

# BALWIN COUNTY COURTHOUSE PLUMBING SYSTEM UPGRADE

FOR

BALDWIN COUNTY COMMISSION

BAYMINETTE, ALABAMA

COMMISSIONER MR. JAMES E. BALL - DISTRICT 1  
COMMISSIONER MR. JOE DAVIS, III - DISTRICT 2  
COMMISSIONER MRS. BILLIE JO UNDERWOOD - DISTRICT 3  
COMMISSIONER MR. CHARLES F. GRUBER - DISTRICT 4

BY

H.M. YONGE & ASSOCIATES, INC.

CONSULTING ENGINEERS

253 ST. ANTHONY STREET

MOBILE, ALABAMA 36603

(251) 690-7446

JUNE 2022

## DRAWING INDEX

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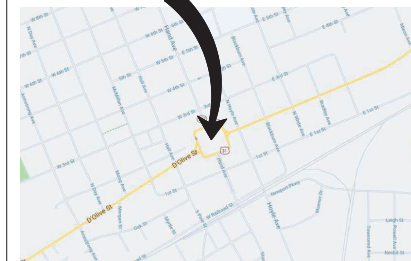
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## VICINITY MAP

LOCATION  
OF WORK



H.M. YONGE & ASSOCIATES, INC.  
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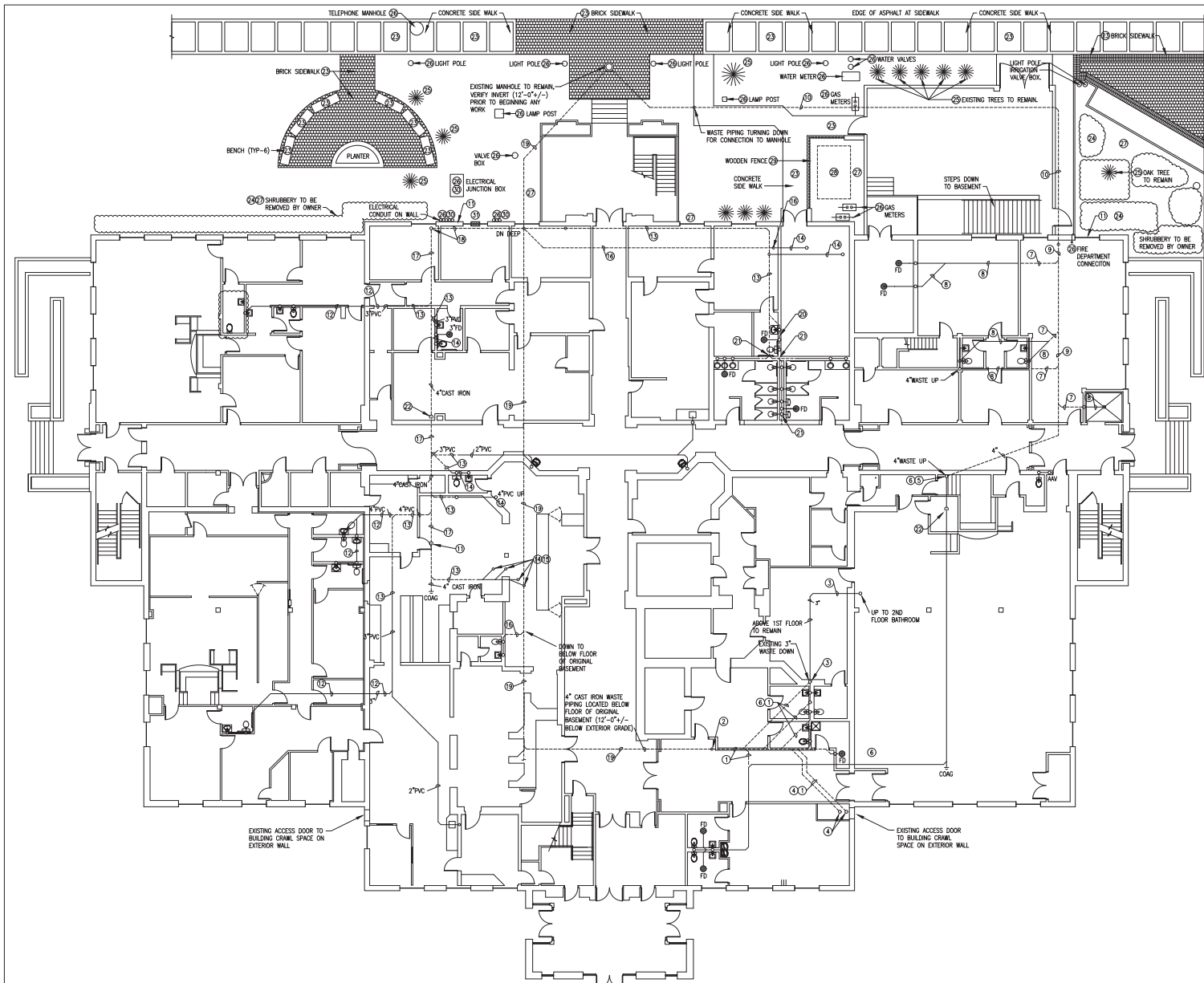
BALDWIN COUNTY COURTHOUSE  
PLUMBING SYSTEMS UPGRADE  
BAY MINETTE, ALABAMA

