

# TMUA PROJECT No. WPC 26-4,

## FY '26 SOUTHSLOPE CAPITAL EQUIPMENT REPLACEMENTS

ATTENDANCE AT PRE-BID CONFERENCE IS MANDATORY

PREPARED BY:  
Samuel H. Ray, P.E.  
City of Tulsa Water and Sewer Department  
5300 S. Elwood Ave., Tulsa, OK 74103  
918-591-4482  
sray@cityoftulsa.org



*Samuel H. Ray*

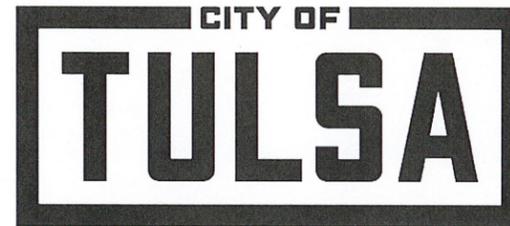
Samuel H. Ray, P.E. OK#20918

12-Feb-2026  
Date

*Cindy Cantero*

Cindy Cantero, Water Pollution Control Manager

2-13-26  
Date



**WATER AND SEWER**

ERIC LEE, DIRECTOR  
WATER AND SEWER DEPARTMENT

Eric Lee, Director, Water & Sewer Dept.

*MW 2.17.26*

2-20-2026  
Date

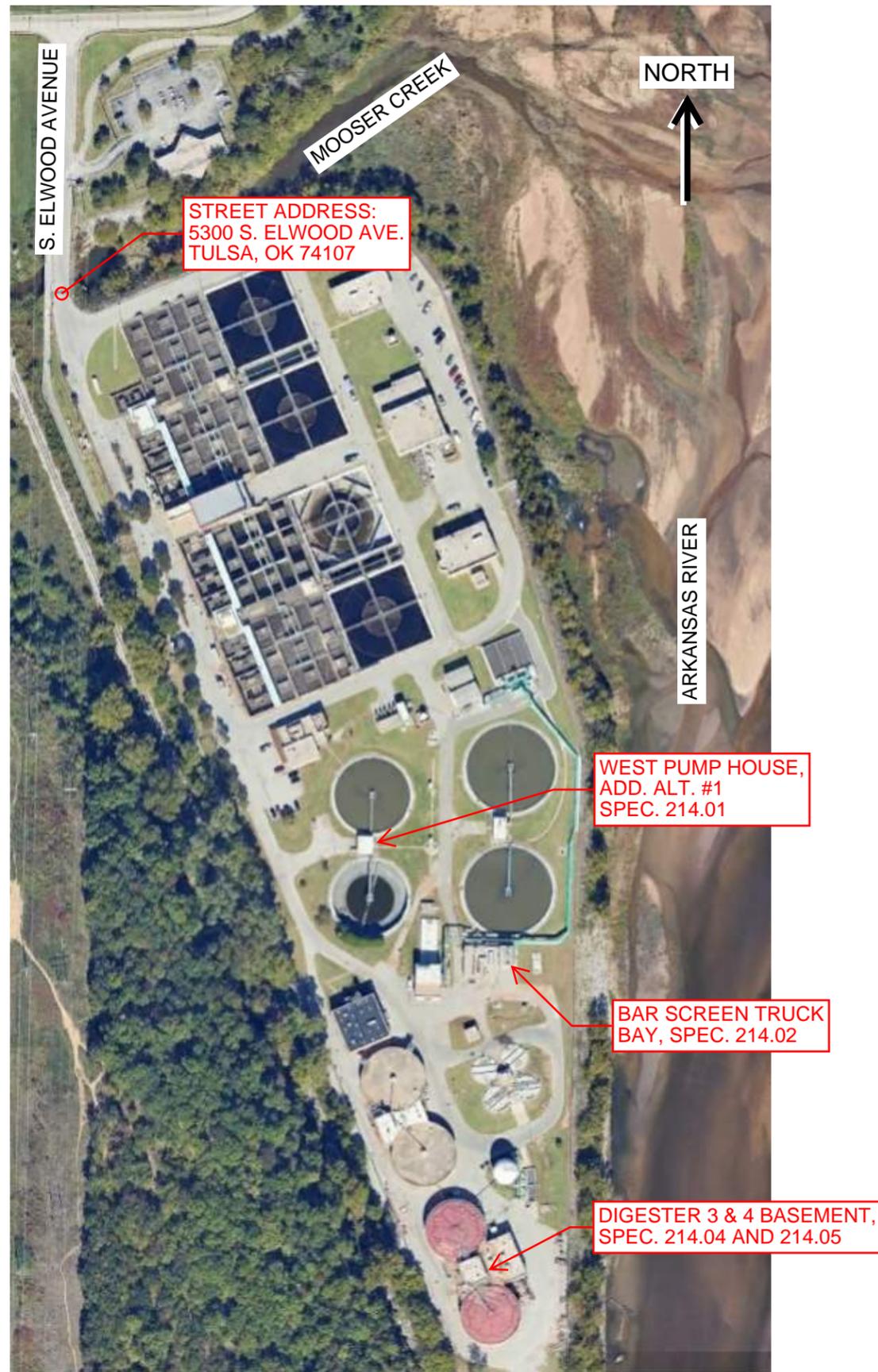
Account Number: 7503362 544003

**Note: The Drawings attached hereto as part of these Specifications are for information purposes only. The Authority makes no representation or guarantee with respect to the accuracy of any information contained in the Drawings. It is the Contractor's responsibility to verify information on the drawings to ensure the equipment installed or controlled by work performed under this Contract performs as specified herein.**

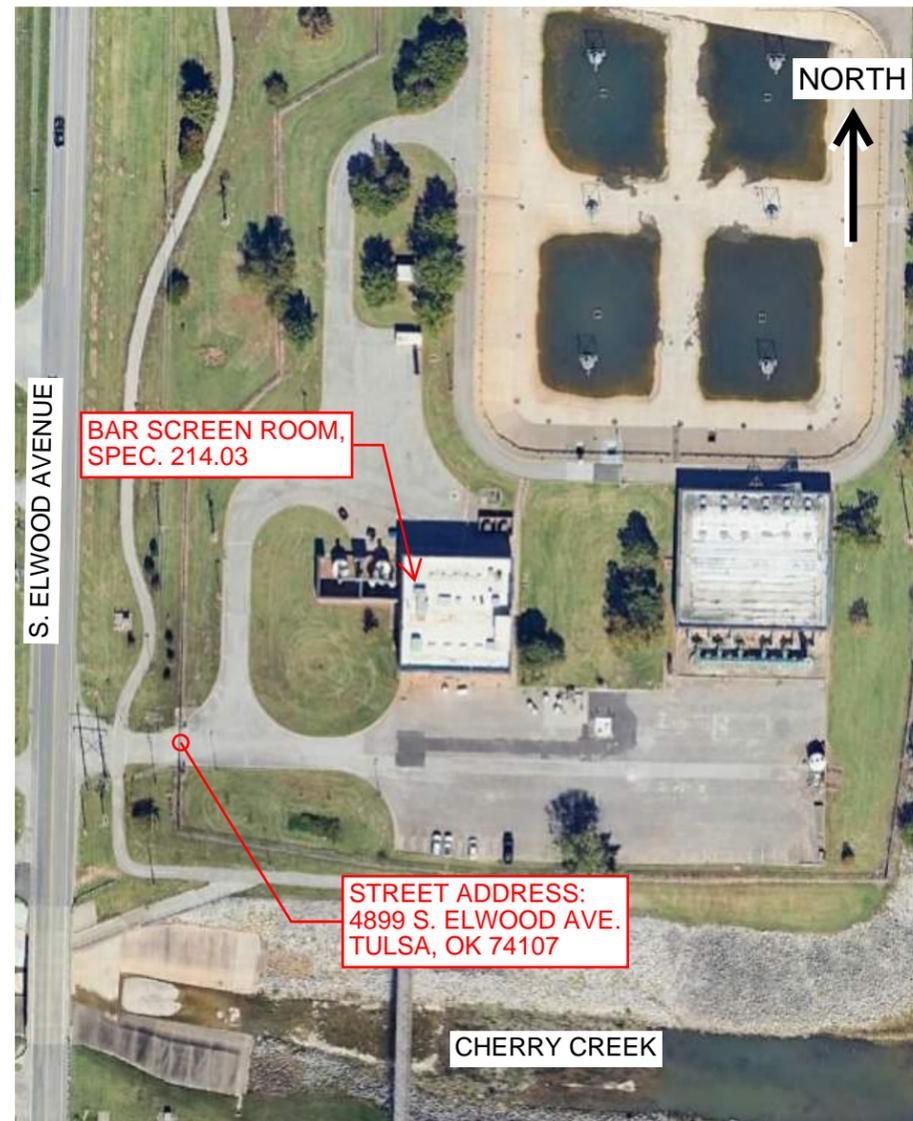
Water and Sewer Department  
175 E. 2<sup>nd</sup> Street  
Tulsa, Oklahoma 74103  
(918) 596-9845

