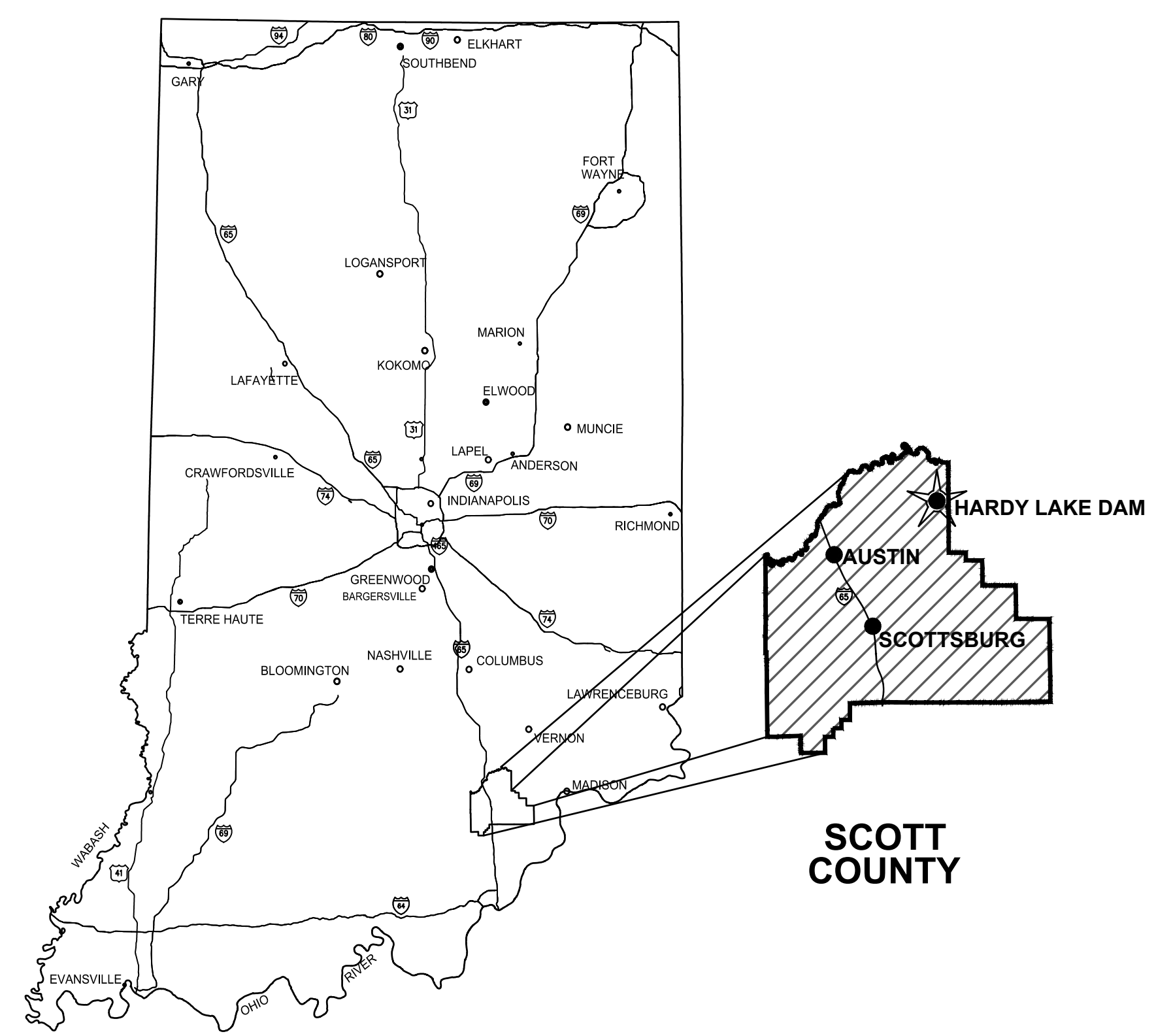


INDIANA DEPARTMENT OF ADMINISTRATION INDIANA DEPARTMENT OF NATURAL RESOURCES HARDY LAKE DAM GATE REPAIR

PROJECT NO. 300DM-72012-06 DECEMBER 2022

ERIC J. HOLCOMB GOVERNOR OF INDIANA
ROBERT GROSSMAN IDOA DIRECTOR
DANIEL W. BORTNER IDNR DIRECTOR

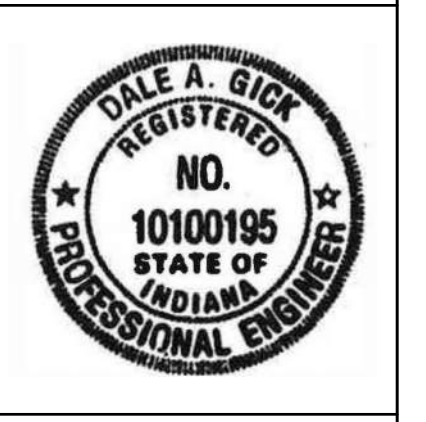


GENERAL LOCATION MAP
NO SCALE



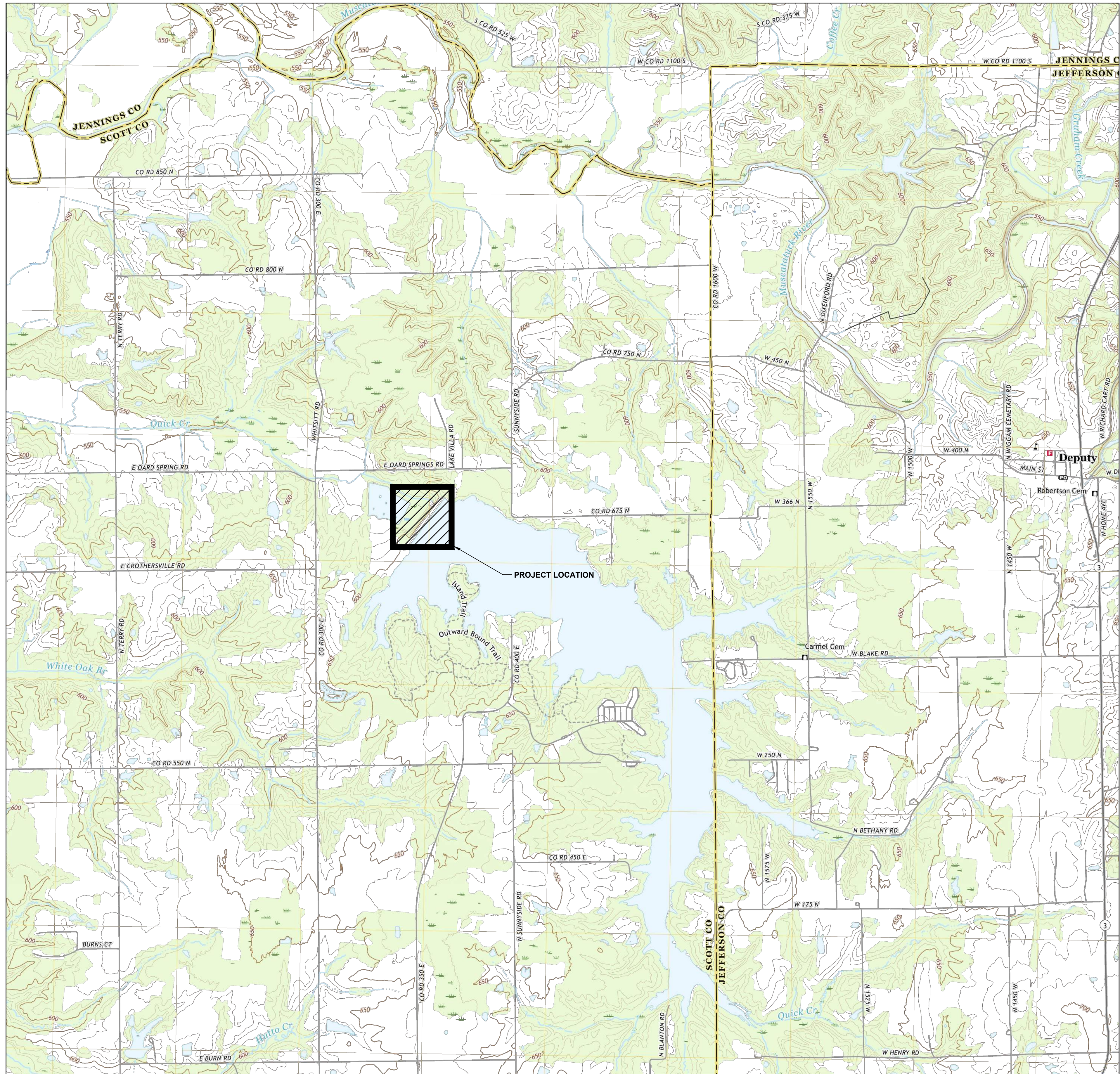
CERTIFIED BY : *Dale A. Gick* 11-4-22
DALE A. GICK, P.E. DATE
INDIANA P.E. NO. PE10100195

QA/QC BY : *Dustin B. Jennings* 11-4-22
DUSTIN B. JENNINGS, P.E. DATE



CONTRACT NO. : D19104

File: C:\CLIENTS\ALINDR\016100\GATE INSPECTIONS\ONE DAMS\CAD\A CURRENT FILES\DRAWINGS\01-HARDY LAKE DAM TITLE SHEET.DWG
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PROJECT LOCATION MAP

SCALE: 1"=400'-0"
 0 400' 800'



PLAN SHEET INDEX		
PAGE#	DWG#	DRAWING DESCRIPTION
GENERAL DRAWINGS		
01	G1	TITLE SHEET
02	G2	GENERAL LOCATION MAP, PLAN SHEET INDEX, AND GENERAL NOTES
PROCESS DRAWINGS		
