

PATRICK ENGINEERING & SURVEYING

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SUBJECT: Cost Breakdown for a Grading Plan Through the Grading Department on APN

NOTE: COUNTY WILL NOT ISSUE FINAL APPROVAL UNTIL ALL ASPECTS ARE COMPLETED

COST BREAKDOWN:

I. Topographical Map

A. Office

- 1. Research
3.0 hrs. @ \$170.00/hr. = \$ 510.00
- 2. Prep for Survey;
Initial Drafting
4.0 hrs. @ \$115.00/hr. = \$ 460.00
- 3. Create Surface Model
with Contours
4.0 hrs. @ \$100.00/hr. = \$ 400.00

\$ 1,370.00

B. Field

- A. Site Inspection
1.0 hrs. @ \$170.00/hr. = \$ 170.00
2.0 hrs. @ \$100.00/hr. = \$ 200.00
- B. Set Control/Topo
8.0 hrs. @ \$180.00/hr. = \$1,440.00

\$ 1,810.00

\$ 3,180.00

II. Planning (Depending on Project)

A.	Site Study		
	8.0 hrs. @ \$170.00/hr. =	\$ 1,360.00	
B.	Meetings with Client		
	6.0 hrs. @ \$170.00/hr. = \$1,020.00		
	2.0 hrs. @ \$100.00/hr. = <u>\$ 200.00</u>		
		<u>\$ 1,220.00</u>	\$ 2,580.00

III. Grading Plan

A.	Front Sheet		
	4.0 hrs. @ \$100.00/hr. =	\$ 400.00	
B.	Visit Site		
	2.0 hrs. @ \$100.00/hr. =	\$ 200.00	
C.	Design		
	16.0 hrs. @ \$115.00/hr. =	\$ 1,840.00	
D.	Draft		
	16.0 hrs. @ \$100.00/hr. =	\$ 1,600.00	
E.	Hydraulic Calcs		
	2.0 hrs. @ \$170.00/hr. = \$ 340.00		
	1.0 hrs. @ \$ 90.00/hr. = <u>\$ 90.00</u>		
		\$ 430.00	
F.	Septic Layout Design		
1.	Layout		
	4.0 hrs. @ \$170.00/hr. = \$ 680.00		
	8.0 hrs. @ \$115.00/hr. = \$ 920.00		
2.	Processing Forms		
	1.0 hrs. @ \$170.00/hr. = \$ 170.00		
	1.0 hrs. @ \$ 90.00/hr. = \$ 90.00		
3.	Calcs		
	4.0 hrs. @ \$170.00/hr. = \$ 680.00		
	1.0 hrs. @ \$ 90.00/hr. = \$ 90.00		
4.	Submittal		
	2.0 hrs. @ \$170.00/hr. = \$ 340.00		
	County Fee = \$ 960.00		
5.	Site Inspection with San Diego County Inspector		
	1.0 hrs. @ \$100.00/hr. = <u>\$ 100.00</u>		
		\$ 1,949.00	

G.	Landscape Plan *		
		2.0 hrs. @ \$170.00/hr. = \$ 340.00	
		6.0 hrs. @ \$100.00/hr. = <u>\$ 600.00</u>	
			\$ 940.00
H.	County Required Cost Estimate		
		2.0 hrs. @ \$170.00/hr. = \$ 340.00	
		1.0 hrs. @ \$ 90.00/hr. = <u>\$ 90.00</u>	
			\$ 430.00
I.	Plot		
		3.0 hrs. @ \$100.00/hr. = \$ 300.00	
		2.0 hrs. @ \$ 90.00/hr. = <u>\$ 180.00</u>	
			\$ 480.00
J.	Best Management Practices (Required by San Diego County)		
	1. Forms/Copies		
		4.0 hrs. @ \$170.00/hr. = \$ 680.00	
		2.0 hrs. @ \$ 90.00/hr. = \$ 180.00	
	2. BMP Diagrams and Notes on Grading Plans		
		4.0 hrs. @ \$100.00/hr. = <u>\$ 400.00</u>	
			\$ 1,260.00
K.	Processing		
	1. Department of Public Works		
		4.0 hrs. @ \$170.00/hr. = \$ 680.00	
	Fees		
	Permit Deposit/Plan		
	Check Deposit	= <u>\$1,430.00</u>	(\$2,240.00 for Major GP)
			\$ 2,110.00
L.	Corrections (Average Grading Plan at San Diego County takes 3.75 checks. The following hours are already times 3.)		
		8.0 hrs. @ \$170.00/hr. = \$1,360.00	
		16.0 hrs. @ \$100.00/hr. = <u>\$1,600.00</u>	
			\$ 2,960.00

* The landscape plan only satisfies the minimal requirements of San Diego County for approval of the grading plans to show slope protection and required tree replacement. For detailed landscape design, please contact a landscape architect.

M. Environmental Review and Report NOTE: This is just an estimate because the Environmental Department can ask for whatever they want.)