TITLE SHEET

SHEET NO. DATE: 06.22.2022 JOB NO. 20-019

T-1.1






**SANITARY WASTE PIPING DEMOLITION PLAN - FIRST FLOOR**  
SCALE: 3/32" = 1'-0"  
(NOTE: WASTE PIPING SHOWN THIS SHEET BELOW FIRST FLOOR IN CRAWL SPACE. REFERENCE SANITARY WASTE PIPING DEMOLITION PLAN - BASEMENT FOR ADDITIONAL INFORMATION)

**SANITARY WASTE DEMOLITION KEYNOTES**

- GENERAL COMMENT:  
PRIOR TO BEGINNING ANY DEMOLITION WORK SUCH AS NEW WORK SHALL BE ACCOMPLISHED AS POSSIBLE. DOWNTIME OF THE EXISTING BUILDING WASTE COLLECTION SYSTEM SHALL BE MINIMIZED. PLUMBING CONTRACTOR SHALL VERIFY PIPE SIZES AND MATERIALS OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK. REFERENCE DESCRIPTION OF WORK UNDER NEW WORK KEY NOTES.
- EXISTING WASTE PIPING IN HORIZONTAL AND VERTICAL POSITIONS BENEATH THE FIRST FLOOR IN CRAWL SPACE SHALL BE REMOVED TO AS HIGH AS POSSIBLE. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK PLAN. PREPARE OPEN ENDS OF PIPING FOR CONNECTION TO NEW PIPING PER NEW WORK PLAN. THE ARRANGEMENT OF THIS WASTE PIPING IS FOR INFORMATION ONLY AND REQUIRES VERIFICATION. THE EXTENT AND INTENT OF THE WORK IS REPRESENTED.
  - EXISTING BRANCH WASTE PIPING TURNING DOWN TO BELOW GRADE TO BE ABANDONED IN PLACE. CAP AND SEAL PIPING AIR TIGHT AND ROODENT PROOF ABOVE GRADE.
  - EXISTING WASTE PIPING ABOVE FIRST FLOOR CEILING TO REMAIN WITH VERTICAL RISER TURNING DOWN INTO CRAWL SPACE. VERIFY PIPING LOCATION PRIOR TO BEGINNING WORK.
  - EXISTING 4 INCH WASTE RISERS (2) UP IN CHASE SHALL REMAIN. REMOVE HORIZONTAL WASTE PIPING TO ACCOMMODATE CONNECTION TO NEW EASTERN BUILDING WASTE COLLECTION SYSTEM. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK PLAN AND EXISTING FIELD CONDITIONS. ONE WASTE RISER IS FROM ORIGINAL CONSTRUCTION AND THE OTHER IS FROM RENOVATION CONSTRUCTION.
  - EXISTING 4 INCH WASTE RISER DOWN FROM SECOND FLOOR TO REMAIN. MODIFY HORIZONTAL PIPING FOR CONNECTION TO NEW WASTE PIPING COLLECTION SYSTEM.
  - PLUMBING CONTRACTOR SHALL COORDINATE LIMITS OF CONSTRUCTION WITH NEW WORK PLAN IN CONJUNCTION WITH AVAILABLE SPACE BELOW FIRST FLOOR AND DEPTH OF EXISTING RISER TO REMAIN. REFERENCE NEW WORK PLAN.
  - EXISTING BRANCH WASTE PIPING (TO BE FIELD VERIFIED AS A 4 INCH CAST IRON) TO BE REMOVED. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK PLAN. PREPARE OPEN ENDS OF PIPING FOR EXTENSION AND CONNECTION TO NEW BUILDING WASTE COLLECTION SYSTEM.
  - EXISTING WASTE PIPING TO REMAIN UNLESS OTHERWISE NOTED. PIPING IS LOCATED ABOVE CEILING OF BASEMENT FLOOR.
  - EXISTING BUILDING WASTE COLLECTION SYSTEM TO BE REMOVED TO ACCOMMODATE INSTALLATION (SLOPE/FALL) OF NEW EASTERN BUILDING WASTE COLLECTION SYSTEM. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK PLAN. PIPING TO BE REMOVED IS LOCATED ABOVE CEILING ELEVATION OF BASEMENT FLOOR. CAP AND SEAL WASTE PIPING REMAINING ON INTERIOR OF BUILDING AIR TIGHT AND ROODENT PROOF.
  - EXISTING WASTE PIPING EXTERIOR OF BUILDING TO BE ABANDONED IN PLACE.
  - PLUMBING CONTRACTOR TO COORDINATE PENETRATING EXISTING WALL FOR INSTALLATION OF NEW BUILDING WASTE COLLECTION SYSTEM. WALL PENETRATION SHALL BE FOR A COMPLETELY NEW OPENING (8 INCHES IN DIAMETER). A LUNEL (8 x 6 x .25 GALVANIZED STEEL ANGLE) SHALL BE INSTALLED ON BOTH SIDES OF THE WALL. EXTEND LUNEL FOR 24 INCHES BEYOND CENTER LINE OF WALL OPENING.
  - EXISTING WASTE PIPING TO REMAIN. PIPING IS LOCATED BENEATH FLOOR OF WEST WING ADDITION. PIPING PENETRATES EXISTING ORIGINAL EXTERIOR WALL INTO CRAWL SPACE BEHIND FIRST FLOOR.
  - EXISTING BRANCH WASTE PIPING IN CRAWL SPACE TO BE DISCONNECTED FROM EXISTING WASTE COLLECTION PIPING. PREPARE REMAINING BRANCH PIPE OPENING FOR EXTENSION AND CONNECTION TO NEW WASTE (WESTERN) COLLECTION SYSTEM PER NEW WORK PLAN. SEAL PIPING TURNING DOWN TO BELOW GRADE.
  - EXISTING SYSTEM WASTE PIPING TO REMAIN. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK PLAN.
