



Regular City Council Meeting
7:00 p.m., Monday, October 5, 2020
Virtual via Zoom
Meeting ID: 891 0950 7362
Passcode: 101187

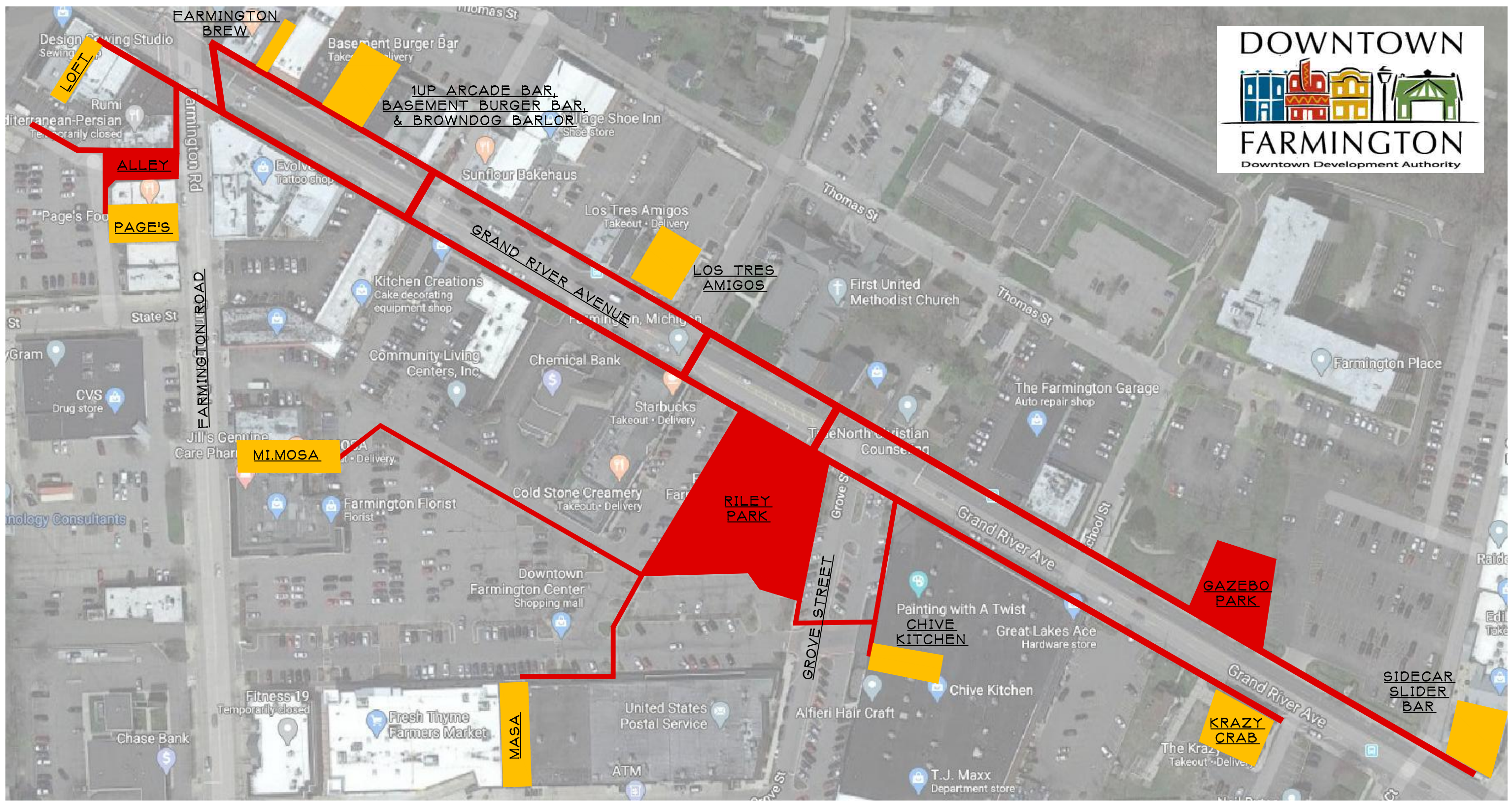
REGULAR MEETING AGENDA

- 1. Roll Call**
- 2. Approval of Agenda**
- 3. Beautification Committee interview**
- 4. First Reading: Introduction of an Ordinance relating to the creation of a Social District**
- 5. Water main replacement update**
- 6. Consideration to approve contract for updated printers**
- 7. Other Business**
- 8. Public Comment**
- 9. Council Comment**
- 10. Adjournment**

The City will follow its normal procedures for accommodation of persons with disabilities. Those individuals needing accommodations for effective participation in this meeting should contact the City Clerk (248) 474-5500, ext. 2218 at least two working days in advance of the meeting. An attempt will be made to make reasonable accommodations.

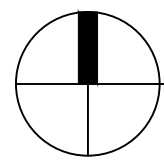
Farmington City Council Staff Report	Council Meeting Date: October 5, 2020	Item Number 3
Submitted by: Melissa Andrade		
Agenda Topic: Beautification Committee Interview		
Proposed Motion: Move to appoint Natalie Soave to serve on the Farmington Beautification Committee for a term ending 6/30/2023.		
<p>Background: This is the last vacancy left on the Beautification Committee.</p> <p>The Committee will be meeting on the 3rd Thursday, every other month at 7:30 p.m., with the next regular meeting set for November 19.</p> <p>Beautification Committee Purpose:</p> <ol style="list-style-type: none"> a. Consider and propose programs that would improve the physical appearance of the community and implement them as approved by the City Council; b. Organize and execute an annual effort to encourage citizen participation in activities designed to beautify the city; c. Continue with the Beautification Awards Program; and d. Assist where needed with the Community Garden Program; and e. Other possible projects and agreed upon by the Committee and City Council. 		
Materials: Application		

Farmington City Council Staff Report	Council Meeting Date: October 5, 2020	Reference Number 4	
Submitted by: DDA Director			
Description Consideration to Approve Ordinance No. _____, relating to the creation of a Social District as authorized by the			
Requested Action To approve Introduction of Ordinance No. _____, an Ordinance to Amend The City of Farmington Code of Ordinances, Chapter 3, "Alcoholic Liquors," To Add Article III, "Social Districts." FIRST READING			
<p>Background</p> <p>The State of Michigan enacted a new law intended to spur economic activity and provide flexibility for hospitality businesses by enabling the on-site sale and off-site consumption of alcoholic beverages in designated "Social District" areas.</p> <p>On July 1, 2020, Governor Whitmer signed House Bill 5781 into law (MCL 436.1551) creating the "Social District Permit," which allows local governments to designate a Social District within their jurisdictions. Businesses that are granted a Social District Permit may sell alcoholic liquor (beer, wine, mixed spirits, or mixed drinks) on their licensed premises to customers who may then consume the alcoholic liquor within the commons area of the Social District. Local governments may now designate a Social District that contains a "commons area." Once designated, "qualified licensees" whose licensed premises are contiguous to the commons area within the Social District and who obtain a license from the Michigan Liquor Control Commission (MLCC) may permit patrons to leave the licensed premises with the alcohol and consume it within the commons area.</p> <p>A Social District will be delineated and proposed for consideration in the form of a Resolution of City Council. Kate Knight is currently working with downtown business owners to determine which will apply to the MLCC for a Social District Permit. This will form the basis of the boundaries of the District. As more businesses add these permits, the Social District may be amended by City Council by amending the Resolution to expand or modify the District.</p> <p>Attachment</p> <ul style="list-style-type: none"> • Proposed Social District Plan • Social District Draft Ordinance 			
Agenda Review			
Department Head	Finance/Treasurer	City Attorney	City Manager



DOWNTOWN FARMINGTON SOCIAL DISTRICT PLAN

SCALE: 1" = 120'-0"



AREAS:	
WALKING PATH	35,289 SQ.FT.
RILEY PARK	32,355 SQ.FT.
GAZEBO PARK	9,165 SQ.FT.
ALLEY	3,035 SQ.FT.
TOTAL	79,844 SQ.FT.

STATE OF MICHIGAN

COUNTY OF OAKLAND

CITY OF FARMINGTON

ORDINANCE NO. C-____-2020

**AN ORDINANCE TO AMEND THE CITY OF
FARMINGTON CITY CODE OF ORDINANCES,
CHAPTER 3, "ALCOHOLIC LIQUORS," TO ADD
ARTICLE III, "SOCIAL DISTRICTS."**

THE CITY OF FARMINGTON ORDAINS:

PART I. That Chapter 3, "Alcoholic Liquors" of the City of Farmington Code of Ordinances is hereby amended to add Article III, "Social Districts," to read as follows in its entirety:

Article III. Social Districts

Sec. 3-40. – Social Districts and Common Areas

A. Pursuant to the authority granted by Public Act 124 of 2020 the City Council may designate by Resolution Social Districts and Commons Areas, which shall be clearly marked with appropriate signage within a Social District.

