F11

City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **April 26, 2017**

From: John Bender PE, City Engineer

Re: **Heritage Green 12th Addition**

Description: Accepting Public Improvements

Report:

The plan of improvements for Heritage Green 12th Addition has been submitted for 27 lots in the Heritage Green 12th Addition. This addition includes approximately the following construction:

- 500LF of sanitary sewer,
- 800LF of storm sewer,
- 830 LF of water main,
- 1100 LF of street paving, along with draintile.
- 4 Urbanscape LED streetlights

Engineering has performed construction observation of the paving, water, and sanitary and storm sewer improvements in the above subdivision. We have also reviewed the site grading along with material reports and maintenance bonds submitted.

Engineering recommends City acceptance of these public improvements.

If you need any further information, please let me know.

Hiawatha!™

Final Plan of Improvements for Heritage Green –Twelfth Addition

April 21, 2017

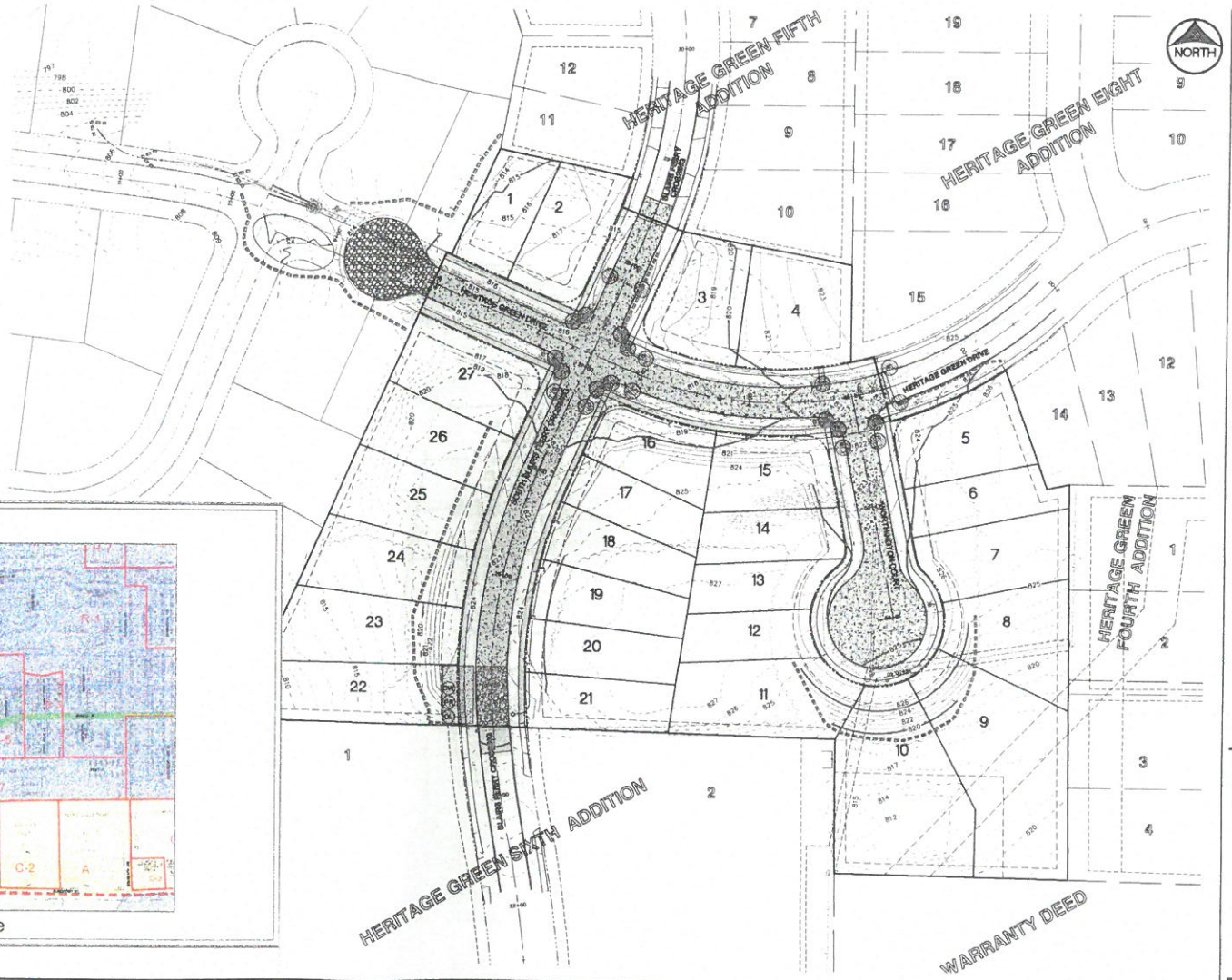
The Water Department has completed inspection and reviewed Heritage Green Twelfth addition's plan of improvements that were submitted by MMS Consultants Engineering. The Water Department recommends final approval of Heritage Green Twelfth Addition.

