

# CONNECTING TO WATER AND/OR CONNECTING TO SEWER

## **WATER**

- 1) Tap fees are paid to the Township office. This includes a \$6,075.00 tap-in fee and a \$100.00 water construction fee. Total of \$6,175.00 payable to Oxford Township.
- 2) The customer or hired contractor will purchase a water permit from the Township office. This costs \$50.00 for the permit fee and \$5.00 for inspection mileage.
- 3) The Township office will draft a letter to the WRC stating that this address is ready for a water tap with our approval. We will email this letter immediately to WRC.
- 4) Once the WRC has our approval, the County tap fees need to be paid for at WRC which is located at: One Public Works Drive, Bldg 95 West Waterford, MI 48328-1907. See County Water Tap Fees page.
- 5) Once tap fees and meter are paid for, it is the customer's responsibility to make arrangements with the WRC Operations and Maintenance Division (248) 356-6299 to pick up the water meter.
- 6) Once there is an active water permit, the customer service line may be installed. This line connects the customer stop box to the water meter. This will require an inspection by the Township Plumbing Inspector. He is available Tuesdays and Thursdays between 8:00 AM and 1:00 PM. You must call by 3:00 PM the day before in order to schedule the inspection.
- 7) The WRC will install the water meter with proper backflow prevention and wire the water meter for remote readings.

## Misc Notes:

HDPE service lines with tracer wire MUST be used for all water services two (2") inches and smaller.

The WRC is only responsible for the service line from the water main to the stop box. The stop box and customer service line (service line from the stop box to the house) is the customer's responsibility.

All water meters must be purchased from WRC.

The WRC is responsible for the maintenance of water meter only. The customer maintains all plumbing and valves inside the house or building, including shut off valves on each side of water meter.

Only standard size service taps will be made. 1-1/4" and 2-1/2" taps are NOT permitted by WRC.

The customer shall comply with all state and/or local Cross Connection Backflow regulations.

For outside irrigation taps (i.e. subdivision entrances), all taps two (2") inches or smaller are made by the WRC. In public roads, stop boxes will be installed at the property line. In private roads, (unless a full road width water main easement has been granted), stop boxes will be installed within the water main easement. See Lawn Sprinkler Riser Detail Sketch.

## **SEWER**

- 1) Tap fees are paid to the Township office. The cost is \$3,500.00 and is payable to Oxford Township. This only pays for permission to tie into the sewer system and does not include any labor or running of lines from the main.
- 2) The customer or hired contractor will purchase a sewer permit from the Township office. This costs \$50.00 for the permit fee and \$5.00 for inspection mileage.
- 3) The County tap fees need to be paid for at WRC which is located at: One Public Works Drive, Bldg 95 West Waterford, MI 48328-1907. You must present a paid permit issued by the Township before WRC will release a County permit and bond.
- 4) Once there is an active sewer permit, the customer service line may be installed. This will require an inspection by the Township Plumbing Inspector. He is available Tuesdays and Thursdays between 8:00 AM and 1:00 PM. You must call by 3:00 PM the day before in order to schedule the inspection. Township and County permit must be on site at the time of the inspection.



## HOMEOWNER AFFIDAVIT

I hereby certify that the Mechanical, Electrical, or Plumbing work described on this permit application shall be installed by myself in my own home in which I am living or about to occupy. **All work** shall be installed in accordance with the Code and **shall not be enclosed, covered up, or put into operation until** it has been **inspected and approved** by the Inspector. I will cooperate with the inspector and assume the responsibility to arrange for the necessary inspections.

