

WILDCAT

construction

SUBMITTAL ID: 002-R.01

Project Owner: City of Wichita
Project Title: Re-Use Water PS (to serve Spirit AeroSystems)
Project Number: Wildcat Job #7127/ COW 468-85112
Subject: Aggregates for use on the project:

Manufacturer/Supplier: Comejo Materials - Wichita, KS

Specification Section: Site Work - Aggregates

Submitted By: Tyler Dehn - Wildcat Construction Co., Inc.

SUBMITTAL DATA	
<input checked="" type="checkbox"/>	FOR APPROVAL
<input type="checkbox"/>	REVIEWED
<input type="checkbox"/>	REVIEWED AS NOTED
<input type="checkbox"/>	REVISE AND RESUBMIT
FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS.	
DATE <u>6-6-2016</u> BY <u>Tyler Dehn</u>	
WILDCAT CONSTRUCTION CO., INC.	

MKEC ENGINEERING, INC.	
411 N. WEBB ROAD • WICHITA, KS 67208	
<input checked="" type="checkbox"/> Reviewed	<input type="checkbox"/> Revise and Resubmit
<input type="checkbox"/> Reviewed as Noted	<input type="checkbox"/> Rejected
<input type="checkbox"/> Not Required by the Contract Documents	
Reviewed for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the fabrication process or to techniques of construction; and for coordination of the work of all trades.	
BY <u>Ernesto 2 Bando</u>	DATE <u>6-6-16</u>

Wildcat Construction Co., Inc.
P.O. Box 9163
Wichita, KS 67277

Office: (316) 945-9408
Fax: (316) 942-4012

DTMT175
Run Date: 09 29 15
Run Time: 08:36 AM

Kansas Department Of Transportation
Official Quality

PAGE - 1

MF Sample Id: 00978120 SI: E
Inspector Id: 000509007 JASON L BROWN Resp Loc: 50 Total Samples: 1
Type Insp: OFQ Date Sampled: 08 20 15 Related Sample Id:
Type Test: 1 AGGREGATE QUALITY TEST
Proj Id: Contract #: Line #: Quantity: 0.000
Producer: 00820105 Name: CORNEJO STONE (025) Loc: WICHITA(HOME OFFICE) St: KS
Legal Desc: S14T31SR10E Mix Plant: Name:
Matri Cd: 999900117 LIMESTONE (OFQ) Desc: Unit: TON
Qty Represented: 0.000 Nbr of Items: 7 Qty Assigned: 0.000
Sampled From: STOCK FILE Ledge: Lot/Heat Nbr:
Lab: AGG Name: AGGREGATE Dates::Shipped: 09 03 15 Received: 09 03 15
Test Start: 09 03 15 Est Compl: Act Compl: 09 23 15
Test Result: COMP Authorized By: L. SCHROEDER BY GLP

Remarks:

MRC 15-2538 1-1
SAMPLED 1" CONCRETE STONE, MOLINE QUARRY

Station: Dist & Lane: Latitude N: 37.35844 Longitude W: -096.27563
2 1.5 1 4 4 3/8 4 8 16 30 40 50 100 200 GF LL PI % Wash:
16 61 82 99 99 99 99 99 99 99.9 6.92

F&T Soundness Ratio: 0.98 % AI: 0.00

Compressive Strength Ratio: 1 Day: 3 Day: Color Test No:

RT 6 - I Sp Gr (Dry): 2.502 SP Gr (sat): 2.573 App Sp Gr: 2.692 Abs: 2.8
RT 6 - II Sp Gr (Dry): SP Gr (sat): App Sp Gr: Abs:
RT 6 - III Sp Gr: % Wear (L.A.): 38 Grading: B %CF:
Micro Deval % Loss : 28.8 Grading: 1
Del. Sust. % Shale: Soft/Friable: %Mud Balls: Sticks:

Remarks:

DATA ON FILE MRC 15-2538 FILE CODE: 1-1



#67 - Crushed Stone: To be used under wet well base and/or other stabilization of excavations

Gradation Test Report

Plant 010001-Durbin Quarry
 Product 570-1" Conc. White Stone #67
 Specification Proposed New Course #67



Sample Information

Sample No 540295884
 Date Sampled 03/24/2016 16:36
 Sampled By Adam Ware
 Type Production
 Method Belt-Stream

Split Sample
 Resample

Gradation Results

Date Completed 03/24/2016 16:36

Tested By Adam Ware

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
g	3016.50	2891.20	2878.80	4.3	0.4	

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
1" (25mm)	0.0	0.0	0.0	0.0	100.0	100-100	100-100	
3/4" (19mm)	255.5	255.5	8.8	8.8	91.2	90-95	92-100	
1/2" (12.5mm)	1231.0	1486.5	42.6	51.4	48.6	35-45	140-100	OT
3/8" (9.5mm)	522.8	2009.3	18.1	69.5	30.5	20-30	125-55	OT
#4 (4.75mm)	727.9	2737.2	25.2	94.7	5.3	3-8	15-10	
#8 (2.36mm)	127.5	2864.7	4.4	99.1	0.9	0-5	2-5	
#16 (1.18mm)	0.0	2864.7	0.0	99.1	0.9			
#200 (75µm)	6.4	2871.1	0.22	99.30	0.70			
Pan	7.7	2878.8	0.70	100.00	0.00			



AB-3/AS-1 Stone: to be used for aggregate base under concrete paving and as aggregate surfacing as needed

Gradation Test Report

Plant 010001-Durbin Quarry
 Product 586-AB-3
 Specification KSDOT AB-3/AS-1 (Durbin) - 586



Sample Information

Sample No 524589625
 Date Sampled 05/31/2016 15:33
 Sampled By Charles Pratt
 Type Shipping
 Method Stockpile

Split Sample
 Resample

Gradation Results

Date Completed 05/31/2016 15:33

Tested By Charles Pratt

Unit Moist Mass Dry Mass Wash Mass Moisture % Wash Loss % Procedure
 g 9779.20 9122.70 7661.10 7.2 16.0

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
2" (50mm)	0.0	0.0	0.0	0.0	100.0		100-100	
1 1/2" (37.5mm)	0.0	0.0	0.0	0.0	100.0		95-100	
1" (25mm)	212.3	212.3	2.3	2.3	97.7			
3/4" (19mm)	525.2	737.5	5.8	8.1	91.9		70-95	
1/2" (12.5mm)	1232.3	1969.8	13.5	21.6	78.4			
3/8" (9.5mm)	612.1	2581.9	6.7	28.3	71.7			
#4 (4.75mm)	1657.2	4239.1	18.2	46.5	53.5		40-65	
#8 (2.36mm)	1160.3	5399.4	12.7	59.2	40.8		30-55	
#16 (1.18mm)	742.8	6142.2	8.1	67.3	32.7			
#30 (0.6mm)	532.7	6674.9	5.8	73.2	26.8			
#40 (0.425mm)	6.2	6681.1	0.1	73.2	26.8		16-40	
#50 (0.3mm)	389.0	7070.1	4.3	77.5	22.5			
#100 (0.15mm)	290.1	7360.2	3.2	80.7	19.3			
#200 (75µm)	226.4	7586.6	2.48	83.16	16.84		8-20	
Pan	67.0	7653.6	16.84	100.00	0.00			

CRUSHED CONCRETE (WEST ROBBINS)

DTMT175 Kansas Department Of Transportation PAGE - 1
 Run Date: 06 19 14 Official Quality
 Run Time: 09:30 AM

MF Sample Id: 00928460 SI: E
 Inspector Id: 000509016 RONALD K ARY Resp Loc: 50 Total Samples: 1
 Type Insp: OFQ Date Sampled: 04 07 14 Related Sample Id:
 Type Test: 1 AGGREGATE QUALITY TEST
 Proj Id: Contract #: Line #: Quantity: 0.000
 Producer: CC130400 Name: CORNEJO & SONS (087) Loc: WICHITA St: KS
 Legal Desc: Mix Plant: Name:
 Matrl Cd: 999900517 PCCP (CRUSHED) (OFQ) Desc: Unit: TON
 Qty Represented: 0.000 Nbr of Items: 7 Qty Assigned: 0.000
 Sampled From: STOCK FILE Ledge: Lot/Heat Nbr:
 Lab: AGG Name: AGGREGATE Dates::Shipped: 04 08 14 Received: 04 11 14
 Test Start: 04 11 14 Est Compl: Act Compl: 04 28 14
 Test Result: COMP Authorized By: L. SCHROEDER BY GLP