**DRAWINGS**





**A** SOUTHSIDE WWTP LOCATION PLAN



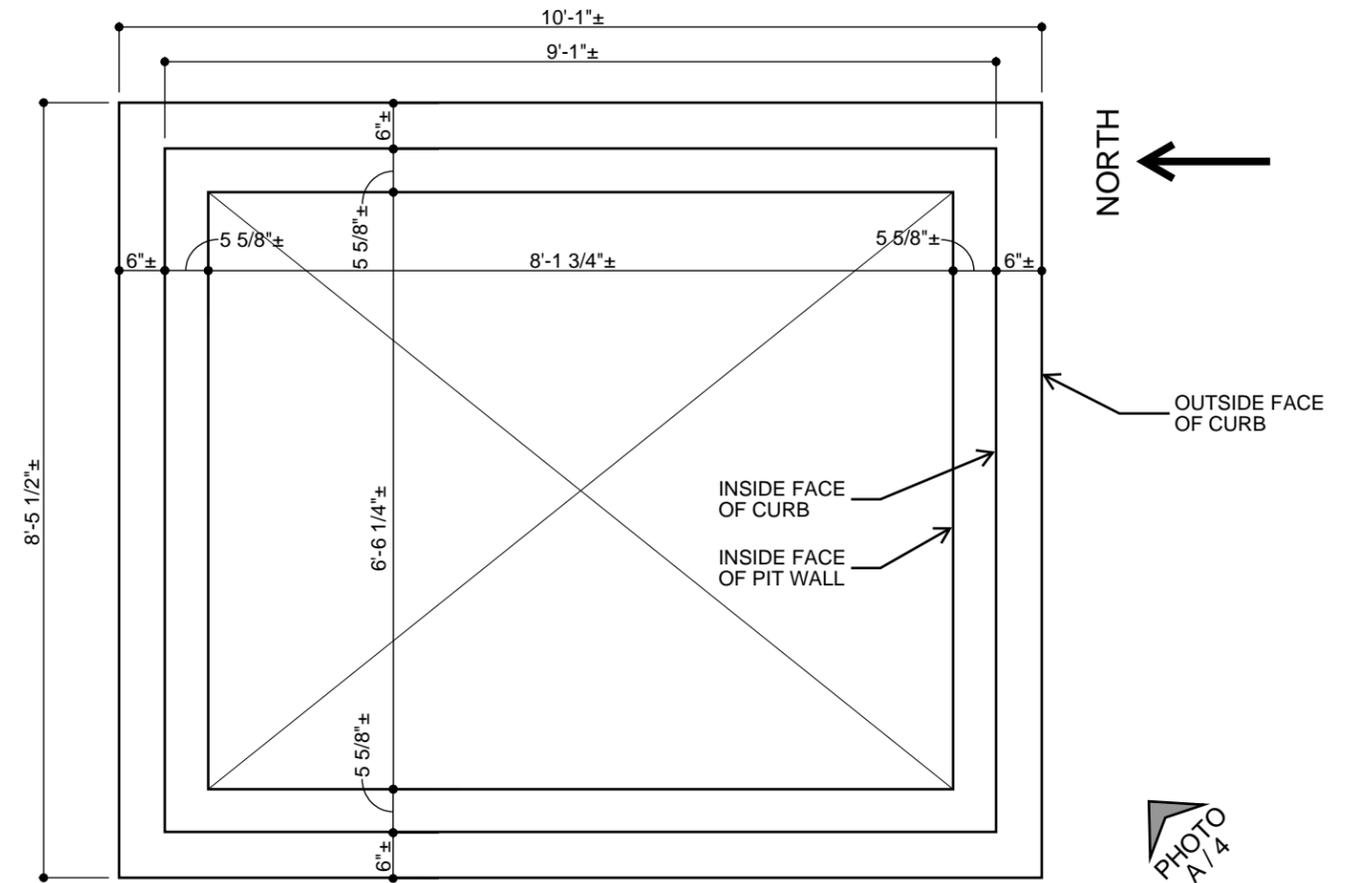
**B** CHERRY CREEK LIFT STATION LOCATION PLAN



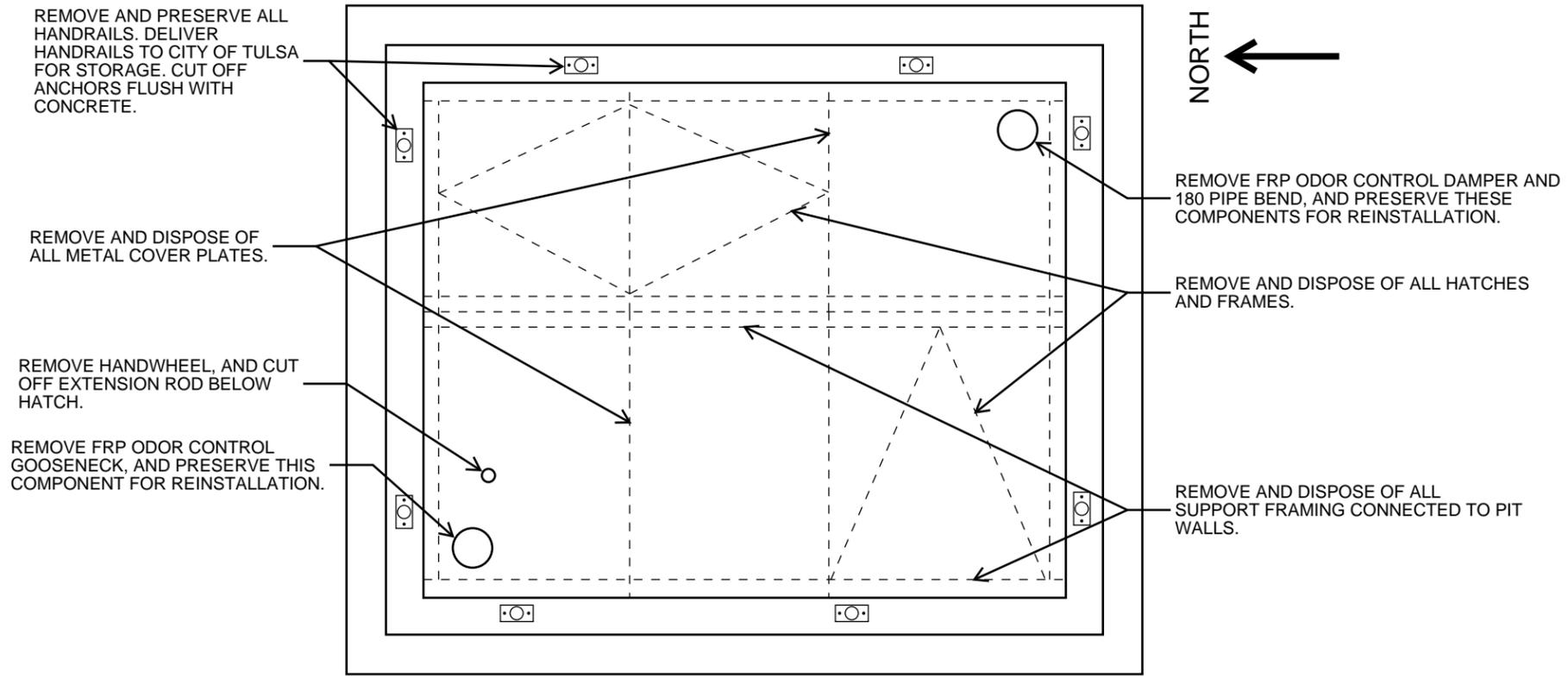
SHEET TITLE:	LOCATION PLANS
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
ISSUE DATE:	FEBRUARY 12, 2026
SHEET NUMBER:	3 OF 11 SHEETS