**Signature of Homeowner:** \_\_\_\_\_ **Date:** \_\_\_\_\_

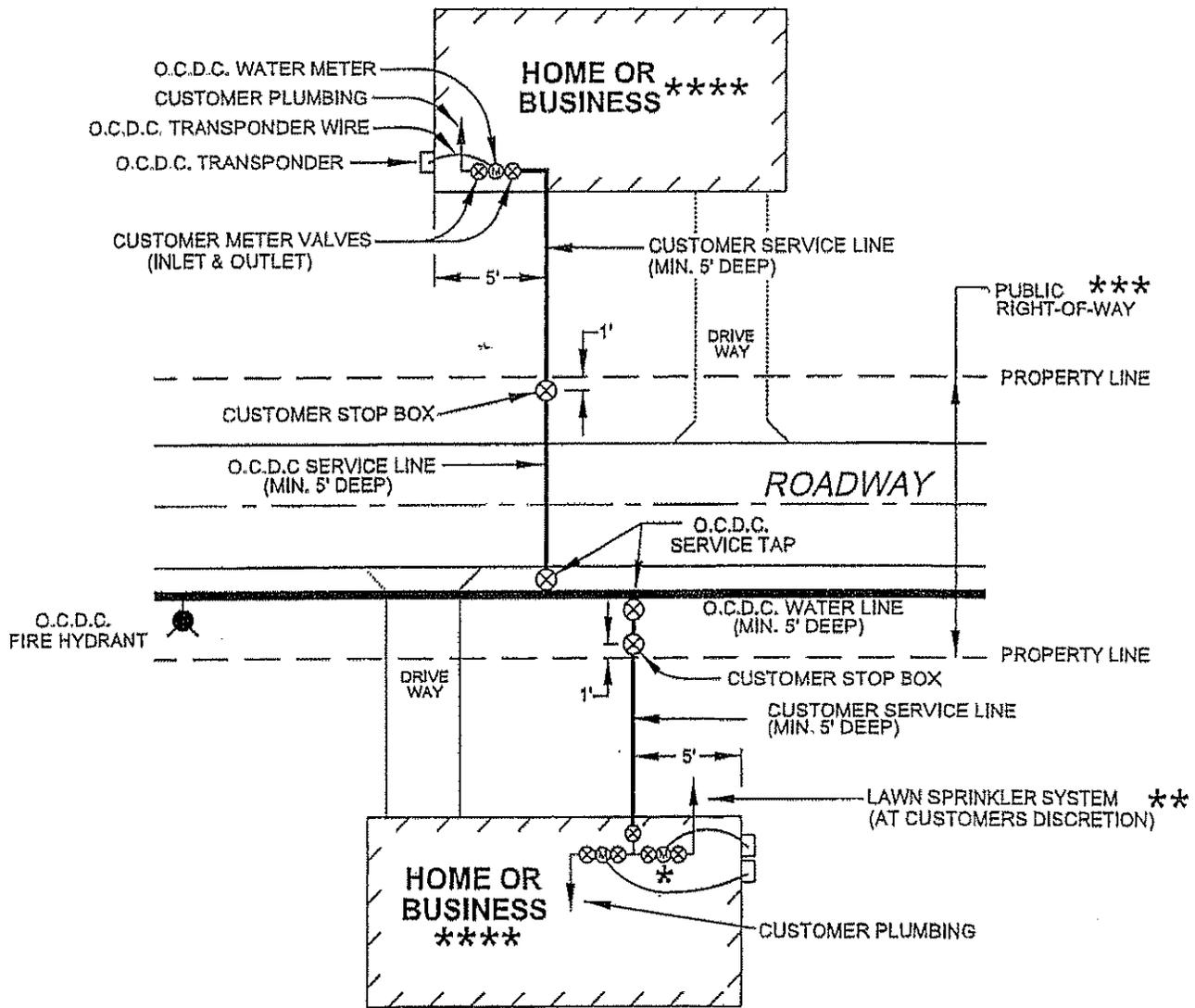
**NO WORK SHALL BE CONCEALED UNTIL IT HAS BEEN INSPECTED AND APPROVED.**

**EXPIRATION OF PERMIT:** A permit remains valid as long as work is progressing and inspections are requested and conducted. A permit shall become invalid if the authorized work is not commenced within six (6) months after issuance of the permit or the authorized work is suspended or abandoned for a period of six (6) months after the time of commencing work.

