

# **DRAFT LOCATION PLAN - SOLDIER PILE AND LAGGING WALL AND SUB-HORIZONTAL RELIEF DRAINS**

## **NOTES:**

- 1.) SUB-HORIZONTAL DRAINS TO BE INSTALLED AT APPROXIMATE WALL LOCATION ON 25 FOOT C-C SPACING.
- 2.) CONCEPT DEPICTED ASSUMES WORK IS CONDUCTED INSIDE ODNR L/D.
- 3.) SUB-HORIZONTAL DRAIN LOCATIONS AND DRILLING PROGRAM SUBJECT TO MODIFICATION AND FIELD ADJUSTMENT BY THE ENGINEER TO AVOID INTERCEPTING EXISTING SITE FEATURES INCLUDING INCLINOMETERS AND MONITORING WELLS AND FOR ACCESS AND CONTRACTIBILITY CONSIDERATIONS.

PREPARED BY: EHB, 3/6/2020

CHECKED BY: DRG, 3/6/2020

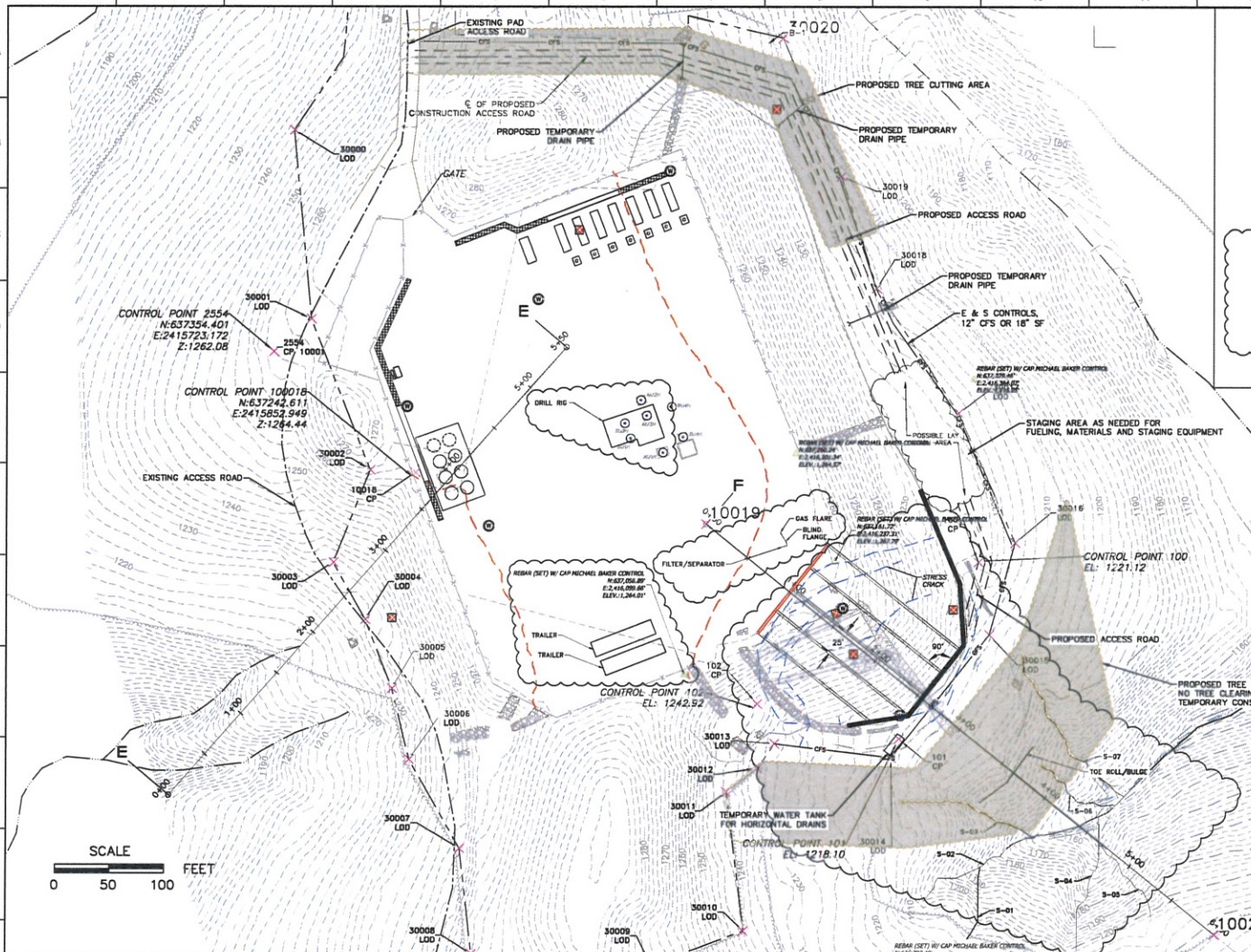
## **NOTE:**

1. SITE WELL PAD EQUIPMENT AND SLIP AREA TOPOGRAPHY UPDATED WITH SURVEY FROM MICHAEL BAKER INTL. DATED APRIL 3, 2020. GAS FLARE AND RELATED FEATURES HAVE BEEN RELOCATED OUTSIDE OF THE APPROXIMATE 30' BUFFER ZONE.

INSTALL SUB-HORIZONTAL DRAINS IN PARALLEL AT 51 DEGREES WEST OF NORTH AS SHOWN

## **LEGEND**

- LIMITS OF DRILLING FOR SUB-HORIZONTAL RELIEF DRAINS
- NEW SUB-HORIZONTAL RELIEF DRAINS AND HOLE LOCATIONS
- PROPOSED SOLDIER PILE AND LAGGING WALL



