MARIO SINACOLA & SONS
EXCAVATING, INC.

February 21, 2014
Texas Commission on Environmental Quality
Region IV
2309 Gravel Drive
Ft. Worth, Texas 76118

ATTN: Greg Jones

RE: Standard Permit
Portable Concrete Batch Plant
TCEQ ACCT. # 921147-Q – Serial No910612
Rio Grande Blvd – City of Euless, TX (Tarrant County)

Greg;

Please find attached our detailed site plan for the proposed plant site to be located Approx.366' ft. west of State Highway 121 Service Rd. & Approx. 1170 ft. north of Cheek Sparger Rd.. The paving improvements for this project will be dedicated to the City of Euless upon final acceptance. Concrete batched at the proposed plant site location will be used for this project only.

The plant site we have requested for this plant is contiguous to the project right-of-way, and the drop point on the central bag-house will not be located within 100 Ft. of any property line. We request and anticipate only one move-in for this project and should be occupying the site for approximately three (3) months, beginning on or about March 21, 2014 with normal hours of operation being 7:00 a.m. to 6:00 p.m. Monday thru Saturday. Our plant Superintendent is Sam Caperton and he can be reached at (214) 577-2100.

Please note that we have submitted our Table 20, Table 11 and Standard Checklist for the plant we intend to use on this project. Since there were no sheets in the plans suited to this purpose I have enclosed an aerial drawing for the project illustrating the location we intend to use for the plant site, limits of paving, distance to nearest residence and distance to existing roads both south and east. I have also enclosed a detailed drawing showing the layout of the plant site and a page from the Fort Worth Mapsco to aid in locating the site.

In the event that a change is necessary we will notify you via a fax 48 hours prior to setting up the plant advising you as to the actual plant we will be using for the project in question.

If you have any questions or require additional information please feel free to contact me at (214) 387-3900.

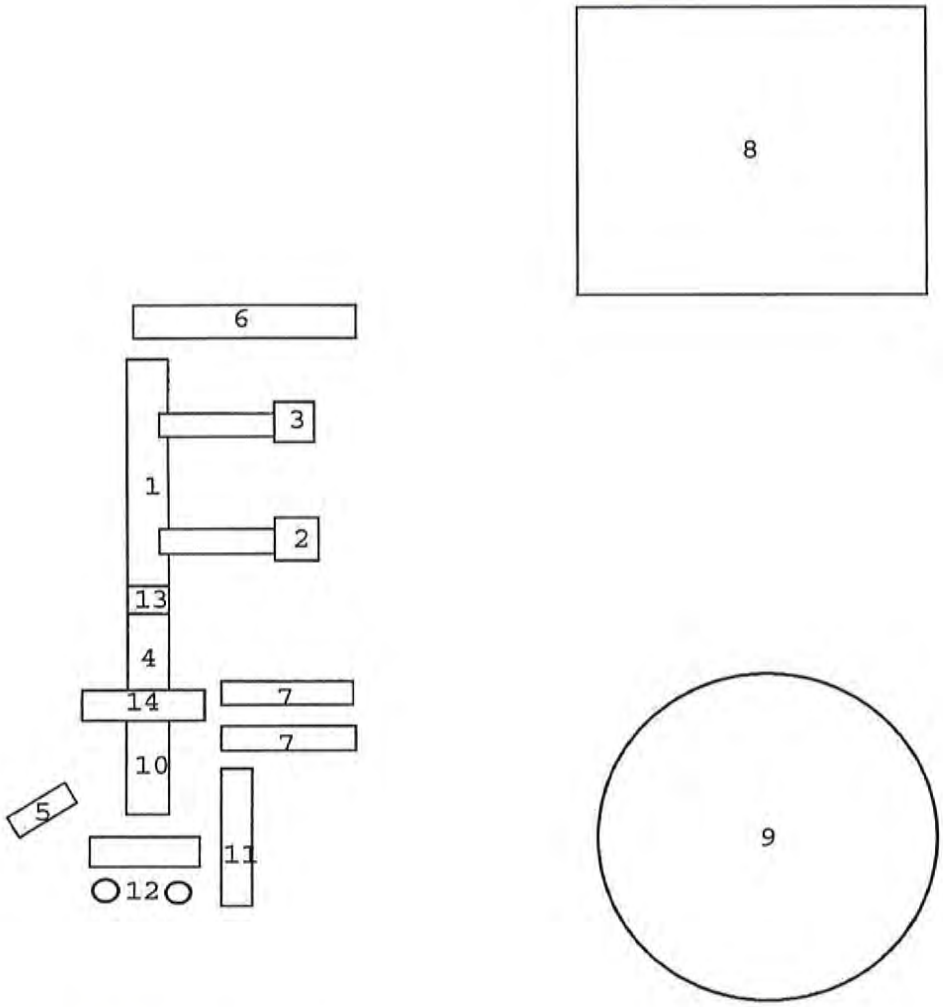
UTILITIES • PAVING • EXCAVATING • STRUCTURES
10950 RESEARCH ROAD • FRISCO, TEXAS 75033
(214) 387-3900 • ESTIMATING FAX (214) 387-3940 • FINANCE FAX (214) 387-3950

