

**City of Laurinburg
Laurinburg, NC
Dana Drive Pump Station Flood Mitigation Improvements
RFB 2022-09**

RE-ADVERTISEMENT
FOR BIDS

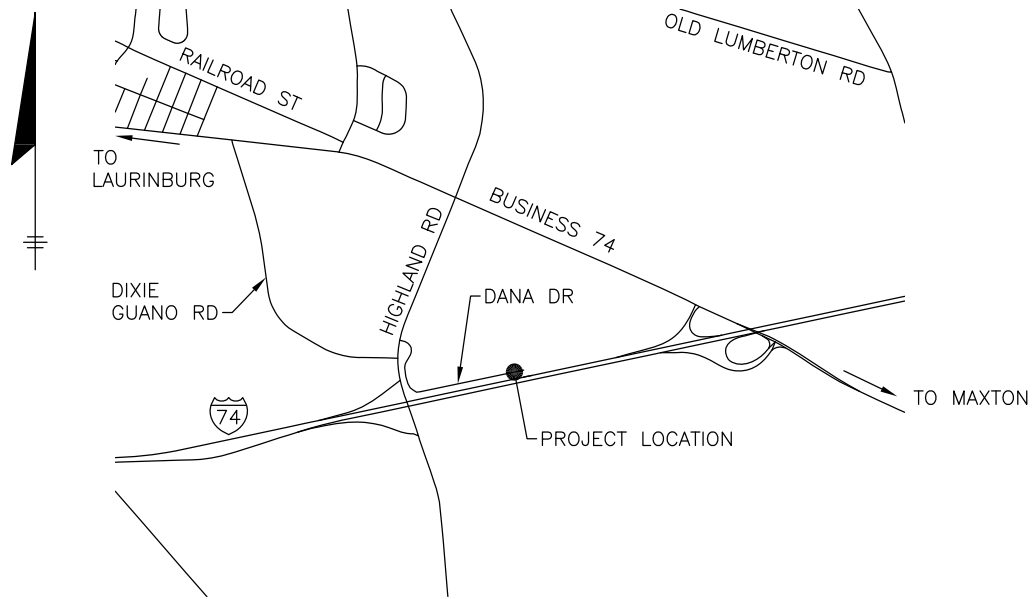
Bids for the construction of the **Dana Drive Pump Station Flood Mitigation Improvements** project will be received by the **City of Laurinburg, Attn: Harold W. Haywood, 303 West Church Street (Room 242), Laurinburg, NC, 28352, until 2:00 PM local time on Monday, May 9, 2022.** Bids may be mailed in or sent electronically to Harold Haywood at hhaywood@laurinburg.org.

The project consists of building construction and improvements to provide flood mitigation at the Dana Drive Pump Station. Bids shall be submitted as a lump sum bid to perform the scope of work in the project documents. The project is tied to funding from the FEMA Public Assistance program.

Contract drawings and bid form can be obtained from Harold Haywood at hhaywood@laurinburg.org. All visits to the project site shall be coordinated with Dixon Medlin at (910) 291-1716 or dmedlin@laurinburg.org. All questions related to the project shall be directed to Jim Stowe at Willis Engineers at (704) 377-9844 or jim@willisengineers.com.

The City of Laurinburg is an Equal Opportunity Employer and invites the submission of proposals from minority and women-owned firms. The City reserves the right to reject any or all proposals.

Published 3/3/22 – HWH
Extended Deadline 3/29/22 – HWH
Re-advertised 4/28/22 – HWH



LOCATION MAP

SCOPE OF WORK:

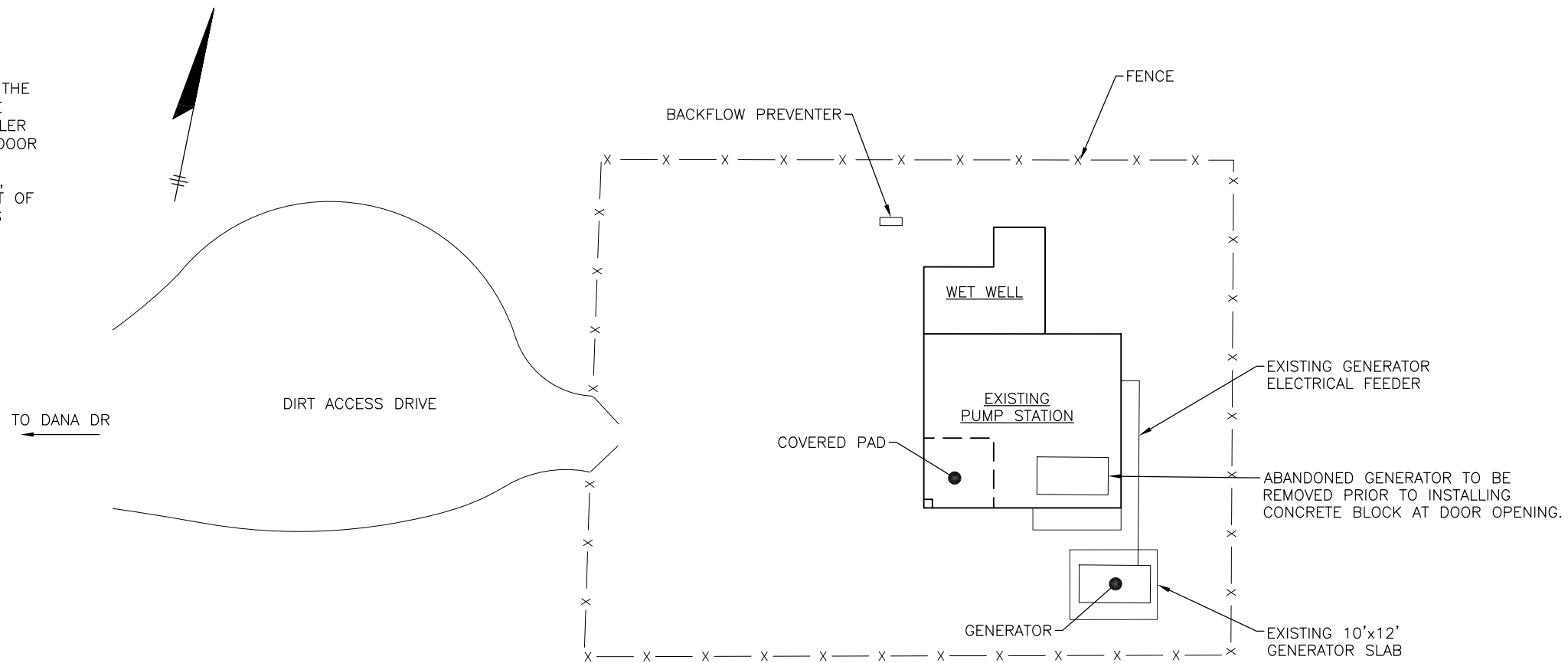
1. REMOVE EXISTING LOUVERS AND REPLACE WITH SPLIT RIB CONCRETE BLOCK.
2. REMOVE EXISTING DOORS AND REPLACE WITH FLOOD PROOF DOORS.
3. REMOVE EXISTING GENERATOR FROM INSIDE PUMP STATION BUILDING.
4. REMOVE EXISTING LOUVERED DOORS AND REPLACE WITH SPLIT RIB CONCRETE BLOCK.
5. REMOVE EXISTING ELECTRICAL CONNECTIONS TO POWERED LOUVERS.
6. INSTALL ALUMINUM PLATE IN LOWER PORTION OF WINDOWS.
7. INSTALL FLOOD PLANK AT EXISTING DOUBLE DOORS.
8. PROVIDE RESTORATION TO ALL DISTURBED AREAS.

GENERAL NOTES:

1. SIZE AND LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND WERE COMPILED BASED ON THE INFORMATION AVAILABLE. CONTRACTOR SHALL VERIFY AND PROTECT. CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL EXISTING MATERIALS REQUIRED TO COMPLETE THE CONSTRUCTION. NO CONSTRUCTION DEBRIS MAY BE LEFT ONSITE.
3. TEMPORARY CONSTRUCTION STAGING AREAS ARE AVAILABLE WITHIN THE EXISTING PUMP STATION SITE.
4. THE CONTRACTOR IS ADVISED WORK ON THE PROJECT IS TO BE PERFORMED IN AN ACTIVE PUMP STATION. THE CONTRACTOR SHALL COORDINATE HIS EFFORTS AS TO NOT INTERFERE WITH NORMAL OPERATIONS.
5. PERMANENT GROUND COVER OF DISTURBED AREAS SHALL BE PROVIDED WITHIN 14 CALENDAR DAYS OF LAST LAND DISTURBING ACTIVITIES.
6. ALL WORK SHALL BE COORDINATED WITH THE ENGINEER AND THE CITY STAFF.

