

# LAKE GEODE VALVE REPLACEMENT PLAN DANVILLE, IOWA

## IOWA DEPARTMENT OF NATURAL RESOURCES

### 100% CONSTRUCTION

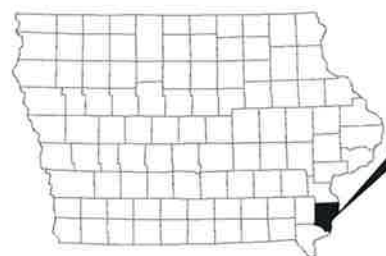
### DNR PROJECT # 18-06-44-02

PLAN QUANTITIES

ITEM	UNIT	QUANTITY
EFFLORESCENCE REMOVAL	SF	64
CONCRETE REPAIR	SF	400
REMAINING WORK*	LS	1

\* EFFLORESCENCE REMOVAL & CONCRETE REPAIR SHALL BE PAID AS A UNIT PRICE. ALL OTHER ITEMS SHALL BE LUMP SUM.

THE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE IOWA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND SUPPLEMENTARY DOCUMENTS



DES MOINES COUNTY


DES MOINES COUNTY, IOWA

PROJECT LOCATION



VICINITY MAP

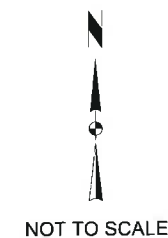




I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer for the State of Iowa.

*Matthew J. Castor* 9/19/18  
 MATTHEW J. CASTOR, P.E.      Date  
 License Number 19739  
 My License Renewal Date is December 31, 2018

Pages/Sheets covered by this seal:  
ALL



INDEX OF SHEETS

C1.00	TITLE SHEET
C1.01	OVERALL PLAN
C1.02-C1.03	EXISTING CONDITIONS
C1.04-C1.05	PROPOSED

LAKE GEODE VALVE REPLACEMENT

COVER SHEET

**SNYDER & ASSOCIATES**  
ENGINEERS & PLANNERS, INC.



Project No: 1180618

Sheet C1.00

DANVILLE, IA

212 N. BUCHANAN  
MARYVILLE, MO 64468  
660-582-8888

802 FRANCIS STREET  
ST. JOSEPH, MO 64501  
816-364-5222

www.snyder-associates.com

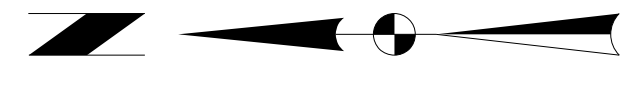
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Engineer: SD  
Checked By: AM  
Date: 07/19/18  
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REVISION: AM  
Date: 07/19/18  
Field Bk:

DATE: 07/19/18  
Scale: 1"=

BY: Snyder & Associates Engineers & Planners, Inc.  
Missouri State Certificate of Authority #2000000564

Sheet C1.00



# LAKE GEODE VALVE REPLACEMENT

## OVERALL PLAN

**SNYDER & ASSOCIATES**  
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816-364-5222

DANVILLE, IA

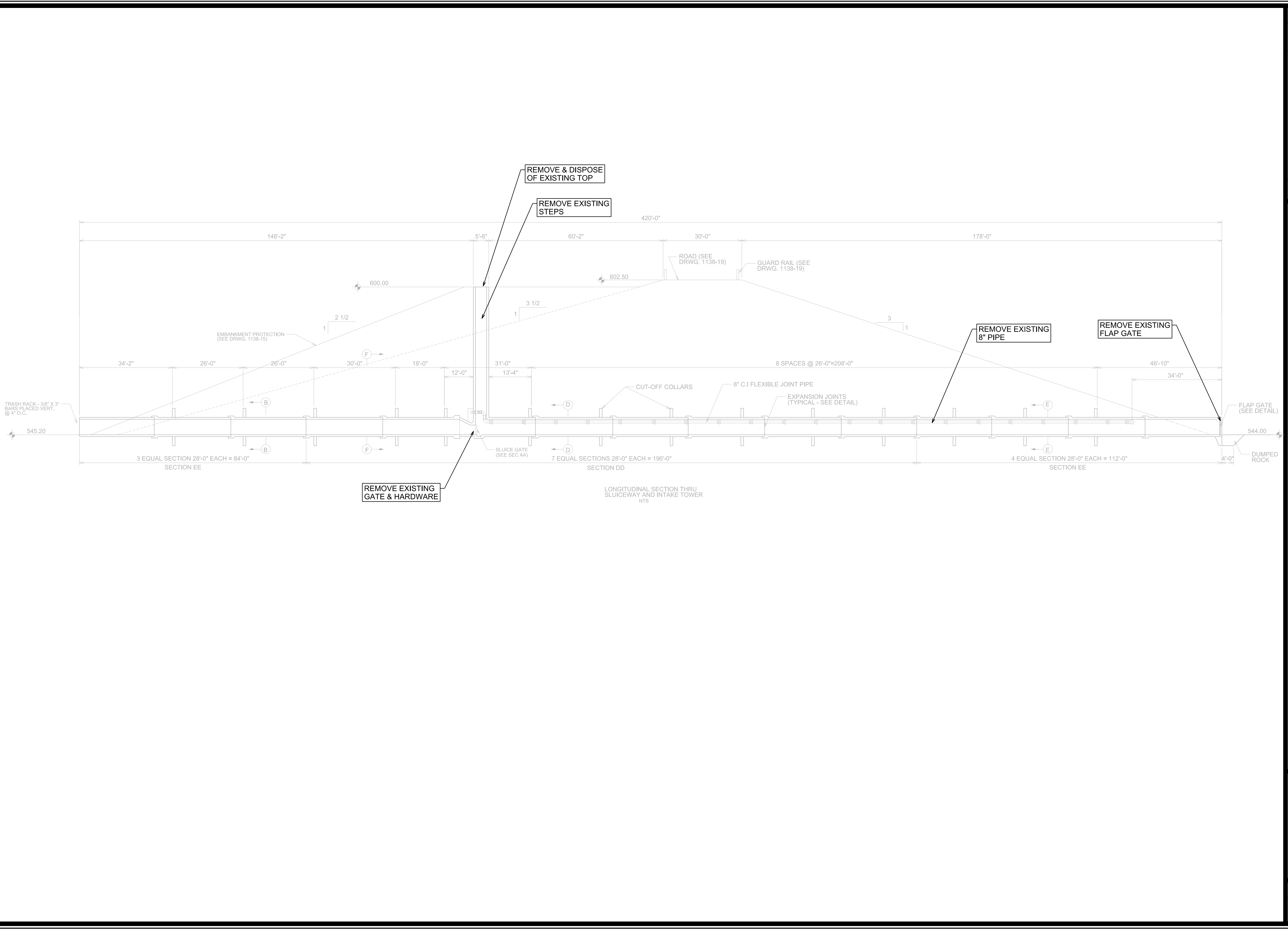
212 N. BUCHANAN  
MARYVILLE, MO 64468  
660-582-8888

