

November 19, 2007

Project No.: 150633

Mr. Yasha Saber Granite Construction Company 8950 Cal Center Drive, Suite 201 Sacramento, California 95826

Subject: Evaluation of Existing Conditions, Roads 19 and 87, Granite Esparto Project

Dear Mr. Saber:

Pursuant to your request, TRC has conducted a field survey to evaluate the road conditions for segments of county Roads 19 and 87 that will be used for Granite Construction Company's proposed Esparto Project haul routes in Yolo County, California. TRC inspected these road segments on November 16, 2007. Results are provided in the attached Table 1. The condition of these road segments ranges from good to fair, in accordance with the explanations provided in the table.

If you have questions, please call.

Joseph L. Stenger

Sincerely,

TRC

Joseph L. Stenger, P.G., REA

Project Director

Attachment (Table 1)

TABLE 1

ROADWAY SEGMENT PAVEMENT CONDITIONS

ROAD	ROADWAY SEGMENT	LANE WIDTH (ft.)	SHOULDER WIDTH ^(t) (ft.)	PAVEMENT CONDITION ⁽²⁾
Road 19	Road 87 to I-505	10-12	0-4	Good to Fair ⁽³⁾
Road 87	SR 16 to Road 19	12	0-4	Good to Fair ⁽⁴⁾

- (1) Observed width of paved shoulder.
- (2) Based on field observations. "Good" pavement is defined as generally smooth surface with limited cracking. "Fair" pavement is defined as slightly rough with some cracking. "Poor" pavement is defined as noticeably rough with considerable cracking and some potholes.
- (3) Road 19 has a recent slurry seal and is in good condition over the western approximately two-thirds of the subject road segment. The eastern approximately one-third of the subject road segment is in fair condition.
- (4) Road 87 is in good condition south of Cache Creek, and fair condition north of Cache Creek.

		COUNTY ROAD 87 PAVEMENT DISTRESSES	T DISTRESS	ES			
District Moodooniem	Sample No	Description	Distress	Quanity	Quantity Units	SEVERITY	PCI
DISITESS INFOIDEMENT	3ampre 110.	ATTIGATOR CRACKING	_	144	SqFt	н	17
Climate/Durability	۷ ۳	ATTIGATOR CRACKING	p==4	135	SqFt	Ħ	28
Climate/Durability	ין ני	ALLIGATOR CRACKING	1	204	SqFt	н	11
Climate/Duraounty	•		Total	483			
(4) (1) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	٢	ALLIGATOR CRACKING	-	252	SqFt	Σ	Ξ
Climate/Durability	· «	ALLIGATOR CRACKING	1	1,049.99	SqFt	Σ	17
Cilifiate/ Duraumity	o		Total	1301.99			
/tilisacte/Durability	C	DEPRESSION	9	144	SqFt	Н	17
Cilliate/ Dut aviiity	ł		Total	144			
Olimpto Dumbility	0	DEPRESSION	9	1,312.99	SqFt	L	17
Climate/Durability	1 00	DEPRESSION	9	839.99	SąFt	J	17
Cilliate/ Dui auting	•		Total	2,152.98			
Wilidemich (Abanith)	6	LONGITUDINAL/TRANSVERSE CRACKING	10	103.53	Ŧ	Σ	17
Cilliate/Durability	1		Total	103.53			
Olinoto (D. Wobility)	_	PATCH/UTILITY CUT	11	2,499.98	SqFt	IJ	<i>L</i> 9
Climate/Durability	, (r	PATCH/UTILITY CUT	11	1,013.99	SqFt	1	78
Climate/Durability	1 4	PATCH/UTILITY CUT	11	577.5	SqFt	J	53
Climate/Durability	۰ ۷۰	PATCH/UTILITY CUT	11	1,249.99	SqFt	ᆈ	67
Climate/Durability	n vo	PATCH/UTILITY CUT	11	1,119.99	SqFt	L	49
Climate/Durability) F	PATCH/UTILITY CUT	11	656.69	SqFt	L	11
Cillilato/Duraolinty	•		Total	7,091.44			
Olimeto Mility	"	PATCH/UTILITY CUT	11	259	SqFt	Σ	28
Climate/Dut admity) 5	PATCH/ITILITY CUT	11	434	SqFt	Σ	23
Climate/Durability	r v	PATCH/UTILITY CUT	11	420	SqFt	Σ	49
Cliffate/ Dut aoimy	>		Total	1,113.00			
Olimoto (Dunohility	×	WEATHERING/RAVELING	19	1,249.99	SqFt	ı	17
Chillate/ Duraumy)		Total	1,249.99			
Olimpto (Portobility	7	WEATHERING/RAVELING	61	1,413.99	SqFt	Σ	=
Climate/Durability	- «	WEATHERING/RAVELING	19	1,249.98	SqFt	Σ	17
Cililiate/ Dui avining	,		Total	2,663.97			