FEMA HAZARD MITIGATION APPROVED SCOPE OF WORK:

MITIGATION AS PROPOSED BY THE APPLICANT'S CONSULTANT CONSISTS OF THE ADDITION OF 1/4" THICK ALUMINUM PLATES TO THE LOWER 12" OF THREE EXISTING WINDOWS, REMOVING THE EXISTING ABANDONED GENERATOR MUFFLER AND BLOCKING THE HOLE, REPLACING THE EXISTING 3'-4"x7'-4" SINGLE DOOR AND 6'-4"x7'-4" DOUBLE DOOR WITH STAINLESS STEEL FLOOD DOORS, REMOVING EXISTING GENERATOR LOUVERS AND BLOCKING UP THE OPENING, BLOCKING UP THE LOWER PORTION OF THE WALL VENT UP TO THE HEIGHT OF 4'-0" AND INSTALLING A NEW 2'-8"x2'-8" ALUMINUM LOUVER ABOVE THIS AREA, AND INSTALLING REMOVABLE ALUMINUM FLOOD PLANKS OVER THE EXISTING DOUBLE CRANE DOOR.



SITE PLAN

08 FEB 2022



James C. Stowe

IN CHARGE	CAWjr
DESIGNED	JCS
MADE BY	PTC
CHECKED	GJW



1	ADDED FEMA SCOPE OF WORK	08 FEB 22
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CITY OF LAURINBURG
DANA DRIVE PUMP STATION

