



Public Works Department
515 Clark Avenue, Ames, Iowa 50010
Phone 515-239-5160 ♦ Fax 515-239-5404

18

December 8, 2015

Honorable Mayor and Council Members
City of Ames
Ames, Iowa 50010

RE: Quarry Estates LOC Reduction #2

Ladies and Gentlemen:

I hereby certify that the curb and gutter and base pavement, required as a condition for approval of the final plat of **Quarry Estates, 1st Addition** have been completed in an acceptable manner by **H&W Contracting of Sioux Falls, South Dakota , and Manatts, Inc of Ames, IA**. The above-mentioned improvements have been inspected by the Engineering Division of the Public Works Department of the City of Ames, Iowa and found to meet City specifications and standards.

As a result of this certification, it is recommended that the financial security for public improvements on file with the City for this subdivision be reduced to \$1,054,537.95 The remaining work covered by this financial security includes installation of the water main, final asphalt surfacing, pedestrian ramps and walks, final adjustment of utility features, erosion control, and street lighting.

Sincerely,

John C. Joiner, P.E.
Director

JJ/ec

cc: Finance, Contractor, Construction Supervisor, PW Senior Clerk, Planning & Housing,
Subdivision file

Quarry Estates, First Addition
December 8, 2015

| Description | Unit | Quantity |
|--|------|----------|
| Temporary Traffic Control | LS | 1 |
| Excavation and Embankment | CY | 30,075 |
| Subgrade Preparation | SY | 10,800 |
| Sanitary Sewer Gravity Main, Trenched, 8" | LF | 4,752 |
| Sanitary Sewer Service Stub, 4" | EA | 53 |
| Footing Drain Collector, Case D, Type 2, 8" | LF | 1,404 |
| Footing Drain Cleanout, 8" | EA | 5 |
| Sump Service Stub, 1.5" | EA | 53 |
| Storm Sewer, Trenched, RCP Class III, 15" | LF | 804 |
| Storm Sewer, Trenched, RCP Class III, 18" | LF | 623 |
| Storm Sewer, Trenched, RCP Class III, 24" | LF | 402 |
| Pipe Apron, RCP, 18" | EA | 5 |
| Pipe Apron, RCP, 24" | EA | 2 |
| Water Main, Trenched, 8" | LF | 4,677 |
| Fitting, M.J. Bend, 8" | EA | 6 |
| Fitting, M.J. Tee, 8" | EA | 4 |
| Fitting, M.J. Cross, 8" | EA | 1 |
| Water Service Stub, 1" | EA | 53 |
| Valve, M.J. Tapping, 12"x8" | EA | 1 |
| Valve, M.J. Gate, 8" | EA | 14 |
| Fire Hydrant Assembly (includes 8"x8"x6" M.J. Tee, 6" M.J. Gate Valve, 6" Pipe, and Hydrant) | EA | 12 |
| Temporary Blowoff Hydrant Assembly (includes 8"x6" M.J. Reducer, 6" Pipe, and Hydrant) | EA | 5 |
| Water Service Stub, 2" | EA | 1 |
| Sanitary Manhole, SW-301, 48" | EA | 17 |
| Storm Sewer Manhole, SW-401, 48" | EA | 2 |
| Single Grate Intake, SW-501 | EA | 9 |
| Single Grate Intake, with Manhole SW-503 | EA | 7 |
| Open-Sided Area Intake, SW-513, 48"x48" | EA | 1 |
| Sanitary Manhole Drop Connection | EA | 2 |
| PCC Curb and Gutter, 30" | LF | 5,554 |
| Trail Pavement, HMA, 6" | SY | 600 |
| Pavement, HMA Base, 6" | SY | 2,402 |
| Pavement, HMA Base, 7.5" | SY | 5,540 |
| Pavement, HMA Surface, 2" | SY | 7,942 |
| Pedestrian Ramps, PCC, 6" | SY | 93 |
| Detectable Warning Panels | SF | 120 |
| Class 'A' Rock Surfacing | TON | 100 |
| Manhole Adjustments | EA | 11 |
| Watervalue Adjustments | EA | 2 |

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| Sidewalk and Shared-Use Path, PCC, 4" | SY | 3,915 |
| Seeding (Type 1), Fertilizing and Mulching | AC | 25 |
| Inlet Protection | EA | 16 |
| Silt Fence | LF | 2,500 |
| Stabilized Construction Entrance | EA | 2 |
| Conservation Seeding, Planting, and Landscaping | LS | 1 |