**A** PHOTO OF EXISTING SCUM PIT



**B** EXISTING SCUM PIT PLAN

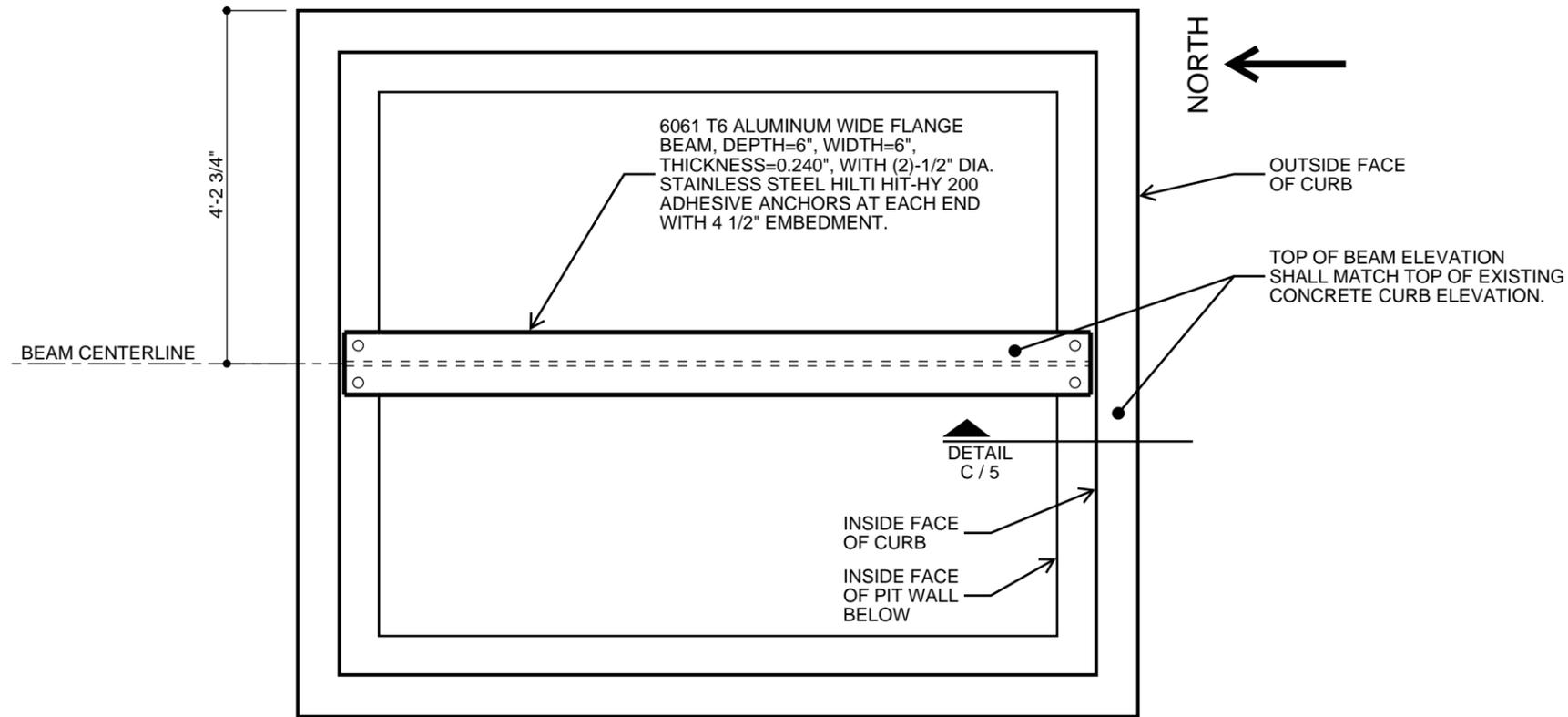


**C** DEMOLITION PLAN

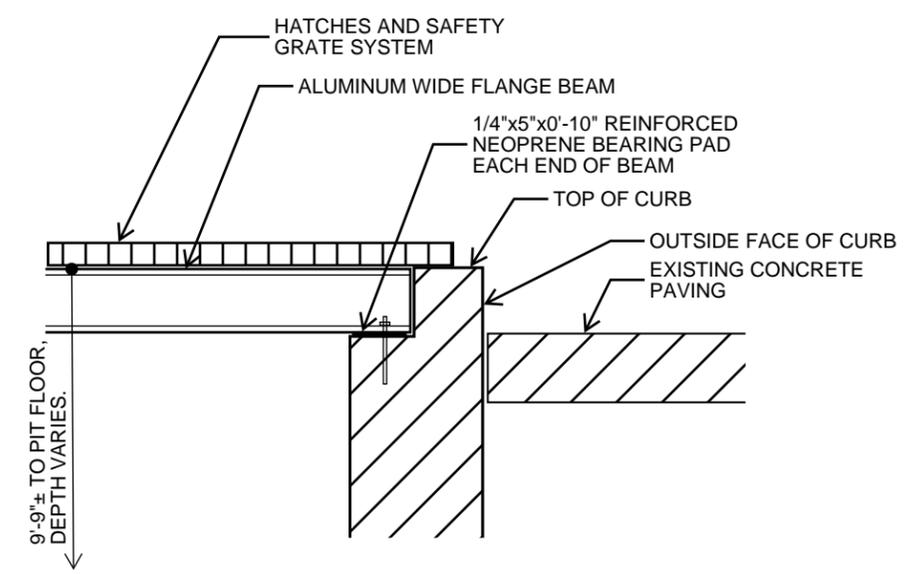


SHEET TITLE:	ADD. ALT. #1 SCUM PIT HATCH REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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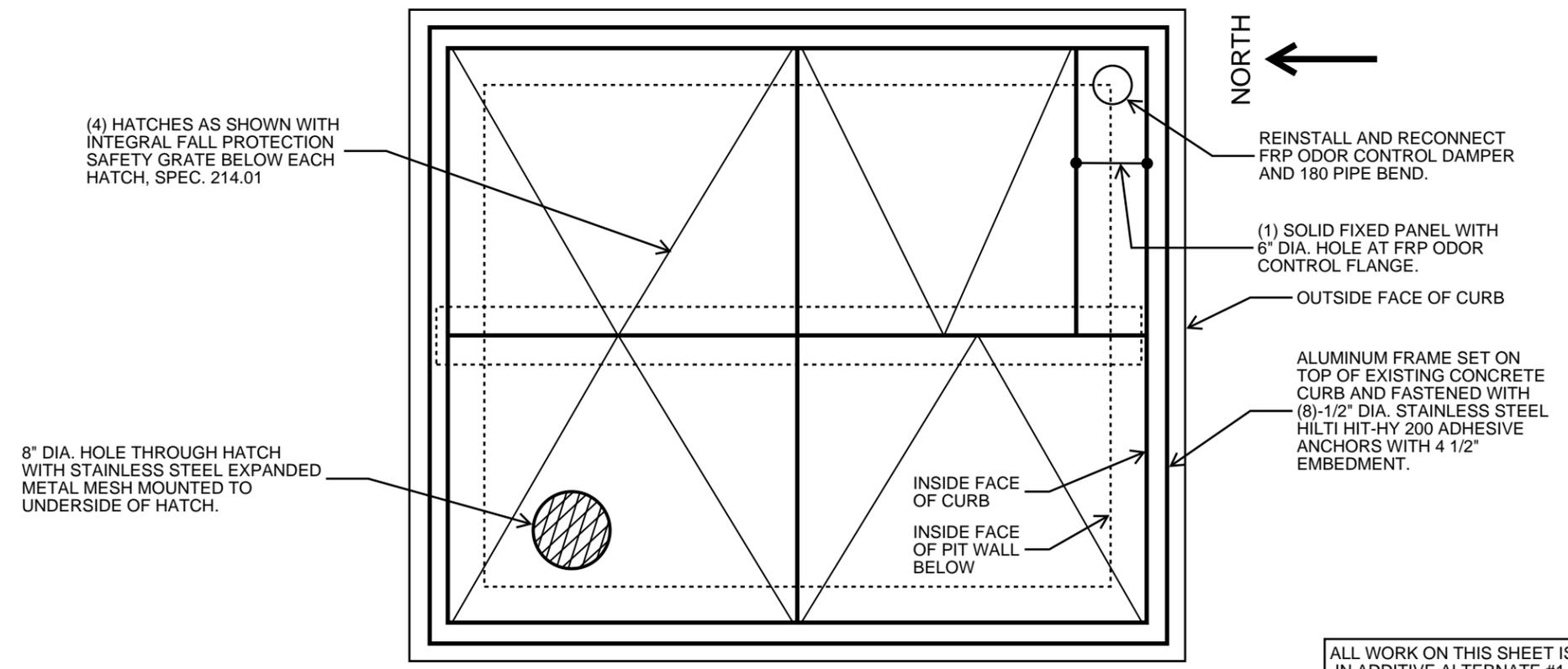
ALL WORK ON THIS SHEET IS  
IN ADDITIVE ALTERNATE #1.



**A** SCUM PIT FRAMING PLAN

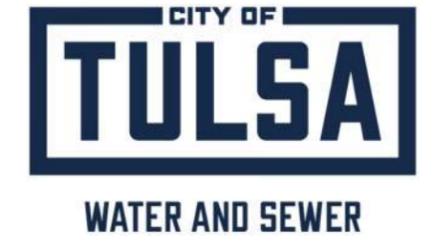


**C** SCUM PIT DETAIL



**B** SCUM PIT HATCH PLAN

ALL WORK ON THIS SHEET IS IN ADDITIVE ALTERNATE #1.

