

December 11, 2014

REVISED REPORT No 2

**Albuquerque Public Schools
Facilities Design & Construction
915 Oak Street SE
Albuquerque, NM 87106**

Job No:3-30810

PROJECT: Chaparral Elementary School Additions – SO#19

Please find enclosed the following test results conducted on the above referenced Project (SO#19 Permit Work). The following test results were tabulated from a review of the general project test results, and by also conducting additional site specific compaction testing on December 10, 2014.

Results of Field Density tests performed at the above referenced project:

TEST No.	LOCATION	DRY DENSITY (PCF)	% MOISTURE	MAXIMUM DENSITY (PCF)	OPTIMUM MOISTURE	% COMPACTION	% REQUIRED
	12" Storm Drain Backfill Southeast Corner Area						
787 Date 10/29/13	5' East of East Drop Inlet, At existing Grade	118.4	7.5	121.3	9.3	97.6	95
1746 Date 12/10/14	10' West of Head Wall, At Grade	115.7	6.5	121.3	9.3	95.4	95
	30" Storm Drain Backfill Northeast Corner Area						
803 Date 10/30/13	10' East of Manhole, Bottom of Trench	116.3	7.4	121.3	9.3	95.7	95
804 Date 10/30/13	30' East of Manhole, Bottom of Trench	116.2	7.6	121.3	9.3	95.8	95
805 Date 10/30/13	10' East of Manhole, Springline North side	116.7	7.9	121.3	9.3	96.2	95
806 Date 10/30/13	10' East of Manhole, Springline, South Side	117.1	8.1	121.3	9.3	96.5	95

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TEST NO.	LOCATION	DRY DENSITY (PCF)	% MOISTURE	MAXIMUM DENSITY (PCF)	OPTIMUM MOISTURE	% COMPACTION	% REQUIRED
807 Date 10/30/13	30' East of Manhole, Springline, North Side	116.4	7.8	121.3	9.3	96.0	95
808 Date 10/30/13	30' East of Manhole, Springline, South side	116.9	8.0	121.3	9.3	96.4	95
821 Date 10/31/13	10' East of Manhole, at Existing Grade	118.9	9.0	121.3	9.3	98.0	95
822 Date 10/31/13	30' East of Manhole, at Existing Grade	119.5	9.3	121.3	9.3	98.5	95
1747 Date 12/10/14	30" Storm Drain Backfill 5' West of Head Wall, -1.5	115.5	6.3	121.3	9.3	95.2	95
	South Parking Sidewalk, Subgrade						
1682 Date 9/25/13	South Parking Area East Curb Line and Sidewalk Culvert, Finish Grade	116.7	8.3	121.3	9.3	96.4	95

Above test results represent conditions at the described location and elevation at the time of testing. Geo-Test, Inc. makes no recommendations nor conclusions relative to the engineering or scientific aspects of the work performed.

Respectfully submitted:

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December 2, 2013

Albuquerque Public Schools
Facilities Design & Construction
915 Oak Street SE
Albuquerque, NM 87106

Job No.:3-30810

REPORT OF CONCRETE SPECIMENS								
PROJECT:				Chaparral Elementary School Additions				
LOCATION OF SAMPLE:				Northeast Corner Manhole Base and Outlet Head Wall, 30"				
SLUMP(ASTM C-143):				2.5"				
ENTRAINED AIR (ASTM C-231, TYPE B)				7.0%				
YIELD (CU.YDS.):				Batched: 4.0 Calc: 4.0				
WATER/CEMENT RATIO:*				.35				
UNIT WEIGHT:(ASTM C-138)				138.0 lbs/ft ³				
CEMENT FACTOR:*				462.3 lbs/yds ³				
SUPPLIER:				Coyote, Truck #500, Ticket # 187822				
CONCRETE CODE:				156				
SAMPLED BY:				Geo-Test, Inc.				
DATE MOLDED:				11/01/13				
DELIVERED:				11/02/13				
28 DAY DESIGN STRENGTH (psi)				3000				
COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS (ASTM C-39)								
Specimen No.	Specimen Diameter (in)	Specimen Area	Date Tested	Age Days	Total Load (lbs)	Compressive Strength (psi)	28-Day Design Strength	Type Fracture
30810-77	4.00	12.57	11/08/13	7	44680	3560	3000	3
30810-78	4.00	12.57	11/29/13	28	58150	4630	3000	3
30810-79	4.00	12.57	11/29/13	28	63720	5070	3000	3
30810-80	4.00	12.57	11/29/13	28	60920	4850	3000	3

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Concrete Temperature(ASTM C1064): 71°F
Ambient Temperature: 65°F
Water added on site: 0 Gal.