MARIO SINACOLA & SONS
EXCAVATING, INC.

Sincerely,
MARIO SINACOLA & SONS EXCAVATING, INC.

Larry M. Lamp

Project Administration

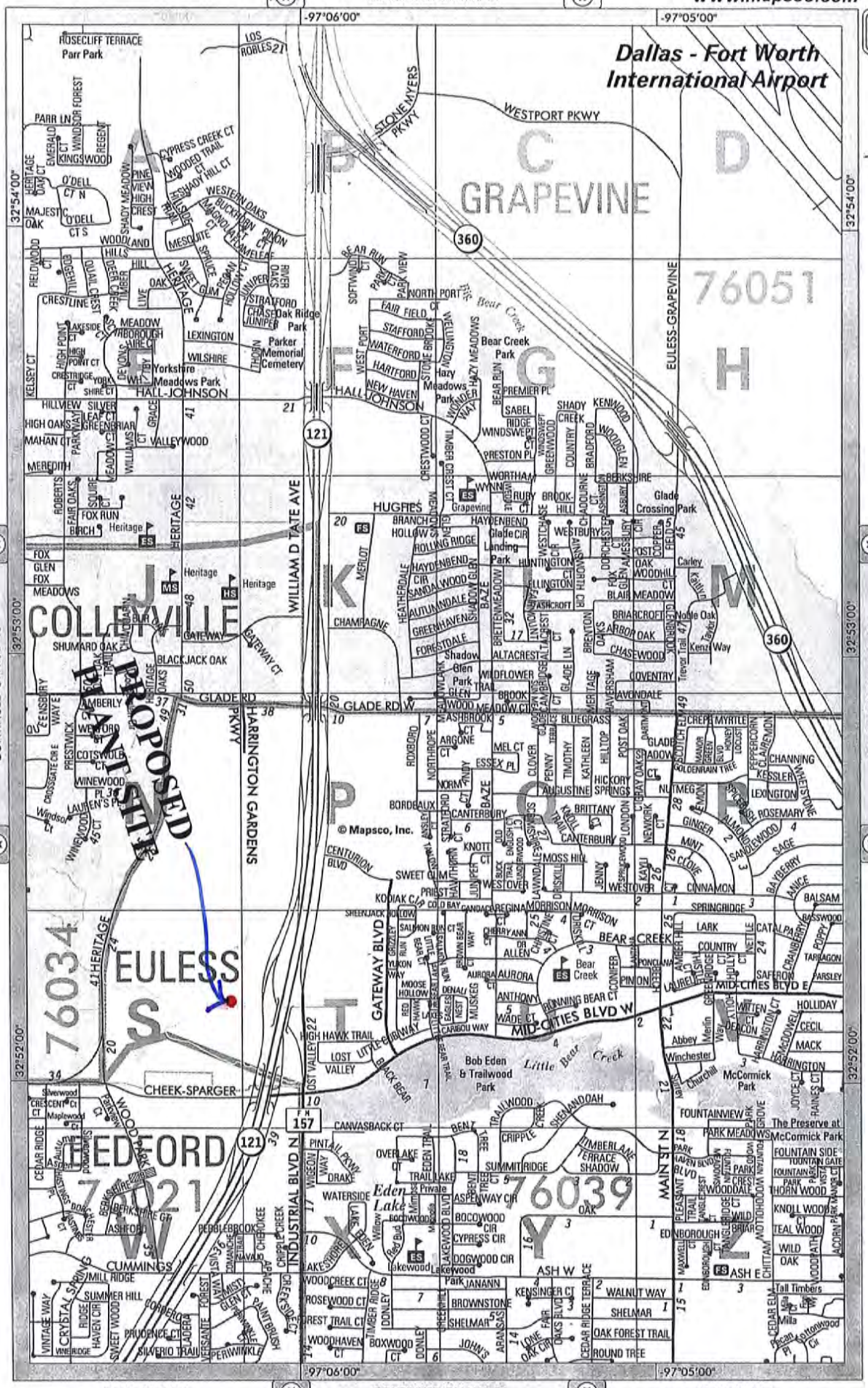


1 BATCH PLANT
2 CHARGING HOPPER SAND
3 CHARGING HOPPER ROCK
4 CEMENT HOPPER
5 CONTROL TRAILER
6 GENERATOR TRAILER
7 CEMENT STORAGE
8 APPROXIMATE ROCK PILE
9 APPROXIMATE SAND PILE
10 FLY ASH SILO
11 FLY ASH PIG
12 ADMIXES
13 DUST COLLECTOR
14 CENTRAL MIXER

MARIO SINACOLA & SONS EXCAVATING, INC.

PROPOSED BATCH PLANT - DETAILED SITE PLAN

CONTINUED ON MAP 27



CONTINUED ON MAP 40

CONTINUED ON MAP 42

CONTINUED ON MAP 55

SCALE IN MILES

0 ⅛ ¼ ⅜ ½

SCALE IN FEET

0 1000 2000 3000

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92-1147-Q
Serial # 910612

Air Quality Standard Permit for Concrete Batch Plants
Registration Checklist

The following checklist has been developed so the Texas Commission on Environmental Quality (TCEQ), Air Permits Division (APD) can confirm the concrete batch plant meets the standard permit requirements. Please read all questions and check "YES," "NO," or "N/A" or give specific information for the facility. If the concrete batch plant does not meet all conditions of this standard permit, it will not be allowed to operate under the standard permit and must apply for a case-by-case preconstruction permit as required under Title 30 Texas Administrative Code § 116.111 (30 TAC § 116.111).

Check the facility type authorized: ☐ Specialty (Complete Sections 1-4) ☐ Permanent Plant (Complete Sections 1-3 and 6) ☑ Temporary Plant (Complete Sections 1-3 and 5)