03	P1	INTAKE STRUCTURE DETAILS - PLAN AND SECTION VIEWS
04	P2	INTAKE STRUCTURE DETAILS - SECTION VIEWS
MISCELLANEOUS DRAWINGS		
05	MD1	MISCELLANEOUS TABLES AND DETAILS
06	MD2	INTAKE STRUCTURE PHOTOS
07	MD3	OUTLET WEIR DETAIL

NOTIFICATION INFORMATION

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 VIA DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF ENGINEERING
 402 WEST WASHINGTON STREET, W299
 INDIANAPOLIS, IN 46204
 (317)232-4150

PROPERTY MANAGER:
 IDNR HARDY LAKES STATE PARK
 4171 E. HARROD RD.
 SCOTTSBURG, IN 47170
 (812)794-3800
 MATT TAYLOR

ENGINEER:
 COMMONWEALTH ENGINEERS, INC.
 7256 COMPANY DRIVE
 INDIANAPOLIS, IN 46237
 (317)888-1177

GENERAL NOTES:

- ALL ELEVATIONS SHOWN ARE REFERENCED FROM THE RECORD PLANS, WHICH ARE BASED ON THE NGVD29 VERTICAL DATUM. THE FOLLOWING CONVERSION WILL NEED TO BE APPLIED TO CONVERT ELEVATIONS TO NAVD88: NGVD29 - 0.42 = NAVD88

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Signature: *Dale A. Gick* Date: 11-4-22