**A PERMIT WILL BE CANCELED WHEN NO INSPECTIONS ARE REQUESTED AND CONDUCTED WITHIN SIX (6) MONTHS OF THE DATE OF ISSUANCE OR THE DATE OF A PREVIOUS INSPECTION. CANCELLED PERMITS CANNOT BE REFUNDED OR REINSTATED.**

Permitted work shall not be started until the application for permit has been filed. All installations shall be in conformance with the applicable codes. No work shall be concealed until it has been inspected and approved.

When ready for an inspection call the Building Department and be prepared with the permit number, job location and lock box code, or any special instructions for access.



\* DMS METER (OPTIONAL) APPLICABLE IN FARMINGTON HILLS ONLY.

\*\* LAWN SPRINKLER SYSTEMS REQUIRE AN APPROVED BACKFLOW DEVICE TO BE TESTED AT INITIAL INSTALLATION AND EVERY 1 - 5 YEARS THERE AFTER AS REQUIRED BY O.C.D.C.

\*\*\* WATER TAPS CANNOT BE MADE ON PRIVATE PROPERTY (OUTSIDE OF EASEMENTS OR OUTSIDE OF ROAD RIGHT-OF-WAY). THE O.C.D.C. DOES NOT INFRINGE ON THE COMMON GROUNDS OR PRIVATE PROPERTY OF CONDOMINIUM COMPLEXES.

\*\*\*\* A SEPARATE FIRE SERVICE TAP IS REQUIRED FOR BUILDINGS WITH FIRE PROTECTION. DOMESTIC SERVICE TAP CANNOT BE MADE ON THE FIRE LINE.