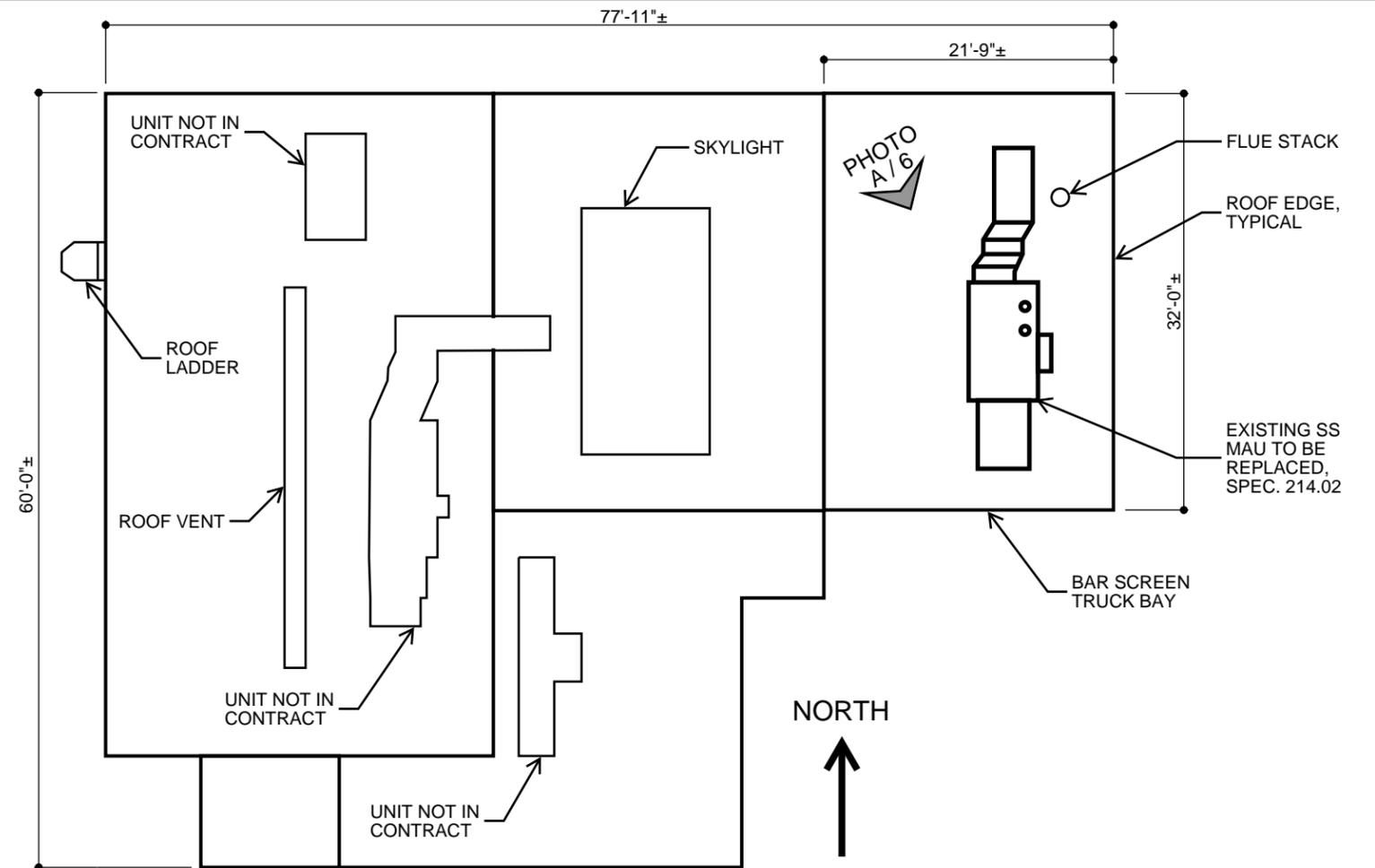


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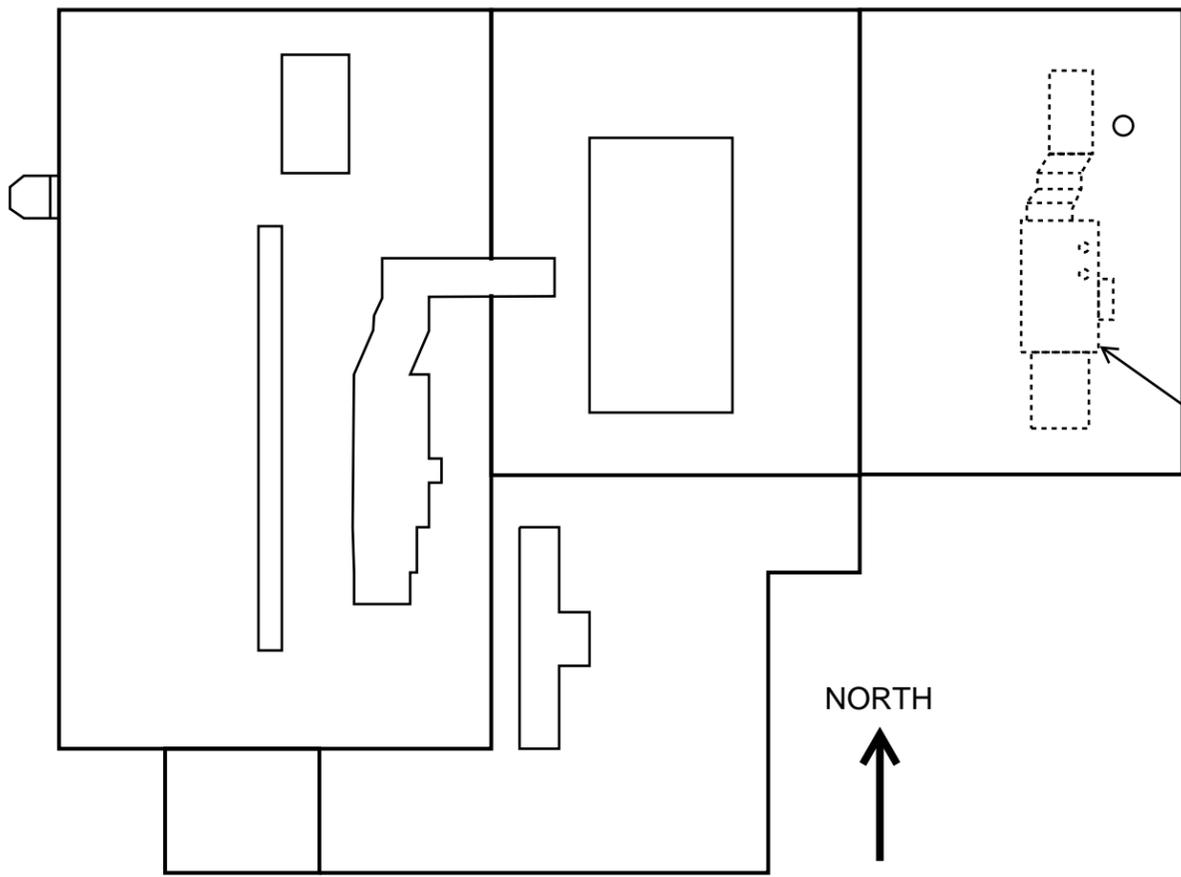


