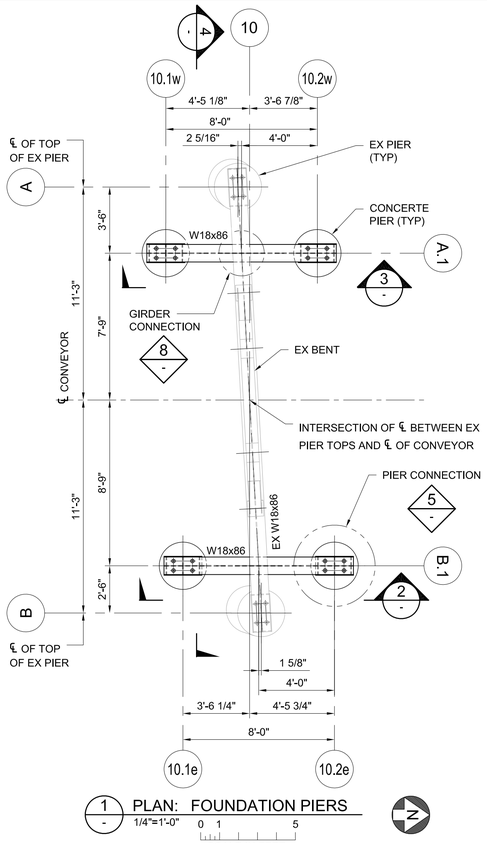
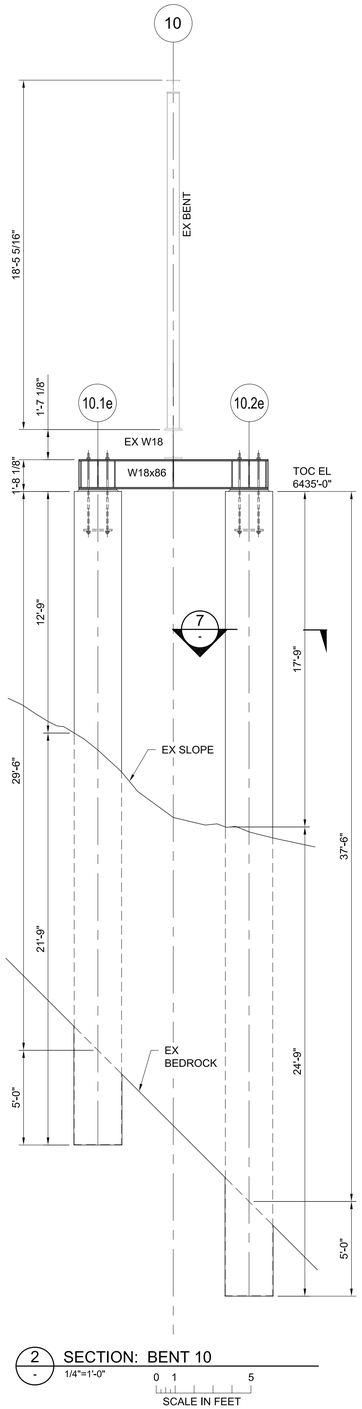
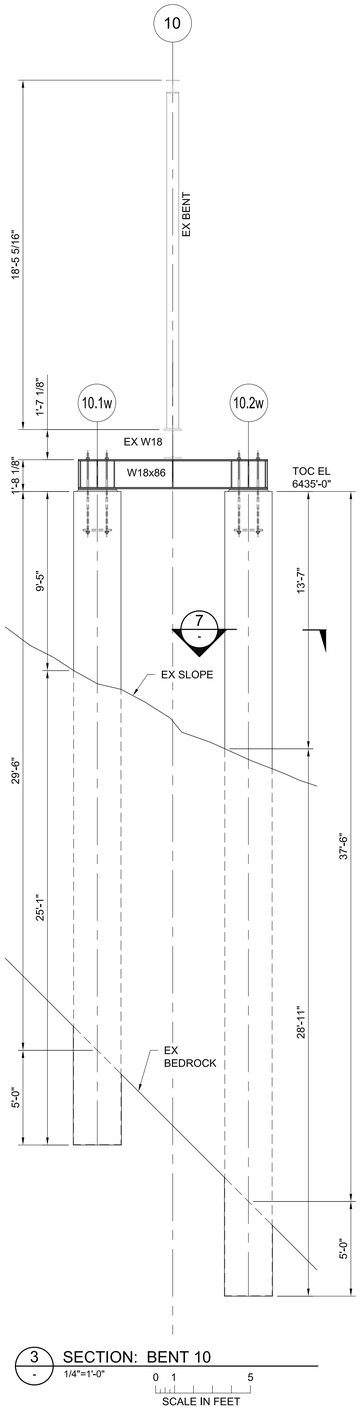