## TYPICAL WATER SERVICE LAYOUT

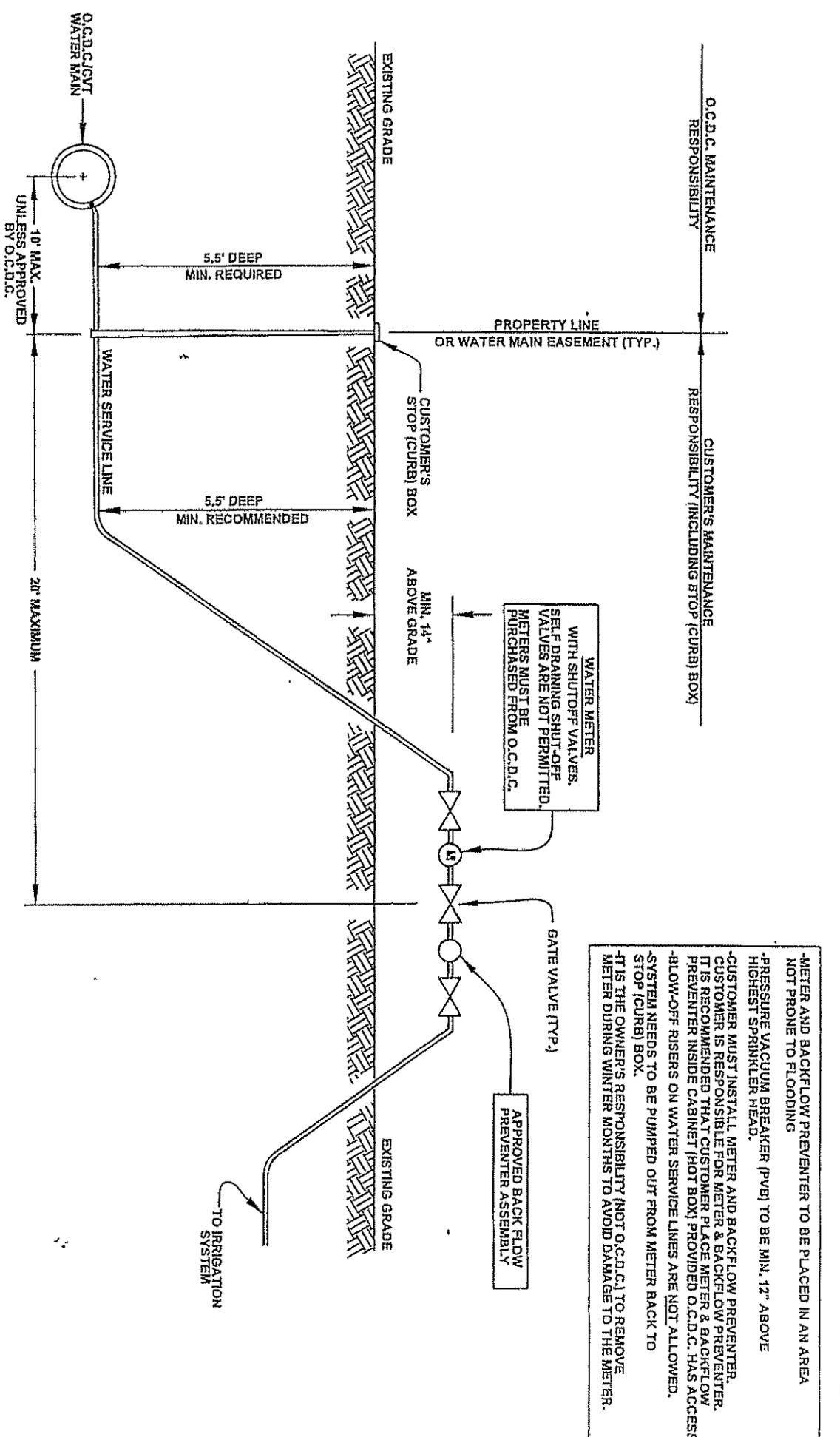
### REVISION BLOCK

Rev. No.:	Rev. By:	Rev. Date:	Description:
1	lz	03/24/05	REVISED DETAILS AND NOTES
2	lz	08/21/07	REVISED SERVICE NOTES
3			
4			



### WATER SERVICE DETAIL

ONE PUBLIC WORKS DRIVE, BLDG 95 WEST WATERFORD, MICHIGAN 48328-1907		ORIG. DATE: 6-25-02	SHEET: 1 of 1
		SCALE: N T S	



O.C.D.C. MAINTENANCE RESPONSIBILITY

CUSTOMER'S MAINTENANCE RESPONSIBILITY (INCLUDING STOP (CURB) BOX)

PROPERTY LINE OR WATER MAIN EASEMENT (TYP.)

WATER METER WITH SHUTOFF VALVES. SELF DRAINING SHUT-OFF VALVES ARE NOT PERMITTED. METERS MUST BE PURCHASED FROM O.C.D.C.

-METER AND BACKFLOW PREVENTER TO BE PLACED IN AN AREA NOT PRONE TO FLOODING

-PRESSURE VACUUM BREAKER (PVB) TO BE MIN. 12" ABOVE HIGHEST SPRINKLER HEAD.

-CUSTOMER MUST INSTALL METER AND BACKFLOW PREVENTER. CUSTOMER IS RESPONSIBLE FOR METER & BACKFLOW PREVENTER. IT IS RECOMMENDED THAT CUSTOMER PLACE METER & BACKFLOW PREVENTER INSIDE CABINET (HOT BOX) PROVIDED O.C.D.C. HAS ACCESS.

-BLOW-OFF RISERS ON WATER SERVICE LINES ARE NOT ALLOWED.

-SYSTEM NEEDS TO BE PUMPED OUT FROM METER BACK TO STOP (CURB) BOX.

-IT IS THE OWNER'S RESPONSIBILITY (NOT O.C.D.C.) TO REMOVE METER DURING WINTER MONTHS TO AVOID DAMAGE TO THE METER.