CONDITION NUMBER AND DESCRIPTION				
(1)(A)	Is the registration Form PI-1S-CBP entitled "Air Quality Permit Registration for Concrete Batch Plants," Table 20 for Concrete Batch Plants, and supporting information attached or mailed to the TCEQ, including air emission estimates, control devices and methods, process description, plot plan, and area map?	☑ YES	☐ NO	☐ N/A
	Will copies of all information be mailed to Air Permits Division, regional office and applicable local programs?	☑ YES	☐ NO	☐ N/A
(1)(B)	Was the $900 fee sent to TCEQ Revenue Section? (If "N/A," the answer to (2) must be "YES.")	☑ YES	☐ NO	☐ N/A
(1)(C)	Has construction and/or operation begun on the facility?	☐ YES	☑ NO	☐ N/A
(1)(D)	Was a registration submitted to TCEQ after September 1, 2000?	☑ YES	☐ NO	☐ N/A
(1)(E)	Has air dispersion modeling been submitted as a part of this registration?	☐ YES	☐ NO	☑ N/A
(1)(F)	Will records be maintained on-site to show hourly production and kept for 24 months or the duration of operation at this site?	☑ YES	☐ NO	☐ N/A
(2)	Will a temporary facility be located contiguous in or adjacent to the right-of-way of a public works project or related project segments? (If "YES," public notice is not required)	☐ YES	☑ NO	☐ N/A
(3)(A)	Will all cement/flyash storage silos and weigh hoppers be vented to a fabric or cartridge filter system?	☑ YES	☐ NO	☐ N/A
(3)(B)(i)	Will fabric/cartridge filter systems and suction shroud be operated properly with no tears or leaks?	☑ YES	☐ NO	☐ N/A
(3)(B)(ii)	Will all filter systems be designed to meet at least 0.01 grains per dry standard cubic feet (gr/dscf) outlet?	☑ YES	☐ NO	☐ N/A
(3)(B)(iii)	Will all filter systems and mixer/truck loading control devices meet visible emissions performance standards?	☑ YES	☐ NO	☐ N/A
(3)(B)(iv)	Will cement and/or flyash silo filter exhausts be equipped with sufficient illumination to observe visible emissions performance if filled during non-daylight hours?	☑ YES	☐ NO	☐ N/A
(3)(C)(i)	Will conveying systems to and from the silos be totally enclosed and maintained with no tears or leaks?	☑ YES	☐ NO	☐ N/A
(3)(C)(ii)	During cement/flyash storage silo filling, except for connecting or disconnecting, will visible emissions exist for more than 30 seconds in any six-minute period from the conveying system?	☐ YES	☑ NO	☐ N/A

(3)(D)	Will a warning device be installed on each bulk storage silo to alert operators in sufficient time so the loading operation can be stopped prior to over-filling and potential failure of the filter systems?	☑YES ☐NO ☐N/A
(3)(E)(i)	Will all in-plant roads be covered with a material such as roofing shingles or tire chips?	☐YES ☑NO ☐N/A