B. The creation of a Commons Area shall include the adoption of a management and maintenance plan, which may be amended as necessary, for the protection of the health and safety of the community and includes, but is not limited to, limitations on the hours of operation for a Commons Area.

C. Except as provided by State law, the holder of a Social District Permit issued by the Michigan Liquor Control Commission may sell alcoholic liquor for consumption within the confines of a Commons Area if both of the following requirements are met:

1. The holder of the Social District Permit only sells and serves alcoholic liquor on the holder's licensed premises;

2. The holder of the Social District Permit only serves alcoholic liquor to be consumed in the Commons Area in a container to which all of the following apply:

a. the container prominently displays the Social District Permittee's trade name or logo or some other mark that is unique to the social district permittee's on-premises license;

b. the container prominently displays a logo or some other mark that is unique to the Commons Area;

- c. the container is not glass; and
- d. the container has a liquid capacity that does not exceed 16 ounces.

D. A purchaser may remove a container of alcoholic liquor sold by a holder of a Social District Permit from the Social District Permittee's licensed premises to the Commons Area if all of the following conditions are met:

- 1. The purchaser does not remove the container from the commons area;
- 2. The purchaser does not possess the container in a motor vehicle; and
- 3. While possessing the container, the purchaser does not enter the licensed premises of a social district permittee other than the Social District Permittee from which the purchaser purchased the container.

E. The consumption of alcoholic liquor from a container in a Commons Area as allowed under this section may only occur during the hours established by the Management and Maintenance Plan for the Commons Area.

F. This section is to be strictly construed as a limited exception to, and not in conflict with, Sections 3-5 and 21-27 of the City of Farmington Code of Ordinances which generally prohibit the public consumption and possession of open containers of liquor and alcoholic beverages. For purposes of Section 35-102(b)(7) of the Zoning Ordinance, the Social District shall constitute the defined area required by the ordinance for the holder of a Social District Permit.

G. A purchaser of alcoholic liquor violating the restrictions set forth in this section is guilty of misdemeanor punishable by a fine of up to \$500 and associated court costs.

H. As used in this section:

1. "Commons Area" means an area within a Social District clearly designated and clearly marked in accordance with a resolution adopted by the City Council and which is shared by and contiguous to the premises of at least 2 Qualified Licensees the district shall constitute the "defined area" while the ordinance is in effect and the business is in compliance.

2. "Qualified Licensee" means a retailer that holds a license, other than a special license, to sell alcoholic liquor for consumption on the licensed premises; and a manufacturer with either: a) an on-premises tasting room permit, b) an off-premises tasting room license, or c) a joint off-premises tasting room license.

I. The City Council reserves the ability to revoke the Social District designation if it determines that the activities within or existence of the Commons Area threaten the health, safety, or welfare of the public or have become a public nuisance. Before revoking the designation, the City Council will hold at least 1 public hearing, the time and place thereof which shall be noticed as required by the Open Meetings Act, MCL15.261 *et seq.*, on the proposed revocation.

J. The City Clerk is authorized and directed to file this ordinance and any resolutions setting forth the designation of the Social District and Commons Areas along with the management and maintenance plans adopted pursuant to ordinance with the Michigan Liquor Control Commission.

K. This section sunsets and shall be of no further legal effect after December 31, 2024."

Part II Severability

Should any section, subsection, paragraph, sentence, clause, or word of this ordinance be held invalid for any reason, such decisions shall not affect the validity of the remaining portions of the ordinance.

Part III Savings

This amendatory ordinance shall not affect violations of the zoning ordinance or any other ordinance existing prior to the effective date of this ordinance and such violation shall be governed and shall continue to be separately punishable to the full extent of the law under the provisions of such ordinance at the time the violation was committed.

Part IV Effective Date: Publication.

This amendatory ordinance shall be effective 10 days after adoption by the City Council and after publication as provided by the Charter of the City of Farmington.

Ayes:
 Nays:
 Abstentions:
 Absent:

STATE OF MICHIGAN)
)ss.
 COUNTY OF OAKLAND)

I, the undersigned, the qualified and acting City Clerk of the City of Farmington, Oakland County, Michigan, do certify that the foregoing is a true and complete copy of the Ordinance adopted by the City Council of the City of Farmington at a meeting held on the ____ day of _____, 2020, the original of which is on file in my office.

 Mary Mullison, City Clerk
 City of Farmington

Adopted:
 Published:
 Effective:

**Farmington City Council
Staff Report**

Council Meeting Date:
October 7, 2020

**Reference
Number
5**

Submitted by: Chuck Eudy, Superintendent

Description Emergency Water Repair update

Requested Action

Background

OHM developed detour plan and received approval by RCOC, MDOT, and Farmington Hills for the detour plan.

RCOC Right of Way construction permit submitted

Farmington Hills Right of Way permit in progress

MDOT Right of Way Construction Advance notice submitted and rejected by MDOT

MDOT Right of Way Individual Permit submitted and pending MDOT approval.

EGLE Act 399 permit submitted, waiting for approval.

OHM meet with Vince D'Angelo to review site conditions

OHM has requested Bidigare Construction to submit a quote

OHM has requested VIL Construction to submit a quote

Attachments:

OHM Engineers estimate

D'Angelo Brothers Estimate

MOT plan

Bidigare Estimate

VIL Estimate

Agenda Review			
Department Head	Finance/Treasurer	City Attorney	City Manager



**Floral St. & 9 Mile
Emergency Water Main Replacement
BID FORM**

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Floral Street & 9 Mile Emergency Water Main Replacement
Approximately 220' of 4-inch removed and replaced with 8-inch DI water main

DATE: Sep 21, 2020
PROJECT NO. 0111-20-0051
ESTIMATOR: JLH
CHECKED BY: MDP
CURRENT ENR: JLH

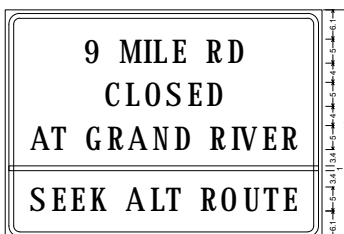
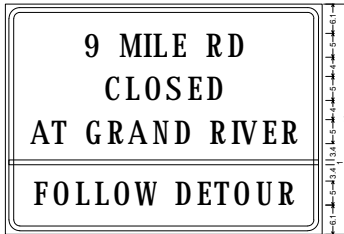
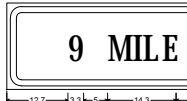
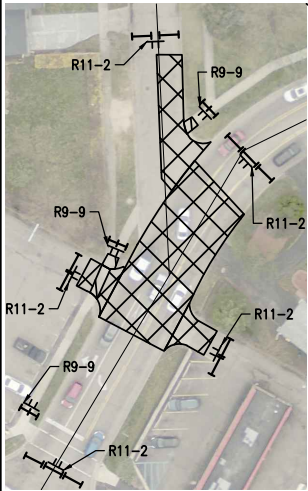
WORK:

ITEM	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization, Max. 5%	1	LS	10,500.00	10,500.00
2	Traffic Maintenance & Control	1	LS	41,500.00	41,500.00
3	Erosion Control, Inlet Protection, Fabric Drop	2	EA	80.00	160.00
4	Pavt, Rem	560	SYD	18.00	10,080.00
5	Sidewalk, Rem	18	SYD	18.00	324.00
6	Gate Well, Rem	1	EA	1,120.00	1,120.00
7	Subgrade Undercutting, Type II (Modified)	30	CYD	51.00	1,530.00
8	Subgrade Undercutting, Type II (Special)	30	CYD	42.00	1,260.00
9	Trench Undercut and Backfill	30	CYD	40.00	1,200.00
10	Structure Adjust	1	EA	800.00	800.00
11	Aggregate Base, 21AA Limestone, 8 inch	220	TON	45.50	10,010.00
12	Aggregate Base, 21AA Limestone, Drive Approach, 6 inch	28	TON	45.50	1,274.00
13	Maintenance Aggregate, 21AA	10	TON	45.50	455.00
14	Station Grading	2.4	STA	6,260.00	15,024.00
15	Conc, Nonreinf, 7 inch (Floral Street)	112	SYD	88.00	9,856.00
16	Conc, Nonreinf, 8 inch (9 Mile Road - Composite)	387	SYD	60.00	23,220.00
17	MDOT HMA 13A, 2 inch (9 Mile Road - Composite)	43	TON	265.00	11,395.00
18	Driveway, MDOT HMA 13A, 4 inch	7	TON	265.00	1,855.00
19	Driveway, Nonreinf Conc, 6 inch	63	SYD	55.00	3,465.00
20	Sidewalk, Conc, 6 inch	126	SFT	11.00	1,386.00
21	Sidewalk Ramp, Conc, 6 inch	37	SFT	11.00	407.00
22	Detectable Warning Surface	8	FT	82.00	656.00
23	Polyethylene Encasement	208	FT	2.50	520.00
24	Temporary Water Supply System, 3/4 inch (215-340 ft)	1	LS	1,100.00	1,100.00
25	Water Main, Class 54, DI, 8 inch, Tr Det G	208	FT	219.00	45,552.00
26	Connection to Existing Water Main	3	EA	5,950.00	17,850.00
27	Gate Valve and Box, 8 inch	3	EA	4,900.00	14,700.00
28	Flowable Fill, 4 inch Water Main	202	FT	2.00	404.00
29	Cut & Cap 4 inch Water Main	3	EA	200.00	600.00
30	Temporary Water Service Connection	1	EA	500.00	500.00
31	Water Main Line Stop, 4 inch	3	EA	1,200.00	3,600.00
32	Water Service, Jumper Connect, 3/4 inch	1	EA	1,400.00	1,400.00
33	Curb Stop and Box, 3/4 inch	1	EA	650.00	650.00
34	Turf Establishment	1	STA	1,400.00	1,400.00
35	Pavement Markings	1	LS	1,700.00	1,700.00

Estimated Construction Cost

237,453.00

- LEGEND**
- TT TEMPORARY SIGN
 - WORK AREA, CLOSED
 - BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED
 - PEDESTRIAN TYPE II BARRICADE, TEMP



DETOUR PLAN

MAINTENANCE OF TRAFFIC NOTES

1. DURING CONSTRUCTION, 9 MILE ROAD WILL BE CLOSED AT GRAND RIVER AVENUE, AND FLORAL STREET WILL BE CLOSED AT 9 MILE ROAD. PLACE TEMPORARY CONSTRUCTION AND DETOUR SIGNING AS SHOWN ON THIS SHEET AND/OR AS APPROVED BY THE ENGINEER. TEMPORARY SIGNS SHALL BE PLACED AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. CLOSE THE EASTBOUND GRAND RIVER AVENUE LEFT TURN LANE AT THE INTERSECTION OF 9 MILE ROAD IN ACCORDANCE WITH MDOT MAINTAINING TRAFFIC TYPICAL M0330A. POST A R3-2 SIGN BEHIND THE BARRICADE. COVER THE LEFT TURN SIGNAL HEADS AND CASE SIGNS.
3. PLACE SS-A SIGN ON EASTBOUND GRAND RIVER AVENUE A MINIMUM DISTANCE OF 350' IN ADVANCE OF THE W20-1 "ROAD WORK AHEAD" SIGN INCLUDED IN THE TEMPORARY SIGN SEQUENCE SHOWN IN MDOT MAINTAINING TRAFFIC TYPICAL M0330A.
4. CLOSE THE NORTHBOUND RIGHT TURN LANE ON ORCHARD LAKE ROAD AT GRAND RIVER AVENUE. POST TEMPORARY "RIGHT LANE MUST TURN RIGHT" R3-7R SIGNS AS INDICATED ON THE DETOUR PLAN.
5. COVER THE EXISTING "LEFT ARROW 9 MILE ROAD / S ORCHARD LAKE RD RIGHT ARROW / NEXT SIGNAL" D3-2 (1.2) SIGN.
6. COVER THE EXISTING "LEFT ARROW ONLY / THRU ARROW ONLY / RIGHT ARROW ONLY" R8-3B SIGN.
7. ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, BARRICADES, CHANNELIZING DEVICES, AND WARNING LIGHTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. SIGNS, IF REQUIRED WITH THE TYPE III BARRICADES, SHALL BE MOUNTED ABOVE THE BARRICADES ON SEPARATE SUPPORTS.
9. TRAFFIC CONTROL DEVICES ARE TO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE PROJECT. DAILY PATROLS OF THE CONSTRUCTION AREA AND DETOUR ROUTE SHALL BE CONDUCTED BY THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY, BUT WILL BE INCLUDED IN THE BID ITEM FOR TRAFFIC CONTROL.
10. ALL SIGNS USED AT NIGHT SHALL BE RETRO-REFLECTIVE WITH A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE.
11. CONTRACTOR SHALL NOT OBSTRUCT SIDEWALK WITH TRAFFIC CONTROL DEVICES EXCEPT PEDESTRIAN BARRICADES, TYPE II.

TOTAL UNIT	DESCRIPTION
11 Ton	Maintenance Gravel
50 Ft	Pav Mrgk. Waterborne, 4 inch, White
200 Ft	Pav Mrgk. Waterborne, 4 inch, Yellow
1000 Dir	Witness, Log, \$1,000.00
20 Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Fum
20 Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper
6 Ea	Pedestrian Type II Barricade, Temp
60 Ea	Plastic Drum, Fluorescent, Fum
60 Ea	Plastic Drum, Fluorescent, Oper
4 Ea	Sign Cover
535 Sft	Sign, Type B, Temp, Prismatic, Fum
535 Sft	Sign, Type B, Temp, Prismatic, Oper
233 Sft	Sign, Type B, Temp, Prismatic, Spec, Fum
233 Sft	Sign, Type B, Temp, Prismatic, Spec, Oper
4 Ea	TS Face, Bag
4 Ea	TS Face, Bag, Rem

DETOUR PLAN SIGNING LEGEND*				
SIGN	SIGN CODE	SIZE	NUMBER REQUIRED (FOR INFO ONLY)	AREA (SQ. FT)
	G20-2	48"x24"	1*	8
	M4-8	30"x15"	4	12.5
	M4-8a	24"x18"	2	6
	M4-9L	30"x24"	3	15
	M4-9R	30"x24"	3	15
	M4-9S	30"x30"	5	31.25
	M5-1(L) (MOD)	30"x21"	2	8.75
	M5-1(R) (MOD)	30"x21"	2	8.75
	R3-1	36"x36"	1	9
	R3-2	36"x36"	2	18
	R3-7R	36"x36"	2	18
	R5-18c	48"x48"	1*	16
	R9-9	30"x18"	3	11.25
	R11-2	48"x30"	5	50
	R11-4	60"x30"	1	12.5
	W20-1	48"x48"	1*	16
	W20-2	48"x48"	5	80
	W20-3	48"x48"	5	80
	SS-A	30"x15"	17	53.125
	SS-B	48"x18"	5	30
	SS-C	66"x48"	5	110
	SS-D	66"x48"	1	22

* SIGN QUANTITY INFORMATION INCLUDED IN THIS CHART DOES NOT INCLUDE G20-2 "END ROAD WORK", R5-18C "WORK ZONE BEGINS", W20-1 "ROAD WORK AHEAD", W20-5A (MODIFIED) "CENTER LANE CLOSED AHEAD" SIGNS REQUIRED IN ACCORDANCE WITH MDOT MAINTAINING TRAFFIC TYPICAL M0330A. THESE SIGNS ARE INCLUDED IN THE TEMPORARY SIGN QUANTITIES SHOWN ON THIS SHEET.



OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

REVISIONS	NO.	DATE	DESCRIPTION

CITY OF FARMINGTON
9 MILE AND FLORAL WATER MAIN REPAIRS
MAINTENANCE OF TRAFFIC



Know what's below.
Call before you dig.

DRAWING PATH: P:\0101_01250111200650_9_mile_floral_wm_emerg_repDrawings\Civil\Designing\Mile and Floral - MOT.dwg Sep 28, 2020 - 10:34am

BOARD OF COUNTY ROAD COMMISSIONERS, OAKLAND COUNTY, MICHIGAN

PERMIT APPLICATION

MAKE CHECK PAYABLE TO ROAD COMMISSION FOR OAKLAND COUNTY

FOR R.C.O.C. USE ONLY	
Application No.	_____
Date Received	_____
Permit E No.	_____
Date of Issuance	_____

APPLICANT: City of Farmington hereby makes APPLICATION for a permit to **CONSTRUCT, OPERATE, USE and/or MAINTAIN** or to **TEMPORARILY CLOSE A COUNTY ROAD** within the part of the right-of-way of road(s) 9 Mile Road north of Grand River under the jurisdiction of the Board: a detailed description of the desired facility and/or activity is required in the space provided below: (include size, length, type of facility; - if underground, indicate depth below surface; if parallel to road, indicate distance from inside edge of facility to edge of pavement, if crossing under roadbed, describe method). **THE FOLLOWING MUST BE ATTACHED TO THE APPLICATION WHEN APPLICABLE** 1. Plans, specifications and location of facility. 2. Traffic plan and detour route in cases of street closures.

