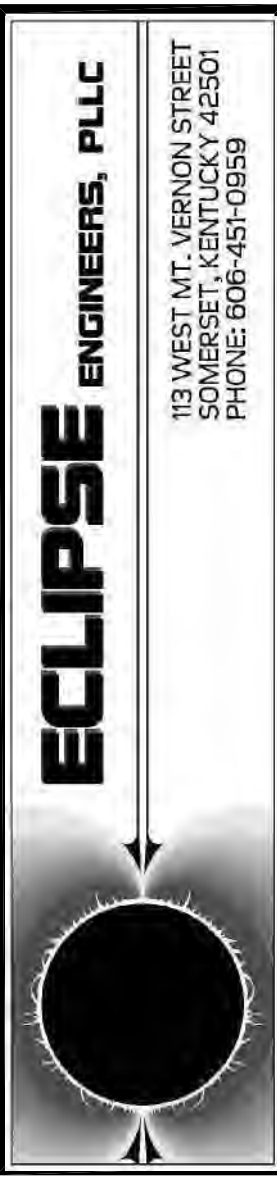
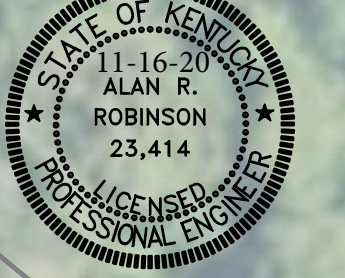




STEPHENS TOMMY L & BOBBIE J  
PO BOX 185  
REVELO KY 42638

*Alan R. Robinson*



**ECLIPSE ENGINEERS, PLLC**  
113 WEST MT. VERNON STREET  
SONNENSET, KENTUCKY 42601  
PHONE: 606-451-0859

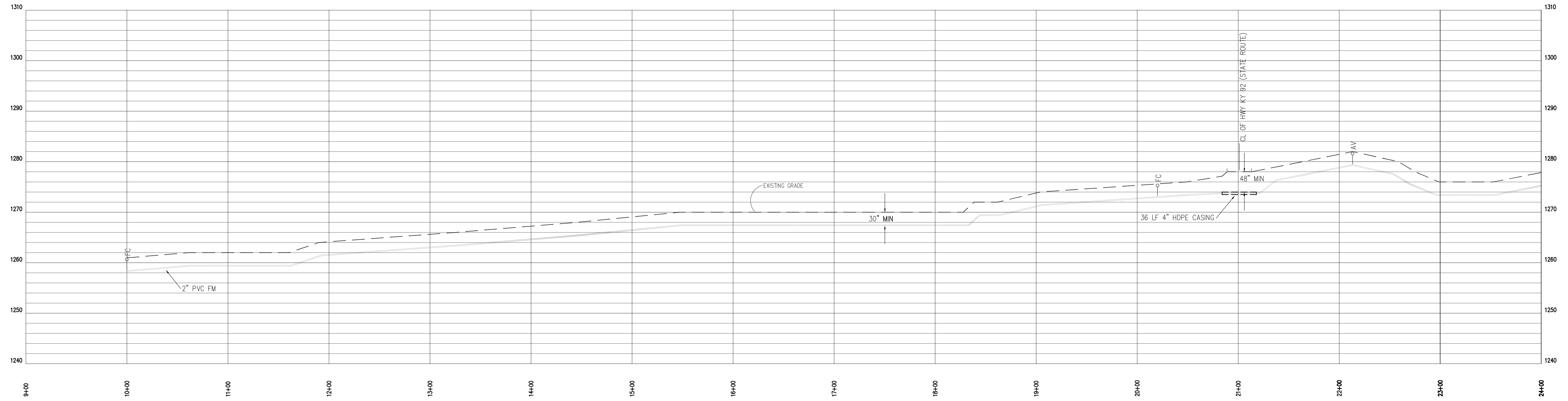
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CHECKED BY:	ARR	ARR
PROJECT NO.:	19016	ARR
DATE:	AUGUST 2020	ARR
CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
WATER DISTRICT  
456 N. HWY 27  
WHITLEY CITY, KENTUCKY 42653

PLAN  
SANITARY SEWER COLLECTION SYSTEM EXPANSION  
PHASE ONE - CONTRACT No. 39

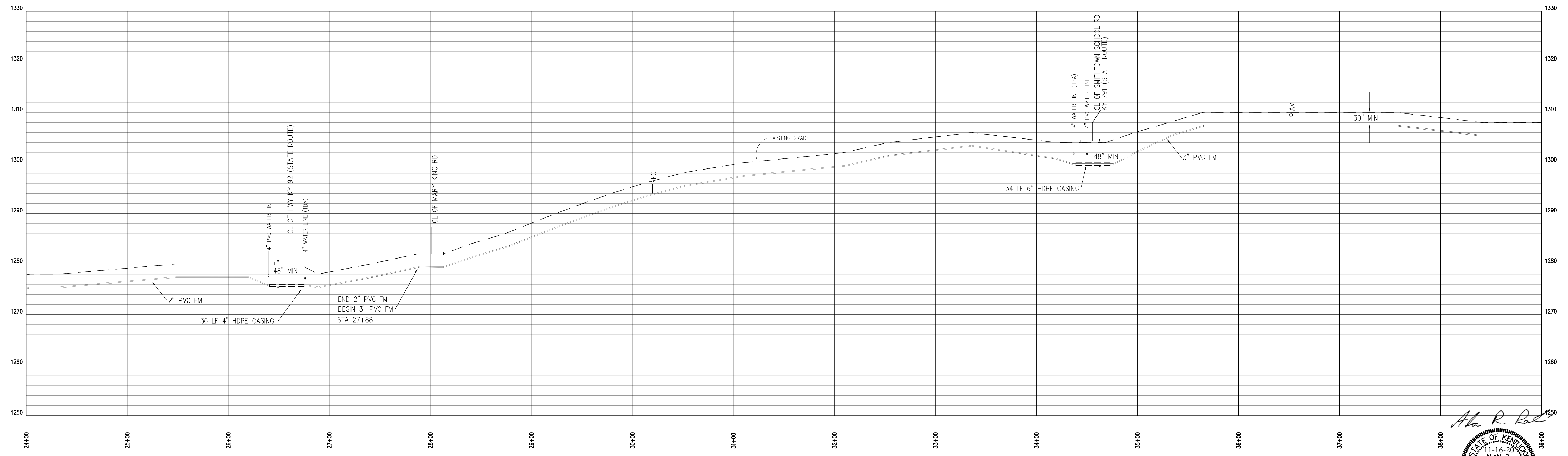
SHEET NUMBER:  
**51**

# SANITARY SEWER PROFILE LINE STN 1 FM

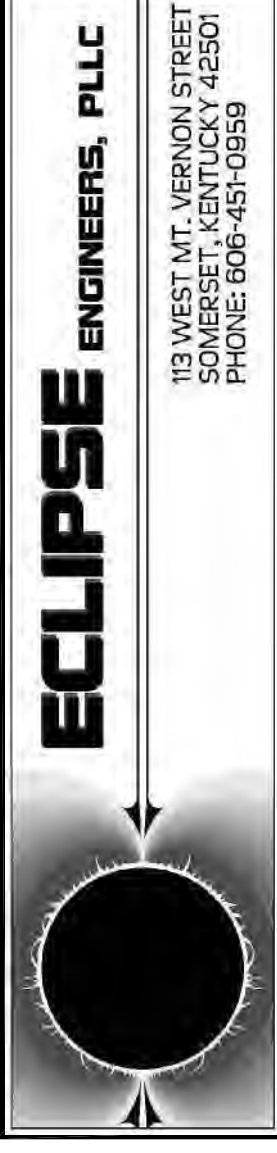


PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"= 50'

# SANITARY SEWER PROFILE LINE STN 1 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

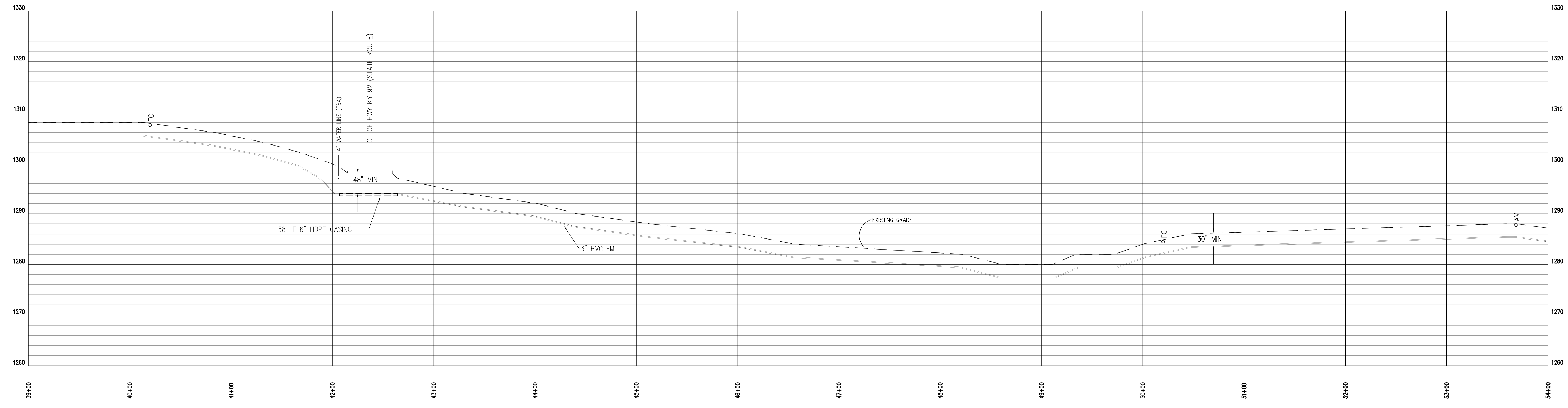


SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

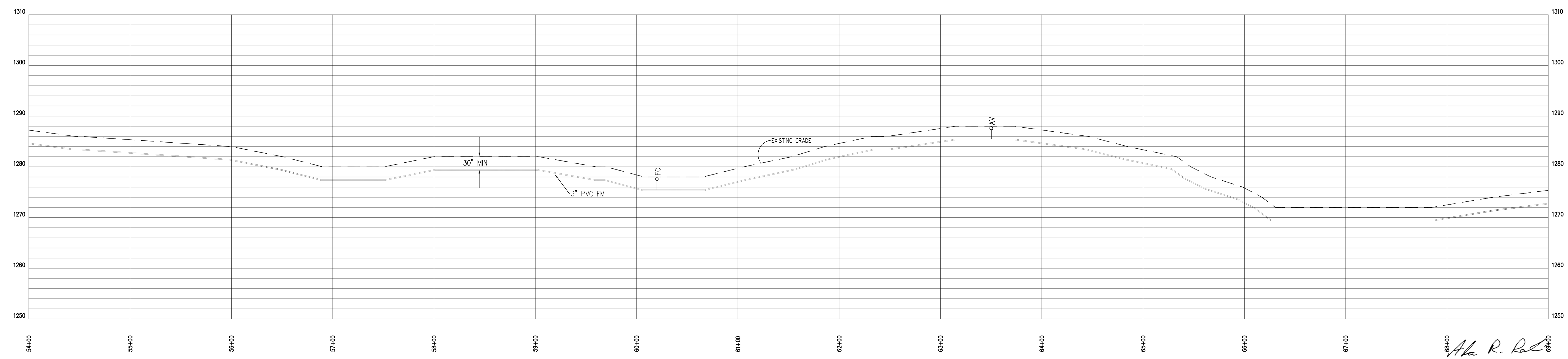
PROFILE LINE STN 1  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 1 FM

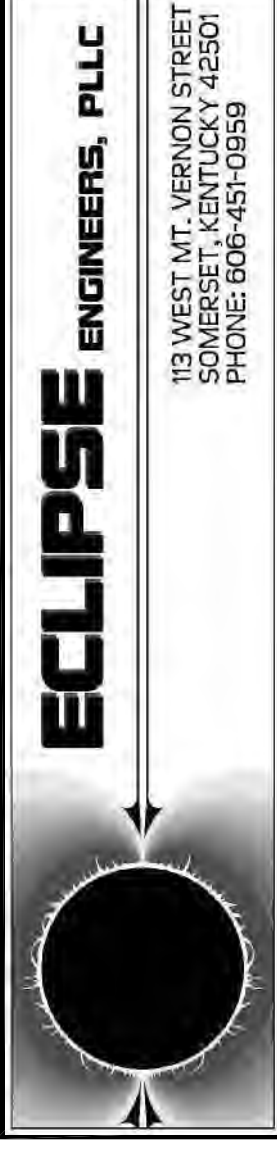


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 1 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

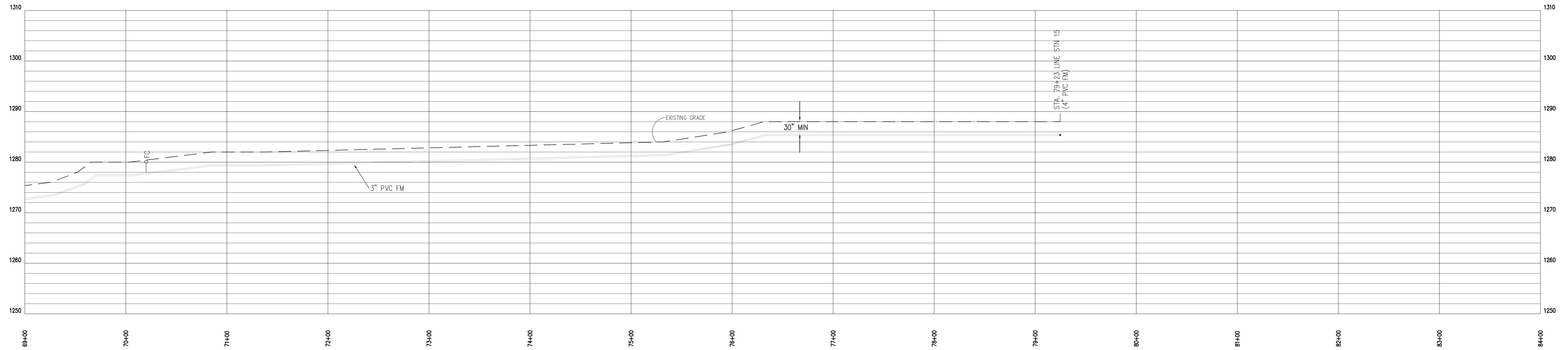


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DRAWN BY:	WBD					
CHECKED BY:	ARR					
PROJECT NO.:	19016					
DATE:	AUGUST 2020					
CAD DWG ID:	JOB 19016 SANITARY SEWER					

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

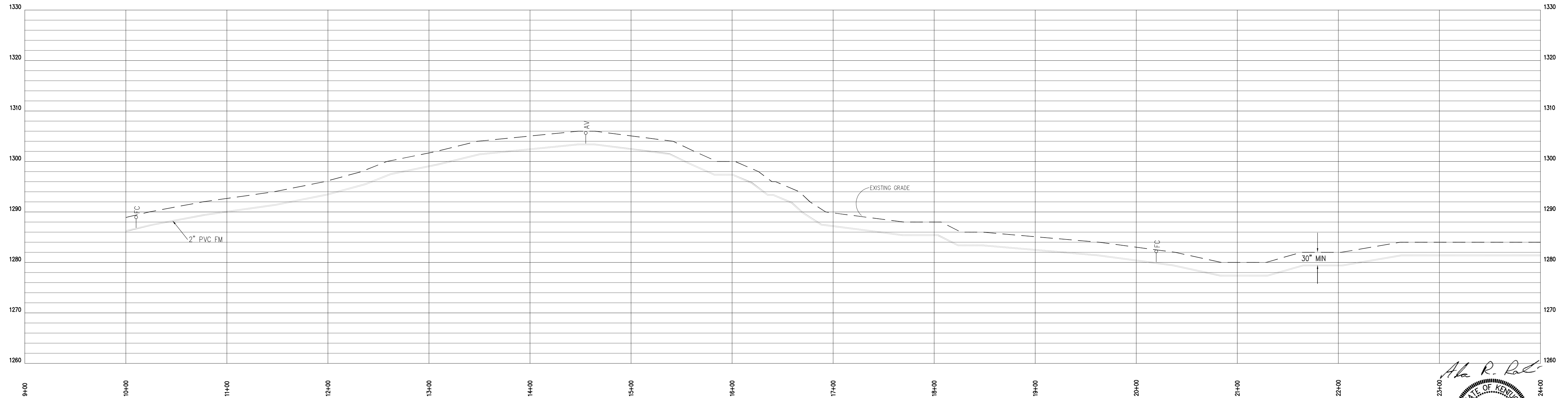
PROFILE LINE STN 1  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 1 FM

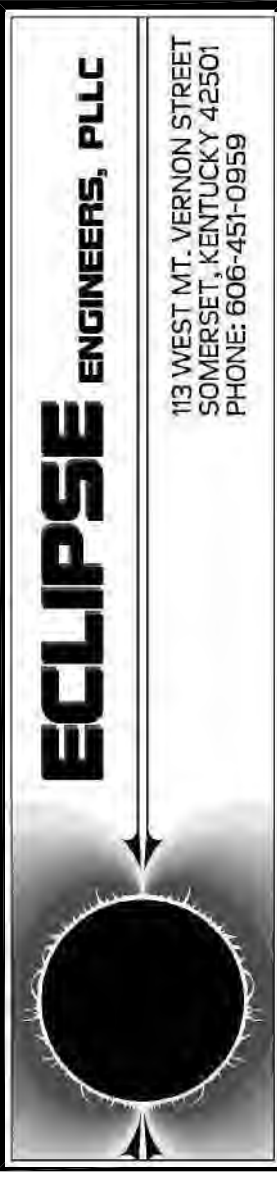


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 2 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



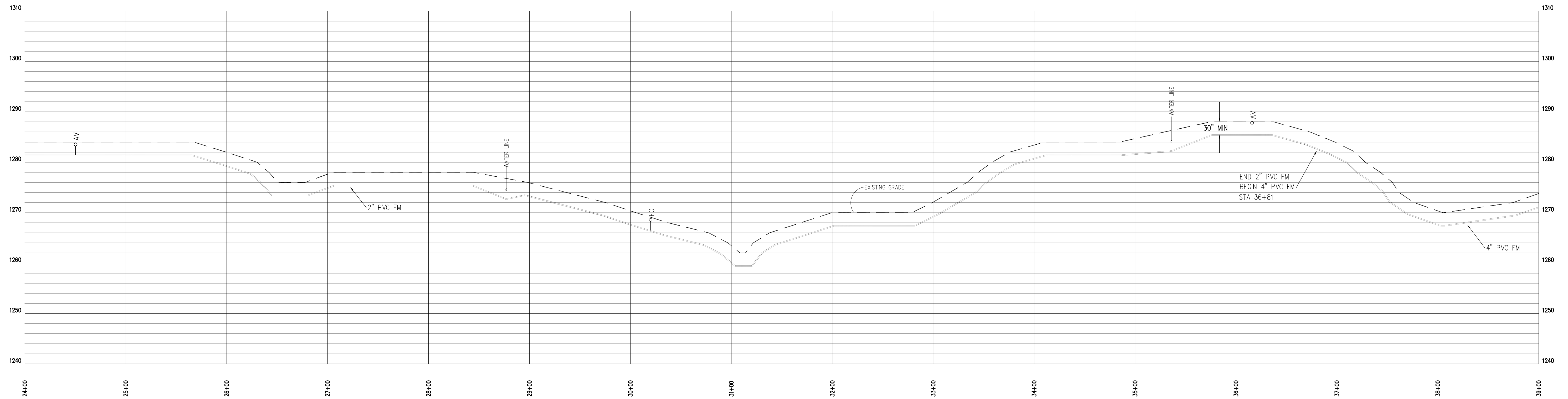
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

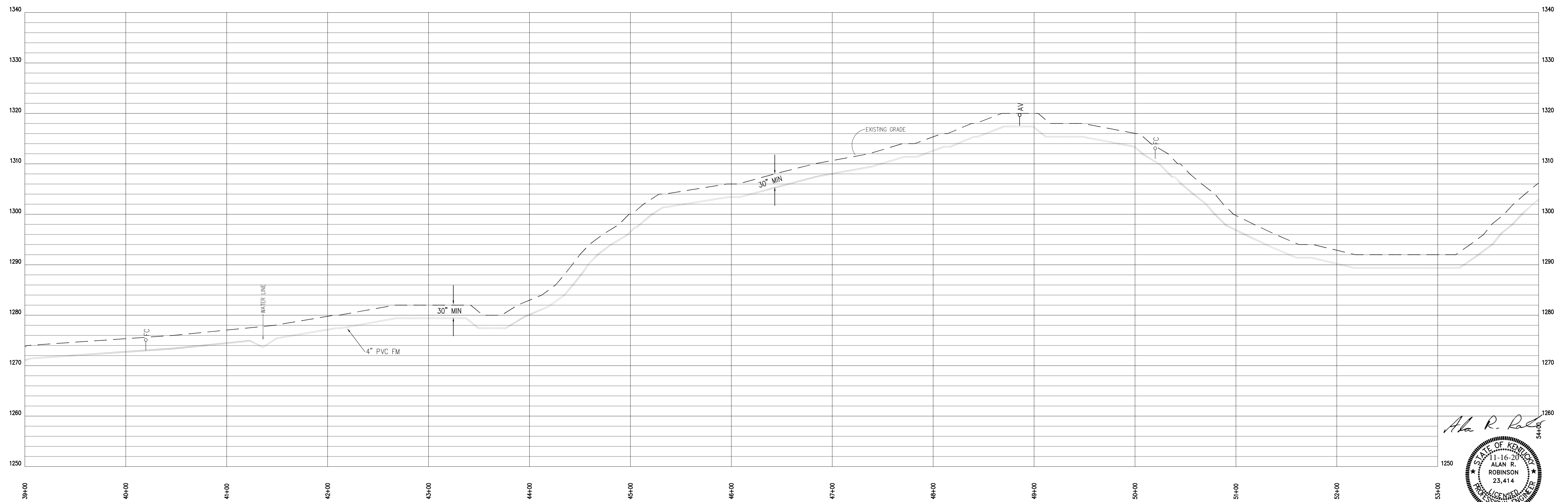
PROFILE LINE STN 1 AND STN 2  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 2 FM

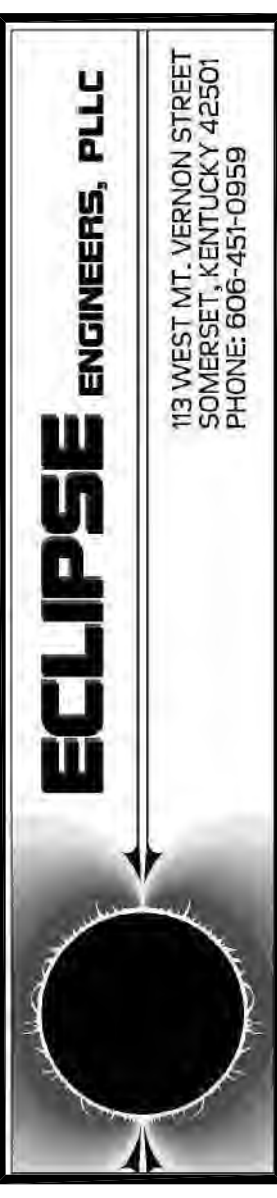


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 2 FM



*Alan R. Robinson*  
 54+00  
 1250



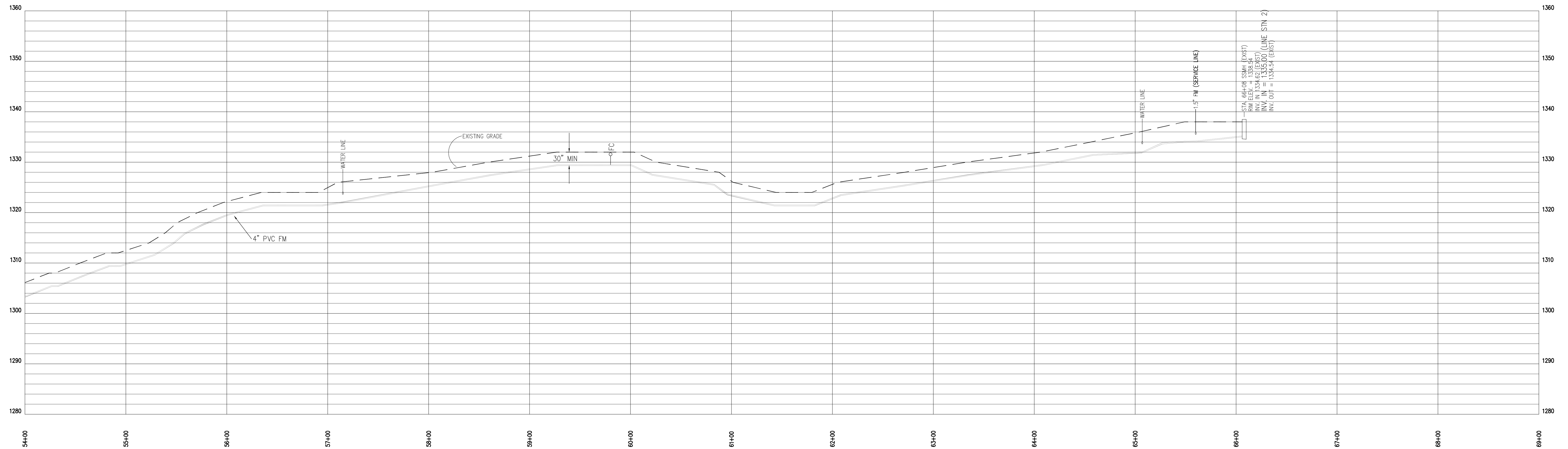
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DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 2  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

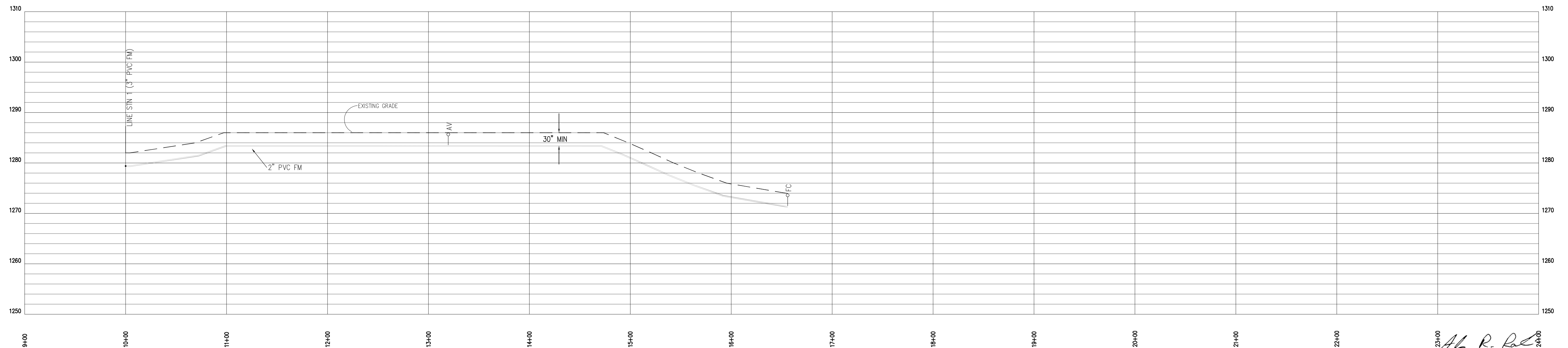
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859


# SANITARY SEWER PROFILE LINE STN 2 FM

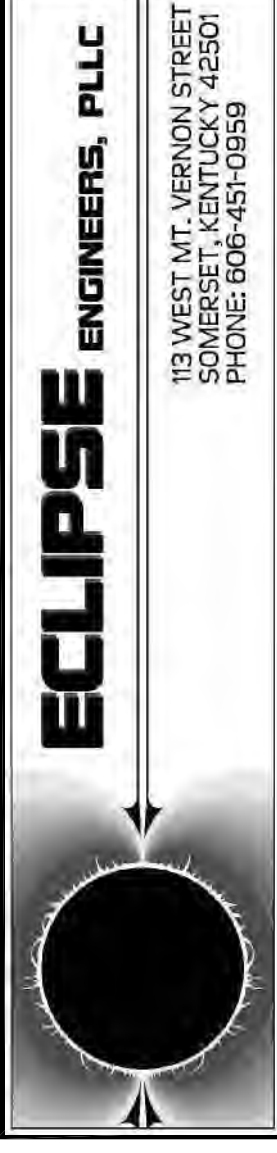


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 3 FM



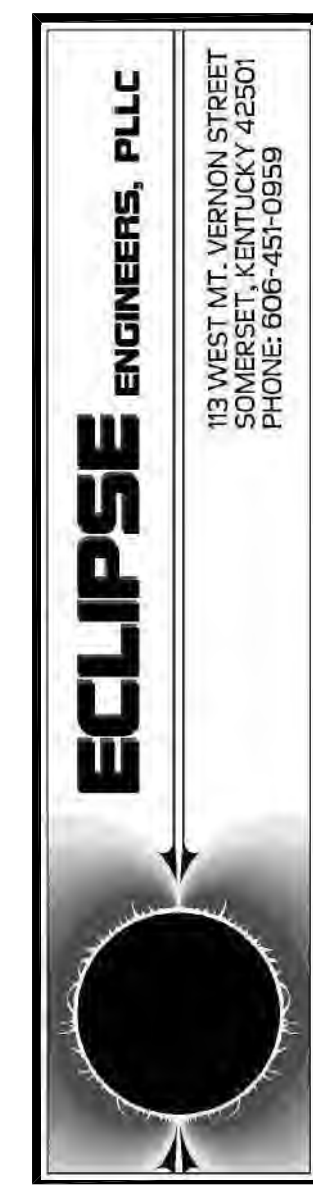
23+00  
*Alan R. Robinson*  
 24+00  




SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 2 AND STN 3  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39



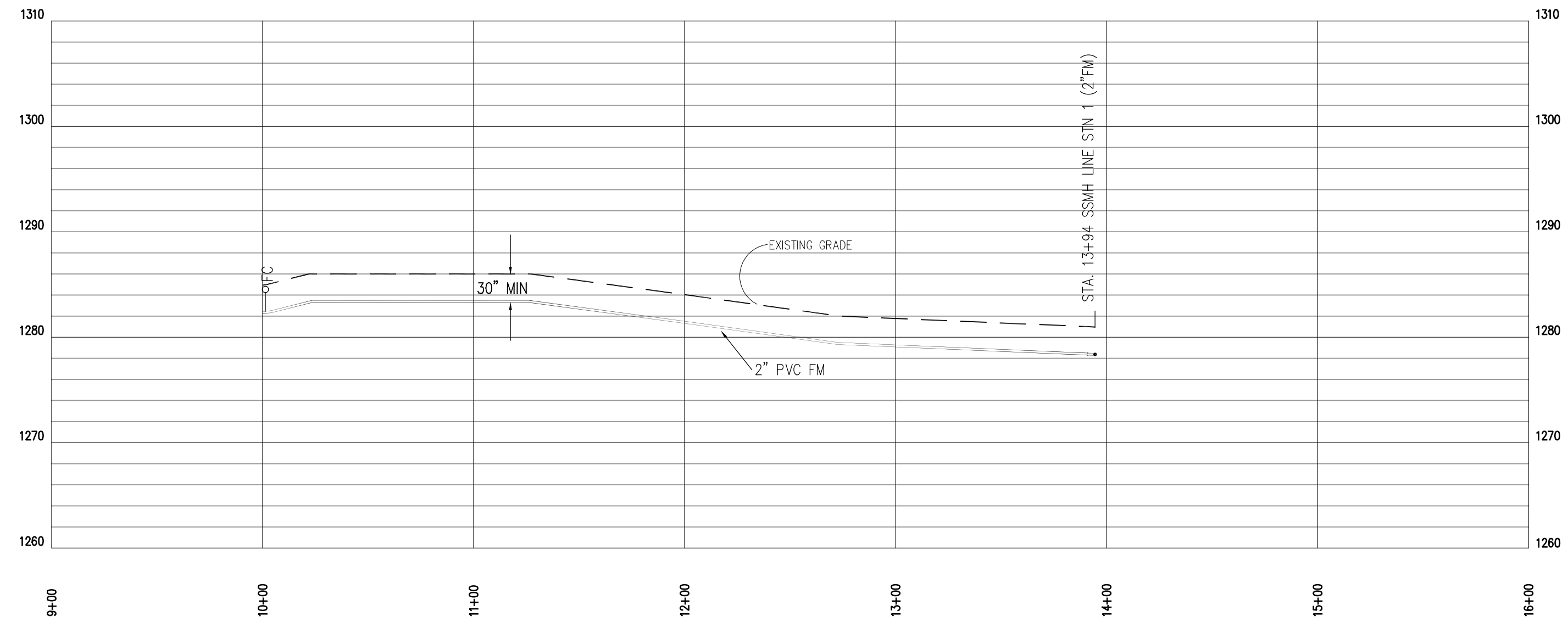
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DRAWN BY:	ARR	ARR
CHECKED BY:	WBD	WBD
PROJECT NO.:	ARR	ARR
DATE:	19016	19016
CAD DWG ID:	AUGUST 2020	AUGUST 2020
	JOB NO: 19016 SANITARY SEWER	

McCREARY COUNTY  
WATER DISTRICT  
456 N. HWY 27  
WHITLEY CITY, KENTUCKY 42653

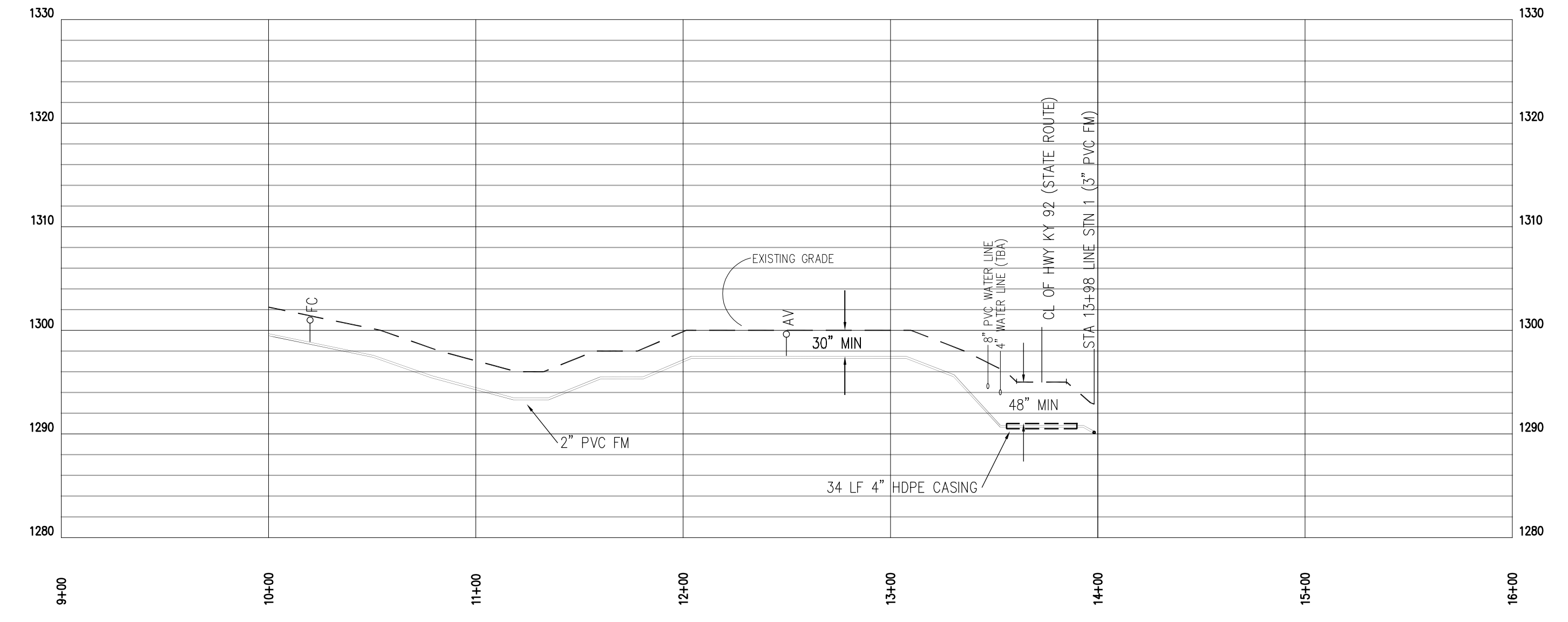
PROFILE LINE STN 4, STN 5, STN 6, AND STN 8  
SANITARY SEWER COLLECTION SYSTEM EXPANSION  
PHASE ONE - CONTRACT No. 39

SHEET NUMBER:  
**57**

### SANITARY SEWER PROFILE LINE STN 4 FM

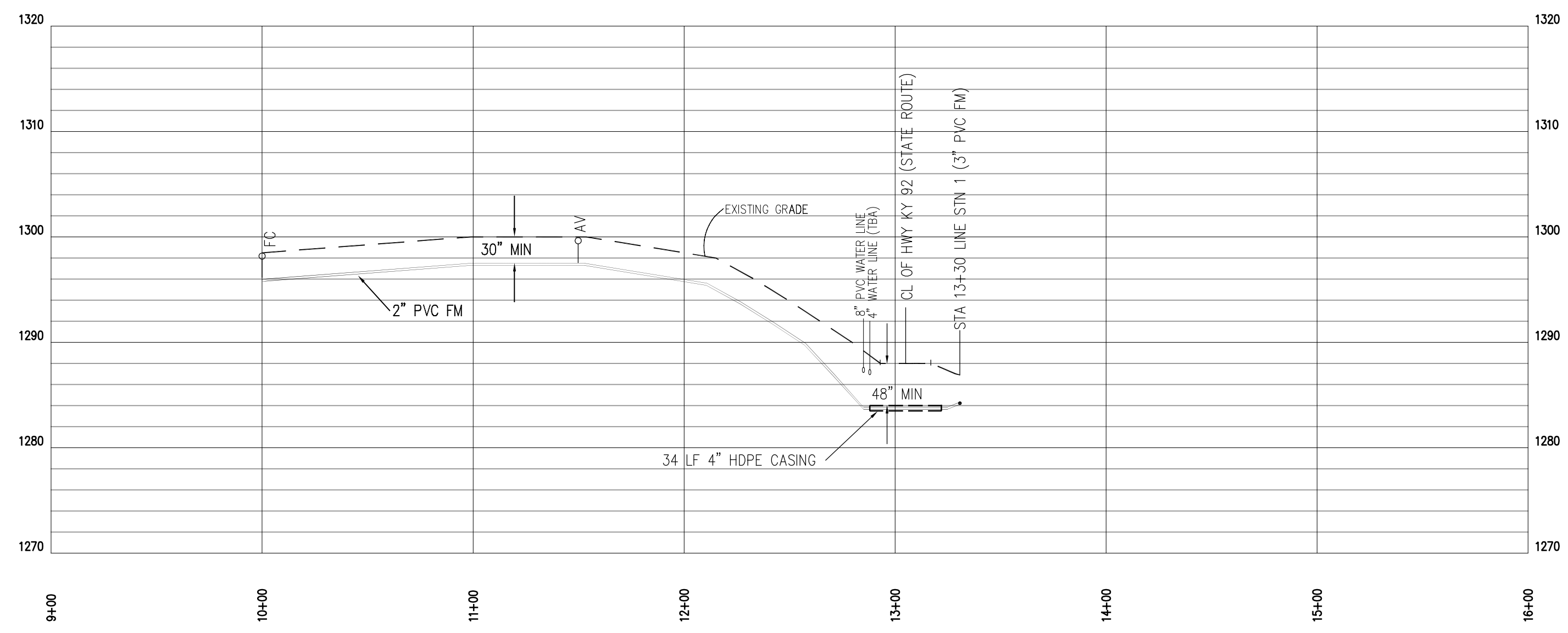


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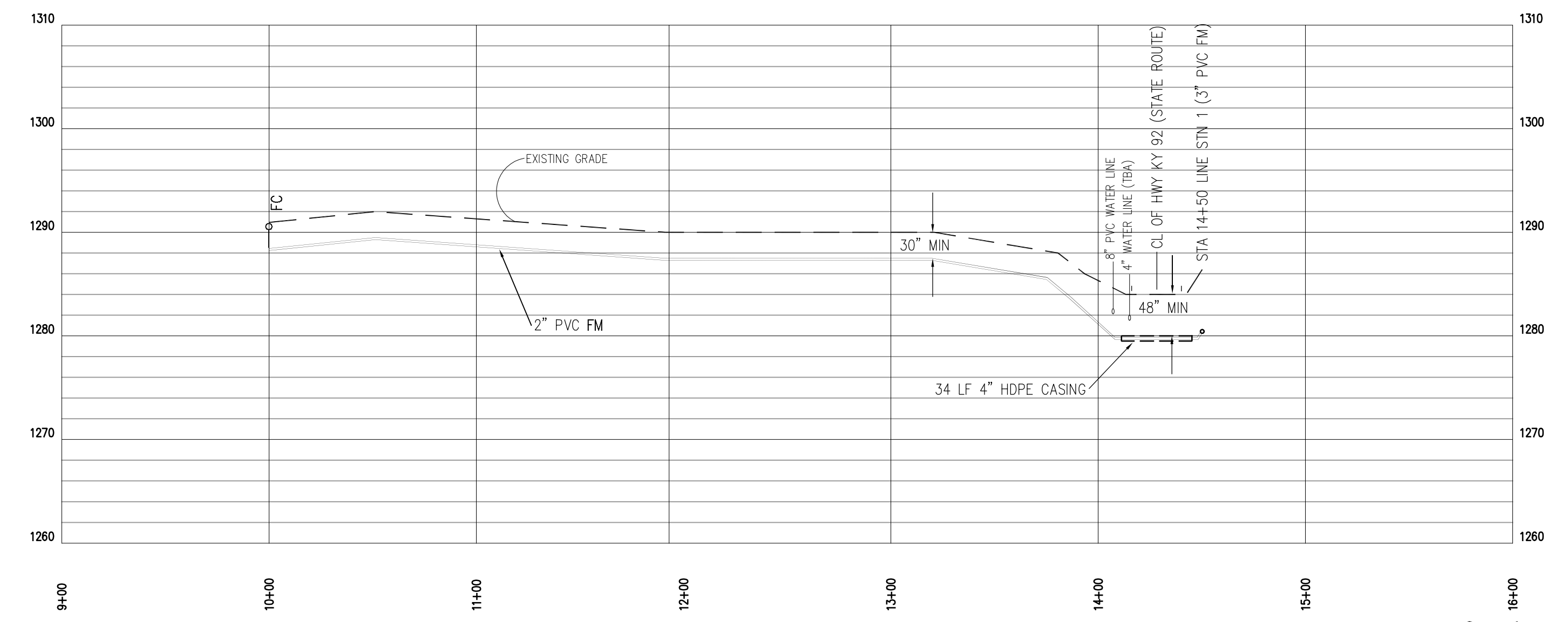


PROFILE SCALE  
VERTICAL: 1" = 10'  
HORIZONTAL: 1" = 50'

### SANITARY SEWER PROFILE LINE STN 6 FM



### SANITARY SEWER PROFILE LINE STN 8 FM



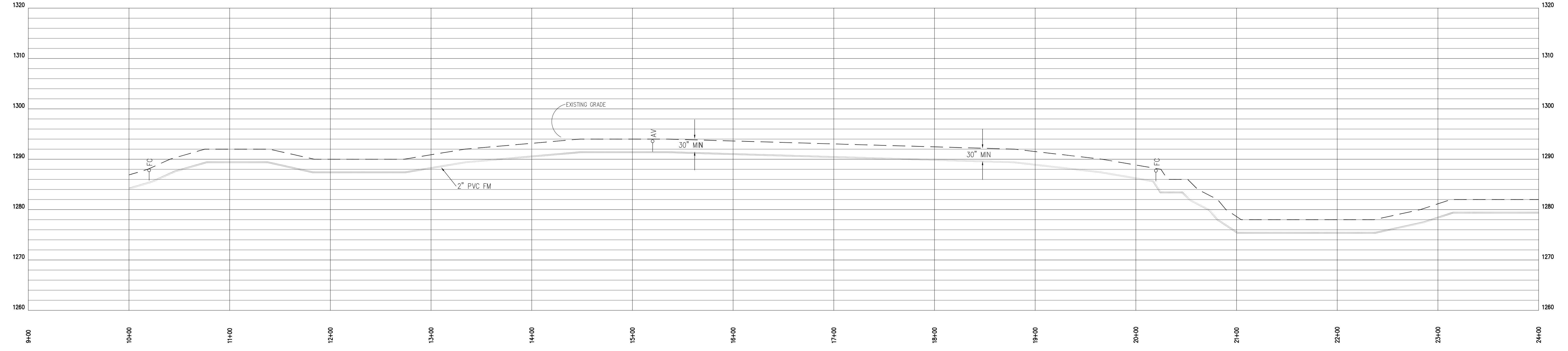
*Alan R. Robinson*  
STATE OF KENTUCKY  
11-16-20  
ALAN R. ROBINSON  
23,414  
LICENSED PROFESSIONAL ENGINEER

SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

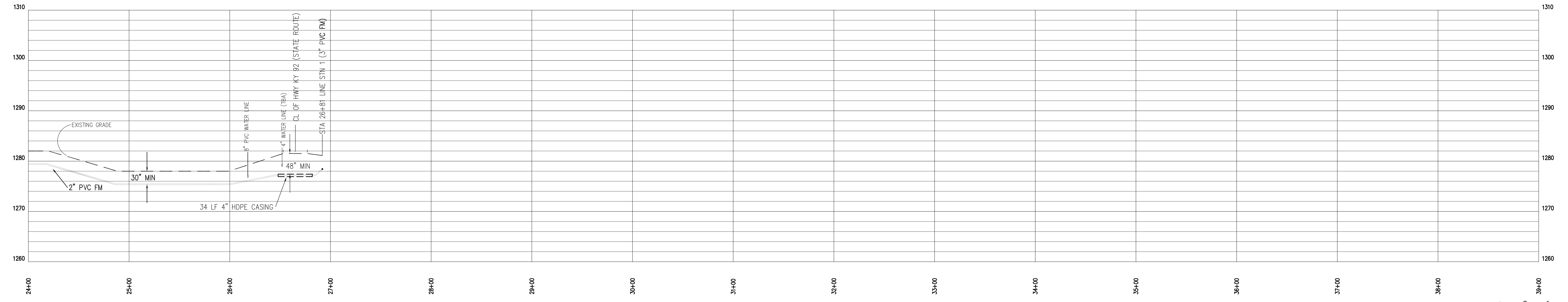
PROFILE LINE STN 7  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 7 FM



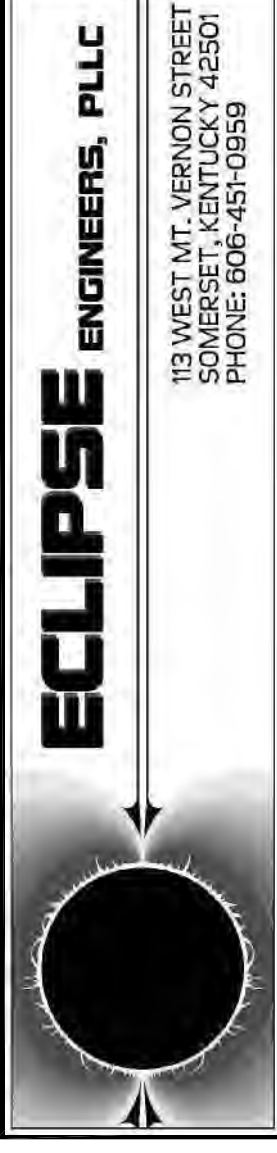
PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"= 50'

# SANITARY SEWER PROFILE LINE STN 7 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
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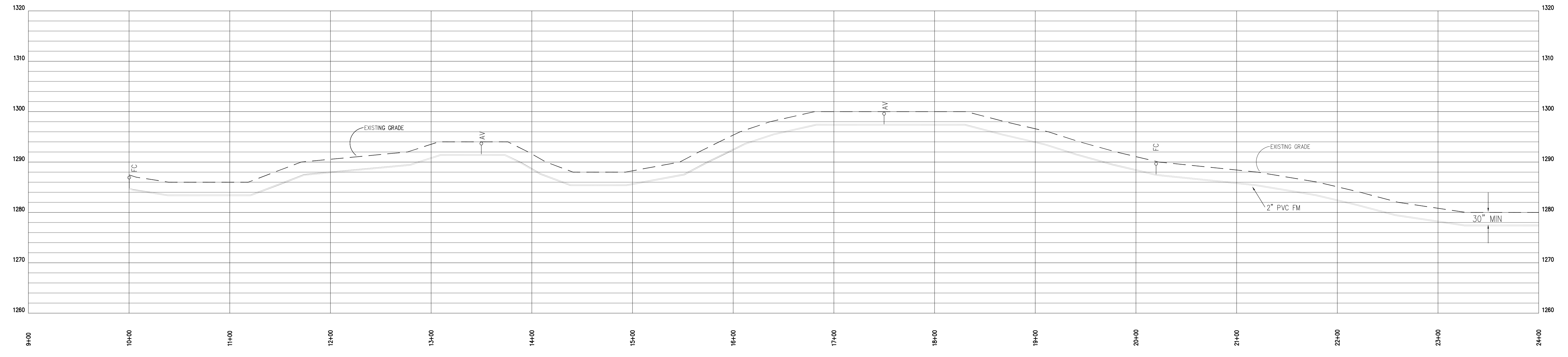
SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
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	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 9  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

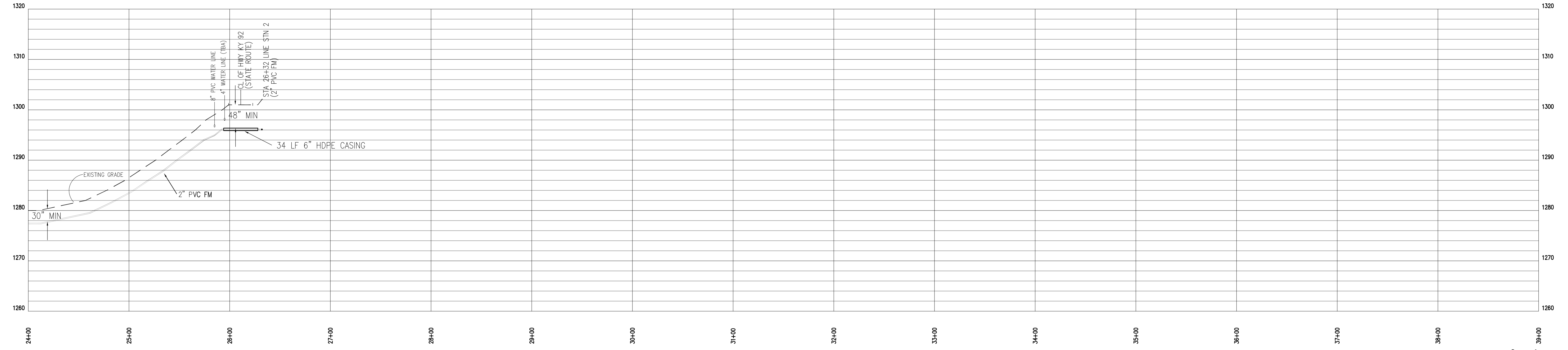
SHEET NUMBER:  
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# SANITARY SEWER PROFILE LINE STN 9 FM

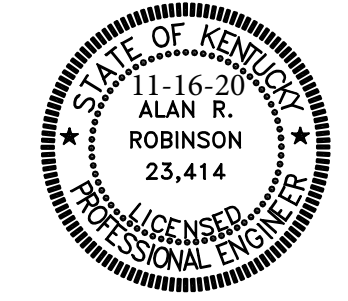


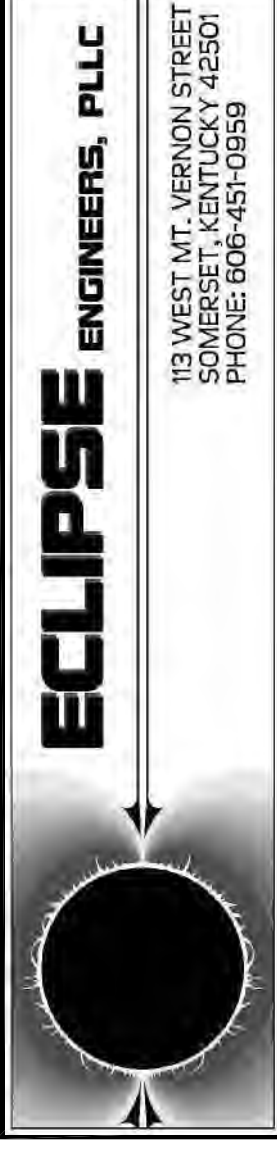
PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"= 50'

# SANITARY SEWER PROFILE LINE STN 9 FM



*Alan R. Robinson*





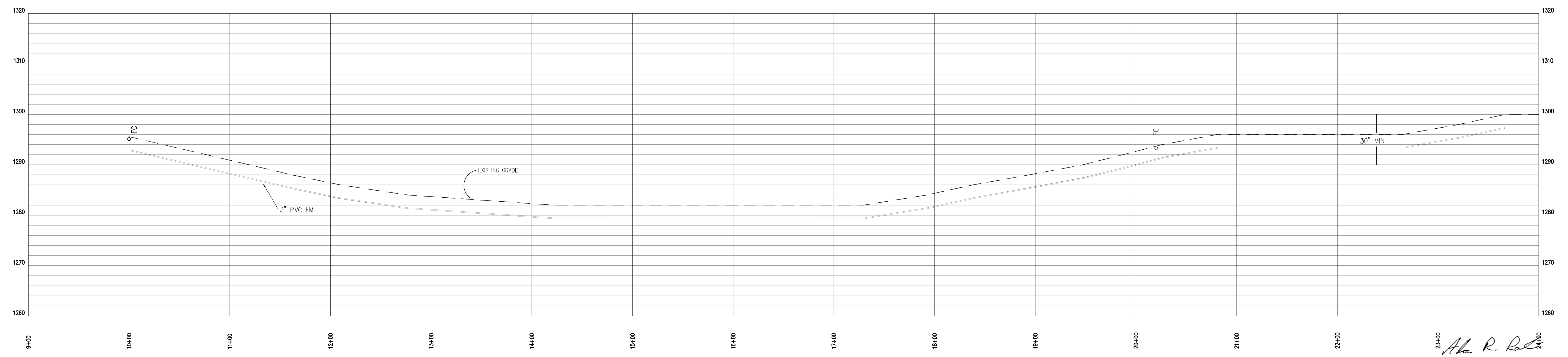
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DRAWN BY:	CHECKED BY:	WBD	ARR			
PROJECT NO:	DATE:	19016	AUGUST 2020			
CAD DWG ID:	JOB NO:	19016 SANITARY SEWER				

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 10  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

SHEET NUMBER:  
**60**

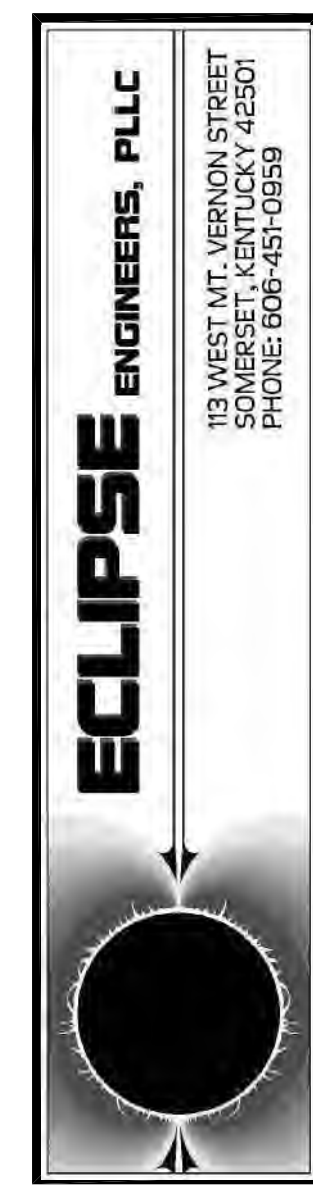
## SANITARY SEWER PROFILE LINE STN 10 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

*Alan R. Robinson*





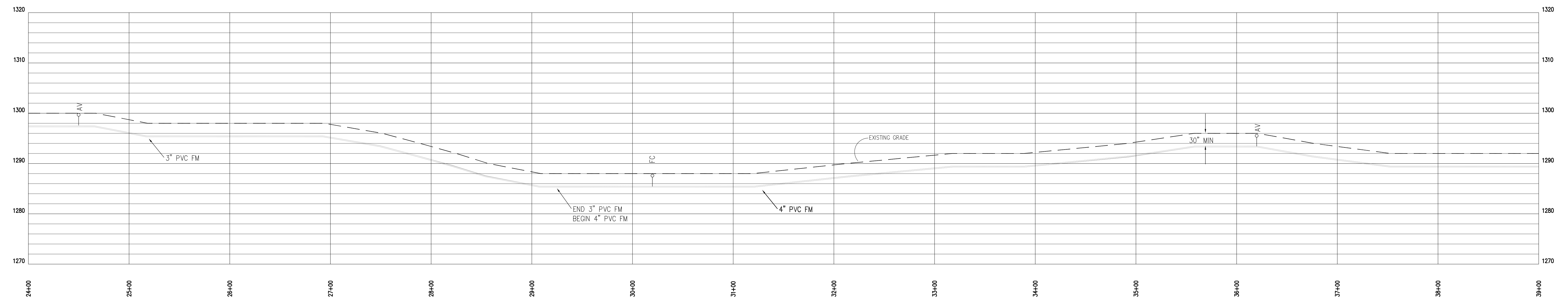
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DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	BY: DATE:

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 10  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

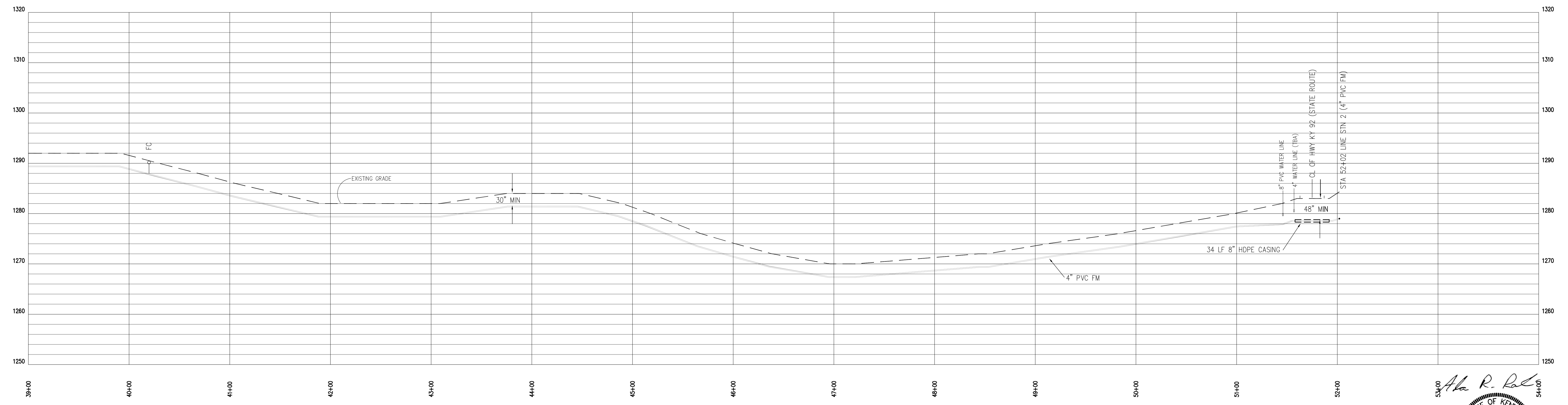
SHEET NUMBER:  
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### SANITARY SEWER PROFILE LINE STN 10 FM



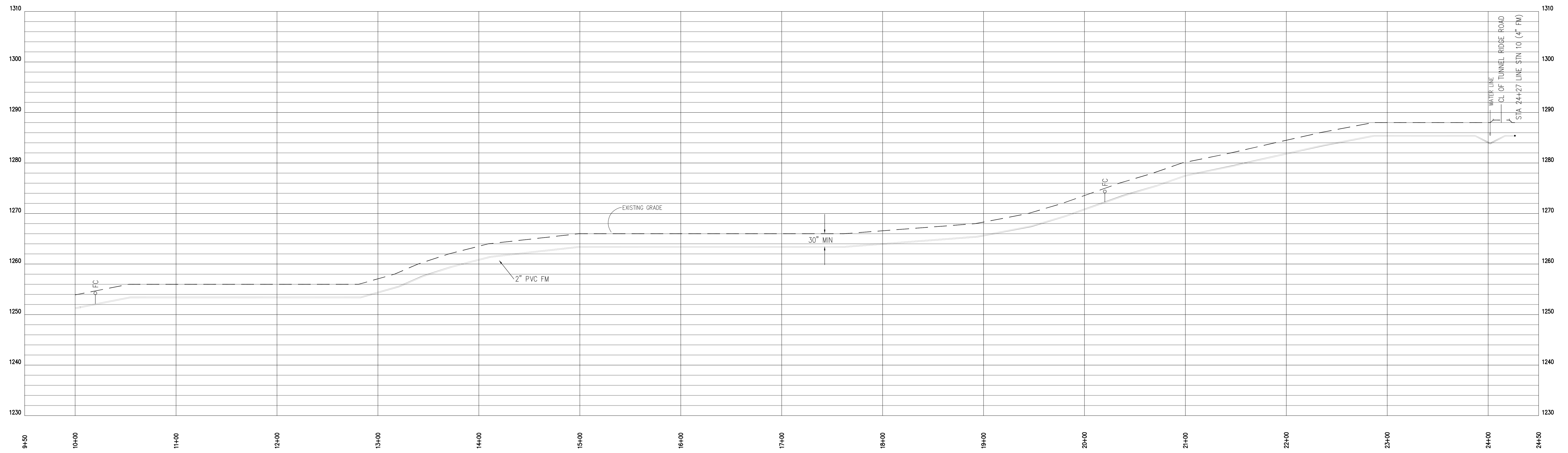
PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"=50'

### SANITARY SEWER PROFILE LINE STN 10 FM



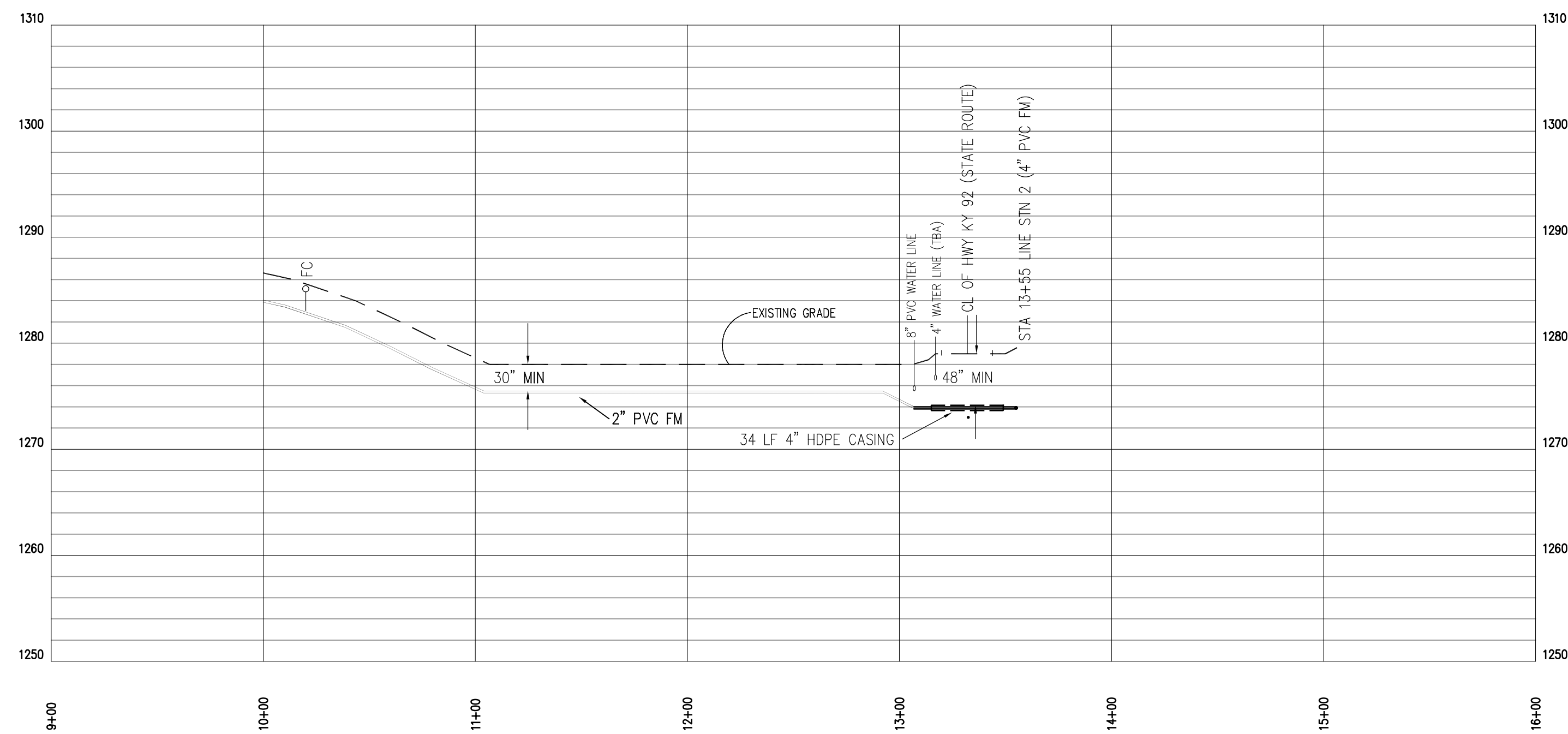
*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

# SANITARY SEWER PROFILE LINE STN 11 FM

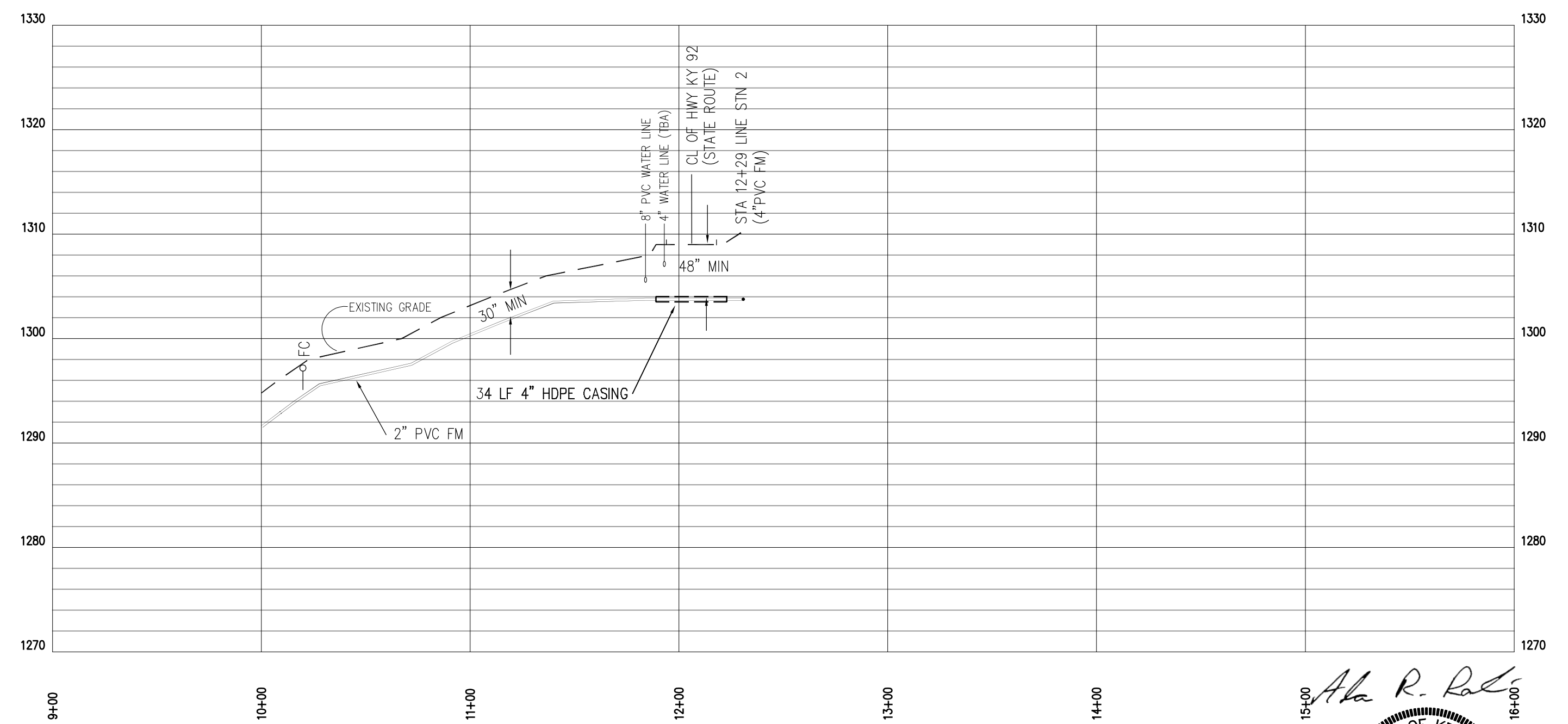


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

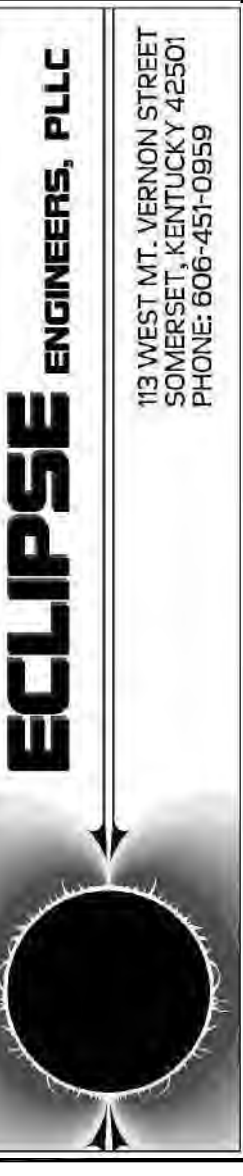
# SANITARY SEWER PROFILE LINE STN 12 FM



# SANITARY SEWER PROFILE LINE STN 13 FM



*Alan R. Roberson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBERSON  
 23,414  
 PROFESSIONAL ENGINEER

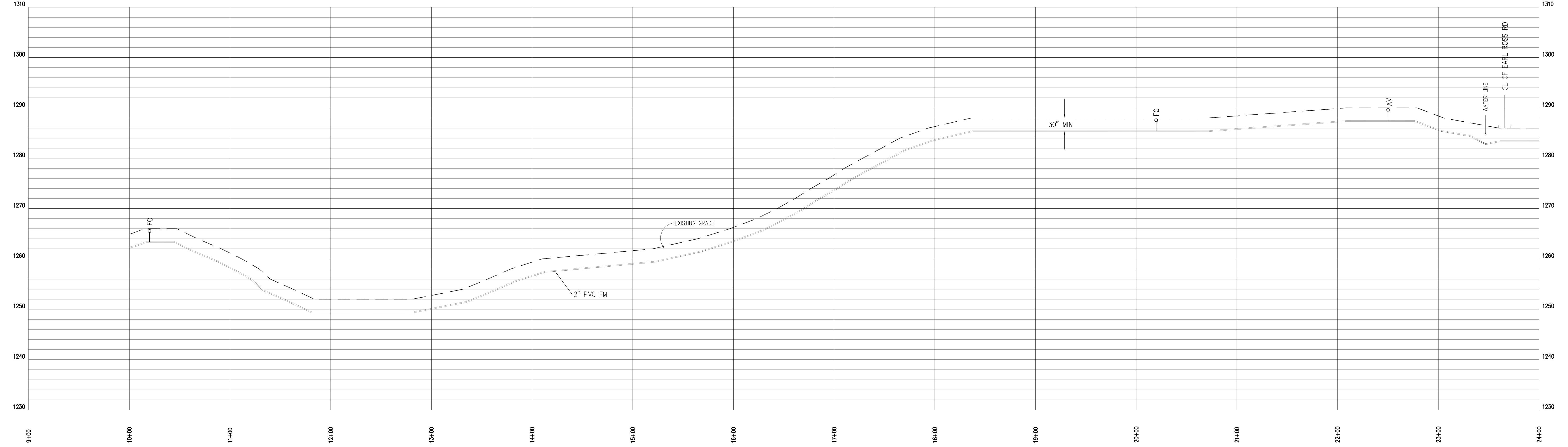


SCALE:	DESIGNED BY:	ARR	1"=50'
DRAWN BY:	WBD	ARR	ARR
CHECKED BY:	ARR	19016	ARR
PROJECT NO.:	DATE:	AUGUST 2020	ARR
CAD DWG ID:	JOB NO:	19016 SANITARY SEWER	ARR

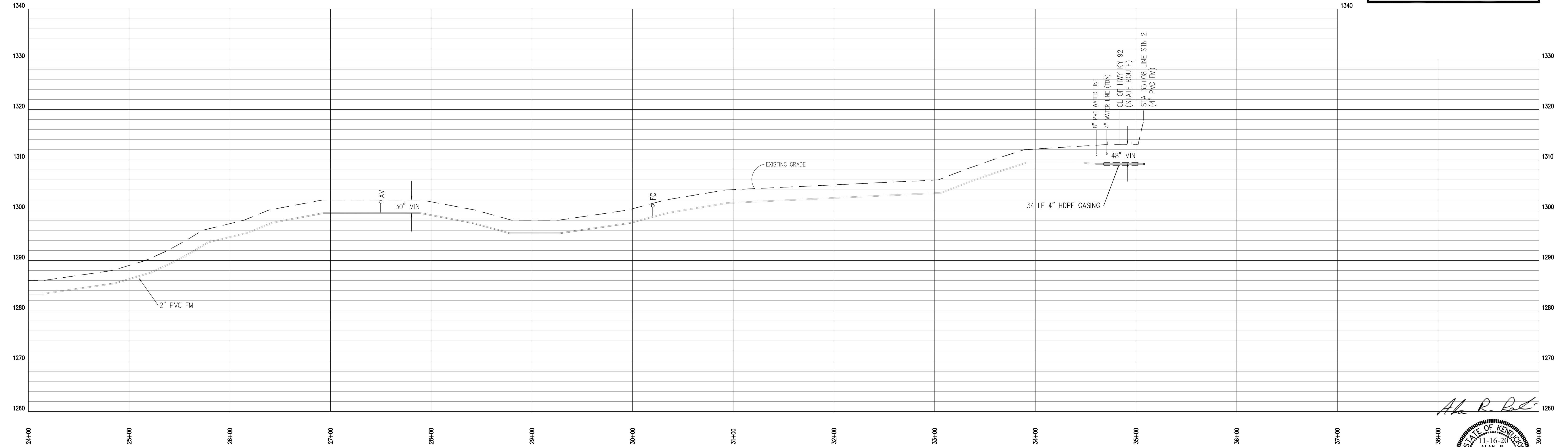
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 11, STN 12, AND STN 13  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 14 FM

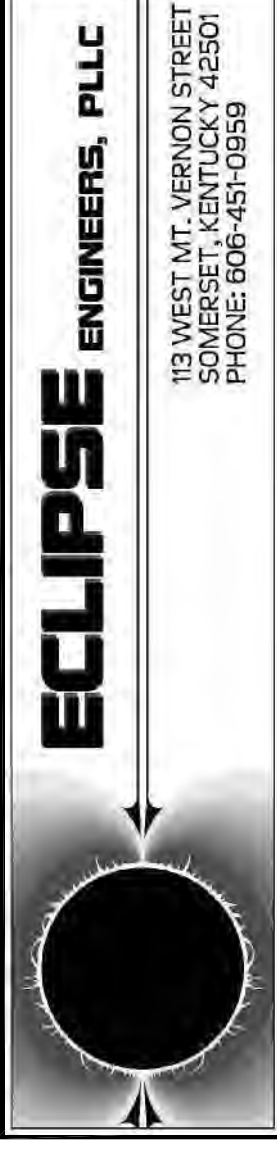


# SANITARY SEWER PROFILE LINE STN 14 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 PROFESSIONAL ENGINEER

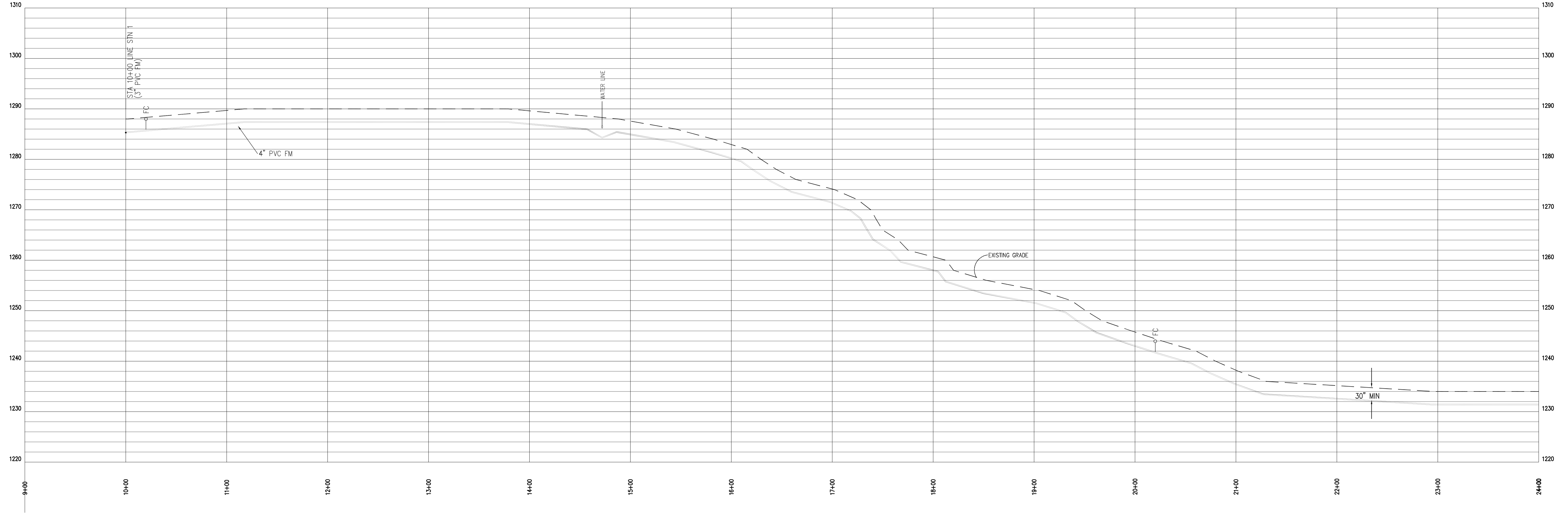


SCALE:	DESIGNED BY:	1"=50'	ARR	REVISION:	BY:	DATE:
DRAWN BY:	WBD	CHECKED BY:	ARR	PROJECT NO:	19016	AUGUST 2020
DATE:	AUGUST 2020		JOB NO: 19016 SANITARY SEWER			
CAD DWG ID:						

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

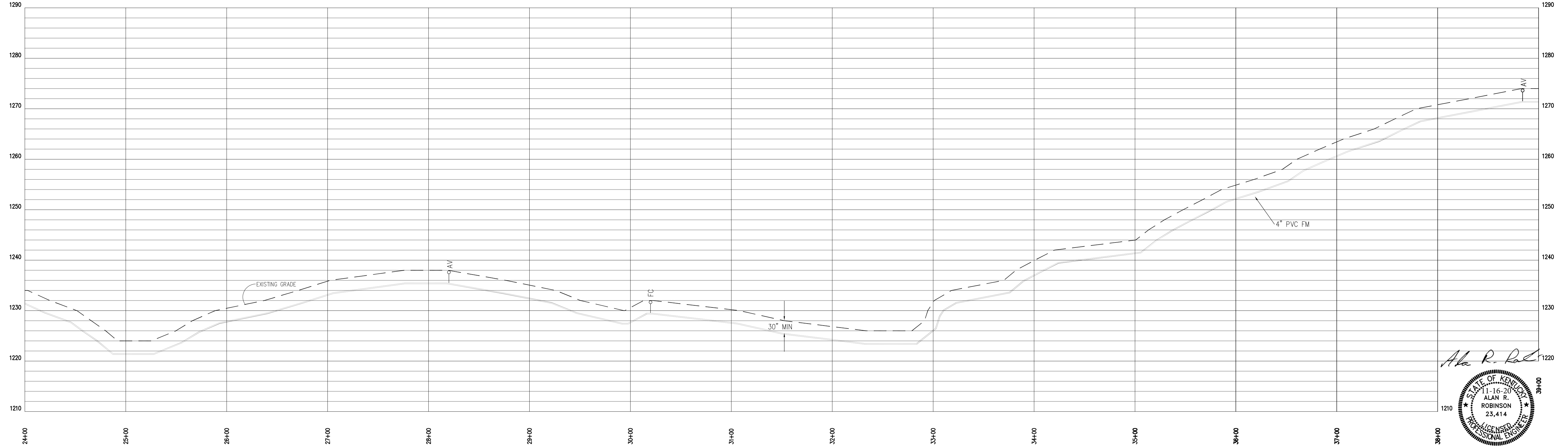
PROFILE LINE STN 14  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 15 FM

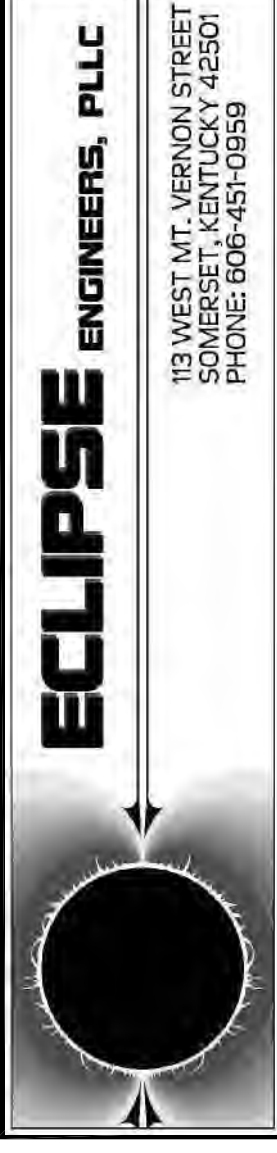


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 15 FM



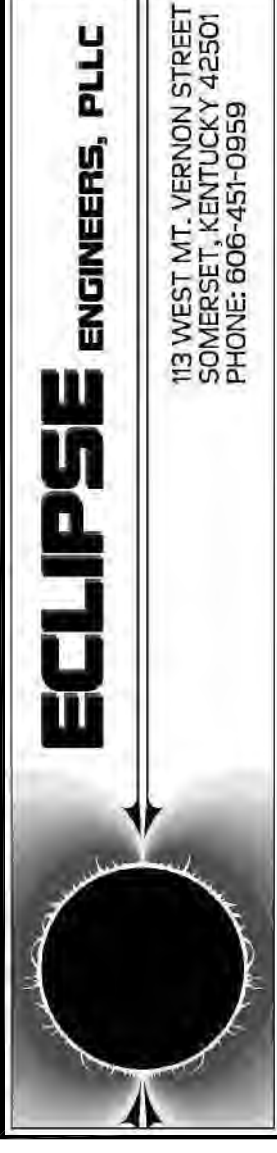
*Alan R. Robinson*  
 STATE OF KENTUCKY  
 1-16-20  
 ALAN R. ROBINSON  
 23,414  
 PROFESSIONAL ENGINEER



SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 15  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39



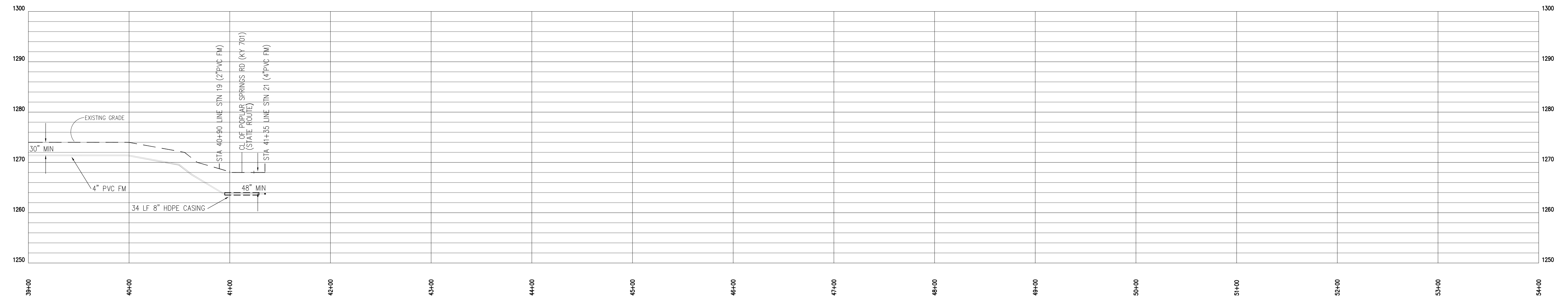
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	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 15, STN 17, AND STN 18  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

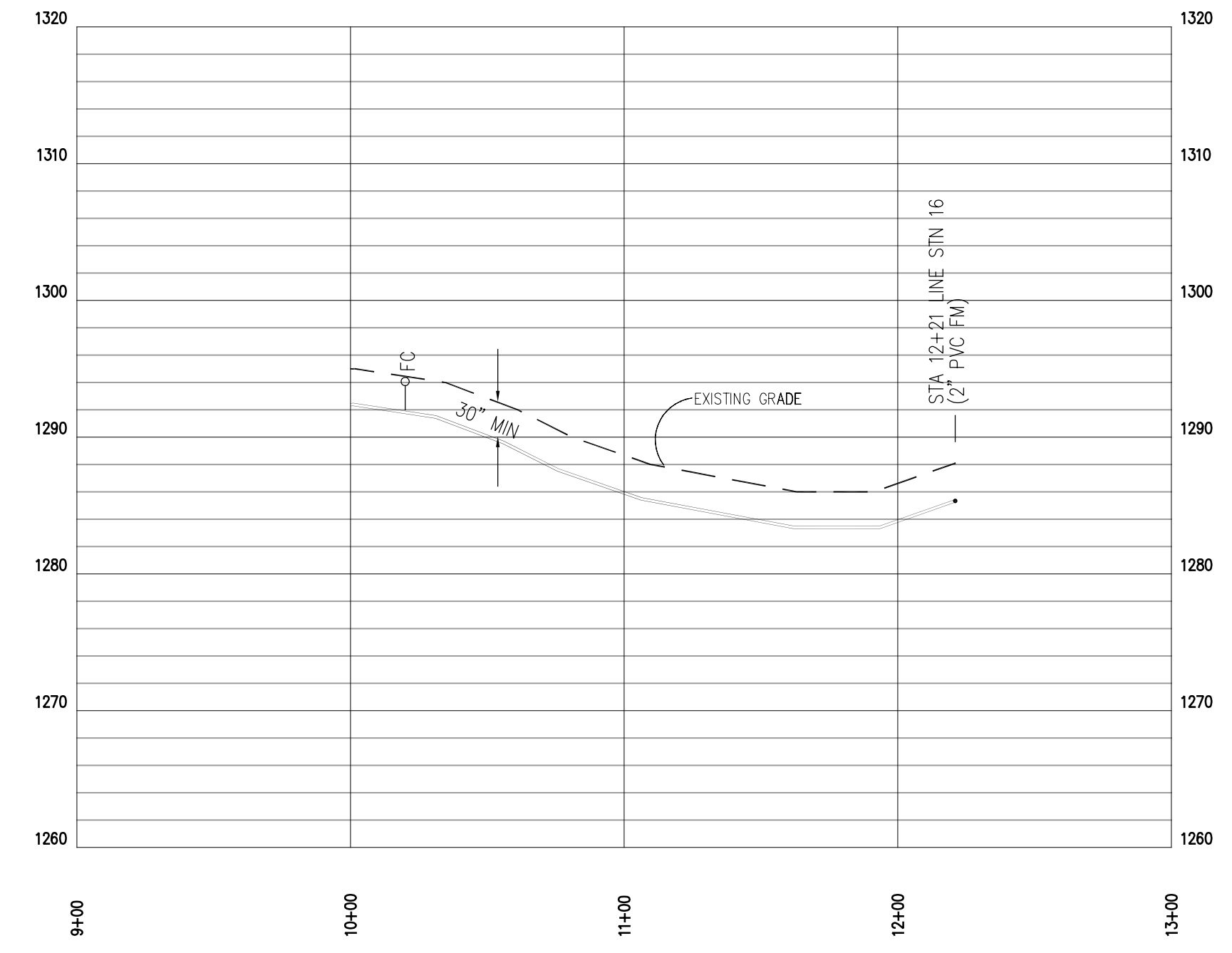
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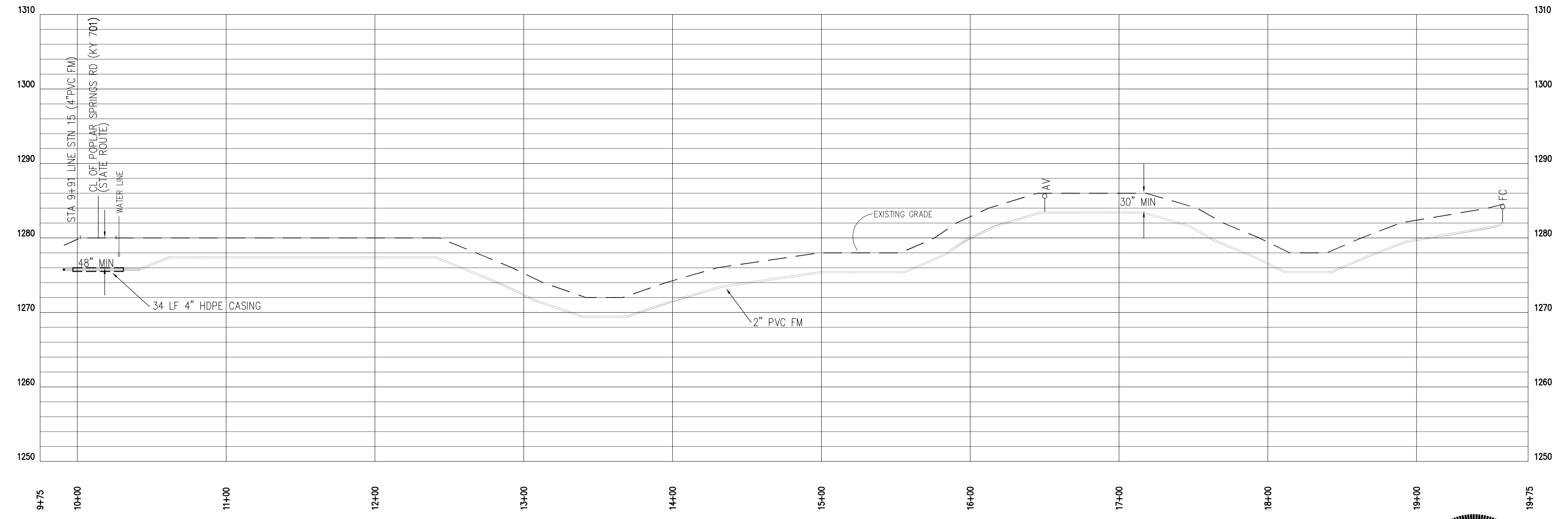


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

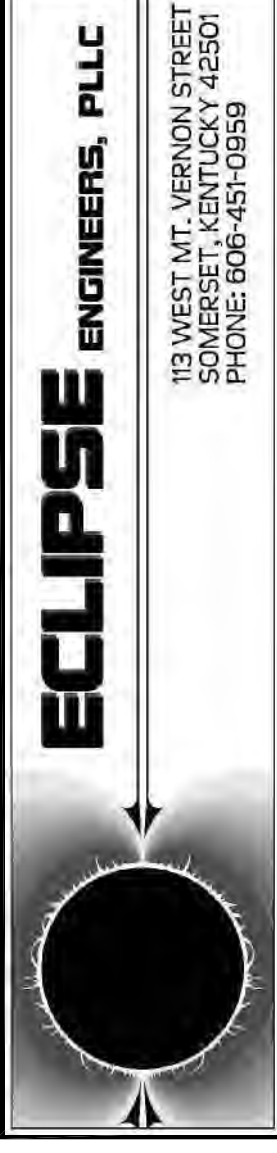
# PROFILE LINE STN 17 FM



# SANITARY SEWER PROFILE LINE STN 18 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 1-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



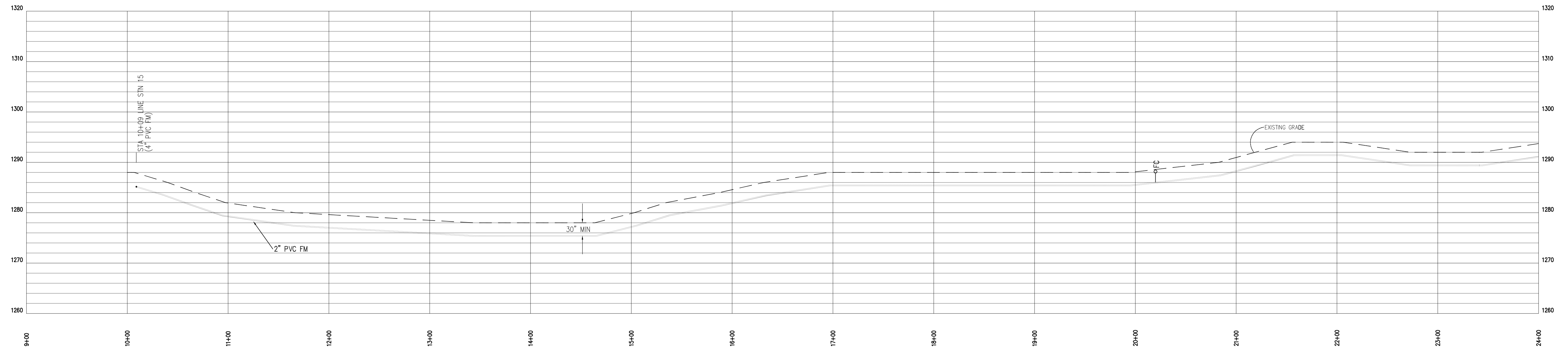
SCALE:	DESIGNED BY:	1"=50'	ARR	REVISION:	BY:	DATE:
DRAWN BY:	CHECKED BY:	WBD	ARR			
PROJECT NO:	DATE:	19016	AUGUST 2020			
CAD DWG ID:						

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 16  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

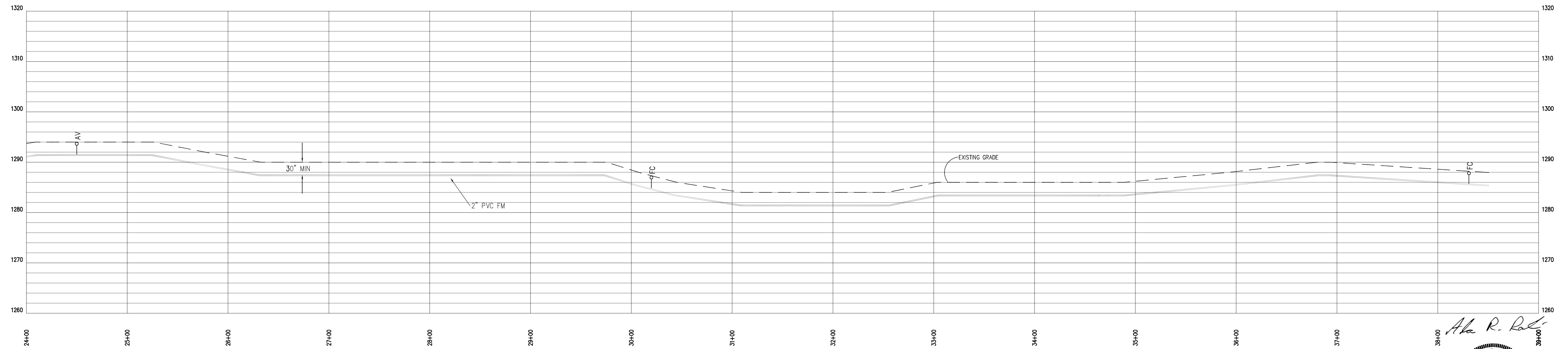
SHEET NUMBER:  
 66

# SANITARY SEWER PROFILE LINE STN 16 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

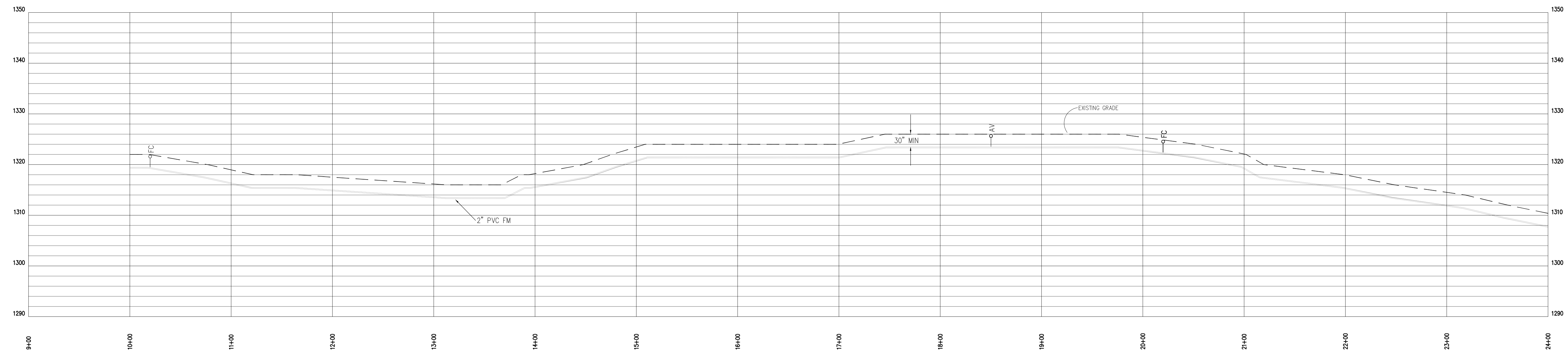
# SANITARY SEWER PROFILE LINE STN 16 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

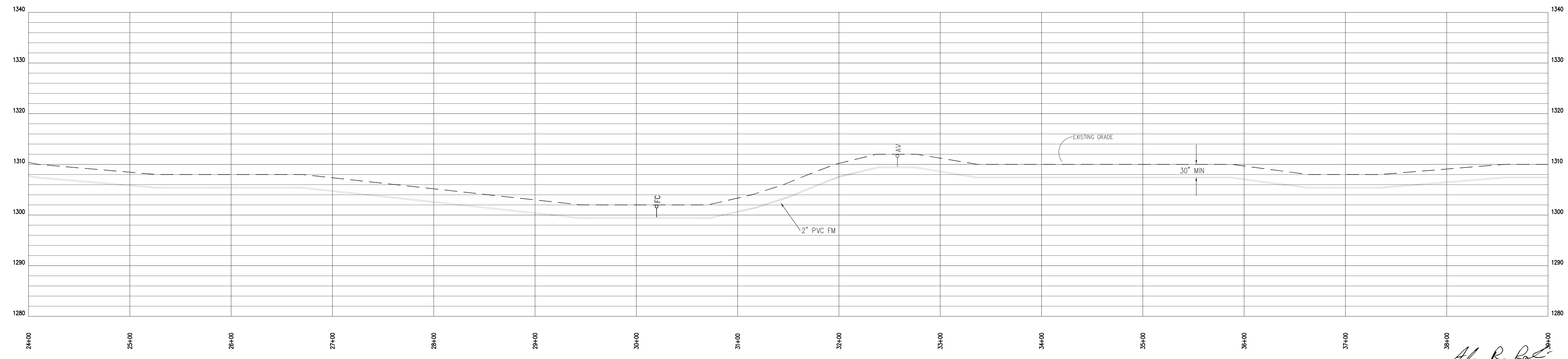


# SANITARY SEWER PROFILE LINE STN 19 FM

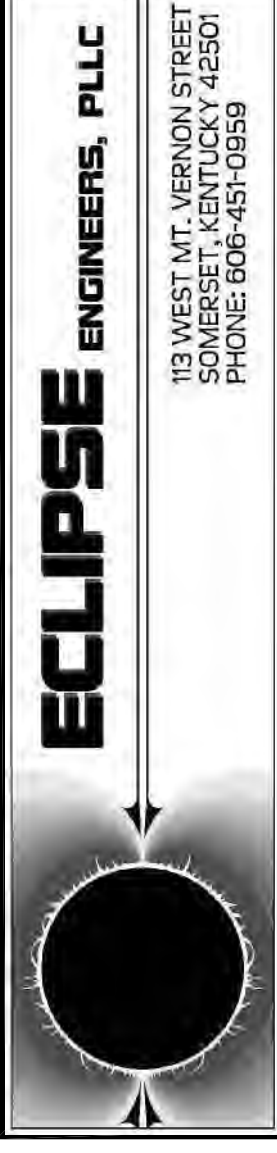


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 19 FM



*Alan R. Robinson*

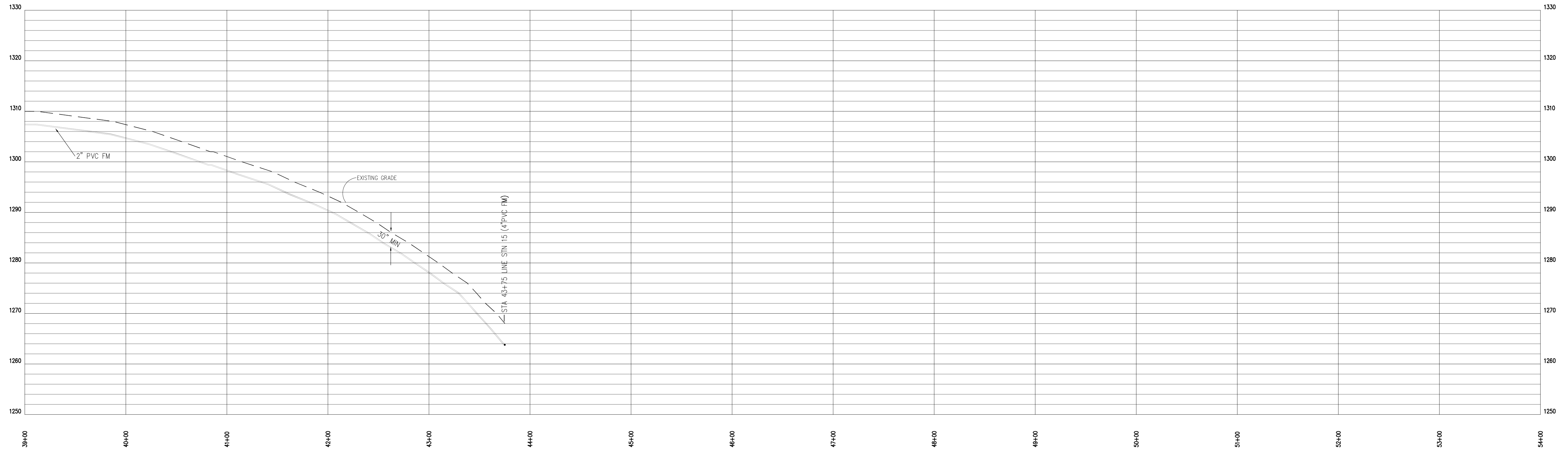


SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

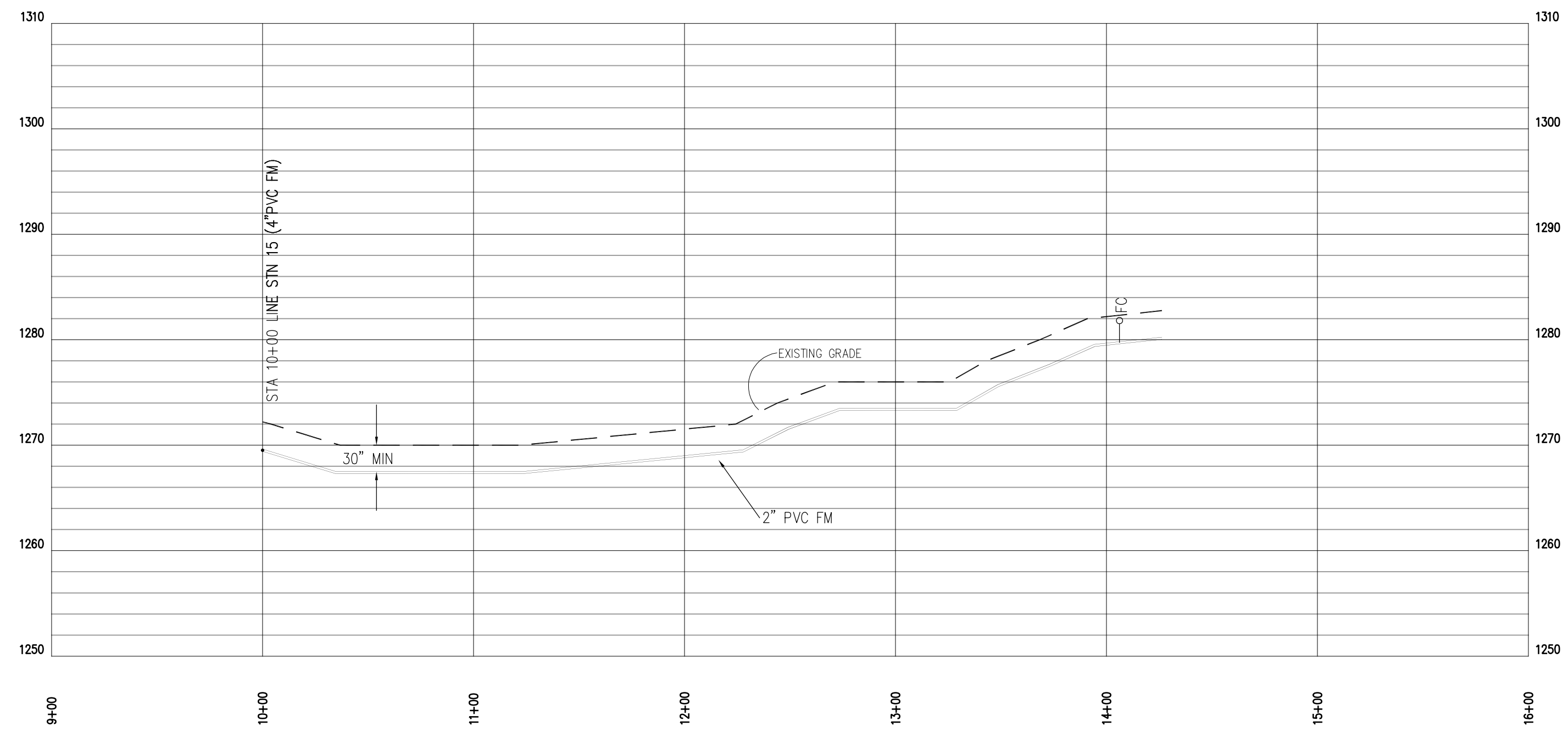
PROFILE LINE STN 19  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 19 FM

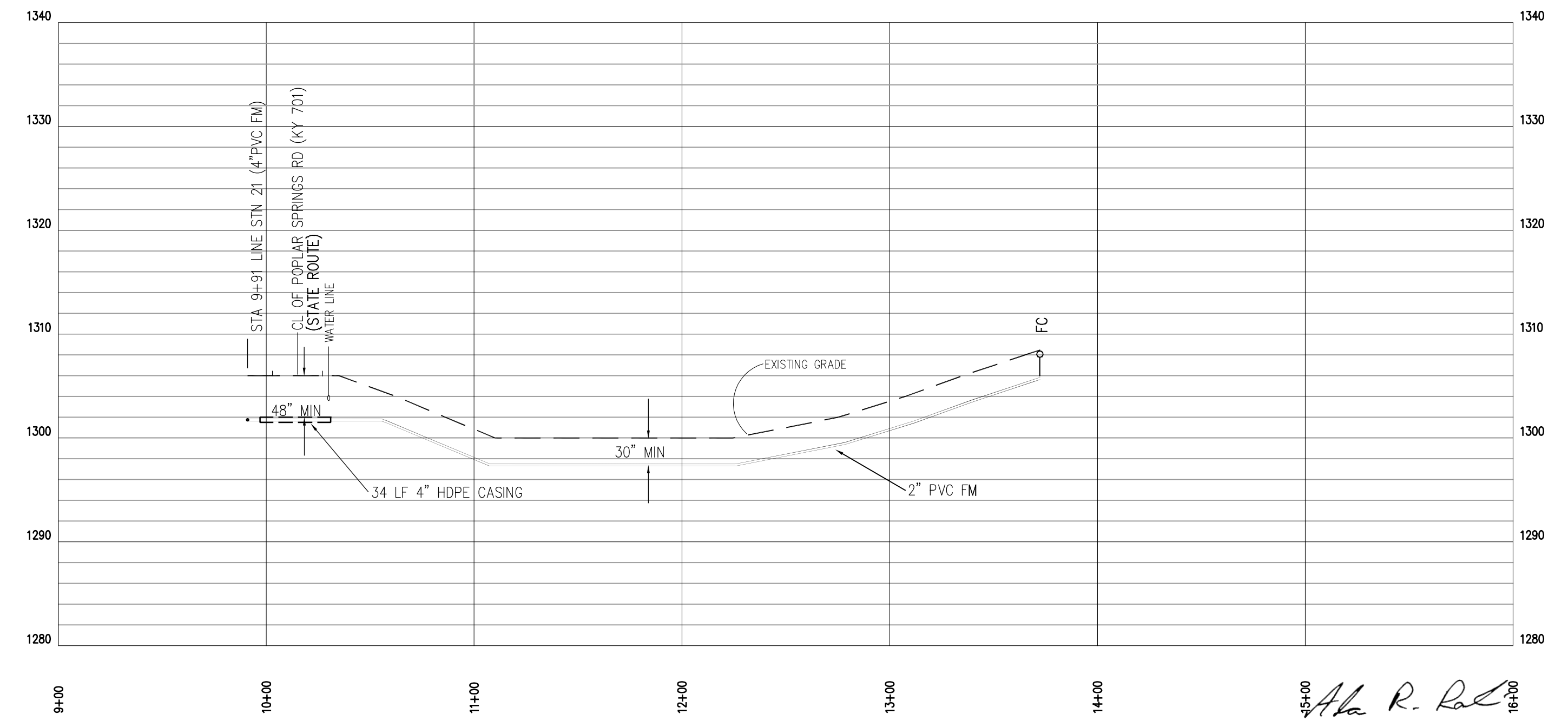


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

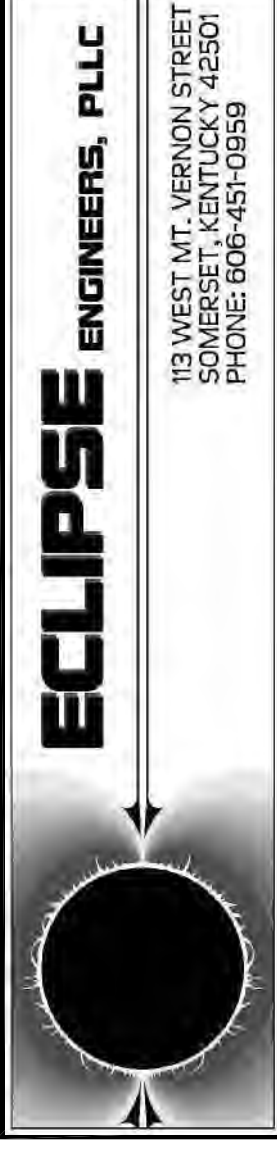
# SANITARY SEWER PROFILE LINE STN 22 FM



# SANITARY SEWER PROFILE LINE STN 24 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 PROFESSIONAL ENGINEER

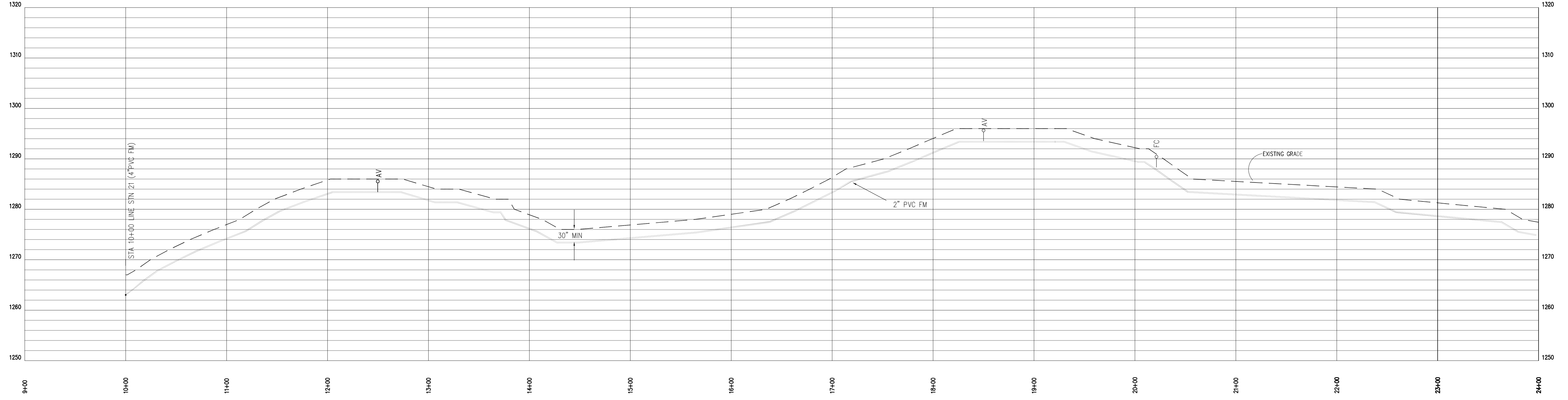


SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

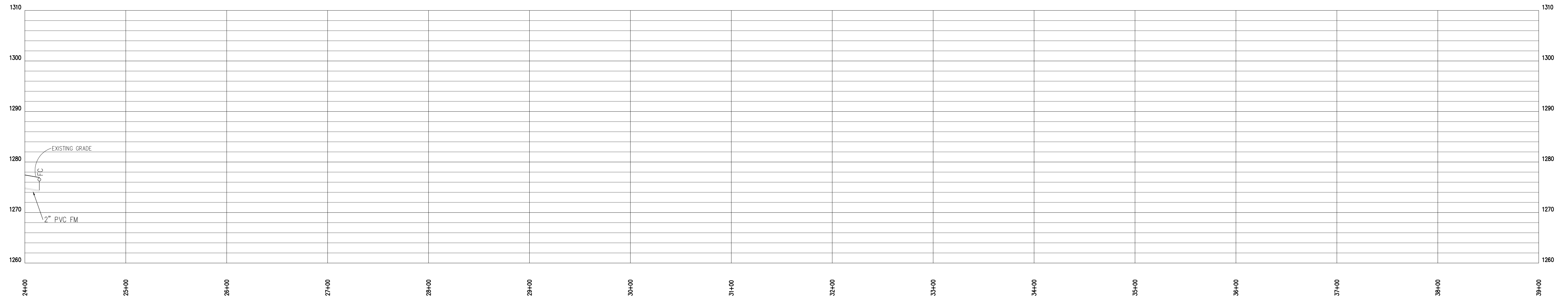
PROFILE LINE STN 19, STN 22, AND STN 24  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 20 FM

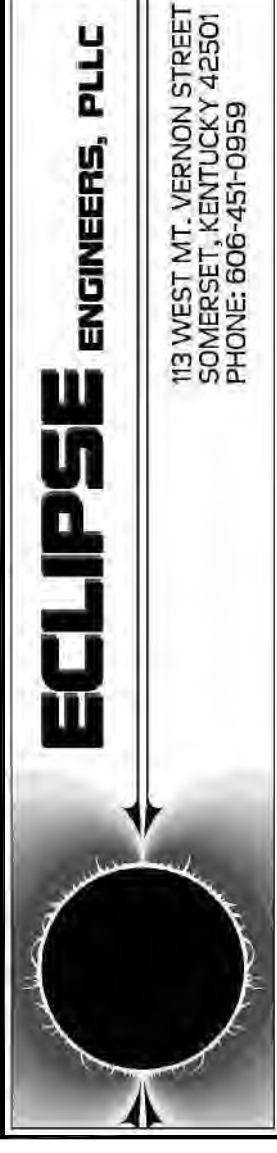


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 20 FM



*Alan R. Robinson*

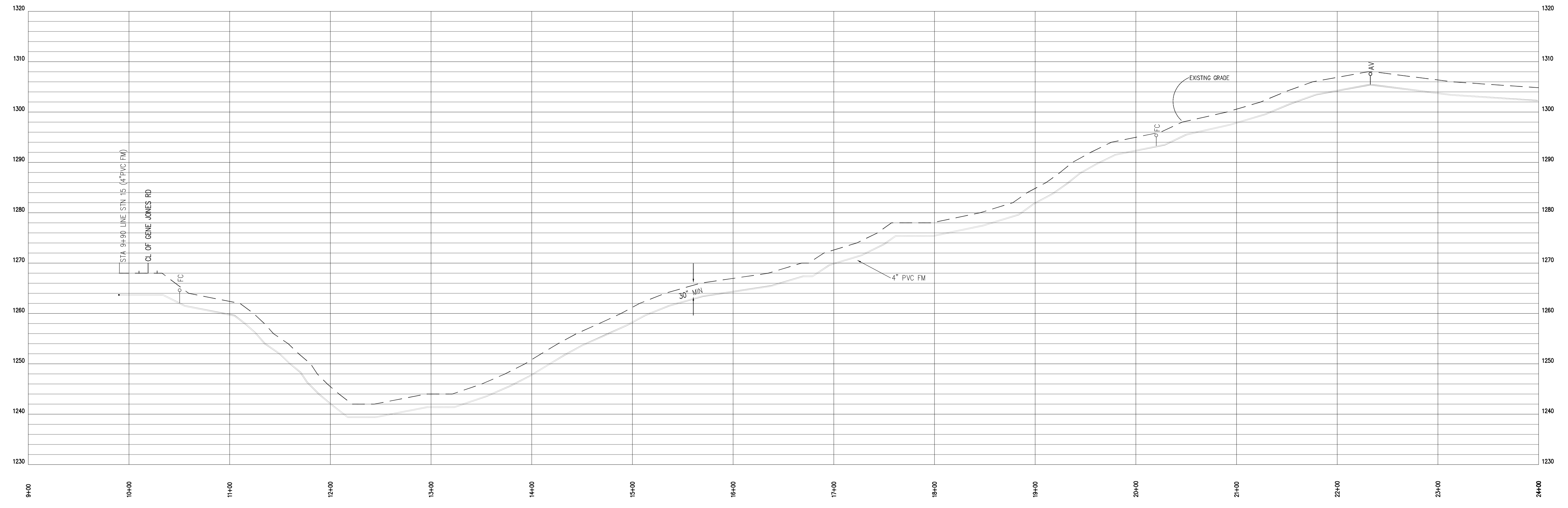


SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

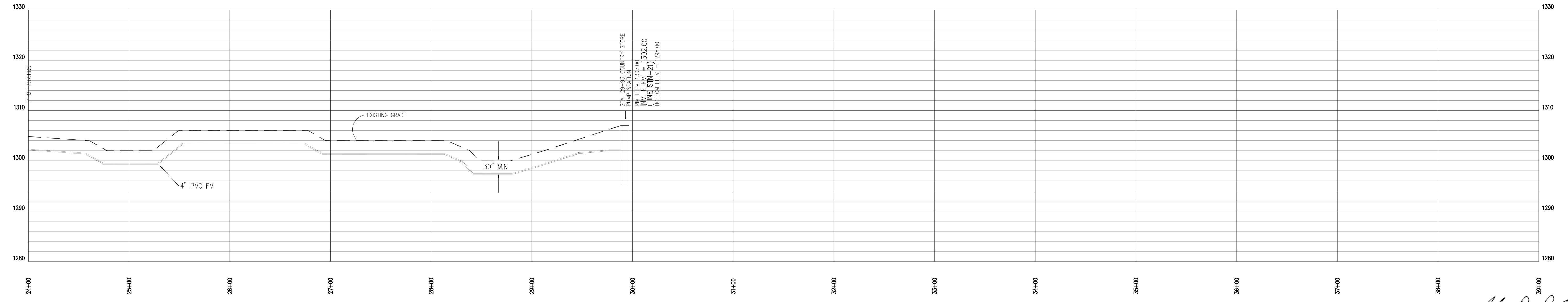
PROFILE LINE STN 20  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 21 FM

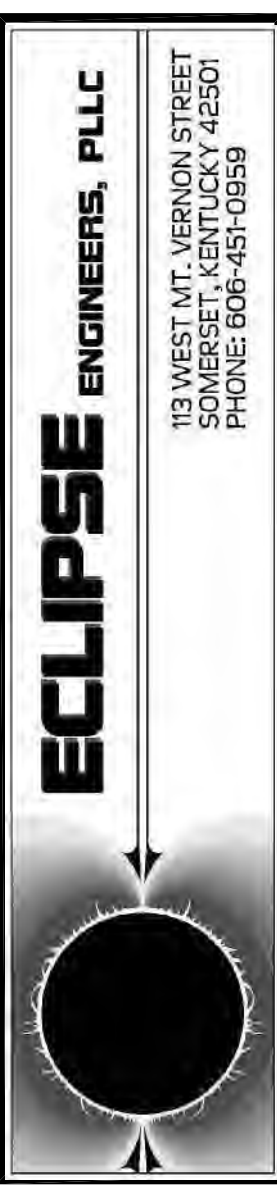


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 21 FM



*Alan R. Robison*  
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 1-16-20  
 ALAN R. ROBINSON  
 23,414  
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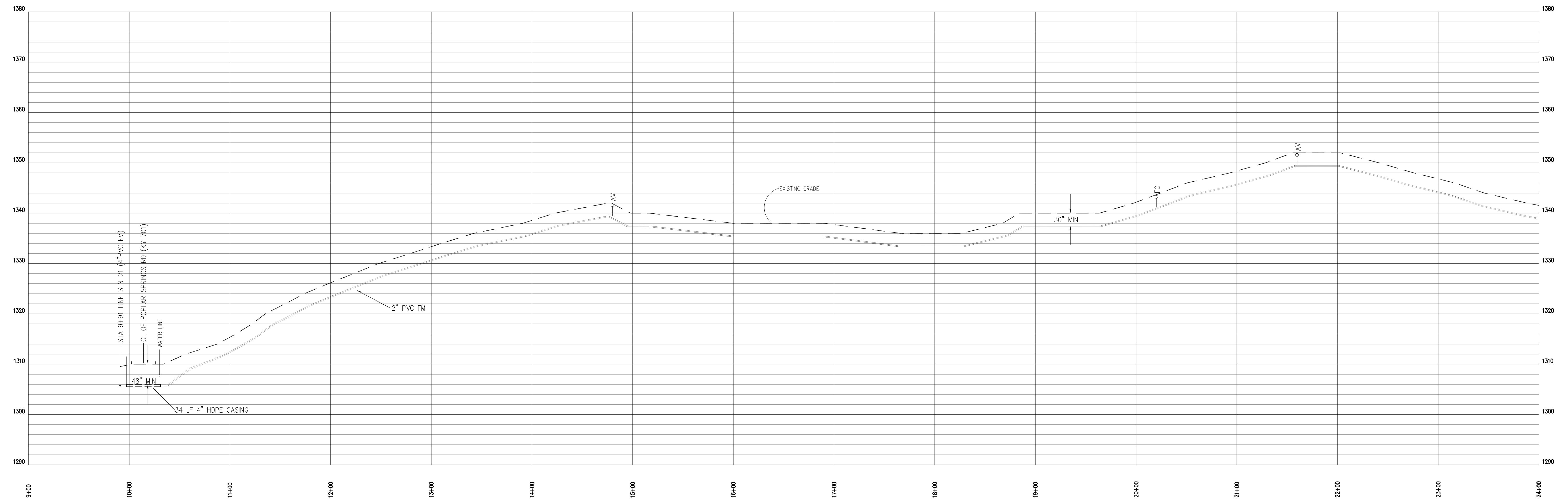


SCALE:	DESIGNED BY:	ARR	REVISION:	BY:	DATE:
1"=50'	DRAWN BY:	WBD			
	CHECKED BY:	ARR			
	PROJECT NO.:	19016			
	DATE:	AUGUST 2020			
	CAD DWG ID:	JOB 19016 SANITARY SEWER			

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

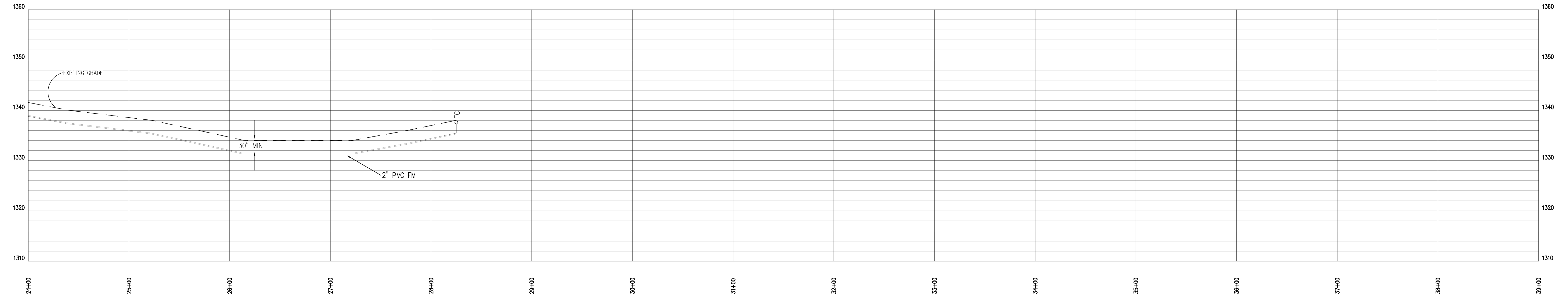
PROFILE LINE STN 21  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE STN 23 FM

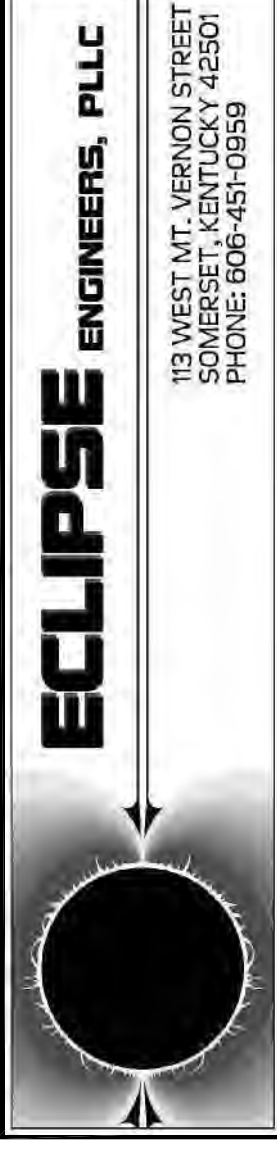


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE STN 23 FM



*Alan R. Robinson*

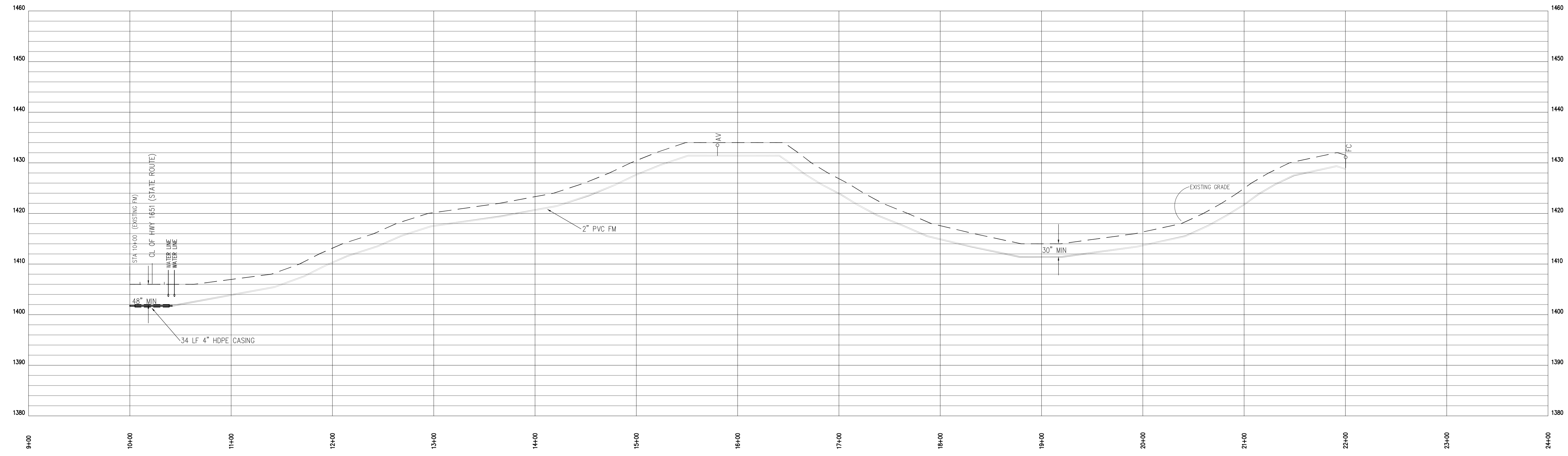


SCALE:	DESIGNED BY:	1"=50'	ARR	REVISION:	BY:	DATE:
DRAWN BY:	WBD	ARR	ARR	ARR	ARR	
CHECKED BY:	ARR	19016	AUGUST 2020	JOB NO: 19016		
PROJECT NO:	DATE:	CAD DWG ID:				

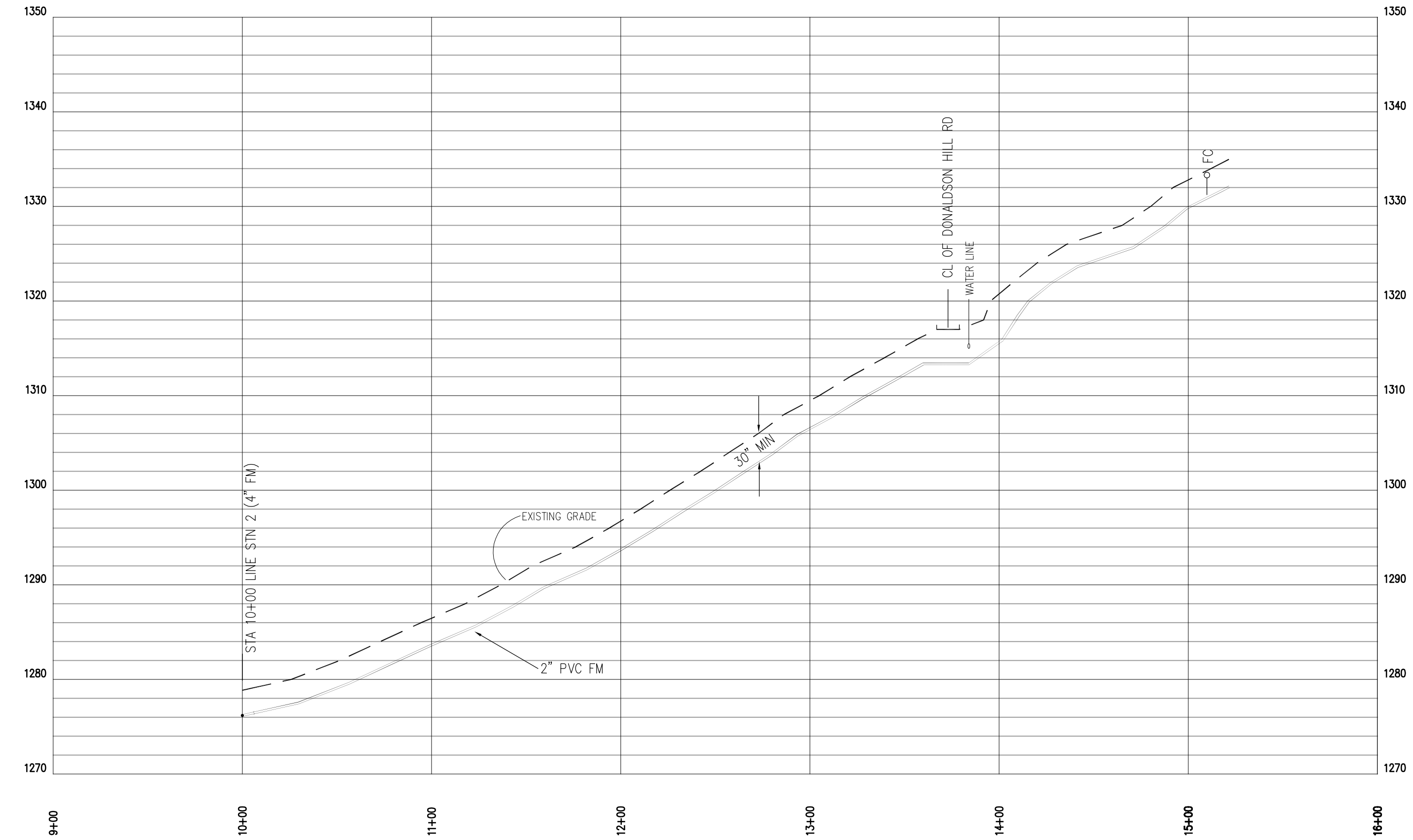
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE STN 23  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

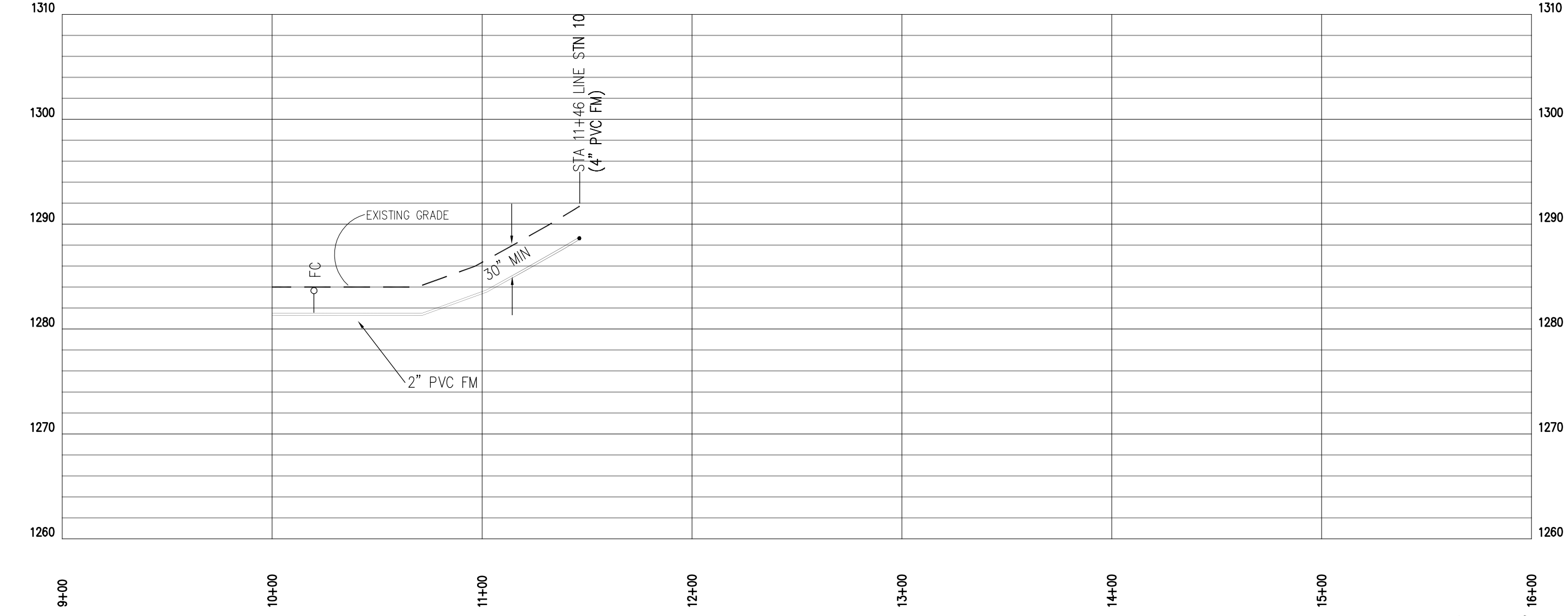
# SANITARY SEWER PROFILE LINE STN 25 FM



# SANITARY SEWER PROFILE LINE STN 26 FM

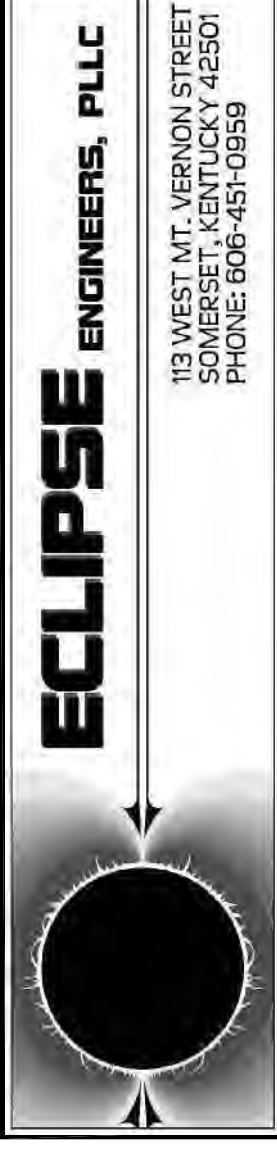


# SANITARY SEWER PROFILE LINE STN 27 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

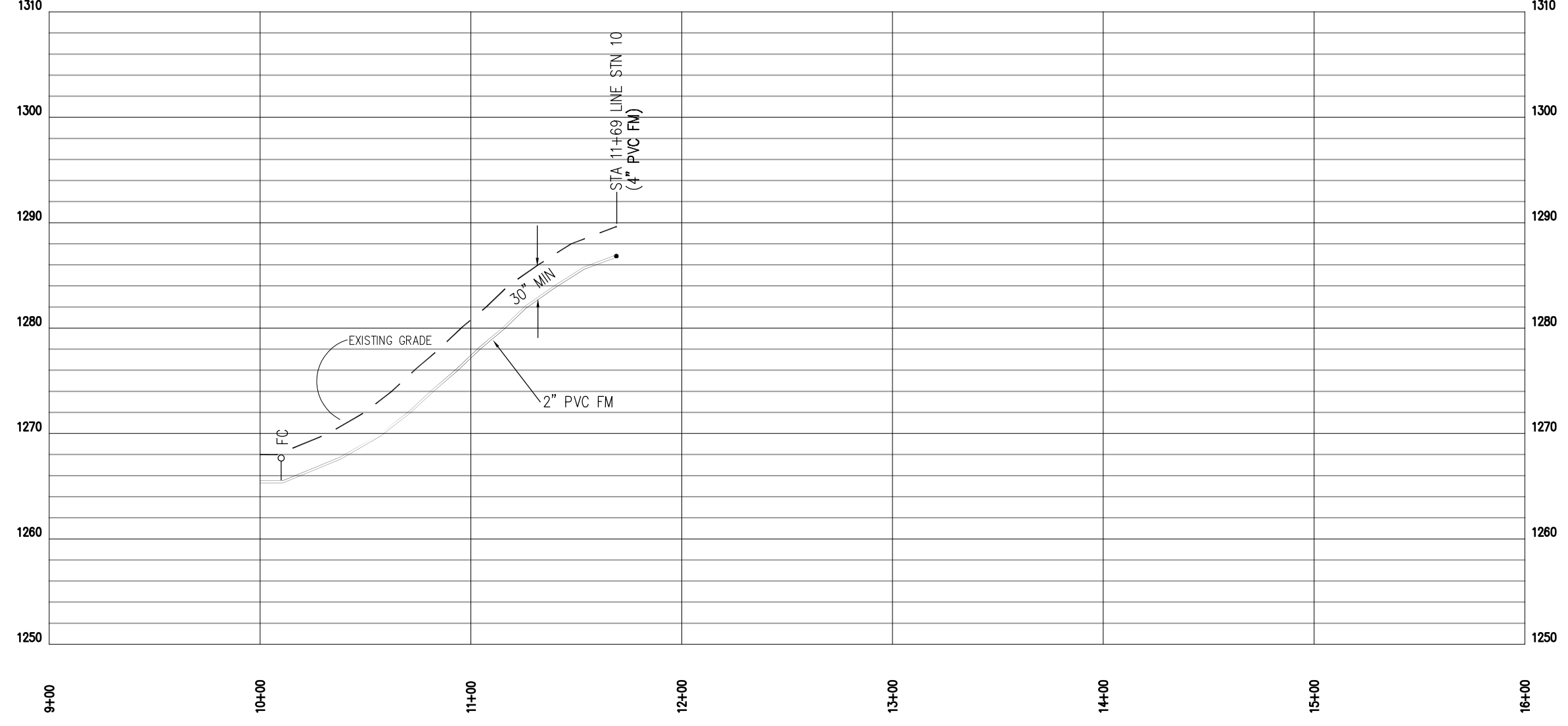


SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

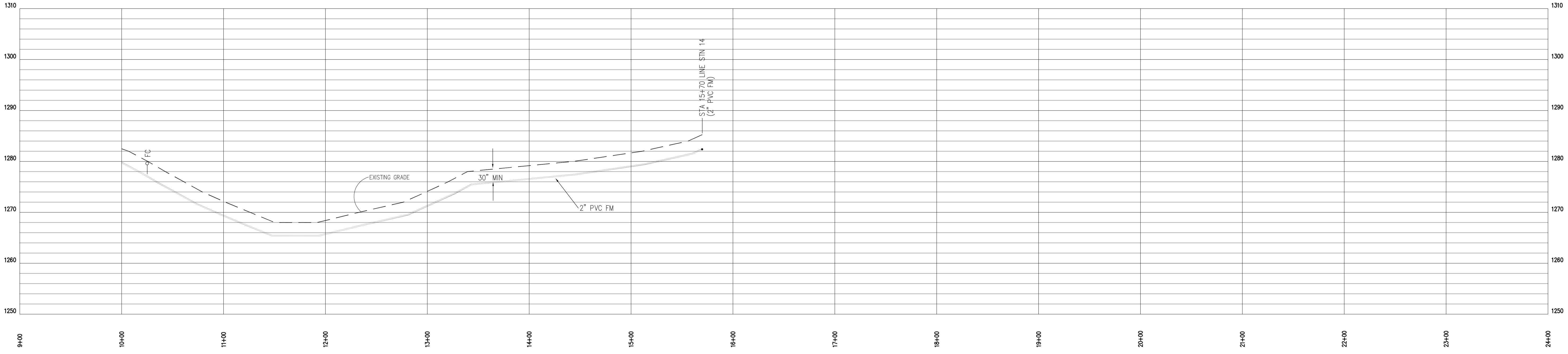
PROFILE LINE STN 25, STN 26, AND STN 27  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

### SANITARY SEWER PROFILE LINE STN 28 FM

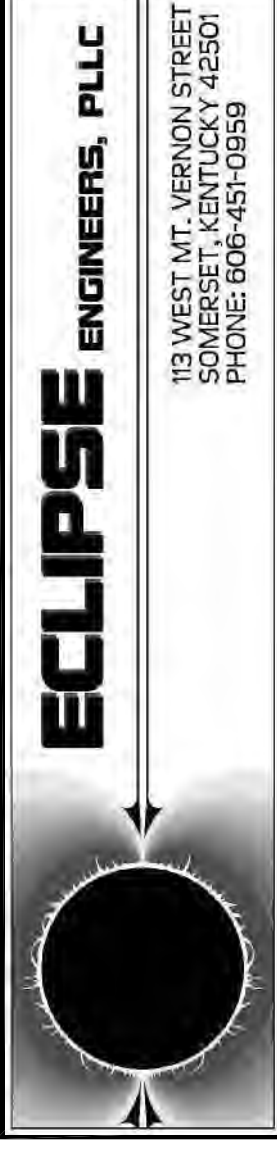


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

### SANITARY SEWER PROFILE LINE STN 29 FM



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 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

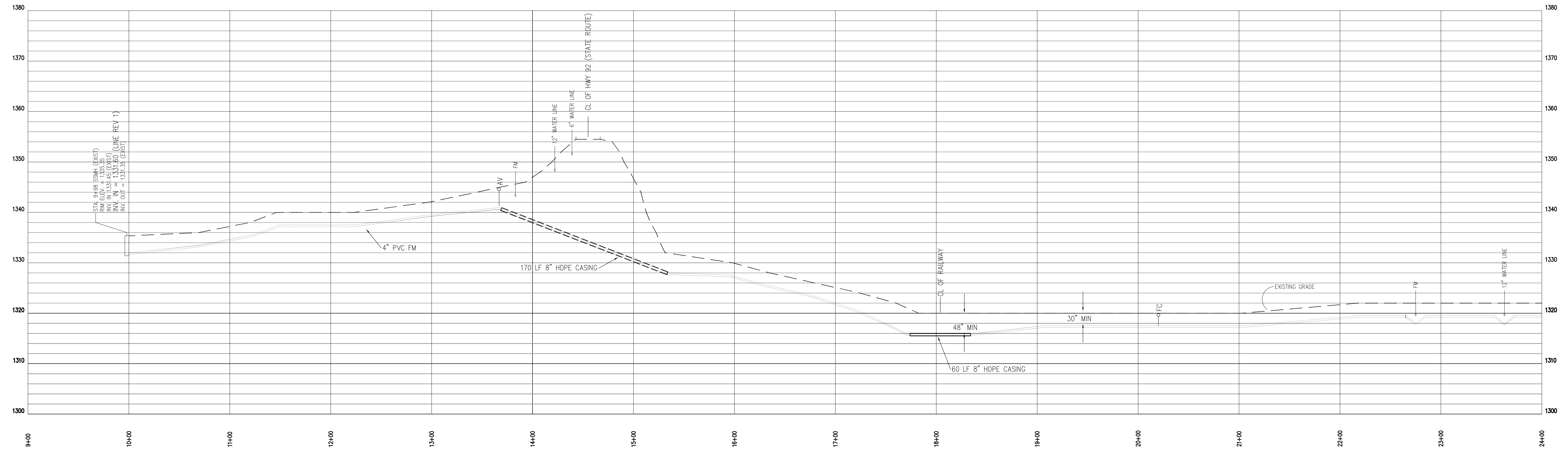


SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

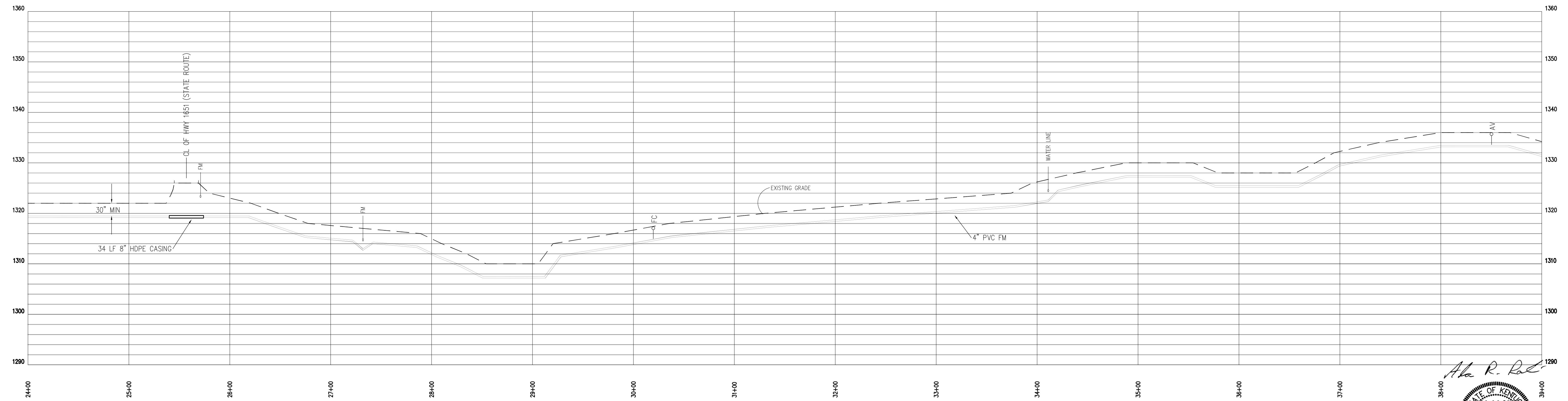
PROFILE LINE STN 28 AND STN 29  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 1 FM

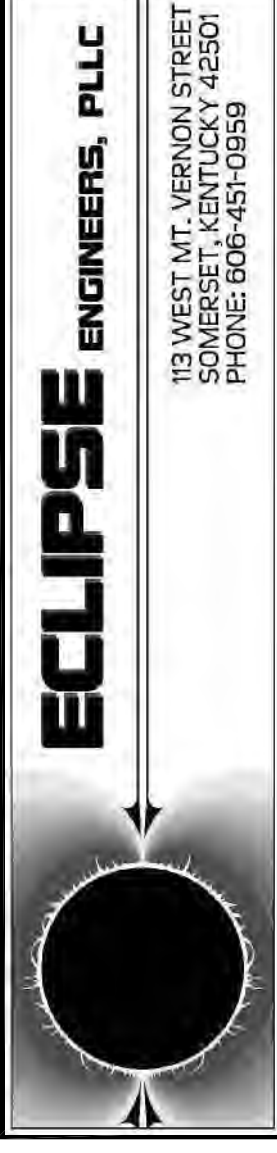


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 1 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



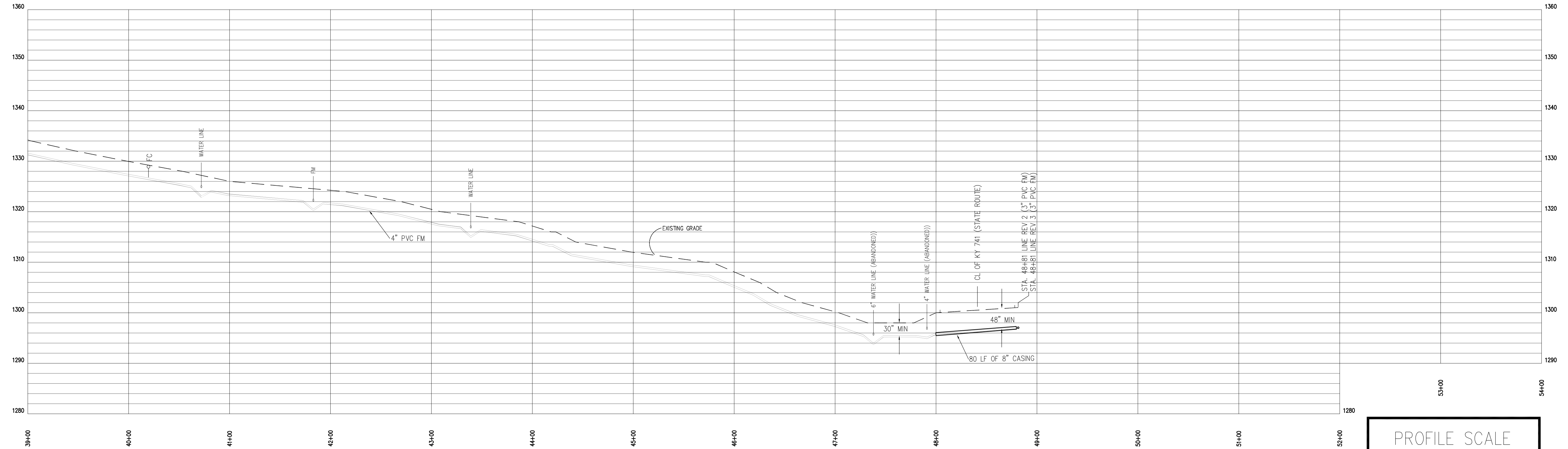
SCALE:	DESIGNED BY:	REVISION:	BY:	DATE:
1"=50'	ARR	WBD		
	DRAWN BY:	ARR		
	CHECKED BY:	ARR		
	PROJECT NO:	19016		
	DATE:	AUGUST 2020		
	CAD DWG ID:	JOB 19016 SANITARY SEWER		

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 1  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

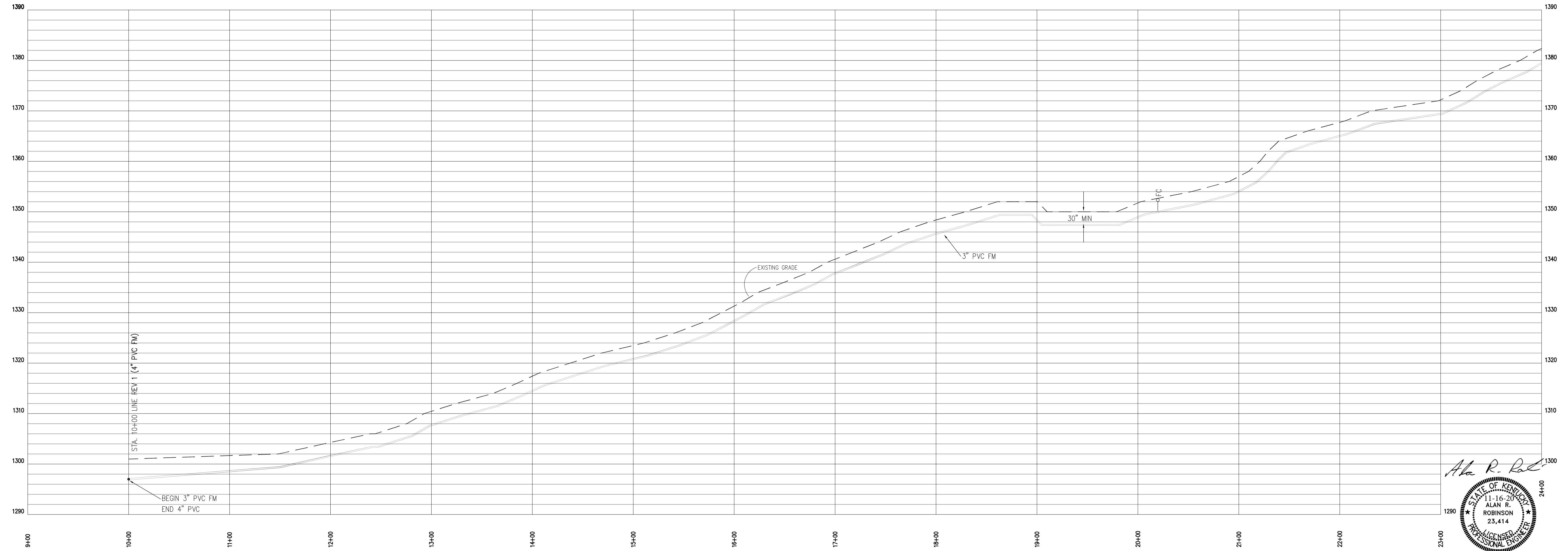


# SANITARY SEWER PROFILE LINE REV 1 FM

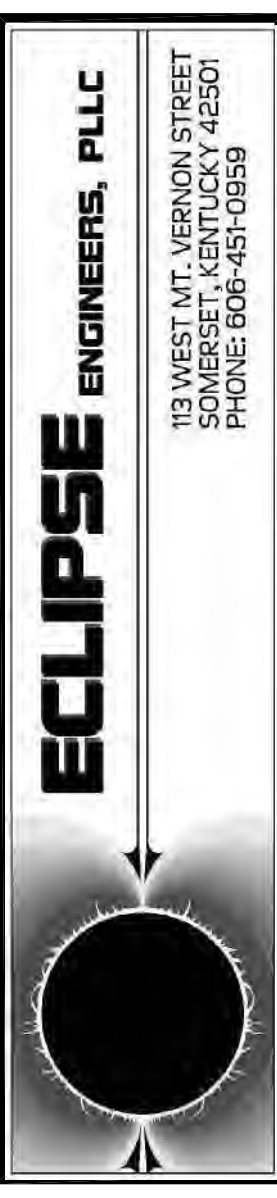


**PROFILE SCALE**  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 2 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



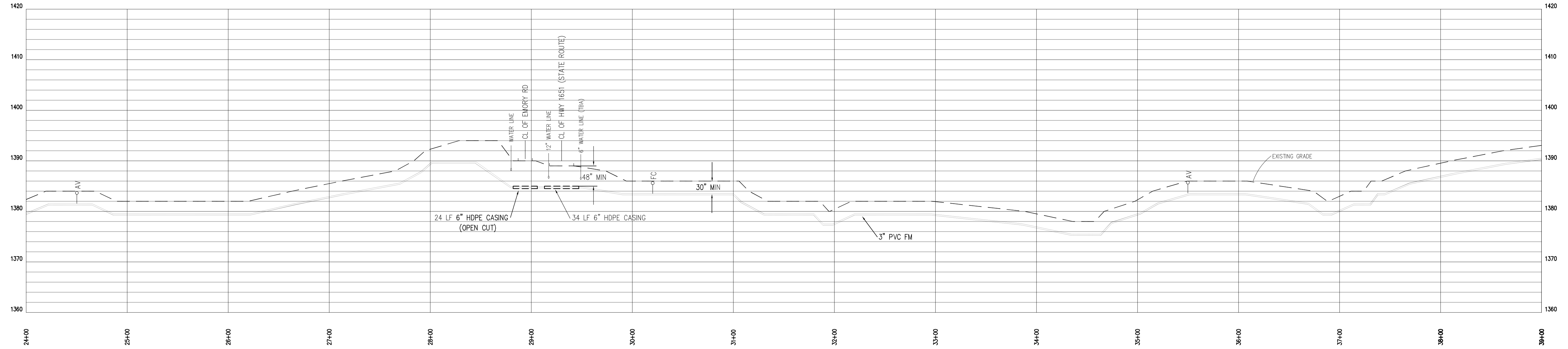
SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 1 & REV 2  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

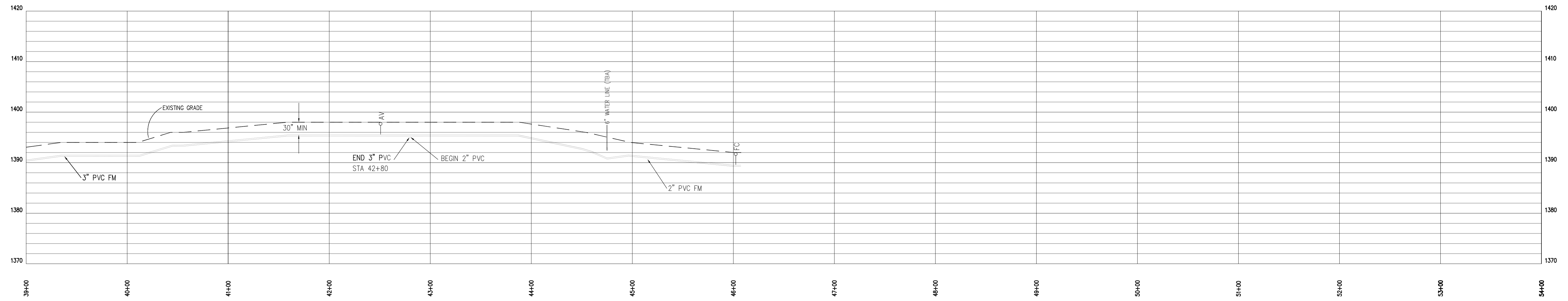
ECLIPSE ENGINEERS, PLLC  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0959

# SANITARY SEWER PROFILE LINE REV 2 FM

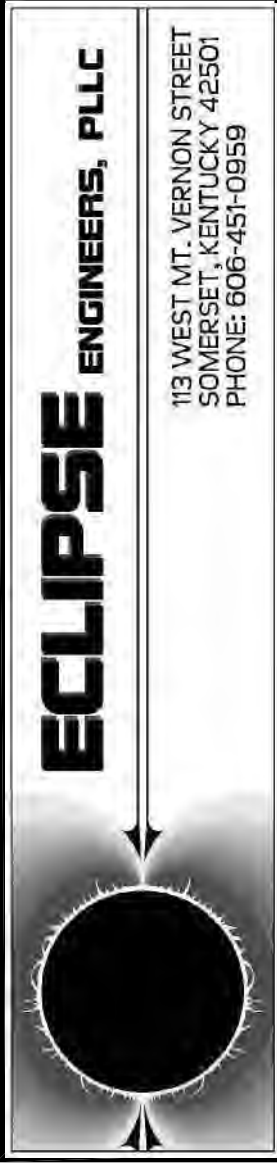


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 2 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 1-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

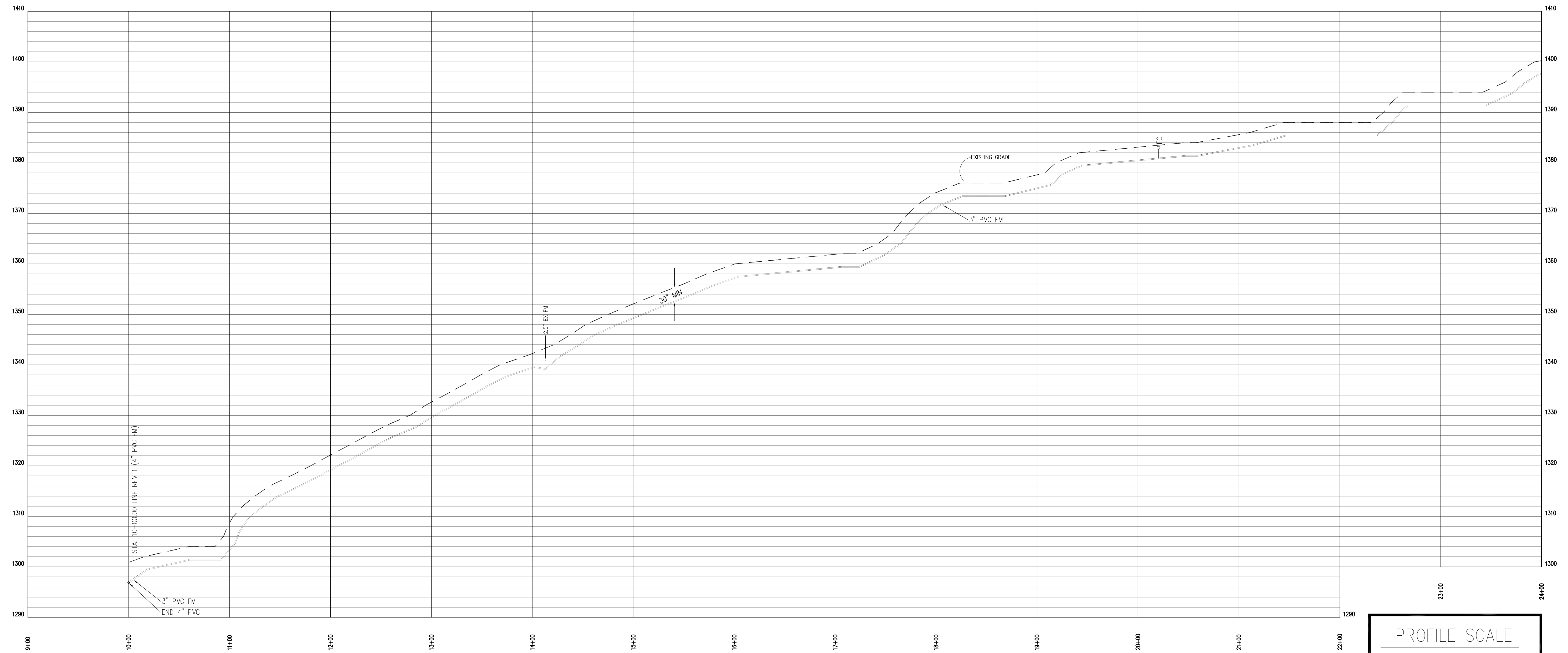


SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

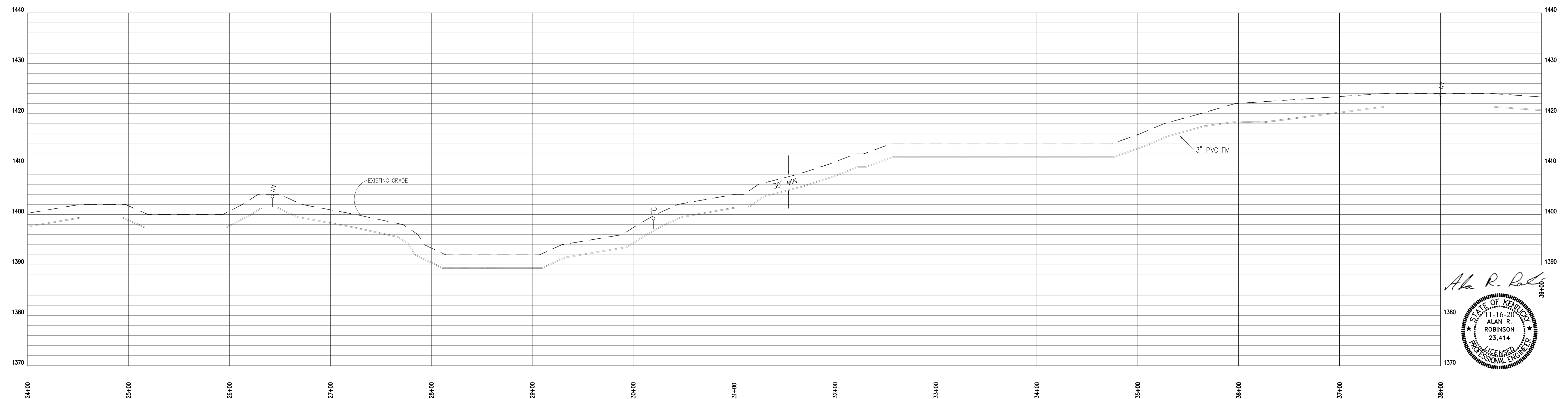
PROFILE LINE REV 2  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 3 FM

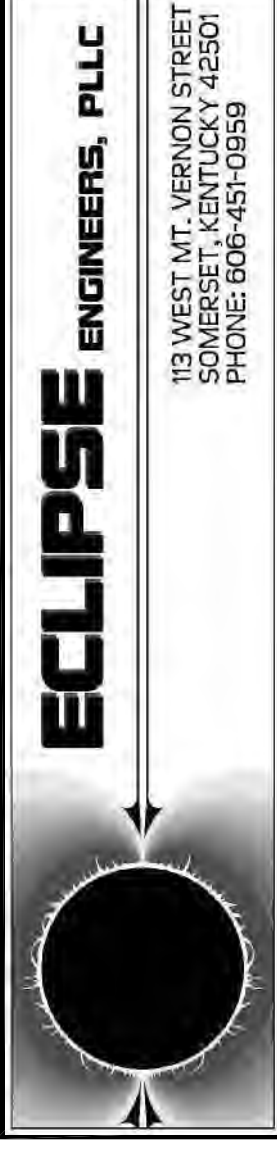


**PROFILE SCALE**  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 3 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



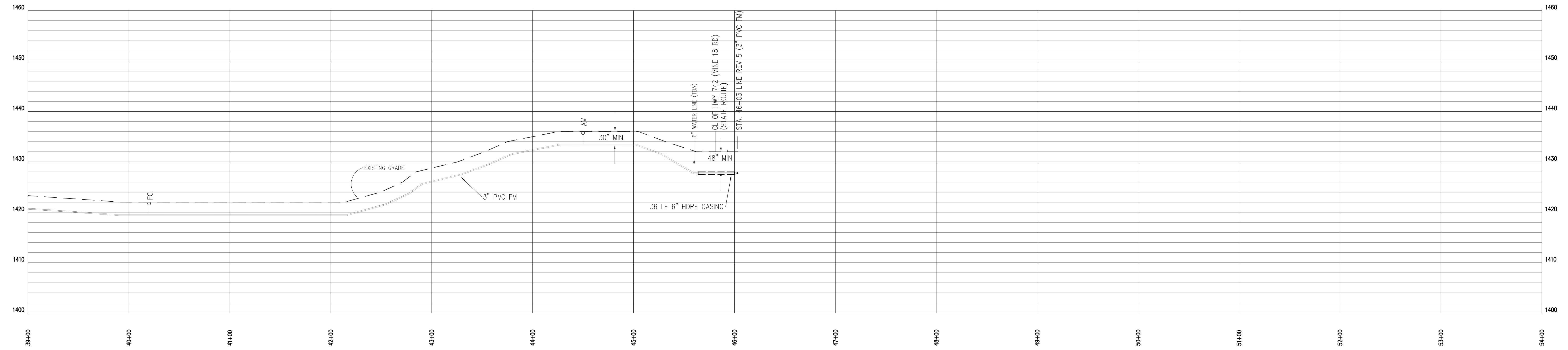
SCALE:	DESIGNED BY:	1"=50'	ARR
DRAWN BY:	WBD		
CHECKED BY:	ARR		
PROJECT NO.:	19016		
DATE:	AUGUST 2020		
CAD DWG ID:	JOB 19016 SANITARY SEWER		
REVISION:	BY:	DATE:	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 3  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

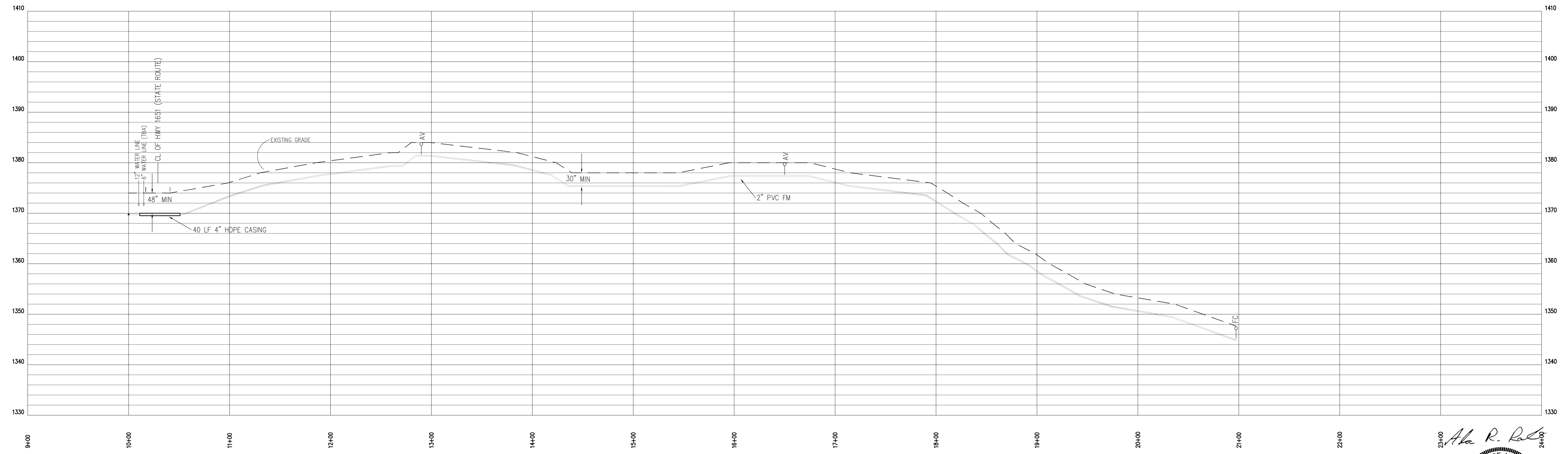
SHEET NUMBER:  
**77**

# SANITARY SEWER PROFILE LINE REV 3 FM

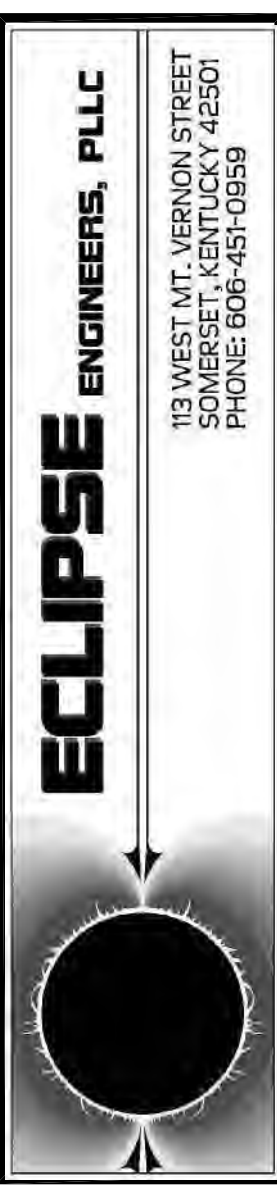


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 4 FM



*Alan R. Robison*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

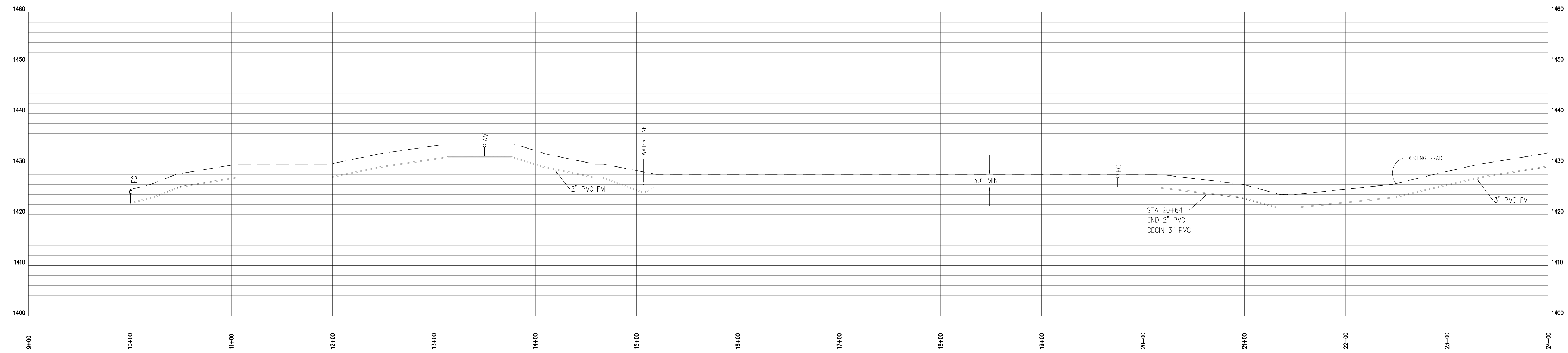


SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

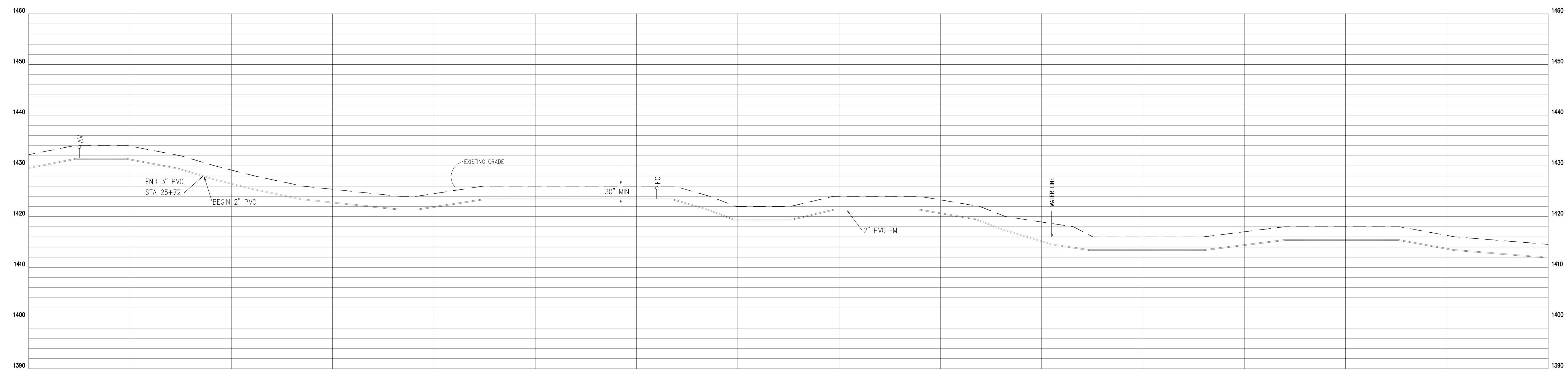
PROFILE LINE REV 3 AND REV 4  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

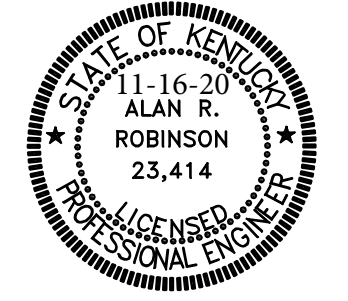
# SANITARY SEWER PROFILE LINE REV 5 FM

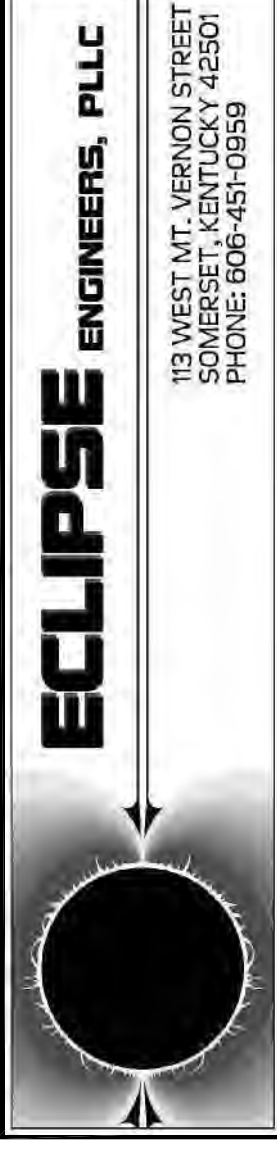


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 5 FM



*Alan R. Robinson*  




SCALE:	DESIGNED BY:	1"=50'	ARR	DATE:
DRAWN BY:	CHECKED BY:	WBD	ARR	BY:
PROJECT NO.:	DATE:	19016	AUGUST 2020	REVISION:
CAD DWG ID:	JOB NO.:	19016	19016	ARR

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

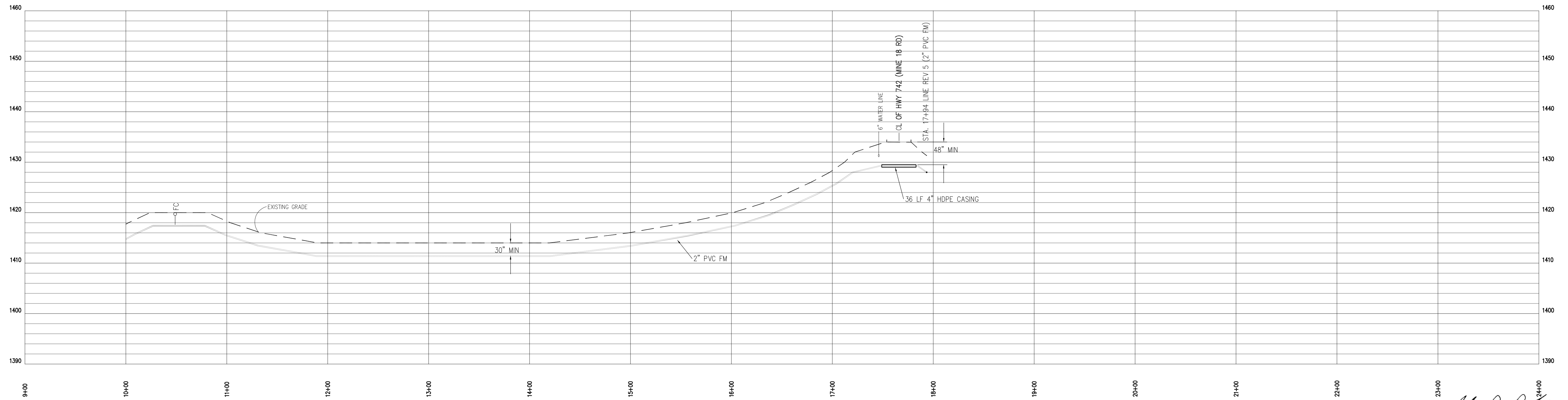
PROFILE LINE REV 5  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 5 FM

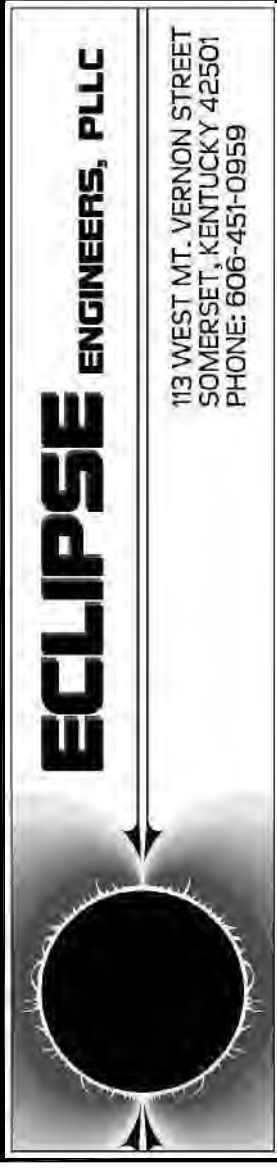


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 6 FM



*Alan R. Robinson*  
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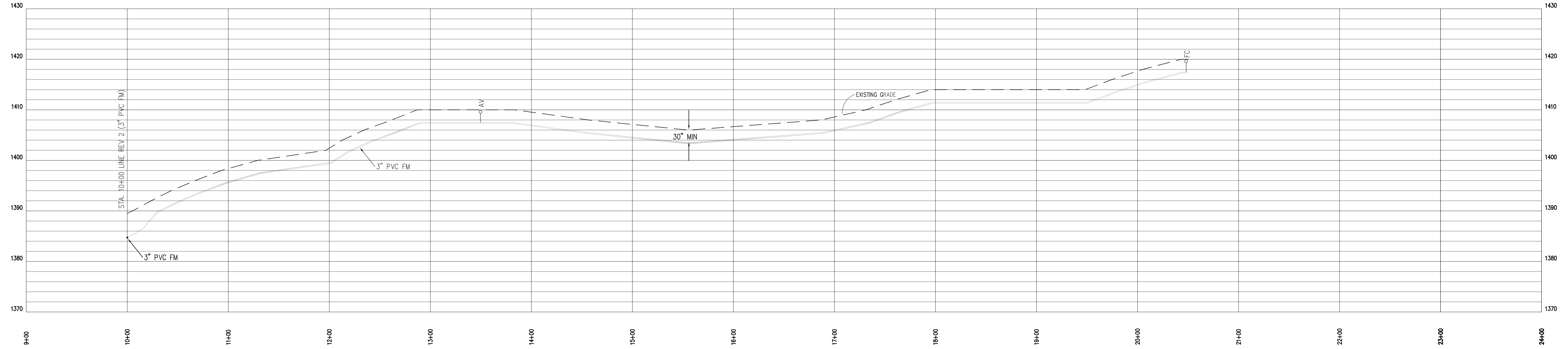


SCALE:	DESIGNED BY:	REVISION:	BY:	DATE:
1"=50'	ARR			
DRAWN BY:	WBD			
CHECKED BY:	ARR			
PROJECT NO.:	19016			
DATE:	AUGUST 2020			
CAD DWG ID:	JOB 19016 SANITARY SEWER			

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

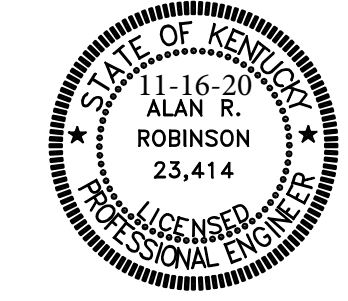
PROFILE LINE REV 5 AND REV 6  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 7 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

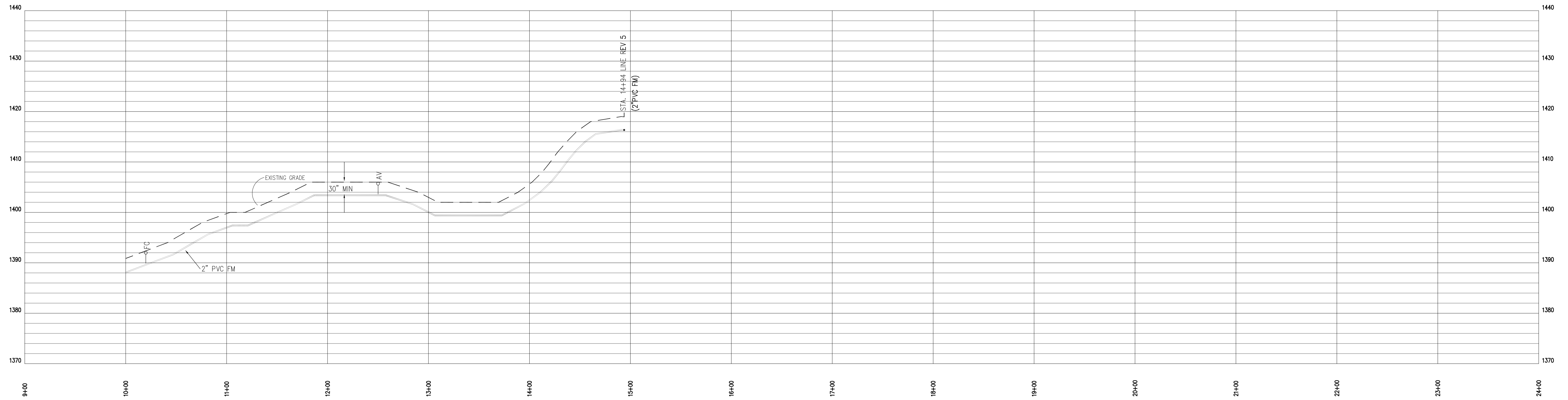
*Alan R. Robinson*



PROFILE LINE REV 7 SANITARY SEWER COLLECTION SYSTEM EXPANSION PHASE ONE - CONTRACT No. 39		MCCRERY COUNTY WATER DISTRICT 456 N. HWY 27 WHITLEY CITY, KENTUCKY 42653		SCALE: 1"=50' DESIGNED BY: ARR DRAWN BY: WBD CHECKED BY: ARR PROJECT NO: 19016 DATE: AUGUST 2020 CAD DWG ID: JOB 19016 SANITARY SEWER		REVISION: BY: DATE:	
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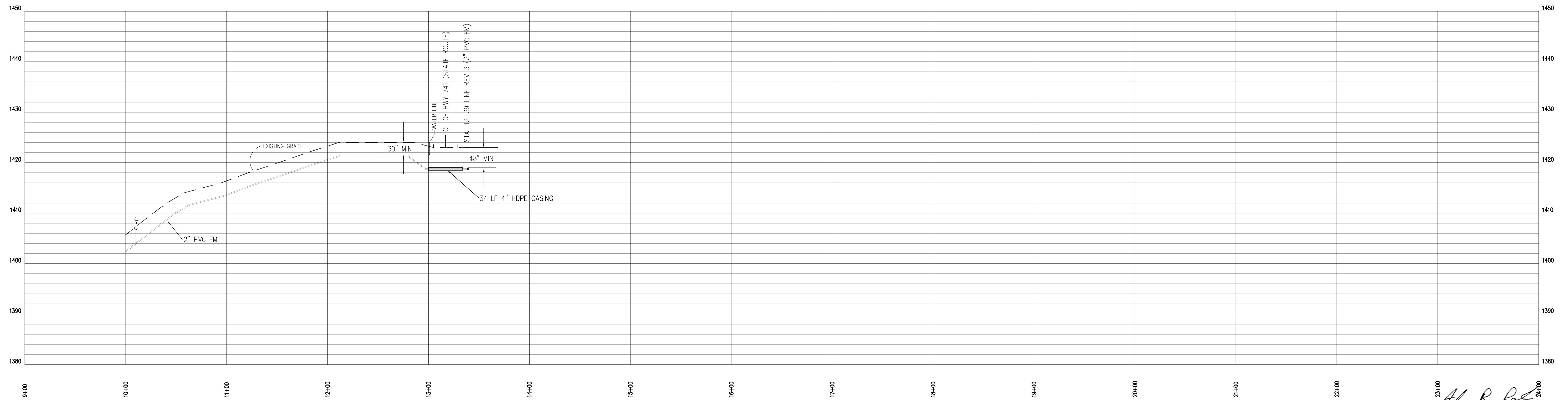
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

# SANITARY SEWER PROFILE LINE REV 8 FM

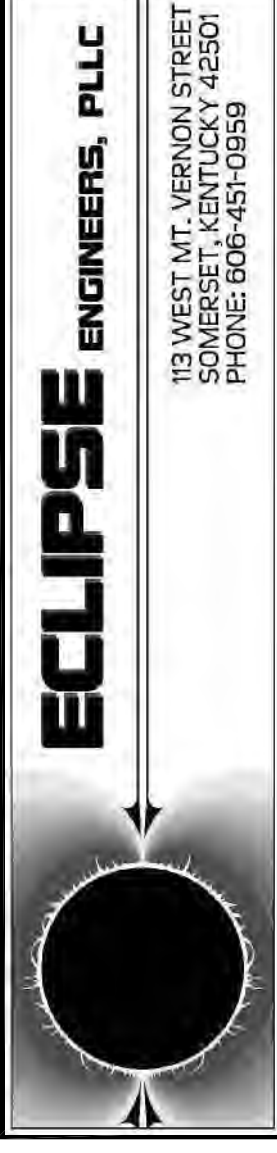


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 9 FM



25+00  
*Alan R. Robinson*  
  
 24+00



**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

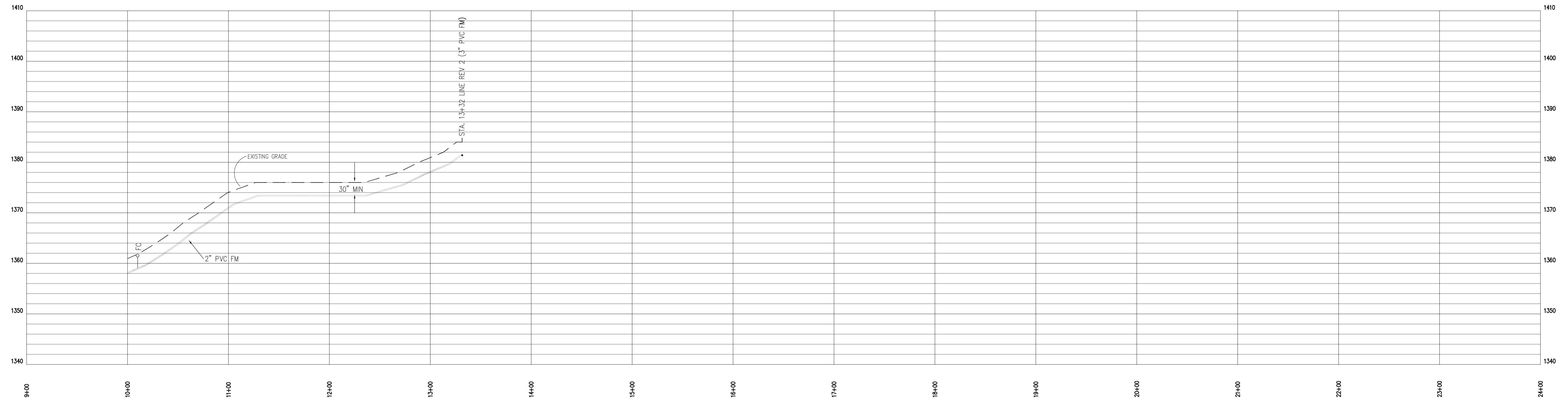
SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	BY: DATE:

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 8 AND REV 9  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39



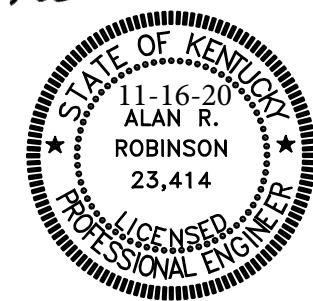
# SANITARY SEWER PROFILE LINE REV 10 FM

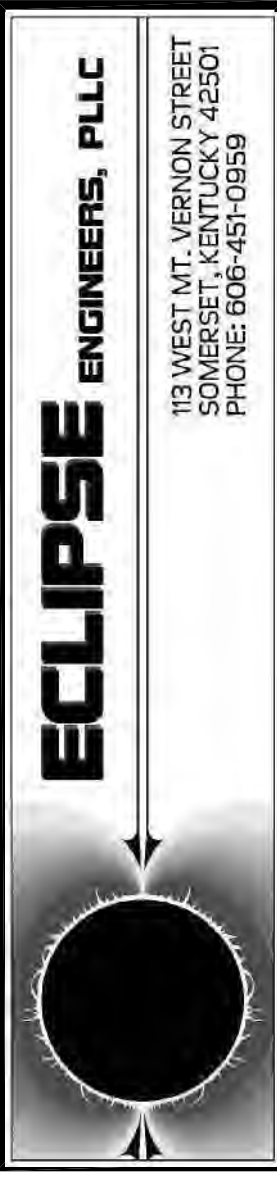


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 11 FM



23+00  
 Alan R. Robinson  
 24+00  




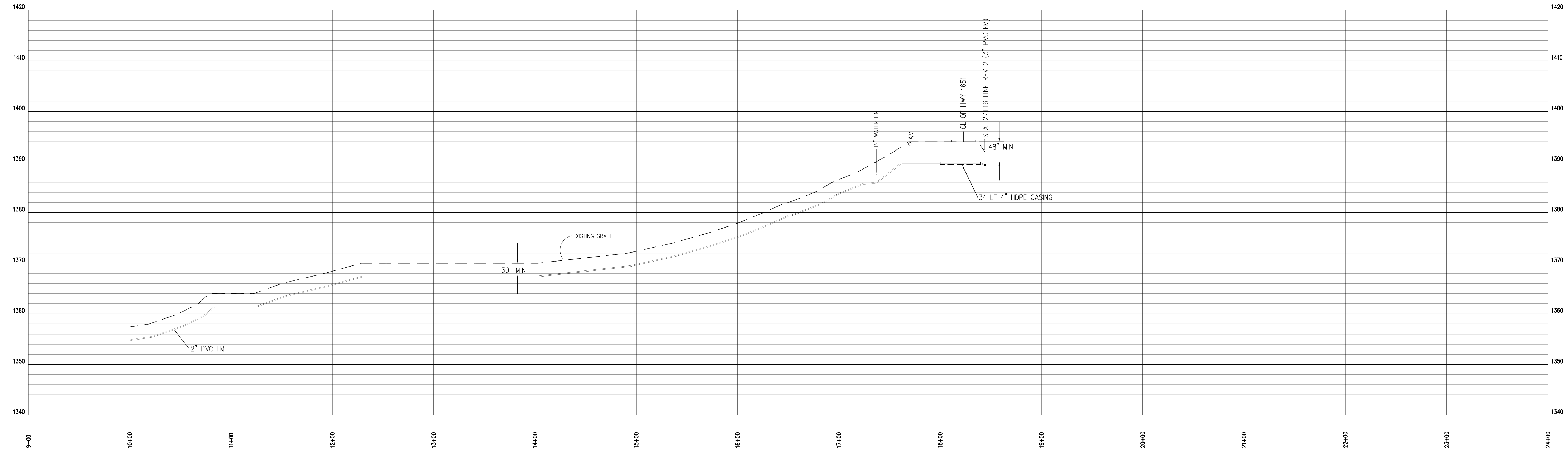
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

SCALE:	DESIGNED BY:	1"=50'	ARR	DATE:
DRAWN BY:	WBD	BY:		
CHECKED BY:	ARR	PROJECT NO.:	19016	
DATE:	AUGUST 2020	CAD DWG ID:		

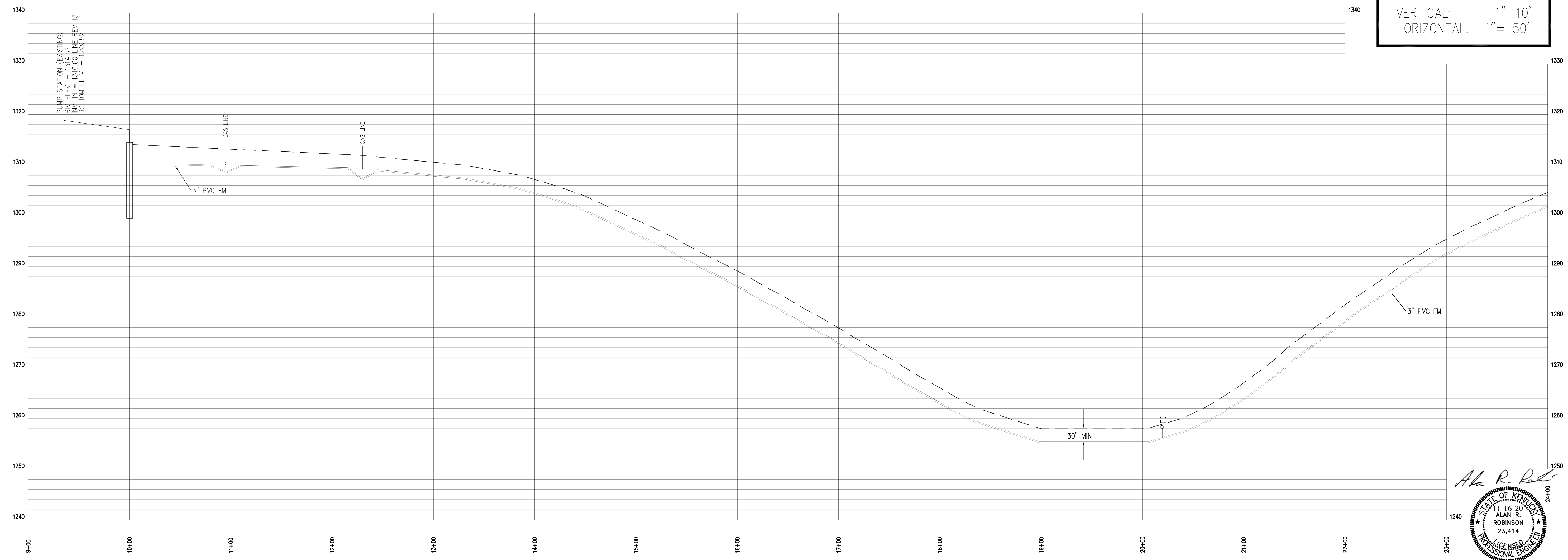
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 10 AND REV 11  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 12 FM

