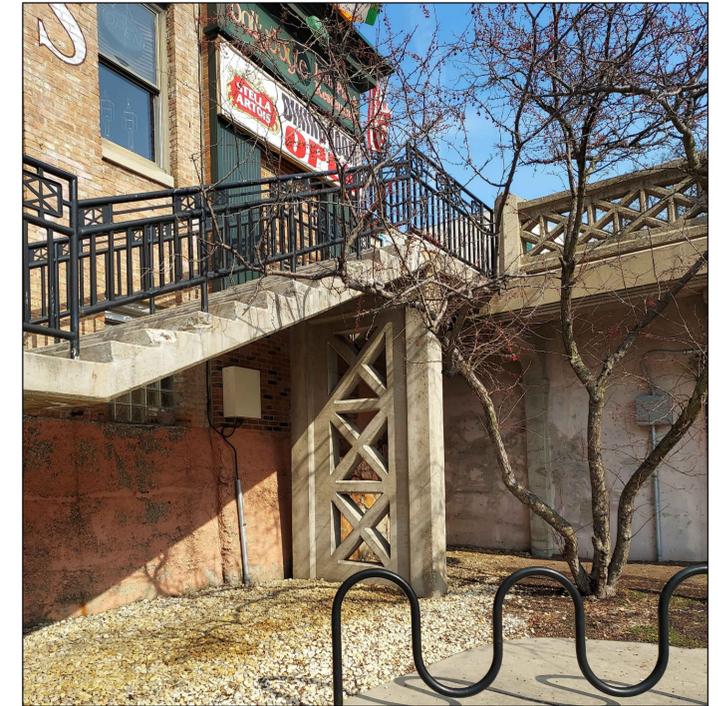


PHOTO 2 – EXISTING PIER

EXISTING BRIDGE AERIAL PHOTO



NOTES:

1. EXISTING STAIRWAY IS REINFORCED CONCRETE. RECORD DRAWINGS FOR STAIRWAY ARE UNAVAILABLE. CONTRACTOR SHALL FIELD SURVEY EXISTING STRUCTURE TO VERIFY DIMENSIONS.
2. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PER MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLEMENTS. TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO CITY OF AURORA.
3. CONTRACTOR SHALL PROVIDE SIGNAGE TO TEMPORARILY ROUTE PEDESTRIAN TRAFFIC AROUND WORK AREA.
4. CONTRACTOR SHALL PROVIDE BARRICADES, TEMPORARY RAILING, AND BARRICADE TAPING TO RESTRICT ACCESS TO THE WORK AREA.
5. CONTRACTOR SHALL SAWCUT, DEMOLISH, AND REMOVE EXISTING CONCRETE STAIRS AND RAILING. EXISTING CONCRETE PIERS SHALL REMAIN. CONTRACTOR SHALL SEQUENCE WORK SO NEW STAIRWAY IS COMPLETELY INSTALLED WITHIN 1 WEEK OF REMOVING EXISTING STAIRS.
6. CONTRACTOR SHALL RESTORE ANY DAMAGED SURFACES AND LANDSCAPING TO ORIGINAL CONDITION.
7. CONTRACTOR SHALL PATCH EXISTING CONCRETE PER ACI RAP 7. REPAIR MORTAR SHALL BE MASTEREMACO S 488 CI OR APPROVED EQUAL. PERIMETER SHALL BE SAWCUT TO 1/4" DEEP AND SQUARE. REMOVE ALL OXIDATION AND SCALE FROM REBAR.