PLEASE CHECK THE APPROPRIATE BOX(ES) THAT APPLY TO THE TYPE OF WORK YOU WISH TO OBTAIN A PERMIT FOR:

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> Annual | <input type="checkbox"/> Community Event | <input type="checkbox"/> Public Utility (i.e. electric, gas, telephone) | <input type="checkbox"/> Soil Boring/Monitoring Well |
| <input type="checkbox"/> Approach/Private Road Access | <input type="checkbox"/> Landscaping/Grading | <input type="checkbox"/> Sanitary/Storm Sewer | <input checked="" type="checkbox"/> Watermain |
| <input type="checkbox"/> Cable TV | <input type="checkbox"/> Pathway/Sidewalk | <input type="checkbox"/> Sign/Subdivision Entrance Marker | <input type="checkbox"/> Other _____ |

Emergency water main repair in RCOC's right-of-way. 2 water main breaks in the last month and showing signs of another one that will happen soon. Planning to replace existing 4-inch water main with 8 inch water main in RCOC's ROW to prevent future breaks and impacts to traffic in this area.

City or Township City of Farmington Section No. _____

The above activities will be carried out in accordance with plans, specifications, maps and statements filed with the R.C.O.C. as part of this application, and if said application is approved, the above named applicant agrees to abide by the **CONDITIONS** contained on the reverse side. Since a permit will have to be secured from the Board prior to the start of any construction or maintenance operations proposed by this application, it is intended that the **SUPPLEMENTAL SPECIFICATIONS**, on the reverse side, are to be incorporated as part of the plans or specifications required for this proposed work.

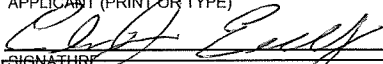
FOR R.C.O.C. USE ONLY	
Design: _____	Right-of-Way: _____
Traffic: _____	Maintenance: _____
Planning: _____	Construction: _____
Subdivision: _____	
Environmental Concerns: _____	Permits: _____

FOR R.C.O.C. USE ONLY	
Application Fee: \$ _____	Permit Fee: \$ _____
Receipt No: _____	Deposit: \$ _____
Bond: \$ _____	Estimated Inspection Fee: \$ _____
(RCOC Form 75)	Paint Fee: \$ _____
	Sign Fee: \$ _____
	Signal Fee: \$ _____
TOTAL FEES DUE	
AT TIME OF PERMIT ISSUANCE: \$ _____	
Proof of Insurance Required	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pollution Liability Required	Yes <input type="checkbox"/> No <input type="checkbox"/>

This application is approved subject to **CONDITIONS** and **SUPPLEMENTAL SPECIFICATIONS** contained on the reverse side of this application. Approval of this application does not relieve applicant from meeting any applicable requirements or duties of law or other public bodies or agencies including but not limited to the Michigan Department of Natural Resources.

APPROVAL OF THIS APPLICATION EXPIRES IN ONE YEAR IF A PERMIT HAS NOT BEEN ISSUED. RESUBMITTAL OF CURRENT PLANS, PERMIT APPLICATION REVIEW FEES AND PERMIT APPLICATION IS REQUIRED IF APPROVAL OF THIS APPLICATION HAS EXPIRED.

REFER ALL INQUIRIES TO (248) 858-4835
DEPARTMENT OF CUSTOMER SERVICES / PERMITS
2420 PONTIAC LAKE ROAD
WATERFORD, MI 48328

Charles J. Eudy
APPLICANT (PRINT OR TYPE)
 9/29/20
SIGNATURE DATE
Charles J. Eudy, Public Works Superintendent
(PRINTED/TYPED SIGNATURE & TITLE)
23600 Liberty Street
APPLICANT'S ADDRESS TELEPHONE NUMBER
Farmington MI 48335
CITY STATE ZIP CODE

APPLICATION APPROVED:
 By: _____ Date: _____

Fax or Email Address _____
ceudy@farmgov.com

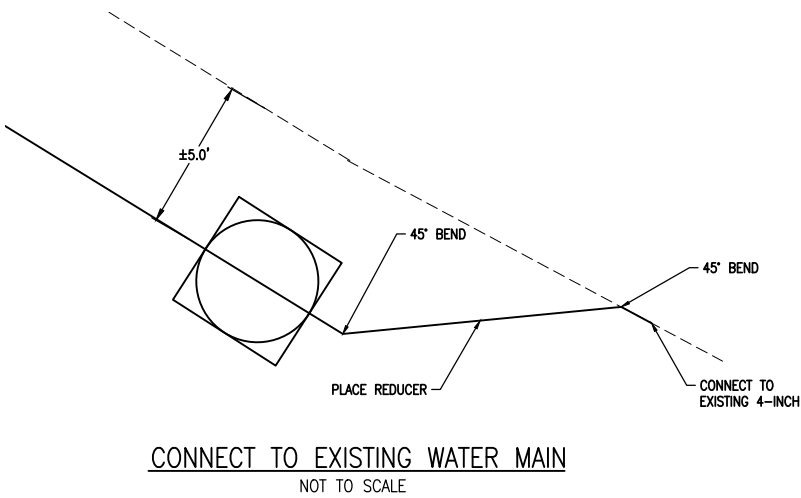
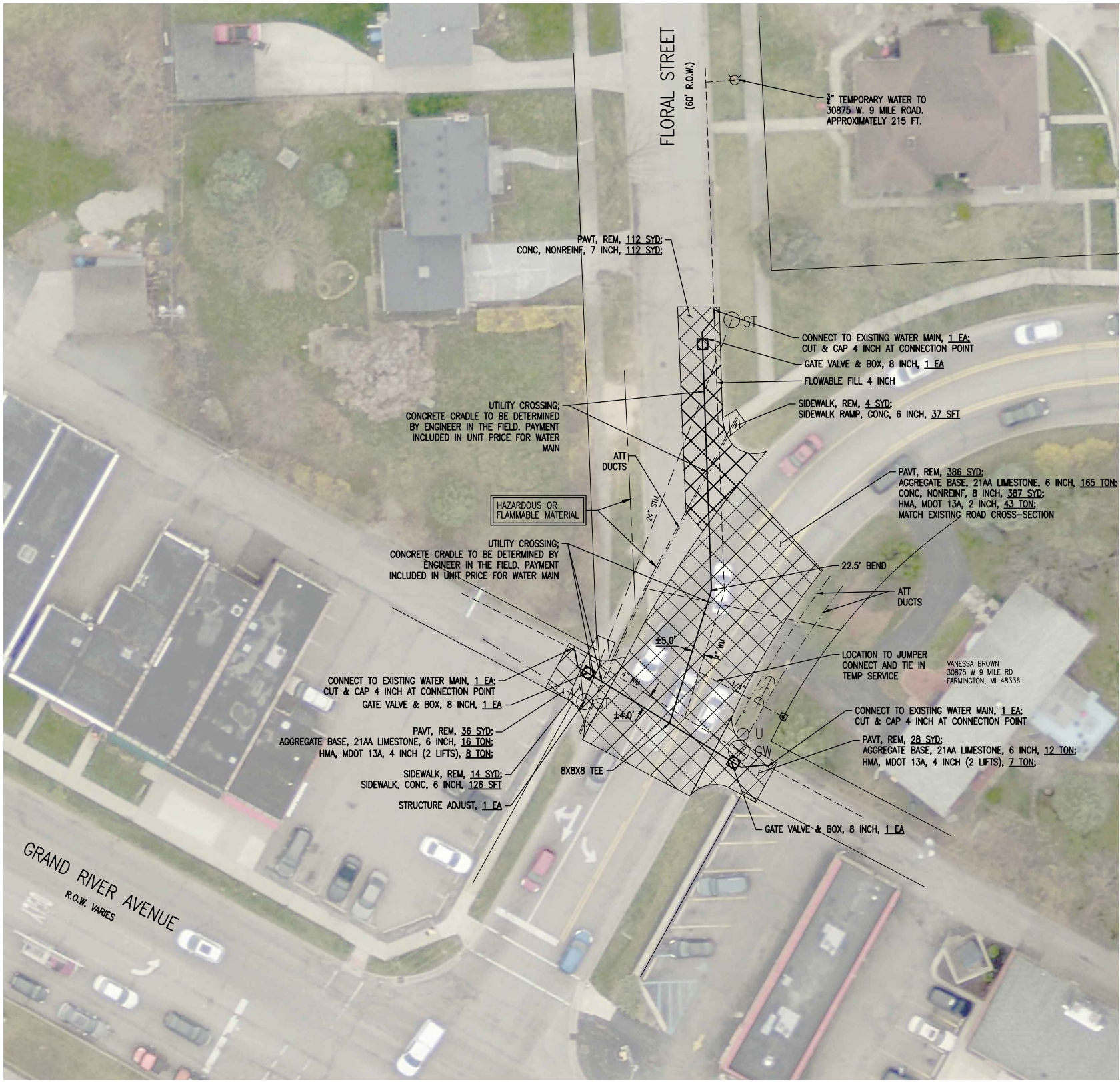
AS A CONDITION OF THE APPROVAL OF THIS APPLICATION, THE APPLICANT AGREES TO THE FOLLOWING CONDITIONS:

