NOTE:
Utilities placed in joint 3' trench with 12' min. separation. Joint trench to be 0'-5' behind R.O.W.

NOTE:
Utility conduits placed before street construction. Conduits to be extended 5' past back of curb or back edge of sidewalk.

STANDARD DETAILS
TYPICAL UTILITY LOCATIONS
PUBLIC AND PRIVATE

1/2019 GEN-1
NOTES:

1. HAVE BOX EXTEND AS FAR IN FRONT OF SUPPORT POST AS POSSIBLE (THIS IS TO PREVENT SNOW PLOW DAMAGE).
2. ADDRESS MUST BE ON THE SIDE OF BOX FROM WHICH CARRIER APPROACHES AND LETTERS A MINIMUM OF ONE INCH HIGH (OR ON THE FRONT WHEN BOXES ARE GROUPED).
3. BOX MUST BE LOCATED SO CARRIER CAN SERVE WITHOUT LEAVING THE VEHICLE.
4. FACE OF MAILBOX INSTALLED NO CLOSER THAN BACK OF CURB, NO FURTHER THAN 8" BEHIND BACK OF CURB.
5. ALL POSTS TO BE A MINIMUM OF 18" BEHIND THE BACK OF CURB.
6. DIMENSION PER U.S. POSTAL SERVICE.
NOTES:

1. HAVE BOX EXTEND AS FAR IN FRONT OF SUPPORT POST AS POSSIBLE (THIS IS TO PREVENT SNOW PLOW DAMAGE).
2. ADDRESS MUST BE PLACED ON SIDE OF BOX FROM WHICH THE CARRIER APPROACHES IN LETTERS A MINIMUM OF 1" HIGH (OR ON THE FRONT WHERE BOXES ARE GROUPED).
3. BOX MUST BE LOCATED SO CARRIER CAN SERVE WITHOUT LEAVING THEIR VEHICLE.
4. DIMENSIONS PER U.S. POSTAL SERVICE.
5. INSTALL BREAK AWAY MAILBOX PER MNDOT STANDARD PLATE 9350A.
2X8 CEDAR

41"-45" MIN. HEIGHT

TOP OF CURB

GUTTER

4X4 CEDAR

1X6 CEDAR

48" BURY

FRONT

SECTION

STANDARD DETAILS
MULTIPLE MAILBOX SUPPORT
WOOD STRUCTURE DESIGN

Revised 1/2019
Standard Plate No. GEN-2C
This sign marks the upslope edge of a wetland buffer. The plantings downslope of this sign contain native trees, flowers, shrubs and grasses that provide food and shelter for birds, fish and other native wildlife.

The plants also help to hold soil to prevent erosion and filter nutrients from adjacent lawns to improve the quality of the water entering the wetlands.

Per City Ordinance
No disturbance (mowing, grading, filling, or structures) in the wetland or buffer area allowed.

1. THE SIGN MUST BE:
   a. 0.063 ALUMINUM BLANK,
   b. BACKGROUND PANTONE: 155 (TAN)
   c. BLACK VERBIAGE AND LOGO PRINTED ONE SIDE
   d. PRE-DRILL HOLES IN MIDDLE TOP AND BOTTOM (AVOID VERBIAGE)
   e. TRIM TO BORDER AS SHOWN ON SIGN ARTWORK TO INSURE ROUNDED CORNERS

2. THE MARKER SHALL CONSIST OF A FOUR INCH SQUARE TREATED, OR CEDAR POST, OR GREEN STEEL POST INSTALLED TO A HEIGHT OF FOUR FEET ABOVE GRADE, AND SET AT LEAST 42” INTO GROUND.

3. BOLT OR SCREW SIGN TO POST.


5. ARTWORK AND VERBIAGE SHALL FACE PROPOSED HOME (STRUCTURE).

6. CONTACT CITY FOR POTENTIAL SIGN SOURCES.
This sign marks the edge of a wetland. Filling, draining, or excavating beyond this point is prohibited without written authorization from the Watershed District.

Per City Ordinance, no disturbance (mowing, grading, filling, or structures) in the wetland or buffer area allowed.

1. THE SIGN MUST BE:
   a. 0.063 ALUMINUM BLANK,
   b. BACKGROUND PANTONE: 155 (TAN)
   c. BLACK VERBIAGE AND LOGO PRINTED ONE SIDE
   d. PRE-DRILL HOLES IN MIDDLE TOP AND BOTTOM (AVOID VERBIAGE)
   e. TRIM TO BORDER AS SHOWN ON SIGN ARTWORK TO INSURE ROUNDED CORNERS

2. THE MARKER SHALL CONSIST OF A FOUR INCH SQUARE TREATED, OR CEDAR POST, OR GREEN STEEL POST INSTALLED TO A HEIGHT OF FOUR FEET ABOVE GRADE, AND SET AT LEAST 42" INTO GROUND.