**WATER TAP**

**PROFILE**

**LAWN SPRINKLER RISER DETAIL**

- ALL WATER TAPS 2" AND SMALLER ARE MADE BY O.C.D.C.
- WATER SPRINKLER TAPS ARE SHORT TAPS ONLY. UNLESS APPROVED BY O.C.D.C.
- ALL STOP (CURB) BOXES WILL BE INSTALLED WITHIN 10" OF THE WATER MAIN. UNLESS APPROVED BY O.C.D.C.
- THE CUSTOMER IS RESPONSIBLE FOR ALL CLEANUP AND RESTORATION RESULTING FROM A SERVICE LINE INSTALLATION FOR IRRIGATION PURPOSES.

NOT TO SCALE



REVISED: 10/03/07 E

**WATER SYSTEM CHARGES****Tap and Meter Fee Charges - All Communities Except Pontiac**

Communities	Tap Size x Meter Size	Meter and Installation	Footage Charge		Permit and Fixed Charges	Construction Water	Total			
			HDPE	Copper			Existing HDPE	New HDPE	Existing Copper	New Copper
KHC only	3/4"x5/8"	\$ 320	\$710	\$780	\$190	\$35	\$1,220	\$1,255	N/A	N/A
COT only	1" x 3/4"	\$ 350	\$920	\$990	\$230	\$40	\$1,500	\$1,540	N/A	N/A
All, except POC	1" x 5/8"	\$ 320	\$920	\$990	\$220	\$40	\$1,460	\$1,500	\$1,530	\$1,570
All, except POC	1" x 1"	\$ 400	\$920	\$990	\$240	\$40	\$1,560	\$1,600	\$1,630	\$1,670
All, except POC	1.5" x 1"	\$ 400	\$1,250	\$1,320	\$300	\$45	\$1,950	\$1,995	\$2,020	\$2,065
COT only	1.5"x 3/4"	\$ 350	\$1,250	\$1,320	\$290	\$45	\$1,890	\$1,935	N/A	N/A
All, except POC	1.5"x 1.5"	\$ 580	\$1,250	\$1,320	\$330	\$45	\$2,160	\$2,205	\$2,230	\$2,275
COT only	2" x 3/4"	\$ 350	\$1,490	\$1,560	\$330	\$50	\$2,170	\$2,220	N/A	N/A
All, except POC	2" x 1"	\$ 400	\$1,490	\$1,560	\$340	\$50	\$2,230	\$2,280	\$2,300	\$2,350
All, except POC	2" x 1.5"	\$ 580	\$1,490	\$1,560	\$380	\$50	\$2,450	\$2,500	\$2,520	\$2,570
All, except POC	2" x 2"	\$ 700	\$1,490	\$1,560	\$400	\$50	\$2,590	\$2,640	\$2,660	\$2,710

**Tap and Meter Fee Charges - Pontiac**

Communities	Tap Size x Meter Size	Meter and Installation	Footage Charge		Permit and Fixed Charges	Pavement Restoration	Construction Water	Total			
			HDPE	Copper				Existing HDPE	New HDPE	Existing Copper	New Copper
POC only	1" x 5/8"	\$500	\$920	\$990	\$220	\$1,950	\$40	\$3,590	\$3,630	\$3,660	\$3,700
POC only	1" x 1"	\$580	\$920	\$990	\$240	\$1,950	\$40	\$3,690	\$3,730	\$3,760	\$3,800
POC only	1.5" x 1"	\$580	\$1,250	\$1,320	\$300	\$2,110	\$45	\$4,240	\$4,285	\$4,310	\$4,355
POC only	1.5"x1.5"	\$770	\$1,250	\$1,320	\$330	\$2,110	\$45	\$4,460	\$4,505	\$4,530	\$4,575
POC only	2" x 1"	\$580	\$1,490	\$1,560	\$340	\$2,390	\$50	\$4,800	\$4,850	\$4,870	\$4,920
POC only	2" x 1.5"	\$770	\$1,490	\$1,560	\$380	\$2,390	\$50	\$5,030	\$5,080	\$5,100	\$5,150
POC only	2" x 2"	\$880	\$1,490	\$1,560	\$400	\$2,390	\$50	\$5,160	\$5,210	\$5,230	\$5,280

Conversion of 5/8" to 1" meter:	\$	73.00
Conversion of 1" to 1 1/2" meter:	\$	185.75
Conversion of 3/4" to 1" meter:	\$	47.75
Conversion of 3/4" to 1 1/2" meter:	\$	233.50

Minimum service size is 1", except for Keego Harbor, which allows a 3/4" service.  
 Commerce Township does not allow 5/8" meters except for detecto meters.  
 All well systems require a minimum meter size of 1".