1. The application agrees to secure, or cause to be secured, a permit from the Board prior to the commencement of construction or maintenance operations. If a contractor is to perform the construction or maintenance entailed in this application, the contractor shall secure the permit from the Board prior to the commencement of construction or maintenance operations and thereby assumes responsibility, along with the applicant, for any provisions of this application which apply to them.
2. Any and all construction proposed under this application will meet all requirements of the Board, together with the Supplemental Specifications as set forth below.
3. The applicant agrees to save harmless, indemnify, defend, and represent the Board and its employees against any and all claims for bodily injury or property damage, or any other claim arising out of or related to the creation, operation, use, or continuing existence of the structure or facility covered by the permit or for any other work done within county road right-of-way whether or not specifically authorized or in conformance with the description of activities for which the permit was issued. Applicant agrees and understands that the obligations set forth herein are binding upon their successors, transferors, assigns, sureties, and guarantors. The Applicant shall maintain insurance of a type and in an amount in conformance with the Board's established requirements and provide certificates of insurance in a type and amount which shall assure conformance with the Board's established requirements is currently in force for any and all facilities installed in the Board's right of way.
4. The applicant agrees to surrender the permit herein applied for; surrender all rights hereunder; cease operations; and remove, alter, relocate at applicant's own expense, the facilities for which this permit is granted whenever ordered to do so by the Board because of the need for the area covered by this permit for public uses or because of a default in the conditions of the permit. Upon failure to remove, alter, relocate or surrender the facilities pursuant to the order of the Board, the applicant agrees to reimburse the Board for its cost in doing same.
5. Nothing in this application shall be construed to grant any rights whatsoever to any public utilities whatsoever except as to the consent herein specifically given, nor to otherwise impair any existing rights granted in accordance with the constitution or laws of this State.
6. The obligation to construct, operate, use and/or maintain the facility to the satisfaction of the Board remains in force as long as the facility exists and is within the right-of-way under the jurisdiction of the Board. The applicant is obliged to repair any damage to the road and right of way which is a result of the facility and which occurs or appears after the permit licensee is released.
7. The necessary construction zone signing for the protection of traffic shall be in accordance with the most current edition of the Michigan Manual of Uniform Traffic Control Devices, Part 6. All such devices shall be furnished, installed and maintained by the Permit Holder. All construction signage shall have black lettering on a reflective florescent orange background, unless otherwise specified. The Permit Holder shall provide any additional signs, barricades and/or lights, at the Permit Holder's expense, required to protect the general motoring public and the work zone when requested by the Road Commission.
8. **ADDITIONAL CONDITIONS:** As will be identified in approved permit description.

SUPPLEMENTAL SPECIFICATIONS

1. **EXCAVATION AND DISPOSAL OF EXCAVATED MATERIAL:** The contractor and/or the utility company shall provide and place the necessary sheeting, shoring and bracing required to prevent caving, loss or settlement of foundation material supporting the pavement, or any other highway installation such as sewers, culverts, etc. The contractor and/or utility company shall assume the full responsibility for this protection. Excavated material shall be stocked in such locations that it does not obstruct vision on the traveled portion of the highway and in such a manner that it will not interfere with the flow of traffic. Sod and topsoil shall be stocked separately from other excavated material. The applicant shall dispose of all surplus and unsuitable material outside of the limits of the right-of-way unless the permit provides for, and with approval of abutting property owners, disposal at approved locations with the right-of-way. In the latter case, the material shall be leveled and trimmed in a manner approved by the Road Commission for Oakland County.
2. **BACKFILLING AND COMPACTING BACKFILL:** All trenches, holes, pits, and other excavations shall be filled with approved excavated earth or with MDOT Class II granular material if so provided, placed in successive layers not more than 9 inches in depth, loose measure, and each layer shall be thoroughly compacted by tamping and all backfill compaction will be subject to check by the Controlled Density Method (minimum 95%). Restoration shall be such that it will provide a condition equal to or better than the original condition and in accordance with current Road Commission for Oakland County standards. Any excavation within the right of way outside traveled portion of road must be maintained until all settlement has occurred and must be restored and seeded or sodded as directed. The permit will not be released until the Road Commission is satisfied that no further settlement will occur.
3. **CROSSING ROADBED BY TUNNELING, DIRECTIONAL BORE, JACK CASING AND BORE:** When the pipe is installed by tunneling without cutting the existing pavement, the tunnel shall be adequately sheeted or shored to prevent the sides and top from collapsing or the pavement from settling or cracking. Directional bore shall be at least 4 diameters under the pavement or 48 inches, whichever is greater. When the pipe is installed by boring and jacking, the leading edge of the pipe must always precede the auger. The tunnel backfill shall be made by tamping a dry mix of lean concrete into place so as to completely fill any voids remaining around the installation. The concrete shall be composed of one part of Portland cement and 10 parts of sand-gravel by volume. Tunnel and boring pits shall be at least 10 feet from the edge of the pavement unless otherwise approved.
4. **CROSSING BY CUTTING GRAVEL ROADS:** All trenches are to be backfilled with approved material to within 12 inches of surface within the limits of the roadbed. Backfill methods will be as described in paragraph 2 above. All surplus excavated material will be disposed of as described in paragraph 1. The top 12 inches within the roadbed will be backfilled with processed road gravel (MDOT 22A or 23A). Trenches outside of the roadbed will be backfilled in accordance with paragraph 2 above.
5. **CROSSING BY CUTTING PAVEMENT AND TRENCHING:** When this method is approved by the Road Commission, the pavement shall be cut so that the opening is a minimum of 5 feet wide and at least 1 foot wider on each side than the trench. In no case shall an open cut result in a remaining slab width of less than 5 feet from patch to an existing joint. The cut shall be made by sawing to a full pavement depth. Cuts in concrete residential and commercial drives shall be as above except that the patch width shall be a minimum of 3 feet and the remaining slab from patch to existing joint a minimum of 3 feet. Backfill shall be made with MDOT Class II granular material. After the backfill has been placed by control density method and thoroughly compacted, the pavement shall be replaced with a temporary surface of approved hot-mixed bituminous material and later replaced with new pavement of the original type and quality by the Permit Licensee unless other provisions are included in the permit.
6. **DEPTH OF COVER MATERIAL:** Pipes shall be placed to a depth that will provide not less than 4 feet of cover between the top of roadway surface and top of the pipe.
7. **TREE TRIMMING OR REMOVAL:** All trees that may be affected by the proposed construction shall be shown on the plans. The plan must clearly indicate which trees are proposed to be removed, trimmed and/or tunneled. This work, if approved, must be done in accordance with current Board standards, including advance notification of abutting property owners. Wood Disposal License Agreement(s) will be required for any tree work
8. **DISPOSAL OF GROUND WATER:** Roadside drainage systems – open ditches, storm sewers, etc. – shall not be used for the disposal of water pumped from below the surface of the ground unless specifically allowed by the Road Commission. Details such as volume and frequency of discharge, erosion control, duration of use, NPDES permit and other pertinent information as may be required must be submitted with the application for such permission.
9. Any proposed operation in the right of way not covered by the above specifications, submitted with this application, shall be done in accordance with any additional specifications deemed necessary by the Board or as outlined in the Permit Rules, Specifications and Guidelines.

9 MILE ROAD (60' R.O.W.)



NOTES:
THE CONTRACTOR MAY ELECT TO INSTALL THE PROPOSED 8-INCH WATER MAIN IN THE SAME LOCATION OF THE 4-INCH WATER MAIN, AND REMOVE THE EXISTING PIPE INSTEAD OF CUT & CAPS AND USING FLOWABLE FILL. ADDITIONAL BENDS AS CALLED OUT WILL NOT BE NEEDED.



