

<b>Geotechnical Testing Services, Inc.</b>  1044 East 21ST STREET YUMA, AZ. 85365 (928) 329-4695	<b>LETTER OF TRANSMITTAL</b>
Fax (928) 329-4782	<b>ATTN: Mr. Alan Antonio Quintero P. E.</b>
<b>TO:</b> Yuma County Department of Development Service 2703 South Avenue B Yuma, Arizona 85364	<b>RE:</b>  Compliance Test Reports for 2012/2013 on Recycle Aggregate Base Course from H & S Development, Inc.

WE ARE SENDING YOU:

<input checked="" type="checkbox"/> ATTACHED	<input checked="" type="checkbox"/> UNDER SEPARATE COVER VIA _____ THE FOLLOWING ITEMS
<input type="checkbox"/> INVOICES	<input type="checkbox"/> PRINTS
<input type="checkbox"/> DRAWINGS	<input type="checkbox"/> CHANGE ORDER
<input type="checkbox"/> FILLED SOLICITATION	<input type="checkbox"/> PLANS
<input checked="" type="checkbox"/> CONCRETE MIX DESIGN	<input type="checkbox"/> SPECIFICATIONS

COPIES	DATE	JOB NO.	DESCRIPTION
3	05-Jul-12		Yuma County Recycle Aggregate Base Course Test Results.

THESE ARE TRANSMITTED AS CHECKED BELOW:

<input checked="" type="checkbox"/> FOR APPROVAL	<input type="checkbox"/> APPROVED AS SUBMITTED	<input type="checkbox"/> RESUBMIT _____ COPIES FOR APPROVAL
<input checked="" type="checkbox"/> FOR YOUR USE	<input type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> SUBMIT _____ COPIES FOR DISTRIBUTION
<input checked="" type="checkbox"/> AS REQUESTED	<input type="checkbox"/> RETURNED FOR CORRECTIONS	<input type="checkbox"/> RETURN _____ CORRECTED PRINTS
<input type="checkbox"/> FOR REVIEW AND COMMENT	<input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US	
<input type="checkbox"/> FOR APPROVAL AND PAYMENT	<input type="checkbox"/> _____	

REMARKS:

COPY TO: \_\_\_\_\_ SIGNED:   
 Courtney M. Arviso P.E.

# Geotechnical Testing Services, Inc.

(928) 329-1044 E. 21<sup>st</sup> Street – Yuma, AZ. 85364  
Phone 4695 Fax (928) 329-4782

July 5, 2012

Yuma County Department of Development Services  
2351 W. 26<sup>th</sup> Street  
Yuma, Arizona 85364

Attn.: Mr. Alan Antonio Quintero P.E. – Construction Manager.

RE: Compliance Testing on Recycle ABC from H & S Developers Fortuna Wash Materials  
Pit in Yuma, Arizona.

Dear Mr. Quintero:

Attached are the test results from the Recycle Aggregate Base Course, commodity code 101, that H&S Developers Inc. proposes to sell for use on various Yuma County Projects in the 2012-2013 fiscal years. This Recycle Aggregate Base Course was sampled from the production stockpile at their Fortuna Wash Materials Pit and tested in complete accordance to Section 703 for Base Materials in the Public Works Standards for Yuma County Volume II Specifications by our certified NICET, ACI, and ATTI materials technicians in our testing facilities.

If you have any question on these results please feel free to contact me at (928) 329-4695 in my office at any time

Sincerely,



Courtney M. Arviso, P.E.  
President



# Geotechnical Testing Services, Inc.

1044 E. 21st Street, Yuma, AZ 85365

Phone (928) 329-4695 Fax (928) 329-4782

CUSTOMER:	H&S Development	LAB LOG No.:	12-0250	SAMPLED FROM	-1-1/8" Recycle ABC
PROJECT:	Compliance Testing on ABC	RECEIVED BY:	G.T.S., Inc.		@ Fortuna Wash Pit
		REC. DATE:	R.P.A. Sr. -G.T.S.,Inc.	SOURCE/SUPP.:	H & S Fortuna Wash
LOCATION:	Fortuna Wash Pit, Yuma. AZ.	MAT. DESC.:	Aggregate Base Course	LOCATION:	Pit -- Yuma, AZ.
SAMPLED BY:	R.P.A. Sr. -G.T.S.,Inc.	SAMPLE No.:	012-ABC-0250	TESTED BY:	R.P. Arviso Sr.
DATE/TIME:	5/29/12 @ 10:00 A.M.	SPECIFICATION	<b>YUMA CO./ C.O.Y.</b>	DATE:	7/02/12
SAMPLED AT:	Fortuna Wash Plant New Recycle Aggregate Base Course Stockpile - South from Portable Crushing Plant.				

**Tested in Accordance to ASTM C-136 & 117**

Sieve Size	% Passing	Yuma Co. Specs.	C.O.Y. Specs.
1-1/2"	100		
1-1/8"	100	100	100
1"	100		
3/4"	95		70-100
1/2"	84		
3/8"	73		50-75
1/4"	61		
#4	49	30-70	35-60
#8	34	20-60	
#10	32		25-50
#16	25		
#30	18	10-40	
#40	13		10-30
#50	10		
#100	6		
#200	4.5	3-12	3-12

**#1.- "Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine."**

ASTM C-131-Grading B -- Test Method	Specs.
100 Revolutions	7.1% N/A
500 Revolutions	32.1% 40% Max.

**#2.- "Liquid Limit & Plastic Index"**

AASHTO T-89 & T-90 Test Methods:	Specs.
Liquid Limit (LL) (T-89)	15.06% 25% Max.
Plastic Limit (PL)	(Unable to Roll)
Plastic Index (PI) (T-90)	Non Plastic 5% Max.

**#3- "Percent of Fractured Faces in Coarse Aggregate:"(+ #4 Mat'l)**

ASTM D - 5821 Test Method	Specs.
One or more Faces.	96.6% 50% Min.

Tested By:

*Richard P. Arviso Sr.*  
 NICET, ATTI, & ACI CERTIFIED TECHNICIAN  
 Quality System Manager

Date: 7/25/2012

Submitted