CITY OF ROCHESTER
DEPARTMENT OF PUBLIC WORKS
PLAN CHECK LIST – CITY-OWNER CONTRACT

KEY
Blank = Not Applicable
Y = Yes
Ξ = No

Subdivision: _____

Engineer: _____

SPECIFICATIONS
- ❑ **NPDES permit is included.**
- ❑ Measurements, pay items conform to documentation.
- ❑ Reference governing specifications.

GENERAL
- ❑ Soils Report included
- ❑ Specification Included
- ❑ North arrow shown up or to right.
- ❑ Project Description is accurate and complete.
- ❑ Signed by the engineer and drafters initials.
- ❑ Dimension the right of way widths.
- ❑ Lot dimensions & numbers, block numbers, addition names, etc.
- ❑ Roadway width shown, along with sidewalk location.
- ❑ Stationing on CL, SL.
- ❑ Station and angle at intersections with side streets, section line, & R.R. crossings.
- ❑ Stationing, Northing & Easting on alignment data, and control monuments along with any notes.
- ❑ Bench mark elevation and description.
- ❑ Street names.
- ❑ Federal, State, and/or City project numbers.
- ❑ Field book or electronic survey number.
- ❑ Sheet numbers
- ❑ Scales, bar scales.
- ❑ Sufficient overlap of sheets.
- ❑ Sheet index on title sheet.
- ❑ Location map.
- ❑ Signature blocks.
- ❑ Easements shown for any work outside of right of way.
- ❑ Stationing on block corners.
- ❑ Inplace curb & ROW dimensions.
- ❑ Inplace underground utilities shown and labeled.
- ❑ All pertinent topography shown and labeled.
- ❑ Profile elevations, CL profile line, and rock and/or water table lines shown and labeled.
- ❑ Check abutting subdivision plans for comparison of data.
- ❑ Right of Way to be acquired.
- ❑ Beginning and End of Project labeled.
- ❑ Construction at corner lots covers entire frontage on both sides.
- ❑ Temporary turn around is provided.
- ❑ Temporary Barricades are provided at temporary dead ends
- ❑ Present & projected ADT, design speed, GE equivalent, etc., for State Aid projects.
- ❑ Minimum ROW on cul-de-sac is 49.5’.

ROADWAY
- ❑ Road Section is designed in accordance with Mn/DOT Pavement Design practices.
- ❑ Roadway is constructed along all lots of subdivision including cross streets.
- ❑ Typical section showing the depths of surfacing and base.
- ❑ Turning radii checked.
- ❑ Erosion control shown and labeled.
- ❑ Soils Report recommends road design requirements
- ❑ Cross slopes are 1-3% for driving lanes, 3-5% for parking lanes, and 2-7% for boulevards.
- ❑ Minimum radius to back of curb is 40.5’ for cul-de-sacs.

GRADING
- ❑ Minimum longitudinal grade for concrete paving is 0.40% and 0.50% for bituminous paving.
  Sod/seed areas.
- ❑ CL grades, lane grades, top of curb grades.
- ❑ Driveability of drive approaches.
- ❑ 2% maximum longitudinal grade thru intersections.
- ❑ 1% minimum longitudinal grade in the radial portion of cul-de-sac streets.

CURB & GUTTER
- ❑ Curb exposure, design of curb.
- ❑ Curb return information.
- ❑ Driveway width dimensions.
- ❑ Driveway type.
- ❑ Driveway type A, D or E used in the Central Business District.
- ❑ Minimum slope for C & G is 0.4%.
- ❑ Minimum slope of C & G in cul-de-sacs is 0.5%
- ❑ 2’ clearance from face of curb to face of any permanent object in boulevard.
- ❑ Gutter drainage does not flow across intersections
- ❑ Driveover curb is permitted at one and two family dwellings with street grades less than 8%.
- ❑ Driveways meet the criteria shown in the standard detail plates.

SIDEWALK
- ❑ Driveways are constructed with sidewalk section.
- ❑ Handicap ramps provide 1:12 ramp slope with 4' minimum landing at top in accordance with standards.
- ❑ Pedestrian curb ramps at all quadrants of intersections.
- ❑ Minimum thickness is 4 inches.
- ❑ Minimum 5’ wide walk is shown for collector and arterial streets.
- ❑ Minimum 4’ wide walk is shown for all other streets.
- ❑ Sidewalk is 1’ from property line except where boulevard width would be less than 6’.