	Will all traffic areas be covered with a material such as roofing shingles or tire chips?	☐YES ☑NO ☐N/A
(3)(E)(ii)	Will all in-plant roads be treated with dust-suppressant chemicals?	☐YES ☑NO ☐N/A
	Will all traffic areas be treated with dust-suppressant chemicals?	☐YES ☑NO ☐N/A
(3)(E)(iii)	Will all in-plant roads be watered?	☑YES ☐NO ☐N/A
	Will all traffic areas be watered?	☑YES ☐NO ☐N/A
(3)(E)(iv)	Will all in-plant roads be paved with a cohesive hard surface that is maintained intact and cleaned?	☐YES ☑NO ☐N/A
	Will all traffic areas be paved with a cohesive hard surface that is maintained intact and cleaned?	☐YES ☑NO ☐N/A
(3)(F)	Will dust emissions from all stockpiles be minimized at all times by sprinkling with water, dust-suppressant chemicals, or covers?	☑YES ☐NO ☐N/A
(3)(G)	Will all material spills be immediately cleaned up and contained or dampened so dust emissions are minimized?	☑YES ☐NO ☐N/A
(4)	**Specialty Plants**	
(4)(A)	Will the site production rate exceed 30 cubic yards per hour (cy/hr)?	☐YES ☐NO ☐N/A
(4)(B)	Will the cement/flyash weigh hopper be vented to a fabric or cartridge filter system?	☐YES ☐NO ☐N/A
	Is the cement/flyash weigh hopper vented inside the batch mixer?	☐YES ☐NO ☐N/A
(4)(C)(i)	Will dust emissions at the mixer feed be controlled by a spray device which eliminates visible emissions?	☐YES ☐NO ☐N/A
(4)(C)(ii)	Will dust emissions at the mixer feed be controlled by a pickup device delivering air to a filter?	☐YES ☐NO ☐N/A
(4)(C)(iii)	Will dust emissions at the mixer feed be controlled by an enclosure on the mixer feed so that no visible emissions occur?	☐YES ☐NO ☐N/A
(4)(C)(iv)	Will dust emissions at the mixer feed be controlled by conducting the entire mixing operation inside the enclosed process building such that no visible emissions from the building occur during mixing activities?	☐YES ☐NO ☐N/A
(4)(D)	Will vehicles used for the operation of the concrete batch plant, except incidental traffic and the entrance and exit to the site, be operated at least 25 feet from any property line?	☐YES ☐NO ☐N/A
	In lieu of meeting the 25-foot distance requirement, will the roads and other traffic areas within the buffer distance be bordered by dust preventive fencing or other barrier along all traffic routes or work areas? (*These borders shall be constructed to a height of at least 12 feet.*)	☐YES ☐NO ☐N/A
(5)	**Temporary Plants**	
	Will this plant occupy the designated site for not more than 180 consecutive days, or will the plant supply concrete for a single project, but not other unrelated projects?	☑YES ☐NO ☐N/A