*All Calculations Based on Delivery Ticket Information

Respectfully Submitted:
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March 6, 2014

Albuquerque Public Schools
Facilities Design & Construction
915 Oak Street SE
Albuquerque, NM 87106

Job No.:3-30810

REPORT OF CONCRETE SPECIMENS	
PROJECT:	Chaparral Elementary School Additions
LOCATION OF SAMPLE:	Storm Drain Head Wall 12" Outside Fence, Mechanical Room Pad Extensions, Hot Box Slab
SLUMP:	3.0"
ENTRAINED AIR (ASTM C-231, TYPE B)	5.8%
YIELD (CU.YDS.):	Batched: 5.0 Calc: 5.0
WATER/CEMENT RATIO:*	.45
UNIT WEIGHT:(ASTM C-138)	137.5 lbs/ft³
CEMENT FACTOR:*	375.6 lbs/yds³
SUPPLIER:	Lafarge , Truck #4780201, Ticket # 15105678
CONCRETE CODE:	RMXGE30AB8V
SAMPLED BY:	Geo-Test, Inc.
DATE MOLDED:	2/06/14
DELIVERED:	2/07/14
28 DAY DESIGN STRENGTH (psi)	3000

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS (ASTM C-39)								
Specimen No.	Specimen Diameter (in)	Specimen Area	Date Tested	Age Days	Total Load (lbs)	Compressive Strength (psi)	28-Day Design Strength	Type Fracture
30810-328	4.00	12.57	2/13/14	7	39010	3100	3000	3
30810-329	4.00	12.57	2/13/14	7	41750	3320	3000	3
30810-330	4.00	12.57	2/13/14	7	41370	3290	3000	3
30810-331	4.00	12.57	3/06/14	28	46420	3690	3000	3
30810-332	4.00	12.57	3/06/14	28	47360	3770	3000	3
30810-333	4.00	12.57	3/06/14	28	45210	3600	3000	3
30810-334	4.00	12.57	3/06/14	28	47650	3790	3000	3
30810-335	4.00	12.57	3/06/14	28	47850	3810	3000	3
30810-336	4.00	12.57	3/06/14	28	47040	3740	3000	3

Concrete Temperature(ASTM C1064): 70°F
Ambient Temperature: 22°F
Water added on site: 5 Gal.

*All Calculations Based on Delivery Ticket Information

Respectfully Submitted:
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October 27, 2014

**Albuquerque Public Schools
Facilities Design & Construction
915 Oak Street SE
Albuquerque, NM 87106**

Job No.:3-30810

REPORT OF CONCRETE SPECIMENS	
PROJECT:	Chaparral Elementary School Additions
LOCATION OF SAMPLE:	South Bus Loop South Entrance West Side Entrance West Side Curb Line, Sidewalk Culvert
SLUMP(ASTM C-143):	1.5"
ENTRAINED AIR (ASTM C-231, TYPE B)	5.0%
YIELD (CU.YDS.):	Batched: 10.0 Calc: 9.9
WATER/CEMENT RATIO:*	.42
UNIT WEIGHT:(ASTM C-138)	139.5 lbs/ft ³
CEMENT FACTOR:*	531.7 lbs/yds ³
SUPPLIER:	Coyote, Truck # 79, Ticket # 200342
CONCRETE CODE:	400
SAMPLED BY:	Geo-Test, Inc.
DATE MOLDED:	9/26/14
DELIVERED:	9/27/14
28 DAY DESIGN STRENGTH (psi)	4000

COMPRESSIVE STRENGTH OF CONCRETE SPECIMENS (ASTM C-39)								
Specimen No.	Specimen Diameter (in)	Specimen Area	Date Tested	Age Days	Total Load (lbs)	Compressive Strength (psi)	28-Day Design Strength	Type Fracture
30810-738	4.00	12.57	10/03/14	7	53060	4220	4000	3
30810-739	4.00	12.57	10/24/14	28	62510	4980	4000	3
30810-740	4.00	12.57	10/24/14	28	64860	5160	4000	3
30810-741	4.00	12.57	10/24/14	28	61220	4870	4000	3

Concrete Temperature(ASTM C1064): 78°F
Ambient Temperature: 60°F
Water added on site: 0 Gal.

*All Calculations Based on Delivery Ticket Information

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