## **NOTES:**

1. PROPOSED PROCESS EQUIPMENT DEPICTED FOR INFORMATION ONLY. REFER TO PLOT PLAN C161-MN008-L-XF-2001, REV A BY EDC CONSULTING ENGINEERS DATED 10/16/2019.
2. THIS PLAN SHEET WAS CREATED USING AN EQUINOR SUPPLIED CAD FILE C161-MN008-Q-YF-0001\_REV 01 AS THE SOURCE FILE.
3. SITE WELL PAD AND SOUTHEAST STREAM AREA UPDATED BASED ON MICHAEL BAKER INTL. SURVEY DATED 01/13/2020.
4. LIMITS OF DISTURBANCE WAS CREATED USING AN EQUINOR SUPPLIED CAD FILE C161-MN008-Q-YF-0001\_01\_1 AND MATCHES THE LIMITS OF DISTURBANCE ON THE LARSON DESIGN GROUP 2014 CONSTRUCTION DRAWINGS

HORIZ. DATUM: NAD 83  
VERT. DATUM: NAVD 88  
STATE PLANE: NAD 83 OHIO STATE PLANE,  
SOUTH ZONE, US FOOT.

**Michael Baker**  
INTERNATIONAL

## **LEGEND**

- MBI TEST BORINGS
- CONTROL POINT
- LOG TEST BORINGS
- STREAM
- MAJOR CONTOUR
- MINOR CONTOUR
- FENCE
- CUTFILL LINE
- CROSS SECTION
- TREE LINE
- STRESS CRACK

REV.	DATE	REASON FOR ISSUE	PREPARED	CHECKED	APPROVED
2	4/8/2020	ADDED SURVEY INFORMATION FOR SLIP AREA AND STREAMS	RWM	EHB	JNZ
1	3/20/2020	ADDED ACCESS ROAD, E & S CONTROL AND STORAGE TANKS	RWM	EHB	JNZ

**equinor**

**WEFLER UTICA W.P.**

DRAWING TITLE:  
**PLAN - PROPOSED SOLDIER PILE AND LAGGING WALL AND SUB-HORIZONTAL RELIEF DRAINS**

1 OF 1

DRAWING NUMBER