(5)(A)	Will the site production rate exceed 300 cubic yards per hour (cy/hr)?	☐YES ☑NO ☐N/A
(5)(B)(i)	Will the facility occupy the site for less than 180 consecutive days?	☑YES ☐NO ☐N/A
	Will the production rate exceed 200 cy/hr?	☑YES ☐NO ☐N/A
	Will the facility load rotary mix trucks through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that minimizes dust emissions? (*If yes, plant is limited to a maximum of 180 days at the site.*)	☐YES ☑NO ☐N/A
	Will the water fog ring meet the specified visible emissions performance standards?	☐YES ☐NO ☑N/A
(5)(B)(ii)	Will the facility use a suction shroud and fabric filter/cartridge filter system?	☑YES ☐NO ☐N/A
	Will the suction shroud or other pickup device be installed at the batch drop point/mixer feed?	☑YES ☐NO ☐N/A
	Will the suction shroud be vented to a fabric or cartridge filter system with a minimum of 4,000 actual cubic feet per minute (acfm)?	☑YES ☐NO ☐N/A
(5)(C)(i)	Will the suction shroud baghouse exhaust or truck drop point be located at least 100 feet from any property line? *Note: For concrete batch plants which supply concrete for a single public works project, the "property line" measurements for purposes of compliance with this standard permit and 30 TAC § 111.155 shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.*	☑YES ☐NO ☐N/A
(5)(C)(ii)	If the facility is equipped with a water fog ring, will the truck drop point be a minimum of 300 feet from the nearest off-property non-industrial receptor? (*Non-industrial receptors include, but not limited to, single family or, multifamily residence, school, or place of worship.*)	☐YES ☐NO ☑N/A
(5)(C)(iv)	If the concrete batch plant production rate is less than or equal to 200 cy/hr, will all stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 25 feet from any property line? *Note: For concrete batch plants which supply concrete for a single public works project, the "property line" measurements for purposes of compliance with this standard permit and 30 TAC § 111.155 shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.*	☐YES ☐NO ☑N/A
(5)(C)(v)	If the concrete batch plant production rate is greater than 200 cy/hr and less than or equal to 300 cy/hr, will all stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 50 feet from any property line? *Note: For concrete batch plants which supply concrete for a single public works project, the "property line" measurements for purposes of compliance with this standard permit and 30 TAC § 111.155 shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.*	☑YES ☐NO ☐N/A
(5)(D)(i)	In lieu of meeting the distance requirements in (5)(C)(iv) or (v), will the roads and other traffic areas within the buffer distance be bordered by dust preventive fencing or other barrier along all traffic routes or work areas? (*These borders shall be constructed to a height of at least 12 feet.*)	☐YES ☐NO ☑N/A