1.	Biology Report	\$4,000.00	
2.	AEIS		
	4.0 hrs. @ \$170.00/hr. = \$	680.00	
	2.0 hrs. @ \$100.00/hr. = \$	200.00	
	3.0 hrs. @ \$ 90.00/hr. = \$	270.00	
3.	Draft Miscellaneous Forms/Read Reports		
	12.0 hrs. @ \$170.00/hr. = \$	2,040.00	
	4.0 hrs. @ \$100.00/hr. = \$	400.00	
4.	County Fees/Deposits		
	a. Open Space	\$ 400.00	
	b. Grading Plan Review	\$2,600.00*	
	c. Environmental Review	\$1,200.00*	
	d. File Appeal (\$300)		
	e. Deposit	\$ 500.00	
	f. Prints	\$ 50.00	
	g. California Department of Fish and Game	\$1,275.00	
5.	Slope Analysis		
	10.0 hrs. @ \$100.00/hr. = \$	1,000.00	
6.	Processing Time		
	4.0 hrs. @ \$170.00/hr. = \$	<u>680.00</u>	
			<u>\$15,295.00</u>
			\$29,894.00

* Past history indicates they may require additional fees (2nd submittal) to equal \$5,465.00 (DPLU Planning = \$1000; DPLU Environmental = \$3975; DPW = \$490)

NOTE: Requested changes will be billed at \$100.00/hour.

IV. Other Items Required

A. Encroachment or C Permit

1. County Fee = \$ 330.00
2. Required Plat
4.0 hrs. @ \$100.00/hr. = \$ 400.00
3. Processing
2.0 hrs. @ \$170.00/hr. = \$ 340.00

\$ 1,070.00

B. Soils Engineer

1. Compaction Test &
Report for San Diego
County (**Done by
Others**) = \$1,800.00

\$ 1,070.00

V. Supervision & Inspections

A. Obtain Bids

4.0 hrs. @ \$170.00/hr. = \$ 680.00

B. Meetings

3.0 hrs. @ \$170.00/hr. = \$ 510.00

C. Construction and BMP
Inspections/Coordination

1. Construction/BMP
Inspections
8.0 hrs. @ \$170.00/hr. = \$1,360.00
4.0 hrs. @ \$100.00/hr. = \$ 400.00

2. Notices (from
inspections) to County
12.0 hrs. @ \$170.00/hr. = \$2,040.00

\$ 3,800.00

D. Grading Plan Signed Off
with San Diego County

1. Soils Report
2. As Builts
3. Release Notices
8.0 hrs. @ \$170.00/hr. = \$ 1,360.00

\$ 1,360.00

\$ 6,350.00

TOTAL

\$43,074.00

VI. Items Which May be Required

A. Grade Staking - (If Required)

Estimate Only

1. Office
Prep
4 hrs.@\$100/hr. =\$ 400

Upload Points
2 hrs.@\$115/hr.=\$ 230
\$ 630

2. Field

Grade Stake
16hrs.@\$180/hr.=\$2880

Stake Clearing
Limits
6 hrs.@\$180/hr.=\$1080

Stake Wall
2 hrs.@\$180/hr.=\$ 360
\$4320

B. County Fees and Bond Required to Obtain Permit at the Grading Department. They are dependent on yards moved, required landscape and structures (culverts, et cetera.)]

1. Cash Deposit
2. Structural Inspection
3. Grading Inspection
4. Grading Bond-Letter of Credit

ALL ONGOING PROJECTS ARE BILLED ON A MONTHLY BASIS, AND PAYMENT IS EXPECTED UPON RECEIPT OF AN INVOICE.

TERMINATION OF THIS CONTRACT BY EITHER PARTY MUST BE IN WRITING. IF THE CLIENT TERMINATES THIS CONTRACT, ALL COSTS INCURRED THROUGH THE DATE OF TERMINATION MUST BE PAID IN FULL.

ALL CHANGES, ADDITIONS OR DELETIONS WILL BE MADE BY CHANGE ORDERS AND MUST BE AGREED TO BY ALL PARTIES.

PATRICK ENGINEERING AND SURVEYING HOURLY RATES:

ENGINEER	\$170.00/HOUR
DESIGNER	\$115.00/HOUR
DRAFTSPERSON	\$100.00/HOUR
PROJECT COORDINATOR	\$ 90.00/HOUR
SURVEY CREW (2 MAN CREW)	\$180.00/HOUR
SURVEY CREW (1 MAN CREW)	\$125.00/HOUR

PATRICK L. BROWN, RCE #18067

ACCEPTANCE:

UPON REVIEW AND CONSIDERATION, I, (WE) _____, THE UNDERSIGNED, HEREBY ACCEPT THIS CONTRACT WITH PATRICK ENGINEERING AND SURVEYING AND AUTHORIZE WORK TO COMMENCE UPON RECEIPT OF THIS SIGNED DOCUMENT AND OUR CHECK IN THE AMOUNT OF \$8,200.00.

SIGNATURE

DATE

SIGNATURE

DATE