



CONNORSTONE ENGINEERING, INC.

10 SOUTHWEST CUTOFF, SUITE #1
NORTHBOROUGH, MASSACHUSETTS 01532
T: (508) 393-8771

121 BOSTON POST ROAD
SUDBURY, MASSACHUSETTS 01776
T: (978) 443-9866

Mr. James McQuade
Massachusetts Department of Environmental Protection
Solid Waste Management Program
8 New Bond Street
Worcester, MA 01606

By email--James.McQuade@mass.gov

June 27, 2023

Re: Holliston Asphalt & Concrete, Inc. RCC Permit # X267053

Dear Mr. McQuade:

In response to your June 14, 2023 letter to Holliston Asphalt and Concrete (HAC), we are providing this "Cleanup Plan" for consideration. Attached are relevant documents demonstrating the quantities of material based upon current conditions, on-site survey data, and calculations performed by Connorstone Engineering Inc., Vito Colonna P.E.

ABC Materials, including general fill, currently stored in designated piles on site total:

Asphalt	1,728 cy
Brick	none detected
Concrete	18,228 cy- estimated 3,200 cy 'concrete'

ASPHALT

HAC proposes to reuse the Asphalt on site for a pavement sub-base consisting of approximately 12 inches in depth, to enhance structural integrity for the heavy trucks that will come and go from the site over time.

BRICK

Brick is essentially non-existent on site, in and amongst the 'concrete pile' (mixed concrete and soils), based upon visual examinations recently.

CONCRETE

The RCC Concrete pile consists of significant quantities of gravel/sand/fill (see attached current photos), appears generally clean as a gravel material and will be segregated for use. Concrete

will be segregated out mechanically with a claw-excavator and/or a rake-riddle bucket. The soils will then be screened by a mechanical shaker to recover any other construction debris for disposal. Based on visual observation it is guesstimated the percentage of 'concrete' is around 15+/-%. Gross volume of the pile is 18,228 cubic yards. Therefore there may be approximately 15,000 +/- cubic yards of soil for reuse from this pile.

The property owners have been in the process of permitting the construction of a new garage facility on a portion of the site before the Holliston Planning Board since early in 2022. HAC proposes to repurpose and reuse the materials listed above in connection with the construction of the new garage facility. As those materials are already on site, reusing them would greatly reduce truck traffic and other construction impacts.

The site plan, developed in compliance with Title 5 and Massachusetts and Holliston Stormwater requirements, in addition to Zoning and Planning Board regulation, proposes a significant quantity of fill for the facility. A fill of about 5 feet is required for comply with groundwater separations and various gravity gradients for piping systems. (See attached site plan)

The approximate quantity of fill required for this new garage facility, as proposed, is 7435 cubic yards.

The berm extension as proposed requires approximately 1,474 cubic yards.

Any future use of the front portion of the site would be expected to require a similar fill height, which would necessitate approximately 11,667 cubic yards of fill.

In summary, HAC requests approval of its proposed Cleanup Plan, which will allow for reuse of materials currently stored on site. We believe that this would satisfy DEP's regulations, while allowing for the most efficient, cost effective, and environmentally friendly development of the site for future use.

Very truly,

George Connors

For HAC.

Encls.

Ccs, Master Paving, info@maspaving.com

Thiago Xavier, sales@middlesexasphaltservices.com

Scott Moles, moless@holliston.k12.ma.us

STOCKPILE B
VOLUME=1,728 C.Y.±

STOCKPILE A
VOLUME=18,228 C.Y.±

LOWLAND STREET

FRONT BUILDING PAD
AREA=63,000 S.F.
FILL DEPTH=5'
FILL VOLUME=11,660 C.Y.

REAR BUILDING PAD
PAVED AREA=40,150 S.F.
FILL DEPTH=5'
FILL VOLUME=7,435 C.Y.

BERM EXTENSION
FILL VOLUME=1,474 C.Y.±

LOCATION:

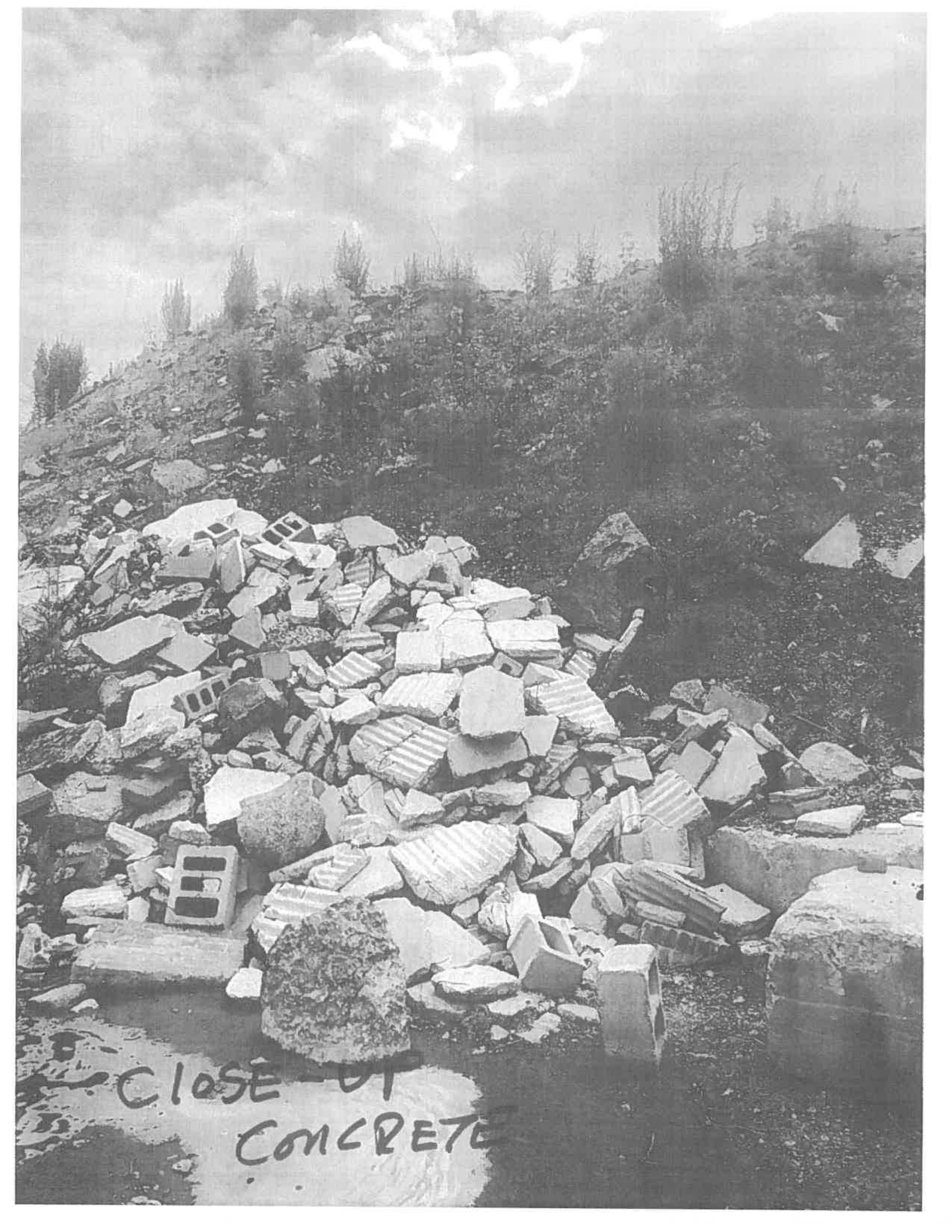
157-165 LOWLAND STREET
HOLLISTON, MA

PREPARED BY:

CONNORSTONE
ENGINEERING INC.

SCALE:

1"=80'

A black and white photograph showing a large pile of broken concrete blocks and rubble in the foreground. The blocks are of various sizes and shapes, some showing a corrugated texture. In the background, a hillside rises, covered with sparse vegetation and small trees. The sky is cloudy. The text "CLOSE-UP OF CONCRETE" is written in a handwritten style at the bottom of the image.

CLOSE-UP
CONCRETE



Core 10
Asphalt





EARTHWORK SUMMARY

157-165 Lowland Street

26-Jun-23

STOCKPILE A				STOCKPILE B			
ELEV.	AREA	AVG	VOL	ELEV.	AREA	AVG	VOL
158	10150			158	3050		
		20346	40692			3850	7700
160	30542			160	4650		
		29878	59756			4407	8814
162	29214			162	4164		
		28567	57134			3929	7858
164	27920			164	3694		
		27294	54588			3441	6882
166	26668			166	3188		
		26059	52118			2905	5809
168	25450			168	2621		
		24612	49224			2415	4830
170	23774			170	2209		
		22435	44870			1713	3425
172	21096			172	1216		
		19971	39941			666	1331
174	18845			174	115		
		17633	35265				
176	16420					CF	46649
		13354	26708			CY	1728
178	10288						
		8606	17212				
180	6924						
		5357	10714				
182	3790						
		1973	3945				
184	155						
		CF	492167				
		CY	18228				

BERM FILL AREA			
ELEV.	AREA	AVG	VOL
170	850		
		1222.5	-2445
168	1595		
		1992.5	-3985
166	2390		
		2812.5	-5625
164	3235		
		3683.5	-7367
162	4132		
		4606	-9212
160	5080		
		5578	-11156
158	6076		
		CF	-39790
		CY	-1474

BUILDING PAD FILL AREA - REAR	
AREA	40150 s.f.
DEPTH	-5 ft.
VOL	-200750 CF
	-7435 CY

BUILDING PAD FILL AREA - FRONT	
Length	140
Width	450
AREA	63000 s.f.
DEPTH	-5 ft.
VOL	-315000 CF
	-11667 CY

Prepared by:
Connorstone Engineering, Inc.