(5)(D)(ii)	In lieu of meeting the distance requirements in (5)(C)(iv) or (v), will stockpiles within this buffer distance be contained within a three-walled bunker which extends at least two feet above the top of the stockpile?	☐YES ☐NO ☑N/A
(5)(E)	If you have previously registered for this standard permit, do you now intend to relocate to a public works project where the plant will be in or contiguous to the right-of-way of the project?	☐YES ☐NO ☑N/A
	If so, have you sent a letter requesting this relocation with the required information to the appropriate regional and local programs at least 30-days in advance of your move?	☐YES ☐NO ☑N/A
(6)	**Permanent Plants**	
(6)(A)	Will the site production rate exceed 300 cubic yards per hour (cy/hr)?	☐YES ☐NO ☐N/A
(6)(B)	Will a suction shroud or other pickup device be installed at the truck drop point or drum feed?	☐YES ☐NO ☐N/A
	Will the suction shroud or device be vented to a fabric or cartridge filter system with a minimum of 4,000 actual cubic feet per minute (acfm)?	☐YES ☐NO ☐N/A
(6)(C)	Will all entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) be paved with a cohesive hard surface that can be maintained intact and cleaned?	☐YES ☐NO ☐N/A
	Will all batch trucks and material delivery trucks remain on a paved surface when entering, conducting primary function, and leaving the property?	☐YES ☐NO ☐N/A
	Will all other traffic areas comply with the control requirements of paragraph (3)(E)?	☐YES ☐NO ☐N/A
(6)(D)(i)	Is the suction shroud baghouse exhaust at least 100 feet from any property line?	☐YES ☐NO ☐N/A
(6)(D)(iii)	If the concrete batch plant production rate is less than or equal to 200 cubic yards per hour (cy/hr), will all stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 25 feet from any property line?	☐YES ☐NO ☐N/A
(6)(D)(iv)	If the concrete batch plant production rate is greater than 200 cy/hr and less than or equal to 300 cy/hr, will all stationary equipment, stockpiles, and vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 50 feet from any property line?	☐YES ☐NO ☐N/A
(6)(E)(i)	In lieu of meeting the distance requirements in (6)(D)(iii) or (iv), will the roads and other traffic areas within the buffer distance be bordered by dust preventive fencing or other barrier along all traffic routes or work areas? (*These borders shall be constructed to a height of at least 12 feet.*)	☐YES ☐NO ☐N/A
(6)(E)(ii)	In lieu of meeting the distance requirements in (6)(D)(iii) or (iv), will stockpiles within this buffer distance be contained within a three-walled bunker which extends at least two feet above the top of the stockpile?	☐YES ☐NO ☐N/A

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Texas Commission on Environmental Quality
Table 20
Concrete Batch Plants

The following Table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality, Air Permits Division Web site at www.tceq.state.tx.us/nav/permits/air_permits.html.

Please Complete the Following							
Company Name: Mario Sinacola & Sons Excavating, Inc.							
Plant identification or name: Haganator 5007							
Type of Plant:	☐ Permanent		☑ Portable			☐ Specialty Mix	
Type of batching that will be accomplished:	☐ Wet (Rotary Mix Truck)			☐ Dry		☑ Central Mix	
Maximum Production Rates:	300	yd^3/hr	75000	yd^3/year			
Maximum Operations:	12	hours/day	7	days/week	52	weeks/year	3120 hour/year
Does the facility operate at night?							☐ YES ☑ NO
Is a completed Table 11 "Fabric Filters," submitted with this application for each fabric filer?							☑ YES ☐ NO
Silo Information:							
How many silos will this plant have?	2						
What is the volume of each silo?	1200 - 1000						ft^3
Explain the method of loading silo(s):	Pneaumatic Load						
Is each silo equipped with overload warning device?							☑ YES ☐ NO
What type of abatement device will be used on silo vent(s)? Central Baghouse							
How will the batch drop to truck or central mixer be controlled to prevent dust emissions? ☑ Suction shroud with exhaust air to central fabric filter. *(If checked, attach a completed Table 11, "Fabric Filters.")* ☐ Flexible discharge spouts with water fog ring. *(If checked, attach design drawing.)* ☐ Other type of abatement device. *(If checked, explain in detail and attach design-drawing.)*							
What is the distance from the water fog ring or central bag house stack to the nearest property line?	> 100 ft.						
How will the cement weight hopper be vented? ☐ Cement Flyash Silo Fabric Filter *(If checked, attach a completed Table 11, "Fabric Filters.")* ☑ Central Fabric Filter *(If checked, attach a completed Table 11, "Fabric Filters.")* ☐ Discharge Spout ☐ Other *(Please indicate)*							