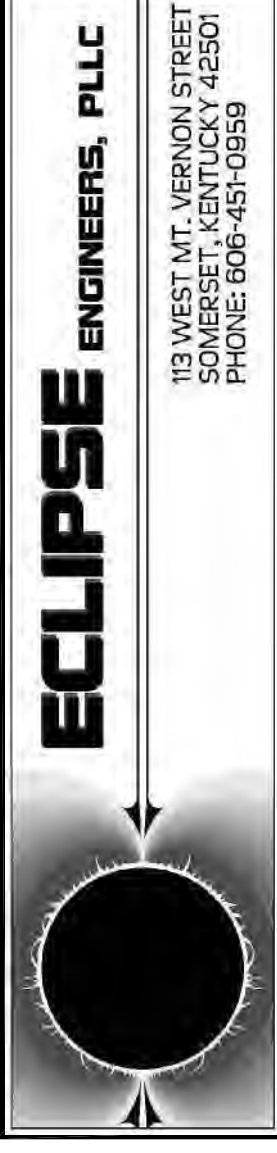


# SANITARY SEWER PROFILE LINE REV 13 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



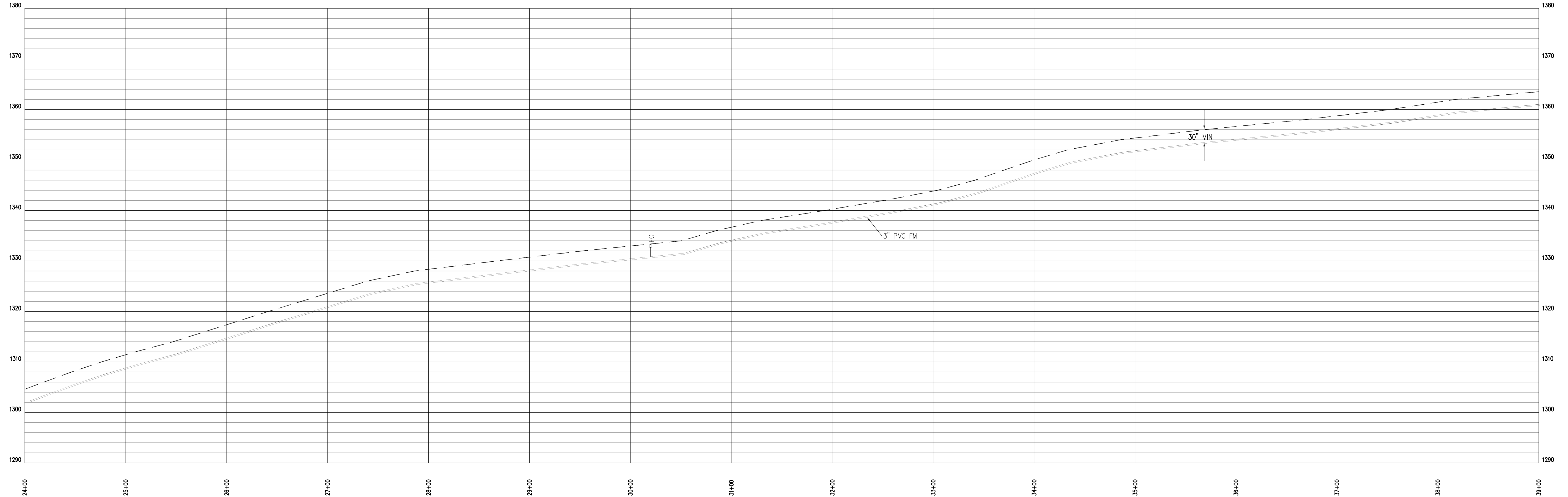
SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

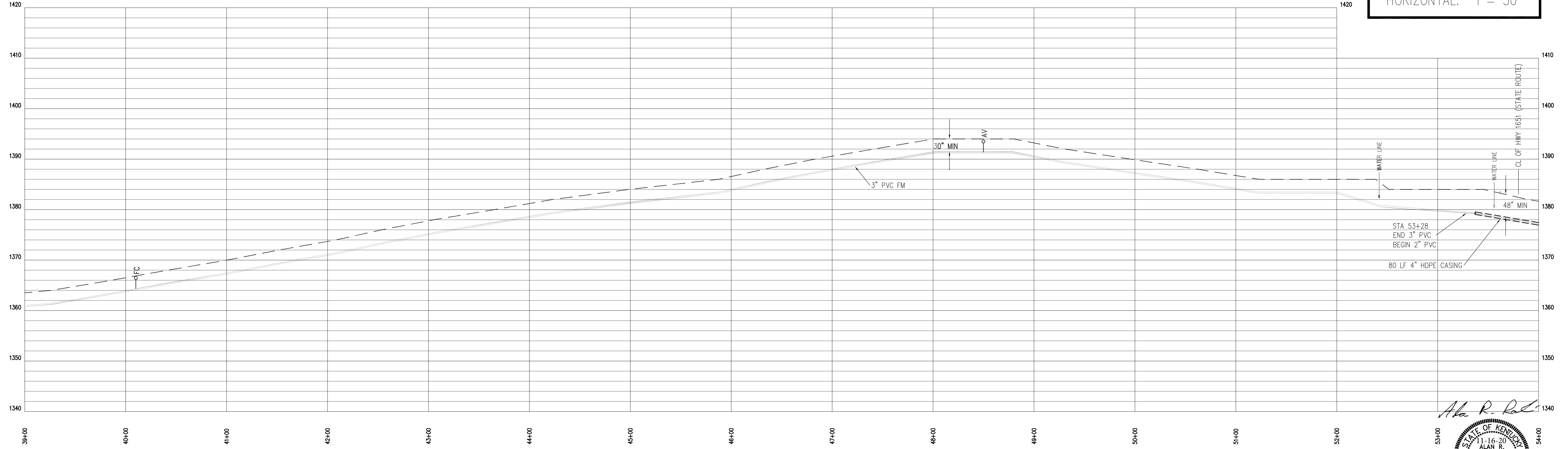
PROFILE LINE REV 12 AND REV 13  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

# SANITARY SEWER PROFILE LINE REV 13 FM

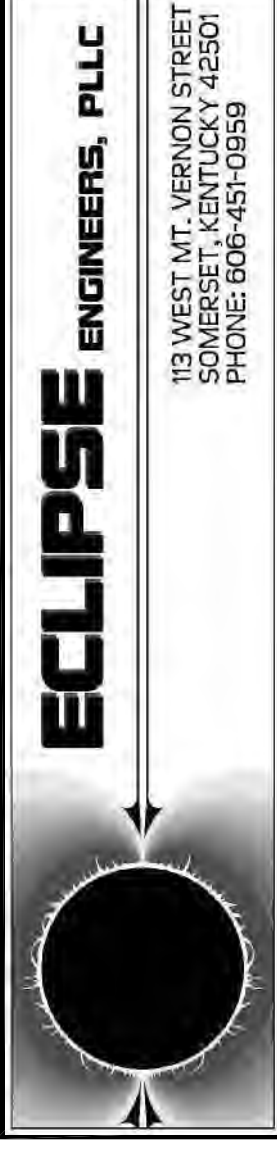


# SANITARY SEWER PROFILE LINE REV 13 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-21  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



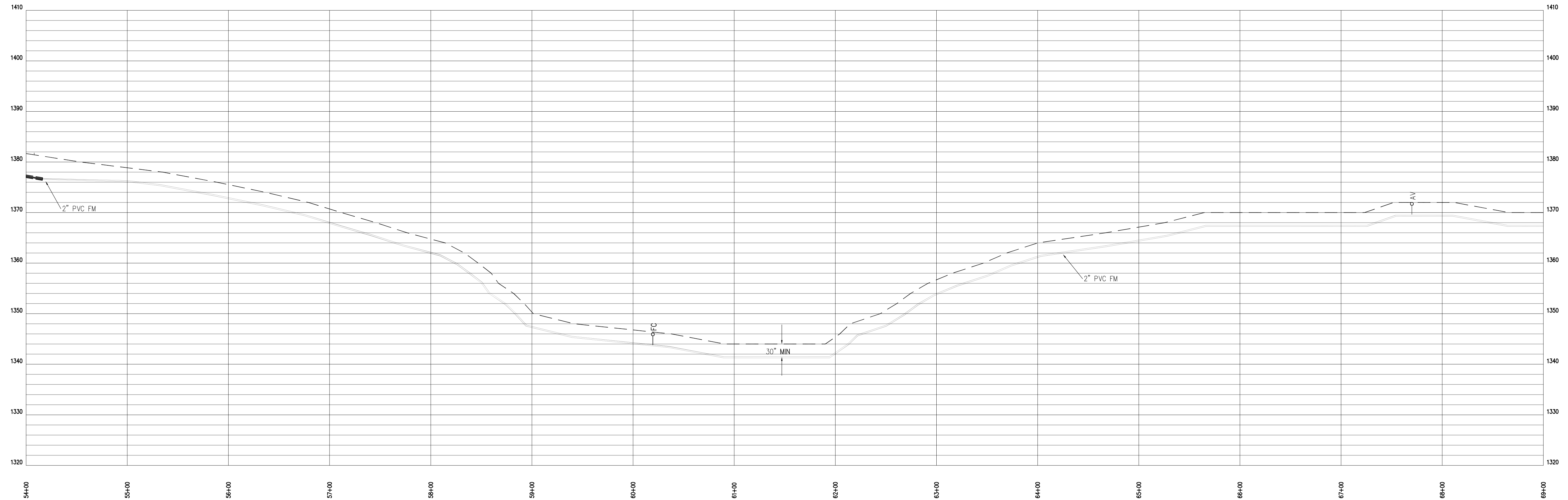
SCALE:	DESIGNED BY:	ARR	DATE:
1"=50'	DRAWN BY:	WBD	
	CHECKED BY:	ARR	
	PROJECT NO.:	19016	
	DATE:	AUGUST 2020	
	CAD DWG ID:	JOB 19016 SANITARY SEWER	

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 13  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

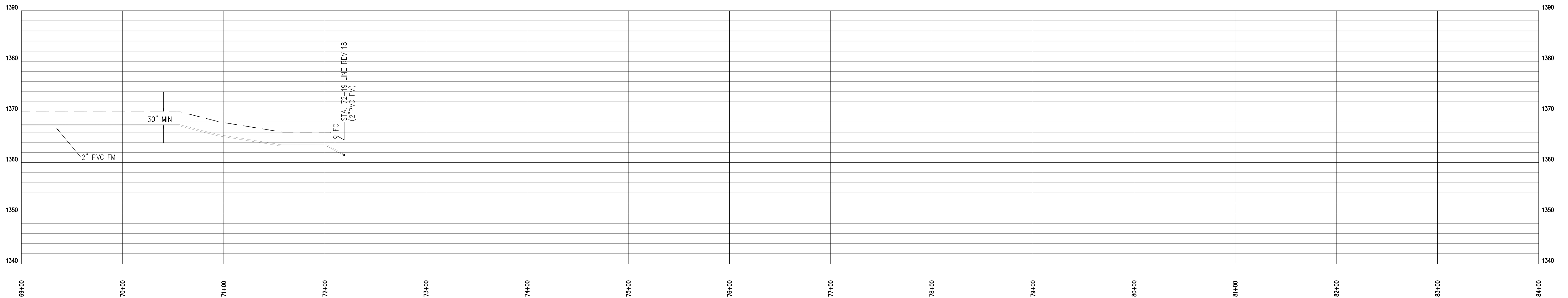
SHEET NUMBER:  
**85**

# SANITARY SEWER PROFILE LINE REV 13 FM



**PROFILE SCALE**  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 13 FM



*Alan R. Robison*

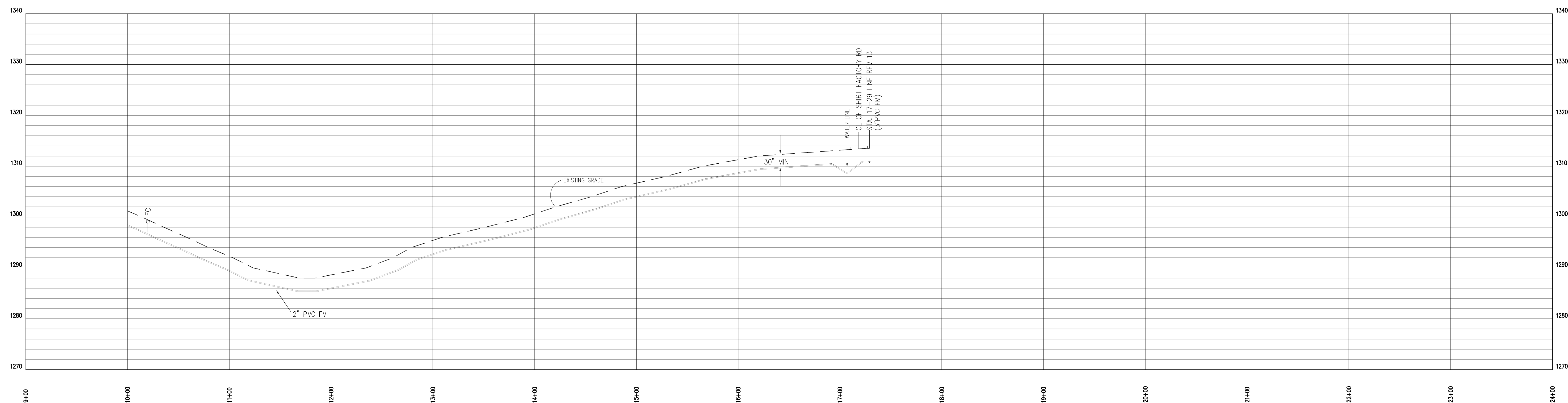
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

SCALE:	DESIGNED BY:	REVISION:	BY:	DATE:
1"=50'	ARR	ARR		
DRAWN BY:	WBD			
CHECKED BY:	ARR			
PROJECT NO:	19016			
DATE:	AUGUST 2020			
CAD DWG ID:	JOB 19016 SANITARY SEWER			

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 13  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 14 FM

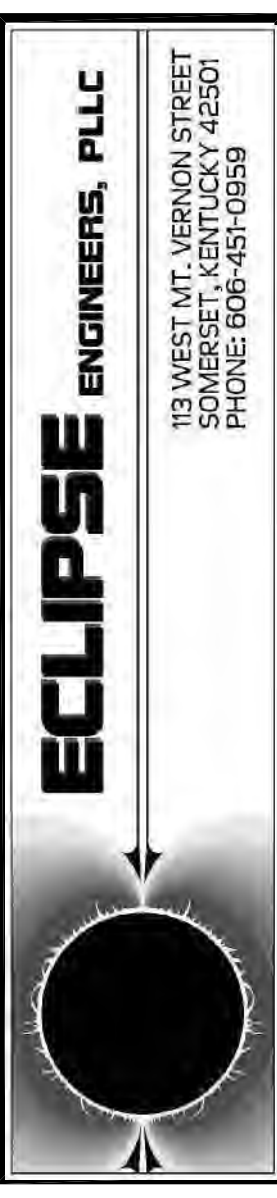


PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"= 50'

# SANITARY SEWER PROFILE LINE REV 16 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 1-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



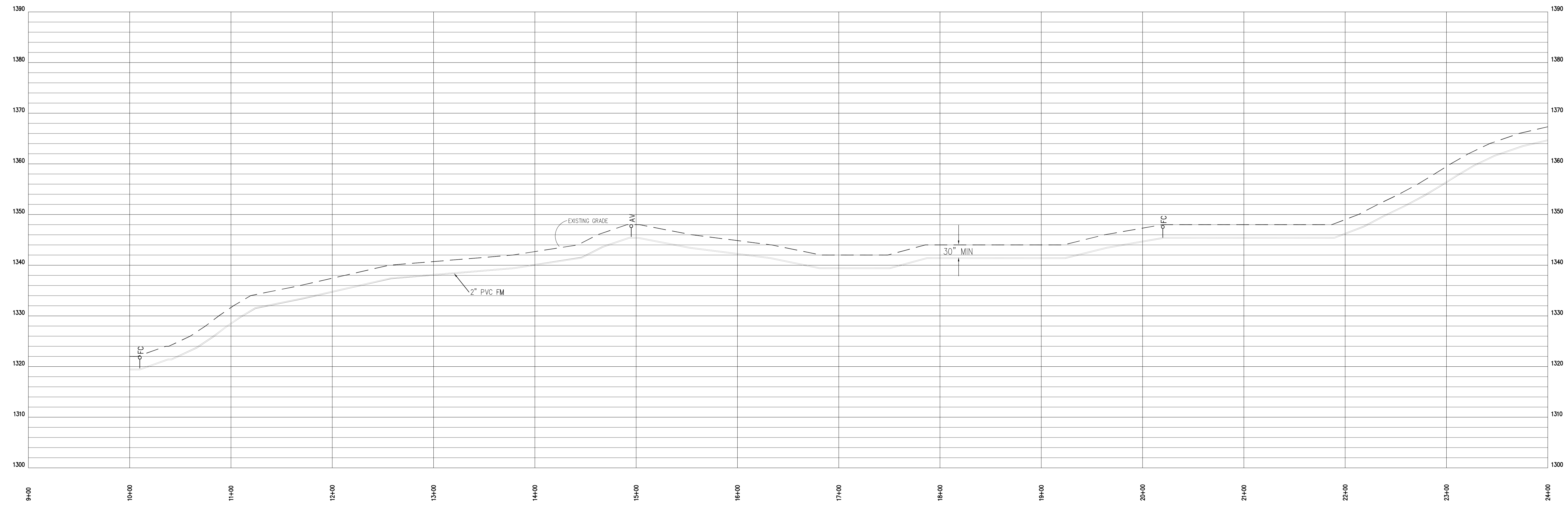
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

SCALE:	1"=50'
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	
BY:	
DATE:	

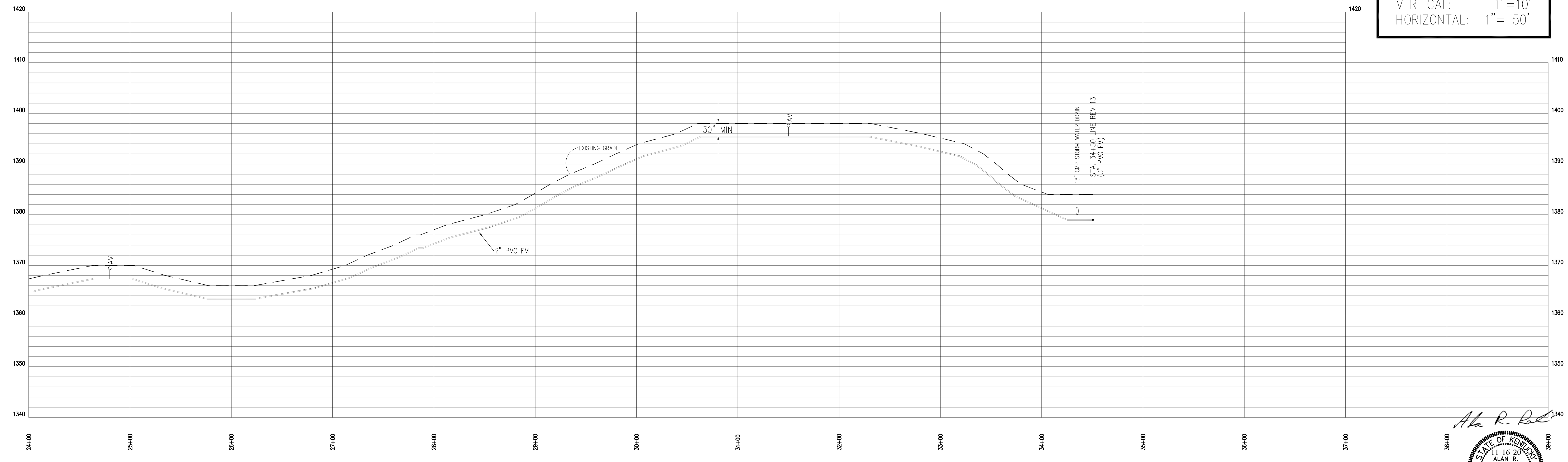
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 14 AND REV 16  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

# SANITARY SEWER PROFILE LINE REV 15 FM

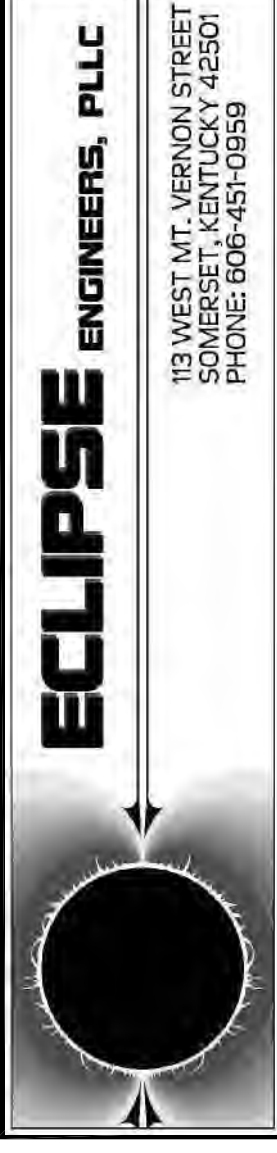


# SANITARY SEWER PROFILE LINE REV 15 FM



PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

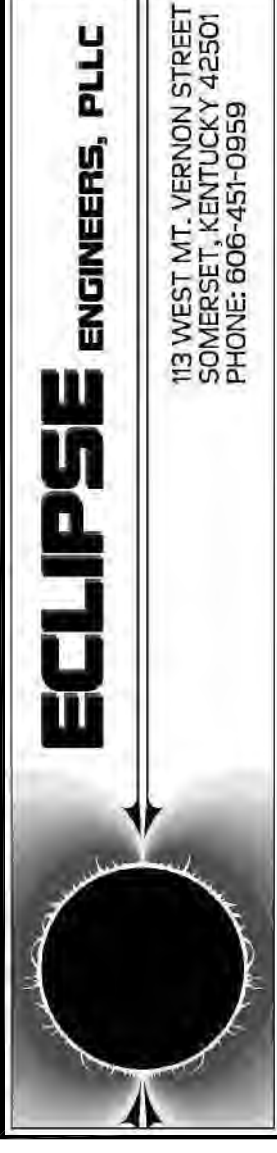
*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



SCALE:	DESIGNED BY:	REVISION:	BY:	DATE:
1"=50'	ARR	ARR		
	DRAWN BY:	WBD		
	CHECKED BY:	ARR		
	PROJECT NO.:	19016		
	DATE:	JULY 2020		
	CAD DWG ID:	JOB 19016 SANITARY SEWER		

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 15  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39



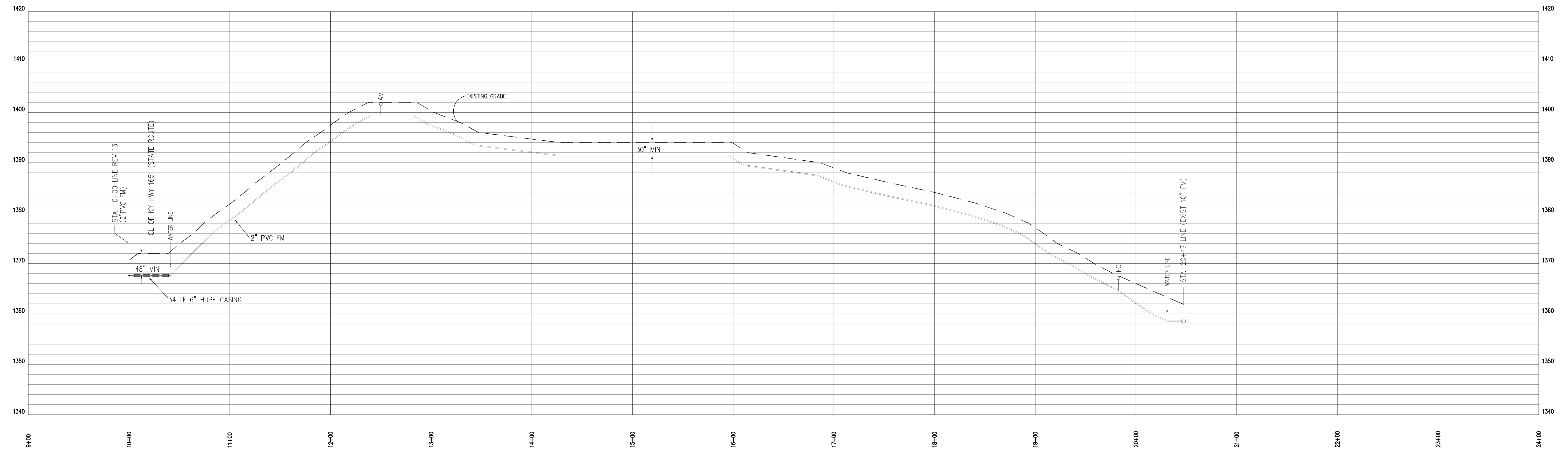
SCALE:	DESIGNED BY:	ARR	1"=50'
DRAWN BY:	WBD		
CHECKED BY:	ARR		
PROJECT NO.:	19016		
DATE:	AUGUST 2020		
CAD DWG ID:	JOB 19016 SANITARY SEWER		

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 17 AND REV 18  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

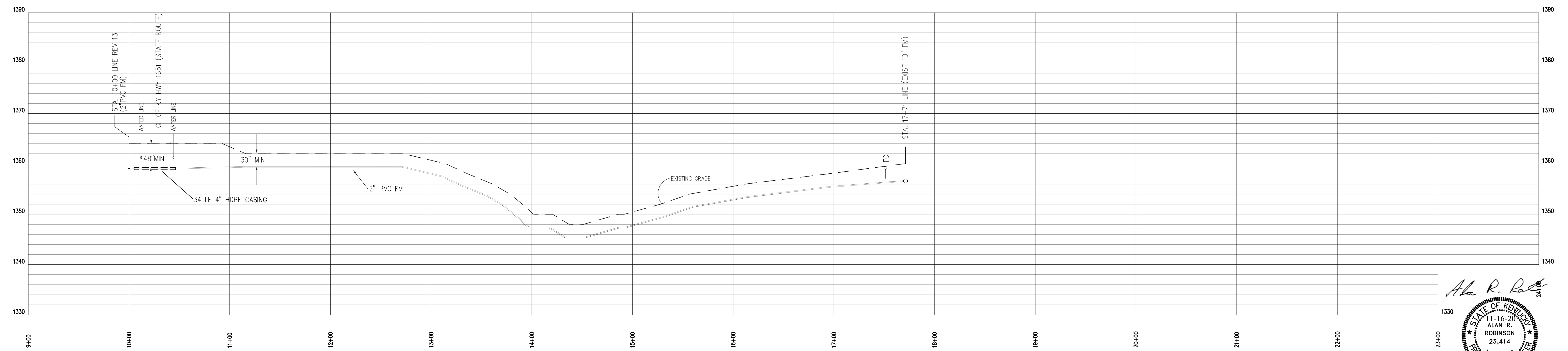
SHEET NUMBER:  
**89**

### SANITARY SEWER PROFILE LINE REV 17 FM



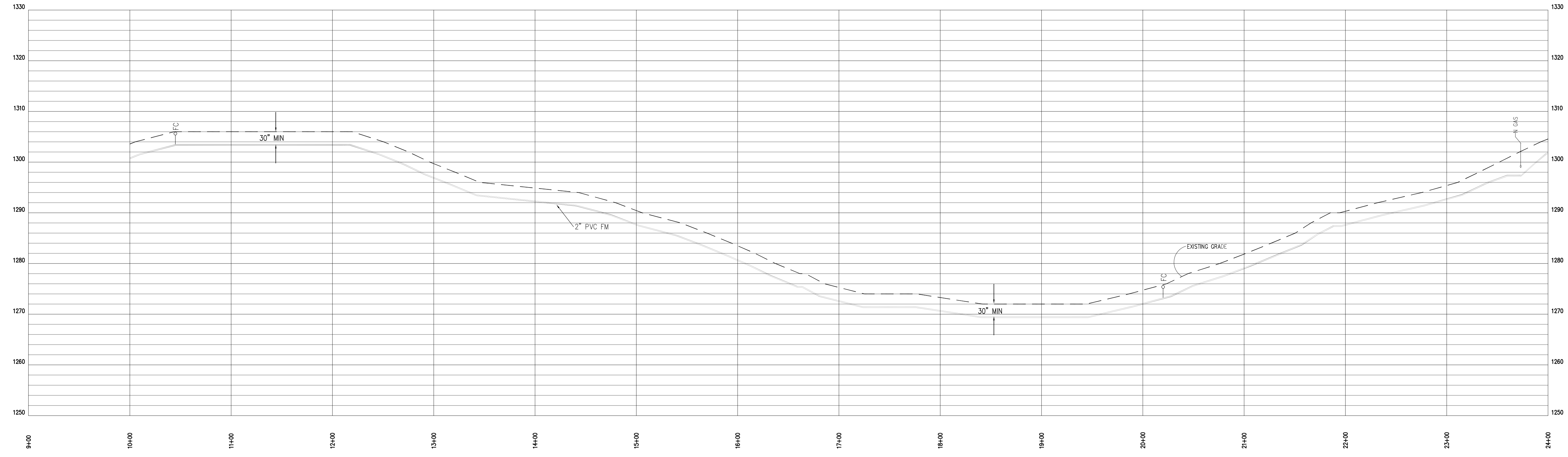
PROFILE SCALE  
 VERTICAL: 1"=10'  
 HORIZONTAL: 1"=50'

### SANITARY SEWER PROFILE LINE REV 18 FM



*Alan R. Robinson*  
 23,414  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER

# SANITARY SEWER PROFILE LINE REV 19 FM

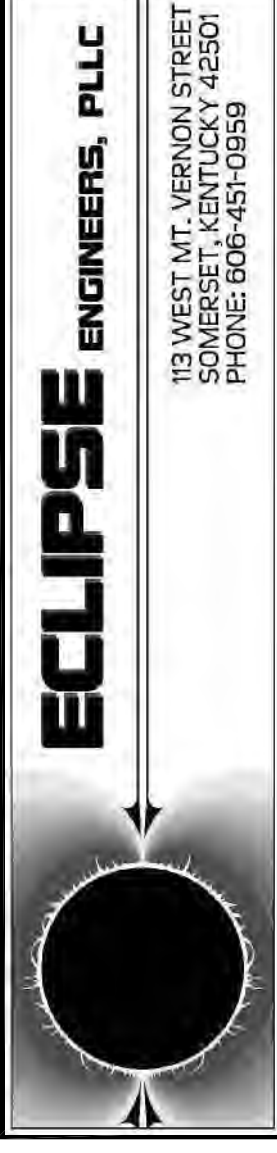


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 19 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 PROFESSIONAL ENGINEER



SCALE:	DESIGNED BY:	REVISION:	BY:	DATE:
1"=50'	ARR	1"	WBD	
	DRAWN BY:		ARR	
	CHECKED BY:		ARR	
	PROJECT NO:		19016	
	DATE:		AUGUST 2020	
	CAD DWG ID:		JOB 19016 SANITARY SEWER	

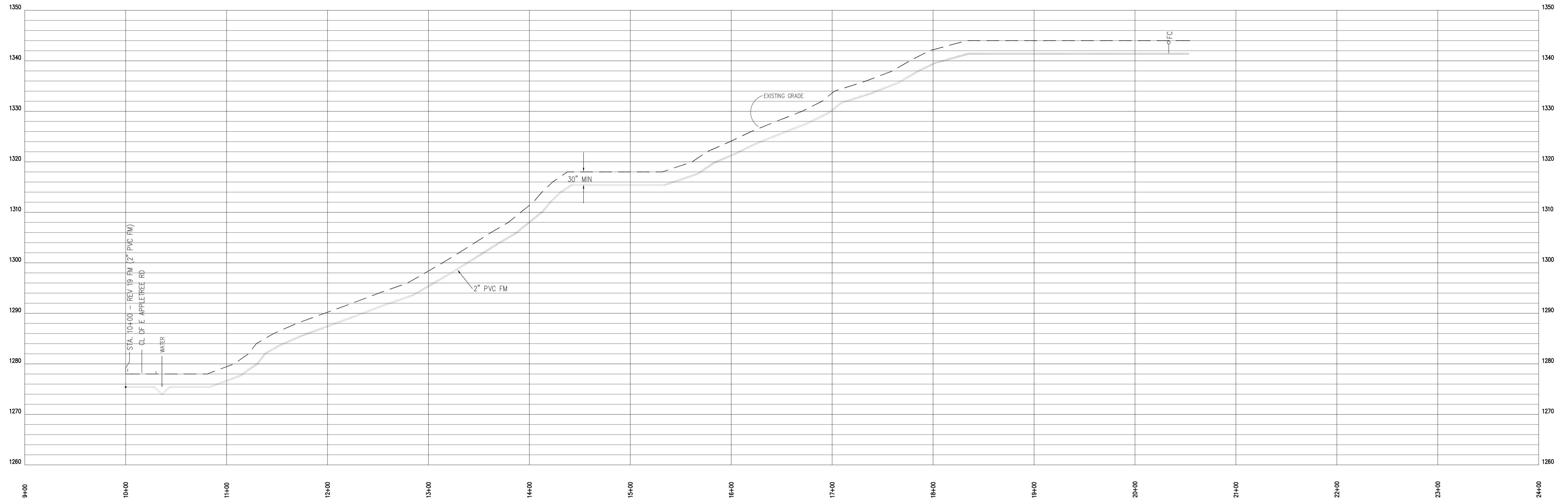
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 19  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

SHEET NUMBER:  
**90**

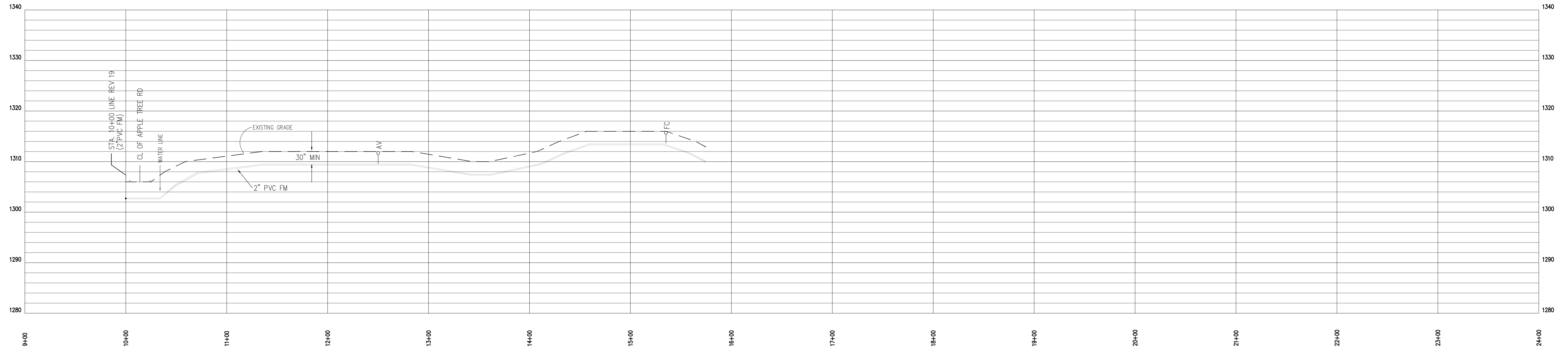


# SANITARY SEWER PROFILE LINE REV 20 FM

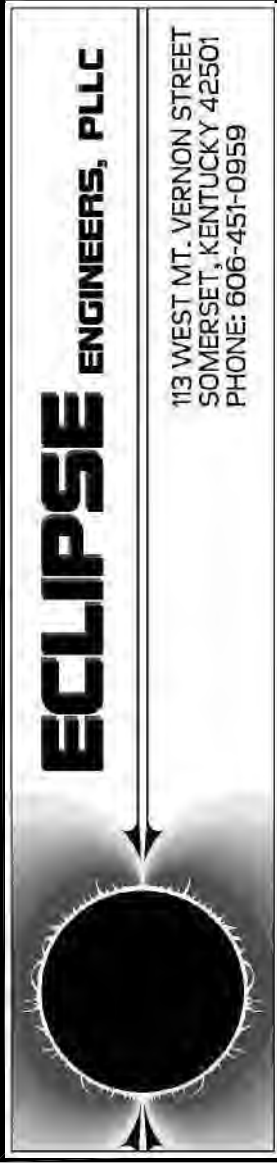


PROFILE SCALE  
 VERTICAL: 1" = 10'  
 HORIZONTAL: 1" = 50'