Project No: 1180618

Sheet C1.01

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Engineer: SD	Checked By: AM	Scale: 1"=	
Technician: KG	Date: 07/19/18	Field Bk:	Pg:
Snyder & Associates Engineers & Planners, Inc. Missouri State Certificate of Authority #200608544			Sheet C1.01

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 Checked By: AM  
 Scale: 1"=

Technician: KG  
 Date: 07/19/18  
 Field Bk:


Snyder & Associates Engineers & Planners, Inc.  
 Missouri State Certificate of Authority #200608544

**LAKE GEODE VALVE REPLACEMENT**

**EXISTING CONDITIONS SHEET 1**

**DANVILLE, IA**  
 212 N. BUCHANAN  
 MARYVILLE, MO 64468  
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 ENGINEERS & PLANNERS, INC.

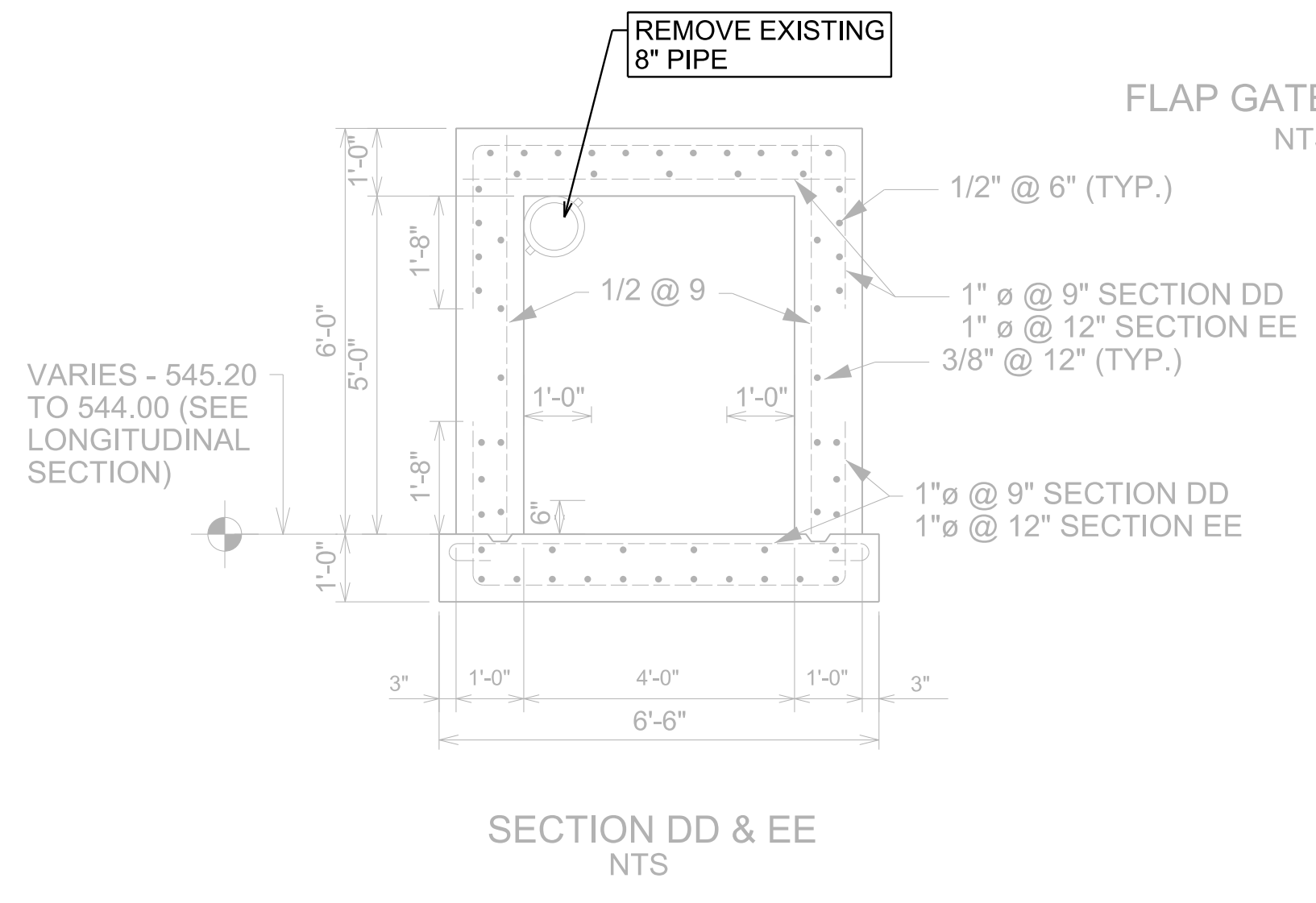
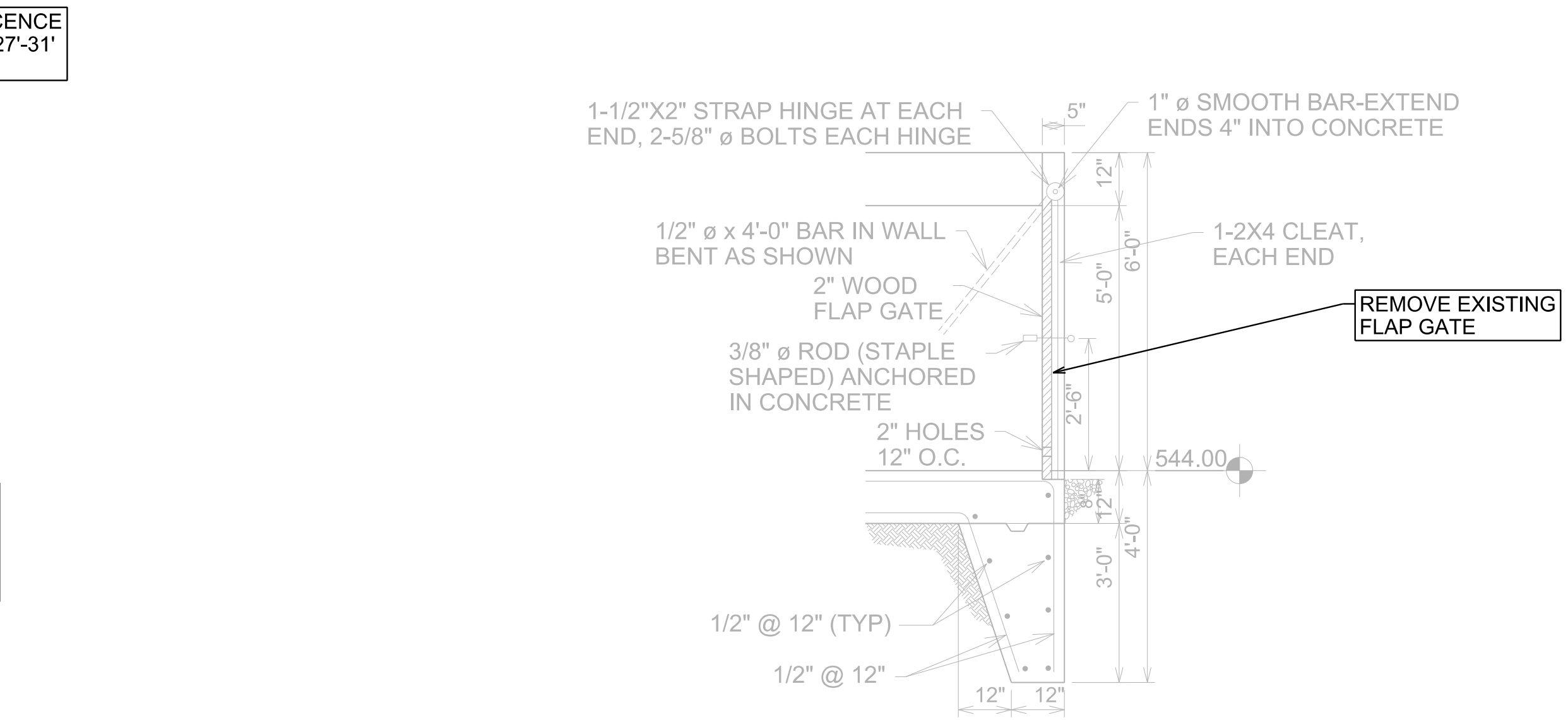
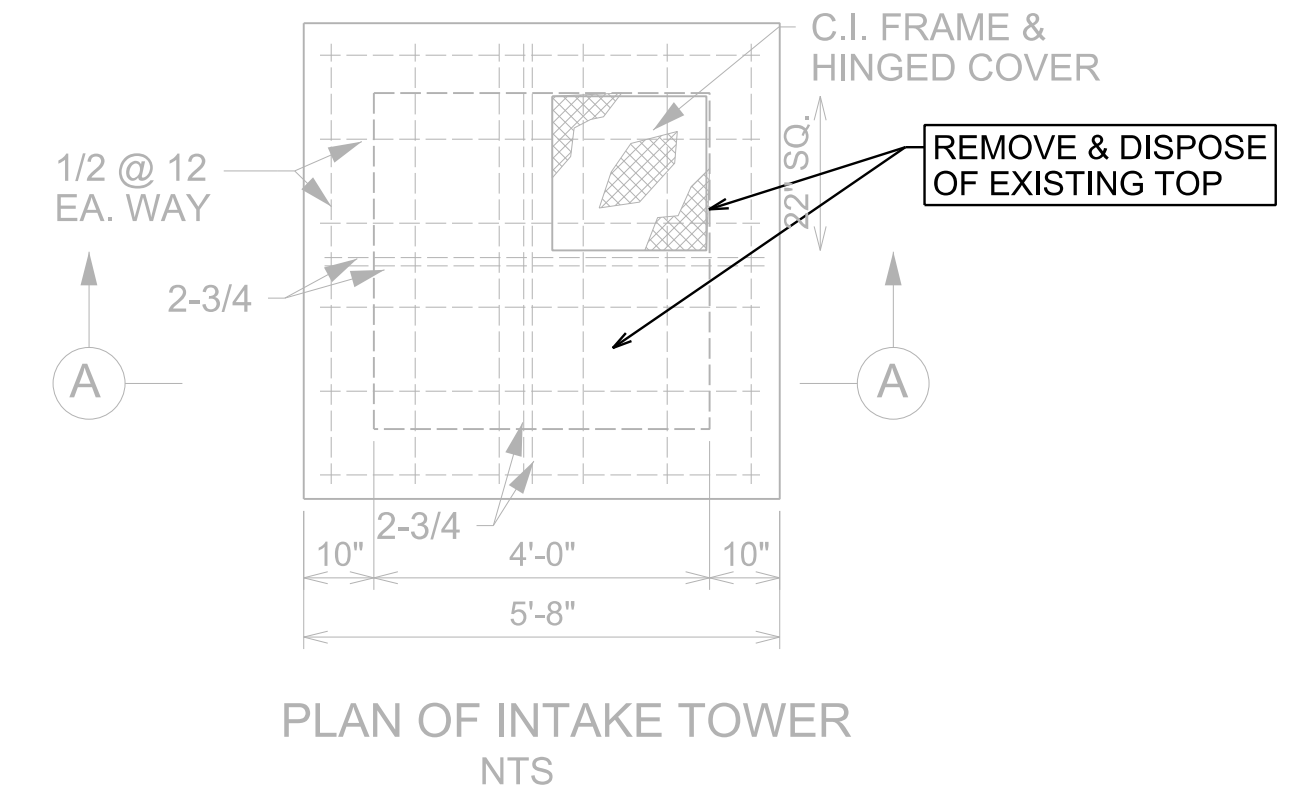
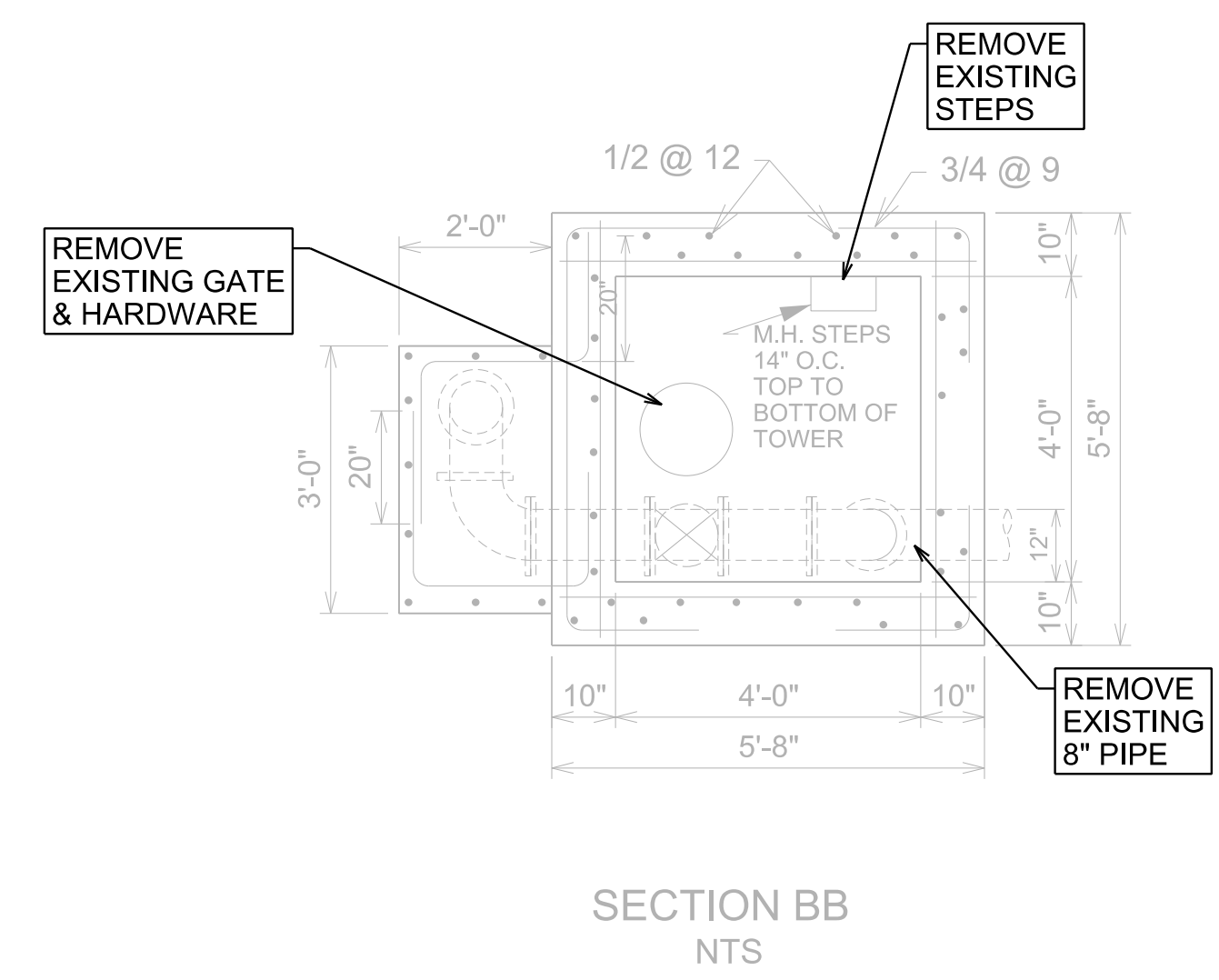
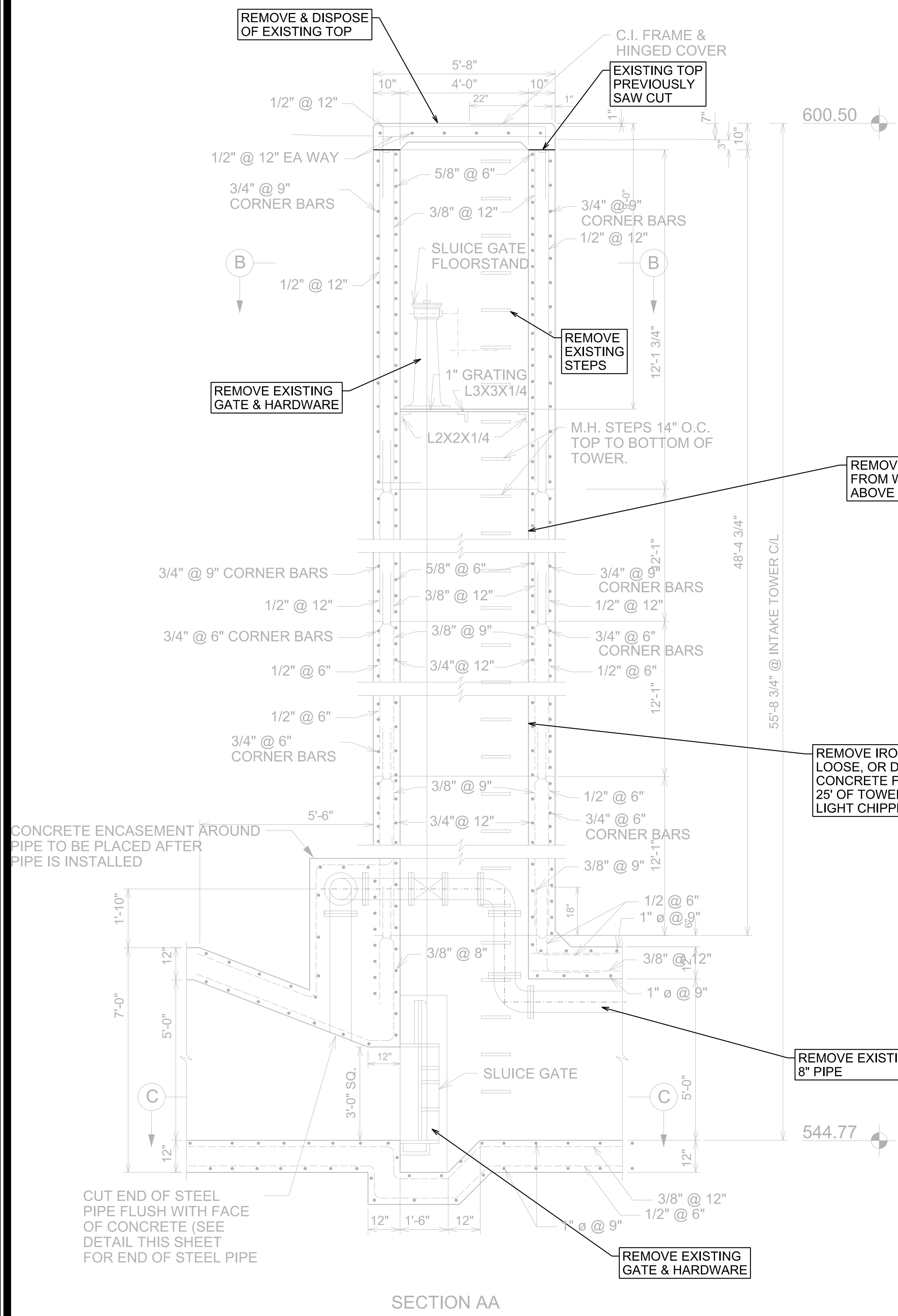


