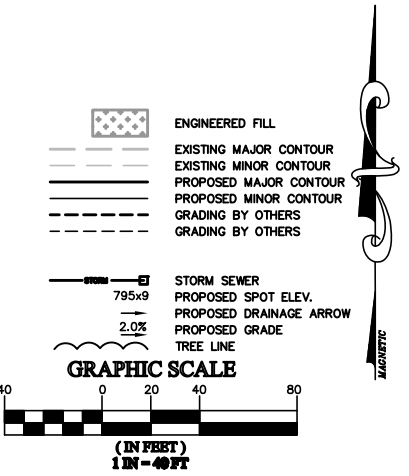


- #### GRADING NOTES:
- 1.) ALL EROSION CONTROL MEASURES SHALL MEET AND/OR EXCEED THE MnPCA NPDES PERMIT AND THE CITY OF RED WING, STORM WATER MANAGEMENT REQUIREMENTS.
 - 2.) SILT FENCE, CONSTRUCTION ENTRANCE, PONDING BASINS, PERIMETER DRAINAGE SWALES ARE TO BE CONSTRUCTED FIRST.
 - 3.) ALL GRADING SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION.
 - 4.) SPREAD 4" TOPSOIL SEED AND MULCH OVER THE ENTIRE SITE EXCEPT PONDS, AND PHASE ONE STREET AND UTILITY AREAS.
 - 5.) CITY OF RED WING INSPECTOR MAY BE PRESENT DURING SOIL TESTING, TEST ROLLING IS REQUIRED.
 - 6.) A TEMPORARY STAGING STOCKPILE, AND BORROW SHALL BE MAINTAINED AND CONTROLLED.
 - 7.) ALL BUILDING PAD AREAS SHALL BE INSPECTED AND APPROVED BEFORE FILL PLACEMENT.
 - 8.) RETAINING WALLS MUST BE DESIGNED BY AN ENGINEER AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

- #### EROSION CONTROL NOTES:
- 1.) PLACE EROSION CONTROL PROTECTION AT ALL STORM SEWER INLETS AND WHERE DIRECTED BY THE ENGINEER.
 - 2.) PLACE SILT FENCE WHERE SHOWN ON PLANS AND AS DIRECTED BY THE ENGINEER. SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS EXCEPT ROADWAYS.
 - A.) TEMPORARY SEED MIXTURE SHALL BE WHEAT, RYE, OATS OR REGREEN AT 100 LBS/ACRE.
 - B.) PERMANENT SEED MIXTURE SHALL BE #500 AT 100 LBS/ACRE.
 - C.) MULCH SHALL BE MnDOT TYPE 1 MULCH AT 2 TONS/ACRE.
 - C.) FERTILIZER SHALL BE 25-5-10 AT 200 LBS/ACRE.
 - 3.) MPCA STORM WATER PERMIT IS REQUIRED FOR THIS PROJECT.
 - 4.) EROSION CONTROL IS TO BE PROVIDED IN ACCORDANCE WITH THE PROJECT'S STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
 - 5.) SILT FENCE, CONSTRUCTION ENTRANCE, PONDING, DRAINAGE SWALES ARE TO BE CONSTRUCTED FIRST.
 - 6.) ADDITIONAL EROSION CONTROL MEASURES SHALL BE REQUIRED IN AREAS, IF AN EROSION PATTERN OCCURS.
 - 7.) APPLY WATER AS NEEDED AND AS DIRECTED BY THE ENGINEER TO CONTROL DUST.
 - 8.) ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS SOON AS POSSIBLE. AREAS THAT HAVE BEEN DISTURBED OR ARE AT FINISHED GRADE, BUT HAVE NO ACTIVE GRADING, SHALL BE SEED AND MULCHED WITHIN 14 DAYS, EXCEPT ON SLOPES STEEPER THAN 4H:1V. SLOPES 3H:1V OR STEEPER SHALL BE SEED AND COVERED WITH AN EROSION CONTROL BLANKET OR SEED AND MULCHED WITH A TACKIFYING AGENT (GLUE IMPREGNATED PAPER MULCH SHALL NOT BE USED).

LEGEND



RETAINING WALL NOTES:

CONSTRUCT 5 HIGH RETAINING WALLS WITH 5' SETBACK FOR EACH TIER.
 RETAINING WALL A, 30 LF BOTTOM 803.5 TOP 808.5
 RETAINING WALL B, 400 LF BOTTOM 809 TOP 814
 RETAINING WALL C, 390 LF BOTTOM 814 TOP 819
 RETAINING WALL D, 395 LF BOTTOM 819 TOP 824
 RETAINING WALL E, 325 LF BOTTOM 824 TOP 829
 RETAINING WALL F, 250 LF BOTTOM 829 TOP 834
 RETAINING WALL G, 140 LF BOTTOM 834 TOP 839
 RETAINING WALL H, 90 LF BOTTOM 839 TOP 844
 RETAINING WALL I, 40 LF BOTTOM 844 TOP 847

WARNING
 BEFORE DIGGING CALL GOPHER
 STATE ONE CALL FOR LOCATIONS.
 651-454-0002
 REQUIRED BY LAW

G-Cubed Inc.
 Engineering
 Surveying
 Planning

285 Westview Drive
 West Saint Paul, MN 55118
 ph. 651.288.9474 fax 651.455.4948

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

Mark R. Welch
 REG. NO. 42736

DESIGNED	CMP	REVISED	BY	DATE	LATEST REVISION: 3-22-2016
DRAWN					Prepared For: ANDY BAARTMAN
CHECKED					FILE NO.: 03212-CP baartman

CITY OF REDWING
 GOODHUE COUNTY, MINNESOTA
 2016 CONSTRUCTION

GRADING, DRAINAGE &
 EROSION CONTROL PLANS

Rivers Ridge Apartments

BENCHMARK: T.N.H. EAST SIDE OF THE INTERSECTION OF BURNSIDE AVE. AND STATE STREET, ELEV: 749.12

SHEET 1 OF 1 SHEETS