  - PLUMBING CONTRACTOR TO VERIFY WHETHER WASTE PIPING IS ACTIVE. ANY INACTIVE PIPING SHALL BE REMOVED TO GREATEST EXTENT POSSIBLE WITHOUT DEMOLITION AND CAPPED AIR TIGHT TO BE ROODENT PROOF.
  - EXISTING WASTE PIPING EXTENDS DOWN TO BELOW GRADE BENEATH CRAWL SPACE FOR CONNECTION TO EXISTING MAIN WASTE COLLECTION SYSTEM. REMOVE VERTICAL AND HORIZONTAL PIPING AS HIGH AS POSSIBLE IN COORDINATION WITH NEW WORK PLAN. PREPARE EXISTING PIPING OPENING FOR EXTENSION AND CONNECTION TO NEW WESTERN BUILDING WASTE COLLECTION SYSTEM. CAP AND SEAL WASTE PIPING GOING DOWN TO BELOW GRADE ROODENT PROOF.
  - EXISTING WASTE COLLECTION PIPING TO BE REMOVED. COORDINATE REMOVAL WITH NEW WORK PLAN TO MINIMIZE DOWNTIME OF SANITARY WASTE SYSTEM.
  - EXISTING WASTE COLLECTION PIPING BELOW GRADE OF CRAWL SPACE TO BE ABANDONED IN PLACE. CAP AND SEAL PIPING TO BE ROODENT PROOF.
  - EXISTING MAIN BUILDING WASTE COLLECTION PIPING TO REMAIN AND ABANDONED IN PLACE. PIPING SHALL BE FLUSHED CLEAN TO GREATEST EXTENT POSSIBLE AND SEALED AT MANHOLE TO BE ROODENT PROOF. COORDINATE CONSTRUCTION OF NEW COLLECTION SYSTEM WITH NEW WORK PLAN.
  - PLUMBING CONTRACTOR TO INSTALL NEW WASTE PIPING FOR THIS BATHROOM TO ENSURE PROPER USE OF FITTINGS AND PIPING CONNECTIONS.
  - WASTE PIPING SERVING BOTH BATHROOM GROUPS TO BE PARTIALLY REMOVED TO ACCOMMODATE A NEW WASTE FLOW DIRECTION (REVERSE). PREPARE PIPING IN COORDINATION WITH NEW WORK PLAN.
  - EXISTING WALL OPENING SHALL BE INCREASED IN SIZE TO ACCOMMODATE NEW WASTE PIPING COLLECTION SYSTEM. WALL OPENING SHALL BE INCREASED IN DIRECTION OF NEW WASTE COLLECTION SYSTEM. INSTALL NEW LUNEL AS DESCRIBED PER KEY NOTE #11.
  - PLUMBING CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF THE EXISTING CONCRETE SIDEWALK AND BRICK SIDEWALK TO ACCOMMODATE INSTALLATION OF THE NEW WASTE AND DOMESTIC WATER PIPING. PATTERNS OF DESIGN IN THE CONCRETE SIDEWALKS AND IN THE BRICK SIDEWALKS SHALL BE MAINTAINED WITH THE INSTALLATION OF THE NEW SIDEWALKS. INCLUDE WITH REMOVAL AND REPLACEMENT OF SIDEWALKS SEATING BENCHES. REFERENCE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
  - PLUMBING CONTRACTOR TO BE RESPONSIBLE FOR COORDINATING WITH OWNER TO HAVE SHRUBBERY REMOVED PRIOR TO BEGINNING ANY WORK EXTERIOR OF THE COURTHOUSE BUILDING. THE OWNER SHALL BE RESPONSIBLE FOR REMOVING THE SHRUBBERY AND REPLACING THE SHRUBBERY ONCE THE PROJECT IS COMPLETE.
  - PLUMBING CONTRACTOR SHALL TAKE PRECAUTIONS FOR PROTECTING EXISTING TREES. PRIOR TO BEGINNING ANY WORK, A ROUTING FOR THE WASTE PIPING SHALL BE FINISHED WITH THE OWNER TO ESTABLISH THE NEED FOR PROTECTING THE EXISTING TREES FROM DAMAGE.
  - PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES. THESE UNDERGROUND UTILITIES INCLUDE WATER PIPING, IRRIGATION SPRINKLER PIPING, GAS PIPING, ELECTRICAL POWER, WASTE PIPING, AND ETC. UTILITY SYSTEM COMPONENTS HAVE BEEN LOCATED THAT ARE ABOVE GROUND AS A REFERENCE POINT LOCATING THE UTILITY SYSTEMS. DUE TO THE MULTITUDE OF UNDERGROUND UTILITY SYSTEMS HAND LOGGING FOR THE FIRST 36 INCHES BELOW GRADE SHALL BE REQUIRED. FINDING THE SUCCESS OF THE HAND LOG TRENCHES OTHER OPTIONS MAY BE EMPLOYED FOR DEEPER DEPTH OF TRENCHING.
  - IRRIGATION SPRINKLER PIPING AND SPRINKLER PIPING ARE LOCATED IN THIS AREA.
  - CONCRETE HOUSEKEEPING PAD TO BE REMOVED TO ACCOMMODATE INSTALLATION OF NEW UTILITY PIPING.
  - EXISTING WOODEN FENCE TO BE REMOVED AND REPLACED TO ACCOMMODATE INSTALLATION OF NEW UTILITY PIPING.
  - EXISTING UNDERGROUND ELECTRICAL BOX AND CONDUIT EXPOSED ON EXTERIOR WALL TO REMAIN. DO NOT DISTURB. ALL TRENCHING IN THIS AREA SHALL BE BY HAND.
  - EXISTING CONCRETE WALL TO BE "SAW CUT" TO CREATE AN OPENING OF 18"x24". WALL OPENING SHALL DUPLICATE EXISTING OPENING LOCATED IN SOUTHWEST CORNER OF THE BUILDING. BOTTOM OF OPENING TO BE 4" TO 6" ABOVE GRADE. FINAL POSITION OF OPENING SHALL BE DETERMINED BY THE WINDOW AND ADJUSTED TO ACCOMMODATE FIELD CONDITIONS. COORDINATE LOCATION WITH ENGINEER PRIOR TO BEGINNING ANY DEMOLITION WORK. REFERENCE NEW WORK PLAN FOR ADDITIONAL INFORMATION.

**H.M. YONGE & ASSOCIATES, INC.**  
CONSULTING ENGINEERS // EST. 1968  
  
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PHONE: (850)434-2661

**PROJECT:**  
**SANITARY WASTE PIPING DEMOLITION PLAN - FIRST FLOOR**

**DRAWING:**  
**PD-1.2**

**REVISIONS:**  
NO. DATE: 


**SEAL:**  
TITLE: 


**DATE:** 06.22.2022  
**JOB NO.:** 20-019

**BALDWIN COUNTY COURTHOUSE**  
**PLUMBING SYSTEMS UPGRADE**  
BAY MINETTE, ALABAMA

**16/07/2018**



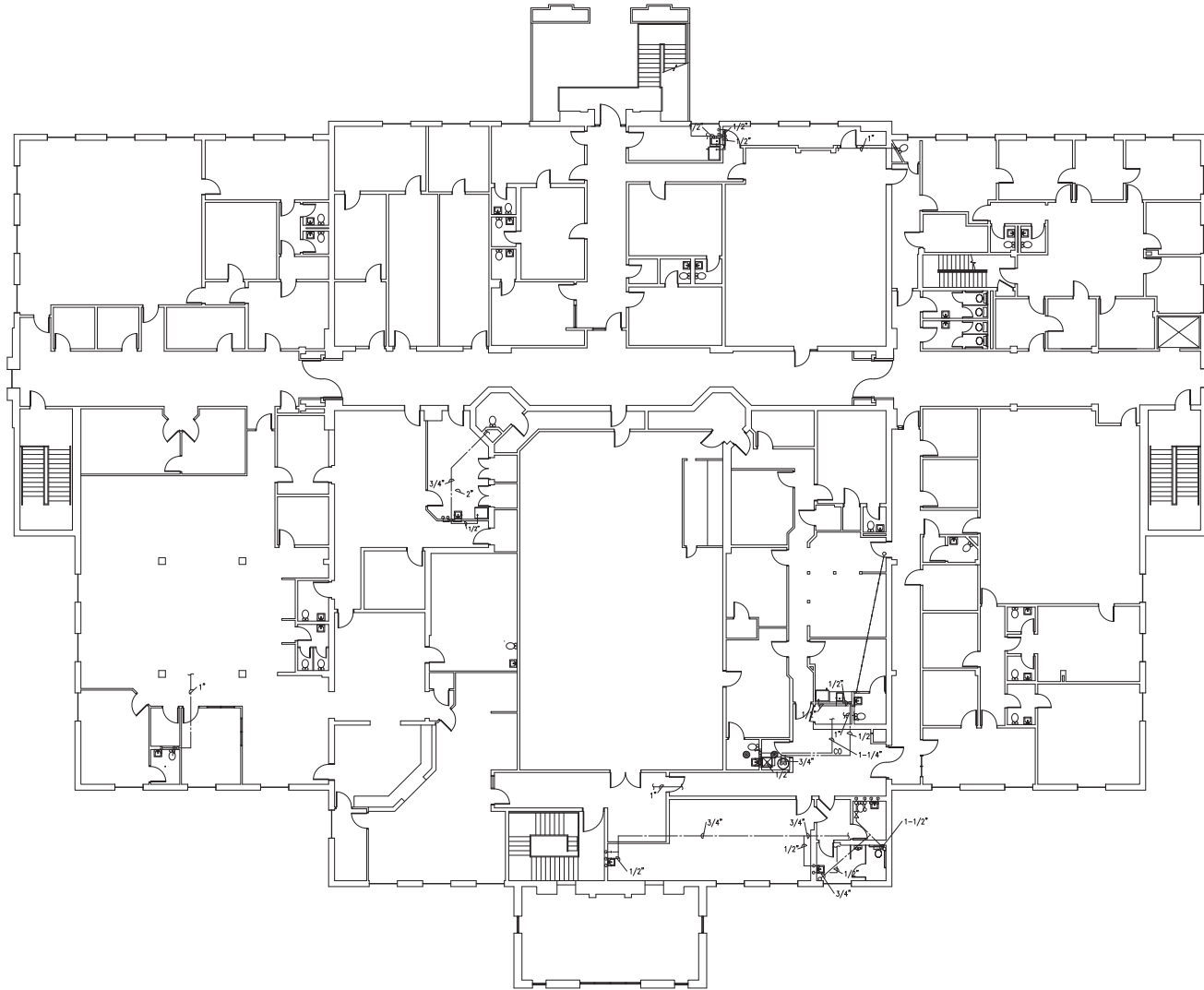


SCALE: 3/32" = 1'-0"