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Project No: 1180618

Sheet C1.02

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NOTE:  
ALL EXISTING FASTENERS SHALL BE CUT OFF FLUSH WITH CONCRETE AND COATED WITH RUST CONVERTING COMPOUND AND PAINTED.

MARK	REVISION	DATE	BY

**DANVILLE, IA**  
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 660-582-8888

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**LAKE GEODE VALVE REPLACEMENT**  
**EXISTING CONDITIONS SHEET 2**  
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 ENGINEERS & PLANNERS, INC.

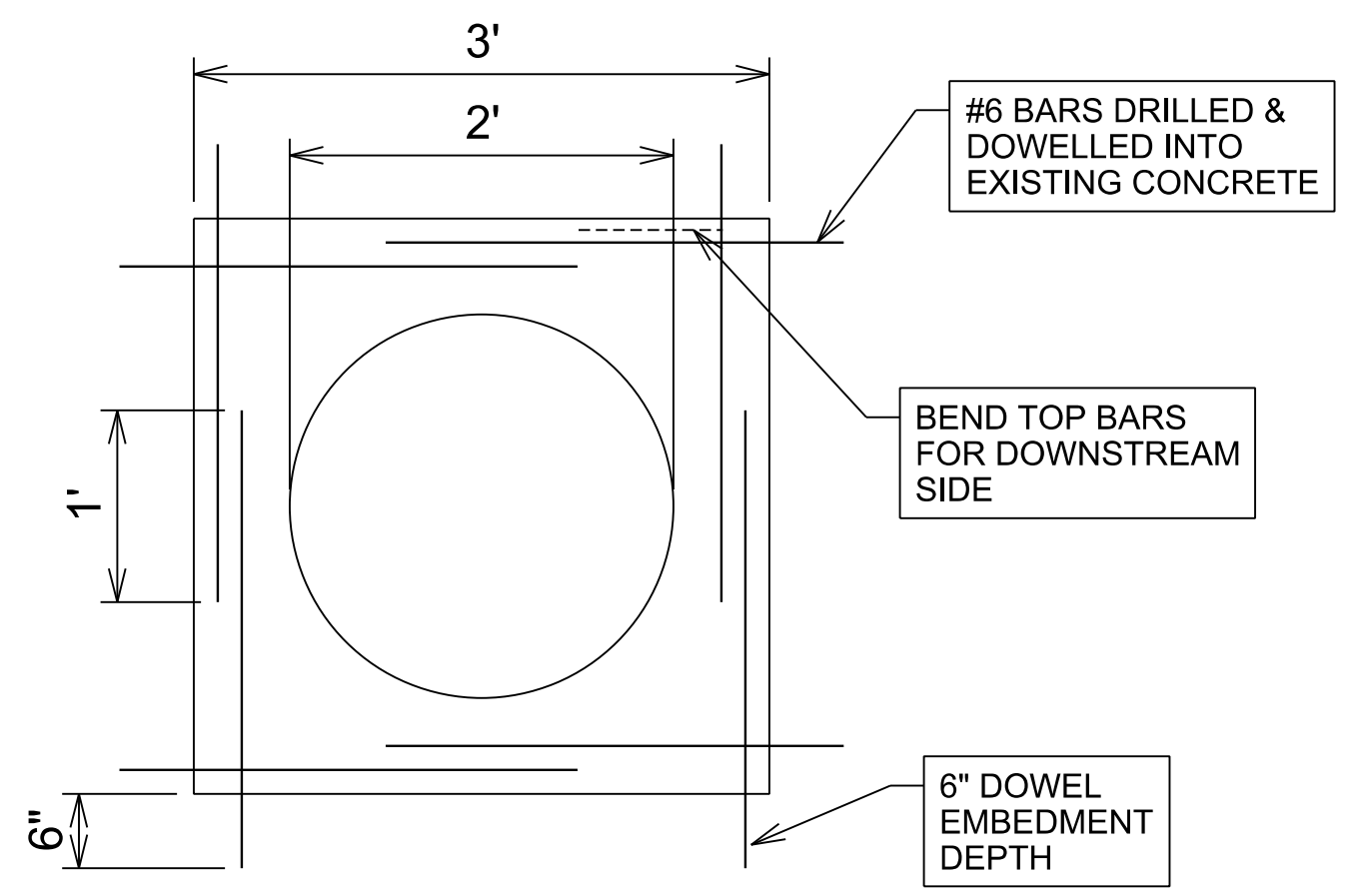
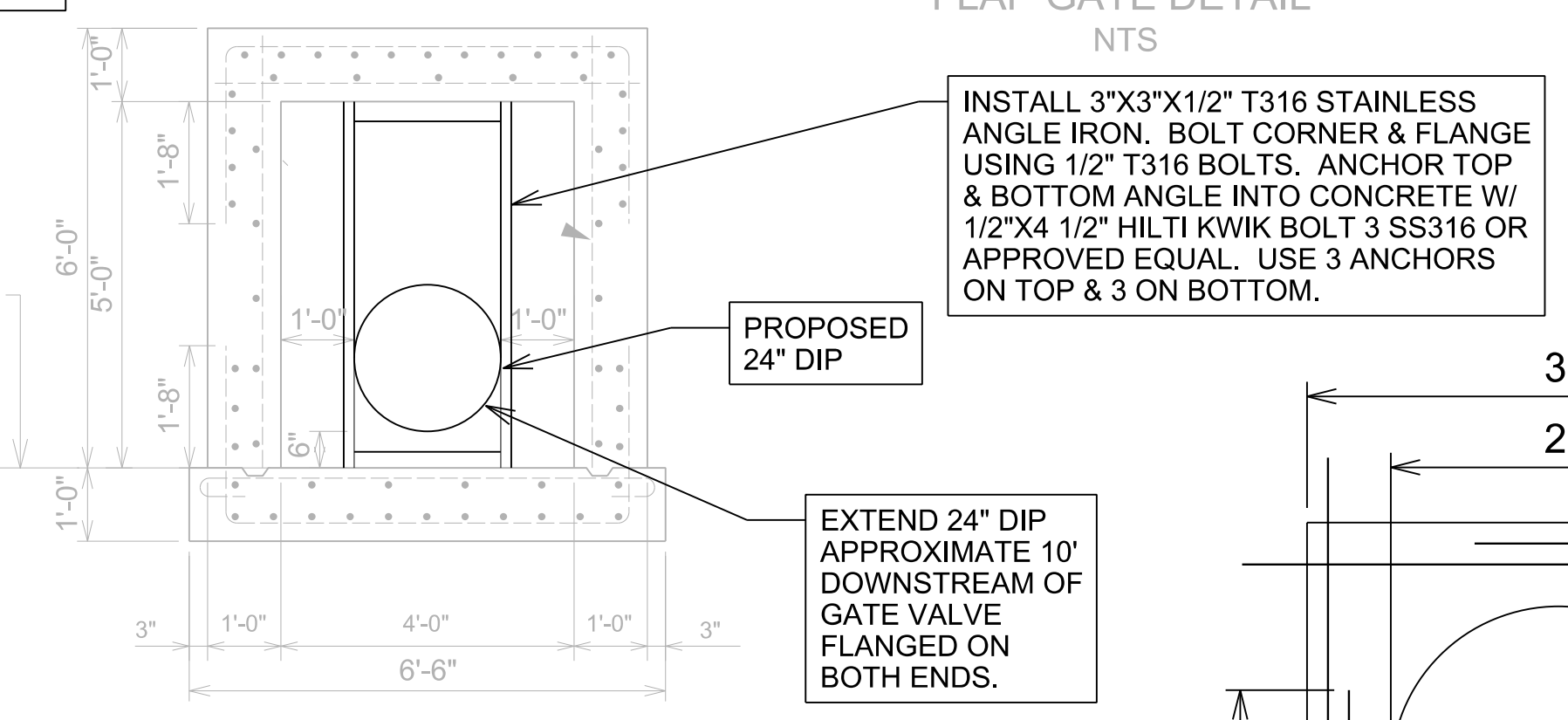