Know what's below.
Call before you dig.

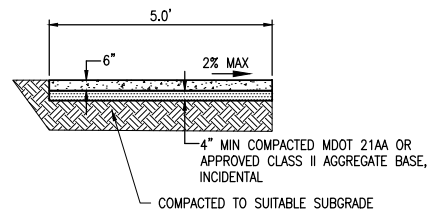
REVISIONS	NO.	DATE	DESCRIPTION

DATE	PROJ NUMBER	ENG	PROJ LEAD	CADD	COUNTY	CITY/TOWNSHIP	SCALE	VERT DATUM	VERT DATUM VALUE
12/20/20	011-25-005	JUH	BJP	JUH	GRAND	FARMINGTON	1"=10'		

CITY OF FARMINGTON
9 MILE AND FLORAL WATER MAIN REPAIRS
CONSTRUCTION PLAN

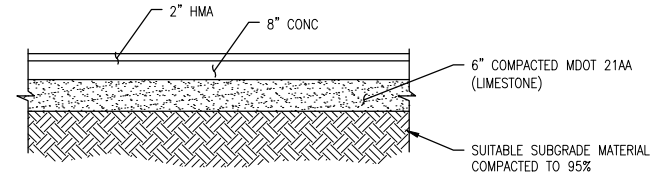
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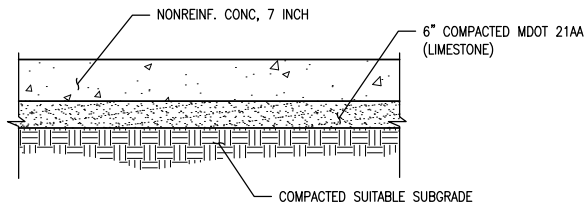
- NOTES:
1. CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND ADA RAMPS.
 2. PLACE 1/4" CONTRACTION JOINTS AT 5' INTERVALS.
 3. PLACE 1/2" EXPANSION JOINTS AT 50' INTERVALS (MAX).

TYPICAL CONCRETE SIDEWALK CROSS SECTION
NTS

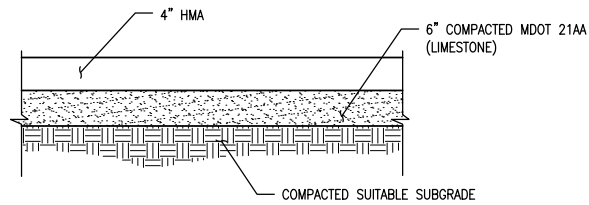