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# DOMESTIC WATER PIPING DEMOLITION PLAN - SECOND FLOOR

SCALE: 3/32" = 1'-0"

(NOTE: PIPING SHOWN THIS SHEET IS ABOVE CEILING OF SECOND FLOOR. THIS PIPING SHOWN FOR INFORMATION ONLY - THERE IS NOT ANY WORK REQUIRED OF THIS SHEET)

DRAWING: DOMESTIC WATER PIPING DEMOLITION PLAN - SECOND FLOOR  
SHEET NO: PD-1.6  
DATE: 06.22.2022  
JOB NO: 20-019

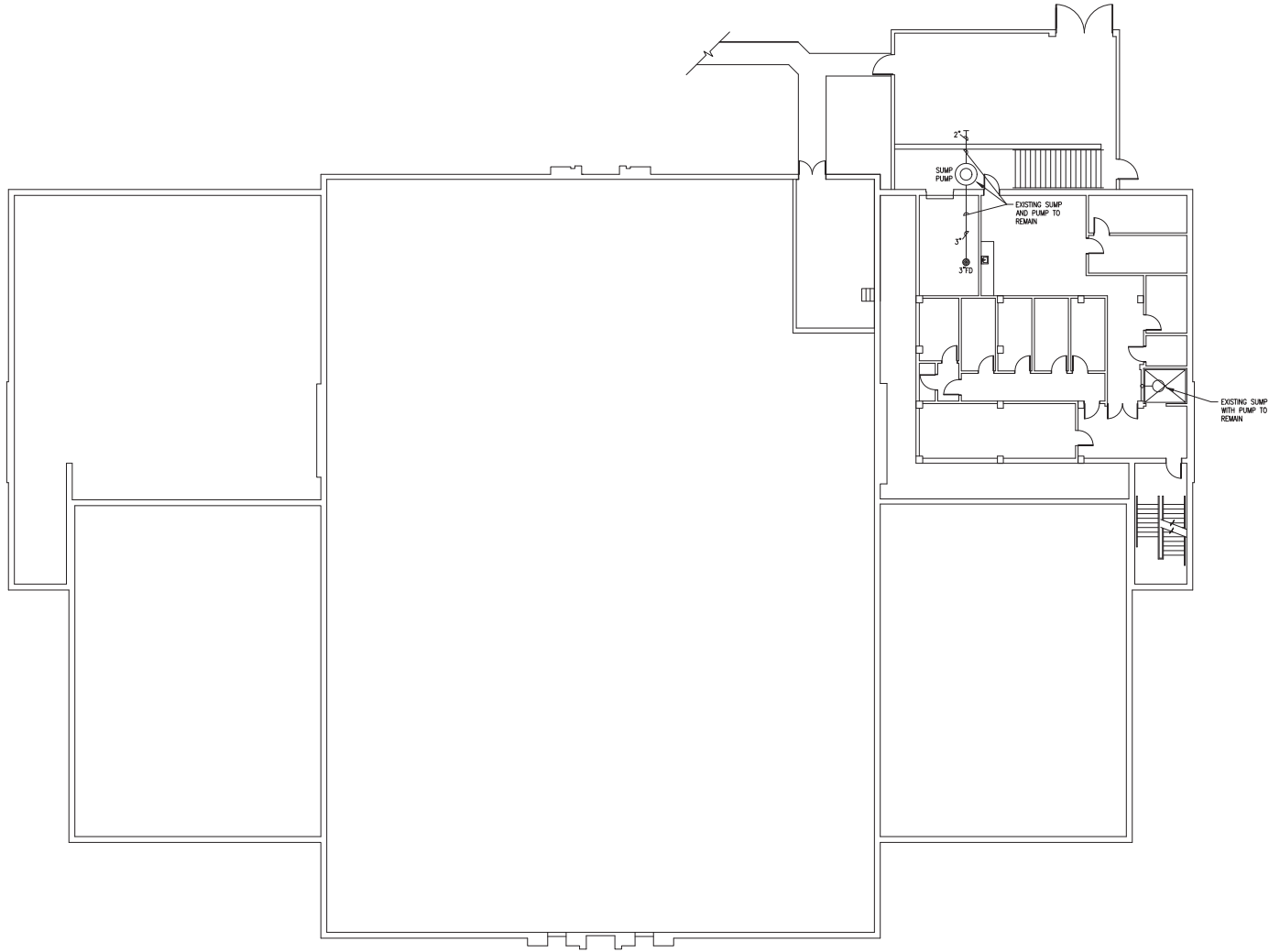
PROJECT: BALDWIN COUNTY COURTHOUSE PLUMBING SYSTEMS UPGRADE  
BAY MINETTE, ALABAMA