Remarks:

MRC 14-0667 1-3 DZ
 PCCP FROM MCCONNELL AIR BASE RUNWAY, CRUSHED/STOCKPILED AT CORNEJO
 YARD, 235 AND MACARTHUR, WICHITA, CRUSHER #85.105

Station:	Dist & Lane:	Latitude N:	Longitude W:
2 1.5 1 1/4 1/2	3/8 4 8 16 30 40 50 100 200	00.00000	-000.00000
1 22 50	64 88 99 99 99 99 99.5		6.69

F&T Soundness Ratio: 0.96 % AI: 0.00 % Moist:
 Compressive Strength Ratio: 1 Day: 3 Day: Color Test No:

KT 6 - I	Sp Gr (Dry): 2.229	SP Gr (sat): 2.360	App Sp Gr: 2.565	Abs: 5.9
KT 6 - II	Sp Gr (Dry):	SP Gr (sat):	App Sp Gr:	Abs:
KT 6 - III	Sp Gr:	% Wear (L.A.): 51	Grading: B	%CF:
		Micro Deval & Loss :	Grading:	
Del. Sust.	% Shale:	Soft/Friable:	%Mud Balls:	Sticks:

Remarks:

DATA ON FILE MRC 14-0667 FILE CODE: 1-3



Crushed Concrete (Tensar): Per Addendum is allowed for use as aggregate base under concrete paving, might be used in lieu of AB-3

Gradation Test Report

Plant 520003-West Robbins
 Product 802-2-1/4" Crushed Concrete C.O.W (Tensar)
 Specification 802 - 2-1/4" Crushed Concrete C.O.W (Tensar)



Sample Information

Sample No 515927885
 Date Sampled 05/31/2016 15:00
 Sampled By Carson Lee
 Type Shipping
 Method Loader Stirred

Split Sample
 Resample

Gradation Results

Date Completed 05/31/2016 15:00

Tested By Carson Lee

Unit	Moist Mass	Dry Mass	Wash Mass	Moisture %	Wash Loss %	Procedure
g	8850.20	8175.10	7790.30	8.3	4.7	

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification	Comment
2 1/2" (63mm)	0.0	0.0	0.0	0.0	100.0		100-100	
2" (50mm)	0.0	0.0	0.0	0.0	100.0			
1 1/2" (37.5mm)	1180.1	1180.1	14.4	14.4	85.6			
1" (25mm)	1173.8	2353.9	14.4	28.8	71.2			
3/4" (19mm)	1016.4	3370.3	12.4	41.2	58.8		40-80	
1/2" (12.5mm)	1038.0	4408.3	12.7	53.9	46.1			
3/8" (9.5mm)	334.2	4742.5	4.1	58.0	42.0			
#4 (4.75mm)	790.2	5532.7	9.7	67.7	32.3		20-50	
#10 (2mm)	693.7	6226.4	8.5	76.2	23.8			
#30 (0.6mm)	744.7	6971.1	9.1	85.3	14.7			
#40 (0.425mm)	201.9	7173.0	2.5	87.7	12.3		6-20	
#50 (0.3mm)	204.7	7377.7	2.5	90.2	9.8			
#100 (0.15mm)	261.7	7639.4	3.2	93.4	6.6			
#200 (75µm)	113.5	7752.9	1.39	94.84	5.16		2-10	
Pan	34.4	7787.3	5.16	100.00	0.00			



June 1, 2016

RE: Certification Fill Sand

Fill Sand: to be used for backfill of ductbanks, structures, underslab, etc. as needed. The intention is the native soils material will be sandy and should be used for most, but this product could supplement as needed.

This letter is to certify that the material sold as Fill Sand out of Wichita Sand shall be removed from its naturally bedded state and stockpiled. The largest average sieve size shall be - No. 4. The material shall be clean and free of deleterious material such as sticks, mud, clay, lignite, and shale. Fill Sand does not conform to any specific gradation specification and may vary in size depending on production of material.

If I can be of further assistance, please call me at 316-469-3991

Sincerely,

John Brewer
Sales – Cornejo Materials