Texas Commission on Environmental Quality
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Concrete Batch Plants

The following Table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality, Air Permits Division Web site at www.tceq.state.tx.us/nav/permits/air_permits.html.

Please Complete the Following *(continued)*		
Will the sand and aggregate be washed prior to delivery at your facility?		☑ YES ☐ NO
What is the number of acres or square feet which will be covered by aggregate stockpiles?		
> 1 acres or		square feet
Water sprays will be used at the following locations	☑ Stockpiles	☐ Aggregate Bin Outlets
	☐ Convey or Transfer Points	☐ Screens
How will plant roads be treated to prevent dust emissions?	☐ Pave and cleaned *(asphalt or concrete)*	
	☐ Chemical Sprayed	☑ Water Sprinkled
	☐ Gravel	☐ Paved and Vacuumed
Is there a generator or engine on site?		☑ YES ☐ NO
Note: If "YES," complete A through G and submit a completed Table 29 entitled, "Reciprocating Engines."		
Generator Information:		
A. Make and Model:	Cat 3412	
B. Maximum Rated Horse Power:	896	
C. Fuel Type:	Diesel	
D. Percentage of Sulfur Content:	15 PPM	
E. Annual Hours of Operation:	2200	
F. Distance to Nearest Property Line:	> 50'	feet
G. NO_x Rating: *(Specify in Units)*	12.2200	

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Texas Commission on Environmental Quality
Table 11
Fabric Filters

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) Web site at www.tnrcc.state.tx.us/permitting/airperm.

1. Emission Point Number and name (from Process Flow Diagram): 8
2. Manufacturer and model number (if available): Vince Hagan Co. Model ES - E963
3. Name of source(s) or equipment being controlled: Cloth Filtering Central Baghouse
4. Type of particulate controlled: Cement/Sand/Aggregates & Related Dust

5. **GAS STREAM CHARACTERISTICS**

Design Maximum Flow Rate (acfm)	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
5000	4900	Ambient	Inlet: 5	Outlet: .01
Pressure Drop (inches of H_2O)	**Water Vapor Content of Effluent Stream (lb water/lb dry air)**		**Fan Requirements**	
4.00			hp: 10	ft^3/min: 5000

