

PATRICK ENGINEERING & SURVEYING

Patrick L. Brown, R.C.E. 18067
2110 Main Street, Suite A
Post Office Box 442
Julian, California 92036
Office (760) 765-1343/Fax (760) 765-2081
E-mail: patrickeng@sbcglobal.net

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

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
2.0 hrs. @ \$115.00/hr. = \$ 230.00
3. Create Surface Model
with Contours
4.0 hrs. @ \$100.00/hr. = \$ 400.00

\$1,140.00

B. Field

1. Visit Site
1.0 hrs. @ \$170.00/hr. = \$ 170.00
2. Set Control/Topo
8.0 hrs. @ \$180.00/hr. = \$1,440.00

\$1,610.00

\$ 2,980.00

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. = 200.00

\$1,220.00

\$ 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.	Plot		
	3.0 hrs. @ \$100.00/hr. = \$ 300.00		
	1.5 hrs. @ \$ 90.00/hr. = <u>\$ 135.00</u>		
		\$	435.00
G.	Corrections to Grading Plan Prior to Initial Submittal		
	4.0 hrs. @ \$170.00/hr. = \$ 680.00		
	2.0 hrs. @ \$100.00/hr. = <u>\$ 200.00</u>		
		\$	880.00
H.	Site Plan for Building Permit		
	4.0 hrs. @ \$100.00/hr. =	\$	400.00
H.	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	
I.	Septic Layout		
1.	Layout		
	4.0 hrs. @ \$100.00/hr. = \$ 400.00		
2.	Processing Forms		
	1.0 hrs. @ \$170.00/hr. = \$ 170.00		
	1.0 hrs. @ \$ 90.00/hr. = \$ 90.00		

- 3. Submittal
 - 2.0 hrs. @ \$170.00/hr. = \$ 340.00
 - County Fee = \$ 832.00
 - 4. Site Inspection with San Diego County Inspector
 - 1.0 hrs. @ \$100.00/hr. = \$ 100.00
- \$1,932.00

J. Processing - Grading Plan
(Initial submittal to be done by architect or owner with the building plans.)

NOTE: Plans to be picked up, corrected and re-submitted to the Building Department, including obtaining permit by Patrick Engineering.

K. Corrections/Final Processing

- 1. Pick-up and Re-process
 - 8.0 hrs. @ \$170.00/hr. = \$1,360.00
 - Grading Fees = \$ 350.00
 - 2. Corrections (For 3 Submittals to County)
 - 12.0 hrs. @ \$170.00/hr. = \$2,040.00
 - 8.0 hrs. @ \$100.00/hr. = \$ 800.00
 - 3. Fire Department and Health Department Approval
 - 2.0 hrs. @ \$170.00/hr. = \$ 340.00
- \$3,810.00

\$14,267.00

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		
C.	Environmental Report (If required by County)	_____	\$ 1,070.00
V.	Supervision & Inspections		
A.	Meetings 3.0 hrs. @ \$170.00/hr. =	\$ 510.00	
B.	Construction Inspections/ Coordination		
1.	Construction and BMP Inspections 8.0 hrs. @ \$170.00/hr. = \$1,360.00 4.0 hrs. @ \$100.00/hr. = \$ 400.00		
2.	Notices (from inspec- tions) to County 12.0 hrs. @ \$170.00/hr. = <u>\$2,040.00</u>	\$3,800.00	
C.	Grading Plan Signed Off with San Diego County		
1.	Soils Report		
2.	As Builts		
3.	Release Notices 8.0 hrs. @ \$170.00/hr. =	<u>\$1,360.00</u>	<u>\$ 5,670.00</u>
TOTAL			\$26,567.00
VI.	Items Which May be Required		
A.	Landscape Plan (if required) 4 hrs.@ \$ 100/hr.= \$ 400*		
B.	Slope Analysis (If necessary) 10 hrs.@ \$ 100/hr.= \$1000		

* 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.

C. Grade Staking
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 (Includes
Prep Time)
4 hrs.@\$100/hr.= \$ 400
6 hrs.@\$180/hr.= \$1080

Stake Wall
2 hrs.@\$180/hr.= \$ 360
\$4720

SAMPLE

ALL PROJECTS ARE BILLED ON A PROGRESS 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 \$13,283.50.

SIGNATURE

DATE

SIGNATURE

DATE