SITE PLAN

1973.038

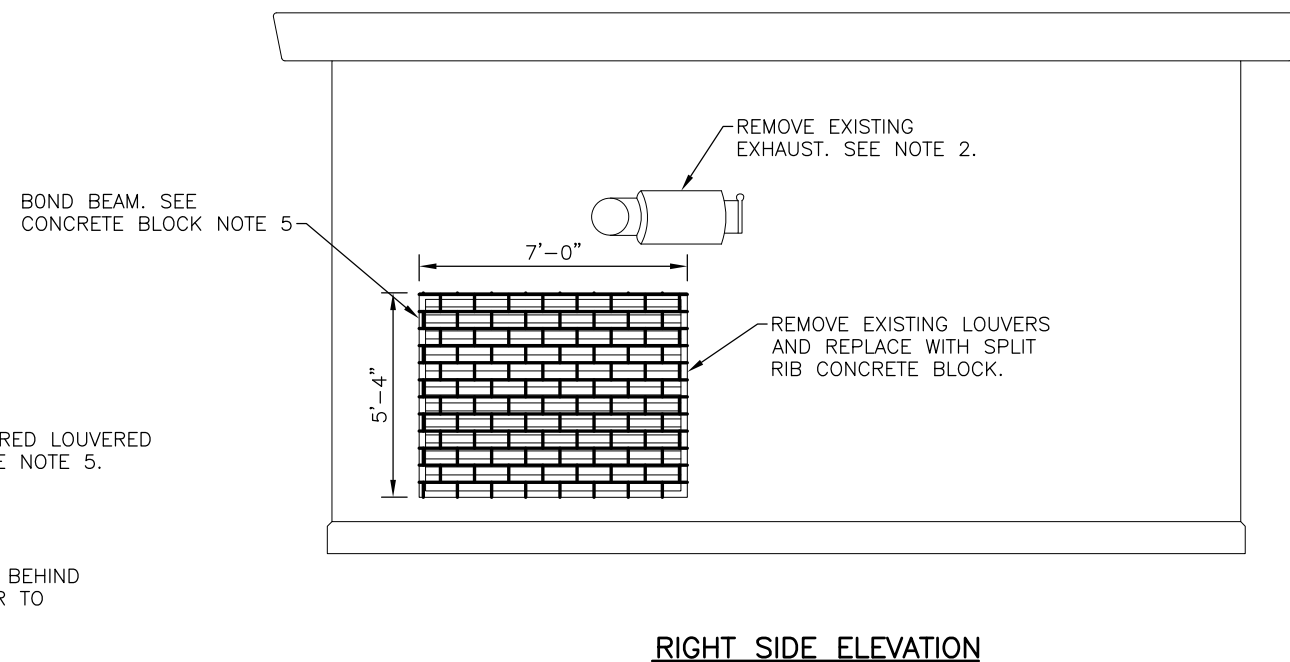
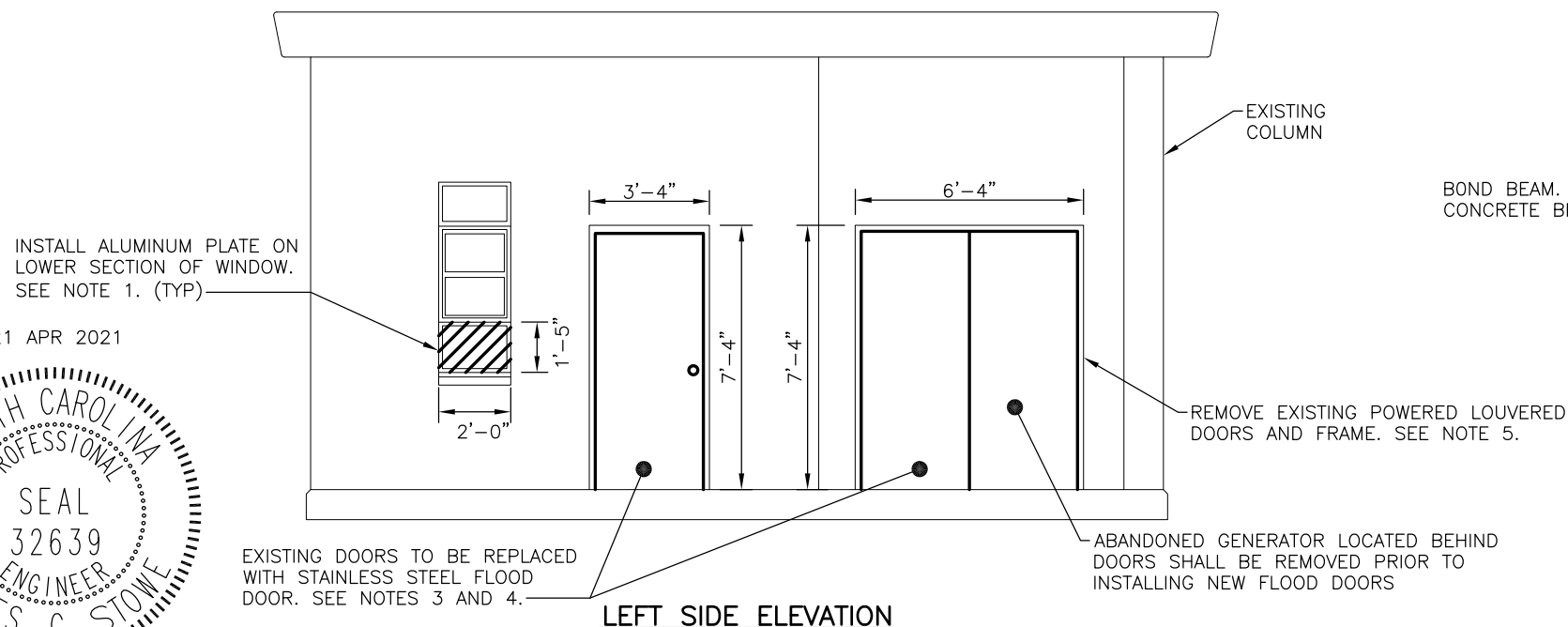