`

· . . >

Date: 11/20/2007

Section Condition Report

2 of 2

Pavement Database:

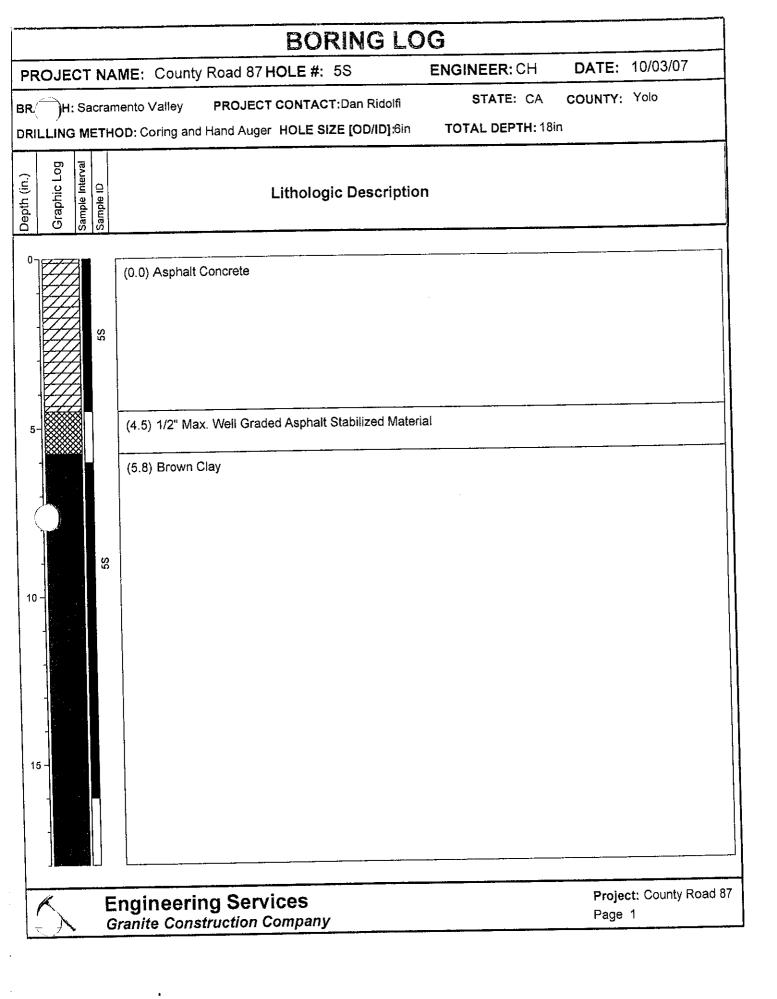
Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI
26-30	30.00	190,080.00	1	39.00	0.00	39.00
All	30.00	190,080.00	1	39.00	0.00	39.00

