

**SOURCE APPROVAL OF COARSE AGGREGATE  
FOR PCC, CRUSHED STONE**

**PART I (PRODUCER REQUEST)**

Producer: C.J. Moyna & Sons, Inc. Source Name: Frenchtown Quarry  
Location: Sec 07&18 Twp 93 Range 2W County Clayton  
Durability Class Requested: 3 Bed Numbers: Beds S1B - S1D  
By: Kyle Pattison Date: May 28, 2010

**PART II (DISTRICT RECOMMENDATIONS)**

It is recommended that the properly inspected aggregate complying with applicable specifications be accepted under the following use and production limits:

- A. Concrete Durability Class Rating: 3
- B. Production Ledges: Beds S1B - S1D
- C. Geologic Section: Gossman, Reyes, Dawson 09/04/08 Revision of  
Original Section by Gossman dated 12/22/92.  
Shakopee Formation Geologic Section

This source approval replaces the approval for this production ledge dated 11/16/06 for the source originally named Pattison Property Prospects.

By: *Keith E. Norris* Date: 28 MAY 2010

**PART III ( CENTRAL OFFICE DETERMINATION)**

Preliminary Approval: \_\_\_\_\_ Date: \_\_\_\_\_

X Final Approval: *[Signature]* Date: \_\_\_\_\_

Beds Beds S1B - S1D Durability Class 3 T203 Code No.: A22072

**DATA SHEET  
 (QUARRIES)**

T203 Code Number: A22072

**1. LEDGE TESTS**

Lab. #	'A'	AL2O3	Abr	Sp. Gr	Abs	PI	DF	Beds
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**2. PRODUCTION TESTS**

Lab. #	'A'	AL2O3	Abr	Sp. Gr	Abs	P. Index	DF	Remarks
AAC07-504	1	0.436	28	2.697	1.57	64/16		Beds S1C and S1D
AAC07-530	1	0.489		2.69	1.88	64/14		Beds S1C and S1D
AAC07-586	1	0.538	29	2.69	1.99	56/14		Beds S1C and S1D
AAC08-127		0.461	27	2.694	1.63	60/18		Beds S1C and S1D
AAC08-003	1	0.813	37	2.663	1.94	76/14		Bed S1B

**3. SERVICE RECORD**

Project Number	Year	County	Route	MP	Condition
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**4. SIMILAR SOURCES**

**5. OTHER TESTS:**

Lab. #	Prim. Pore	Sec. Pore	XRF-XRD Quality	Pore Quality	TGA Quality	Overall Quality	Alumina	Beds
AAC07-504	64	16	0.29	.80	0.92	0.57	0.436	Beds S1C and S1D
AAC07-530	64	14	0.26	.70	2.55	0.94	0.489	Beds S1C and S1D
AAC07-586	56	14	0.16	.70	2.25	0.82	0.538	Beds S1C and S1D
AAC08-127	60	18	0.21	.90	2.46	0.94	0.461	Beds S1C and S1D
AAC08-003	76	14	0.14	0.70	3.44	1.10	0.810	Bed S1B

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Producer: C.J. Moyna & Sons, Inc. Source Name: Frenchtown Quarry  
Location: Sec 07&18 Twp 93 Range 2W County Clayton  
Durability Class Requested: 3 Bed Numbers: Bed S1B only  
By: Kyle Pattison Date: May 28, 2010

**PART II (DISTRICT RECOMMENDATIONS)**

It is recommended that the properly inspected aggregate complying with applicable specifications be accepted under the following use and production limits:

- A. Concrete Durability Class Rating: 3
- B. Production Ledges: Bed S1B only
- C. Geologic Section: Gossman, Reyes, Dawson 09/04/08 Revision of Original Section by Gossman dated 12/22/92. Shakopee Formation Geologic Section

This source approval replaces the approval for this production ledge dated 11/16/06 for the source originally named Pattison Property Prospects.