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NO.	DATE:		

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# SANITARY WASTE PIPING NEW WORK PLAN - BASEMENT

SCALE: 3/32" = 1'-0"

(NOTE: REFERENCE SANITARY WASTE PIPING NEW WORK PLAN - FIRST FLOOR FOR ADDITIONAL INFORMATION THIS AREA)

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REVISIONS:

NO.	DATE:	TITLE:

PROJECT:

**BALDWIN COUNTY COURTHOUSE  
PLUMBING SYSTEMS UPGRADE**  
BAY MINETTE, ALABAMA

DRAWING: SANITARY WASTE  
PIPING NEW WORK  
PLAN - BASEMENT

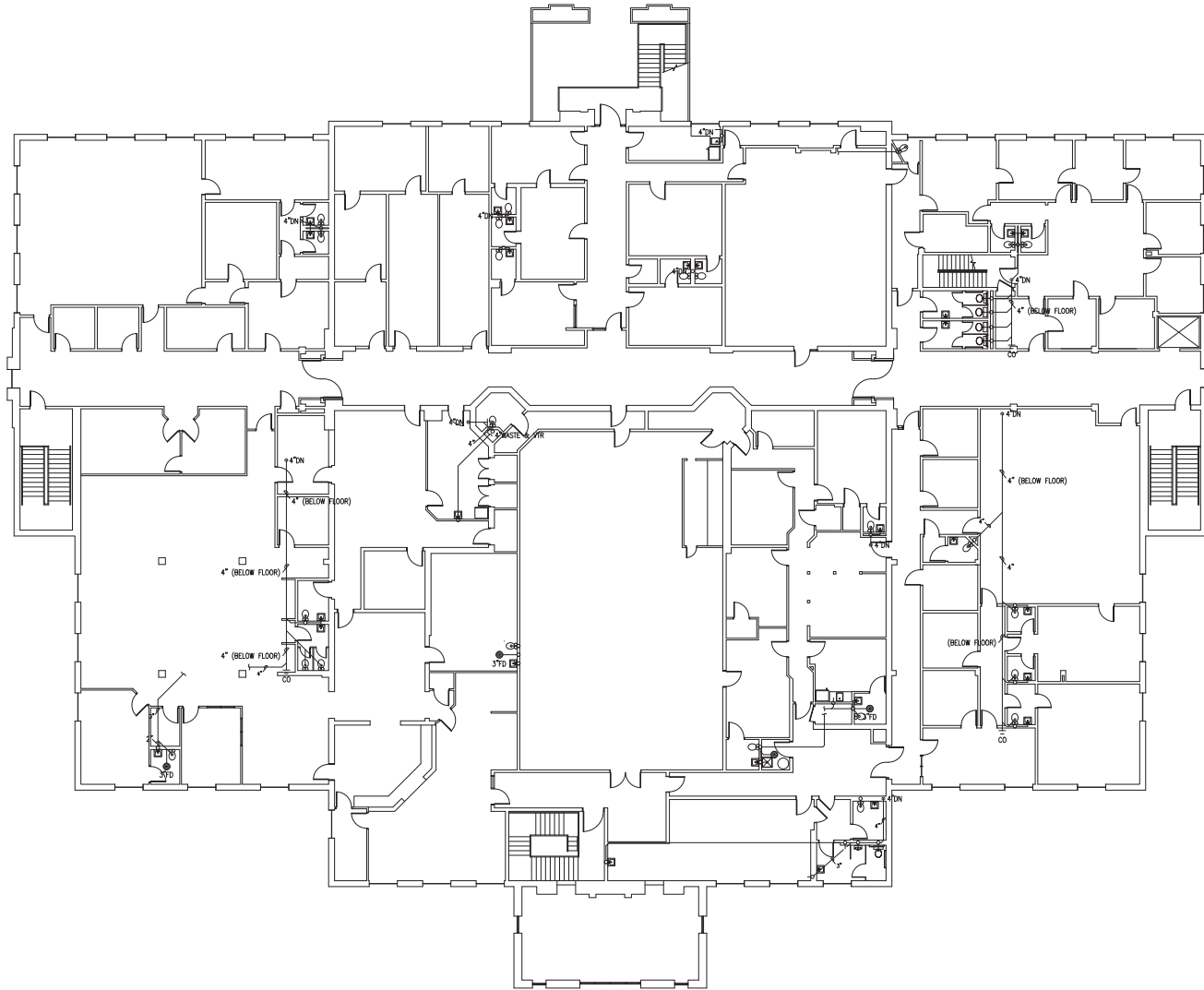
DATE: 06.22.2022

JOB NO: 20-019

**P-1.1**







**SANITARY WASTE PIPING NEW WORK PLAN - SECOND FLOOR**

SCALE: 3/32" = 1'-0"

