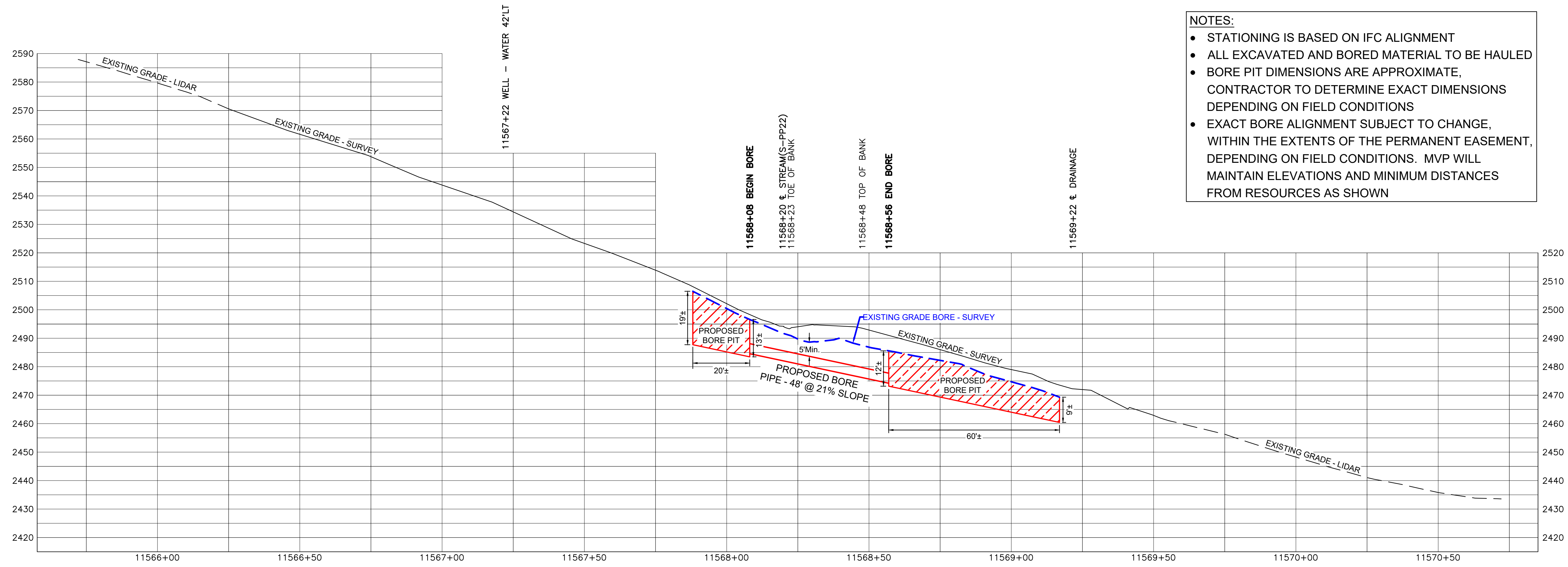
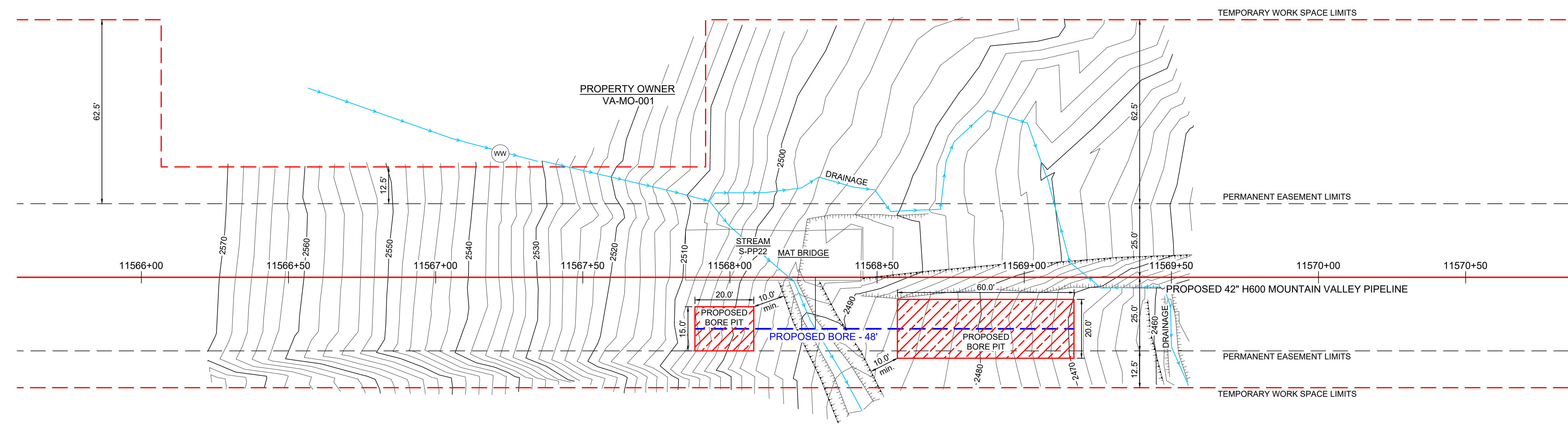
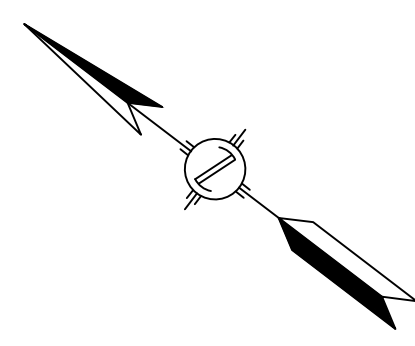