VIEW LOOKING SOUTHEAST

**A** PHOTO OF EXISTING SS MAKE-UP AIR UNIT



**B** EXISTING ROOF PLAN



**C** DEMOLITION ROOF PLAN

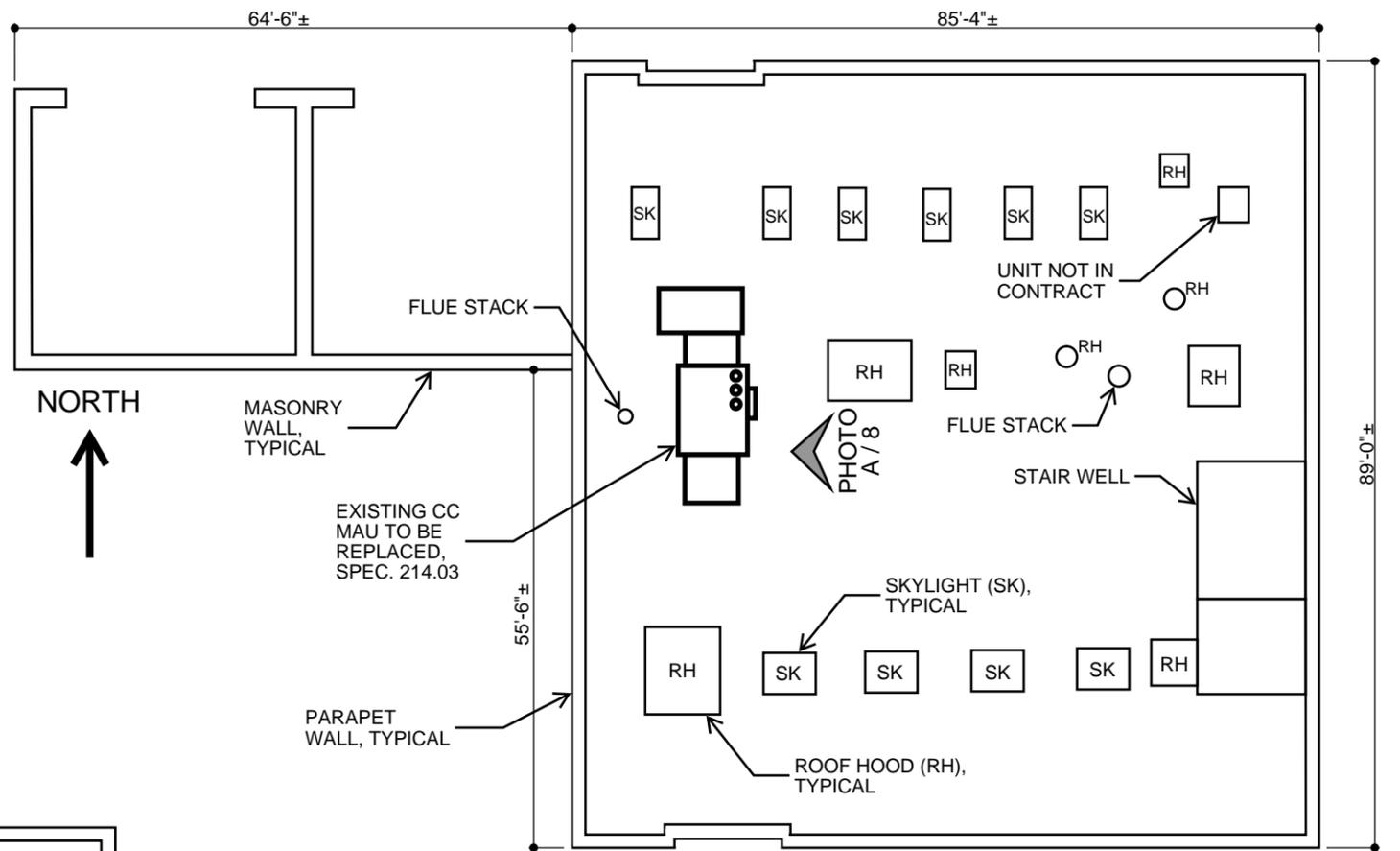


SHEET TITLE:	SS MAKE-UP AIR UNIT REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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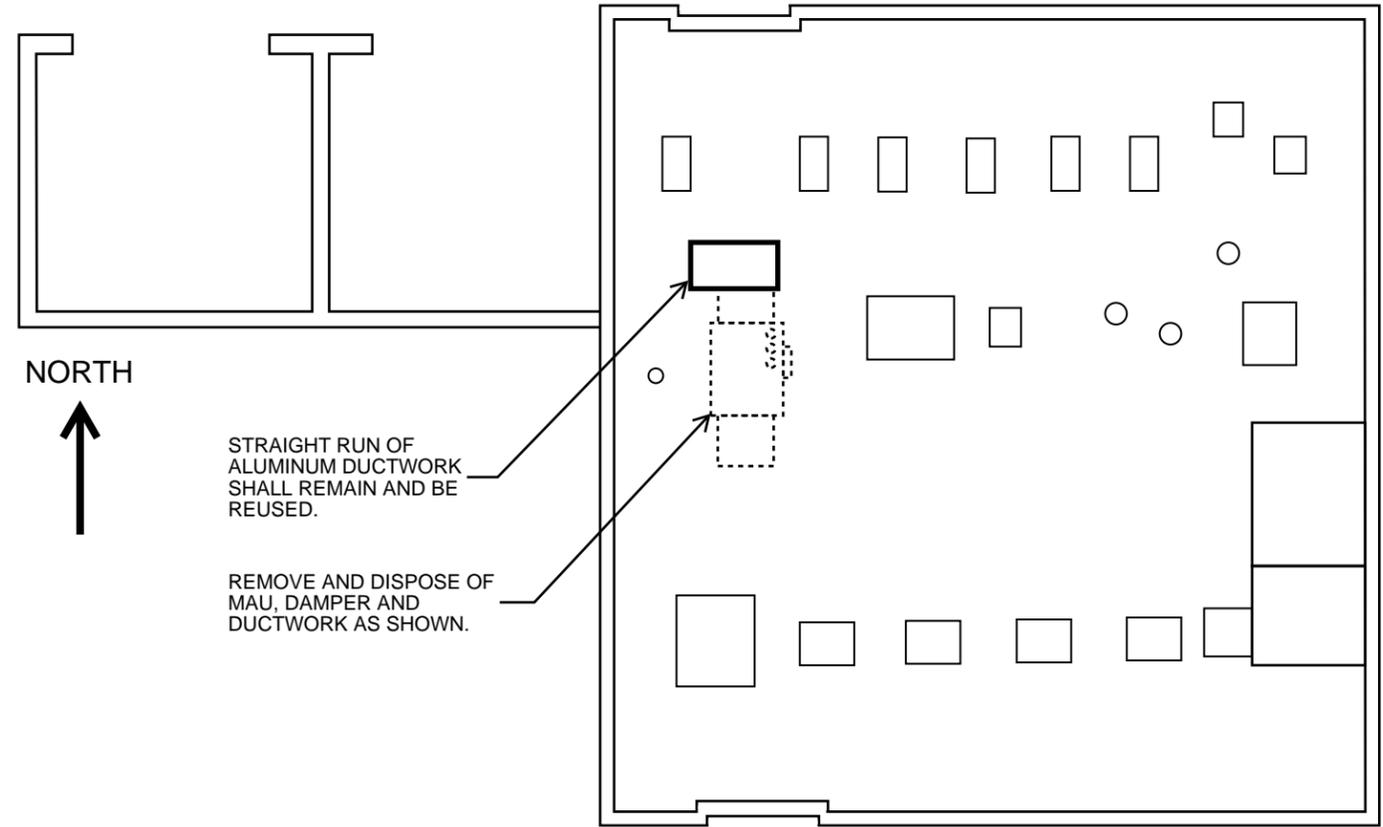