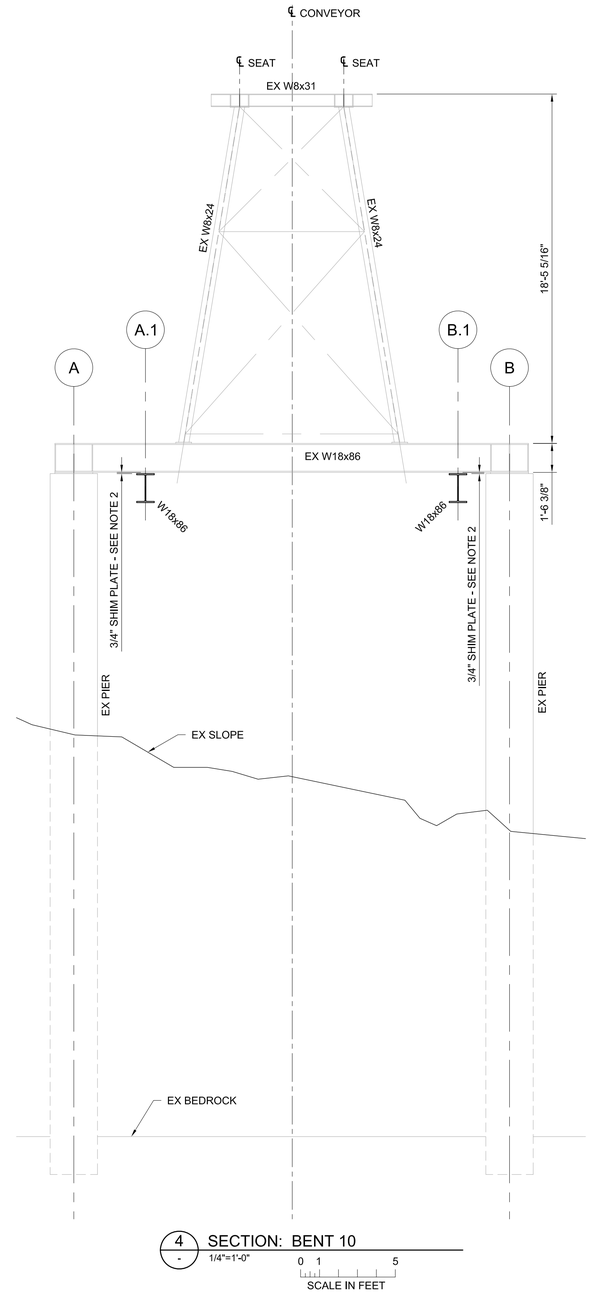
1 - PLAN: FOUNDATION PIERS
1/4"=1'-0"
0 1 5
SCALE IN FEET



2 - SECTION: BENT 10
1/4"=1'-0"
0 1 5
SCALE IN FEET



3 - SECTION: BENT 10
1/4"=1'-0"
0 1 5
SCALE IN FEET

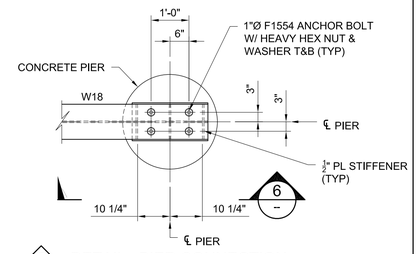


4 - SECTION: BENT 10
1/4"=1'-0"
0 1 5
SCALE IN FEET

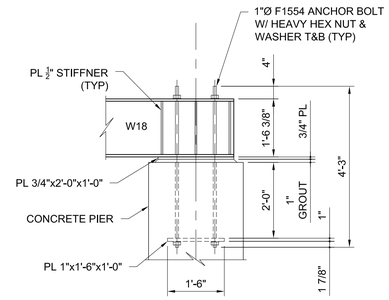
NOTES:

1. FIELD VERIFY SITE CONDITIONS AND DIMENSIONS BEFORE FABRICATION OR ASSEMBLY.
2. SHIM PLATE INTENDED TO ACCOUNT FOR VARIABILITY IN ELEVATION OF EXISTING W18 GIRDER. REQUIRED SHIM PLATE THICKNESS SHOULD BE VERIFIED BASED ON EXISTING FIELD CONDITIONS.