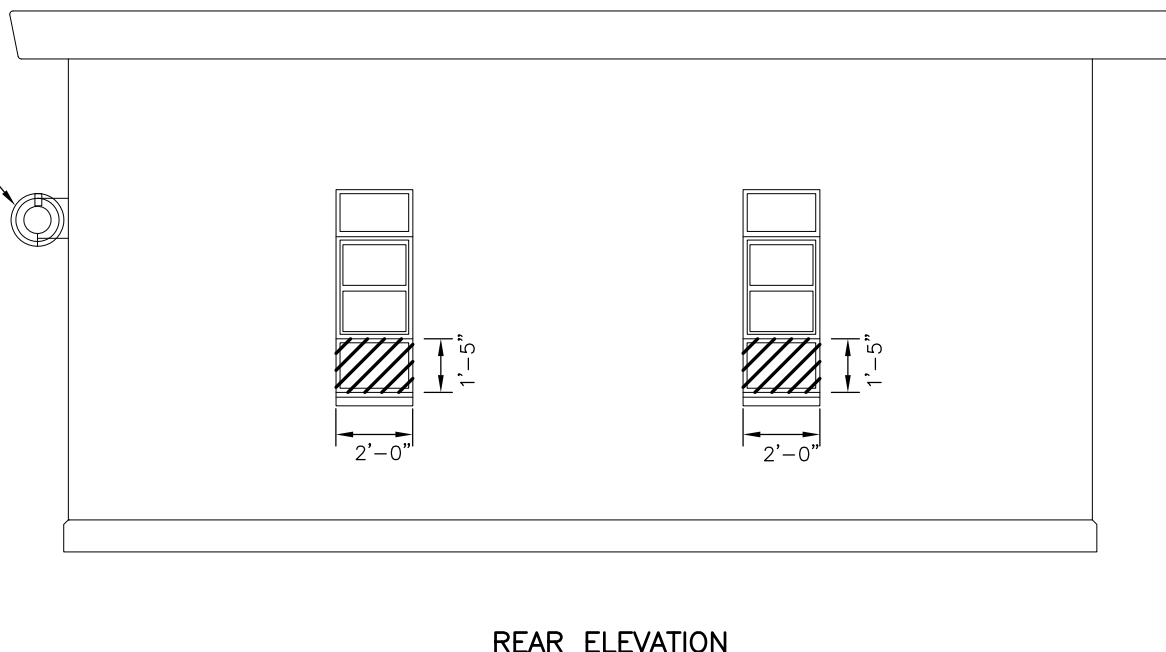
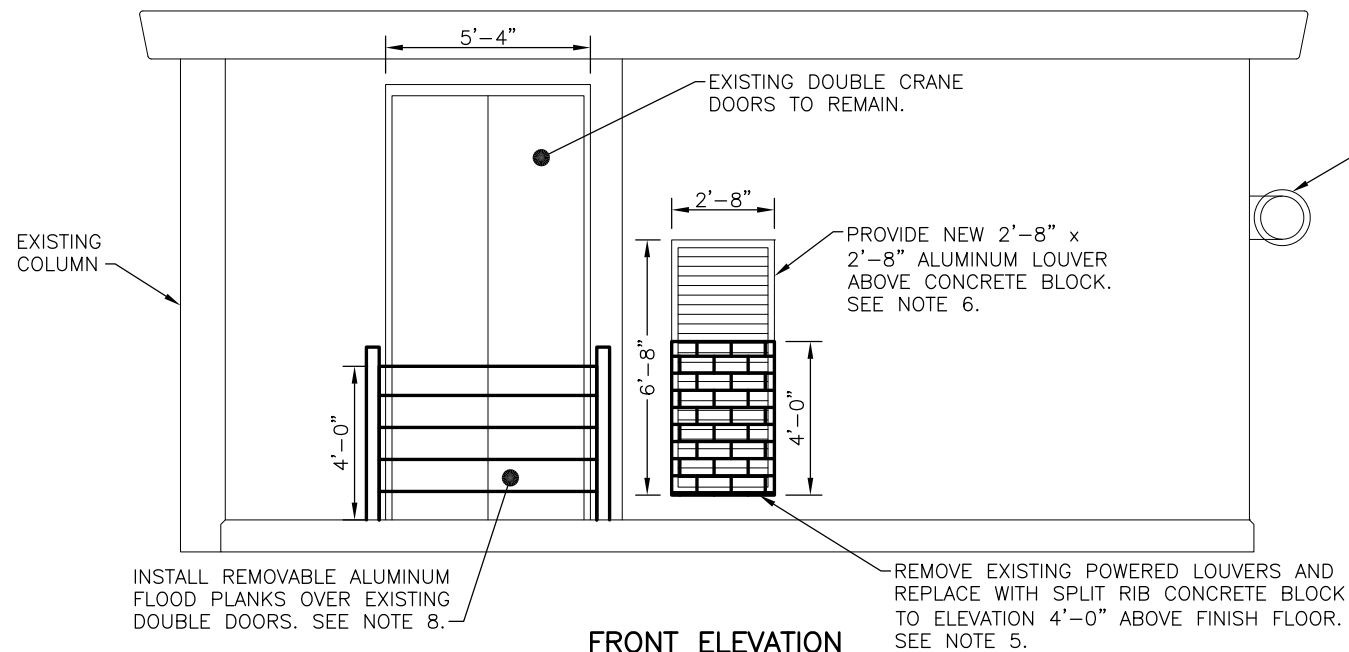
FEB 2022