									B	OR	IN	GL	O	.		<i>-</i>				
PR	OJE	CT	NAI	ME:	Col	unty	Road	87 H	OLE	#: 1	S		Ε	NGI	NEER	:CH	DA	TE:	10/03/	07
	<u></u> н						PROJ					Ridolfi			STATE	: CA	cour	NTY:	Yolo	
						-)/ [D] :6ir	1	TOT	AL DEI	PTH: 16i	n			
Depth (in.)	Graphic Log	Sample Interval	Sample ID					L	_itho	logic	: Des	script	ion							
0-			18	(0.0)	Asp	halt C	oncrete						<u>,,</u>							
5	NO SOS OS O	10 aU 0 aU 0 aU 0 aU 0 aU 0 aU 0		(2.8) Agg	regat	e Base													
10		4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18	(9.	5) Sa	nd wi	th Grav	/el								-				
	<u>/</u>		E G	ngi _{rani}	ne te C	erir ons	ng So	ervi on C	ces	any								Proje Page		nty Road 8

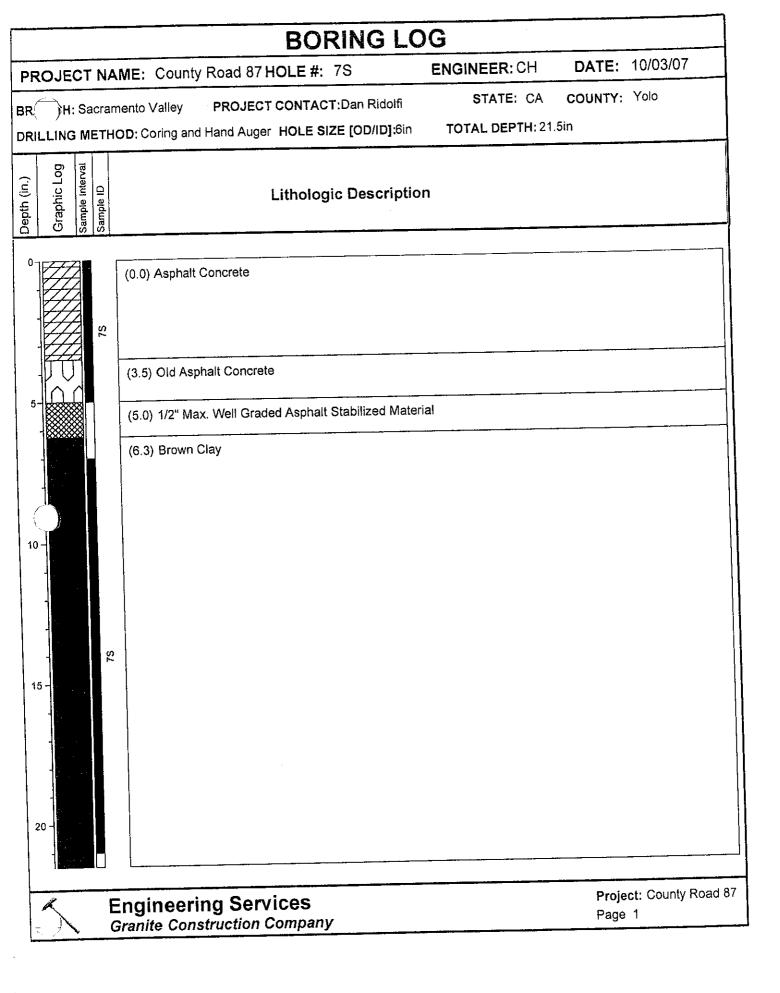
ROJECT NA	ME: Co	ounty Road 87	BORING HOLE #: 2S	ENGINEER: CH	DATE:	10/03/07
H: Sacram	nento Vall	ey PROJEC	T CONTACT:Dan Ride		COUNTY:	Yolo
Graphic Log Sample Interval Sample ID			Lithologic Descr	iption		
25	(0.0) As	phalt Concrete				
00000	(3.0) Ag	gregate Base				
	(7.0) Sá	and with Gravel				
\$ \$ \$ \$ \$ \$						
15 - O						ot. County Box
E	ingine Granite (ering Serv	/ices Company		Proje	ct: County Road

BORING LOG DATE: 10/03/07 PROJECT NAME: County Road 87 HOLE #: 3S ENGINEER: CH COUNTY: Yolo STATE: CA PROJECT CONTACT: Dan Ridolfi H: Sacramento Valley DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 18in Graphic Log Sample Interval Depth (in.) Sample ID Lithologic Description (0.0) Asphalt Concrete 33 (2.0) 1/2" Max. Well Graded Asphalt Stabilized Material (3.0) Sand with Gravel Project: County Road 87 **Engineering Services** Page 1 **Granite Construction Company**