We do not make taps larger than 2".

Permits for taps over 2" must be approved by the Water Engineering Unit.

Additional charge for corner lots choosing NOT	1"	\$	625.00
to connect to the nearest water main:	1 1/2"	\$	810.00
	2"	\$	936.00

If the contractor made the water taps (WRC does not make the tap, anything over 2") - use the charges for the meter size needed with the smaller service size above. Do not use the footage charge. Only permit & fixed, meter & installation and construction water.

Non-metered entrances must be approved by the Water Engineering Unit. Charge for everything except the meter & installation.

### TYPE OF PIPE FOR WATER CONNECTION SERVICE LEADS

Bingham Farms	HDPE
Bloomfield Hills	HDPE
Commerce Twp	HDPE
Farmington Hills	Either – customer's choice
Highland Twp	HDPE
Keego Harbor	HDPE
Lyon Twp	HDPE
Oakland Twp	HDPE
Orchard Lake	Either – customer's choice
Oxford Twp	HDPE
City of Pontiac	Either – customer's choice
Royal Oak Twp	Either – customer's choice

**BLOOMFIELD HILLS**

Customer must provide a copy of the Bloomfield Hills Water Connection Permit and the Sewer Connection Permit before we can accept a water connection application.

**COMMERCE TOWNSHIP**

New Service

Customer must provide a copy of the Commerce Township Plumbing Permit (permit code: water) before we can accept a water connection application or any other items that are detailed above.

DMS Meter or Change in Meter

Customer must provide a copy of the Commerce Township Plumbing Permit (permit code: water) prior to accepting a water connection application or any other items that are detailed above. **Customer must pay the permit & fixed charges and the meter & installation cost** based upon the new meter size requested. In the event of a change in meter, the customer has the option of keeping the existing meter. If the customer does not want the meter, WRC will evaluate the meter (age and condition) and either place it back in circulation or scrap the meter.

**Pre-Taps:** The following streets have some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box:

- |                  |                    |                    |                |                |
|------------------|--------------------|--------------------|----------------|----------------|
| <b>Boncrest</b>  | <b>Mapledale</b>   | <b>Union Lk Rd</b> | <b>Farrant</b> | <b>Tan Bay</b> |
| <b>Flagstaff</b> | <b>Twin Sun Cr</b> |                    |                |                |

**FARMINGTON HILLS WATER CAPITAL CHARGES**

- |                             |                     |                          |
|-----------------------------|---------------------|--------------------------|
| Farmington "A", "NE", "IND" | \$ 75.00 per unit   |                          |
| Farmington "NW"             | \$1,500.00 per unit | (sprinklers are \$75.00) |

Farmington Hills Dual Meter Systems (DMS) – customer must provide a copy of the Dual Meter Plumbing permit from Farmington Hills. Fees are \$50.00 plus meter & installation charge.

**FARMINGTON HILLS WATER DIRECT CONNECTION CHARGE**

Levied against addresses connecting directly to large water mains – mainly the "Mile Roads" (See red highlighting on the maps). New buildings must pay \$ 500.00 at the time of application. Existing buildings may pay over 60 consecutive quarters at \$8.34 per quarter.