**INDIANA DEPARTMENT OF ADMINISTRATION
 HARDY LAKE DAM GATE REPAIR**

SCOTT COUNTY, INDIANA

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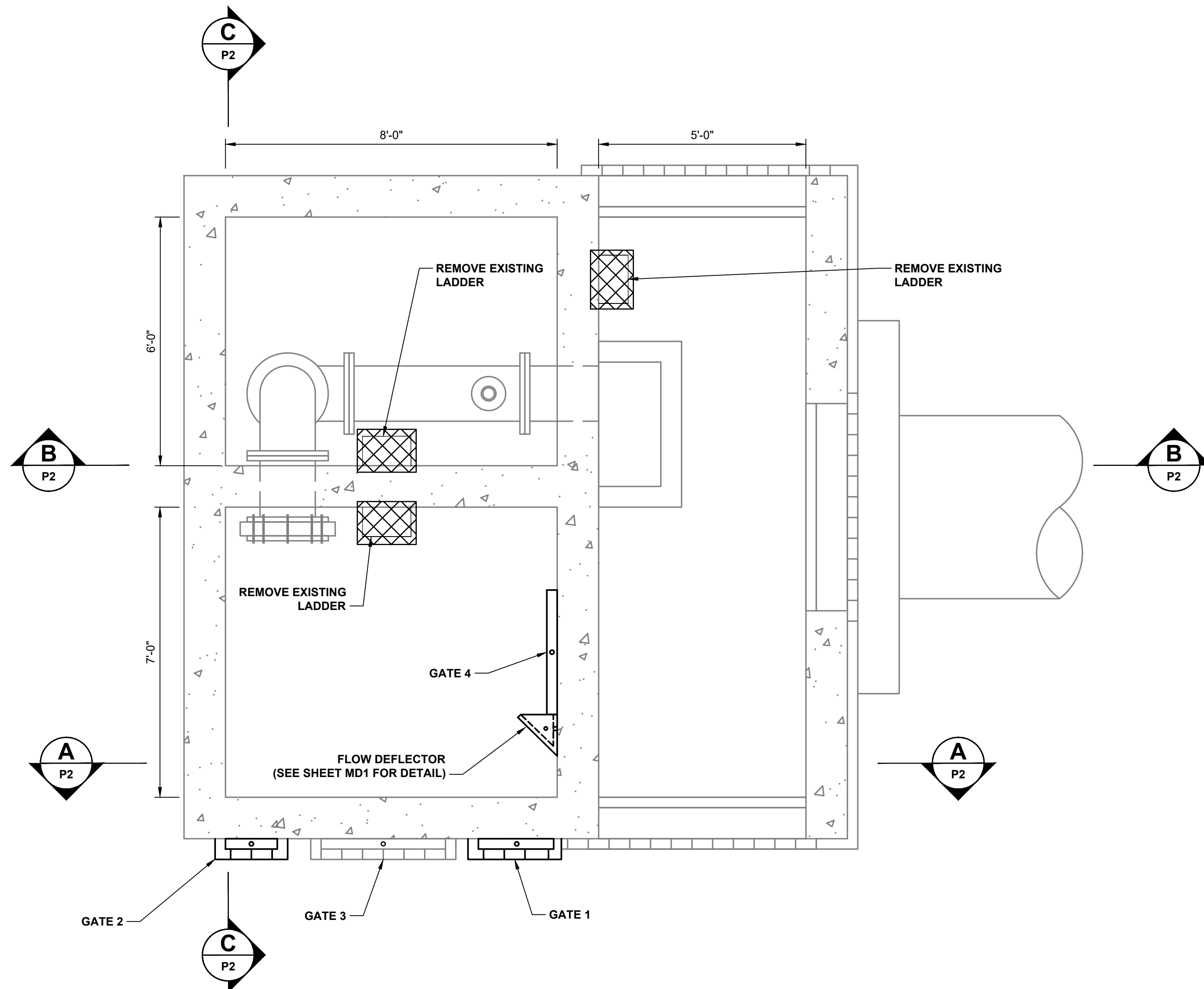
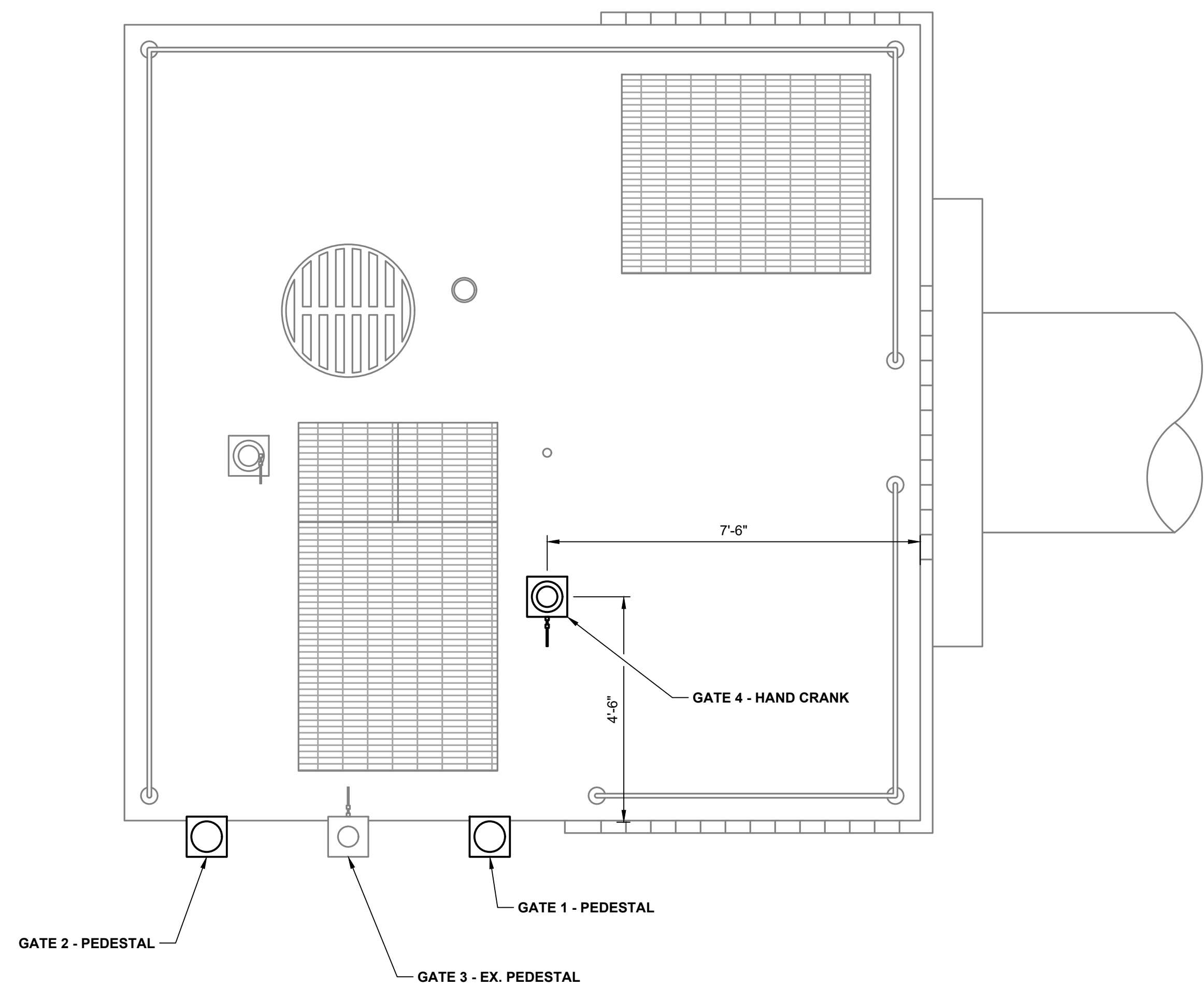
No.	Submittal / Revision	By	Date

Designed By: DAG	Drawn By: MJS	Checked By: DDJ
Issue Date: 11-4-22	Project No: D19104	Scale: AS SHOWN

GENERAL LOCATION MAP, PLAN SHEET INDEX, AND GENERAL NOTES

Drawing No:
G2
 Sheet: 02 OF 07

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GENERAL NOTES:

ALL ELEVATIONS SHOWN ARE REFERENCED FROM THE RECORD PLANS, WHICH ARE BASED ON THE NGVD29 VERTICAL DATUM. THE FOLLOWING CONVERSION WILL NEED TO BE APPLIED TO CONVERT ELEVATIONS TO NAVD88: NGVD - 0.42 = NAVD88