PROJECT NAME: County Road 87 HOLE #: 4S ENGINEER: CH DATE: BR H: Sacramento Valley PROJECT CONTACT: Dan Ridolfi STATE: CA COUNTY: DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 12.5in Lithologic Description (C.) Asphalt Concrete	
DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 12.5in Lithologic Description (0.0) Asphalt Concrete	10/03/07
(0.0) Asphalt Concrete	Yolo
φ (2.8) Old Asphalt Concrete	
(6.3) 1/2" Max. Well Graded Asphalt Stabilized Material (8.3) Brown Clay	
10-	
Engineering Services Granite Construction Company Page	ct: County Road 8



		BORING LC	JG		
PROJECT NA	ME: County	Road 87 HOLE #: 6S	ENGINEER: CH	DATE:	10/03/07
		PROJECT CONTACT: Dan Ridolfi Hand Auger HOLE SIZE [OD/ID]:6in	STATE: CA TOTAL DEPTH: 18.	COUNTY:	Yolo
Depth (in.) Graphic Log Sample Interval Sample ID		Lithologic Descriptio	on		
0	(0.0) Asphalt (Concrete			
000%	(1.3) Old Asph	nalt Concrete			
55 TO	(4.8) Sand wi	th Gravel			
K E	ngineeri	ng Services truction Company		Proje Page	ct: County Road 87 1



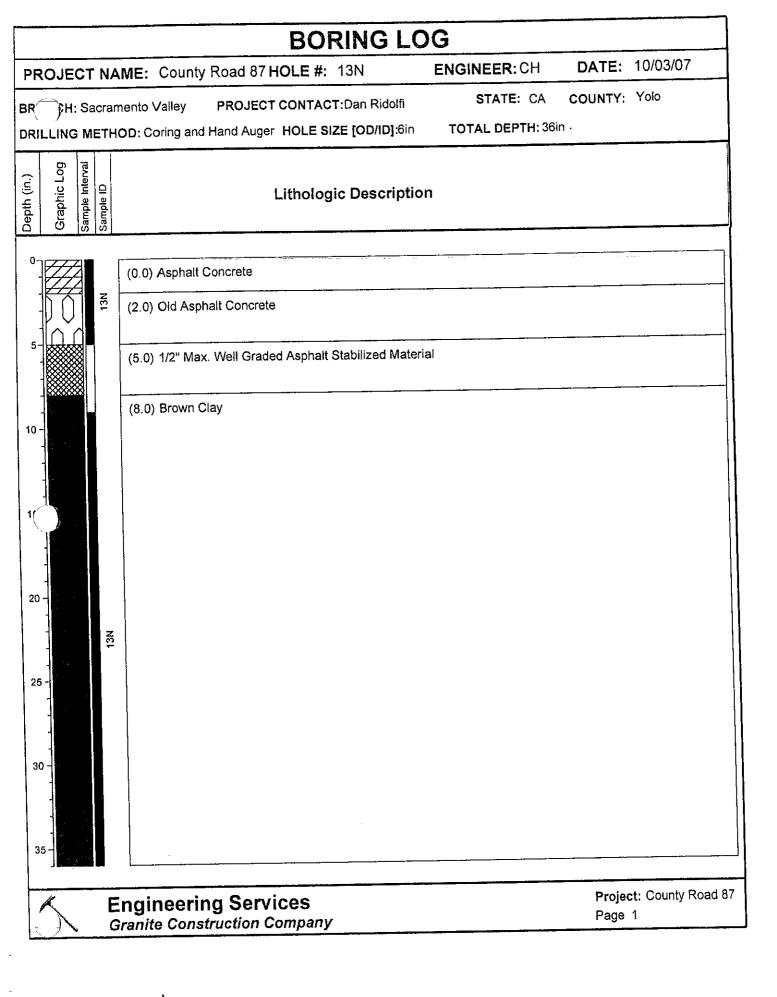
BORING LOG DATE: 10/03/07 PROJECT NAME: County Road 87 HOLE #: 8S **ENGINEER:** CH COUNTY: Yolo STATE: CA PROJECT CONTACT: Dan Ridolfi BR H: Sacramento Valley DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 30in Graphic Log Sample Interval Depth (in.) Lithologic Description Sample 1 (0.0) Asphalt Concrete (2.3) Old Asphalt Concrete (5.8) Sand with Gravel (7.3) Brown Clay 10 15 -20 Project: County Road 87 **Engineering Services** Page 1 Granite Construction Company

