



# RETAINING WALL CONSTRUCTION PERMIT APPLICATION

**CITY OF UNDERWOOD, IOWA**  
**Building & Safety Department**

218 2<sup>nd</sup> Street  
P.O. Box 40  
Underwood, IA 51576  
Telephone: (712) 566-2373  
Fax: (712) 566-2083  
Inspection Request: (712) 309-2935

	Permit Total	Receipt #	Permit #
JOB SITE ADDRESS:		PARCEL NUMBER:	
LEGAL DESCRIPTION: <input type="checkbox"/> Attachment			
ZONING DISTRICT : <input type="checkbox"/> OS-A Open Space- Agriculture <input type="checkbox"/> R-1 Single Family Residential District <input type="checkbox"/> R-2 Two Family Residential District <input type="checkbox"/> R-3 Multiple Family Residential District <input type="checkbox"/> R-1M Single Family Mobile/Manufactured Home Residential District <input type="checkbox"/> DC Downtown Commercial District <input type="checkbox"/> CC Corridor Commercial District <input type="checkbox"/> M-1 Light Industrial District <input type="checkbox"/> M-2 General Industrial District <input type="checkbox"/> FP Flood Plain District <input type="checkbox"/> FW Flood Way District			
PROPERTY OWNER:		PHONE NUMBER:	
PROPERTY OWNERS ADDRESS:		STATE:	ZIP CODE:
GENERAL CONTRACTOR NAME:		STATE LICENSE #:	PHONE NUMBER:
CONTRACTOR MAILING ADDRESS:		STATE:	ZIP CODE:

**Property Type/Use:**  Commercial / Industrial     Residential     Multi-Family     Other \_\_\_\_\_

**Class of Work:**     New     Addition     Alteration     Repair     Replacement

The wall/fence as described below is totally within the boundaries of the property.     Yes     NO

The wall/fence as described below is located on the property line.     Yes     No

See the attached notarized authorization letter from the adjacent property owner.     Yes     No (If Required)

CONSTRUCTION INFORMATION		
PROPOSED CONSTRUCTION DESCRIPTION:		
PERMIT FEES	AMOUNTS	
After calculating the square footage with the permit valuation multiplier and determining your total permitted valuation. Use the Building Permit Fee Schedule and determine your Building Permit Fee. This permit fee will be verified during plan review and collected at the time of permit issuance. <i>(see next page to figure cost)</i>	<b>Building Permit Fee</b> <i>Receipt #:</i>	\$
Figuring the Plan Review Fee at 25% of the calculated Building Permit Fee cost. The Plan Review Fee will be a required deposit at the time of your permit application submittal. <i>(see next page to figure cost)</i>	<b>Plan Review Fee</b> <i>(submittal deposit)</i> <i>Receipt #:</i>	\$
	<b>Total Amount</b>	\$

I have indicated all natural and man-made water courses which may have impact on or be impacted by the proposed retaining wall, block wall or fence. I understand and agree that should the County determine that this retaining wall, block wall or fence be detrimental to the safe flow of any water course, this permit will be rendered invalid immediately. I further agree that if I fail to adhere to the above requirements, the retaining wall, block wall or fence may be abated, removed or altered at my expense. I certify that I have read this Application and state that the above information is correct. I agree to comply with the County ordinances and state laws relating to building construction.

APPLICANTS SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Issued By :	Date:
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PLANS ATTACHED  NO PLANS

\_\_\_\_\_ Lineal Feet @ 6' and Higher x \$4.75 = \_\_\_\_\_ Permit Valuation

\_\_\_\_\_ Lineal Feet @ 4' and Higher x \$3.50 = \_\_\_\_\_ Permit Valuation

Note: Wall measured in overall height from bottom of footing to finished top of wall.

Building Fee: \$ \_\_\_\_\_

Bldg Plan Review Fee: \$ \_\_\_\_\_

Total Fee: \$ \_\_\_\_\_

### BUILDING PERMIT FEE SCHEDULE

TOTAL VALUATION	FEE
\$1 to \$500	\$ 23.50
\$501 to \$2,000	\$ 23.50 for the first \$ 500.00 plus \$ 3.05 for each additional \$ 100.00, or fraction thereof, to and including \$ 2,000.00
\$2,001 to \$25,000	\$ 69.25 for the first \$ 2,000.00 plus \$ 14.00 for each additional \$ 1,000.00, or fraction thereof, to and including \$ 25,000.00

### EXAMPLE ONLY

250 Total Lineal Feet. @ 4' to 6' High x \$3.50 = \$875.00 Permit Valuation

Lineal Feet to Square Footage

250 Total Lineal Feet @ 4' to 6' High x \$3.50 = \$875.00 Permit Valuation

Proposed Total Permit Valuation of \$875.00

For the first \$500.00 = \$23.50, plus \$3.05 for each additional \$100.00 or fraction thereof...