Signature: Dale A. Gick
Date: 11-4-22

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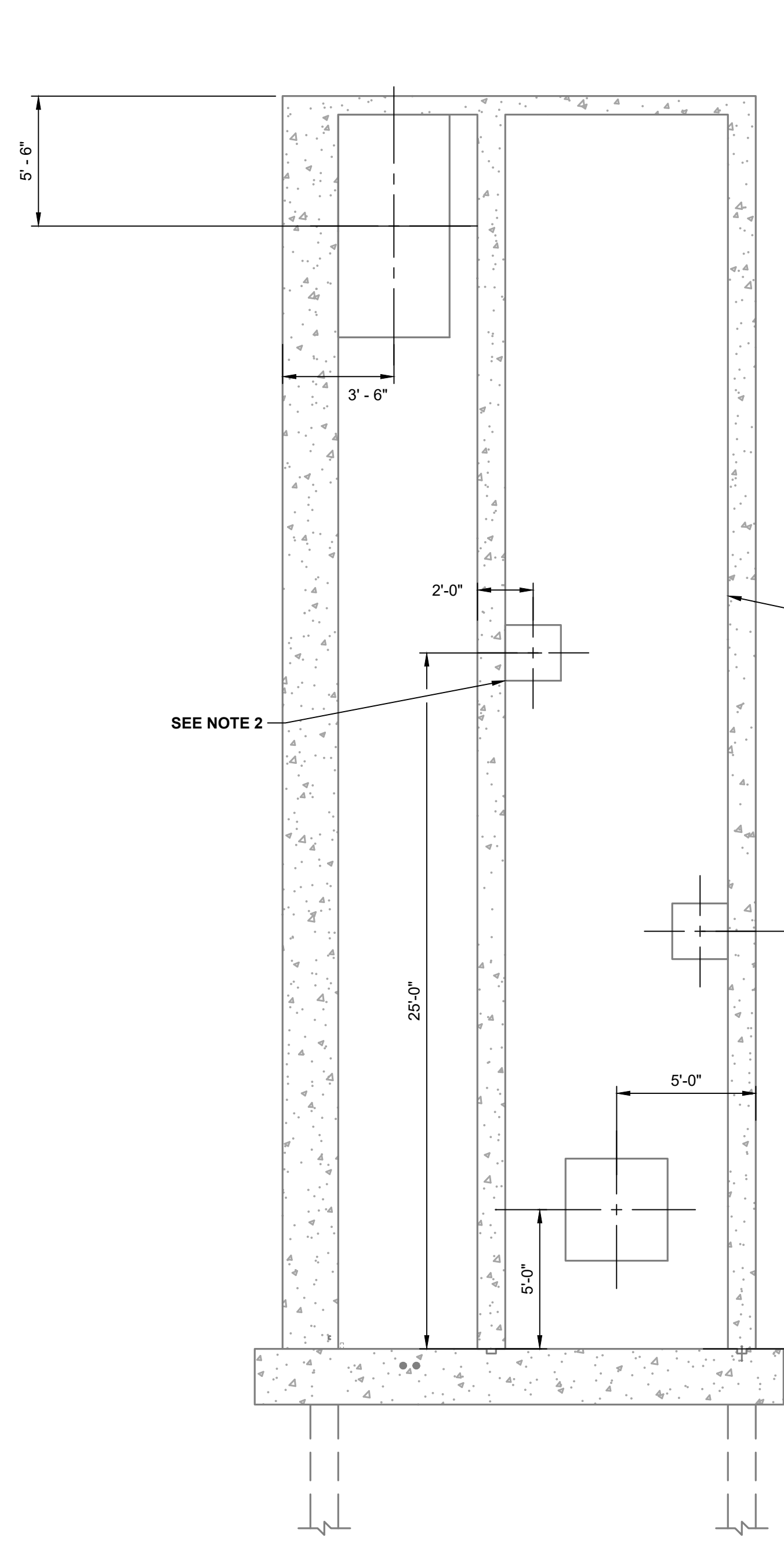
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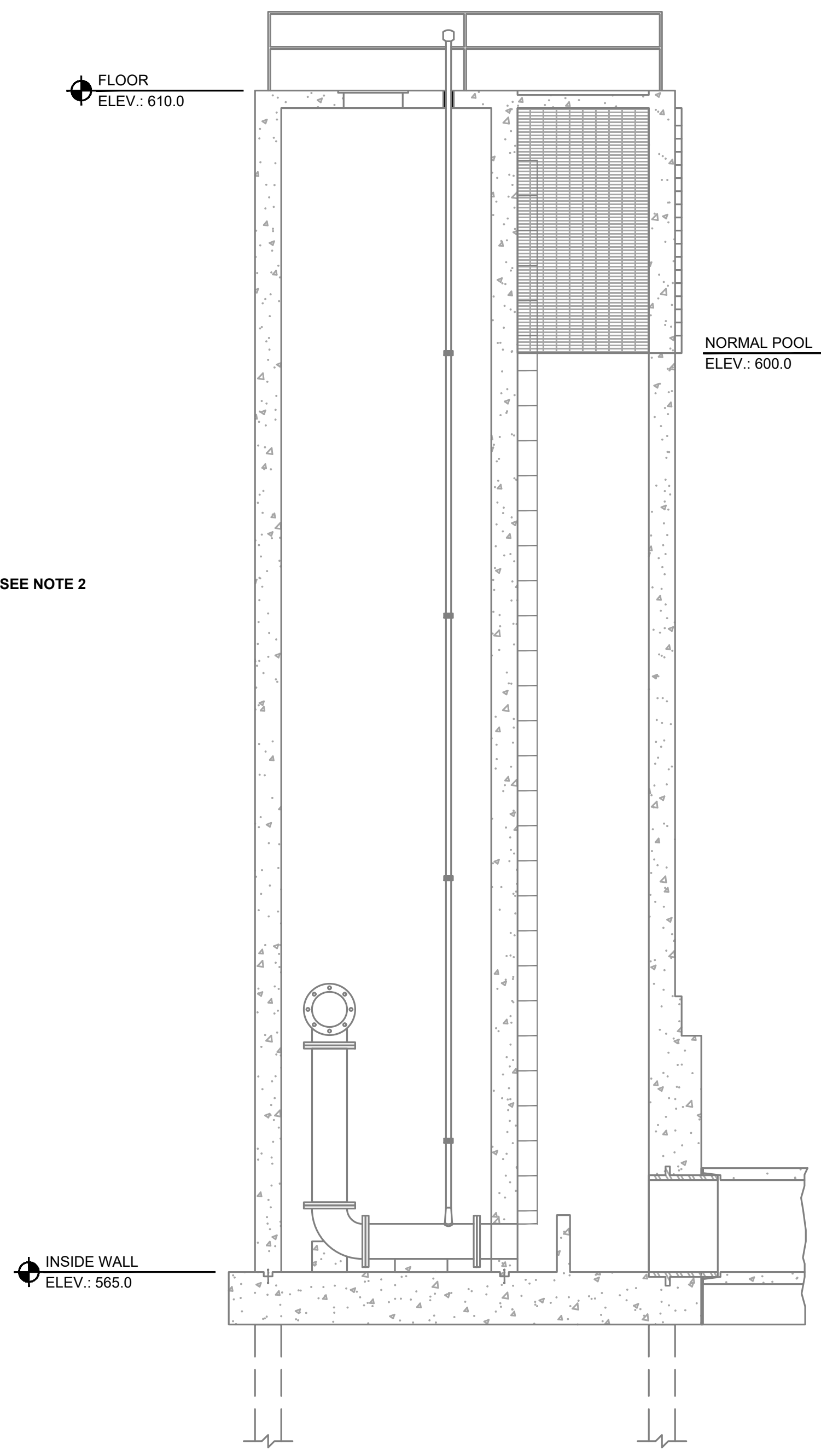
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Issue Date: 11-2-22	Project No: D19104	Scale: AS SHOWN