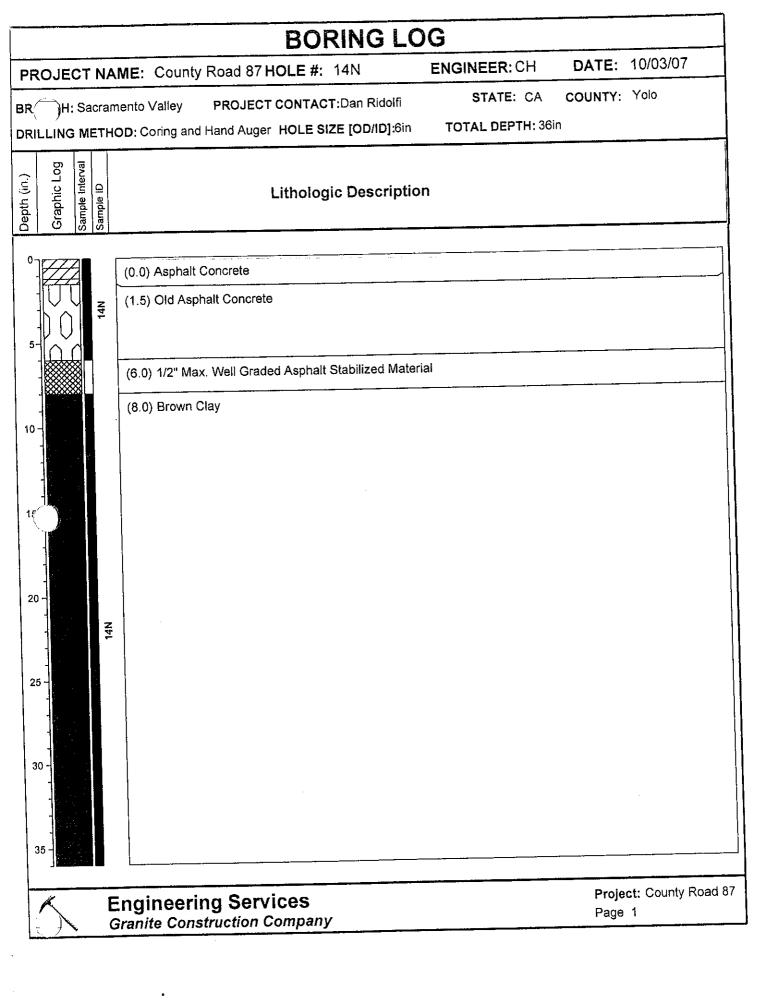
	BORING LO	G		
PROJECT NAME: C	County Road 87 HOLE #: 9S	ENGINEER: CH	DATE:	10/03/07
BR H: Sacramento Va		STATE: CA	COUNTY:	Yolo
DRILLING METHOD: Cor	ing and Hand Auger HOLE SIZE [OD/ID]:6in	TOTAL DEPTH: N/A		
Depth (in.) Graphic Log Sample Interval Sample ID	Lithologic Description	1		
0 (0.0) N	NO TEST PERFORMED			
Engir Granite	neering Services • Construction Company		Proje Page	ect: County Road 87