By: Keith E Norris Date: 28 MAY 2010

**PART III ( CENTRAL OFFICE DETERMINATION)**

Preliminary Approval: \_\_\_\_\_ Date: \_\_\_\_\_

X Final Approval: [Signature] Date: \_\_\_\_\_

Beds Bed S1B only Durability Class 3 T203 Code No.: A22072

**DATA SHEET  
 (QUARRIES)**

T203 Code Number: A22072

**1. LEDGE TESTS**

Lab. #	'A'	AL2O3	Abr	Sp. Gr	Abs	PI	DF	Beds
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**2. PRODUCTION TESTS**

Lab. #	'A'	AL2O3	Abr	Sp. Gr	Abs	P. Index	DF	Remarks
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AAC07-530	1	0.489		2.69	1.88	64/14		Beds S1C and S1D
AAC07-586	1	0.538	29	2.69	1.99	56/14		Beds S1C and S1D
AAC08-127		0.461	27	2.694	1.63	60/18		Beds S1C and S1D
AAC08-003	1	0.813	37	2.663	1.94	76/14		Bed S1B

**3. SERVICE RECORD**

Project Number	Year	County	Route	MP	Condition
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**4. SIMILAR SOURCES**

**5. OTHER TESTS:**

Lab. #	Prim. Pore	Sec. Pore	XRF-XRD Quality	Pore Quality	TGA Quality	Overall Quality	Alumina	Beds
AAC07-504	64	16	0.29	.80	0.92	0.57	0.436	Beds S1C and S1D
AAC07-530	64	14	0.26	.70	2.55	0.94	0.489	Beds S1C and S1D
AAC07-586	56	14	0.16	.70	2.25	0.82	0.538	Beds S1C and S1D
AAC08-127	60	18	0.21	.90	2.46	0.94	0.461	Beds S1C and S1D
AAC08-003	76	14	0.14	0.70	3.44	1.10	0.810	Bed S1B

**SOURCE APPROVAL OF COARSE AGGREGATE  
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**PART I (PRODUCER REQUEST)**

Producer: C.J. Moyna & Sons, Inc. Source Name: Frenchtown Quarry  
Location: Sec 07&18 Twp 93 Range 2W County Clayton  
Durability Class Requested: 3i Bed Numbers: Beds S1C - S1D  
By: Kyle Pattison Date: May 28, 2010

**PART II (DISTRICT RECOMMENDATIONS)**

It is recommended that the properly inspected aggregate complying with applicable specifications be accepted under the following use and production limits:

- A. Concrete Durability Class Rating: 3i
- B. Production Ledges: Beds S1C - S1D
- C. Geologic Section: Gossman, Reyes, Dawson 09/04/08 Revision of Original Section by Gossman dated 12/22/92. Shakopee Formation Geologic Section

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By: Keith E. Norris Date: 28 MAY 2010

**PART III ( CENTRAL OFFICE DETERMINATION)**

Preliminary Approval: \_\_\_\_\_ Date: \_\_\_\_\_

X Final Approval: [Signature] Date: \_\_\_\_\_

Beds Beds S1C - S1D Durability Class 3i T203 Code No.: A22072

**DATA SHEET  
 (QUARRIES)**

T203 Code Number: A22072

**1. LEDGE TESTS**

Lab. #	'A'	AL2O3	Abr	Sp. Gr	Abs	PI	DF	Beds
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**2. PRODUCTION TESTS**

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AAC07-530	1	0.489		2.69	1.88	64/14		Beds S1C and S1D
AAC07-586	1	0.538	29	2.69	1.99	56/14		Beds S1C and S1D
AAC08-127		0.461	27	2.694	1.63	60/18		Beds S1C and S1D

**3. SERVICE RECORD**

Project Number	Year	County	Route	MP	Condition
Clayton Terminal Road Dawson Report on Cores 14-Apr-10	1992	Clayton			Excellent

**4. SIMILAR SOURCES**

**5. OTHER TESTS:**

Lab. #	Prim. Pore	Sec. Pore	XRF-XRD Quality	Pore Quality	TGA Quality	Overall Quality	Alumina	Beds
AAC07-504	64	16	0.29	.80	0.92	0.57	0.436	Beds S1C and S1D
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