INTAKE STRUCTURE DETAILS - PLAN AND SECTION VIEWS

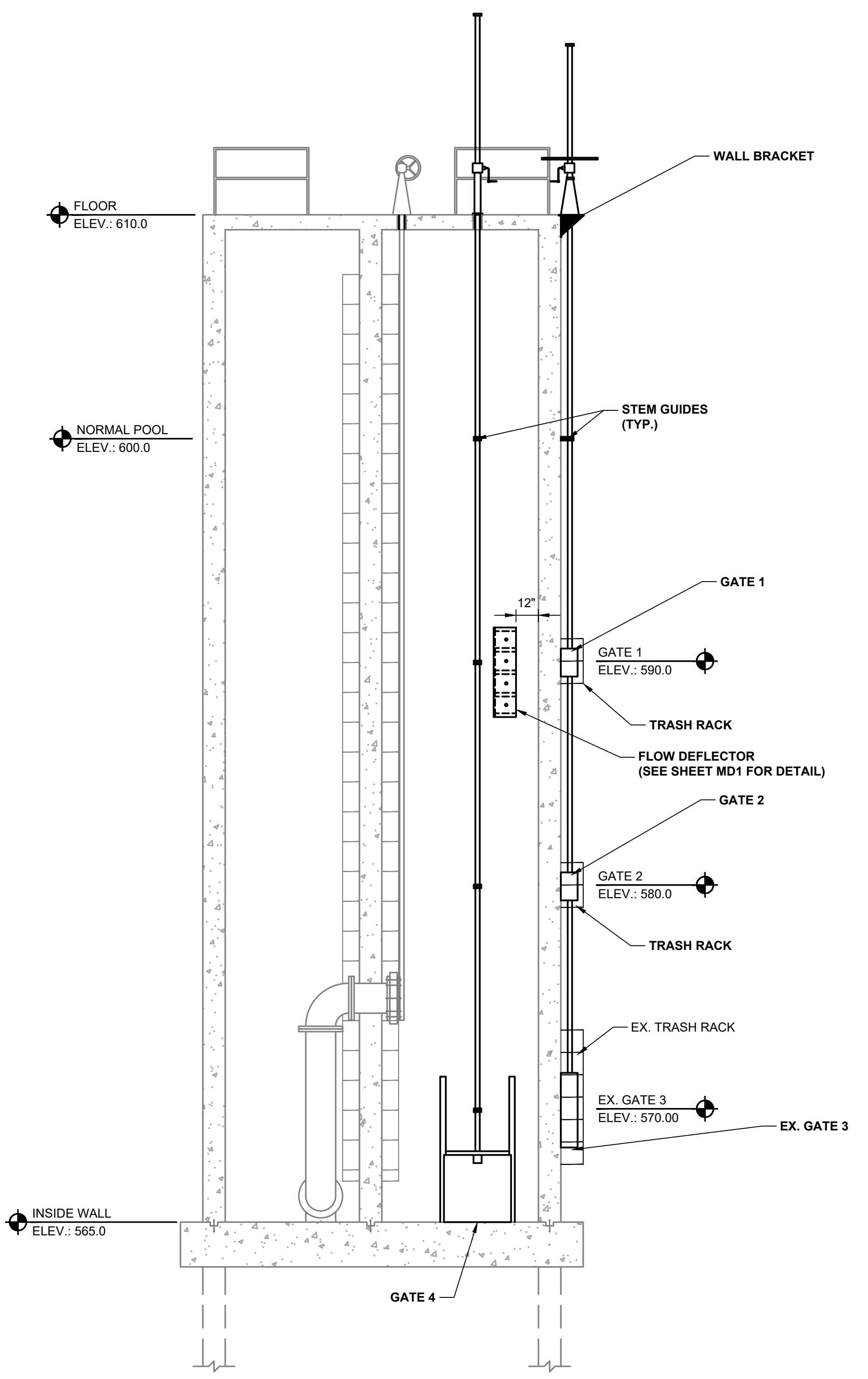
Drawing No: **P1**
Sheet: 03 OF 07



A SECTION A
 03 SCALE: 1/4"=1'-0"
 0 2 4 8



B SECTION B
 03 SCALE: 1/4"=1'-0"
 0 2 4 8



C SECTION C
 03 SCALE: 1/4"=1'-0"
 0 2 4 8

GENERAL NOTES:

1. ALL ELEVATIONS SHOWN ARE REFERENCED FROM THE RECORD PLANS, WHICH ARE BASED ON THE NGVD29 VERTICAL DATUM. THE FOLLOWING CONVERSION WILL NEED TO BE APPLIED TO CONVERT ELEVATIONS TO NAVD88: NGVD - 0.42 = NAVD88
2. ONLY CONCRETE STRUCTURE AND OPENINGS SHOWN IN SECTION A VIEW

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SCOTT COUNTY, IN 47708
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DALE A. GICK REGISTERED PROFESSIONAL ENGINEER
 NO. 10100195
 STATE OF INDIANA

Signature: *Dale A. Gick* Date: 11-4-22

INDIANA DEPARTMENT OF ADMINISTRATION
 HARDY LAKE DAM GATE REPAIR
 SCOTT COUNTY, INDIANA

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INTAKE STRUCTURE DETAILS - SECTION VIEWS