(NOTE: WASTE PIPING SHOWN THIS SHEET IS BELOW FLOOR OF SECOND FLOOR. THIS PIPING IS SHOWN FOR INFORMATION ONLY - THERE IS NOT WORK REQUIRED OF THIS SHEET)

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SEAL:

TITLE:

NO. DATE:

PROJECT: **BALDWIN COUNTY COURTHOUSE PLUMBING SYSTEMS UPGRADE**  
BAY MINETTE, ALABAMA

PROJ. NO.:

DRAWING: **SANITARY WASTE PIPING NEW WORK PLAN - SECOND FLOOR**

DATE: 06.22.2022

JOB NO: 20-019

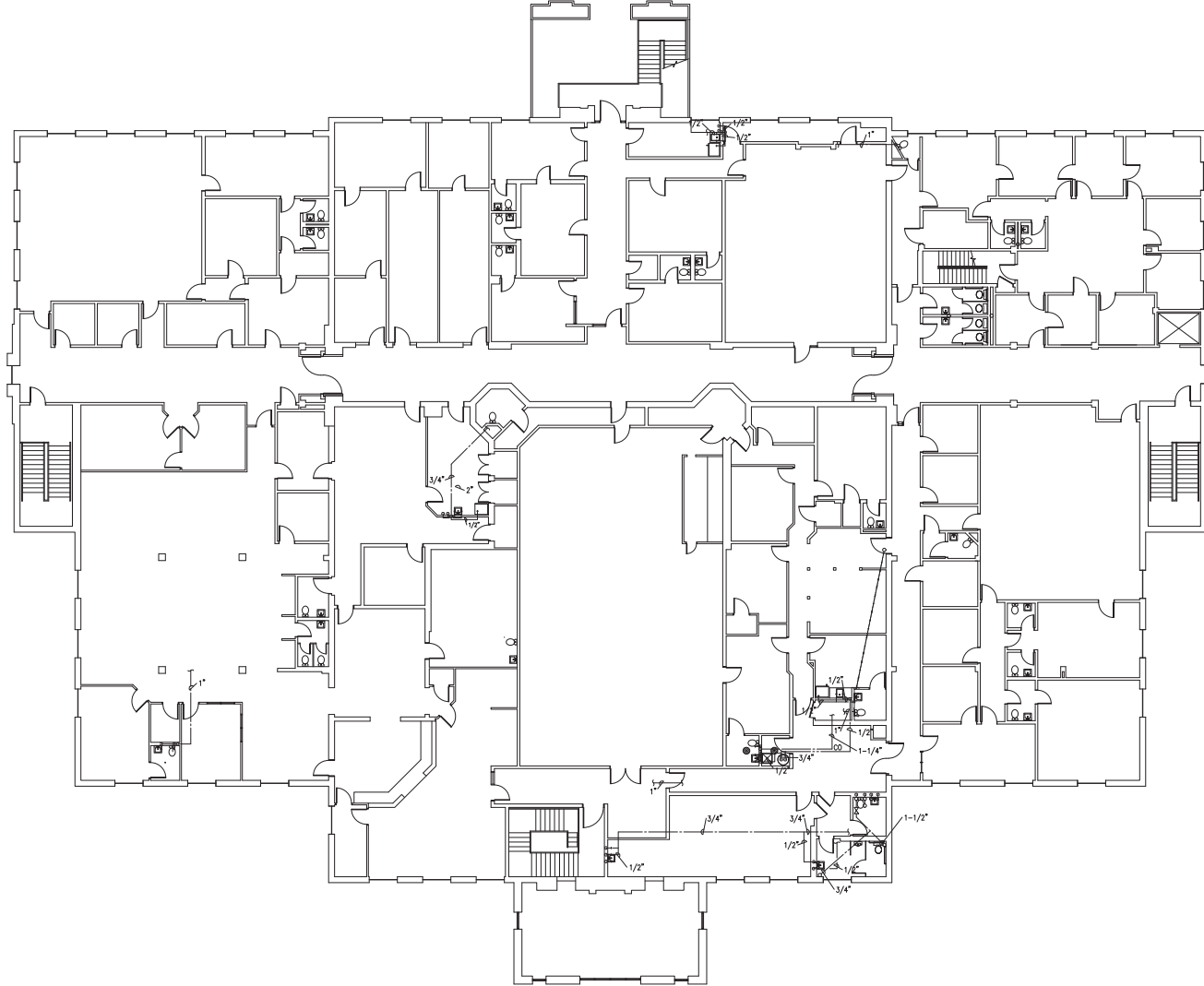
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SCALE: 3/32" = 1'-0"