VIEW LOOKING WEST

**A** PHOTO OF EXISTING CC MAKE-UP AIR UNIT



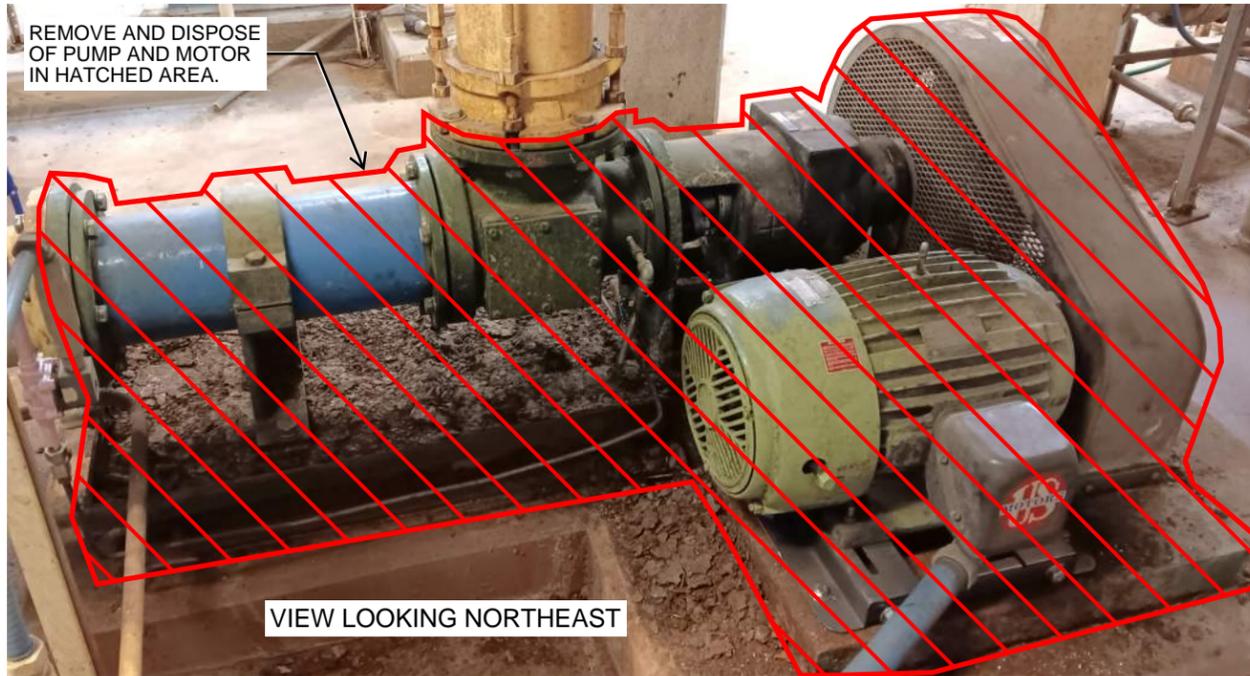
**B** EXISTING ROOF PLAN



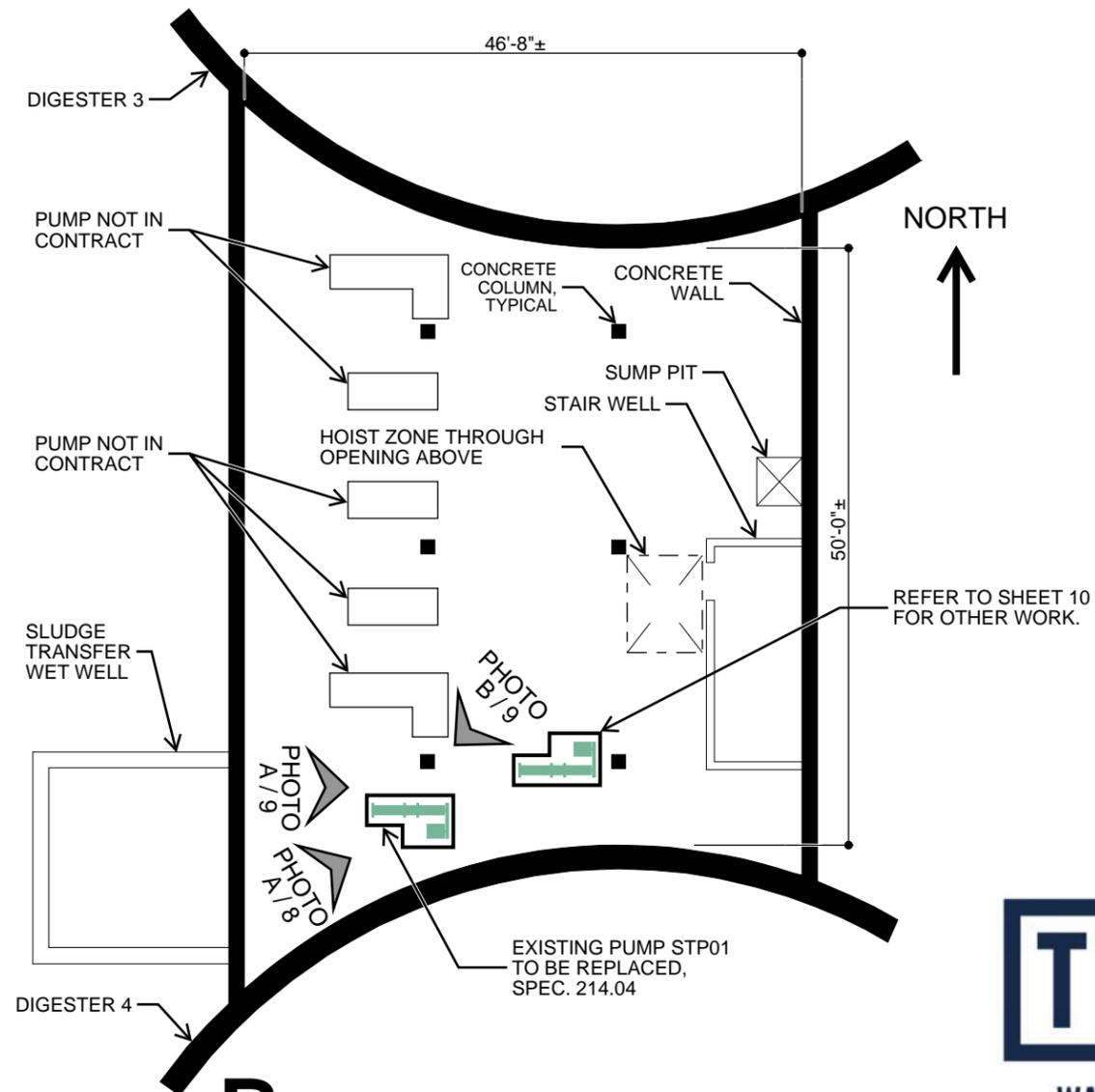
**C** DEMOLITION ROOF PLAN



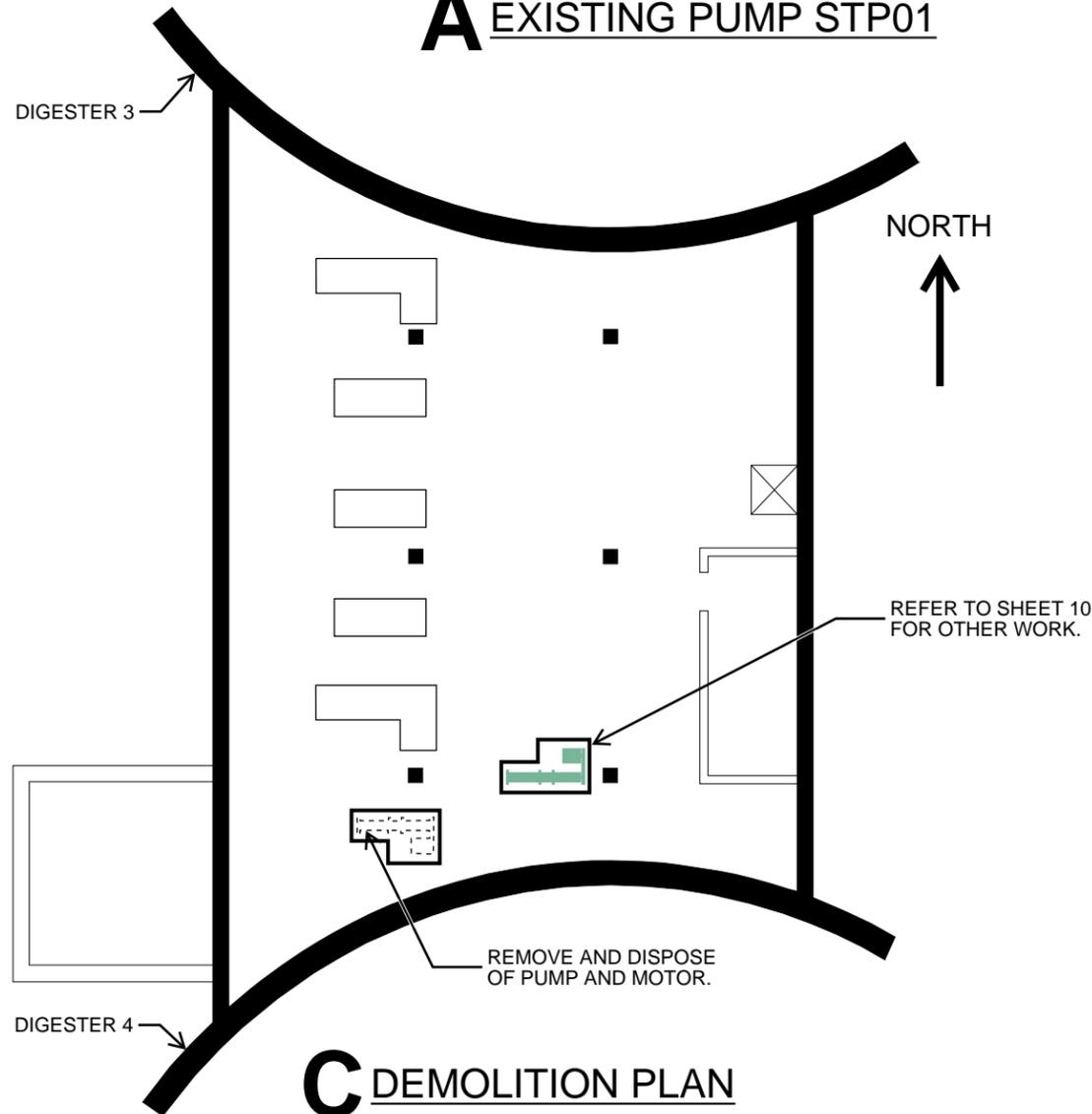
SHEET TITLE:	CC MAKE-UP AIR UNIT REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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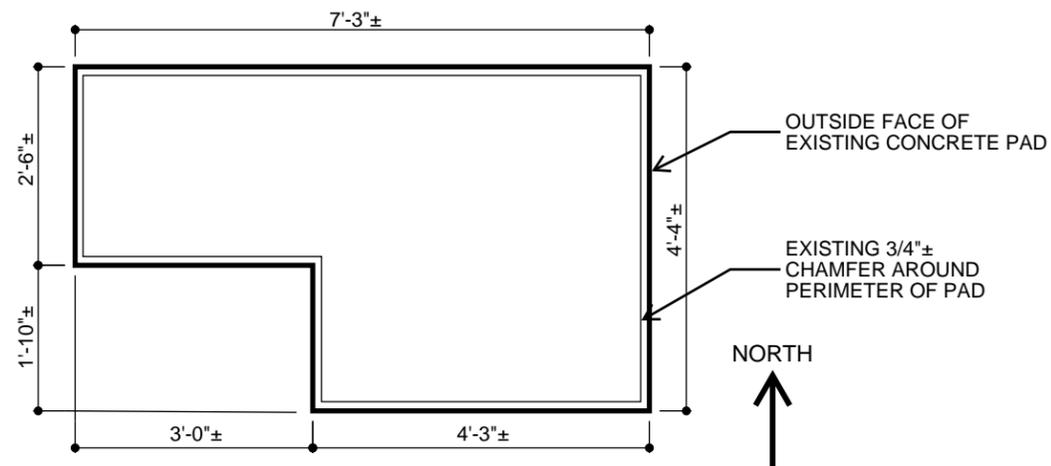
**A** EXISTING PUMP STP01



**B** EXISTING BASEMENT FLOOR PLAN

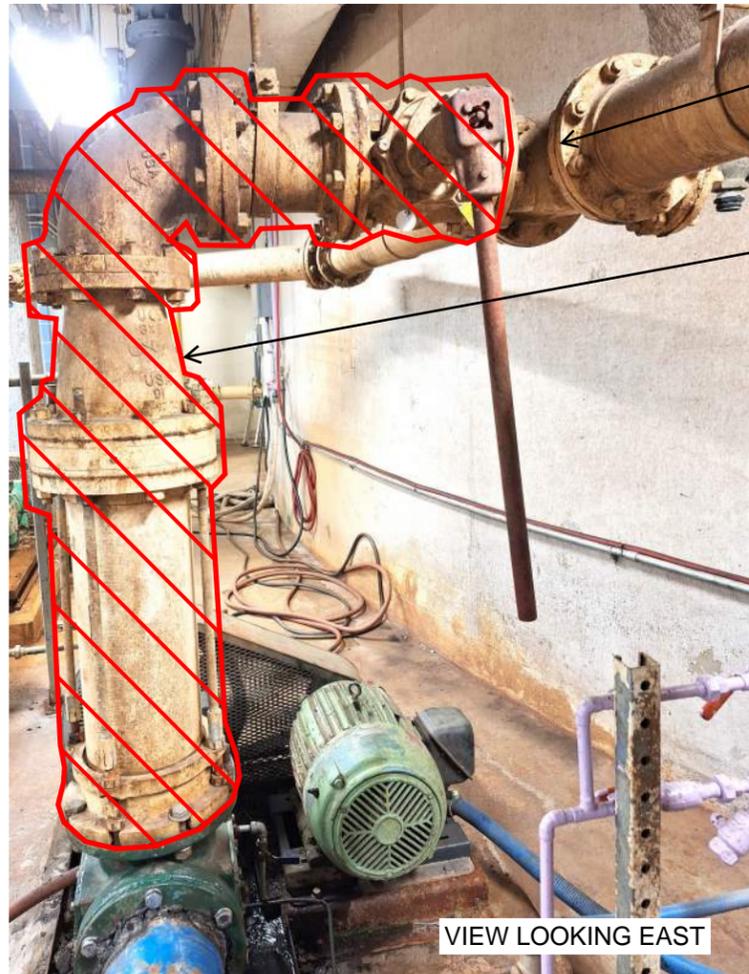


**C** DEMOLITION PLAN



**D** EXISTING STP01 PUMP PAD PLAN

SHEET TITLE:	STP01 PUMP REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
ISSUE DATE:	FEBRUARY 12, 2026
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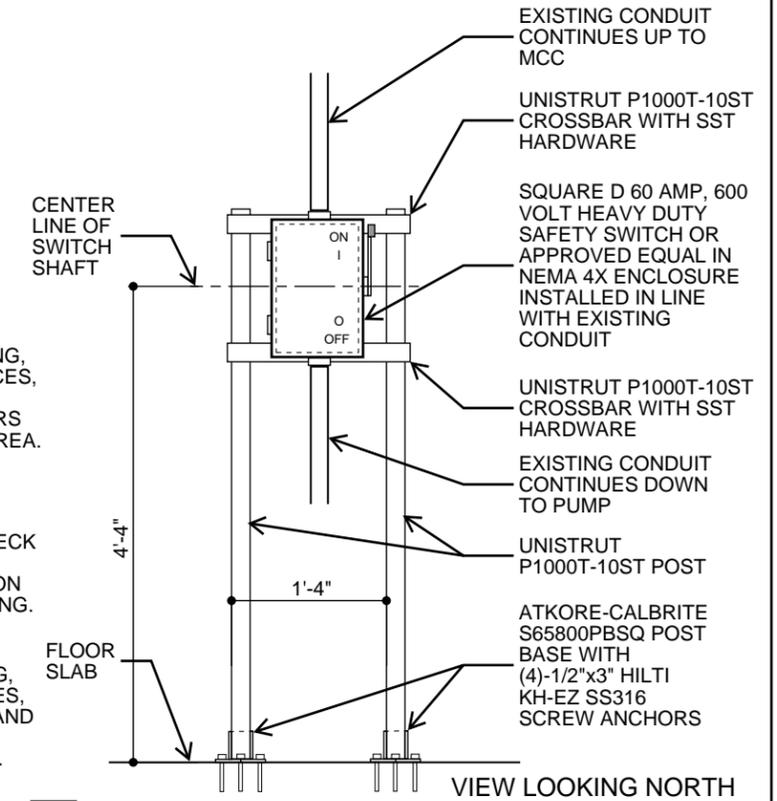
VIEW LOOKING EAST

**A** STP01 SUCTION PIPING



VIEW LOOKING SOUTHWEST

**B** STP01 DISCHARGE PIPING



VIEW LOOKING NORTH  
**F** NEW LOCAL DISCONNECT

PIPE SIZE:	6 INCHES NOMINAL DIAMETER AND GREATER
PIPE MATERIAL:	CERAMIC EPOXY LINED DUCTILE IRON OR GLASS LINED DUCTILE IRON PER AWWA C151
EXTERNAL COATING:	HIGH SOLIDS EPOXY
FITTINGS:	DUCTILE IRON PER AWWA C110
JOINTS:	MATCH EXISTING TYPE AND CONFIGURATION

**C** NEW PIPE REQUIREMENTS

VALVE SIZE:	6-INCH NOMINAL
VALVE TYPE:	ECCENTRIC PLUG
VALVE BODY:	FLANGED DUCTILE IRON OR CAST IRON
FLANGES:	ANSI B16.1 CLASS 125
PLUG FACE:	BUNA N
SEAT FACE:	NICKEL
ACTUATOR:	WORM GEAR DRIVE WITH CHAINWHEEL
ACCEPTABLE MANUFACTURERS AND MODELS:	PRATT BALLCENTRIC PLUG VALVE OR VAL-MATIC CAM-CENTRIC PLUG VALVE OR DEZURIK PEC PLUG VALVE

**D** NEW VALVE REQUIREMENTS

NEW LOCAL DISCONNECT, REFER TO F/9.