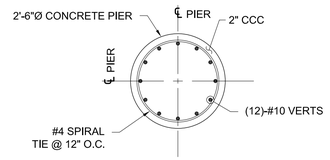
ABBREVIATIONS:			
Ø	DIAMETER	NTS	NOT TO SCALE
BO	BOTTOM OF	NOM	NOMINAL
CCC	CLEAR CONCRETE COVER	OC	ON CENTER
℄	CENTER LINE	OD	OUTSIDE DIAMETER
EL	ELEVATION	PSF	POUNDS PER SQUARE FOOT
EW	EACH WAY	PSI	POUNDS PER SQUARE INCH
EX	EXISTING	R	RADIUS
GW	GROUND WATER	T&B	TOP AND BOTTOM
GR	GRADE	TOC	TOP OF CONCRETE
ID	INSIDE DIAMETER	TYP	TYPICAL
KIPS	THOUSAND POUNDS	UNO	UNLESS NOTED OTHERWISE
KN	KILONEWTON	STD	STANDARD
KN-M	KILONEWTON-METER	W/	WITH
KSI	KIPS PER SQUARE INCH	@	AT
MAX	MAXIMUM		
MIN	MINIMUM		



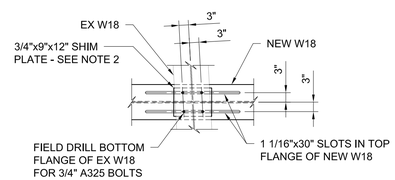
5 - DETAIL: PIER CONNECTION
1/2"=1'-0"
TYP 4 PLACES



6 - SECTION: PIER CONNECTION
1/2"=1'-0"



7 - SECTION: PIER
1/2"=1'-0"
TYP



8 - DETAIL: GIRDER CONNECTION
1/2"=1'-0"
TYP 4 PLACES

MIN 28-DAY COMPRESSIVE STRENGTH CONCRETE:
5,000 PSI

MIN YIELD STRENGTH OF REINFORCING BAR:
60 KSI

MIN YIELD STRENGTH OF ANCHOR BOLTS:
55 KSI

MIN 7-DAY COMPRESSIVE STRENGTH OF NON-SHRINK GROUT:
8,000 PSI

MIN YIELD POINT STRENGTH OF STRUCTURAL SECTIONS AND PLATE:
50 KSI

PRELMINARY
NOT FOR CONSTRUCTION

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
B	CAK	CAK	CAK	04/22/2022	ISSUED FOR REVIEW
A	CAK	CAK	CAK	03/25/2022	INITIAL ISSUE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF COLORADO.

PRINTED NAME .
SIGNATURE
DATE . LICENSE # .

CLIENT	03/25/2022	04/22/2022						
REVIEW	03/25/2022	04/22/2022						
BID								
CONSTRUCTION								
RECORD								
RELEASED TO/FOR	A	B	C	0	1	2	3	
	DATE RELEASED							

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Scale	AS SHOWN
Date	03/22/2022
Drawn	CAK
Checked	---
Designed	CAK
Approved	CAK

MOUNTAIN COAL COMPANY
SOMERSET, COLORADO

2022 C-1 CONVEYOR MODIFICATIONS
WEST ELK MINE

BENT 10 STRUCTURAL MODIFICATIONS
PLAN, SECTION AND DETAILS

BARR PROJECT No.	
06261012.01	
CLIENT PROJECT No.	
DWG. No.	REV. No.
S-01	B

CADD USER: DEAN KEMMER FILE: O:\ADEPT\WORK\CAK\06261012_S-01_LINE 10.DWG PLOT SCALE: 1:1 PLOT DATE: 4/22/2022 3:28 PM