Marty Recker

Assistant Water Superintendent

Cc. Kelly Kornegor, City Clerk

WATER DEPARTMENT • P.O. BOX 485 • HIAWATHA, IA 52233-0485 • PHONE (319) 393-5556 • FAX (319) 393-1516



6.88 AC

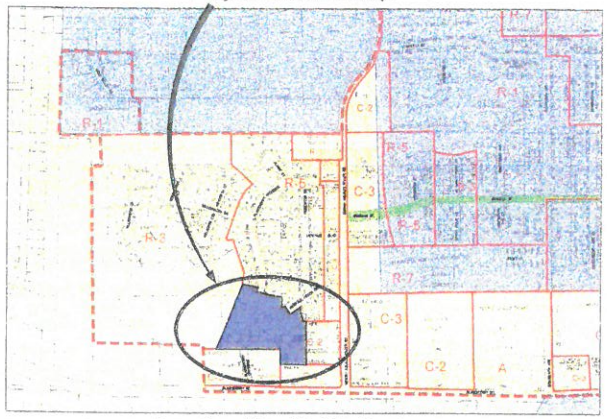
MMS

CIVIL ENGINEERS
LAND PLANNERS
LAND SURVEYORS
LANDSCAPE ARCHITECTS
ENVIRONMENTAL SPECIALISTS

1917 S. GILBERT ST.
IOWA CITY, IOWA 52240
(319) 351-8282
www.mmsconsultants.net

Date	Revision
2/22/16	PER CITY COMMENTS
2/22/16	BID DOCUMENTS
3/28/16	CITY APPROVAL

Project Location Map



Location Map Not To Scale

GRADING AND EROSION CONTROL PLAN AND SWPPP

HERITAGE GREEN - TWELFTH ADDITION

CITY OF HIAWATHA
LINN COUNTY
STATE OF IOWA

MMS CONSULTANTS, INC.

STABILIZATION SEEDING

STABILIZATION SEEDING SHALL BE IN ACCORDANCE WITH I.D.O.T. STANDARD SPECIFICATION SECTION 2601.03 STABILIZING CROP SEEDING AND FERTILIZING.

SEED MIXTURES SHALL BE ONE OF THE FOLLOWING:

SPRING – MARCH 1 TO MAY 20

OAT	2 BUSHEL PER ACRE
GRAIN RYE	20 LBS. PER ACRE
RED CLOVER	5 LBS. PER ACRE
TIMOTHY	5 LBS. PER ACRE

SUMMER – MAY 21 TO JULY 20

OAT	3 BUSHEL PER ACRE
GRAIN RYE	30 LBS PER ACRE
RED CLOVER	5 LBS PER ACRE
TIMOTHY	5 LBS PER ACRE

FALL – JULY 21 TO SEPTEMBER 30

OAT	2 BUSHEL PER ACRE
GRAIN RYE	35 LBS PER ACRE
RED CLOVER	5 LBS PER ACRE
TIMOTHY	5 LBS PER ACRE

FERTILIZER SHALL BE APPLIED AT A RATE OF 450 LBS PER ACRE (10-20-

GRADING NOTES

1.) MAXIMUM SLOPE ON CUTS AND FILLS SHALL BE 3.5: HORIZONTAL TO 1: VERTICAL.

2.) NO EXCAVATION SHALL BE ALLOWED WITHIN 2' OF PROPERTY LINES.

3.) WHERE HEIGHT OF FILL IS GREATER THAN 30' AN INTERMEDIATE TERRACE OF AT LEAST 8' WIDE SHALL BE ESTABLISHED AT MID HEIGHT. SEE TYPICAL FILL SECTION.

4.) COMPACTION TO BE 90% MODIFIED STANDARD PROCTOR WHERE > 6:1 SLOPE.