6. **PARTICULATE DISTRIBUTION (By Weight)**

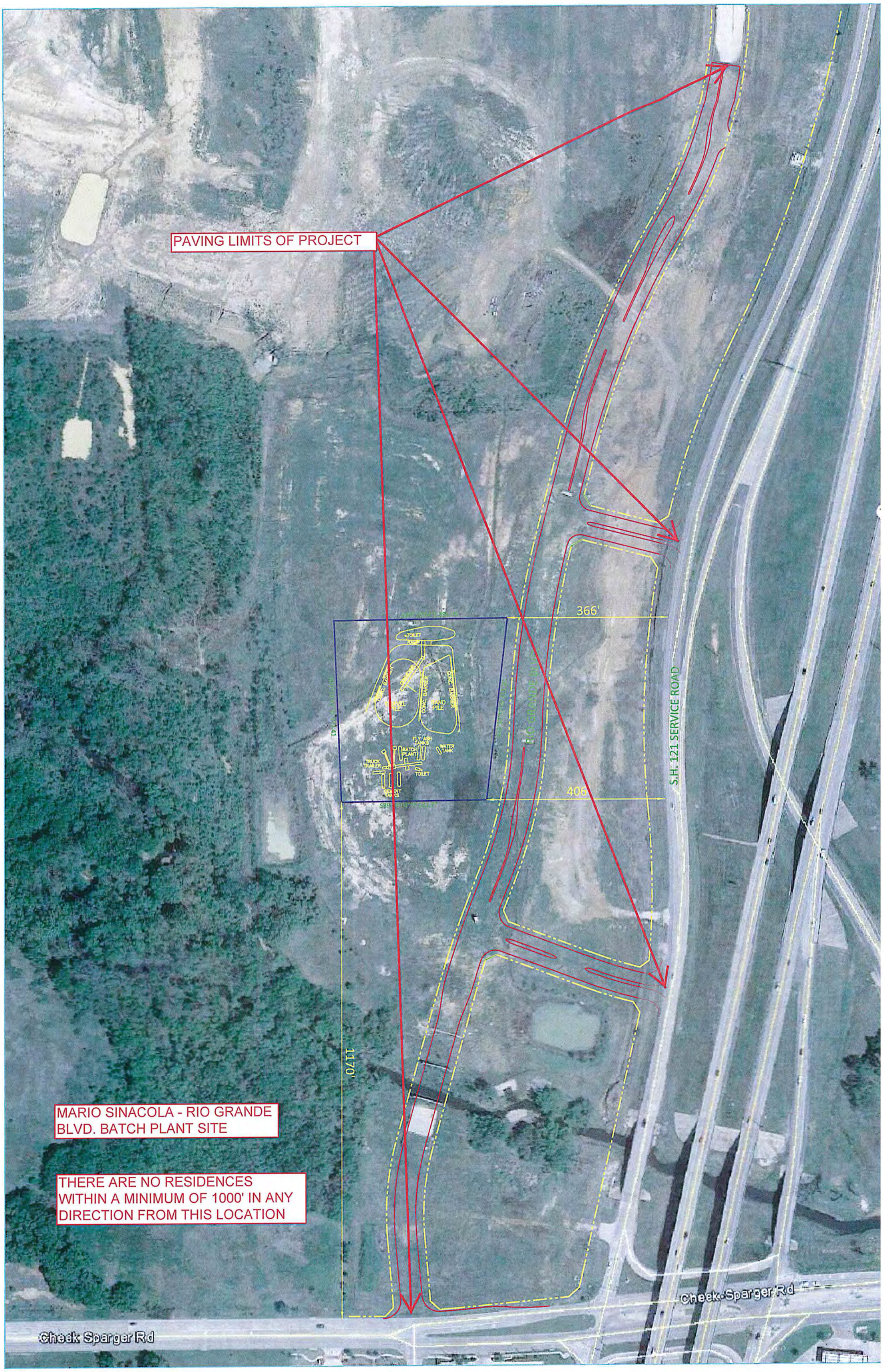
Micron Range	Inlet (Percentage)	Outlet (Percentage)
0.0-0.5		
0.5-1.0		
1.0-5.0	100 %	100%
5-10		
10-20		
over 20		

7. **FILTER CHARACTERISTICS**

Filtering Velocity (acfm/ft^2 of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags
5:1	8	5'9"	80

8. Bag rows will be: ☐ Staggered ☑ Straight
9. Will walkways be provided between banks of bags?: ☐ YES ☑ NO
10. Filtering material: Polyester Fume 16 oz/Square Yard
11. Describe bag cleaning method and cycle.: High Freq. Air Vibrator Cleaning - Auto Bag Cleaning Shaker Mechanism
12. Capital installed cost $ $14,000.00 Annual operating cost $ $350.00

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.
If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.


PAVING LIMITS OF PROJECT
366'
406'
1170'
S.H. 121 SERVICE ROAD
MARIO SINACOLA - RIO GRANDE BLVD. BATCH PLANT SITE
THERE ARE NO RESIDENCES WITHIN A MINIMUM OF 1000' IN ANY DIRECTION FROM THIS LOCATION
Cheek Sparger Rd
Cheek-Sparger Rd