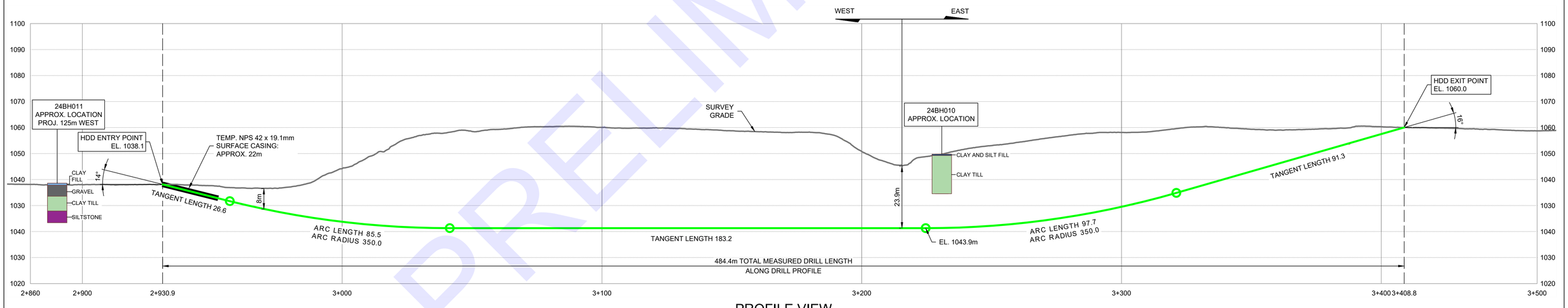
PLAN VIEW

SCALE 1:750



PROFILE VIEW

HORIZONTAL SCALE 1:750
VERTICAL SCALE 1:750

18" HDPE DESIGN PARAMETERS	
THEORETICAL PULL FORCE WITH BUOYANCY (lbs)	66,145
MAX. PULL FORCE WITHOUT BUOYANCY (lbs)	106,063

18" HDPE WASTE VOLUME AND SOURCE WATER ASSESSMENT	
APPROX. TOTAL WASTE PROFILE (m^3)	- (-% SOLIDS CONTENT)
SOURCE WATER (m^3)	-

18" HDPE CROSSING PIPE SPECIFICATION	
OUTSIDE DIAMETER (OD)(mm)	457.2
INSIDE DIAMETER (ID)(mm)	355.6
WALL THICKNESS (WT)(mm)	50.8
DR	9
MATERIAL	HDPE
SPECIFICATIONS	IPS
COATING	-
MEDIUM CARRIED	WATER

18" HDPE DRILLING SPECIFICATIONS	
DRILLING INSTALLATION METHOD	MUD MOTOR
MIN. FINAL BOREHOLE DIAMETER (mm)	762 (30")
RIG SIZE (lbs)	220,000
30m RADIUS (m)	200
MAX. DOGLEG (DEG/30m)	8.59

BLUEFOX ENGINEERING

NOT FOR CONSTRUCTION

ENGINEERING STAMP AND PERMIT

DRAWING NAME	DATE
1306012005-C-DES (ACAD)	-
1306012005-FORW-PH1-RFP (PDF)	2024-07-08

REFERENCE DRAWINGS

NOTES

REV	DESCRIPTION	DATE	DRN	CHK	DES	ENG	APPR
A	ISSUED FOR RFP	2024-07-19	TM	PP	TM	PP	BV

REVISIONS

Okotoks

FOOTHILLS OKOTOKS REGIONAL
WATER PROJECT -PIPELINE PHASE 1

SLOPE

HDD CROSSING

18" HDPE HDD PLAN AND PROFILE

LSD: SW SEC.28-20-29 W4M OKOTOKS, ALBERTA

DWG NO. 23698-02-DW01 | SHEET 1 OF 1

REV A

PRELIMINARY