



- NOTES:**
1. THE BASE MAP HAS BEEN CREATED USING AVAILABLE AERIAL PHOTOGRAPHY PROVIDED BY BING IMAGERY. EXISTING TOPOGRAPHY PROVIDED BY ROBINSON AERIAL SURVEYS, INC. DATED 8/20/2020.
 2. PROPERTY LINES AND BASE MAPPING PROVIDED BY ROBINSON AERIAL SURVEYS, INC. DATED 08/20/2020 AND BARRY ISETT & ASSOCIATES, INC. DATED NOVEMBER 2015.
 3. STREAMS AND WETLANDS LOCATIONS PROVIDED BY BARRY ISETT & ASSOCIATES, INC. DATED APRIL 2020.
 4. THIS PLAN IS IN THE PENNSYLVANIA STATE PLANE SOUTH, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.

LEGEND

NOTE: LEGEND IS TYPICAL. NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.

	EXISTING CONTOURS
	EXISTING PROPERTY LINE
	EXISTING ADJOINER
	EXISTING IRON PIN
	EXISTING MUNICIPAL BOUNDARY
	RIPARIAN BUFFER
	EXISTING EPHEMERAL/STORMWATER CHANNEL
	EXISTING INTERMITTENT CHANNEL
	EXISTING WATERCOURSE
	EXISTING SEDIMENT BASIN
	EXISTING WETLANDS
	CHAPTER 105 FLOODWAY (50' FROM TOP OF BANK)
	FEMA FLOODPLAIN
	FEMA FLOODWAY
	EXISTING PAVED ROAD
	EXISTING GRAVEL ROAD
	EXISTING GUIDERAIL
	EXISTING FENCE
	EXISTING SEWER LINE
	EXISTING WATER LINE
	EXISTING ELECTRIC OVERHEAD LINE
	EXISTING TREELINE
	EXISTING BUILDING
	EXISTING WALL
	EXISTING CULVERT
	EXISTING UTILITY POLE
	EXISTING MANHOLE
	EXISTING NPDES PERMIT BOUNDARY
	PROPOSED NPDES PERMIT BOUNDARY
	PROPOSED CONTOURS
	PROPOSED CHANNEL

This Drawing shall not be used for tender or construction unless sealed.

"I, Brian Charles Bonner, P.E. do hereby certify to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports have been prepared in accordance with accepted engineering practice, is true and correct, and is in conformance with Chapters 102 and 105 of the rules and regulations of the Department of Environmental Protection."

BRIAN CHARLES BONNER, P.E. - 074837

ARM Group LLC
Engineers and Scientists
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1/03/2021	ARM	By:
07/13/2021	ARM	Date:
05/14/2021	ARM	Revision:
No.		

AS NOTED	KEM	12/04/2020
20010423	BCB	12/04/2020
	TMR	

CHANNEL 2 LOWER ENHANCEMENT PLAN AND PROFILE, EROSION AND SEDIMENT CONTROL PLAN

BETHLEHEM TOWNSHIP AND FREEMANSBURG BOROUGH NORTHAMPTON COUNTY, PA

PRE-ACT QUARRY RECLAMATION BARNSDALE ASSOCIATES LLC

Sheet 25

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