TYPICAL 9 MILE PAVEMENT SECTION
NTS

- NOTES:
- CONTRACTOR SHALL MATCH EXISTING PAVEMENT CROSS SECTION SHOULD FIELD CONDITIONS DIFFER FROM PLANS.



TYPICAL FLORAL STREET CROSS SECTION
NTS



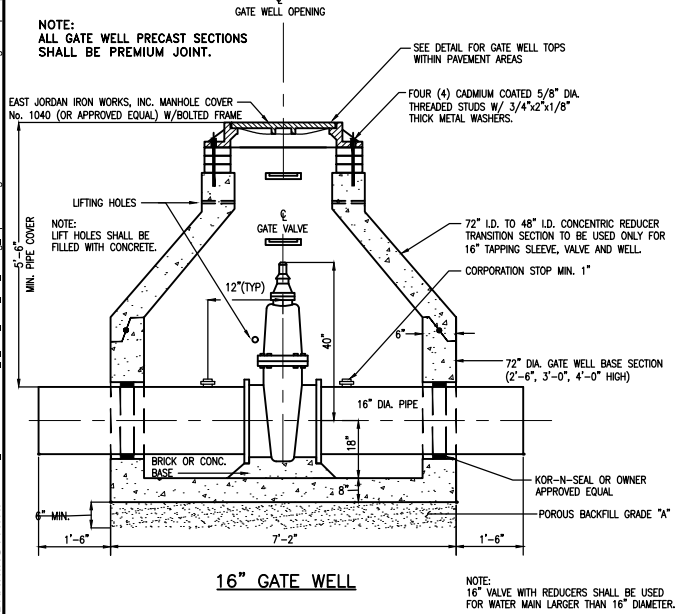
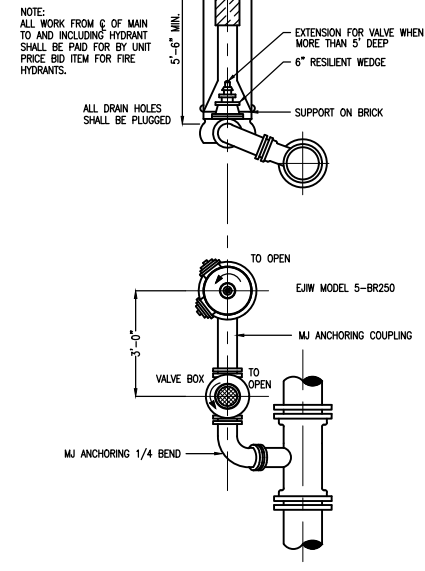
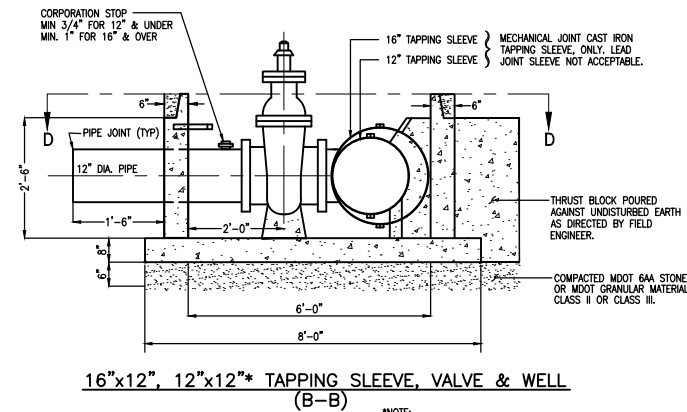
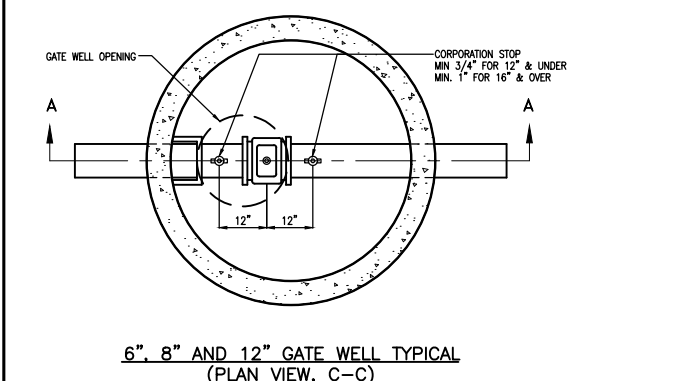
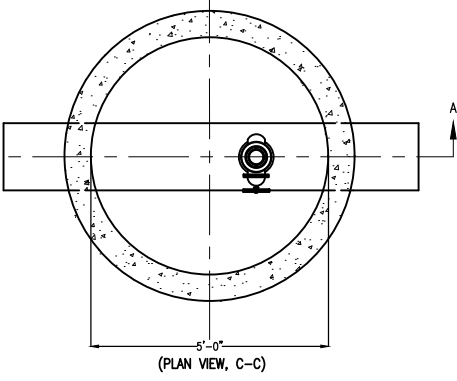
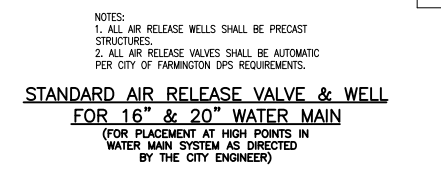
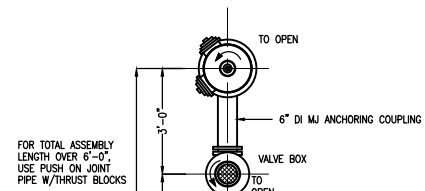
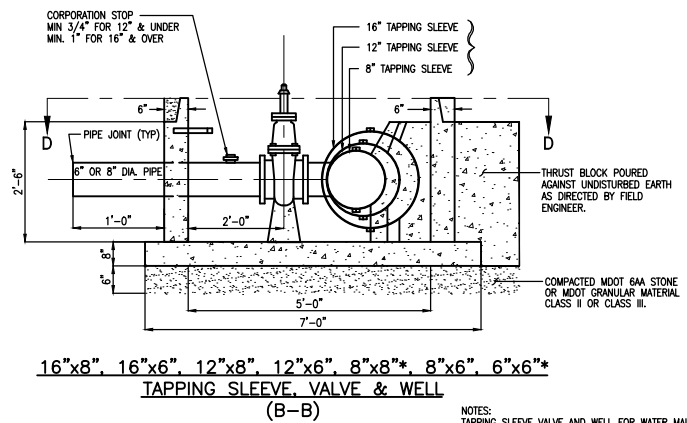
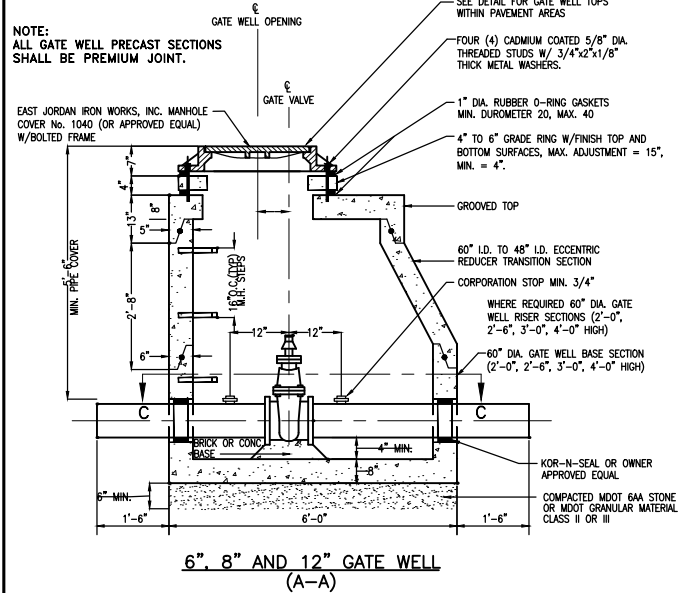
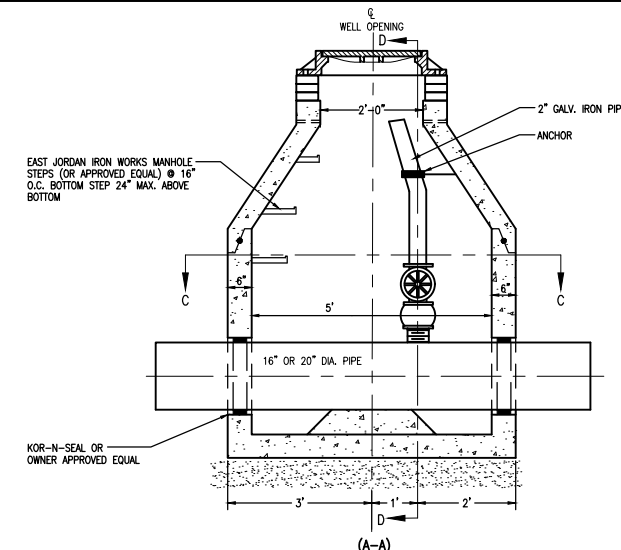
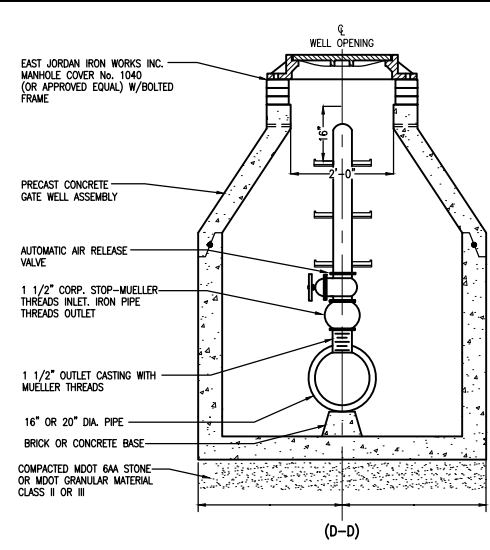
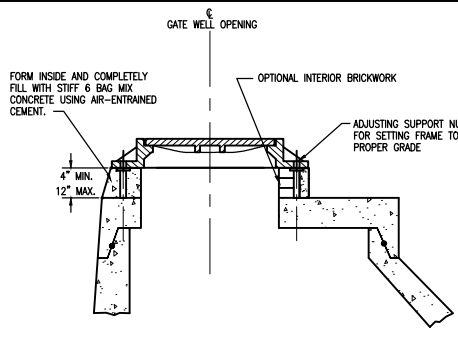
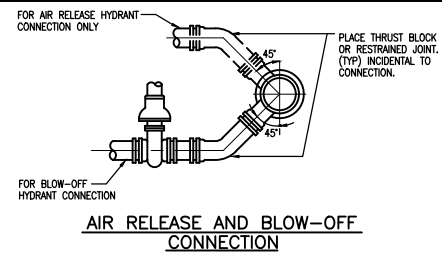
TYPICAL ALLEY (DRIVE APPROACH) CROSS SECTION
NTS