APPENDIX K WATER CROSSING PLANS



NOTES:

- STATIONING IS BASED ON IFC ALIGNMENT
- ALL EXCAVATED AND BORED MATERIAL TO BE HAULED
- BORE PIT DIMENSIONS ARE APPROXIMATE, CONTRACTOR TO DETERMINE EXACT DIMENSIONS DEPENDING ON FIELD CONDITIONS
- EXACT BORE ALIGNMENT SUBJECT TO CHANGE, WITHIN THE EXTENTS OF THE PERMANENT EASEMENT, DEPENDING ON FIELD CONDITIONS. MVP WILL MAINTAIN ELEVATIONS AND MINIMUM DISTANCES FROM RESOURCES AS SHOWN

LEGEND

	PROPOSED H600 PIPELINE		MAILBOX
	PROPOSED PERMANENT EASEMENT		FIRE HYDRANT
	TEMPORARY WORK SPACE		GUY ANCHOR - POWER POLE
	ACCESS ROAD		LINE MARKER
	ROAD RIGHT-OF-WAY		SIGN
	PROPERTY LINE		CULVERT
	FENCE		PIPELINE
	TOP OF BANK		WATERMAIN
	TOE OF BANK		OVERHEAD POWER LINE
	STREAM		WETLAND BOUNDARY
	CULVERT		

PROJECTION: UTM ZONE 17
HORIZONTAL DATUM: NAD 83 US SURVEY FEET
VERTICAL DATUM: NAVD88

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
PA-MOVA-H600-01	ALIGNMENT SHEET

REVISIONS

REV	BY	DATE	DESCRIPTION
0	HEI	05/26/20	PRELIMINARY FOR REVIEW
1	HEI	06/24/20	ISSUED FOR REVIEW - ADDED BORE INFORMATION
2	HEI	01/27/21	REVISED BORE PIT DEPTHS & BORE % OF SLOPE

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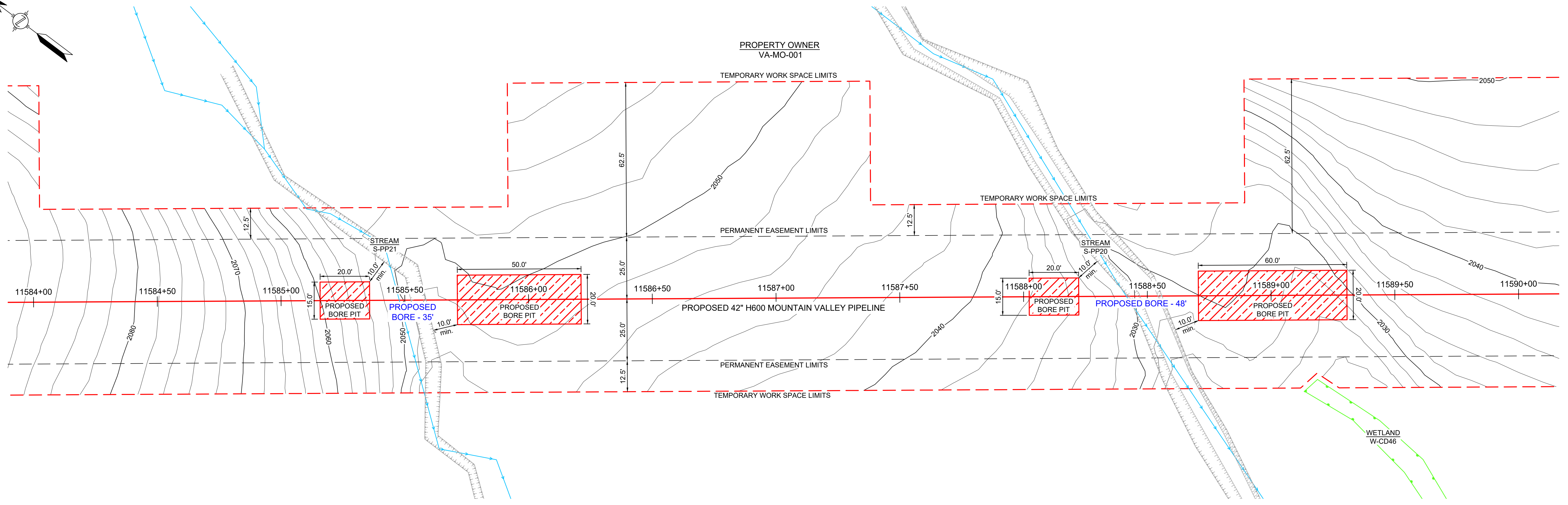
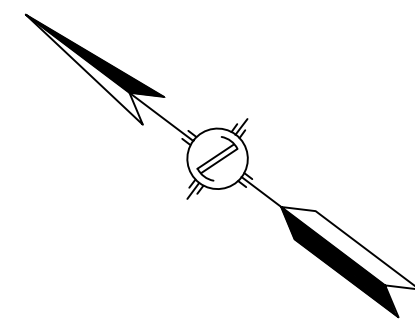
APPROVED FOR BIDDING		APPROVED FOR CONSTRUCTION	
REV.	DATE	REV.	DATE

VERT & HORZ. SCALE: 1" = 20'

DRAWN BY: HEI(DRF)	5/26/2020
DRAFTING CK:	
ENGINEERING CK:	
UIE JOB NO.:	
AFE/P.O. NO.:	
HEI PROJECT NO.:	14-10-052
UIE FILE NO.:	
DRAWING NO.:	PP-H600-022
SHEET 1 OF 1	REV. 2
DATE OF PLOT:	1/27/2021 8:20 AM

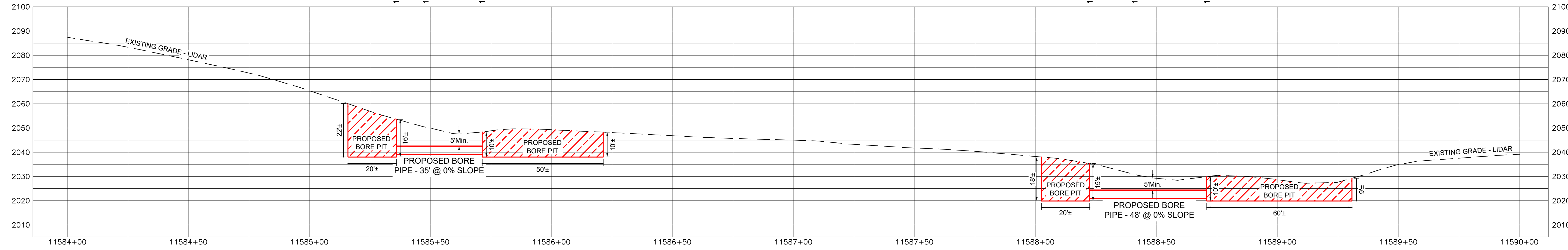
Mountain Valley PIPELINE

PLAN & PROFILE
STATION 11566+00 TO 11570+50
MVP PIPELINE PROJECT
PROPOSED H600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA



- NOTES:**
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11585+36 BEGIN BORE
 11585+48 ± STREAM(S-PP21)
 11585+71 END BORE
 11588+22 BEGIN BORE
 11588+41 ± STREAM(S-PP20)
 11588+70 END BORE



LEGEND

	PROPOSED H600 PIPELINE		MAILBOX
	PROPOSED PERMANENT EASEMENT		FIRE HYDRANT
	TEMPORARY WORK SPACE		GUY ANCHOR - POWER POLE
	ACCESS ROAD		LINE MARKER
	ROAD RIGHT-OF-WAY		SIGN
	PROPERTY LINE		CULVERT
	FENCE		PIPELINE
	TOP OF BANK		WATERMAIN
	TOE OF BANK		OVERHEAD POWER LINE
	STREAM		WETLAND BOUNDARY
	CULVERT		