- |           |                    |                  |                    |
|-----------|--------------------|------------------|--------------------|
| Parts of: | Drake Road         | Inkster Road     | Orchard Lake Road  |
|           | Farmington Road    | Middlebelt Road  | Thirteen Mile Road |
|           | Fourteen Mile Road | Nine Mile Road   | Twelve Mile Road   |
|           | Grand River        | Northwestern Hwy | Valley Road        |
|           | Halsted            | Old Colony       |                    |

**Pre-Taps:** The following street has some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box: **Farmington Road**

**KEEGO HARBOR**

Customer must provide proof that new tap or reconnection fees have been paid at Keego Harbor before we can accept a water connection application.

**Pre-Taps:** The following streets have some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box: **Beechmont Maddy Ln**

**LYON TOWNSHIP**

Customer must provide a copy of the Lyon Township Water System Connection Application before we can accept a water connection application.

Reconnects do not need a Lyon Permit – per Lyon Twp 09/22/2008

**Pre-Taps:** The following street has some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box: **Cobblers Ct**

**OAKLAND TOWNSHIP**

Customer must provide a copy of the Oakland Township Water Permit before we can accept a water connection application. (Proof that fees were paid at Oakland Township)

**Pre-Taps:** The following street has some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box: **Elk Ct**

**ORCHARD LAKE WATER CONNECTION FEE**

\$ 2,500.00 per unit

**Pre-Taps:** The following streets have some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box.

- |              |              |             |                |            |
|--------------|--------------|-------------|----------------|------------|
| Arcadia      | Lakeview     | Willow      | Birdview       | Laplaya    |
| Woodlawn     | Bluebird     | Oak Grove   | Old Orchard Tr | Commerce   |
| Park Dr      | Orchard Lake | Deer Run Cr | Pontiac Tr     | Village Ct |
| Dow Ridge    | Shady Beach  | Walnut Ct   | Elmgate        | Shore Dr   |
| Wards Pointe | Erie         | Sunset Blvd | West Shore     | Fairlawn   |
| Sunshine     |              |             |                |            |

**OXFORD TOWNSHIP**

Customer must provide a copy of the "OK TO TAP" letter from Oxford Township before we can accept a water connection application.

**Pre-Taps:** The following streets have some pretaps. Check the pretap folder for specific addresses or lots. The applicant is responsible for connecting to the stop box:

Algonquian Tr	Stanton Rd	Woodside Ct	Island Lake Dr
Willow Lake Ct	South Shore Dr	Willow Lake Dr	

**SPRINGFIELD TOWNSHIP**

We collect permit & fixed, footage, construction water, \$ 450.00 special connection charge and \$200.00 reserve charge per condo unit or apartment. There are no meters in Springfield Township.

**CITY OF PONTIAC****DMS Meter**

Customer must provide a copy of the City of Pontiac Plumbing Permit prior to accepting a water connection application for a DMS meter. **Customer must pay the permit & fixed charges and the meter & installation cost** based upon the new meter size requested.

**WOLVERINE LAKE**

Customer must provide a copy of the Wolverine Lake 'Water Tap Connection Permit' and a receipt from Commerce Township for capital charges (IRWATER).

**SPECIAL CONNECTION CHARGES**

Highland Township	\$ 450.00
Oakland Township	\$ 450.00
Oxford Township	\$ 450.00
Springfield Township	\$ 450.00

**OUT OF DISTRICT (WELL WATER SYSTEMS)**

\$ 850.00 per tap

Highland Township	South Bay Shores, Bretton Meadows, Highland Place Site Condos
Oxford Township	Rolling Meadows, Red Barn, Expanded Red Barn

THERE ARE NO EXTRA CHARGES FOR BINGHAM FARMS, BLOOMFIELD HILLS, COMMERCE TOWNSHIP, LYON TOWNSHIP, KEEGO HARBOR, PONTIAC AND ROYAL OAK TOWNSHIP.

