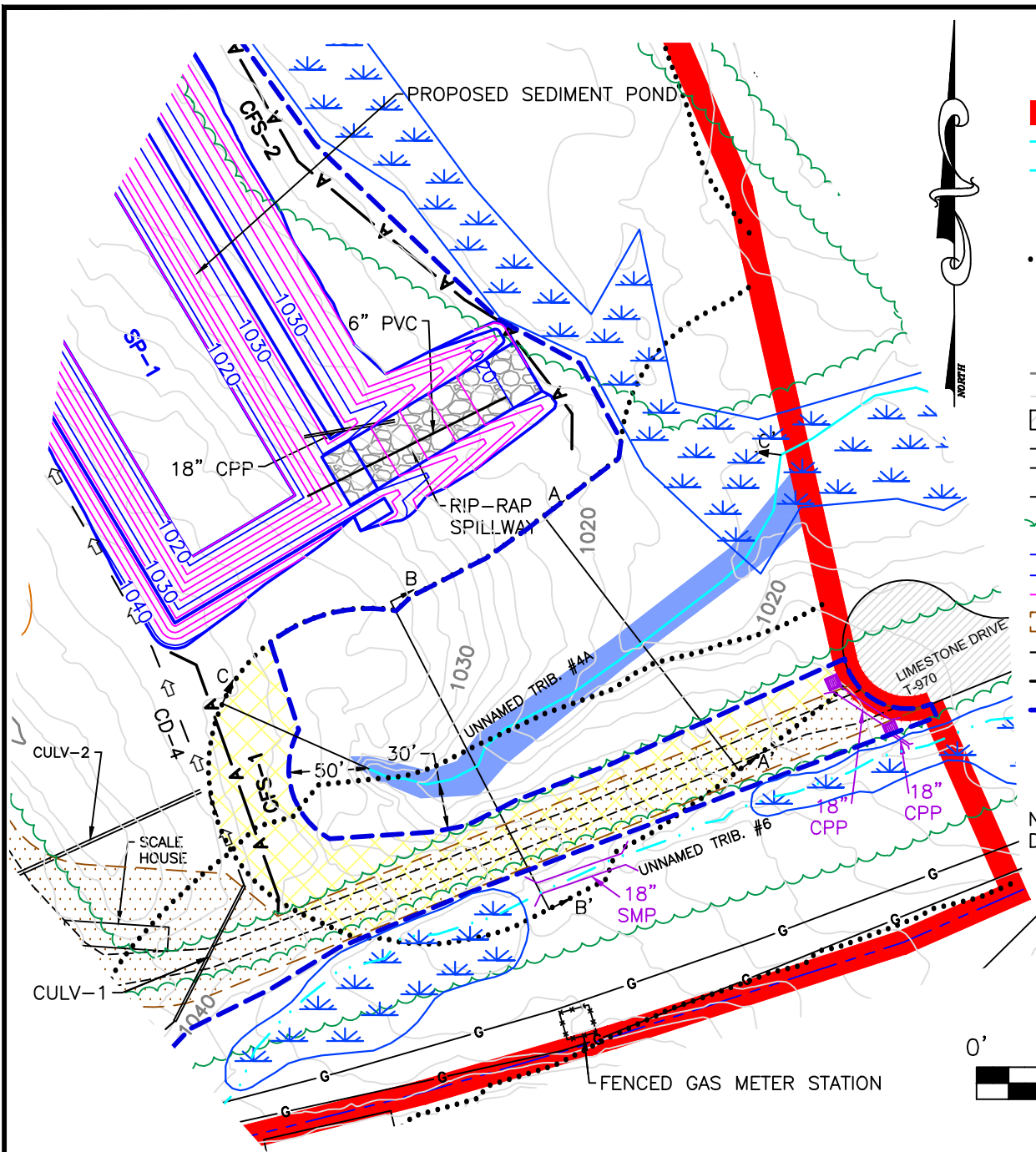


U:\Mining\Permits\Ligonier Stone & Lime\SMT East\DWG&DATA\LS&L-SMT East.dwg, 14.1(1), 1/5/2022 2:51:06 PM, cyoder, DWG To PDF.pc3