3. BOLT OR SCREW SIGN TO POST.


5. ARTWORK AND VERBIAGE SHALL FACE PROPOSED HOME (STRUCTURE).

6. CONTACT CITY FOR POTENTIAL SIGN SOURCES.
NOTE: INSTALL STRUCTURE MARKERS AT ALL STRUCTURES NOT IN PAVED SURFACES.

0.063" THICK ALUMINUM SIGN. WHITE LETTERS ON BLUE HIGH INTENSITY REFLECTORIZED BACKGROUND.

0.063" THICK ALUMINUM SIGN. WHITE LETTERS ON GREEN HIGH INTENSITY REFLECTORIZED BACKGROUND.

0.063" THICK ALUMINUM SIGN. BLACK LETTERS ON WHITE HIGH INTENSITY REFLECTORIZED BACKGROUND.

NOTE: ALL POSTS TO BE 2" SQUARE CHANNEL, 8' LONG. PLACED AS DIRECTED BY THE CITY ENGINEER. MATCH ALL CITY SIGN POST MATERIALS AND INSTALLATION PRACTICES, SEE DETAIL PLATE STR-29.
NOTES:
1. STREET LIGHT FIXTURE TO BE MANUFACTURED BY STERNBERG LIGHTING OR APPROVED EQUAL.
2. STREET LIGHT TO BE ARTISAN 1280 LED, 64 WATT/3040 LUMENS OR APPROVED EQUAL.
3. STREET LIGHT POLE TO BE 5" SQUARE, SMOOTH SHAFT, URBAN LINE SQUARE STRAIGHT ALUMINUM POLE SSA, WITH A MILLENIA SPLIT BASE MODEL ML900 TO FIT A 5" POLE OR APPROVED EQUAL.
4. LIGHT POLE TO EXTEND 12 TO 15 FEET ABOVE GROUND SURFACE.
NOTES:

1. PEDESTRIAN STREET LIGHT FIXTURE TO BE MANUFACTURED BY STERNBERG LIGHTING OR APPROVED EQUAL.
2. PEDESTRIAN STREET LIGHT TO BE A 730LED, 23 WATT, PRAIRIE LIGHTED BOLLARD OR APPROVED EQUAL.
3. STANDARD OAH: 48" AG.
NOTE:
SIGN POST TO BE A MINIMUM 3 FT BEHIND BACK OF CURB. THE CITY ENGINEER SHALL STAKE THE APPROXIMATE LOCATION FOR SIGN PLACEMENT. THE CONTRACTOR SHALL INSTALL SIGNS IN THESE LOCATION AND IN ACCORDANCE WITH (MMUTCD). IF THERE IS A CONFLICT WITH THE PROPOSED SIGN LOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY.

STANDARD DETAILS

STREET SIGN INSTALLATION
STREET I.D. SIGNS

FOR LETTERING DETAILS, SEE STANDARD PLATE STR-19
NOTE:

1. SIGN POST TO BE A MINIMUM 3 FT BEHIND BACK OF CURB. THE CITY ENGINEER SHALL STAKE THE APPROXIMATE LOCATION FOR SIGN PLACEMENT. THE CONTRACTOR SHALL INSTALL SIGNS IN THESE LOCATION AND IN ACCORDANCE WITH (MMUTCD). IF THERE IS A CONFLICT WITH THE PROPOSED SIGN LOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY.

2. IF 3 STREET ID SIGNS ARE REQUIRED, POST SHALL BE 13 FT IN HEIGHT.
**NOTE:**

1. **SIGN POST TO BE A MINIMUM 3 FT BEHIND BACK OF CURB. THE CITY ENGINEER SHALL STAKE THE APPROXIMATE LOCATION FOR SIGN PLACEMENT. THE CONTRACTOR SHALL INSTALL SIGNS IN THESE LOCATION AND IN ACCORDANCE WITH (MMUTCD). IF THERE IS A CONFLICT WITH THE PROPOSED SIGN LOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY.**

- **EXISTING GROUND**
- **INSERT POST 6" INTO ANCHOR**
- **2" ABOVE GROUND**
- **3/8" DRIVE RIVETS W/ NYLON WASHERS TLXDR (3878 - 05)**
- **30" OR 36" STOP SIGN**
- **POST 2" * 2" * 12' (20D12 - 12 - QP)**
- **STABILIZER 2 11/2" * 2 11/2" * 18" (24F12 - ODA - PG)**
- **ANCHOR 2 11/2" * 2 11/2" * 4" (22F12 - 04 - PG)**
- **5/16" CORNER BOLT W/ NYLON LOCK NUT (TLCB 516M)**
- **5/16" NYLON LOCK NUT**
NOTE:
1. ALL PAINT COLOR IS TO BE WHITE.
2. USE MNDOT SPECIFICATIONS FOR MUTI-COMP.
3. LAYOUT OF CROSSWALK SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
4. POSITION SO SPACES ARE IN WHEEL PATHS.