**LARGE METER PRICES**

<b>Meter Description</b>	<b>Meter</b>	<b>Flanges/Gasket</b>	<b>Strainer/ Strainer Kit</b>	<b>R900</b>	<b>Subtotal</b>	<b>25% for Permit and Fixed</b>	<b>Total</b>
3" Ecoder	\$1,929.42	\$456.00	\$561.62	\$136.26	\$3,083.30	\$770.83	<b>\$3,854.13</b>
4" Ecoder	\$2,609.37	\$633.00	\$792.07	\$136.26	\$4,170.70	\$1,042.68	<b>\$5,213.38</b>
6" Ecoder	\$3,958.69	\$1,012.00	\$1,506.99	\$136.26	\$6,613.94	\$1,653.49	<b>\$8,267.43</b>
4" Protectus Ecoder	\$5,620.06	Included in meter price	\$76.00	\$136.26	\$5,832.32	\$1,458.08	<b>\$7,290.40</b>
6" Protectus Ecoder	\$7,613.87	Included in meter price	\$142.80	\$136.26	\$7,892.93	\$1,973.23	<b>\$9,866.16</b>
8" Protectus Ecoder	\$9,763.11	Included in meter price	\$220.00	\$136.26	\$10,119.37	\$2,529.84	<b>\$12,649.21</b>
10" Protectus Fire Meter Ecoder	\$18,416.00	Included in meter price	\$232.00	\$136.26	\$18,784.26	\$4,696.07	<b>\$23,480.33</b>
12" Protectus Fire Meter Ecoder	\$19,450.00	Included in meter price	\$240.00	\$136.26	\$19,826.26	\$4,956.57	<b>\$24,782.83</b>

**OTHER WATER SYSTEM CHARGES**

OVERTIME MAINTENANCE/INSPECTION (One Person)	\$650 per day
REPAIR/LOCATION OF STOP BOX (Except for Pontiac)	\$760 per site
REPAIR/LOCATION OF STOP BOX – City of Pontiac	\$1,120 per connection
ABANDONMENT OF WATER SERVICE (2" and smaller) (Except for Pontiac)	\$350 per site
ABANDONMENT OF WATER SERVICE – City of Pontiac	\$1,300 per connection
WATER SERVICE TURN ON	\$75 per site
WATER SERVICE TURN OFF	\$75 per site
WATER METER TEST	\$200 per meter

UNCUSTOMARY WRC WATER UNIT SERVICES – Including, but not limited to, standby time for turn-on's and turn-off's, emergency meter installations and other special services requested by the customer. The rates below include labor, benefits, administration, transportation, equipment and overhead costs.

STRAIGHT TIME      \$60 per hour minimum

OVERTIME            \$80 per hour minimum

**SEWER SYSTEM CHARGES****KEEGO HARBOR SEWER CAPITAL CHARGE**

New Construction - \$ 600.00 per unit at the time the water permit is taken out.  
Existing buildings may pay \$9.00 per unit per quarter.

**ORCHARD LAKE SEWER CONNECTION FEE**

Existing buildings - \$ 3,500.00 per unit - must be paid in full when they apply  
New Construction - \$ 4,500.00 per unit - must be paid in full when they apply  
If they are already paid \$ 3,500.00 per unit and are rebuilding - collect \$ 1,000.00 per unit

**OTHER SEWER SYSTEM CHARGES**

SEWER CONNECTION/ DISCONNECTION PERMIT \$ 200 per connection

The sewer permit administration rights are pending transfer to WRC for the following communities:  
Farmington Hills, Bloomfield Hills, Beverly Hills, Oxford Township, Oakland Township, Commerce Township,  
and Wolverine.

GRINDER PUMP REMOVAL/RE-INSTALLATION \$ 250 per service call for all customer-  
(Orchard Lake, Oxford Township, Commerce Township, related grinder pump repairs or  
Wolverine, White Lake) replacement due to misuse, excessive  
water discharge, customer power  
interruptions, non-grinder pump odors,  
internal plumbing issues, sump pumps,  
well problems and other issues not  
directly related to the actual grinder  
pump operation.

OVERTIME INSPECTION \$ 650/day

**WATER AND SEWER MISC. BILLING FEES**

DUPLICATE INVOICE FEE \$1.00 per invoice