LEGEND

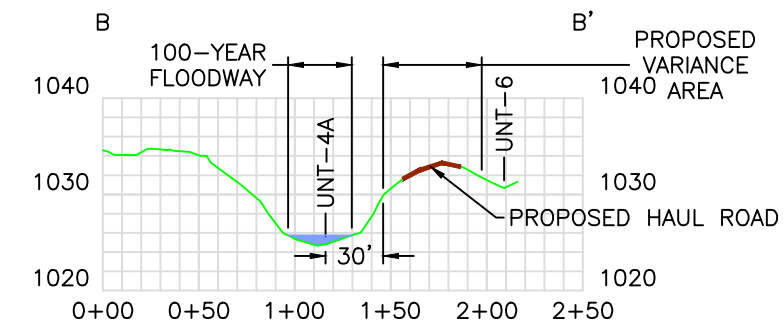
- PROPOSED PERMIT LINE
- EXISTING STREAM
- EXISTING INTERMITTENT STREAM
- WETLAND (SEE WETLAND DELINEATION REPORT)
- 100' STREAM BARRIER PER §77.504
- PROPOSED STREAM VARIANCE AREA
- EXISTING 100-YEAR FLOODWAY
- EXISTING PASDA CONTOURS (2' INTERVAL)
- EXISTING IMPROVED ROAD
- EXISTING UNIMPROVED ROAD
- EXISTING GAS LINE
- EXISTING TREE LINE
- EXISTING PROPERTY LINE
- PROPOSED CONTOURS (2' INTERVAL)
- PROPOSED HAUL ROAD (PAVED)
- PROPOSED COLLECTION DITCH
- PROPOSED COMPOST FILTER SOCK
- PROPOSED LIMIT OF DISTURBANCE
- EXISTING INLET BOX & CULVERT

NOTE: THE EXISTING 100-YEAR FLOODWAY WAS DETERMINED USING HEC-RAS SOFTWARE.

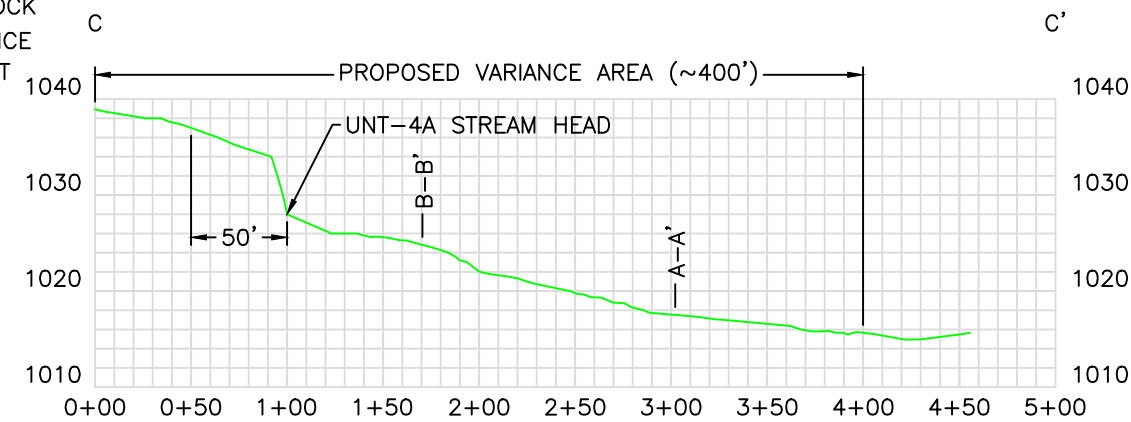
GRAPHIC SCALE



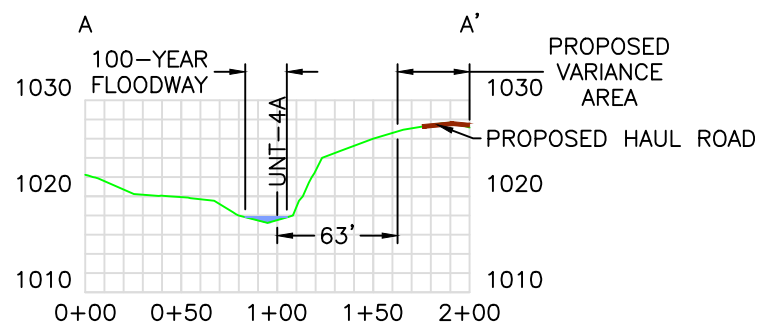
1 inch = 100 ft.



CROSS-SECTION B-B'
HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=20'



CROSS-SECTION C-C'
HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=20'



CROSS-SECTION A-A'
HORIZONTAL SCALE: 1"=100'
VERTICAL SCALE: 1"=20'

DRAINAGE AREA AT VARIANCE:
BEFORE MINING E&S INSTALLATION = 11.8 ACRES

DRAWING FILE NAME: LS&L-SMT East.dwg			
NO.	DATE	DESCRIPTION	BY
2	1-4-2022	REVISIONS - 10.22.21 DEP LETTER	CGY
1	1-25-2021	FULL APPLICATION SUBMITTAL	CGY

EXHIBIT 14.1(1)

STREAM VARIANCE #1 MAP
LIGONIER STONE & LIME COMPANY
SMT EAST SURFACE MINE
DERRY TOWNSHIP, WESTMORELAND COUNTY

SCALE: 1" = 100' DATE: JANUARY 2022

Earthtech, Inc.
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