PHOTO 3 – EXISTING RAILING AT ADJACENT STAIRWAY

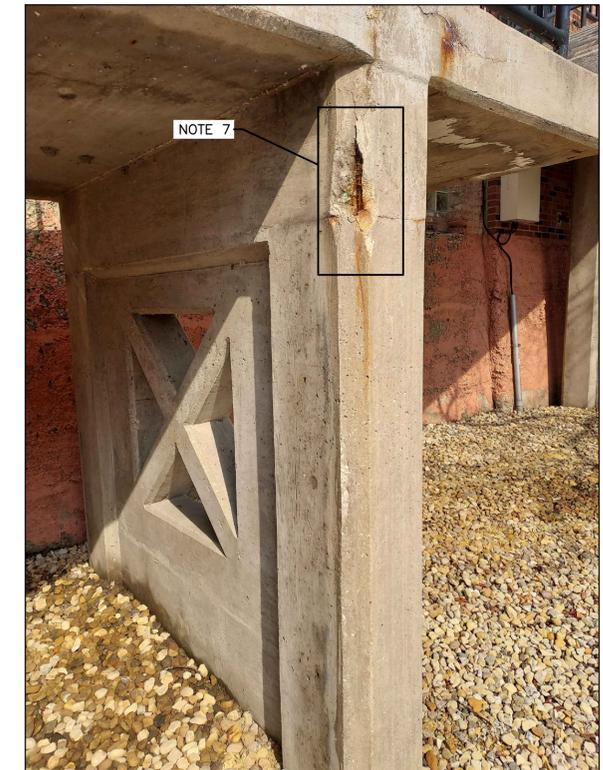


PHOTO 4

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

ILLINOIS
IOWA
WISCONSIN

OWNER/DEVELOPER:
CITY OF AURORA
44 EAST DOWNER PLACE
AURORA, ILLINOIS

PROJECT AND LOCATION:
NEW YORK STREET BRIDGE WEST
ABUTMENT STAIRS REPLACEMENT
AURORA, ILLINOIS

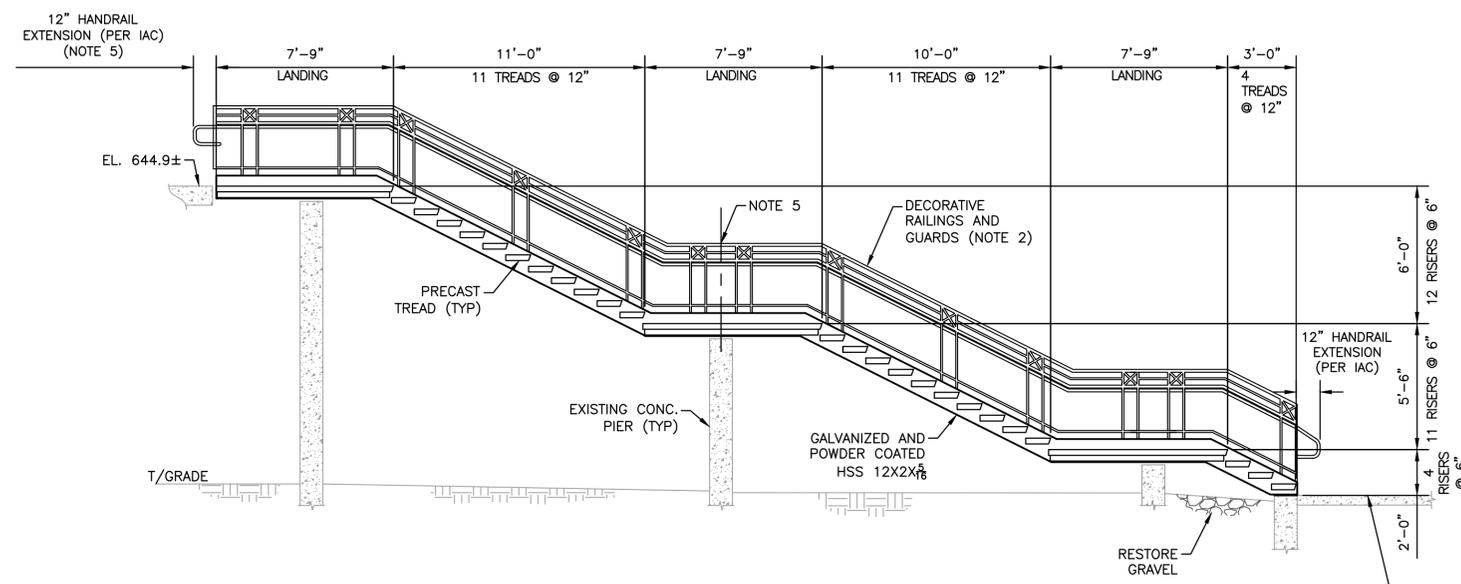
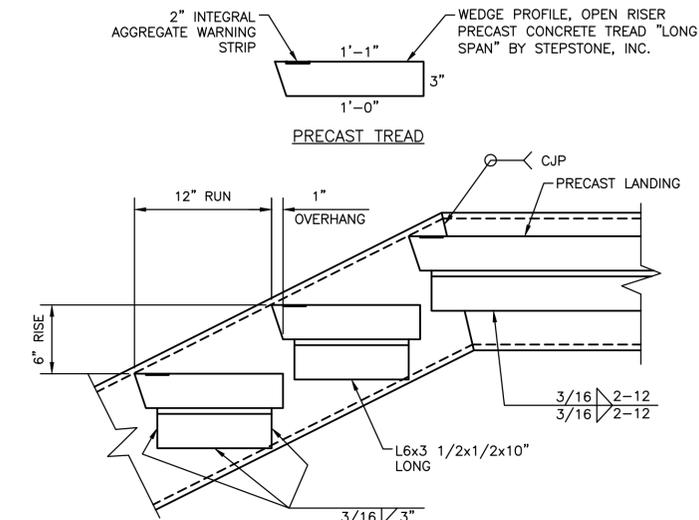
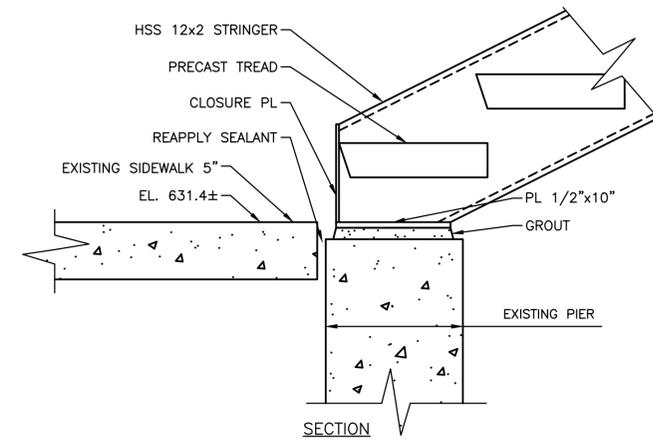
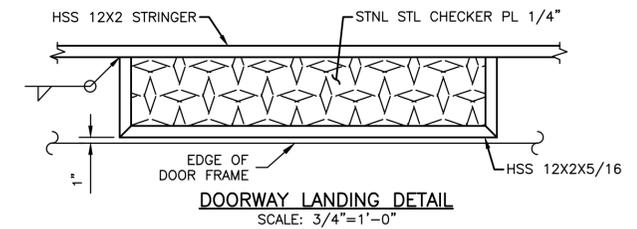
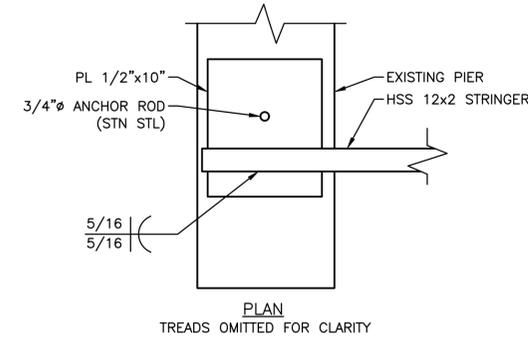
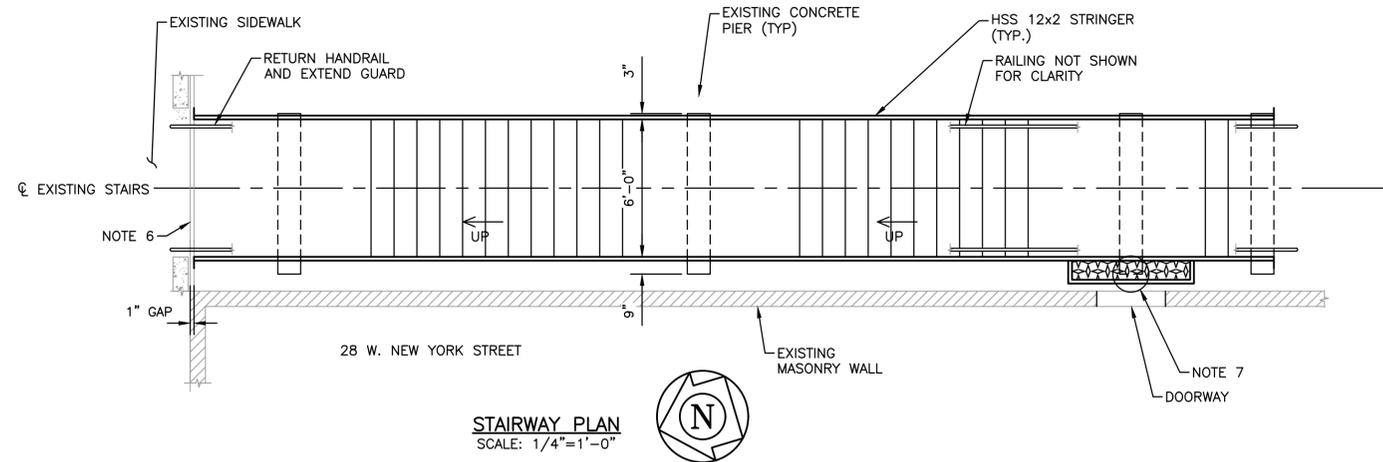
DRAWN BY: MH
APPROVED BY: DC
DATE: 3/23/2022
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