				NG LO		DATE:	40/02/07
ROJECT NA	ME:	County Roa	ad 87 HOLE # : 10	S	ENGINEER: CH		10/03/07
R		•	OJECT CONTACT:Da		STATE: CA	COUNTY:	YOIO
RILLING METHO	OD: C	oring and Han	d Auger HOLE SIZE [OD/ID]:6in	TOTAL DEPTH: 17ir	1 	
Graphic Log Sample Interval			Lithologic [Description	n		
\tilde{s}	(0.0)	Asphalt Conc	rete	*			
5-10	(2.0)) Old Asphalt (concrete				
4 Sol	(6.0) 1/2" Max. We	ell Graded Asphalt Sta	bilized Mater	ial		
10	(7.5	i) Brown Claye	y Sand				
10S-B							
15							
	······································		Saminas			Proje	ct: County Road
E	:ngi	meering to Constru	Services tion Company			Page	

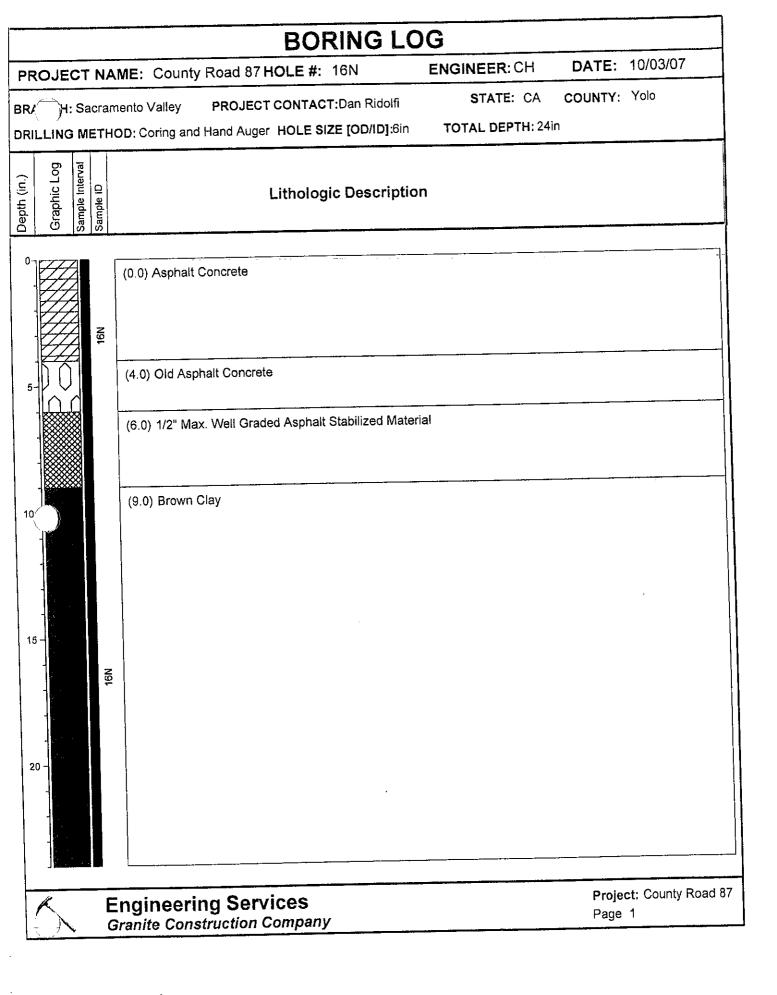
		BORING LO	OG		
PROJECT NAM	VIE: County	Road 87 HOLE #: 11N	ENGINEER: CH	DATE:	10/03/07
BR/ H: Sacrame	ento Valley	PROJECT CONTACT:Dan Ridolfi Hand Auger HOLE SIZE [OD/ID]:6in	STATE: CA TOTAL DEPTH: 16	COUNTY:	Yolo
Depth (in.) Graphic Log Sample Interval Sample ID		Lithologic Descripti	on		
0	(0.0) Asphalt	Concrete	•		
5-10	(2.0) Old Asp	halt Concrete			
10 - NE	(8.0) Brown	Clay			
/ E	ngineer Granite Con	ng Services struction Company		Proje Page	ect: County Road 8

