

Recap of major changes to the 2025 City of Plymouth Engineering Guidelines and Standard Detail Specifications

CITY OF PLYMOUTH ENGINEERING GUIDELINES:

- Added to storm sewer design standards note a. 4) Minimum velocity of 3 feet per second.
- P9 II 1f. Changed watermain and storm sewer typical sides of street. WM preferred on West and south to allow for sidewalk on north and east sides of street(natural melting) with short side hydrant leads opposite of sidewalk.
- Updated Record Plan Standards.
- Removed SPP plates 2-9. Replaced with 11 Parks "Tree" plates.

CITY OF PLYMOUTH STANDARD SPECIFICATIONS FOR SANITARY SEWER CONSTRUCTION:

- SS-9 Changed MH access drive mix oil from "C" to "B". Removed "class 7" note.

CITY OF PLYMOUTH STANDARD SPECIFICATIONS FOR WATERMAIN:

- P8 2204.7A Added: All gate valves shall be assembled with an ASTM F 593 Type 304 stainless steel operating nut.
- W-1 Changed driveway curbstop cover casting from Neenah R1791 to Ford Meterbox A-1.
- W-2 Changed hydrant traffic flange from 10" to 16".

CITY OF PLYMOUTH STANDARD SPECIFICATIONS FOR STORM SEWER:

- ST-9 Added constraints to typical draintile openings in structure. Invert dt: 1' below subgrade to springline of outlet pipe.
- ST-10 Updated drain tile filter media types to reflect stormwater manual.
- ST-16 Added note to draintile "or as determined by engineer. Added Rose Turtlehead, Prairie Alumroot to Recommended plants shady areas. Removed Marsh Marigold and added Fox Sedge to Recommended plants sunny areas. Removed Pussy Willow from recommended shrubs sunny or shady areas.
- Removed ST-17, ST-18, ST-19, Renamed ST-20 to ST-17, ST-21 to ST-18, ST-22 to ST-19.

CITY OF PLYMOUTH STANDARD SPECIFICATIONS FOR STREET CONSTRUCTION:

- STRT-1 Added R418 curb.
- STRT-10 Added sawcutting as incidental. Added note 9- All sidewalk 8' in width or wider to be constructed of 6" thick concrete. Added note 10- Sidewalks 8' in width and wider to have a centerline (longitudinal) sawcut (incidental). Change sidewalk aggregate base thickness from 4" to 6."
- P12 2404.7C Change sidewalk and ped ramp agg base thickness from 4" to 6."

- P13 2404.7F Added "Sidewalk contraction joints shall be placed so that no panel is greater than 40 square feet in area. For other flatwork, contraction joints shall be placed so that no slab is larger than 100 square feet in area."
- STRT-11 Changed private drive rebar spacing to 18."
- STRT-12 Changed commercial drive rebar spacing to 18."
- STRT-15 Added note: Slope of trail may not exceed 5% in the longitudinal direction, unless adjacent street grate is greater.
- STRT-19 Changed watermain and storm sewer typical sides of street. WM preferred on west and south to allow for sidewalk on north and east sides of street(natural melting) with short side hydrant leads opposite of sidewalk.
- STRT-21 Removed round post, Added MNDOT style square tube post language. U channel post depth changed from 3' to 42", Added to common sign sizes: Left turn only R3-5, 30" x 36", Pedestrian crossing (florescent green-yellow) W11-2. 30" X 30", 36" X 36", Bicycle/Pedestrian (florescent green-yellow) W11-15. 30" X 30", 36" X 36". Added note: "Use universal symbols on signage where feasible."
- STRT-22 Changed Riser post to 2.5#. Changed stub post embedment to 42". Changed stub post height above ground(12"-18"), and splice length(12"-30") to match MNDOT.
- STRT-23 Changed sign post surface mount assembly to Klean Break model 425.
- STRT-24 Changed lowest sign mounting height range from 7'-8' to 7'.
- STRT-26 Added note to wet cast modular block units: If trail is on high side of wall, All faces of exposed block must be textured.
- STRT-31 Removed Park Monument Post detail plate.