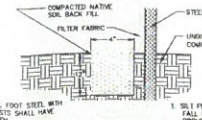
5.) ALL TREES OUTSIDE THE LIMITS OF GRADING OPERATIONS SHALL BE SAVED UNLESS OTHERWISE INDICATED TO BE REMOVED. TREES NEAR THE EDGES OF GRADING LIMITS AND IN THE STORM WATER DETENTION BASIN AREAS SHALL BE SAVED IF POSSIBLE, WITHIN THE REQUIREMENTS OF THE SPECIFICATIONS.

6.) PRIOR TO ANY GRADING A CONSTRUCTION SAFETY FENCE SHALL BE INSTALLED 50 FEET FROM TRUNKS OF TREES TO BE PROTECTED.

7.) STABILIZATION SEEDING SHALL BE COMPLETED AS SOON AS POSSIBLE, BUT NOT MORE THAN 14 DAYS, UPON COMPLETION OF GRADING IN ANY AREA OF GRADING OPERATIONS. DISTURBED AREAS SHALL BE KEPT AS SMALL AS POSSIBLE TO PREVENT LARGE SCALE EROSION PROBLEMS. IF THE GRADING CONTRACTOR STOPS GRADING OPERATIONS FOR MORE THAN 14 DAYS, THEN STABILIZATION SEEDING SHALL BE DONE ON ALL DISTURBED AREAS.

8.) SILT FENCE LOCATIONS AND LENGTHS, AS INDICATED, ARE APPROXIMATE ONLY. FINAL LOCATIONS AND LENGTHS WILL BE DETERMINED, UPON COMPLETION OF THIS PROJECT.

SILT FENCE DETAIL



INSTALLATION

1. POSTS SHALL BE 1.33 POUNDS PER LINEAL FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM.
2. SILT FENCE FABRIC SHALL CONFORM TO I.D.O.T. STANDARD SPECIFICATION SECTION 4196.01A. SILT FENCING SHALL BE A MINIMUM OF 24" AND A MAXIMUM OF 36" HIGH WHEN COMPLETE.
3. THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE FENCE TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, THE FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, AND SECURELY SEALED.

MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAIN-FALL EVENT OF 0.5 INCHES OR MORE. DURING PERIODS OF PROLONGED RAIN INSPECTIONS SHALL BE AT LEAST DAILY. ANY REPAIRS NEEDED TO MAINTAIN THE SILT FENCE'S EFFECTIVENESS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO STABILIZING THE UPSLOPE AREAS THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE FENCE. SE TE SEDIMENT SHALL BE

THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PER IDOT STANDARD ROAD PLANS & CITY OF HIAWATHA REQUIREMENTS AT ALL TIMES DURING WORK WITHIN PUBLIC R.O.W.

THE CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR ANY REQUIRED RELOCATION OF EXISTING UTILITIES.

EROSION CONTROL LEGEND

- SILT FENCE/FILTER SOCK
- TEMPORARY ROCK CONSTRUCTION ENTRANCE/EXIT
- TEMPORARY PARKING AND STORAGE
- CW — CONCRETE TRUCK/EQUIPMENT WASHOUT
- PERIMETER SILT FENCE
- SP — TEMPORARY SOIL STOCKPILE AREA
- DIRECTION OF OVERLAND FLOW
- D — DUMPSTER FOR CONSTRUCTION WASTE

DRAFT

Prepared by and return to: City of Hiawatha, Kelly Kornegor, City Clerk 101 Emmons St. Hiawatha, Iowa 52233 (319) 393-1515

RESOLUTION NO. 17-
City Council

RESOLUTION ACCEPTING IMPROVEMENTS INSTALLATION FOR HERITAGE GREEN TWELFTH ADDITION

WHEREAS, City Council passed Resolution #16-051 on March 16, 2016, granting permission for Contractor to proceed with installation of improvements for Heritage Green Twelfth Addition to the City of Hiawatha, Linn County, Iowa, and

WHEREAS, the City Engineer performed construction observation and determined the improvements including paving along with drain tile, storm sewer, and sanitary sewer to be in conformance to design standards of the City of Hiawatha, and the Water Superintendent approved the water main installation, and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to accept the improvements including paving along with drain tile, storm sewer, sanitary sewer and water main for Heritage Green Twelfth Addition to the City of Hiawatha, Linn County, Iowa.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 3rd day of May, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk

I, Kelly Kornegor, City Clerk of the City of Hiawatha, Iowa do hereby certify that the above and foregoing Resolution is a true and the correct copy of the Resolution as passed by the City Council of the City of Hiawatha, Iowa on the 3rd day of May, 2017.

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Kelly Kornegor, City Clerk