



# CITY OF RAPID CITY

## Engineering Services

300 Sixth Street

Rapid City, SD 57701-2724

Telephone: (605) 394-4154 FAX: (605) 394-6636

July 15, 2005

Lawrence M. Kostaneski, P.E.  
Centerline  
PO Box 7597  
Rapid City, SD 57709-7597

Ref: Oversize Request  
Plum Creek Subdivision Phase 2

The following is in response to your June 16, 2005 oversize request for Plum Creek Subdivision Phase 2. As discussed at our meeting of July 1, 2005 the following are the City's "concepts" on items that qualify for oversize reimbursement. The actual quantity and cost for oversize will be determined at a later date. The item numbers referenced below refer to the hand numbered items on the attached estimate you provided.

Item 1 – Mobilization – The City's obligation for mobilization will be the ratio between the final project oversize cost and the total project cost as bid, multiplied by the mobilization bid item.

Item 2 – Unclassified Excavation – The City requests the roadway be graded to accommodate an arterial street. The City's obligation for unclassified excavation will be the additional fill material required to construct an arterial street vs. a collector street. See attached Figure 1.

Items 3 and 18 – Topsoil, Seed, Fertilize and Mulch – The City's obligation for these items will be the additional materials required, if any, to cover the extended slope that may result from the wider arterial street fill.

Items 4, 5, 6, 7, 8, and 9 – Water and Sewer – The City will follow its normal oversize policy for water and sewer. The developer will provide the water and sewer lines as sized to service the entire development. The City will compensate the developer for an increase in the size to the water and sewer lines needed to service areas beyond the entire development.

Items 10 and 11 – Storm Sewer – The City's obligation will be for the increased length of storm sewer pipe needed to convey the storm sewer under the additional arterial roadway width. See Figure 1.



Items 12 and 13 – Type E Inlets – With the information provided it does not appear the Type E Inlets are eligible for oversize compensation. You are welcome to provide additional information on these items.

Items 14, 15, and 16 – Roadway – The City requests a three lane collector street designed in accordance with arterial loadings and design requirements be designed and installed at this time. The City will reimburse the developer for additional cost incurred as a result of this “heavier” design.

Item 17 – Pavement Marking – The City is not requesting arterial width pavement be installed at this time. Therefore, additional pavement marking will not be required.

Item 19 – Taxes - The City will reimburse the developer for excise and sales tax as they apply to items included in the final oversize cost.

Item 20 – Professional Services – Given the items above the City does not see the need for additional professional services for eligible oversize items.

If you have questions concerning the above or would like to meet to discuss these items I can be reached at (605) 394-4154.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dan Coon', written over a horizontal line.

Dan Coon, P.E.  
Project Engineer

Cc: Marcia Elkins w/  
Dirk Jablonski w/

Attachments

**Project: Plum Creek Subdivision: Phase 2 ESTIMATE**

**Minnesota St Oversize Reimbursement**

Furnish and install all items listed complete and in place.

**DATE: 6/17/05**

REF 5/26/05 IDF request estimate

| Construction Costs  | Quantity | Unit | Unit Cost | Extended       | 5/26/05 IDPF estimate                       |
|---|----------|------|-----------|----------------|---|
| Mobilization (1)  | 1        | LS   | 11000.00  | 11,000         | \$44,000                                    |
| Unc. Excavation (2)   | 150,000  | cy   | 1.10      | 165,000        | 332,500 cy; \$365,750                       |
| Place topsoil (3)   | 750      | cy   | 5.00      | 3,750          | 2500 cy; \$12,500                           |
| 6 inch PVC sewer service  | -        | lf   | 20.00     | -              |   |
| 8" PVC sewer  | -        | lf   | 20.00     | -              |   |
| Connect to ex sewer main  | -        | ea   | 500       | -              |   |
| 12" PVC sewer main (4)  | 650      | lf   | 2.00      | 1,300          | \$22/LF; 14,300                             |
| Std Manholes  | -        | ea   | 1900      | -              |   |
| EX depth MH   | -        | VF   | 250.00    | -              |   |
| 6 inch PVC Water Main   | -        | lf   | 20.00     | -              |   |
| 12 inch PVC Water Main (5)                                      | 550      | lf   | 5.00      | 2,750          | \$27/LF; 14,850                             |
| 16" DR 25 PVC Water Main (6)                                    | 700      | lf   | 15.00     | 10,500         | \$38/ LF: 26,600                            |
| DIP Bends (7)   | 4        | ea   | 350       | 1,400          | \$650/Ea; \$2,600                           |
| Connect to ex water main  | -        | ea   | 650       | -              |   |
| 12" B-Fly Valve & box (8)                                       | 4        | ea   | 600       | 2,400          | \$1600/ea; 6,400                            |
| 16" B-Fly Valve & box (9)                                       | 3        | ea   | 1800      | 5,400          | \$2800/ea; \$8400                           |
| Hydrants w/ aux. Valve  | -        | ea   | 2500      | -              |   |
| 24 inch RCP storm sewer   | -        | lf   | 40        | -              |   |
| 30 inch RCP storm sewer   | -        | lf   | 50.00     | -              |   |
| 60 inch RCP storm sewer (10)                                    | 1,400    | lf   | 150       | 210,000        | \$170/lf; \$238,000                         |
| 48 inch RCP storm sewer (11)                                    | 20       | lf   | 100       | 2,000          | \$100/lf; \$2,200                           |
| 5' Type E inlet (12)  | 4        | ea   | 2000      | 8,000          | \$2,500/ea; \$10,000                        |
| 10' Type E inlet (13)   | 4        | ea   | 3000      | 12,000         | \$3,600/ea; \$14,400                        |
| <b>Surfacing: 47% Quantity reduction, Arterial v. collector</b> |          |      |           |                |   |
| 2" gravel cushion (14)  | 47       | ton  | 15.00     | 705            | 100 T; \$1,500                              |
| Aggregate Basecourse (15)                                       | 800      | ton  | 15.00     | 12,000         | 2550 T; \$38,250                            |
| B67 C&G   | -        | lf   | 15.00     | -              |   |
| 4" sidewalk   | -        | sf   | 3.50      | -              |   |
| RC Fillet   | -        | sy   | 50.00     | -              |   |
| RC Pan  | -        | sy   | 2500      | -              |   |
| 8" NR PCC Pavement (16)   | 3,400    | sy   | 48        | 163,200        | 4200 sy; \$201,600                          |
| Bituminous tack coat  | -        | sy   | 0.7       | -              |   |
| AC Paving CI G Type 1   | -        | ton  | -         | -              |   |
| Pavement marking (17)   | 0.25     | ls   | 4000      | 1,000          | 1 ls; \$4,000                               |
| Silt Fence  | -        | lf   | 4.00      | -              |   |
| Seed, Fertilize, Mulch (18)                                     | 1        | ac   | 2500.00   | 2,500          | 5 ac; \$12,500                              |
| Misc, incidentals   | -        | ls   | 0.70      | -              |   |
| <b>Sub Total Reimbursement</b>                                  |          |      |           | <b>614,905</b> |   |
| 2% Excise Tax (19)  | 1        | ls   | 10700.00  | 10,700         | 2% * 532,405                                |
| Prof Svcs (20)  | 1        | ls   | 58600.00  | 58,600         | 11% 532,405                                 |
| <b>TOTAL REIMBURSMENT</b>                                       |          |      |           | <b>684,205</b> | Requested reimbursement amount for oversize |

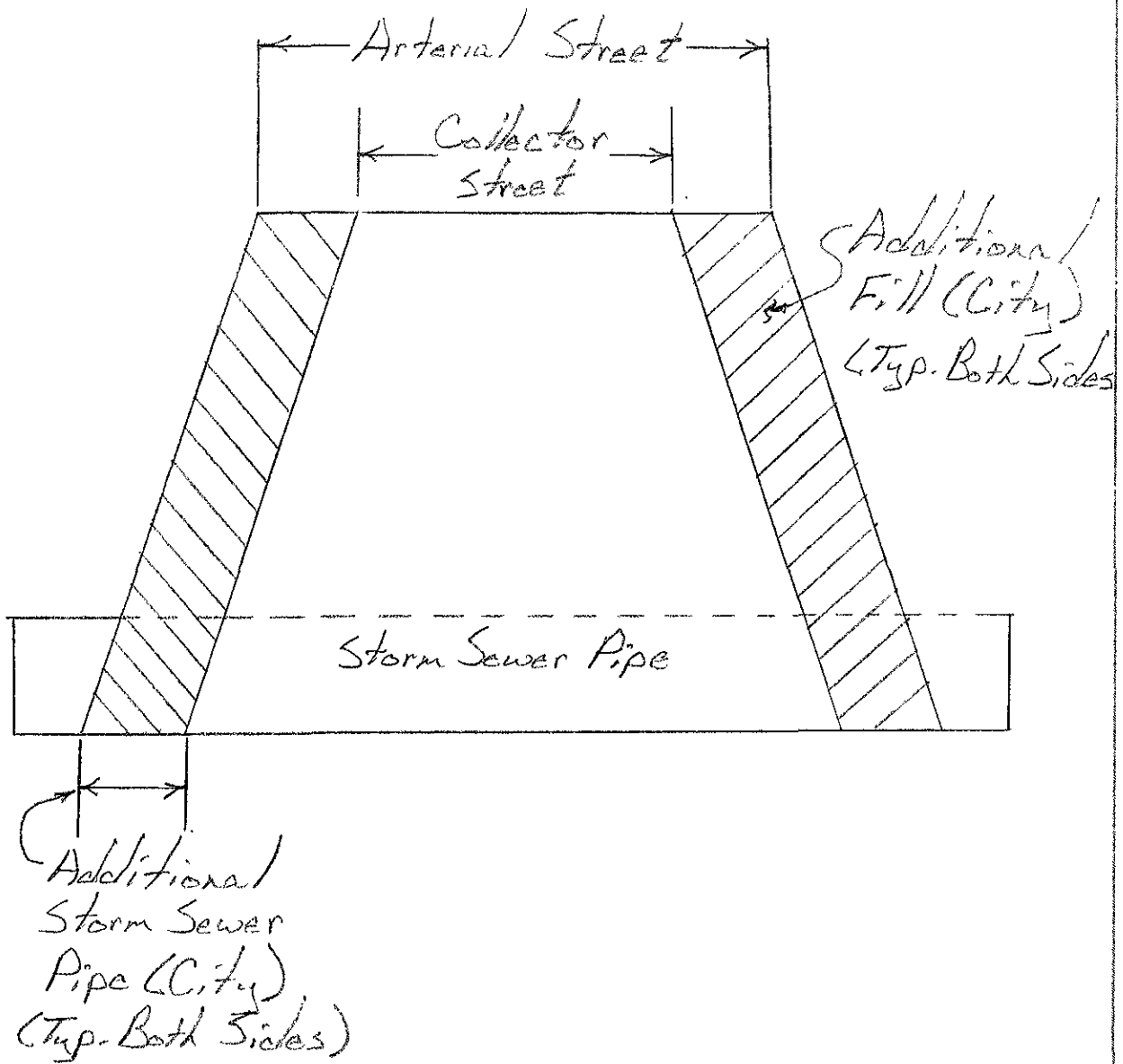


Figure 1  
Plum Creek Oversize Request