



LEGEND

- PROPERTY BOUNDARY
- PERMIT BOUNDARY (141 ACRES)
- LIMIT OF MINING (82 ACRES)
- INTERIM MINING LIMIT (EAST SIDE OF QUARRY)
- EXISTING GRADE CONTOUR
- EXISTING SURFACE WATER
- PRE-ACT HIGHWALL
- DIKES (SURVEYED)
- ADJACENT PROPERTY BOUNDARIES
- # FAULT EL: 74.69
- SURVEYED FAULT LOCATION (CREWS SURVEYING LLC 9/22/14)
- PROPOSED RECLAMATION CONTOURS (10-FT INTERVALS)
- #1 RECLAMATION GRADE/FILL STAKES
- BUILDING
- NPDES DISCHARGE POINT
- A-A' CROSS SECTION LOCATION
- FENCE

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

NOTES:
 1. MAPPING COMPILED BY NOR EAST MAPPING, INC. BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY ON JANUARY 03, 2016. THE ACTIVE QUARRY AREA HAS BEEN UPDATED BY CREWS SURVEYING, LLC FROM AERIAL PHOTOGRAPHY ON DECEMBER 11, 2017.
 2. SITE GRID IS BASED ON LOCAL COORDINATE SYSTEM.

Staked Reclamation Areas	Original Volume of Fill Required to Complete Reclamation (cu. yds.)	Reclamation Progress (% Complete)	Amount of Fill Volume Required to Complete Reclamation (cu. yds.)	Reclamation Progress Change (7/17/17 - 12/11/17) (% Complete)	How Remaining Volume Will Be Placed	Angle of Reclamation	Estimated Timeline Reclamation Completed
South of #1	13,738	30%	9,617	+30%	Backfill		8/30/2018
#1 - #2	15,995	4%	15,318	+4%	Backfill		8/30/2018
#2 - #3	6,681	100%	0	0%	N/A - Reclamation Complete	37°	N/A - Reclamation Complete
#3 - #4	14,767	100%	0	+3%	N/A - Reclamation Complete	37°	N/A - Reclamation Complete
#4 - #5		100%				35°	
#5 - #6		100%				34°	
#6 - #7	174,441	100%	0	N/A	N/A - Reclamation Complete	26°	N/A - Reclamation Complete
#7 - #8		100%				23°	
#8 - #9		100%				26°	
#9 - #10	6,706	73%	1,811	+36%	Backfill		8/30/2018
#10 - #11	4,506	94%	270	+62%	Backfill		8/30/2018
#11 - #12	17,726	48%	9,218	+10%	Backfill		8/30/2018
#12 - #19	1,990	69%	617	0%	Backfill		8/30/2018
#19 - #18		< 1%		0%			
#18 - #17		22%*		+22% (*Previous Backfill)			
#17 - #16		< 1%		0%	Blast to Grade		October 2018 - March 2019
#16 - #15		< 1%		0%			
#15 - #20		< 1%		0%			
#20 - #21		0%		0%			
#21 - #22		0%		0%			
#22 - #23	30,598	0%	30,598	0%	Blast to Grade (Backfill as Secondary Option)		October 2018 - March 2019
South of #23	84,775	0%	84,775		Backfill		8/30/2018
Backfill Volume (West & North)	256,550		36,850				
Backfill Volume (East)	84,775		84,775				
Subtotal Backfill	341,325		121,625				
Blast to Grade Volume (East)	30,598		30,598				
Total Volume	371,923		152,223				

PROJECT SITE: NEW HOPE CRUSHED STONE
 SNP #7974SM3
 SOLEBURY TOWNSHIP, BUCKS COUNTY
 PENNSYLVANIA

PREPARED FOR: NEW HOPE CRUSHED STONE

PREPARED BY: EarthRes ENGINEERING AND SCIENCE

RECLAMATION UPDATE
 NEW HOPE CRUSHED STONE QUARRY
 NEW HOPE CRUSHED STONE AND LIME CO.

DRAWN BY: JTV
DATE: 8/4/16
PROJECT NO.: 070102.015
DRAWING NUMBER: E-001

REVISIONS:

NO.	DATE	BY	REVISIONS
1	2/15/18	MR	UPDATE RECLAMATION PROGRESS
2	5/18/18	J.D	REVISED PER 4/26/18 DEP COMMENTS

CHECKED BY: JTV
DATE: 8/4/16
PROJECT NO.: 070102.015
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SHEET 1 OF 1