

Low Impact Design ChecklistProject: Wheat City Golf CourseDate: July 28, 2017Design Considerations (Check all that apply)Preserving Sensitive Areas and Open Space

- ☒ Has land disturbance been minimized
- ☒ Does development avoid riparian areas, wetlands, steep slopes
- ☒ Have efforts been made to avoid high infiltration and hydric soils
- ☒ Have permanent erosion control measures been utilized
- ☒ Are maximum finished slopes flatter than 3:1
- ☐ Are buffers provided on intermittent streams
- ☒ Is open space/common area available
- ☐ Is open space retained in natural condition
- ☐ Are cleared areas to be reforested

Minimizing Land Disturbance & BUA

- ☒ Are driveways and parking areas designed with vegetated swales and/or sheet flow into infiltration areas
- ☒ Does the design provide an efficient layout to reduce overall length of street and built-upon areas
- ☐ Do cul-de-sacs have a landscape island or bio-retention
- ☐ Are grass swales used instead of curb and gutter
- ☒ Are shared parking & drives used
- ☒ Do parking medians have bio-retention or allow infiltration
- ☐ Are floor elevations to connected buildings or units tiered with stepped levels
- ☐ Are detached garages used on residential lots
- ☒ Is foundation construction used as opposed to slab construction

Clustering Development

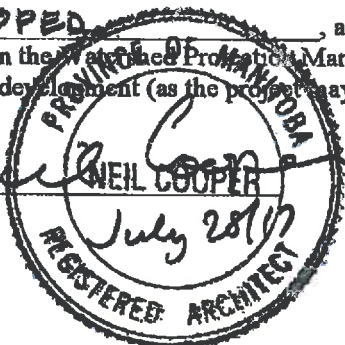
- ☒ Is the development designed away from water courses & steep slopes
- ☒ Are setbacks minimized
- ☒ Does the design use clustering to avoid lower portions of site

Managing Stormwater

- ☒ Are efforts made to retain or infiltrate water on site
- ☒ Are outfalls stabilized and receiving streams protected
- ☒ Did the design provide for a future BMP location for increased development (Required to be shown for commercial site plan.)
- ☒ Are level spreaders or dispersed flow used
- ☒ Is there a maximum use of vegetated ditches
- ☒ Is rooftop drainage discharged to lawn areas or allowed to pond
- ☒ Are drainageways natural
- ☒ Are permanent runoff control structures used
- ☒ Are innovative practices such as collecting and reusing rainwater, green roofs, permeable pavement used

I, NEIL COOPER, acknowledge that I have both utilized the Low Impact Design guidelines detailed in the Minnesota Professional Manual for the current Low Density Option design and considered future design of the development (as the project may change to the High Density Option).

Signature & Seal

Date July 28/17