PROJECTION: UTM ZONE 17
 HORIZONTAL DATUM: NAD 83 US SURVEY FEET
 VERTICAL DATUM: NAVD88

REFERENCE DRAWINGS		REVISIONS			
DRAWING NUMBER	TITLE	REV	BY	DATE	DESCRIPTION
PA-MOVA-H600-01	ALIGNMENT SHEET	0	HEI	05/18/20	PRELIMINARY FOR REVIEW
		1	HEI	06/09/20	ISSUED FOR REVIEW - ADDED BORE INFORMATION

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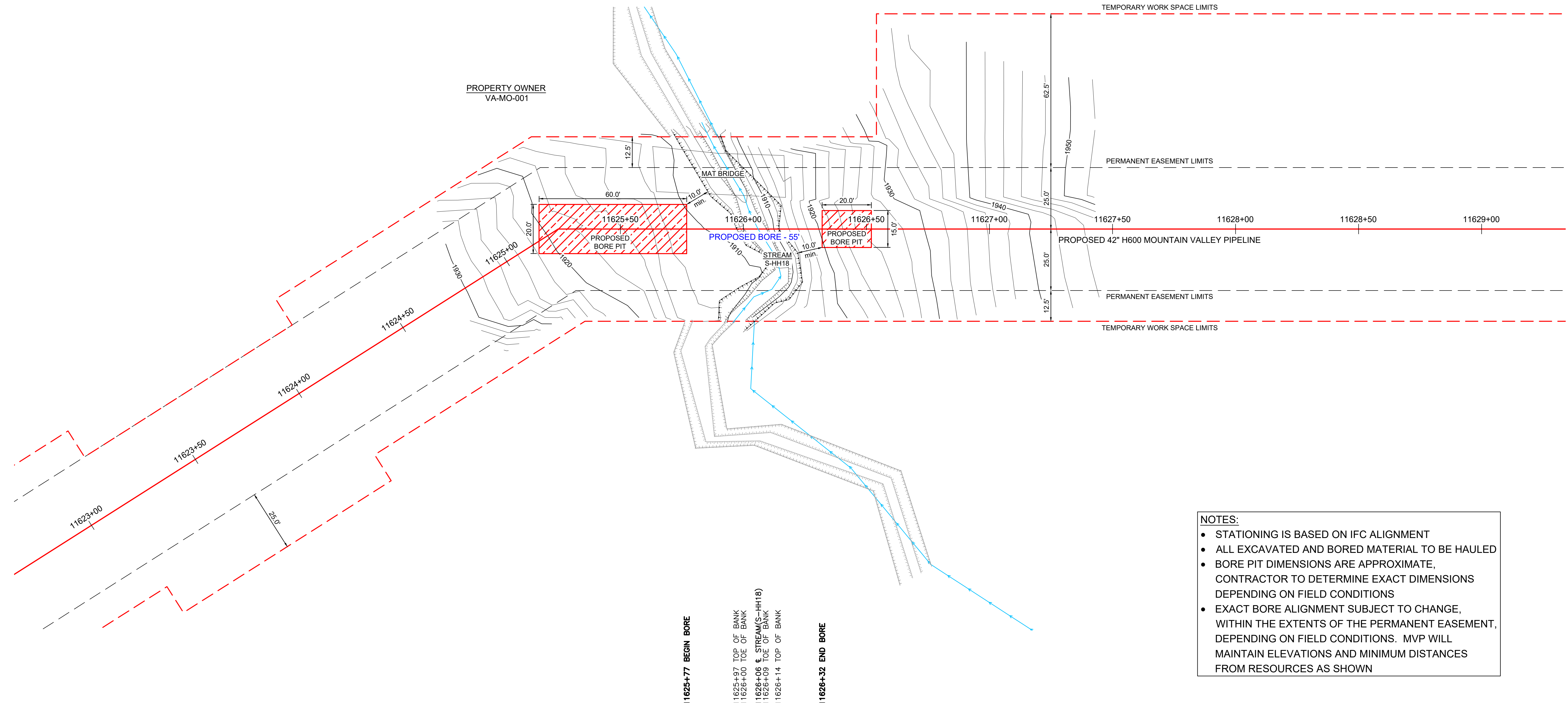
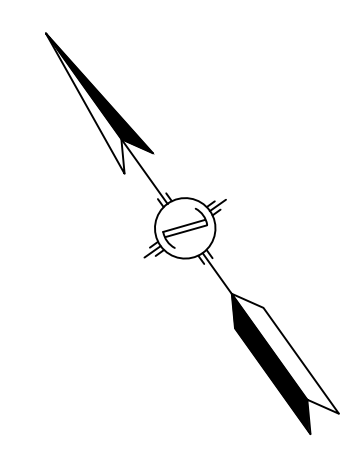
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APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE

VERT & HORZ. SCALE: 1" = 20'
 DRAWN BY: HEI(AJN) 5/18/2020
 DRAFTING CK: .
 ENGINEERING CK: .
 UEI JOB NO.:
 AFE/P.O. NO.:
 HEI PROJECT NO.: 14-10-052
 UEI FILE NO.:
 DRAWING NO.: **PP-H600-116**
 SHEET 1 OF 1 REV. 1
 DATE OF PLOT: 6/9/2020 5:23 PM

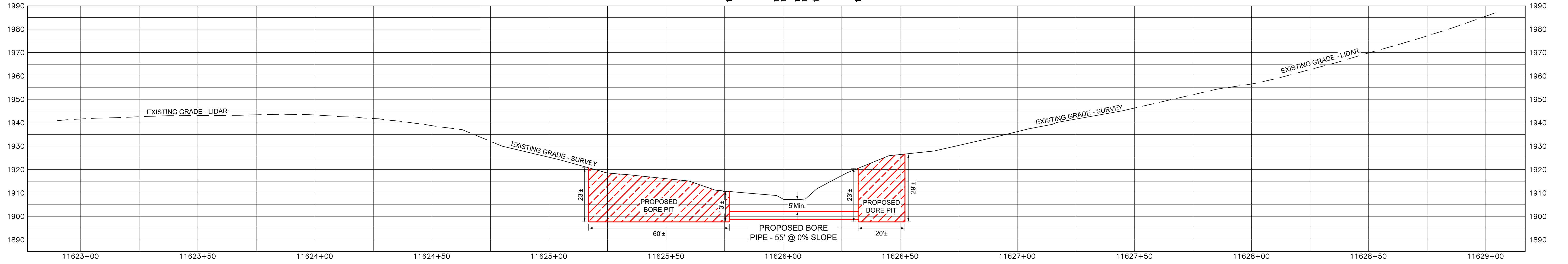
Mountain Valley PIPELINE

PLAN & PROFILE
STATION 11584+00 TO 11590+00
MVP PIPELINE PROJECT
PROPOSED H600 PIPELINE
MONTGOMERY COUNTY, VIRGINIA



NOTES:

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LEGEND

	PROPOSED H600 PIPELINE		MAILBOX
	PROPOSED PERMANENT EASEMENT		FIRE HYDRANT
	TEMPORARY WORK SPACE		GUY ANCHOR - POWER POLE
	ACCESS ROAD		LINE MARKER
	ROAD RIGHT-OF-WAY		SIGN
	PROPERTY LINE		CULVERT
	FENCE		PIPELINE
	TOP OF BANK		WATERMAIN
	TOE OF BANK		OVERHEAD POWER LINE
	STREAM		WETLAND BOUNDARY
	CULVERT		

PROJECTION: UTM ZONE 17
HORIZONTAL DATUM: NAD 83 US SURVEY FEET
VERTICAL DATUM: NAVD88

REFERENCE DRAWINGS

DRAWING NUMBER	TITLE
PA-MOVA-H600-02	ALIGNMENT SHEET

REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	05/26/20	PRELIMINARY FOR REVIEW
1	HEI	06/24/20	ISSUED FOR REVIEW - ADDED BORE INFORMATION

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APPROVED FOR BIDDING		APPROVED FOR CONSTRUCTION	
REV.	DATE	REV.	DATE

VERT & HORZ. SCALE: 1" = 20'

DRAWN BY: HEI(DRF) 5/26/2020

DRAFTING CK: .

ENGINEERING CK: .

UEI JOB NO.: .

AFE/PO NO.: .

HEI PROJECT NO.: 14-10-052

UEI FILE NO.: .

DRAWING NO.: PP-H600-023

SHEET 1 OF 1 REV. 1

DATE OF PLOT: 6/24/2020 4:57 PM

Mountain Valley PIPELINE

PLAN & PROFILE

STATION 11623+00 TO 11629+00

MVP PIPELINE PROJECT

PROPOSED H600 PIPELINE

MONTGOMERY COUNTY, VIRGINIA