RECORD PLANS

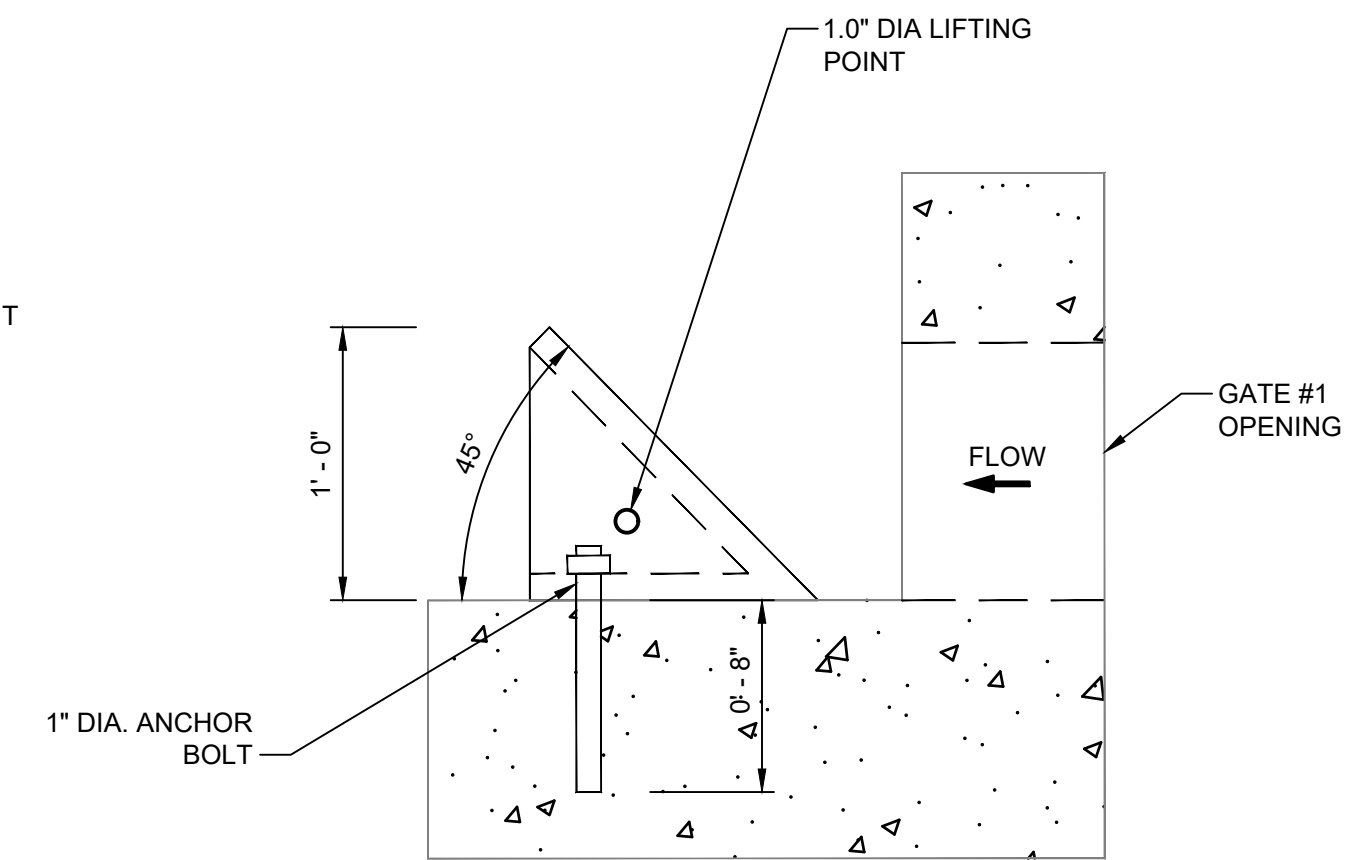
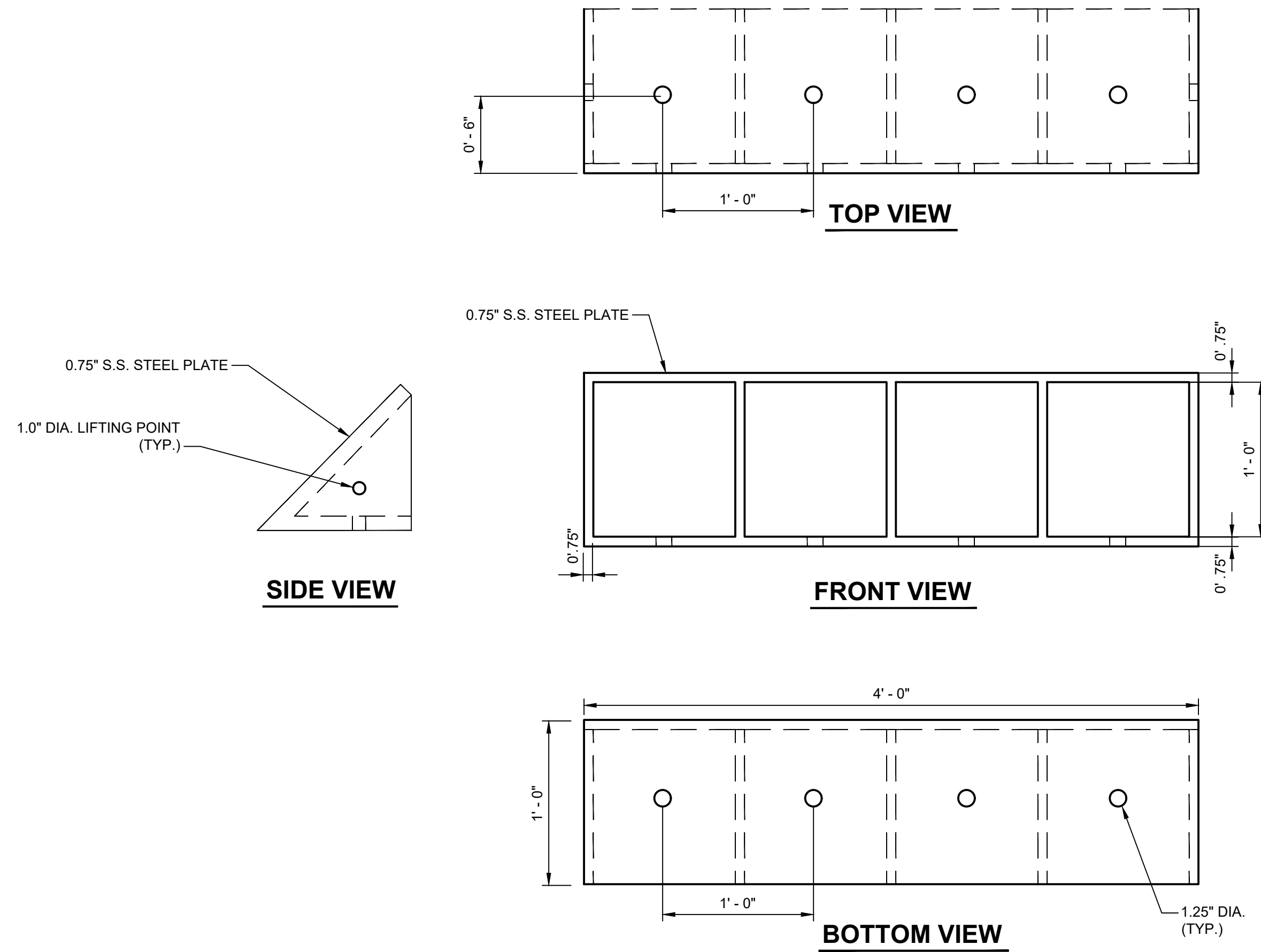
SLIDE GATE ID	SIZE	MODEL	INSIDE TOWER	SEATING/UNSEATING	MATERIAL	MOUNTING SURFACE	TYPE	OPENING	PEDESTAL	HANDLE	INVERT	NORMAL POOL ft-NGVD29	TOP OF RISER INTAKE ft-NGVD29	DAM CREST ft-NGVD29	MAX SEATING HEAD*	GATE CENTER ELEVATION ft-NGVD29	INVERT ELEVATION ft-NGVD29
1	RECT. 15" X 15"	ARMCO MODEL 50-10	NO	SEATING	CAST IRON	WALL THIMBLE	NON-SELF CONTAINED	UPWARD	WALL BRACKET	HANDWHEEL	WALL MOUNTED	600.00	610.00	615.00	25.00	590.00	589.38
2	RECT. 15" X 15"	ARMCO MODEL 50-10	NO	SEATING	CAST IRON	WALL THIMBLE	NON-SELF CONTAINED	UPWARD	WALL BRACKET	HANDWHEEL	WALL MOUNTED	600.00	610.00	615.00	35.00	580.00	579.38
3	RECT. 36" X 36"	ARMCO MODEL 50-10	NO	SEATING	CAST IRON	WALL THIMBLE	NON-SELF CONTAINED	UPWARD	WALL BRACKET	SLIDE - HAND CRANK	WALL MOUNTED	600.00	610.00	615.00	45.00	570.00	568.50
4	RECT. 36" X 36"	ARMCO MODEL 50-10	YES	SEATING	CAST IRON	WALL THIMBLE	NON-SELF CONTAINED	UPWARD	STRAIGHT PEDESTAL	SLIDE - HAND CRANK	WALL MOUNTED	600.00	610.00	615.00	48.00	567.00	565.50