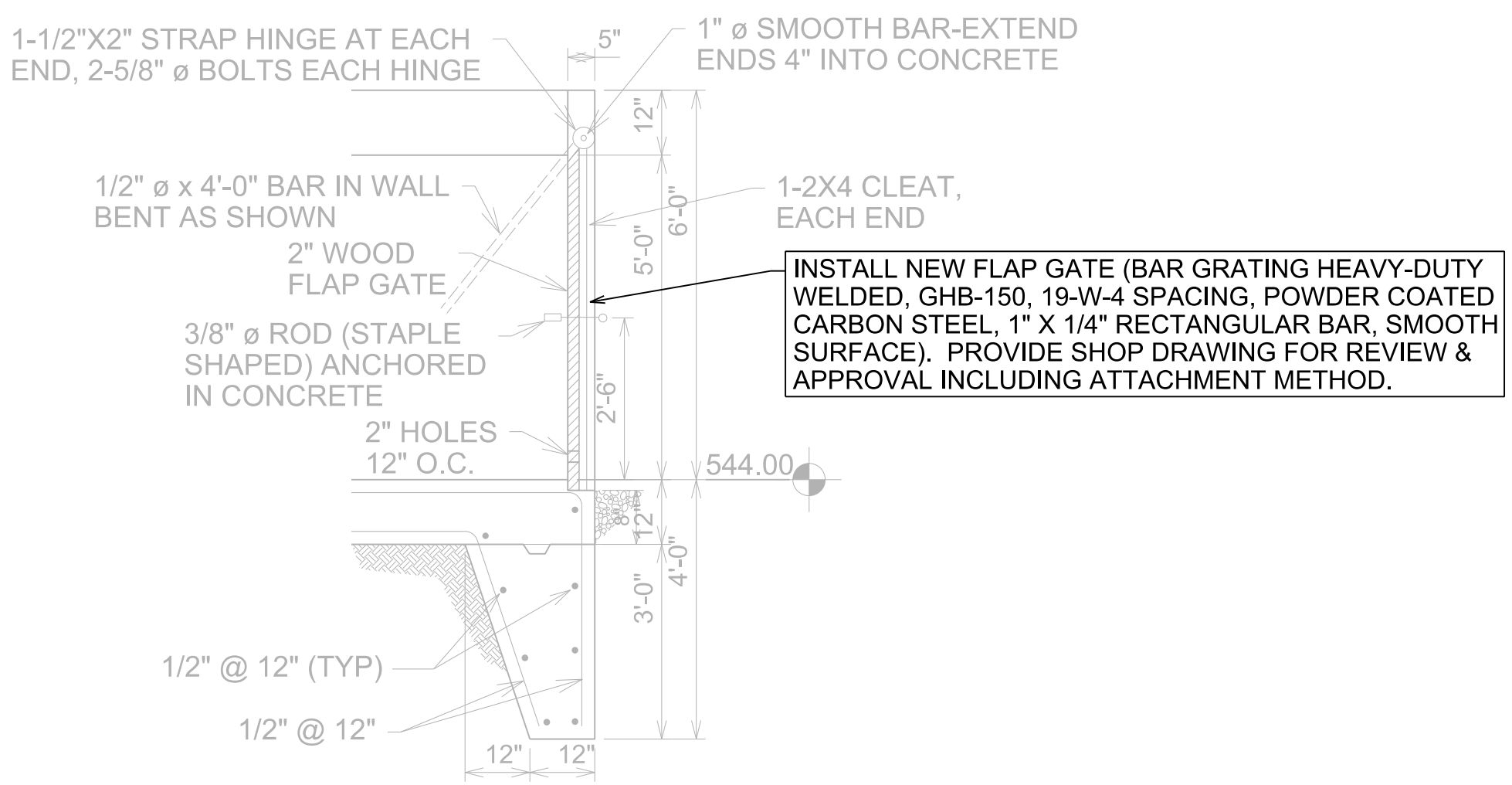
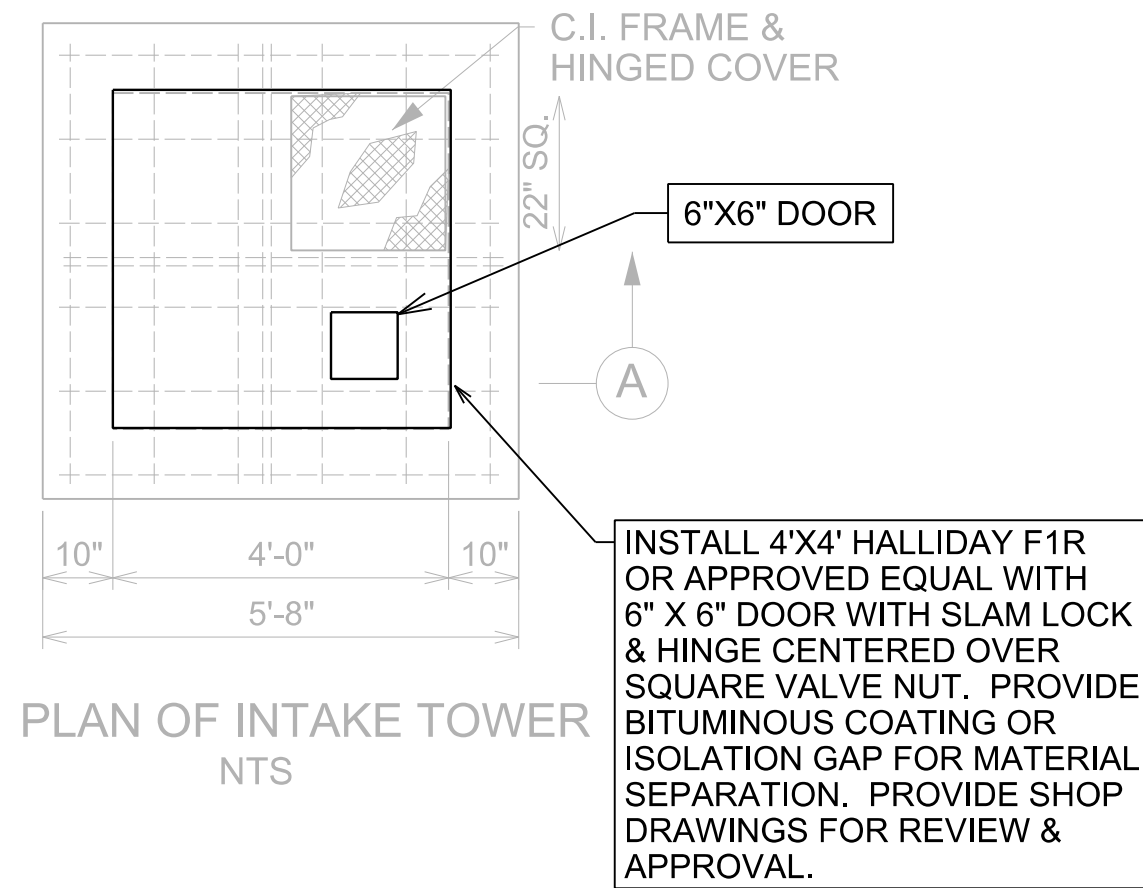
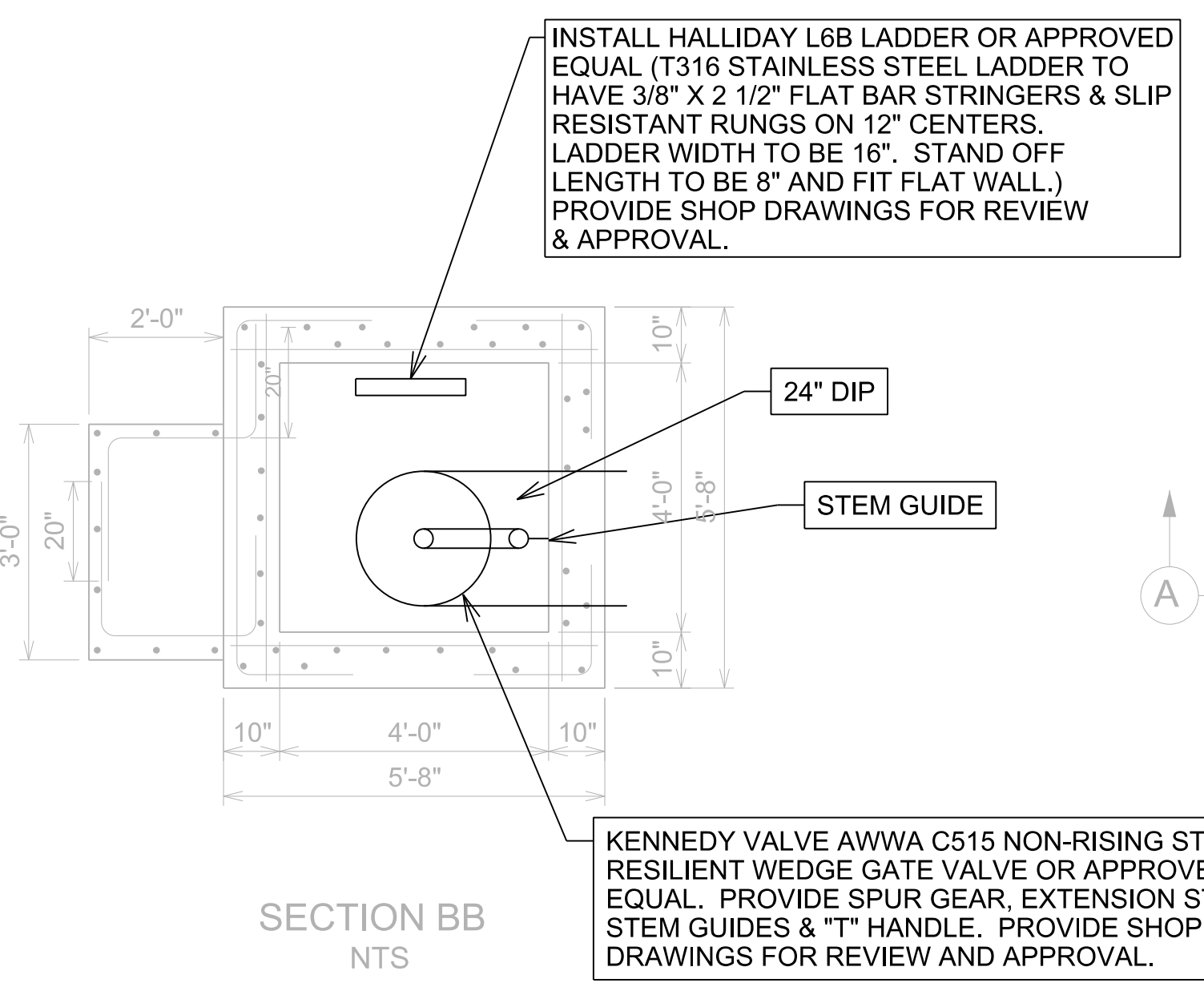
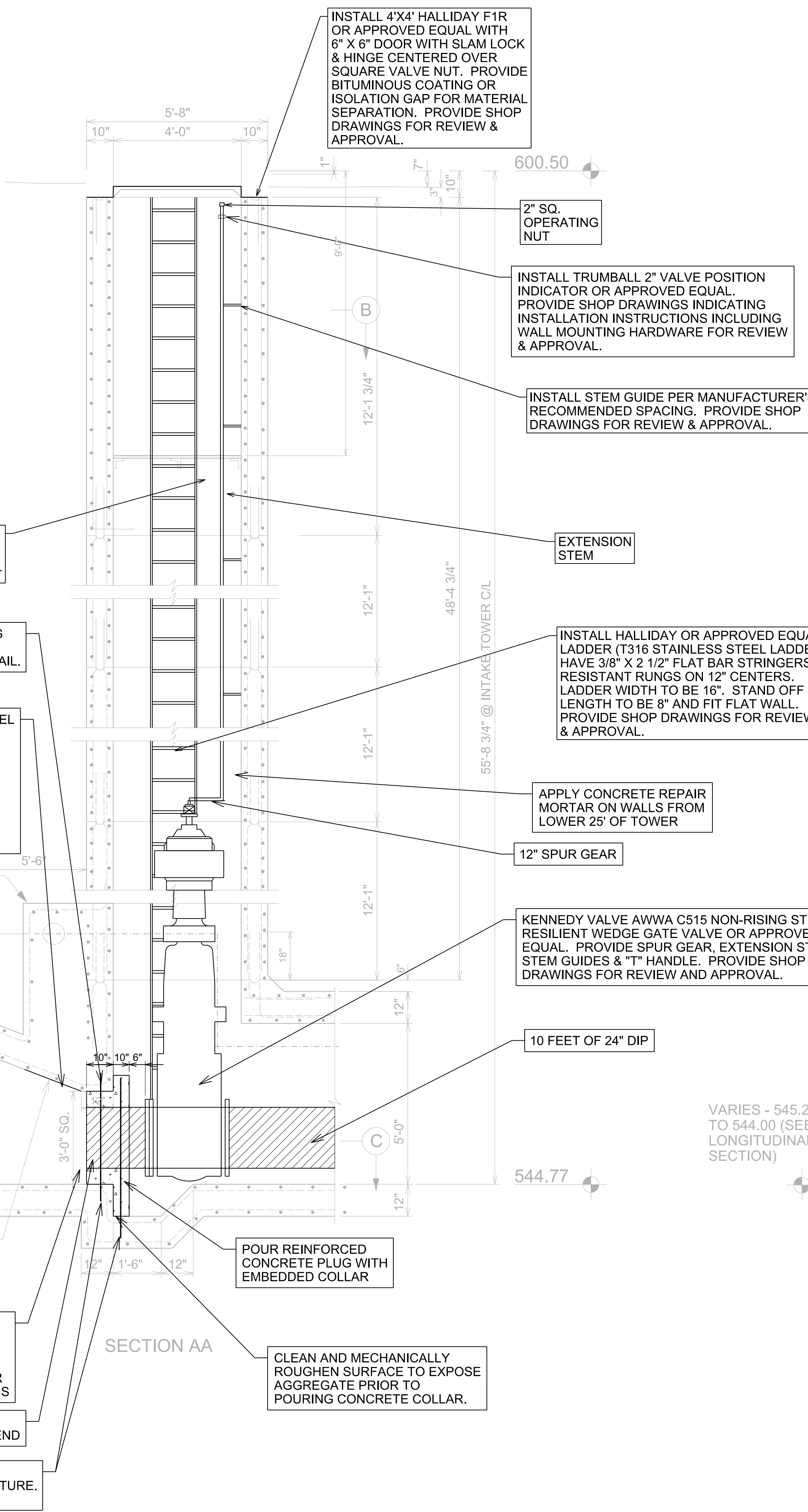






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CONTRACTOR TO PROVIDE  
 WHEELER REX POWER DRIVE W/  
 CLUTCH COUNTER (PART  
 #WR-681150) & 6' TELESCOPING  
 VALVE KEY (PART #8806) OR  
 APPROVED EQUAL.  
 CONTRACTOR ALSO TO  
 PROVIDE HONDA GENERATOR  
 (EM5000S) OR APPROVED  
 EQUAL.



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 Scale: 1"=

Technician: KG  
 Date: 07/19/18  
 Field Bk:

**LAKE GEODE VALVE REPLACEMENT**  
 PROPOSED SHEET 2  
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 Sheet C1.05