

Detailed Engineering Review Application

I. PROJECT LOCATION

Site Name: _____ Parcel ID #: K-11- _____ Zoning _____
 Engineering Consultant Job Number: _____

II. APPLICANT INFORMATION

Applicant: _____ Phone: _____
 Address: _____ City: _____ State: ____ Zip: _____
 Fax: _____ Email: _____
Design Engineer: _____ Phone: _____
 Address: _____ City: _____ State: ____ Zip: _____
 Fax: _____ Email: _____

III. APPLICATION TYPE

- Administrative Site Plan Review.** Date approved administratively: _____
- Sketch Plan Review.** Date approved by Planning Commission: _____
- Full Site Plan Review.** Date approved/recommended for approval by Planning Commission: _____

IV. PROPOSED SITE IMPROVEMENTS

- 1. Water Main.** No Yes If yes, _____ feet of _____ inch water main and a total of _____ water services.
 - 2. Sanitary Sewer.** No Yes If yes, _____ feet of _____ inch sanitary sewer and a total of _____ leads.
 - 3. Storm Sewer.** No Yes If yes, _____ feet of storm sewer with detention facilities designed to detain _____ cubic feet of runoff.
- 4. Storm Water Discharge Location:** _____ **Total Area of Disturbance:** _____ acres

V. SCHEDULE OF FEES

	Non-refundable fee	Refundable deposit
Full	\$500	1.5% cost for infrastructure improvements including water, sanitary, storm, retention/detention basins, grading, earth balance and paving (minimum \$2,000). With costs over \$2,000,000 the engineer may reduce the rate through estimated hourly review cost. A mandatory meeting shall be scheduled after the 2 nd review (if not approved) before submittal of 3 rd review
Sketch	\$500	
Administrative	\$100	
Planned Development	\$500	

\$ _____ **FEE TOTAL**



VI. PROJECT ESTIMATE (see attached)

The applicant shall submit a complete preliminary engineer’s estimate including quantity, unit cost and total costs for each individual item (e.g. 8 inch ductile iron water main, 4 foot diameter manhole, etc.). The unit costs shall include the cost of labor and materials for each item. A sample of this estimate can be found attached to this document. A summary of the division costs calculated by the design engineer shall be completed on this form. These prices will be used in development of bonding requirements that will be delivered to the applicant upon receiving engineering plan approval. The detailed Engineering Review Application and a detailed engineering estimate must be approved by Orchard Hiltz & McCliment prior to submitting plans and their associated fees to the Township Community & Economic Development Department. Estimates and this application can be faxed to 734-522-6427 or emailed to matt.parks@ohm-advisors.com or pat.droze@ohm-advisors.com.

Division: _____	Total Cost \$ _____
Site Grading: _____	Total Cost \$ _____
Sidewalks & Bike Paths: _____	Total Cost \$ _____
Storm Sewer: _____	Total Cost \$ _____
Water Main: _____	Total Cost \$ _____
Sanitary Sewer: _____	Total Cost \$ _____
Landscaping: _____	Total Cost \$ _____
Soil Erosion & Sedimentation Control: _____	Total Cost \$ _____
TOTAL PRELIMINARY PROJECT COST TOTAL \$ _____	

Seal of Professional Engineer
 Registered to practice in the
 State of Michigan:

Estimate Prepared By: _____ P.E.

OFFICE USE ONLY

Application Checklist:
<input type="checkbox"/> Application is completed in its entirety and includes the signature of the applicant
<input type="checkbox"/> Fees
<input type="checkbox"/> Project Estimate (quantity, unit cost and total costs for each individual item)
<input type="checkbox"/> Summary of division costs calculated by the design engineer

Sample Project Estimate*

*The applicant shall note that the above document is a sample of an acceptable engineer's estimate. The estimate must include all items of work and appropriate quantities to complete work as described on the plan. Costs shall be based off current material and labor costs.

Site Grading/Sidewalks & Bike Paths				
Item	Quantity	Unit	Unit Cost	Total Cost
Mass Grading	1	1sum	\$75,000.00	\$75,000.00
4" Concrete Sidewalk	2500	Sft	\$3.50	\$8,750.00
3" HMA Bike Path	2500	sy	\$8.00	\$20,000.00
TOTAL Division Cost				\$103,750.00

Water Main				
Item	Quantity	Unit	Unit Cost	Total Cost
8" CL54 Ductile Iron Water Main	1555	1ft	\$45.00	\$69,975.00
Polyethylene Wrap	1555	1ft	\$0.50	\$777.50
8"X8" Tapping Sleeve Valve & Well	2	ea	\$2,750.00	\$5,500.00
1" Type K Copper Water Service	1	ea	\$775.00	\$775.00
TOTAL Division Cost				\$77,027.50

Sanitary Sewer				
Item	Quantity	Unit	Unit Cost	Total Cost
10" ABS Truss Pipe	1800	1ft	\$65.00	\$117,000.00
6" PVC SDR 26 Sewer Leads	300	1ft	\$50.00	\$15,000.00
4' Diameter Manhole	20	ea	\$2,250.00	\$45,000.00
TOTAL Division Cost				\$177,000.00

Storm Sewer				
Item	Quantity	Unit	Unit Cost	Total Cost
12" C-76 CL IV Storm Sewer	351	1ft	\$28.00	\$9,828.00
18" C-76 CL IV Storm Sewer	322	1ft	\$35.00	\$11,270.00
2' Inlet	4	ea	\$1,500.00	\$6,000.00
4' Manhole	3	ea	\$1,750.00	\$5,250.00
36" CMP Standpipe	1	ea	\$3,000.00	\$3,000.00
18" Concrete End Section	3	ea	\$700.00	\$2,100.00
TOTAL Division Cost				\$37,448.00

Soil Erosion & Sedimentation Control				
Item	Quantity	Unit	Unit Cost	Total Cost
Silt Fence	2805	1ft	\$3.00	\$8,415.00
Inlet Filters	7	ea	\$250.00	\$1,750.00
TOTAL Division Cost				\$10,165.00