PROPOSED

SLIDE GATE ID	SIZE	MODEL	INSIDE TOWER	SEATING/UNSEATING	MATERIAL	MOUNTING SURFACE	TYPE	OPENING	PEDESTAL	HANDLE	INVERT	NORMAL POOL ft-NGVD29	TOP OF RISER INTAKE ft-NGVD29	DAM CREST ft-NGVD29	MAX SEATING HEAD*	GATE CENTER ELEVATION ft-NGVD29	INVERT ELEVATION ft-NGVD29
1	21" X 21", 24" X 24", OR APPROVED EQUAL	TBD	NO	SEATING	STAINLESS STEEL	CONC. ANCHOR BOLT	NON-SELF CONTAINED	UPWARD	WALL BRACKET	HANDWHEEL	WALL MOUNTED	600.00	610.00	615	25.00	590.00	589.38
2	21" X 21", 24" X 24", OR APPROVED EQUAL	TBD	NO	SEATING	STAINLESS STEEL	CONC. ANCHOR BOLT	NON-SELF CONTAINED	UPWARD	WALL BRACKET	HANDWHEEL	WALL MOUNTED	600.00	610.00	615	35.00	580.00	579.38
3	ABANDONED IN PLACE**																
4	42" X 42", 48" X 48", OR APPROVED EQUAL	TBD	YES	SEATING	STAINLESS STEEL	CONC. ANCHOR BOLT	NON-SELF CONTAINED	UPWARD	STRAIGHT PEDESTAL	SLIDE - HAND CRANK	WALL MOUNTED	600.00	610.00	615	48.00	567.00	565.50

TABLE NOTES:

- * MEASURED FROM DAM CREST TO GATE CENTER ELEVATION.
- ** IN ADDITION TO ABANDONING GATE, REMOVE OPERATOR HANDLE, STEM AND STEM GUIDES.



NOTE:

AS VIEWED LOOKING UP FROM THE BOTTOM OF THE STRUCTURE.

ANCHOR DETAIL

GENERAL NOTES:

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INDIANAPOLIS NORTH OFFICE: 425 N. Meridian St., Indianapolis, IN 46204, (317) 888-1177

DALE A. GICK REGISTERED PROFESSIONAL ENGINEER
NO. 10100195
STATE OF INDIANA

Signature: *Dale A. Gick* Date: 11-4-22

INDIANA DEPARTMENT OF ADMINISTRATION
HARDY LAKE DAM GATE REPAIR
SCOTT COUNTY, INDIANA

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MISCELLANEOUS TABLES AND DETAILS