# SANITARY SEWER PROFILE LINE REV 21 FM



*Alan R. Robinson*  
 STATE OF KENTUCKY  
 11-16-20  
 ALAN R. ROBINSON  
 23,414  
 LICENSED PROFESSIONAL ENGINEER



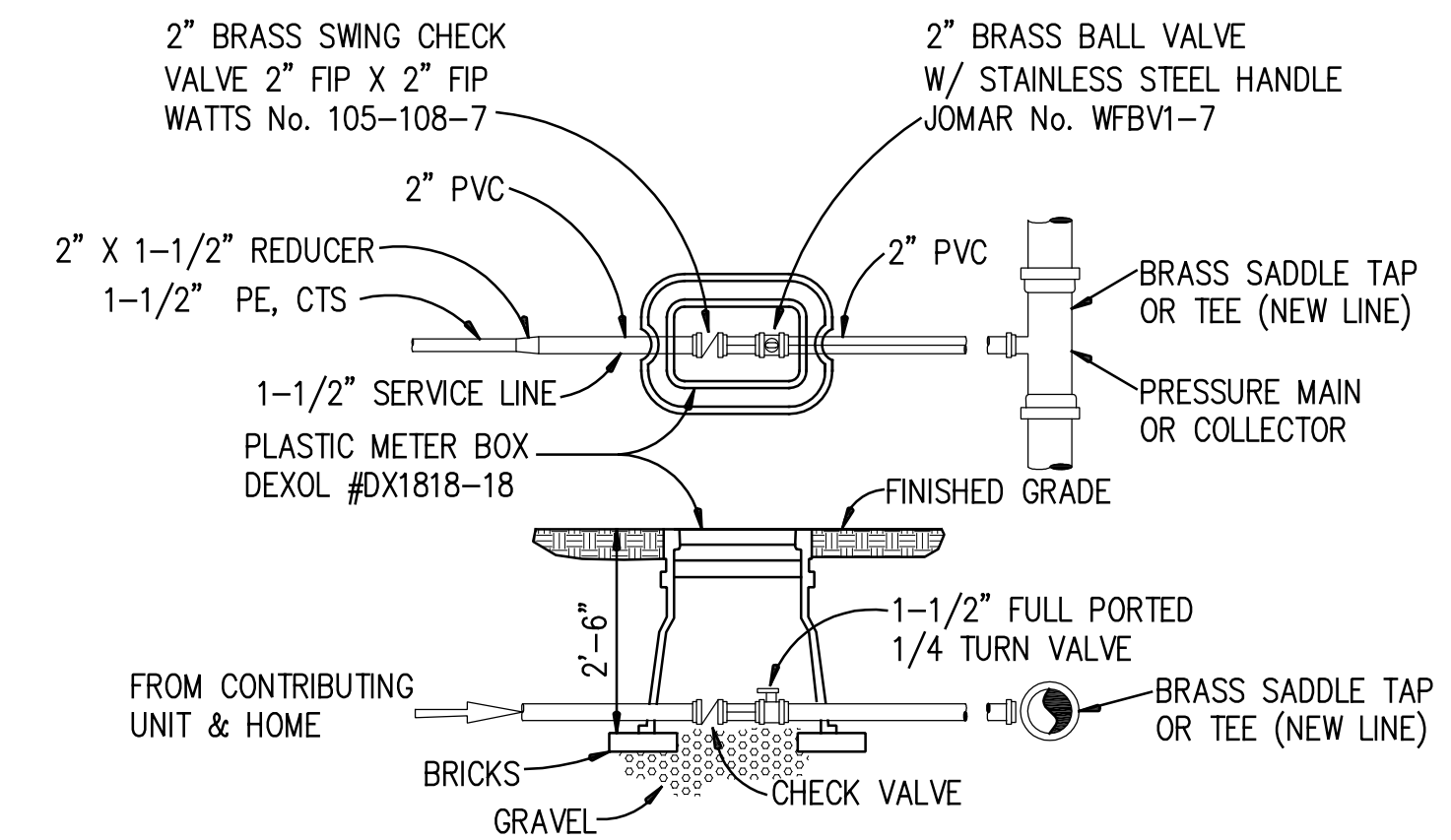
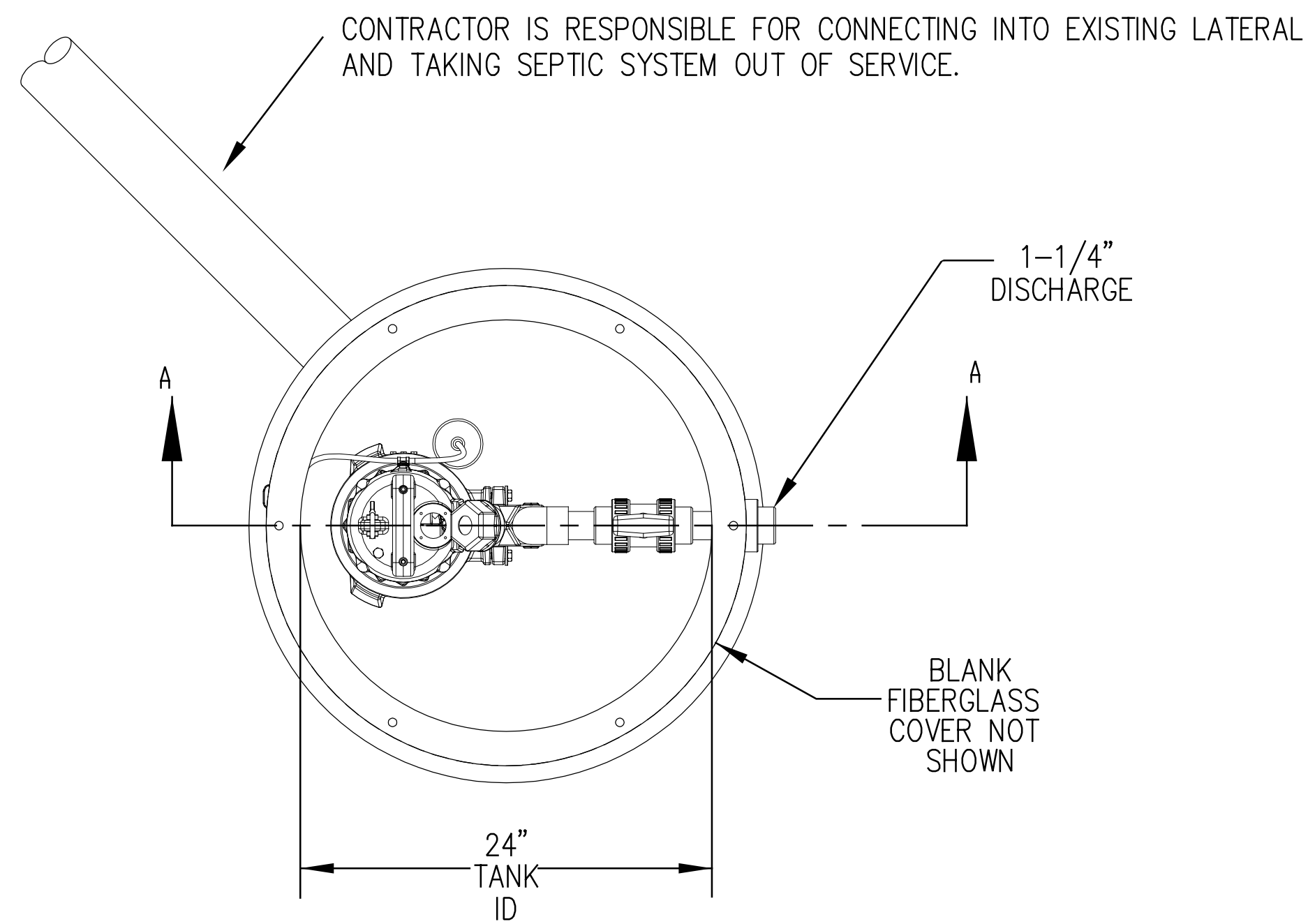
**ECLIPSE ENGINEERS, PLLC**  
 113 WEST MT. VERNON STREET  
 SOMERSET, KENTUCKY 40501  
 PHONE: 606-451-0859

SCALE:	DESIGNED BY:	ARR	REVISION:	BY:	DATE:
1"=50'	DRAWN BY:	WBD			
	CHECKED BY:	ARR			
	PROJECT NO.:	19016			
	DATE:	AUGUST 2020			
	CAD DWG ID:	JOB 19016 SANITARY SEWER			

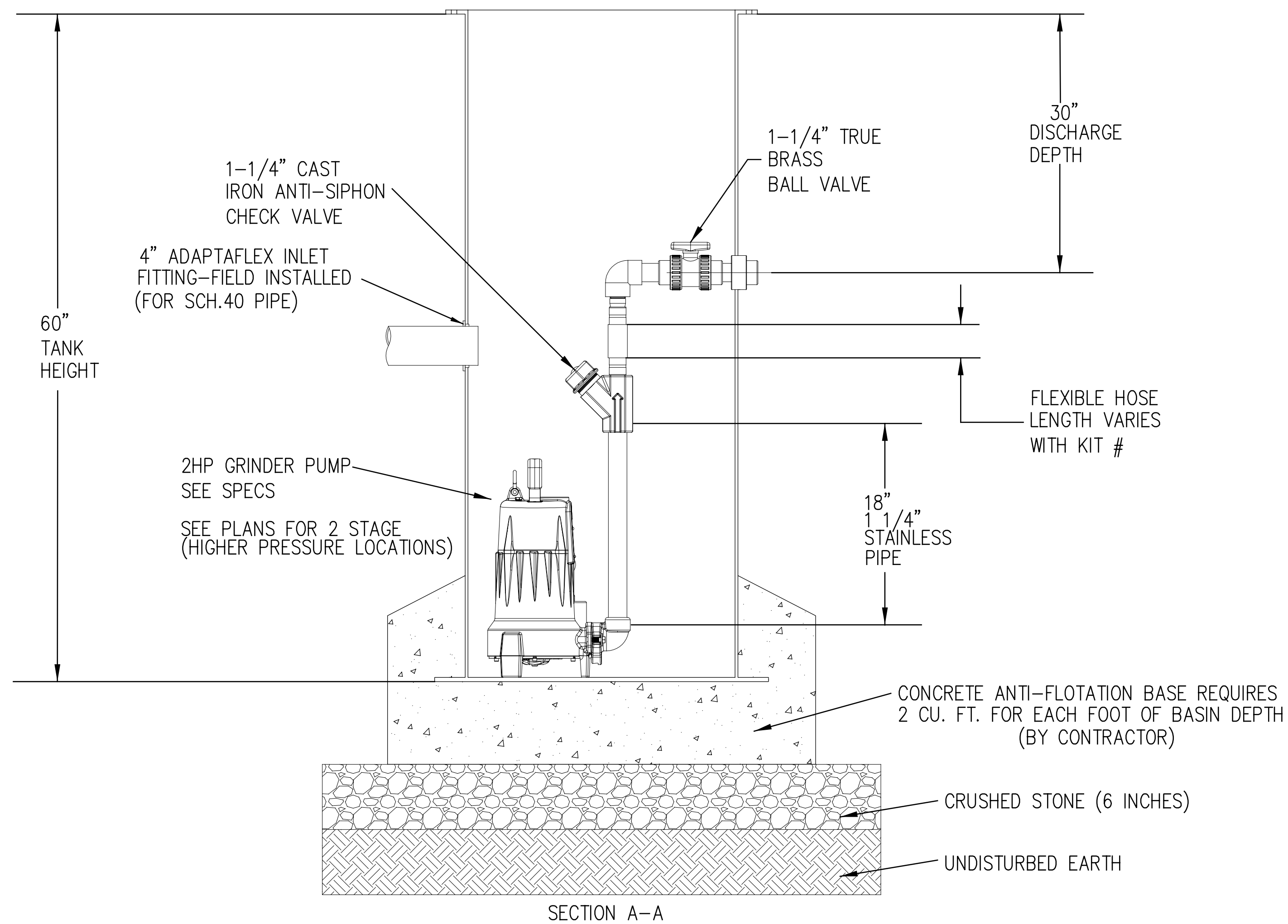
McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

PROFILE LINE REV 20 AND REV 21  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

SHEET NUMBER:  
**91**



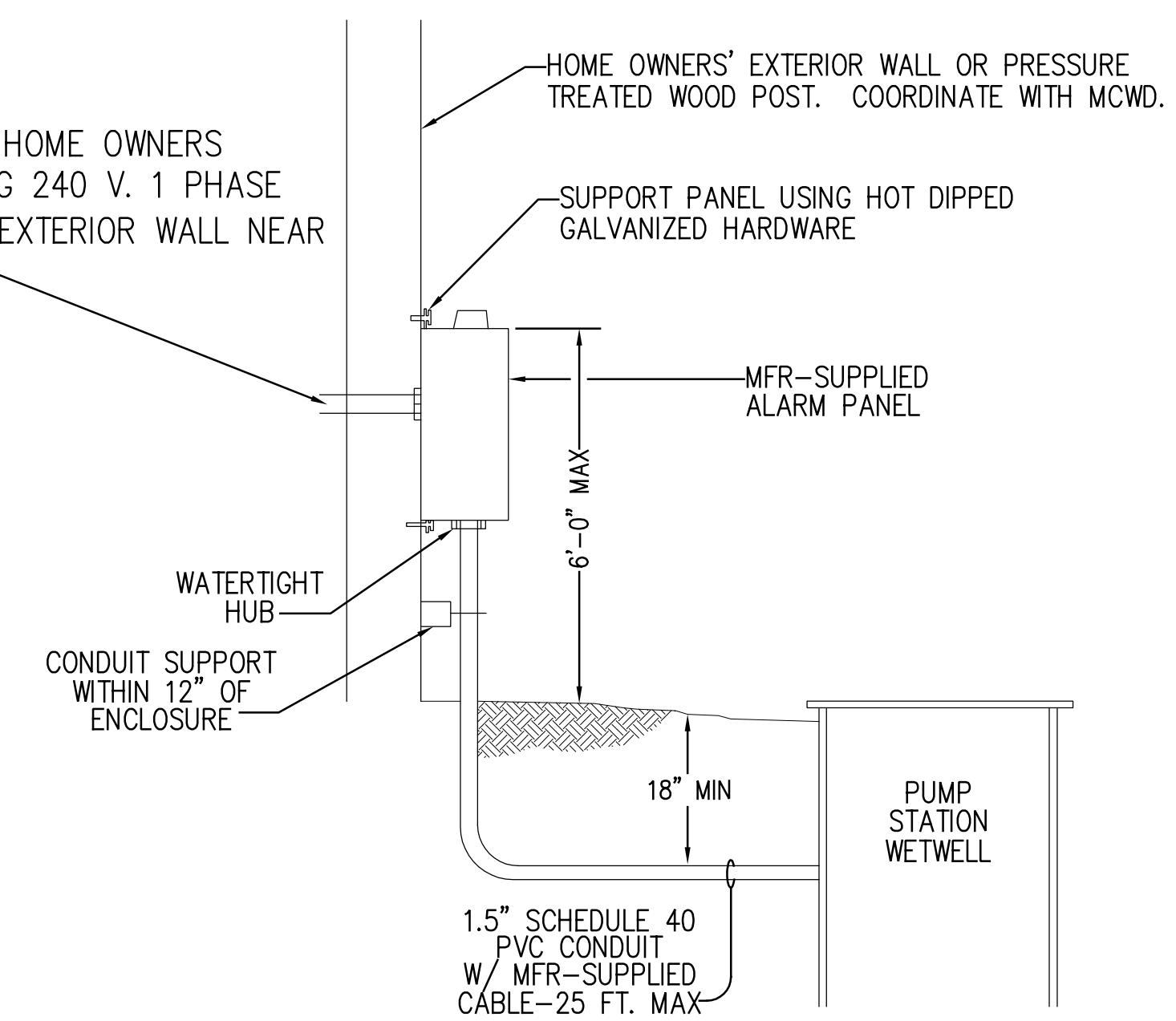
**GRINDER CHECK VALVE ASSEMBLY**



**RESIDENTIAL GRINDER PUMP STATION**

NOT TO SCALE

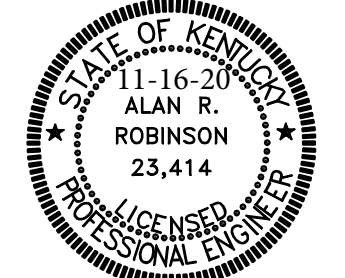
CONTRACTOR SHALL MODIFY HOME OWNERS ELECTRIC SERVICE AND BRING 240 V. 1 PHASE 30 AMP CIRCUIT (N.I.C.) TO EXTERIOR WALL NEAR PROPOSED PUMP STATION.



**ALARM PANEL INSTALLATION**

NOT TO SCALE

*Alan R. Robinson*

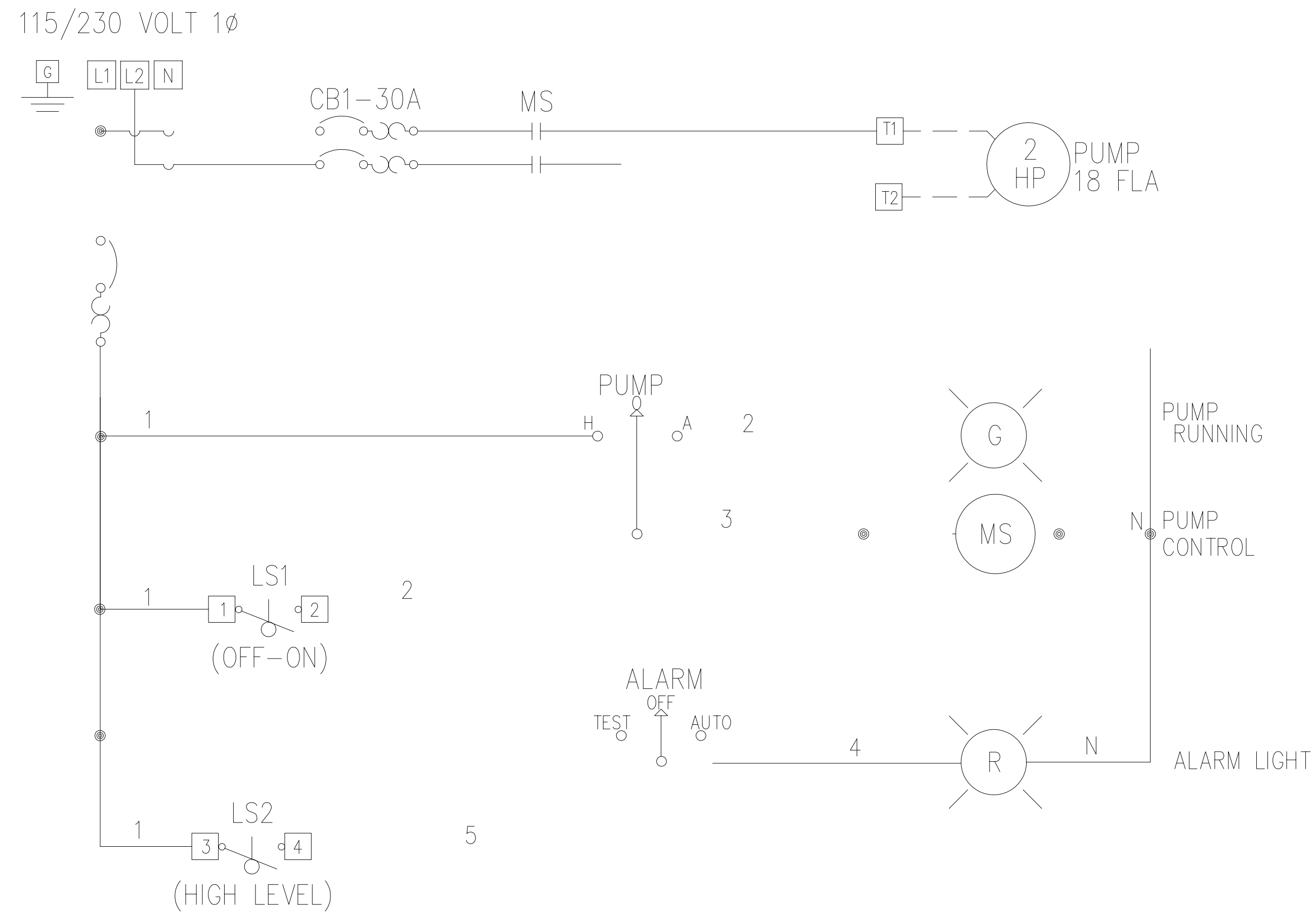


DATE:	
BY:	
REVISION:	
N.T.S.	
ARR	
WBD	
ARR	19016
PROJECT NO.:	AUGUST 2020
DATE:	
CAD DWG ID:	JOB 19016 SANITARY SEWER

McCREARY COUNTY  
 WATER DISTRICT  
 456 N. HWY 27  
 WHITLEY CITY, KENTUCKY 42653

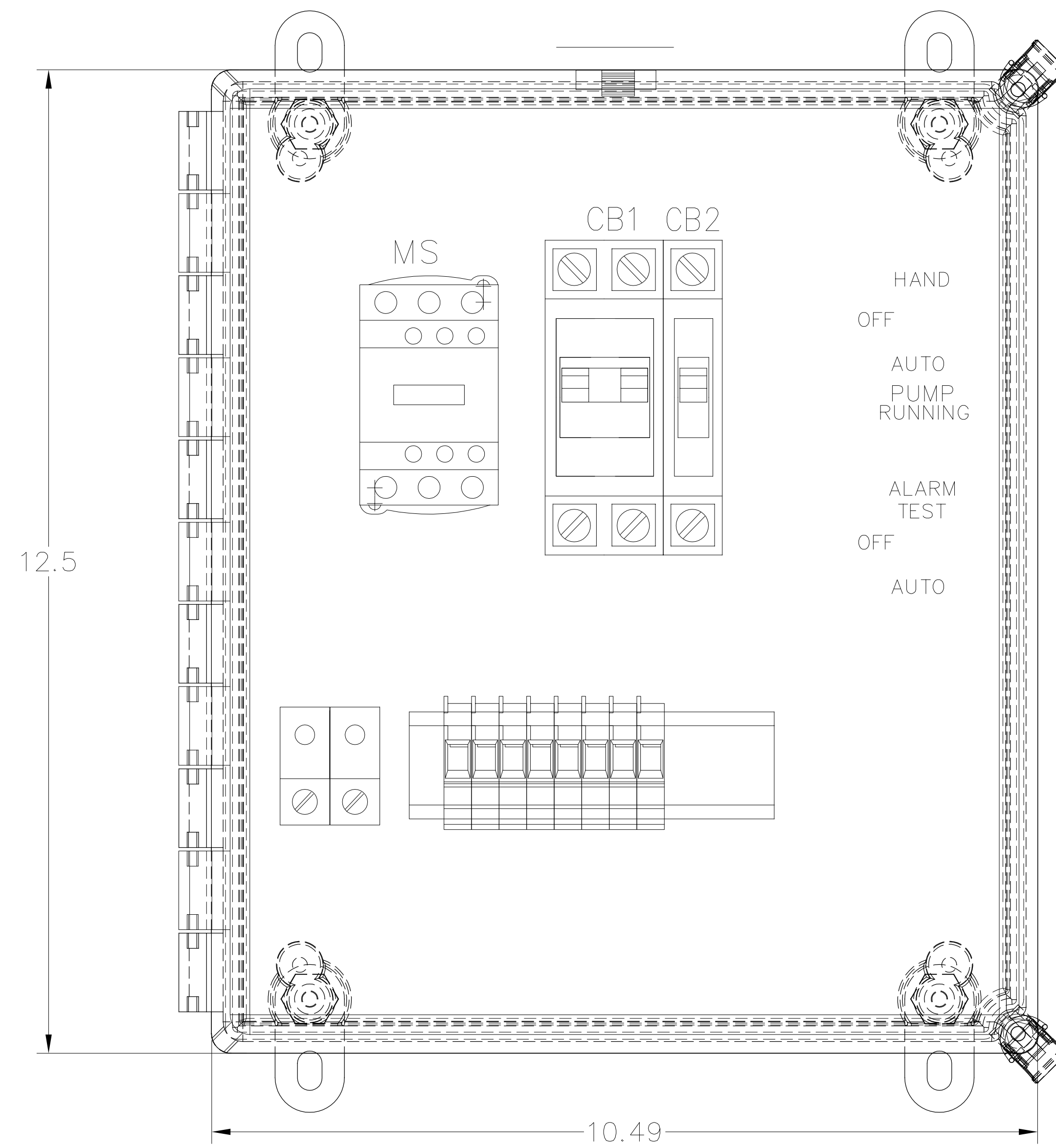
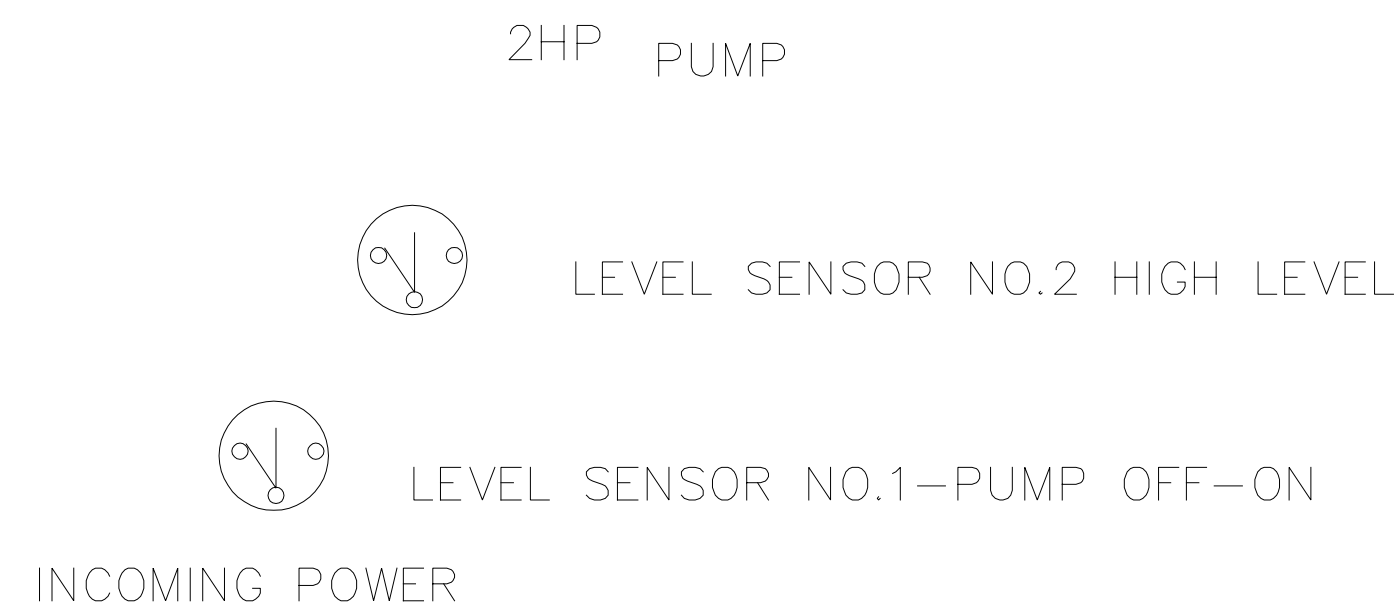
**SIMPLEX GRINDER PUMP DETAILS**  
 SANITARY SEWER COLLECTION SYSTEM EXPANSION  
 PHASE ONE - CONTRACT No. 39

NOTE: MAIN SERVICE DISCONNECT MUST BE PROVIDED BY INSTALLER. CIRCUIT BREAKER OR FUSING NOT TO BE LESS THAN 40 AMPS.



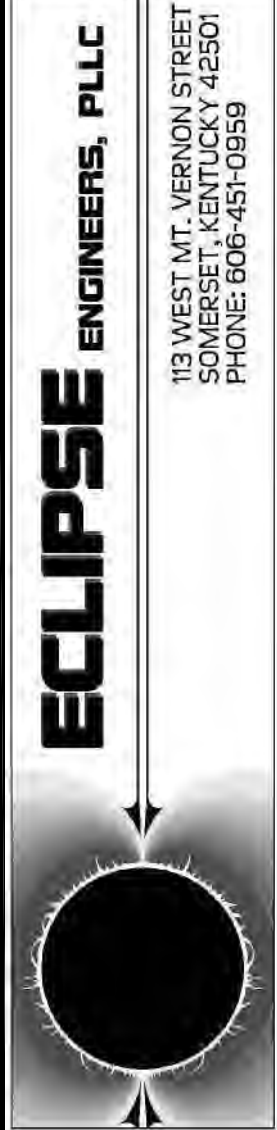
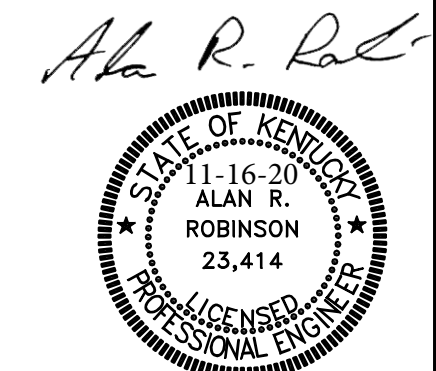
FIELD CONNECTIONS

|L1|L2|N|1|2|3|4|T1|T2|



WIRING CODE	SIZE	COLOR
240 POWER	1412	BLACK
120V NEUTRAL	146	WHITE
120V CONTROL	146	RED
GROUND	1616	GREEN
DRY CONTACTS	144	YELLOW

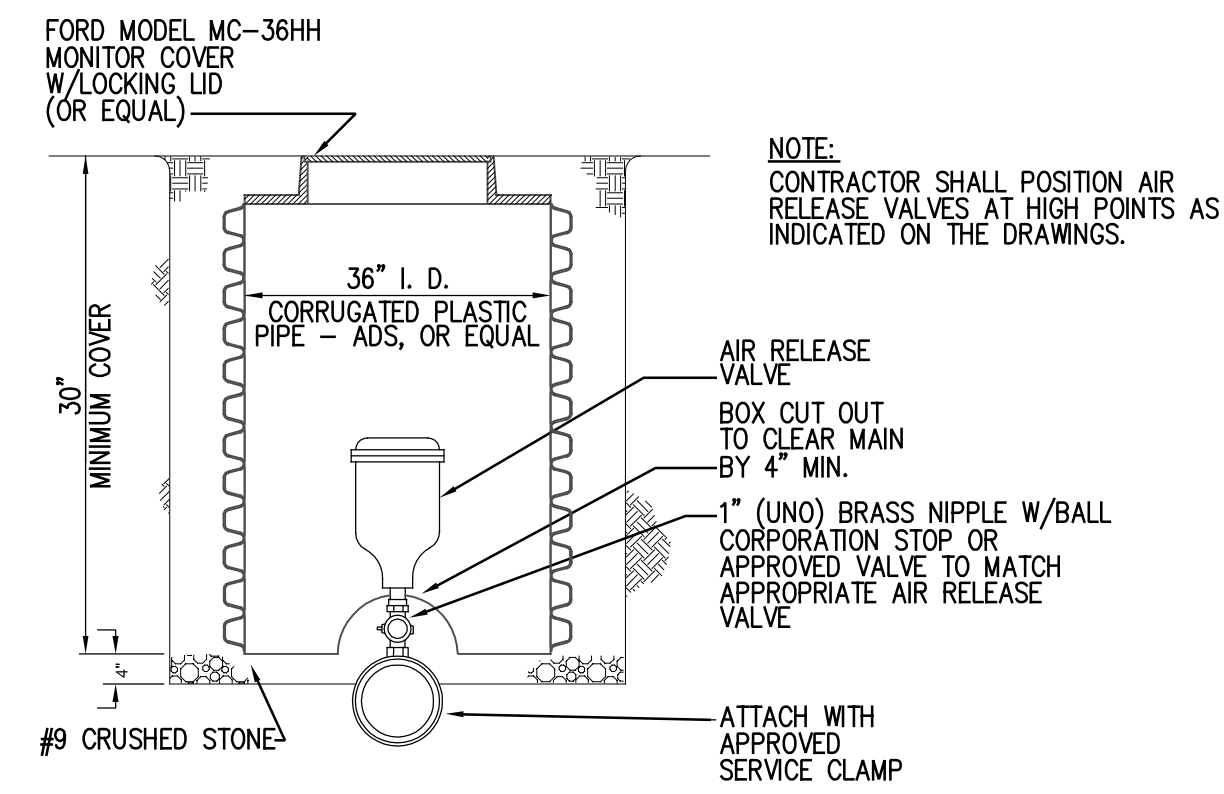
PANEL TO BEAR UL508A LABEL



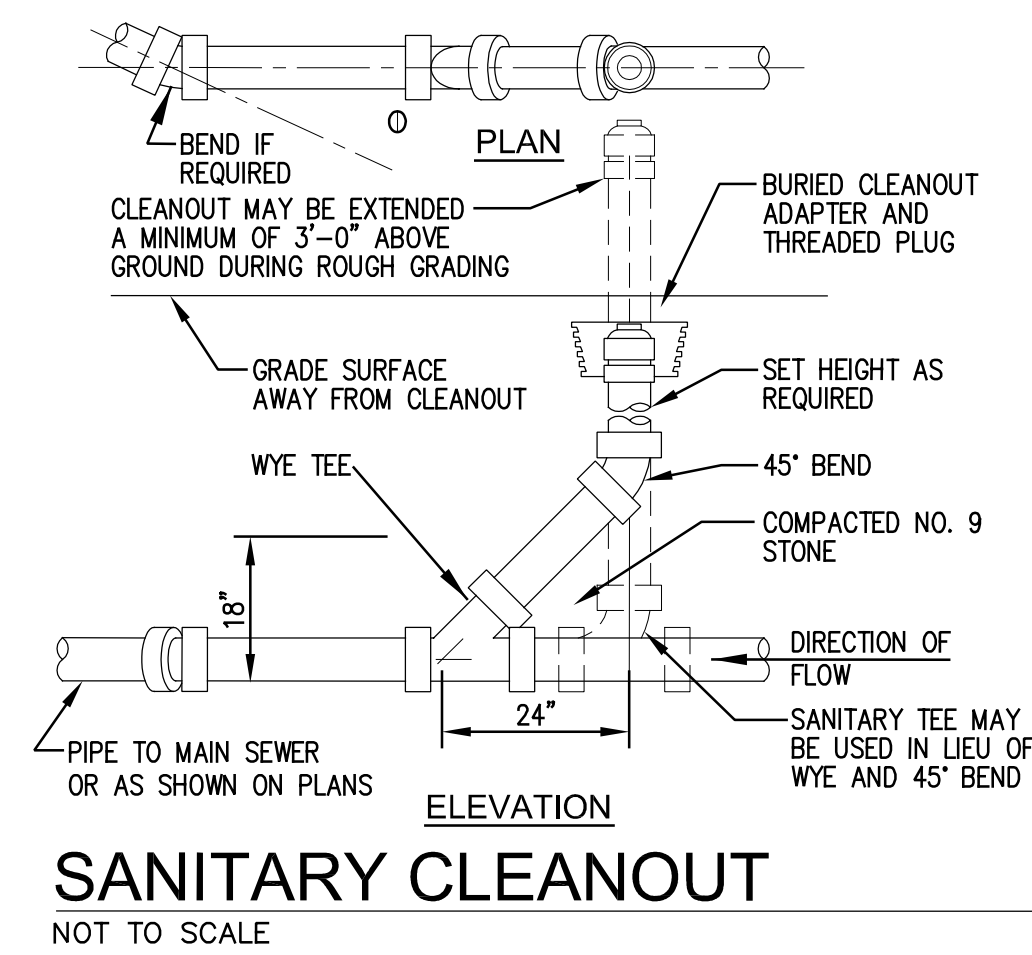
SCALE:	N.T.S.
DESIGNED BY:	ARR
DRAWN BY:	WBD
CHECKED BY:	ARR
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER
REVISION:	BY: DATE:

McCREARY COUNTY  
WATER DISTRICT  
456 N. HWY 27  
WHITLEY CITY, KENTUCKY 42653

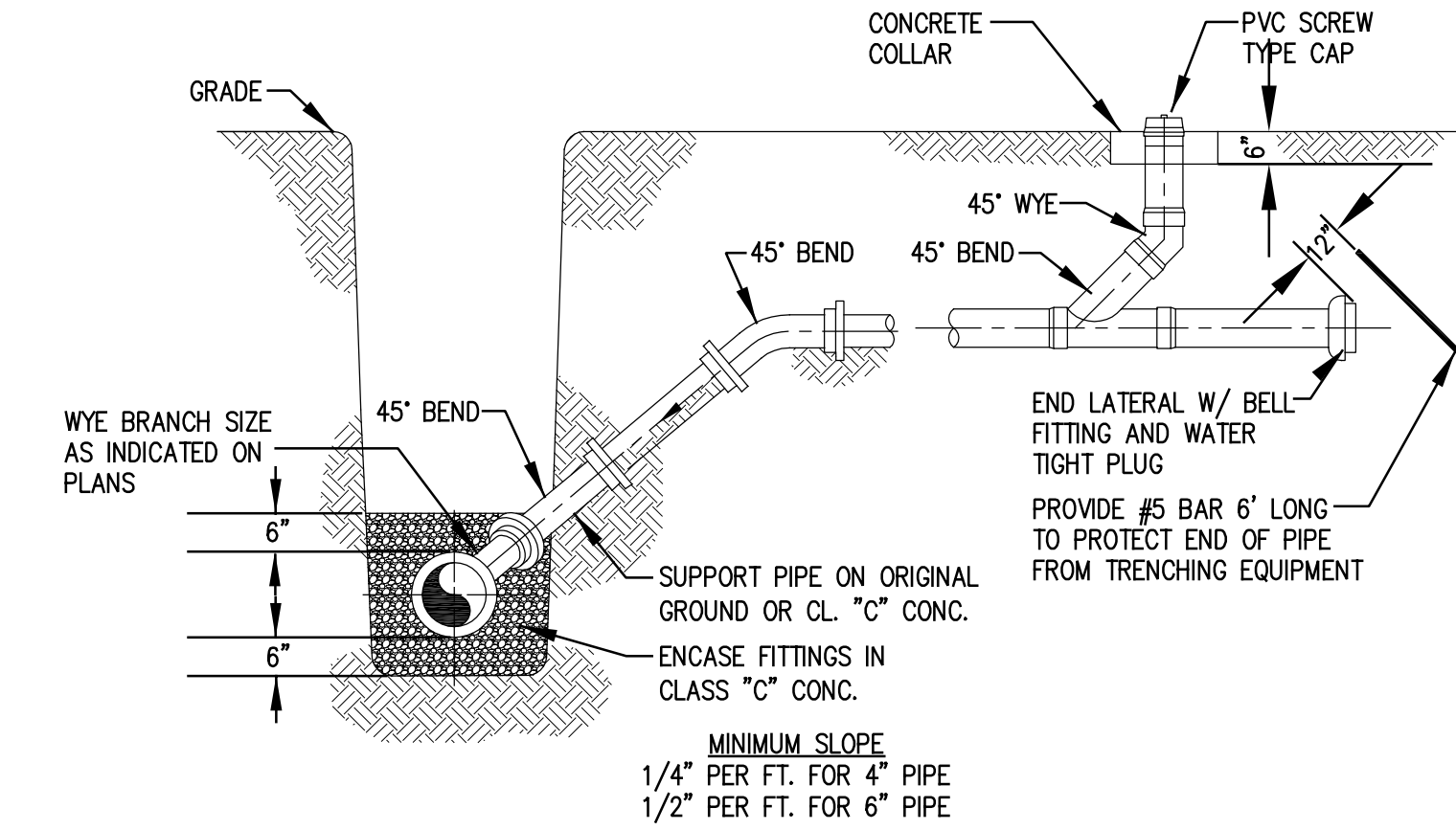
SIMPLEX GRINDER PUMP CONTROL PANEL  
SANITARY SEWER COLLECTION SYSTEM EXPANSION  
PHASE ONE - CONTRACT No. 39