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# DOMESTIC WATER PIPING NEW WORK PLAN - SECOND FLOOR

SCALE: 3/32" = 1'-0"

(NOTE: PIPING SHOWN THIS SHEET IS ABOVE CEILING OF SECOND FLOOR. THIS PIPING SHOWN FOR INFORMATION ONLY - THERE IS NOT ANY WORK REQUIRED OF THIS SHEET)


DRAWING:  
DOMESTIC WATER  
PIPING NEW WORK  
PLAN - SECOND FLOOR  
SHEET NO:  
**P-1.6**

DATE: 06.22.2022  
JOB NO: 20-019

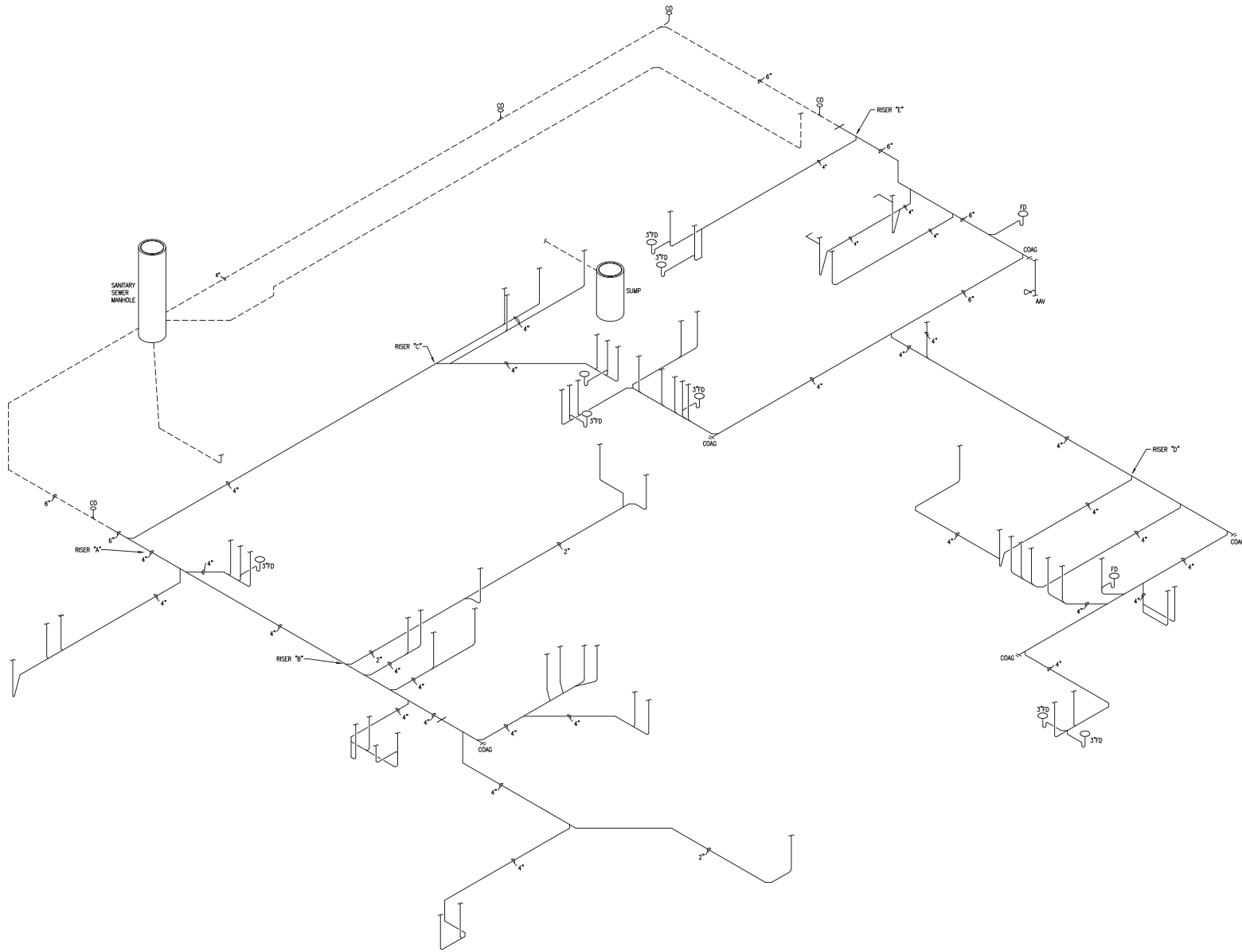
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**SANITARY WASTE RISER DIAGRAM**  
SCALE: NONE

DRAWING: <b>SANITARY WASTE          RISER DIAGRAM</b>	PROJECT: <b>BALDWIN COUNTY COURTHOUSE          PLUMBING SYSTEMS UPGRADE</b> BAY MINETTE, ALABAMA		REVISIONS: <table border="1"> <tr> <th>NO.</th> <th>DATE:</th> <th>TITLE:</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DATE:	TITLE:													SEAL: <table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>					
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SHEET NO: <b>P-2.1</b>	DATE: 06.22.2022	JOB NO: 20-019																						



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