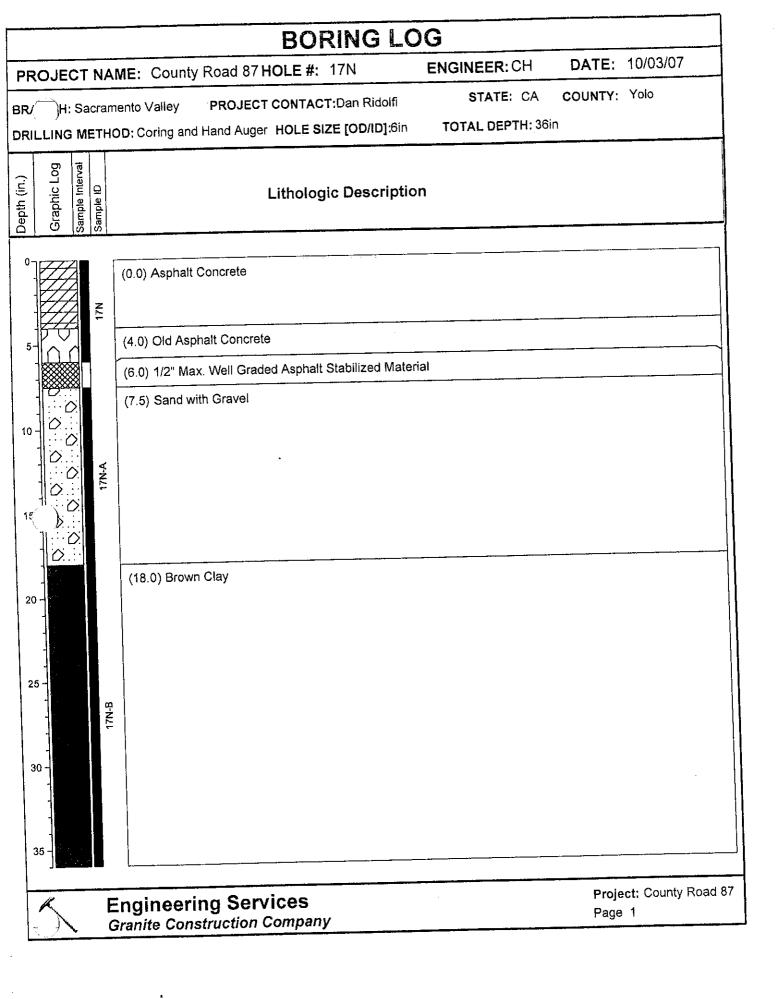
BORING LOG DATE: 10/03/07 PROJECT NAME: County Road 87 HOLE #: 12N ENGINEER: CH COUNTY: 24in STATE: CA PROJECT CONTACT: Dan Ridolfi H: Sacramento Valley DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 24in Sample interval Sample ID Graphic Log Depth (in.) Lithologic Description (0.0) Asphalt Concrete 12N (5.0) 1/2" Max. Well Graded Asphalt Stabilized Material (6.5) Brown Clay <u>2</u>N 20 Project: County Road 87 **Engineering Services** Page 1 **Granite Construction Company**