**E** NEW LOCAL DISCONNECT AT STP01



WATER AND SEWER

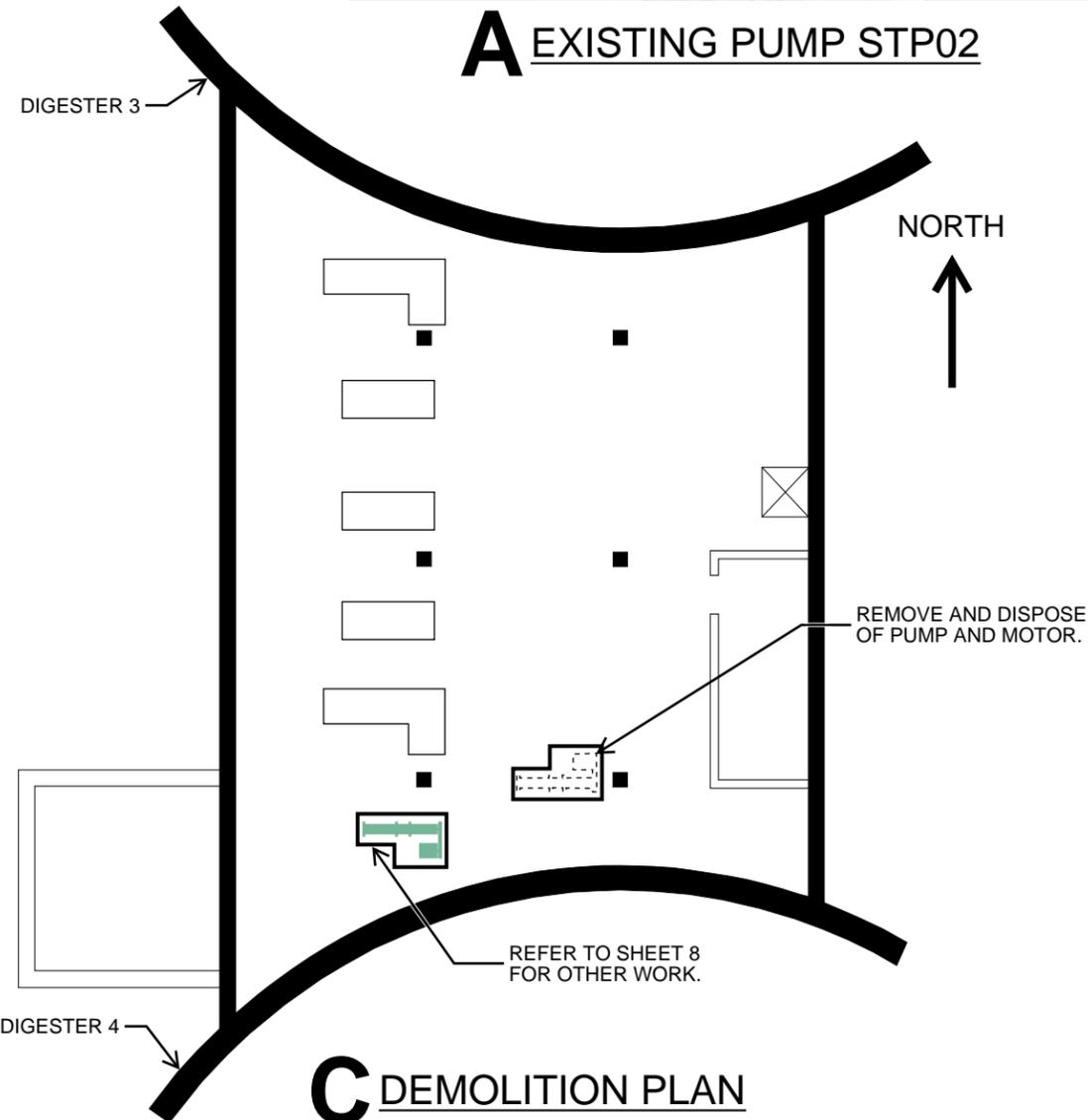
SHEET TITLE:	STP01 PUMP REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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REMOVE AND DISPOSE OF PUMP AND MOTOR IN HATCHED AREA.

