



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
RESOURCE MANAGEMENT DIVISION
STREAMLINED WATER MAIN PERMIT CHECKLIST

Completion of this form is voluntary

For projects with up to 3,000' of either Ductile Iron or PVC water main with pipe diameter ≥ 6" and ≤12".

- Please complete this checklist to expedite permit processing and issuance.
- A Permit Application for Water Supply Systems must be completed and submitted with this form.
- For pre-approved standard specifications complete items 1 through 22.
- Without pre-approved standard specifications complete items 1 through 20 and 23 through 28.

PROJECT NAME: _____
(as entered on page one of application)

WATER SUPPLY NAME: Grand Haven Charter Township **WSSN:** 02760

GENERAL (indicate by checking the box under Yes or NA)

- | | Yes | NA | |
|----|--------------------------|--------------------------|---|
| 1 | <input type="checkbox"/> | | Project will be owned by a utility |
| 2 | <input type="checkbox"/> | | P.E. seal with signature on plans (and specifications if included) |
| 3 | <input type="checkbox"/> | | All water mains will be constructed within rights-of-way or easements |
| 4 | <input type="checkbox"/> | | Total project water main length is less than 3,000 feet |
| 5 | <input type="checkbox"/> | | Water main material is either ductile iron meeting AWWA C151 or PVC meeting AWWA C900 |
| 6 | <input type="checkbox"/> | | All water main pipe diameter is equal to or between 6 inches and 12 inches |
| 7 | <input type="checkbox"/> | | Plans show plan & profile views and indicate all major utility crossings and locations |
| 8 | <input type="checkbox"/> | | Depth of bury for all water mains is > 5 feet (if a U.P. project, 6 ft if D.I. and 7.5 ft if PVC) |
| 9 | <input type="checkbox"/> | | Spacing between valves is a maximum of 800 feet |
| 10 | <input type="checkbox"/> | | Spacing between hydrants is a maximum of 600 feet |
| 11 | <input type="checkbox"/> | | Hydrant drain holes plugged in areas of poorly drained soils or high groundwater table |
| 12 | <input type="checkbox"/> | | 10 feet horizontal separation provided between all sewers and water mains |
| 13 | <input type="checkbox"/> | | 18 inches vertical separation provided at all crossings of sewers and water mains |
| 14 | <input type="checkbox"/> | <input type="checkbox"/> | Water main project creates dead ends |
| 15 | <input type="checkbox"/> | | Water main will be disinfected and sampled in accordance with AWWA C651 |
| 16 | <input type="checkbox"/> | <input type="checkbox"/> | Project conforms to water system master plan or reliability study (if available) |

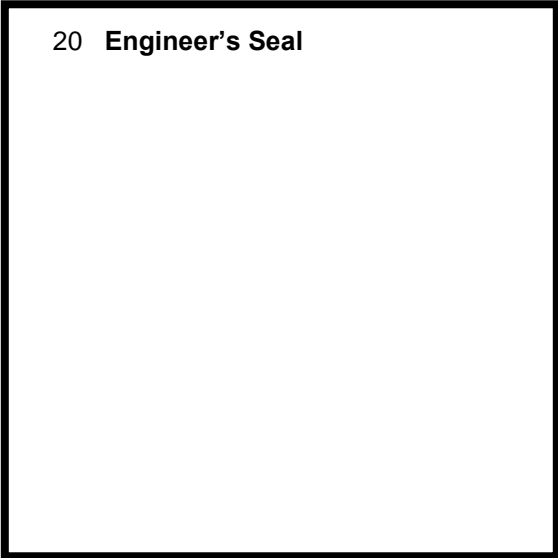
DESIGN ENGINEER CERTIFICATION

By sealing and signing this checklist I hereby certify to the best of my understanding, knowledge, and belief that the project information herein provided is correct and accurate.

17 _____
 Signature of Design Engineer

18 _____
 Printed or Typed Name of Design Engineer

19 _____
 Printed or Typed Date of Signature (Month, Day and Year)



DEQ PRE-APPROVED STANDARD SPECIFICATIONS

- Yes No**
- 21 The name and date of the standard specifications are on the cover sheet of the plans

22 Name and date of Specification: _____

COMPLETE THIS SECTION IF PRE-APPROVED STANDARD SPECIFICATIONS ARE NOT BEING USED

23 WATER MAIN MATERIALS

| Type & Class of Pipe: | DR or SDR Rating | AWWA Standard | (yes/no) | NSF Approved | (yes/no) |
|-----------------------|------------------|---------------|----------|--------------|----------|
| Ductile _____ | _____ | C151 | _____ | NSF-61 | _____ |
| PVC _____ | _____ | C900 | _____ | NSF-pw | _____ |

24 INSTALLATION

Yes NA

- If ductile iron pipe, do installation procedures meet AWWA C600?
- If PVC pipe, do installation procedures meet AWWA C605?
- Are all appurtenances, including hydrants, valves, fittings, restraint control and corrosion control consistent with existing utility configuration and standards?

25 VALVES

| Type | Size | Spacing (Min-Max Distance) | Restraint/Blocking Type |
|-------|-------|----------------------------|-------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

List the AWWA standard(s) to which valves will conform: _____

26 HYDRANTS

| Type/Brand | Size | Spacing (Min-Max Distance) | Restraint/Blocking Type |
|------------|-------|----------------------------|-------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

List the AWWA standard(s) to which hydrants will conform: _____

27 JOINTS

| Type | Size | Gasket Material | Restraint/Blocking Type |
|-------|-------|-----------------|-------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

List the AWWA standard(s) to which joints will conform: _____

28 CRITICAL CROSSINGS (i.e., Railroad, Highway, River, etc.)

| Type | Size | Gasket Material | Restraint/Blocking Type |
|-------|-------|-----------------|-------------------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |