

PATRICK ENGINEERING AND SURVEYING

Patrick L. Brown, RCE #18067
2110 Main Street, Suite A
Post Office Box 442
Julian, California 92036-0442
Office (760) 765-1343/ Fax (760) 765-2081
Email: patrickeng@sbcglobal.net

NOTE: THE COUNTY WILL NOT ISSUE FINAL APPROVAL UNTIL PLANS ARE COMPLETED.

SUBJECT: Cost Estimate for a Site Plan with Grading Plan on

COST ESTIMATE:

I.	Topographical Map			
A.	Research	3.0 hrs. @ \$170.00/hr. =	\$ 510.00	
B.	Visit Site	1.0 hrs. @ \$170.00/hr. = \$ 170.00 1.0 hrs. @ \$100.00/hr. = <u>\$ 100.00</u>	\$ 270.00	
C.	Prep for Survey/Initial Drafting	5.0 hrs. @ \$100.00/hr. =	\$ 500.00	
D.	Set Control/Topo	8.0 hrs. @ \$180.00/hr. =	\$ 1,440.00	
E.	Generate Topo Map	4.0 hrs. @ \$100.00/hr. =	<u>\$ 400.00</u>	
				\$ 3,120.00

II. Planning (Depending on Project)

A. Site Study (Planning)

8.0 hrs. @ \$170.00/hr. = \$1,360.00

4.0 hrs. @ \$100.00/hr. = \$ 400.00

\$ 1,760.00

B. Meetings with Client/Telephone

6.0 hrs. @ \$170.00/hr. = \$1,020.00

2.0 hrs. @ \$100.00/hr. = \$ 200.00

\$ 1,220.00

C. Redesign/Redraft (If Necessary)

8 hrs. @ \$ 90/hr. = \$ 720

4 hrs. @ \$125/hr. = \$ 500

\$1220

\$ 2,980.00

III. Site Plan

A. Front Sheet

4.0 hrs. @ \$100.00/hr. =

\$ 400.00

B. Site Plan

1. Lot Contours & Trees

12.0 hrs. @ \$100.00/hr. = \$1,200.00

2. Tree List & Notes

8.0 hrs. @ \$100.00/hr. = \$ 800.00

3. Grading Detail for Site Plan

2.0 hrs. @ \$170.00/hr. = \$ 340.00

8.0 hrs. @ \$100.00/hr. = \$ 800.00

\$ 3,140.00

C. Planning and Land Use Requirements

1. Forms

2.0 hrs. @ \$170.00/hr. = \$ 340.00

2. Slope Analysis

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

3. Three Copies of all Documents

4.0 hrs. @ \$ 90.00/hr. = \$ 360.00

4. Evidence of Legal Parcel

1.0 hrs. @ \$170.00/hr. = \$ 170.00

- 5. Disclosure Statement
1.0 hrs. @ \$170.00/hr. = \$ 170.00
 - 6. Service Availability Letters
4.0 hrs. @ \$ 90.00/hr. = \$ 360.00
 - 7. Public Notice Package
8.0 hrs. @ \$ 90.00/hr. = \$ 720.00
 - 8. Vicinity Map (Revise Old)
1.0 hrs. @ \$ 90.00/hr. = \$ 90.00
 - 9. Hazardous Waste and/or
Substance Site Verification
Form
1.0 hrs. @ \$170.00/hr. = \$ 170.00
 - 10. Prints & Required Folding
3.0 hrs. @ \$ 90.00/hr. = \$ 270.00 \$ 3,340.00
- D. Processing (**By appointment only**)
- 1. San Diego County Submittal
8.0 hrs. @ \$170.00/hr. = \$1,360.00
San Diego County Fees
And Deposits =±\$8500.00
 - 2. Coordination with Planner
8.0 hrs. @ \$170.00/hr. = \$1,360.00
 - 3. Julian Planning Group Site
Visit
2.0 hrs. @ \$170.00/hr. = \$ 340.00 \$11,560.00
- E. Review Final Notice
1.0 hrs. @ \$170.00/hr. = \$ 170.00

F. Corrections

1. Draft

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

8.0 hrs. @ \$100.00/hr. = \$ 800.00

2. Plot/Prints

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

2.0 hrs. @ \$100.00/hr. = \$ 200.00

\$ 2,190.00

\$20,800.00

SUB TOTAL - SITE PLAN

\$26,900.00

GRADING PLAN:

No grading plan is required if cuts are less than 8', fills are less than 3' and there is less than 200 yd.³ moved.

Grading plans are less expensive if submitted through the Building Department. The following estimate assumes the topo, planning and environmental issues have been removed with the Site Plan.

The grading plans require the same information presented on the Site Plan only in a different format with different notes.

IV. Grading Plan

A. Front Sheet

4.0 hrs. @ \$100.00/hr. = \$ 400.00

B. Draft

16.0 hrs. @ \$100.00/hr. = \$ 1,600.00

C. Hydraulic Calcs

6.0 hrs. @ \$170.00/hr. = \$ 750.00

2.0 hrs. @ \$100.00/hr. = \$ 150.00

\$ 1,020.00

D.	County Required Cost Estimate (Required by Grading Department; <u>NOT Required by Building Department</u>)	2.0 hrs. @ \$170.00/hr. = \$ 340.00 1.0 hrs. @ \$ 90.00/hr. = \$ <u>90.00</u>	\$ 430.00
E.	Plot/Prints	3.0 hrs. @ \$100.00/hr. = \$ 300.00 1.5 hrs. @ \$170.00/hr. = \$ <u>255.00</u>	\$ 555.00
F.	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. @ \$ 90.00/hr. = \$ <u>360.00</u>	\$ 1,220.00
G.	Processing - Not included if processed with Building Plans		
	1. Department of Public Works	2.0 hrs. @ \$170.00/hr. = \$ 340.00	
	Fees		
	Permit Deposit	=≈\$ 250.00	
	Plan Check Deposit	=≈\$ <u>375.00</u>	\$ 965.00
H.	Corrections	4.0 hrs. @ \$170.00/hr. = \$ 680.00 8.0 hrs. @ \$100.00/hr. = \$ <u>800.00</u>	\$ <u>1,480.00</u>
			\$ 7,670.00

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

V. Other Items Required

A. Soils Engineer

Compaction Test/Report for San Diego
County = \$1,800 (Done by others)

B. Environmental Report (*If
required by County*)

C. 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

\$ 1,070.00

VI. 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 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

\$ 6,350.00

SUB TOTAL - GRADING PLAN

\$15,090.00

VII. Items Which May be Required

A. Landscape Plan (if required)

- 1. Processing
4 hrs.@\$170/hr.=\$ 680
- 2. County Fees =\$2050
\$2730

B. Slope Analysis (if necessary)
10 hrs.@\$100/hr.=\$1000

C. 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
16 hrs.@\$180/hr.=\$2880

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

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

D. Septic Layout (If Required)

1. Layout
4 hrs.@\$115/hr.=\$ 460
2. Processing Forms
1 hrs.@\$170/hr.=\$ 170
1 hrs.@\$ 90/hr.=\$ 90
3. Submittal
2 hrs.@\$170/hr.=\$ 340
County Fee =\$ 866
4. Site Inspection
with San Diego
County Inspector
1 hrs.@\$100/hr.=\$ 100
\$2026

E. County Fees and Bond Required to Obtain Permit [These are an educated guess. 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 \$500.00.

SIGNATURE

DATE

SIGNATURE

DATE