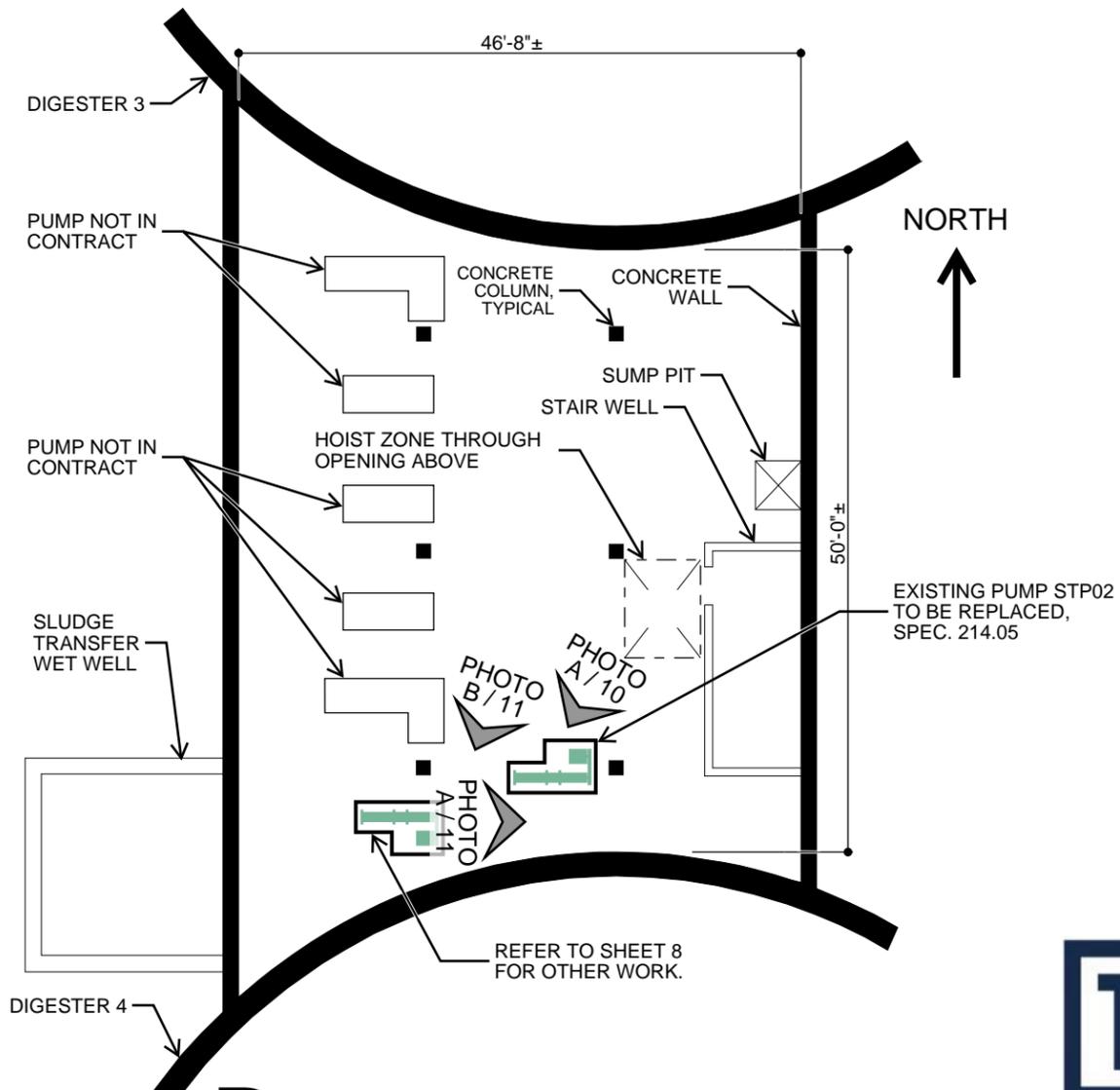


VIEW LOOKING SOUTHWEST

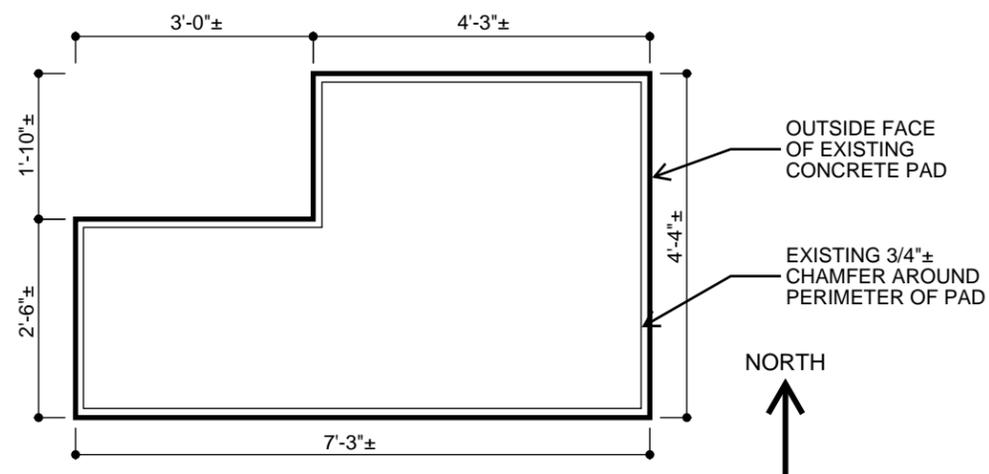
**A** EXISTING PUMP STP02



**C** DEMOLITION PLAN



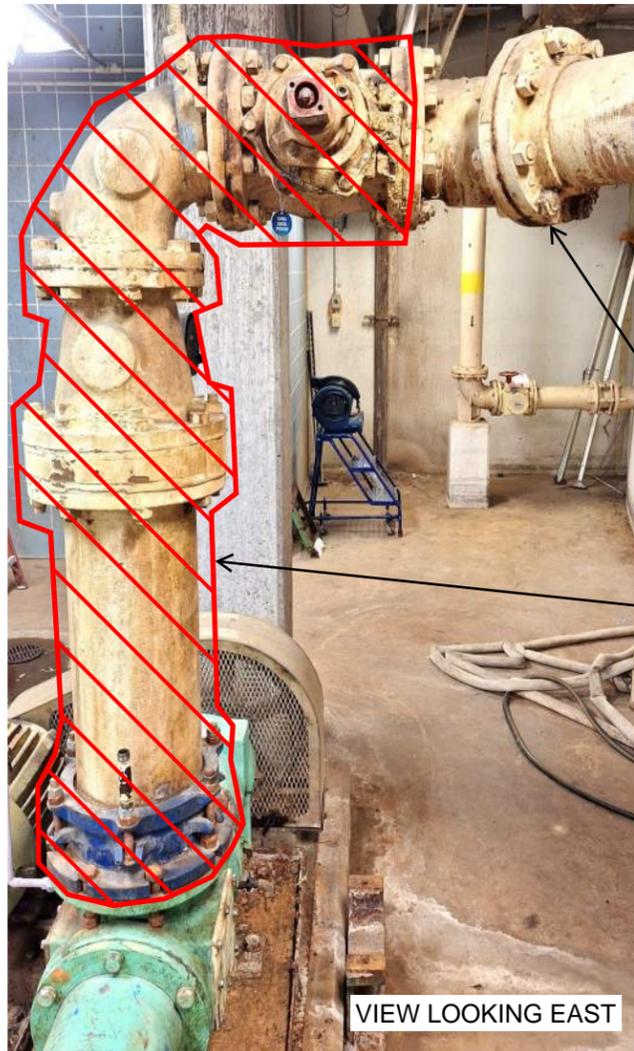
**B** EXISTING BASEMENT FLOOR PLAN



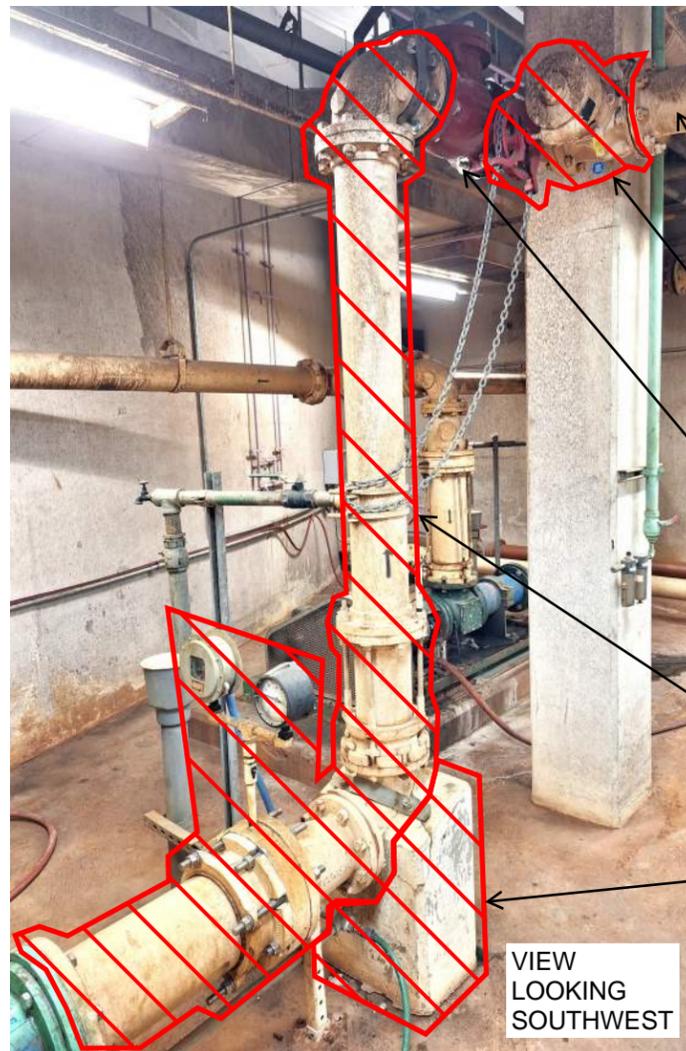
**D** EXISTING STP02 PUMP PAD PLAN



SHEET TITLE:	STP02 PUMP REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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**A** STP02 SUCTION PIPING



**B** STP02 DISCHARGE PIPING

PIPE SIZE: 6 INCHES NOMINAL DIAMETER AND GREATER  
 PIPE MATERIAL: CERAMIC EPOXY LINED DUCTILE IRON OR GLASS LINED DUCTILE IRON PER AWWA C151  
 EXTERNAL COATING: HIGH SOLIDS EPOXY  
 FITTINGS: DUCTILE IRON PER AWWA C110  
 JOINTS: MATCH EXISTING TYPE AND CONFIGURATION

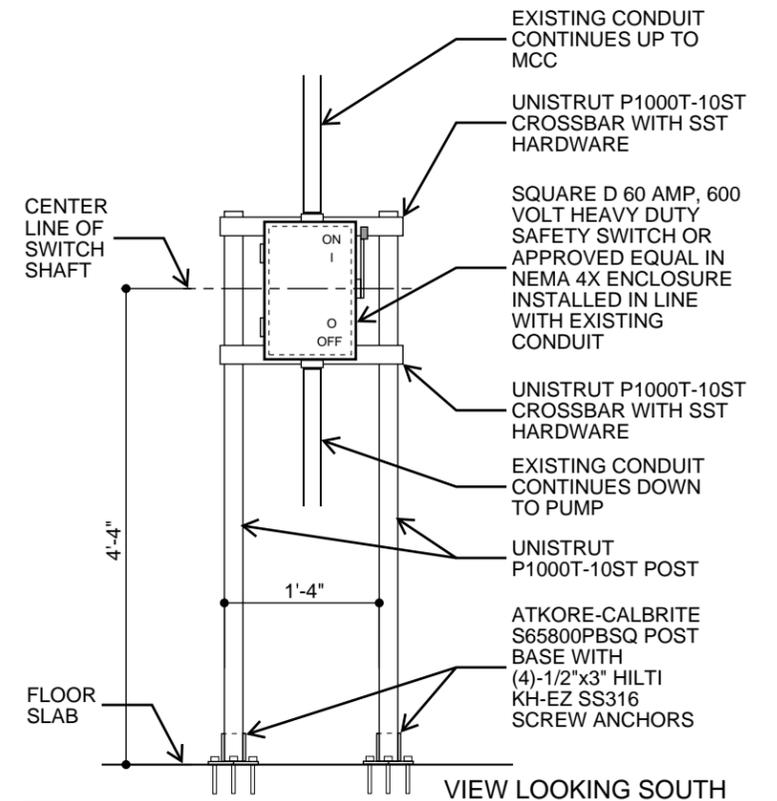
**C** NEW PIPE REQUIREMENTS

VALVE SIZE: 6-INCH NOMINAL  
 VALVE TYPE: ECCENTRIC PLUG  
 VALVE BODY: FLANGED DUCTILE IRON OR CAST IRON  
 FLANGES: ANSI B16.1 CLASS 125  
 PLUG FACE: BUNA N  
 SEAT FACE: NICKEL  
 ACTUATOR: WORM GEAR DRIVE WITH CHAINWHEEL  
 ACCEPTABLE MANUFACTURERS AND MODELS: PRATT BALLCENTRIC PLUG VALVE OR VAL-MATIC CAM-CENTRIC PLUG VALVE OR DEZURIK PEC PLUG VALVE

**D** NEW VALVE REQUIREMENTS



**E** NEW LOCAL DISCONNECT AT STP02



**F** NEW LOCAL DISCONNECT



SHEET TITLE:	STP02 PUMP REPLACEMENT
PROJECT:	WPC 26-4 CAPITAL EQUIPMENT REPLACEMENTS
OWNER:	CITY OF TULSA, OKLAHOMA TULSA METROPOLITAN UTILITY AUTHORITY
ENGINEER:	SAMUEL H. RAY, P.E.
APPROVAL:	<i>Cindy Cantero</i> WPC SECTION MANAGER
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