CONCRETE BLOCK NOTES:

1. ALL CONCRETE BLOCK SHALL BE SPLIT RIB MATCHING COLOR OF EXISTING BLOCK.
2. PROVIDE #6 VERTICAL REINFORCING BARS AT 12" SPACING. GROUT BLOCK SOLID AT VERTICAL REINFORCING.
3. PROVIDE EPOXY SET #6 DOWELS IN EXISTING SLAB 12" DEPTH. LAP VERTICAL REINFORCING 2'-6".
4. PROVIDE LADDER TYPE HORIZONTAL SPACING EVERY 16-INCHES VERTICALLY.
5. PROVIDE CONTINUOUS BOND BEAM WITH #6 REINFORCING AT NEXT TO LAST COURSE. PLACE FINAL COURSE ON TOP OF BOND BEAM TO SEAL OPENING.

NOTES:

1. PROVIDE 1/4" THICK ALUMINUM PLATE ON LOWER 12-INCHES AT WINDOW. SCREW PLATE TO EXISTING ALUMINUM FRAME. PROVIDE 100% SILICON CAULK BETWEEN PLATE AND WINDOW FRAME. PLATE SHOULD NOT INTERFERE WITH OPERATION OF EXISTING WINDOW. REMOVE EXISTING GLAZING.
2. EXISTING GENERATOR MUFFLER SHALL BE REMOVED AND HOLE SEALED WITH SPLIT RIB CONCRETE BLOCK.
3. FLOOD DOOR SHALL BE CONSTRUCTED OF STAINLESS STEEL WITH COMPRESSIBLE SEALS TO CREATE A FLOOD BARRIER. DOOR SHALL BE PD-520 AS MANUFACTURED BY PS FLOOD BARRIERS OR EQUAL.
4. FLOOD DOOR SHALL BE TYPE 2 CLOSURE IN ACCORDANCE WITH US ARMY CORPS OF ENGINEERS STANDARD EP1165-2-314.
5. EXISTING DOORS HAVE POWERED LOUVERS. ELECTRICAL CONNECTIONS SHALL BE REMOVED AND TERMINATED AT JUNCTION BOX ON CONCRETE BLOCK WALL.
6. LOUVER SHALL BE STATIONARY ALUMINUM WITH BAKED ENAMEL FINISH AND BIRD SCREENING. COLOR SHALL MATCH EXISTING.
7. ALL DIMENSIONS NOTED ON DRAWINGS ARE ROUGH OPENINGS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
8. FLOOD PLANKS SHALL BE ALUMINUM WITH COMPRESSIBLE UV RESISTANT EPDM SEALS. PLANKS SHALL BE FP-530 AS MANUFACTURED BY PS FLOOD BARRIERS OR EQUAL.



WILLIS ENGINEERS, INC., 10700 SIKES PLACE, CHARLOTTE, NORTH CAROLINA, 28277 - NC LIC. NO. F-0114

21 APR 2021



James C. Stowe

IN CHARGE CAWjr
DESIGNED JCS
MADE BY PTC
CHECKED GJW



CITY OF LAURINBURG
DANA DRIVE PUMP STATION

ELEVATION VIEWS

1973.038

APRIL 2021