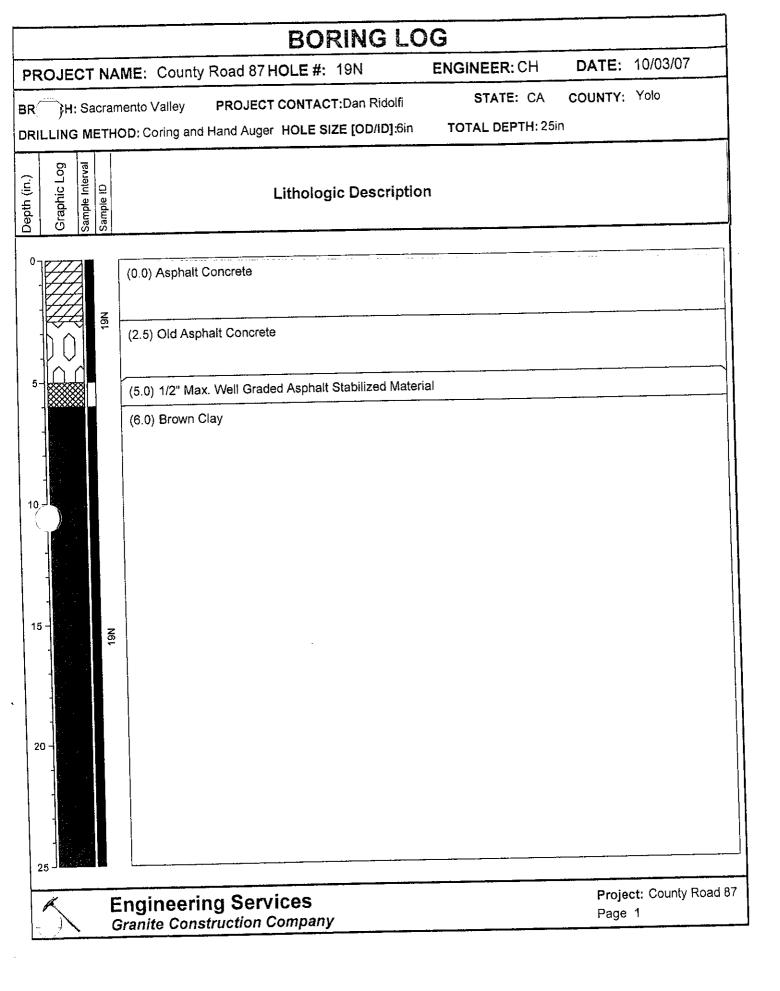


PROJECT NAME: County Road 87 HOLE #: 15N ENGINEER: CH DATE: 10/03/07 BRATH Secramento Valley PROJECT CONTACT: Dan Ridolil TOTAL DEPTH: N/A Project: County Frage 1 Proje			BORING LOG			
BRY H: Sacramente Valley PROJECT CONTACT:Dan Ridolfi STATE: CA COUNTY: Yold DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: N/A Lithologic Description (0.0) NO TEST PERFORMED Engineering Services Project: County Figure 1.00 Project: County Figure 2.00	PROJEC	T N	AME: County Road 87 HOLE #: 15N ENGIN	NEER: CH	DATE:	10/03/07
Lithologic Description (0.0) NO TEST PERFORMED Engineering Services Project: County Faces Project: County F			mento valley PROJECT CONTACT. Dair redoin		COUNTY:	Yolo
Engineering Services Project: County F		 				
Eligineering Services	5-1		(0.0) NO TEST PERFORMED			
	K - N		Engineering Services Granite Construction Company			ct: County Road 87





BORING LOG DATE: 10/03/07 PROJECT NAME: County Road 87 HOLE #: 18N **ENGINEER:** CH STATE: CA COUNTY: Yolo PROJECT CONTACT: Dan Ridolfi CH: Sacramento Valley DRILLING METHOD: Coring and Hand Auger HOLE SIZE [OD/ID]:6in TOTAL DEPTH: 11.5in Sample Interval Graphic Log Depth (in.) Sample ID Lithologic Description (0.0) Asphalt Concrete (4.5) 1/2" Max. Well Graded Asphalt Stabilized Material (5.5) Brown Clay 8 8 8 10-Project: County Road 87 **Engineering Services** Page 1 Granite Construction Company



		BORING LC)G		
PROJEC1	T NA	ME: County Road 87 HOLE #: 20N	ENGINEER: CH	DATE:	10/03/07
 BR∕`}H: Sa			STATE: CA	COUNTY:	Yolo
		D: Coring and Hand Auger HOLE SIZE [OD/ID]:6in	TOTAL DEPTH: 21in		
Depth (in.) Graphic Log Sample Interval	Sample ID	Lithologic Descriptio	n		
٥٦		(0.0) Asphalt Concrete			
	20N	(1.0) Old Asphalt Concrete			
5-		(5.0) 1/2" Max. Well Graded Asphalt Stabilized Mater	ial		
000000	26N-A	(6.5) Sand with Gravel			
15 - 1 - 3	20N-B	(13.5) Brown Silty Sand with Clay			
-	E G	ngineering Services ranite Construction Company		Proje Page	ct: County Road 87 1