- ❑ Bikeways shown in accordance with City standards.

SANITARY SEWER
- ❑ Label pipe size, class and length (center to center).
- ❑ Manhole numbers and construction notes or charts.
- ❑ Minimum of 6 feet of cover.
- ❑ Maintain 10 feet clear of watermain alignment.
- ❑ Maximum of 5.5 feet from centerline.
- ❑ Maximum spacing between manholes is 450 feet.
- ❑ Minimum grade is 0.40% on an 8" pipe. For pipe sizes larger check w/engineer.
- ❑ In common trench with watermain; use watermain quality pipe for sewer.
- ❑ Outside drop manhole is to be used if the difference between the inlet and outlet is 2 feet or more. Otherwise keep the difference to 6 inches or less.
- ❑ Notes on plans match notes in profile.
- ❑ When paying for granular backfill, be sure to deduct the volume of pipe.
- ❑ When calculating rock excavation quantity, be sure to account for pipe thickness.

STORM SEWER
- ❑ Label pipe size, class and length (center to center).
- ❑ Manhole & catch basin numbers and construction notes or charts.
- ❑ Check for conflicts with other mains and utilities.
- ❑ Label length & size of catch basin leads from center of structure.
- ❑ Culverts are extended beyond front property lines.
- ❑ Pipe is paid from inside to inside of structures.
- ❑ When paying for granular backfill, be sure to deduct the volume of pipe.
- ❑ When calculating rock excavation quantity, be sure to account for pipe thickness.
- ❑ Minimum grade is 0.40%.
- ❑ Notes on plans match notes in profile.
- ❑ Existing checked for taps, roof leads, floor drains, etc.
- ❑ Riprap and filter fabric quantities meet Mn/DOT Sanitary, Subdrain & water standards and are shown on plan.
- ❑ Drainage study done and the pipe sizes and grades agree with it.
- ❑ When the standard 4.0' catch basin has leads that have a steep grade, use a deeper depth basin to flatten grade.

WATERMAIN
- ❑ Minimum 8 inch watermain unless the City Engineer approves a lesser size.
- ❑ Maximum hydrant spacing is 400 feet.
- ❑ Minimum of 6.5 feet of cover in streets and 6 feet elsewhere.
- ❑ Check for conflicts with other mains.
- ❑ Watermain fitting numbers and construction notes or charts.
- ❑ Hydrant breakoff elevations.
- ❑ Label size and class of pipe. Notes match fittings on plan. Hydrant locations are out of sidewalk area. Valves clear of curb & gutter, and walks.
- ❑ Insulation is provided where storm sewer crosses water main.
- ❑ Valves clear of curb & gutter, and walks.
  - ❑ When calculating rock excavation quantity, be sure to account for pipe thickness.

SUB-DRAIN SEWER
- ❑ Check for conflicts with other mains.
- ❑ Label pipe size, class and length (center to center).
- ❑ Manhole numbers and construction notes or charts.
- ❑ Maximum spacing between manholes is 500 feet.
- ❑ Notes on plan match notes in profile.
- ❑ Subdrain system is provided in areas that have existing tile systems.
- ❑ Subdrain pipe with service connections is a minimum of 6 inches of perforated sewer quality pipe and covered with a geotextile fabric. Subdrain systems that are in a common trench but not at bottom of common trench shall be non-perforated.
- ❑ Subdrains without service connections is a 4-inch wrapped corrugated polyethylene pipe.
- ❑ Subdrain systems that are in a common trench but not at bottom of common trench shall be non-perforated.

SERVICES
- ❑ Sanitary, Subdrain & water services do not conflict with main lines
- ❑ Service elevations at boulevard are shown
- ❑ Depth to Sanitary at boulevard is 7 1/2' min.
- ❑ Depth to water at boulevard is 7 feet min.
- ❑ Depth of Sanitary is at least 2' below floor elevation listed on grading plan.
- ❑ Sewer service minimum size is 4-inch placed at 2% grade.
- ❑ Water service minimum size is 1-inch.
- ❑ Notes for wye locations, and risers.

COMMENTS:_____

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