Drawing No: **MD1**
Sheet: 05 OF 07

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PHOTO NO. 1



PHOTO NO. 2



PHOTO NO. 3

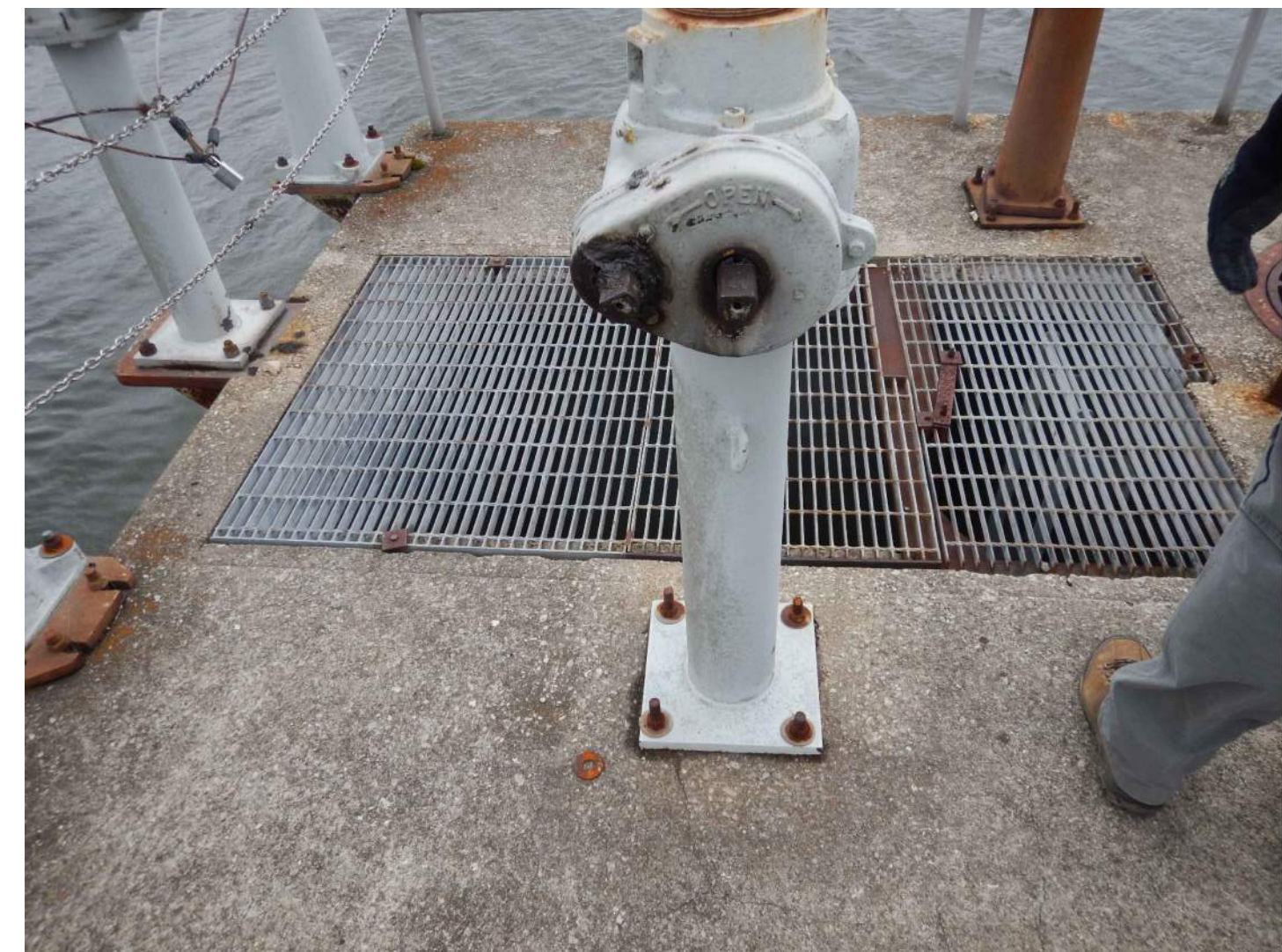


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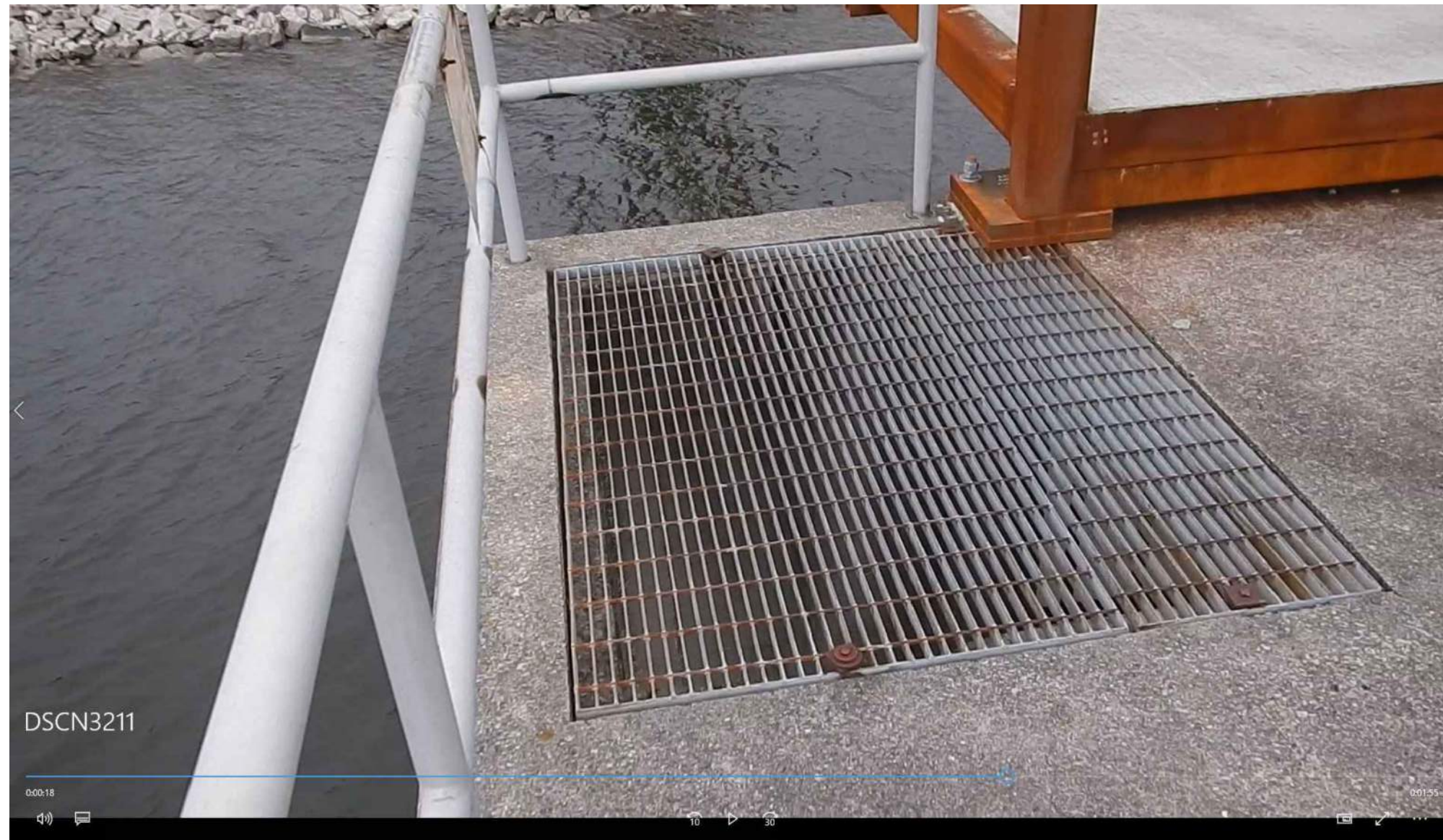


PHOTO NO. 5



PHOTO NO. 6

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DALE A. GICK
REGISTERED
NO. 10100195
STATE OF INDIANA
PROFESSIONAL ENGINEER

Dale A. Gick 11-4-22
Signature Date

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HARDY LAKE DAM GATE REPAIR
SCOTT COUNTY, INDIANA

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INTAKE STRUCTURE PHOTOS

Drawing No: **MD2**
Sheet: 06 OF 07

