

**CITY OF GREAT FALLS, MONTANA
A G E N D A R E P O R T**

AGENDA # 17
DATE August 20, 2002

ITEM: CONTRACT AWARD FOR SKYLINE PARK/WEST RIDGE STORM DRAIN - O.F. 1364
INITIATED BY: PUBLIC WORKS DEPARTMENT/ENGINEERING BRANCH
ACTION REQUESTED: CONSIDER BIDS AND AWARD CONTRACT

PRESENTED BY: JIM REARDEN, PUBLIC WORKS DIRECTOR

MOTION: "I move the City Commission award a contract in the amount of \$164,426 to Falls Construction Company for the Skyline Park/West Ridge Storm Drain - O.F. 1364, and authorize the City Manager to sign the contract documents."

PROJECT TITLE: Skyline Park/West Ridge Storm Drain - O.F. 1364

RECOMMENDED CONTRACTOR: Falls Construction Company

CONTRACT AMOUNT: \$164,426

ENGINEERS ESTIMATE: \$155,400

BUDGETED FUND: Storm Drain

START DATE: September 3, 2002

COMPLETION DATE: October, 2002 (45 Calendar Days)

PENALTY/INCENTIVE TERMS: Liquidated Damages - \$400/Day

SYNOPSIS: It is necessary to extend a storm drain through the currently developing Skyline Park Addition Phase 8 to provide future drainage for an approximate 100-acre area located to the west and south of the current Skyline Park Additions and Skyline School. At the present time, this area is comprised of agricultural land. However, approximately 60 acres in the area have been purchased by a developer who is currently looking into residential development. The first phase of that development is comprised of approximately 10 acres north of Skyline School and has been preliminary given the title West Ridge Addition. The storm drain must pass through Skyline Park Phase 8 to drain into the City's Northeast Regional Retention Pond that is located approximately 1/2 mile to the northeast of Skyline School.

The City has worked closely with the developers of Skyline Park Addition Phase 8 (Jim Workman), and West Ridge Development (Gary Knudson) in planning for storm drainage that will serve both developments

and eventually serve other surrounding areas as the City expands to the north. This project is the first phase of an anticipated three-phase project that will eventually extend storm drain to the Northeast Regional Retention Pond.

The project was publicly bid because of the involvement of multiple developments. Ten (10) bids were received (See attached Bid Tabulation Summary) on August 7, 2002. Falls Construction Company submitted the low bid in the amount of \$164,600. This bid amount compares favorably with the engineer's estimate of \$155,400 after the engineers estimate was adjusted for an increase in the quoted material price.

The initial cost of the storm drain improvements will be funded through Storm Drain funds that were budgeted this year. The capital cost will be recovered on a pro-rated basis from developers within the drainage basin.

BACKGROUND: Several area storm drainage design scenarios were discussed with developers. Those scenarios considered alternate alignments, grades, pipe configurations and detention facilities. The design and cost analysis included looking at short-term capital cost and long-term maintenance cost of pipelines and detention facilities. Because of the long-term cost associated with a detention facility and the proximity to the existing Northeast Regional Detention Pond, it was decided that a larger capacity storm drain pipe would be used in lieu of detention. Because the drainage basin is a "closed basin" (no natural drainage outlet), it was decided that the storm drain capacity would be designed to handle a one hundred year storm event. This will substantially diminish the possibility of flooding within the basin.

The project will include the installation of approximately 1,000 lineal feet of 48-inch plastic polyvinyl chloride (PVC) pipe along future segments of 37th and 38th Avenues NE and 4th Street NE. Reinforced concrete pipe was considered, however, grade conflicts with other utilities precluded its use.

Future construction phases will extend the storm drain pipe westward and southward to the intersection of 36th Avenue NE and 2nd Street NE (West Ridge Development) and eastward to the NE Regional Retention Pond.

City engineering staff along with the developers engineers completed the design and prepared the plans and contract documents. The City Engineers Office will handle project management and construction phase engineering with the Developer providing some surveying services.

Attachments: Bid Tabulation Summary