$(\$875.00 - \$500.00 = \$375.00) (\frac{\$875.00}{100} = 8.75 \times \$3.05) = \$26.69 + \$23.50 = \$50.19$  [NOTE: ROUND TO THE NEAREST \$.25]

Building Permit Fee	\$ <u>50.25</u>
Plan Review Fee	\$ <u>12.50</u> [25% (\$50.25 x .25)]
Total Barrier Permit Fee	\$ <u>62.75</u>

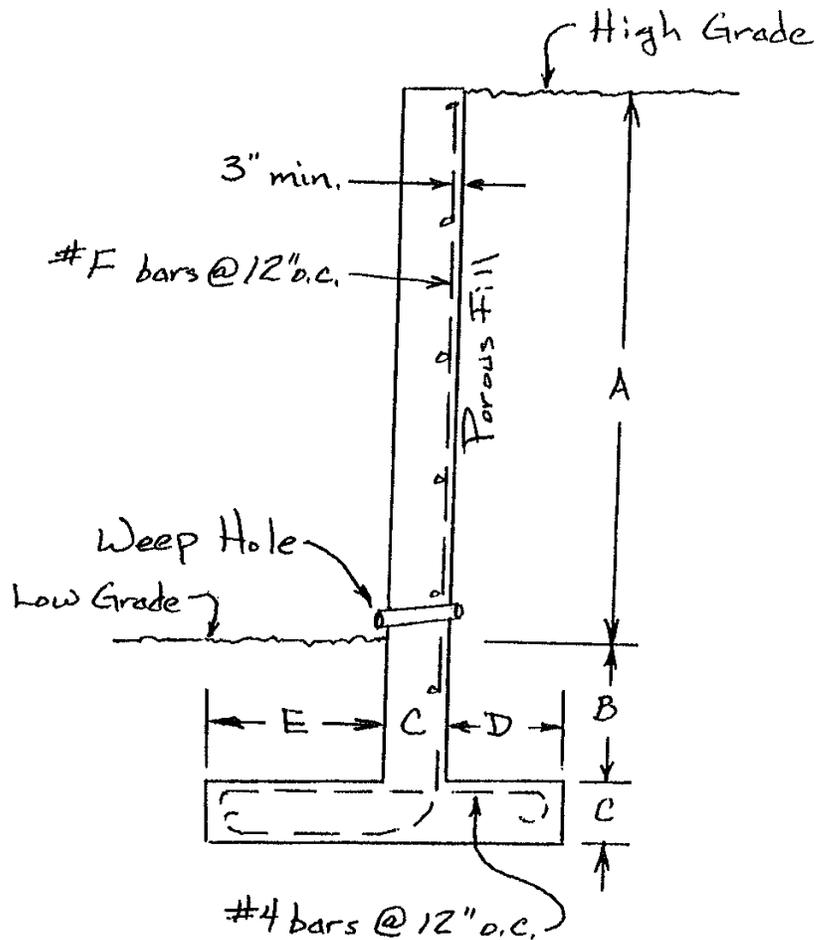
### EXAMPLE ONLY

Please make be certain that you want to proceed with this project when you submit your application.  
The fees that you submit are not refundable once the application is submitted.

# REINFORCED CONCRETE RETAINING WALLS CANTILEVER TYPE

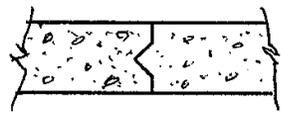
A	B	C	D	E	F
10'	30"	12"	26"	38"	#8
8'	31"	11"	21"	34"	#6
6'	33"	9"	18"	25"	#6
4'	34"	8"	12"	14"	#4

Weep Holes to be two inch p.v.c. at ten feet on center.



# REINFORCED CONCRETE RETAINING WALLS

Designs are based on adequate soil to resist to pressure and an angle of repose of thirty-three degrees, which is for average soil. Horizontal bars to prevent cracking are to be #3 rods, at two feet on center, with construction joints thirty feet apart. If construction joints are omitted, heavier bars must be used. No surcharge has been figured in the design of these walls.



Plan View  
Construction Joint