DRAWING:
EXISTING STAIRWAY AERIAL AND PHOTOS
SET TYPE: PERMIT
G:\C30\22\22-410\Plans\22-410 CoA NY St. Bridge Stairs.dwg, 2 EXISTING STAIRWAY AERIAL AND PHOTOS

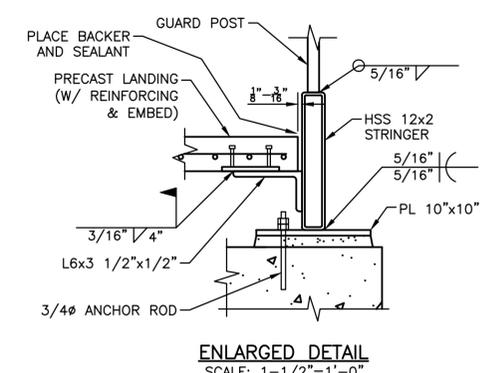
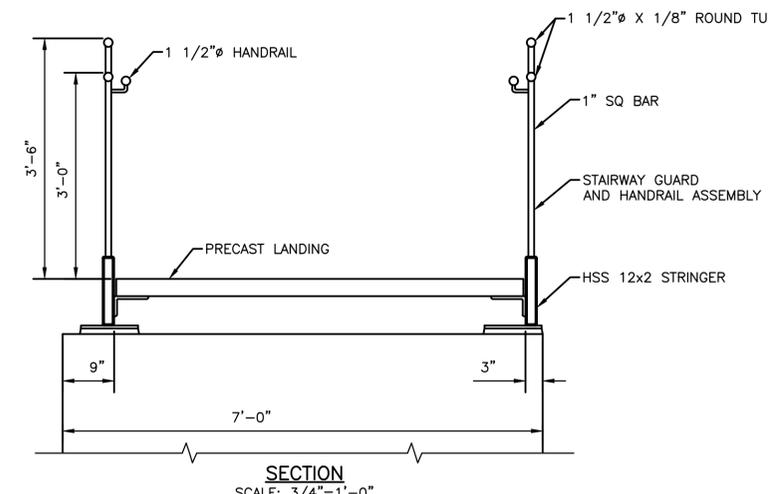
JOB NUMBER:
22-410

SHEET NUMBER:
2 of 3



STRINGER-BASE CONNECTION
N.T.S.

TYPICAL STRINGER + TREAD
N.T.S.



- NOTES:**
- EXISTING ELEVATIONS AND DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD MEASURE AND SURVEY EXISTING CONDITIONS AND MODIFY DIMENSIONS TO SUITE.
 - NEW RAILINGS SHALL REPLICATE THE DESIGN OF THE ADJACENT STAIRWAY RAILING AND GUARDS. OVERALL GEOMETRY SHALL COMPLY WITH IBC 2015 PROVISIONS. PICKETS NOT SHOWN FOR CLARITY. WELDS SHALL HAVE NOMMA #2 FINISH.
 - STAIR STRINGERS, RAILING, AND GUARDS SHALL BE GALVANIZED AND POWDER COATED.
 - MATERIALS:
HSS STRINGERS - ASTM A1085
PLATE & ANGLES - ASTM A36
ANCHORS - 3/4" STN STL W/ HILTI HIT RE500 V3 EPOXY ADHESIVE (9" EMBED)
WELDS - E70XX ELECTRODES, COLD GALVANIZED AND RE-COAT TO MATCH IN FIELD. FIELD WELDS GRIND SMOOTH.
 - FABRICATOR MAY SPLIT STRINGER AND GUARDS AT CENTER PIER. HANDRAIL SHALL BE CONTINUOUS.
 - PROVIDE 1" EMSEAL BEJS AS EXPANSION JOINT.
 - GUARDS SHALL RETURN TO BUILDING TO ALLOW DOORWAY ACCESS SIMILAR TO EXISTING LAYOUT. PROVIDE HANDRAIL EXTENSION PER IAC.
 - OPENINGS IN GUARDRAIL SHALL BE 3-7/8" MAX, INCLUDING AT INTERFACE WITH EXISTING BRIDGE PARAPET.
- STRUCTURAL DESIGN CRITERIA:**
- STRUCTURAL DESIGN PER IBC 2015.
 - LIVE LOAD = 100 PSF.

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