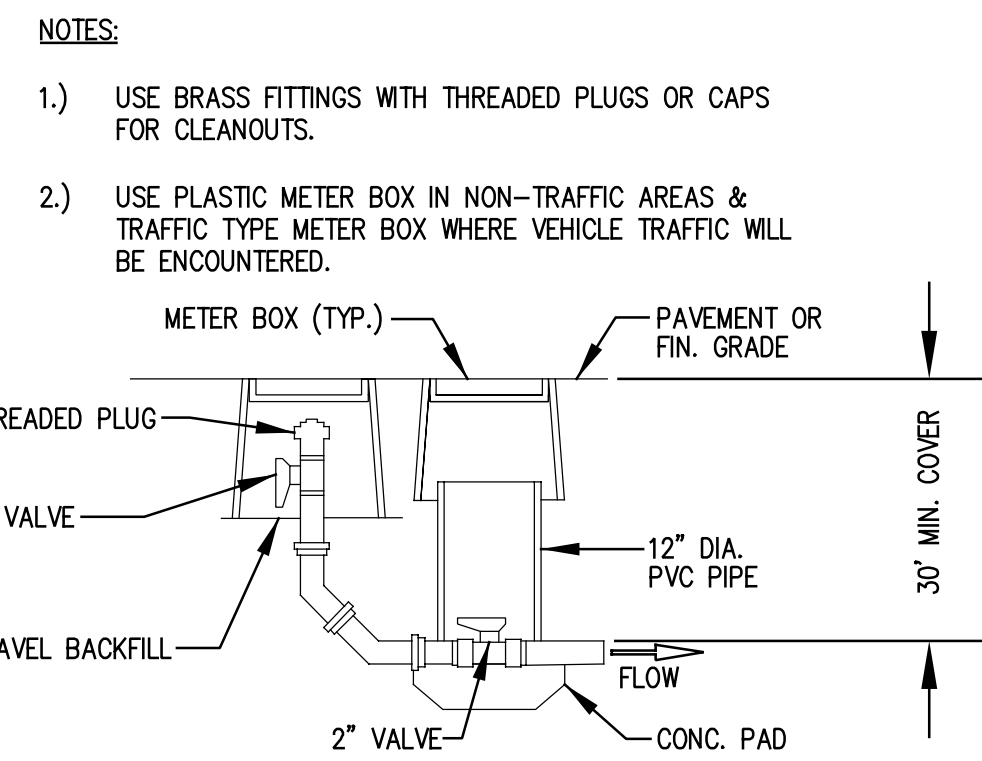
**DETAIL - AIR RELEASE VALVE ASSEMBLY**  
NOT TO SCALE



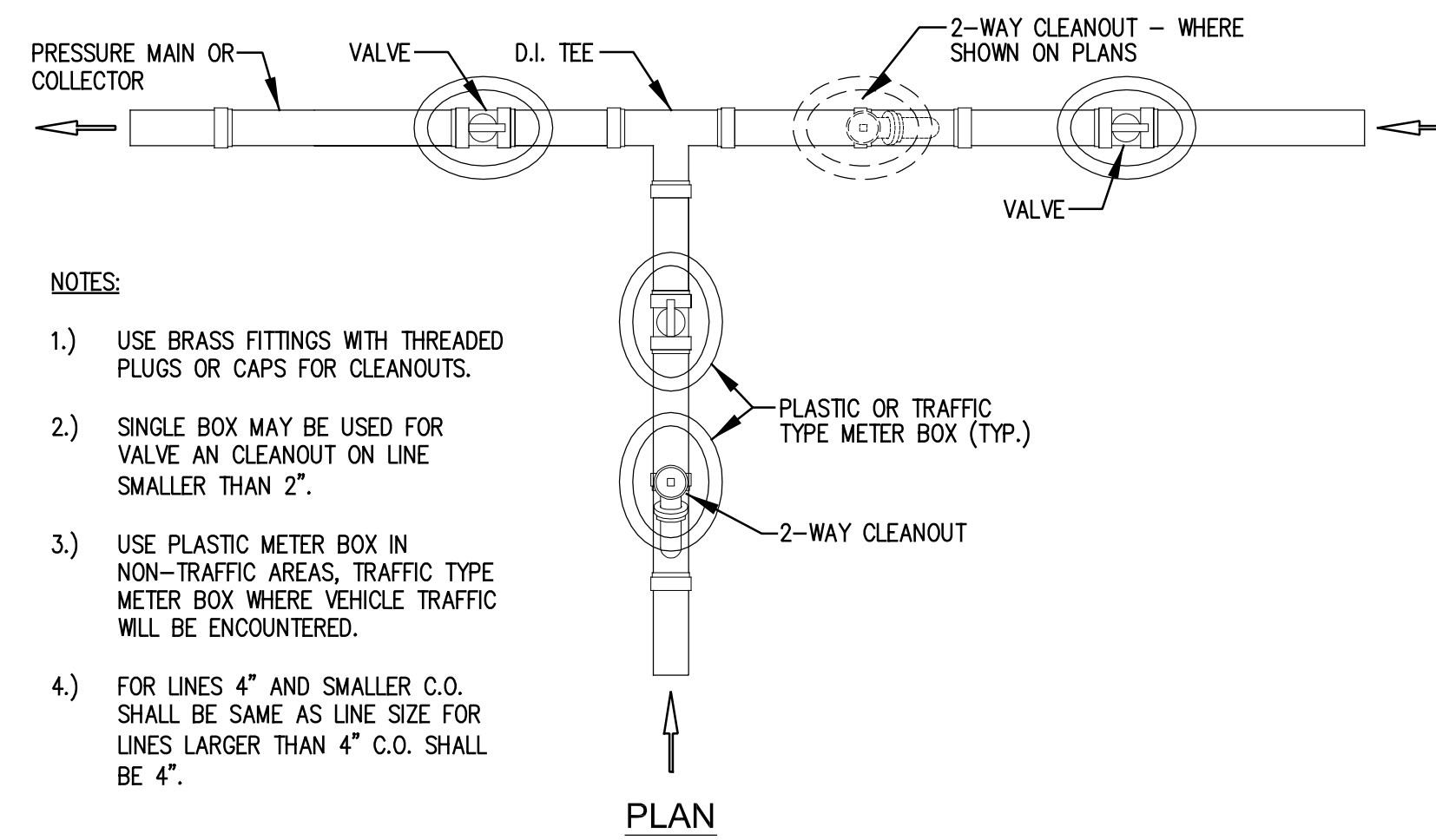
**SANITARY CLEANOUT**  
NOT TO SCALE



**SERVICE CONNECTION FOR DEEP SEWER IN EARTH**  
N.T.S.

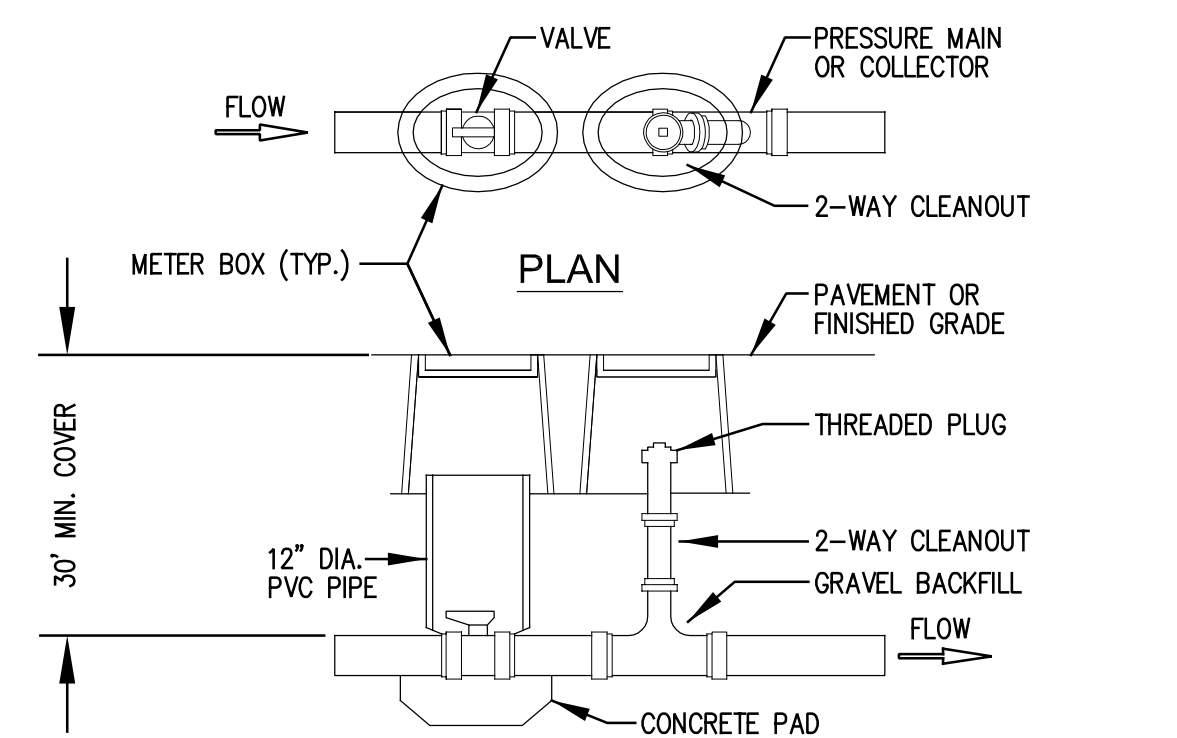


**TERMINAL CLEANOUT, VALVE, AND BOX**  
NOT TO SCALE

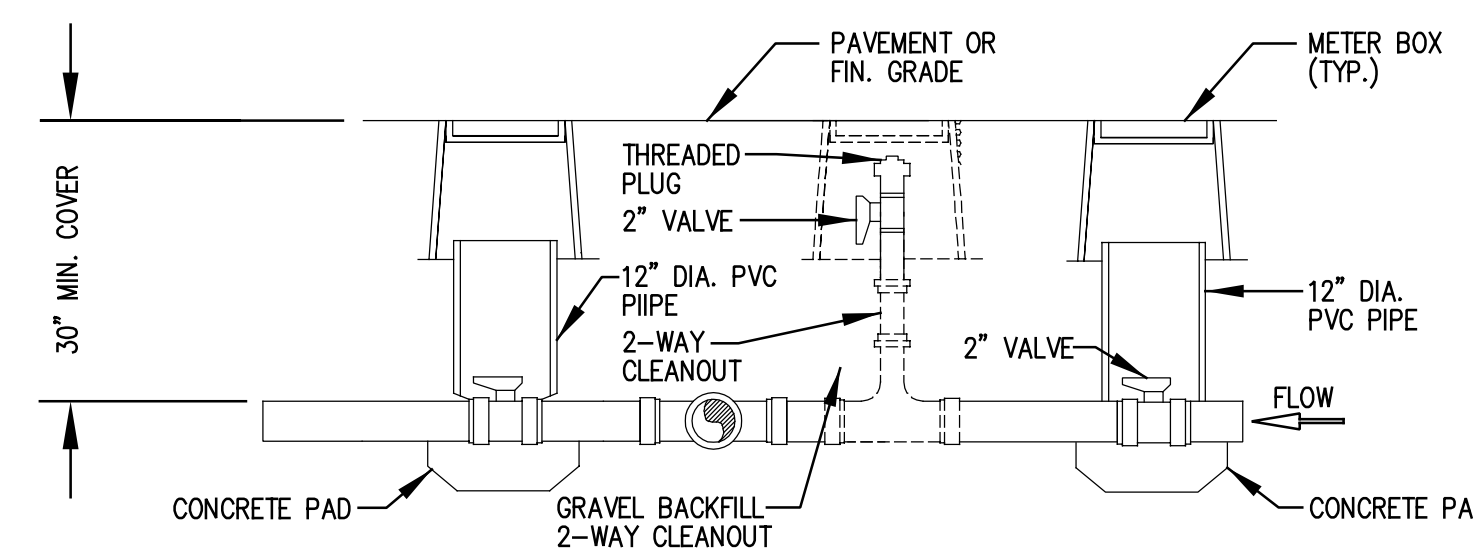


- NOTES:**
- 1.) USE BRASS FITTINGS WITH THREADED PLUGS OR CAPS FOR CLEANOUTS.
  - 2.) SINGLE BOX MAY BE USED FOR VALVE AND CLEANOUT ON LINE SMALLER THAN 2".
  - 3.) USE PLASTIC METER BOX IN NON-TRAFFIC AREAS, TRAFFIC TYPE METER BOX WHERE VEHICLE TRAFFIC WILL BE ENCOUNTERED.
  - 4.) FOR LINES 4" AND SMALLER C.O. SHALL BE SAME AS LINE SIZE FOR LINES LARGER THAN 4" C.O. SHALL BE 4".

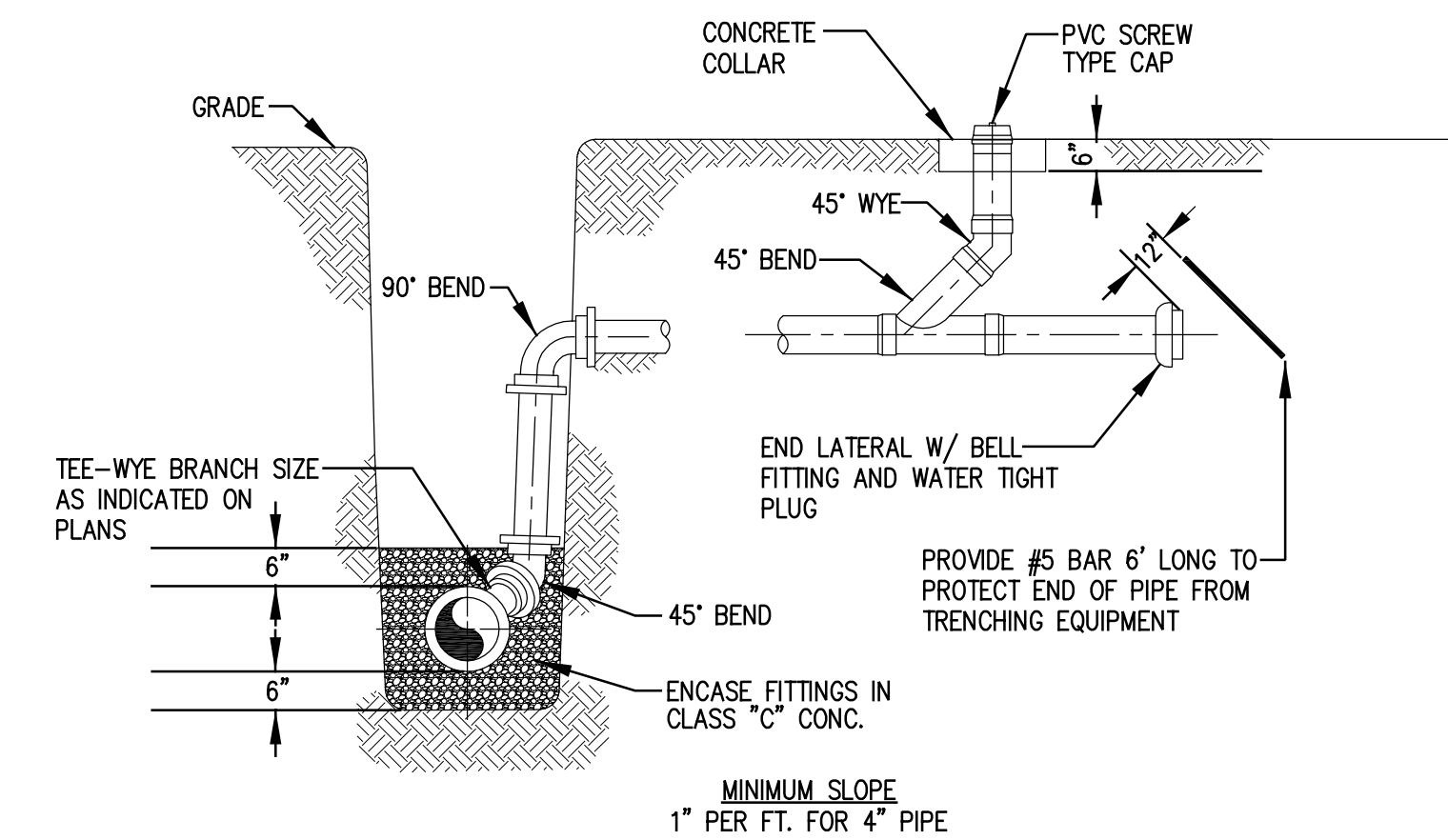
**VALVES, BOX, & 2-WAY CLEANOUT ARRANGEMENTS AT JUNCTION OF PRESSURE MAINS**



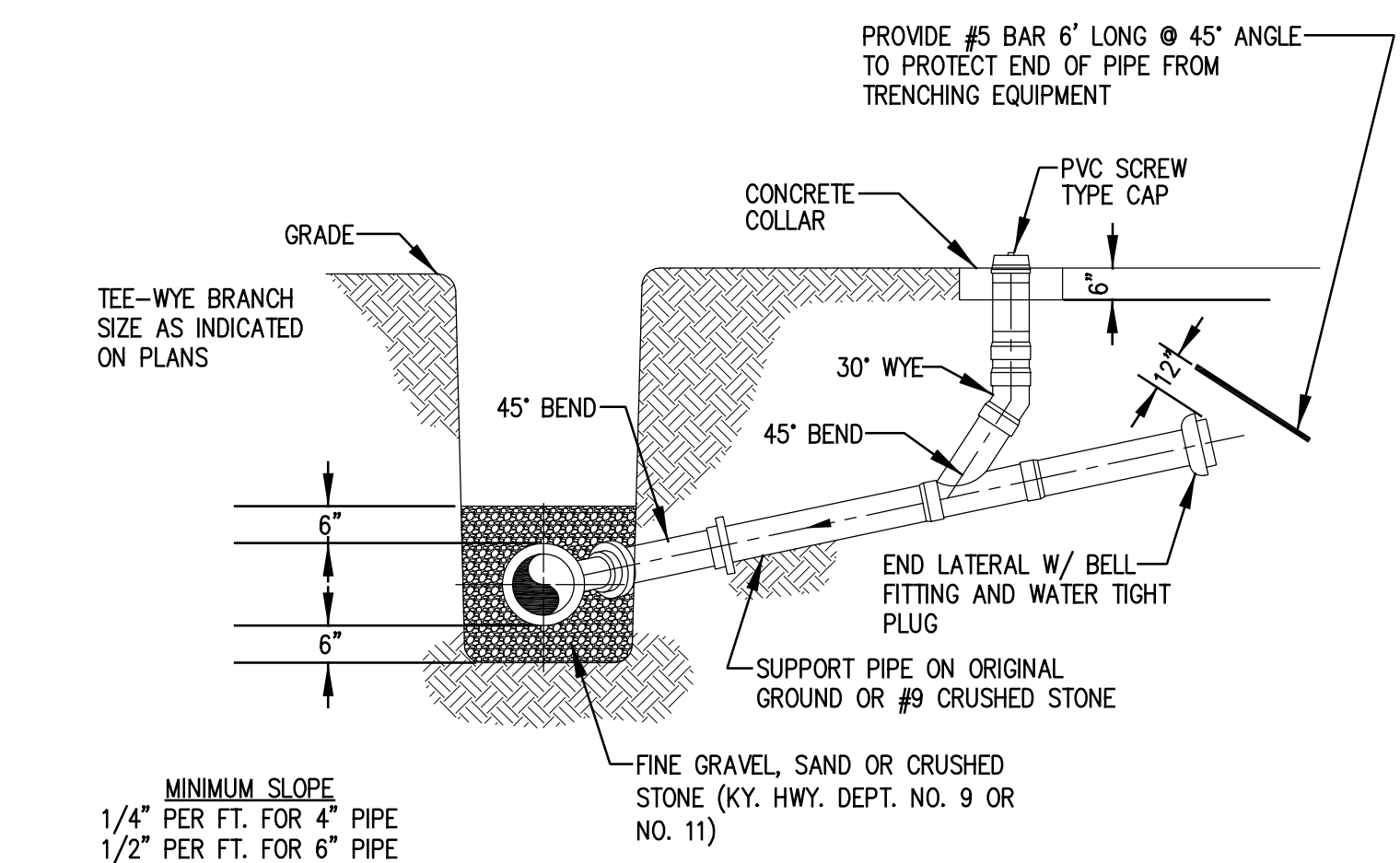
**IN-LINE 2-WAY CLEANOUT & VALVE**  
NOT TO SCALE



**FLUSHING CONNECTION**  
NOT TO SCALE



**SERVICE CONNECTION FOR DEEP SEWER IN ROCK EXCAVATION OR CONFINED LOCATIONS**  
N.T.S.



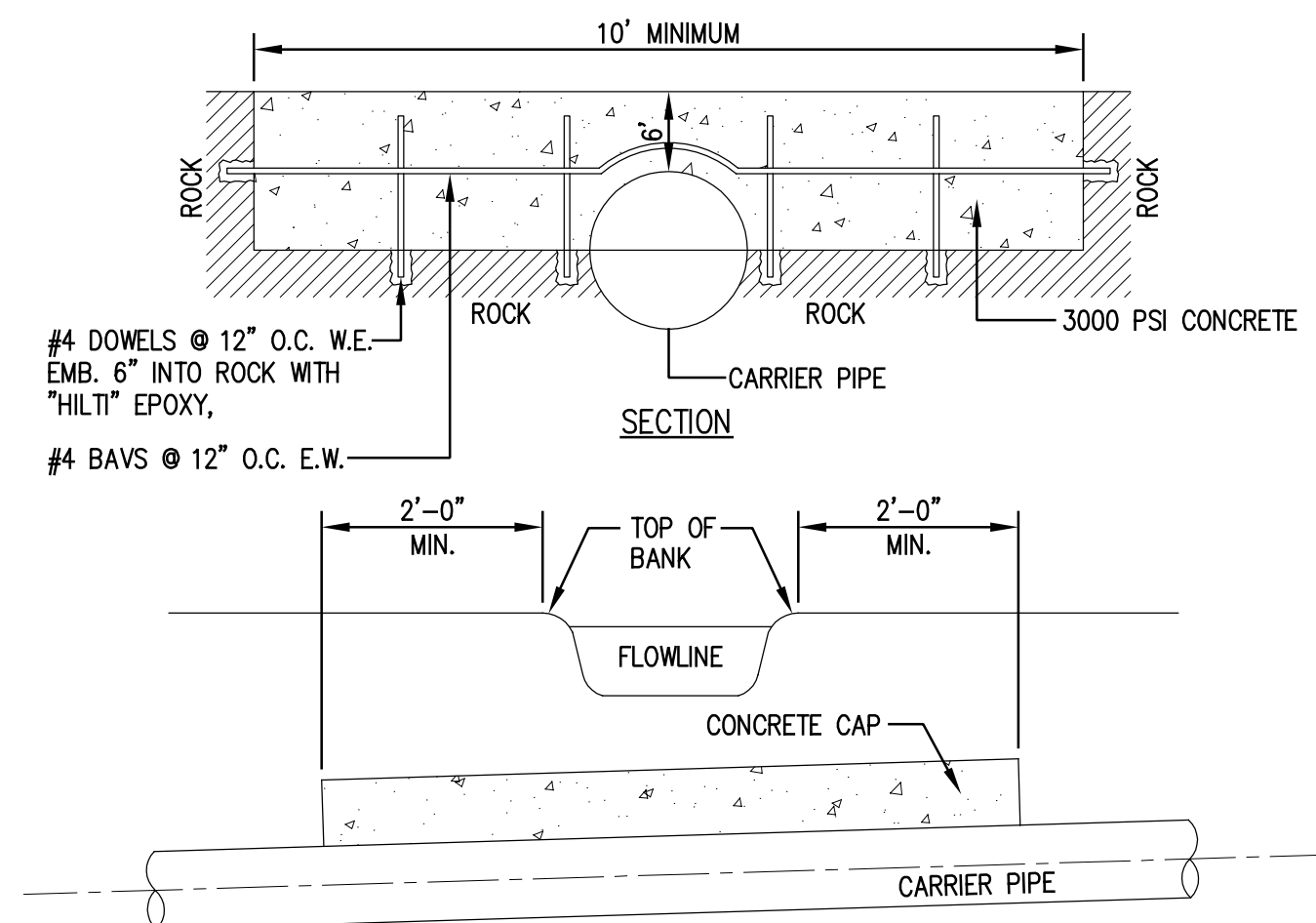
**SERVICE CONNECTION FOR SHALLOW SEWER IN EARTH OR ROCK**  
N.T.S.

*Alan R. Robinson*  
ALAN R. ROBINSON  
23,414  
LICENSED PROFESSIONAL ENGINEER

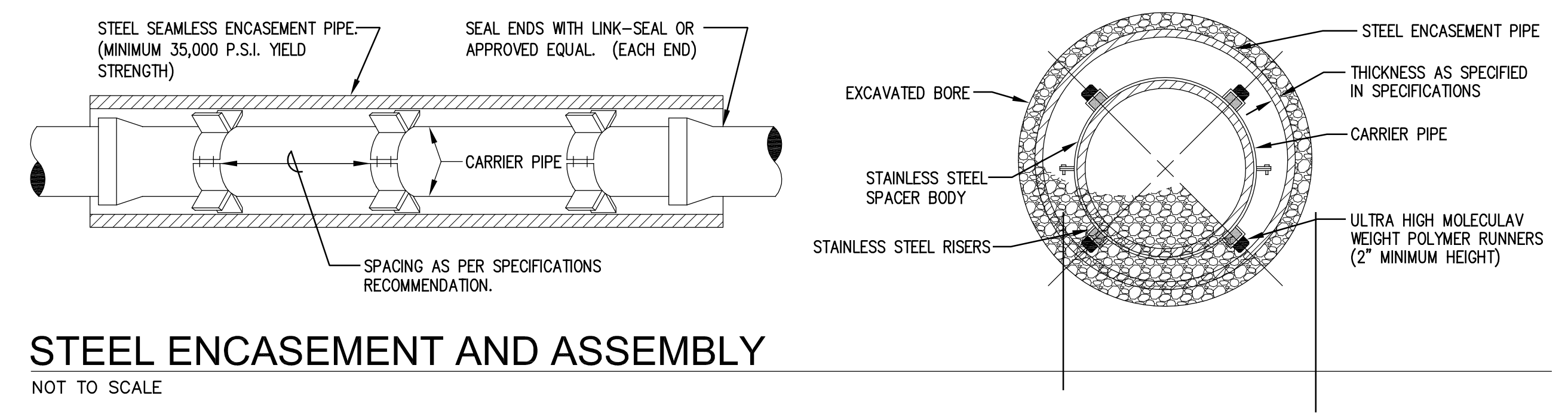
DATE:	
BY:	
REVISION:	
N.T.S.:	
ARR:	
WBD:	
ARR:	
ARR:	
PROJECT NO.:	19016
DATE:	AUGUST 2020
CAD DWG ID:	JOB 19016 SANITARY SEWER

**McCREARY COUNTY WATER DISTRICT**  
456 N. HWY 27  
WHITLEY CITY, KENTUCKY 42653

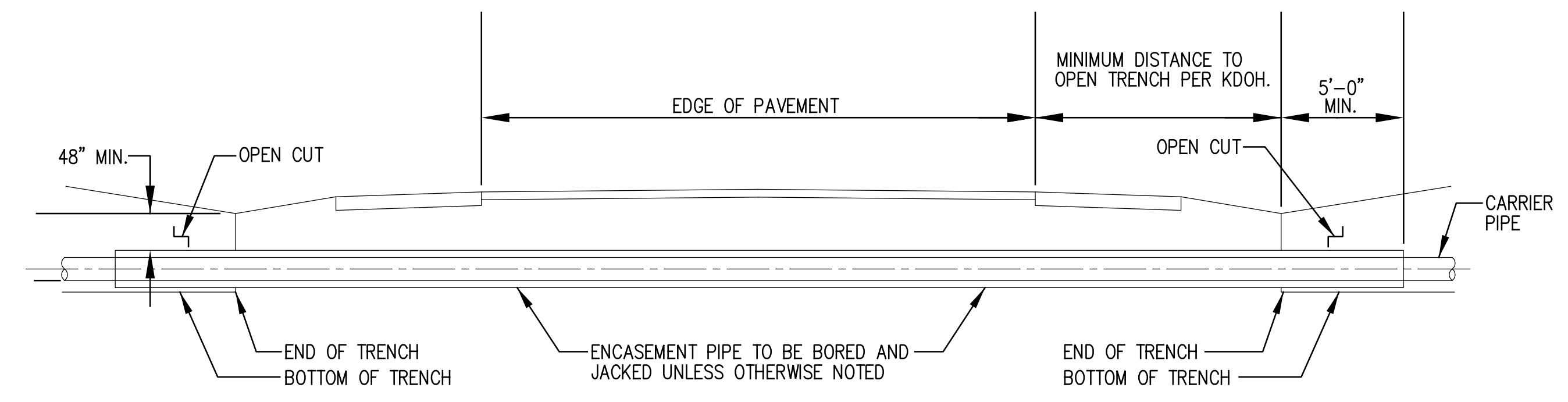
**STANDARD DETAILS**  
SANITARY SEWER COLLECTION SYSTEM EXPANSION  
PHASE ONE - CONTRACT No. 39



**DETAIL - CREEK CROSSING**  
NOT TO SCALE



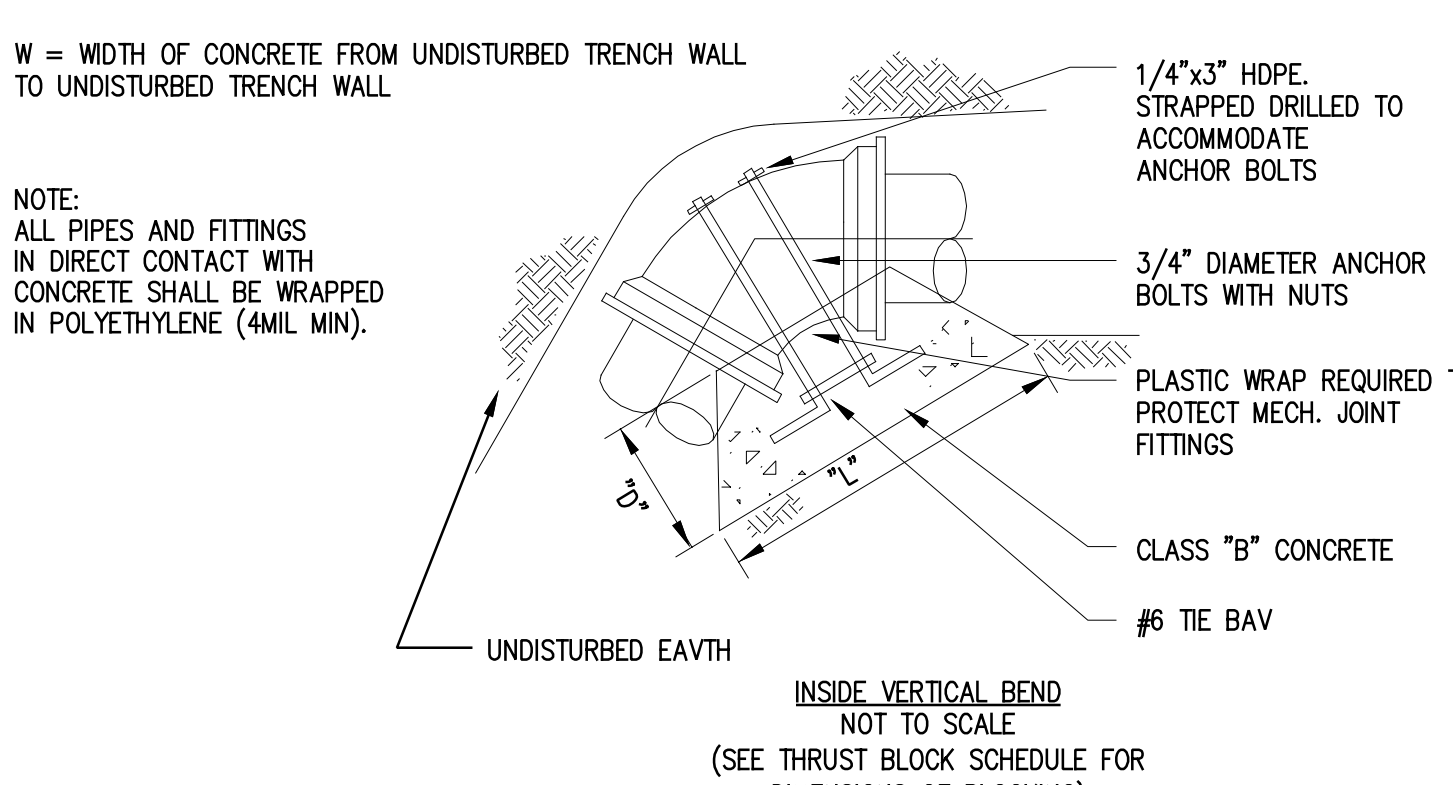
**STEEL ENCASEMENT AND ASSEMBLY**  
NOT TO SCALE



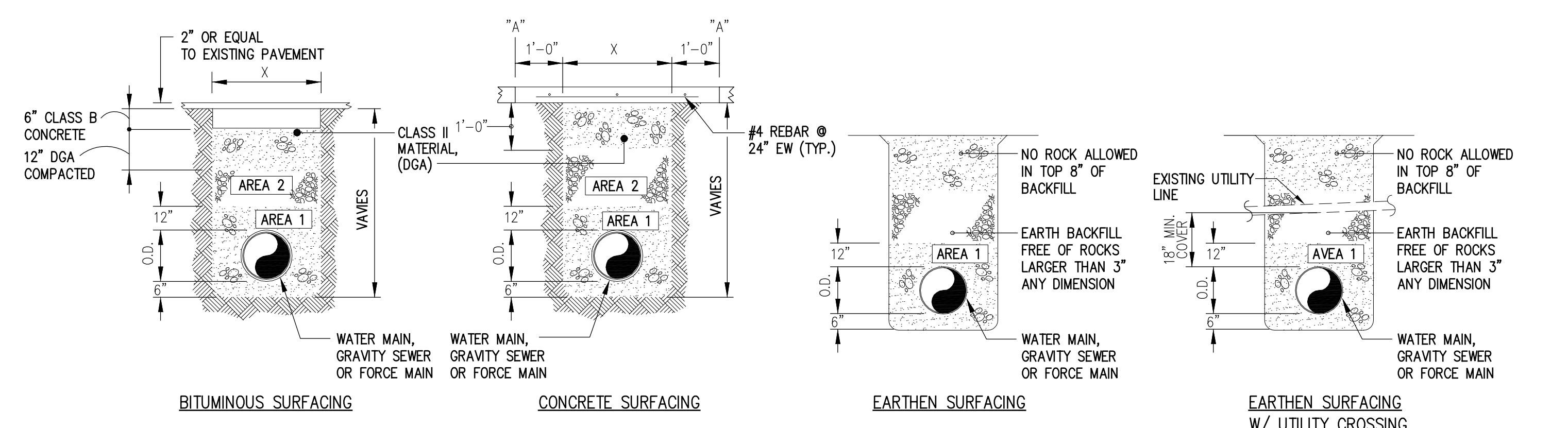
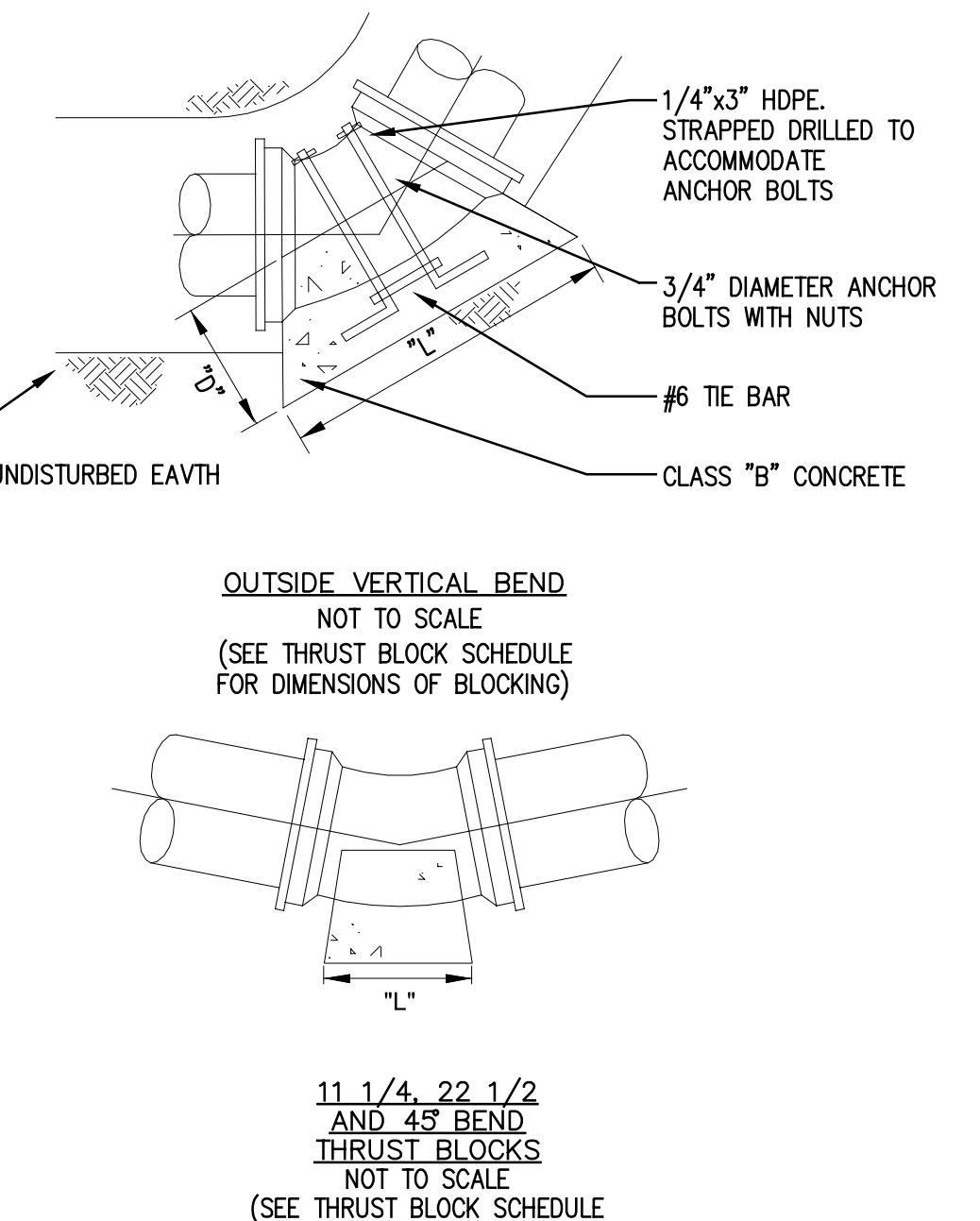
**CROSS SECTION OF ENCASED ROAD CROSSING - (TYP.)**  
NOT TO SCALE

**THRUST BLOCK SCHEDULE**

SIZE	90° BEND			45° BEND			22 1/2° BEND			11 1/4° BEND			TEE & END MAIN		
	D	W	L	D	W	L	D	W	L	D	W	L	D	W	L
2"	6"	10"	4"	4"	7"	3"	4"	7"	3"	4"	7"	3"	6"	10"	4"
3"	6"	10"	8"	4"	8"	6"	4"	8"	3"	4"	8"	3"	6"	10"	6"
4"	6"	11"	9"	6"	11"	7"	4"	9"	5"	4"	9"	3"	6"	11"	8"
6"	8"	15"	13"	6"	13"	12"	4"	11"	8"	4"	11"	4"	8"	15"	10"
8"	10"	21"	19"	8"	17"	17"	6"	15"	10"	4"	13"	6"	10"	11"	21"



**THRUST BLOCKING**  
NOT TO SCALE



- NOTES:
- AREA 1 MATERIAL: WATER MAIN, GRAVITY SEWER AND FORCE MAIN = NO. 9 CRUSHED STONE.
  - AREA 2 = NO. 9 CRUSHED STONE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE TRENCH SURFACE IN A CONDITION SUITABLE FOR VEHICULAR TRAFFIC.
  - REPLACE BITUMINOUS PAVEMENT WITH SAME TYPE AND THICKNESS (2" MIN.) AS EXISTING PAVEMENT.
  - IF ROCK IS ENCOUNTERED, A MINIMUM OF 6" NO. 9 CRUSHED STONE MUST BE PLACED UNDER THE ENCASEMENT PIPE (IF OPEN CUT).
  - X = MAX. WIDTH OF TRENCH AT SURFACE UNDER NORMAL CONDITIONS (2' + PIPE O.D.).
  - FROM POINTS "A" TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE AT LEAST SIX (6) FEET OR MORE, IF LESS THAN SIX (6) FEET REMOVE PAVEMENT TO JOINT OR BREAK AND REPLACE ENTIRE SLAB.

**PIPE BEDDING AND BACKFILLING**  
NOT TO SCALE

Alan R. Robinson  
Professional Engineer  
No. 23,414

SCALE:	DESIGNED BY:	N.T.S.	DATE:
DRAWN BY:	ARR:	ARR	BY:
CHECKED BY:	ARR	ARR	REVISION:
PROJECT NO.:	19016	ARR	
DATE:	AUGUST 2020	ARR	
CAD DWG ID:	JOB 19016 SANITARY SEWER	ARR	

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WATER DISTRICT  
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