REVISIONS	DATE	BY	DESCRIPTION

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
2/25/20	011-16-001	JLH	ESP	JLH	ORAND	FARMINGTON	H - NTS V - NTS		

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WATER MAIN NOTES

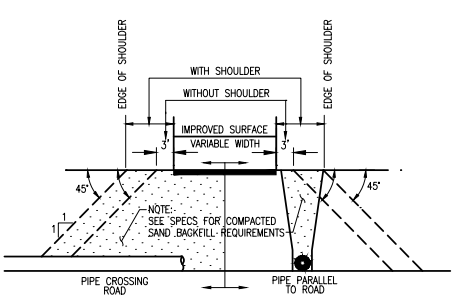
- All construction procedures and materials used on all water main projects shall conform to Detroit Water and Sewerage Department and The City of Farmington current Standards and Specifications.
- All hydrants shall be E.J.I.W. #5BR-250 (Item No. 54947D) WaterMaster and shall conform to AWWA specification C502 as amended and shall have a minimum 5 1/4" valve opening which closes with the water pressure. Hydrants shall meet all test requirements and be listed by Underwriters Laboratories, Inc. and meet the requirements of Factory Mutual. They must also be in accordance with the East Jordan Iron Works 5BR-250 Fire Hydrant Specifications-Farmington. Hydrants shall be traffic style with breakable flange and coupling. Hydrants shall have a swivel flange to allow bonnet to be turned 360 degrees without removing the bonnet, and barrel flanges shall be integrally cast with the barrel. Inlet shoe shall have a bronze valve seat, which can be removed without digging. Inlet connection shall be 6" mechanical joint, ASA-A21-11. Stem threads shall be sealed with double "O" rings and shall be permanently lubricated with all weather grease. Hose connections: Two (2) 2 1/2" hose nozzles, and One (1) 5" pumper nozzle, with National Standard threads. Operating Nut: (1) 1 1/8" P-F pentagon, open left. All hydrants shall have a Carroll drain. Hydrants shall be painted red above the ground and black below, with a finish coat of Glomartex 501 enamel or approved equal. Nozzle caps shall be painted red.
- All water mains shall be ductile iron, as per the following specification Ductile iron pipe shall be ANSI 1-A21.51 (AWWA-C151) standard wall thickness, cement lined with bituminous seal coat Class 54 for sizes 6" through 20" and Class 55 for 24" pipe.
- Gate Valves shall be iron body, fully bronze mounted, E.J.I.W. resilient wedge, non-rising stem, opening counter clockwise conforming to City of Detroit Water and Sewerage Department specifications. All gate valves with operating nuts at a distance greater than 5' below ground surface shall be provided with an extension stem. The length of the extension stem is such that it will be within 5' of ground surface when an extension stem is used. It shall be held in place by two extension stem guide assemblies. Each assembly shall be comprised of a "J" bracket and "L" bracket supplied by E.J.I.W. The stem guides shall be located opposite from each other, and shall be suitably fastened to the wall of the gate well. In addition, a "stop" shall be welded to the extension stem in a location that will prevent the extension stem from slipping off the operating nut. Details of extension stem and method of installation shall be approved by the engineer prior to installation. All precast concrete gate well sections shall be manufactured to conform with ASTM C478, standard specifications for precast reinforced concrete manhole sections, except wall thickness, shall be shown on these details. All joints for precast concrete gate well sections shall be "modified grooved tongue" with gasket manufactured to conform with ASTM C443, standard specification for joints for circular concrete sewer and culvert pipe rubber gaskets. All gate well covers shall be E.J.I.W. #1040 with bolted and have words "Water Dept." in raised letters on the frame cover, or approved equal.
- Tapping sleeve shall be mechanical joint with DWS Mechanical Joint Tapping Gate Valve. Lead joint sleeves shall not be used.
- Water mains shall be laid at least 10 feet horizontally from any existing or proposed gravity sewer, septic tank, or subsol treatment system. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot separation, the reviewing authority may allow deviation on a case-by-case basis, if supported by data from the design engineer.
- No installation of water main shall be attempted without City's inspector being present. Unless otherwise specified on plans, top of all water mains shall be 5.5 ft. below existing or proposed road centerline, or 5.5 ft. below existing or proposed ground, whichever results in lower elevation. An 18" minimum vertical clearance between storm or sanitary sewer shall be maintained. This shall be the case where the water main is either above or below the sewer with preference to the water main located above the sewer.
- Installed pipe shall be pressure tested and leak tested in accordance with AWWA standards. New, cleaned and repaired water mains shall be disinfected in accordance with AWWA standard C651. The specifications shall include detailed procedures for adequate flushing, disinfection, and microbiological testing of all water mains.
- The design engineer shall furnish the City of Farmington with mylar "As-Built" water main plans along with a computer disk using the most recent release of AutoCad, upon job completion. Plans shall locate all water mains, hydrants and gate valves and wells.
- All required cross connection devices shall be installed as required by the local plumbing inspector and in accordance with the standards of the Michigan Department of Public Health.
- Three (3) working days before you dig, dial MISS DIG at 1-800-482-7171.
- Where work is to be performed in the vicinity of a City of Detroit water main, the contractor shall notify the Detroit Metropolitan Water Services Inspection Department, (Bill Gowins) at (313) 833-8649 (7:30-9:30 AM, 3:30-4:30 PM), 3 working days prior to start of construction and request an inspection of the job.
- All pipe and all pipe fittings shall be made in the U.S.A.
- All bolts on all flanged and mechanical joint fittings shall be domestic origin high strength, low alloy COR-BLUE steel bolts or approved equal. These bolts shall meet the current provisions of American National Standard ANSI/AWWA C111/A21.11-90 for rubber gasket joints for ductile iron pressure pipes and fittings. Bolt manufacturer's certificate of compliance must accompany each shipment.
- All bolts used in securing fittings to the water main shall be "COR-BLUE" bolts or approved equal.
- BACKFILL NOTE: Under road surfaces, pavement, sidewalk, curb, driveways and where the edge of the trench is within 3 (three) feet of the pavement or as called for on the plans, the trench depth shall be 4 (four) inches lower than the proposed water main elevation. The trench width shall be the outside diameter plus 16 (sixteen) inches for pipe diameters up to 36 (thirty-six) inches and larger. The trench shall be backfilled by placing granular material by the "controlled Density Method" or other means having approval of the engineer and compacting it to 95 (ninety-five) percent of its maximum unit weight.
- Tracing wire shall be provided for all water main. Wire shall be copper, 12 gage stranded, insulated per city requirements. Connection is required at all service leads, hydrants, and gate well, with exposed wire above the ground surface. Conductivity shall be tested by the City prior to the acceptance of the main. All splices shall be made using a gel-cap product which provides a waterproof seal, such as 3M's Direct Bury Splice kit #P054007/09964 or approved equal.
- Polywrap shall be placed as required by the City.
- Like size to like size tapping sleeves shall not be used with transit pipe.
- Where water main is located under pavement, the City shall not be responsible for repairing pavement within the easement in the event that maintenance or repairs to the water main become necessary.

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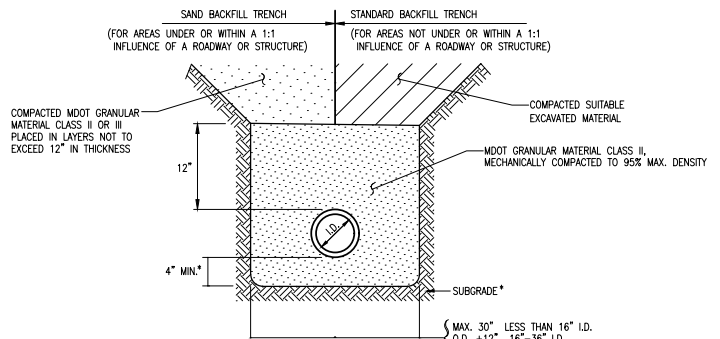
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2/25/20	071150000	JUH	BJSP	JUH	GRAND								
SHEET													

CITY OF FARMINGTON
9 MILE AND FLORAL WATER MAIN REPAIRS
WATER MAIN STANDARD DETAILS

4
OF 5

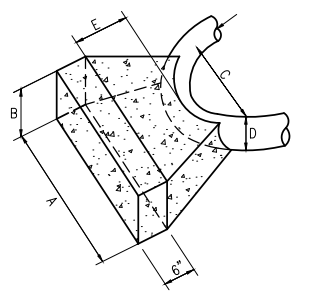


BACKFILL IN THE AREA OF STREETS, ALLEYS, SIDEWALKS, DRIVES & PARKING LOTS



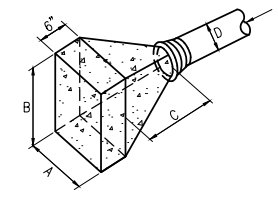
STANDARD BEDDING AND TRENCH BACKFILL DETAIL FOR WATER MAIN

* NOTE: IF THE EXISTING SUBGRADE SOILS MEET THE REQUIREMENTS FOR MDOT GRANULAR MATERIAL CLASS II (MINIMUM 4" THICK), THEN THE WATER MAIN MAY BE LAID DIRECTLY ON THE COMPACTED NATIVE SUBGRADE SOILS.



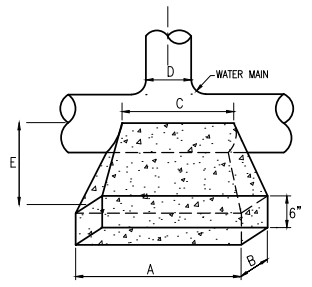
D	A	B	C	E MIN.
20"	8"	6.5"	3.5"	2.5"
16"	6"	4"	2.5"	2"
12"	4"	3"	2"	1.75"
10"	3"	3"	2"	1.75"
8"	3"	2"	2"	1.5"
6"	2"	1.5"	2"	1.25"

NOTE: 3000 PSI CONCRETE TO BE USED. THRUST BLOCK TO ABUT & REST AGAINST UNDISTURBED SOIL.



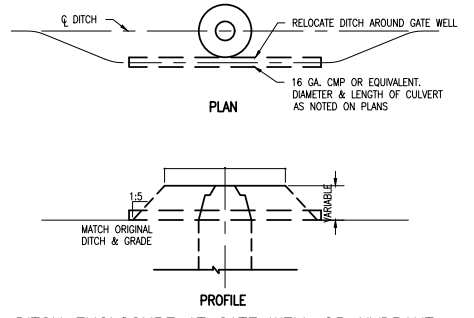
D	A	B	C	E MIN.
20"	7"	5"	2.5"	3"
16"	4"-10"	4"-10"	2"	2"
12"	4"-4"	3"	1"-9"	2"
10"	3"	2"	1"-6"	2"
8"	2"-10"	2"-6"	1"-6"	2"
6"	1"-6"	1"-6"	3"	2"

D	A	B	C	E MIN.
20"	6.5"	4.5"	3.5"	3"
16"	4"-8"	4"-8"	2.5"	2.75"
12"	4"	3"	2.5"	2.5"
10"	3"	2"	2"	2.25"
8"	2"-6"	2"	2"	2.25"
6"	2"	2"	2"	2.25"

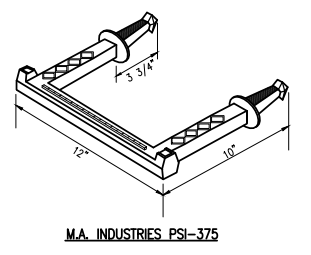


THRUST BLOCK DETAILS

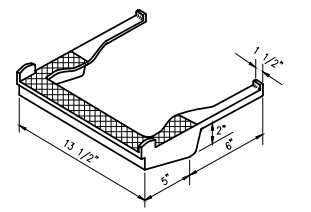
NOTE: ADDITIONAL CONCRETE TO BE PLACED PER ENGINEER'S DIRECTION FOR HYDRANTS REQUIRING THRUST BLOCKS. THE THRUST BLOCKS ARE INCIDENTAL TO HYDRANT INSTALLATION.



DITCH ENCLOSURE AT GATE WELL OR HYDRANT

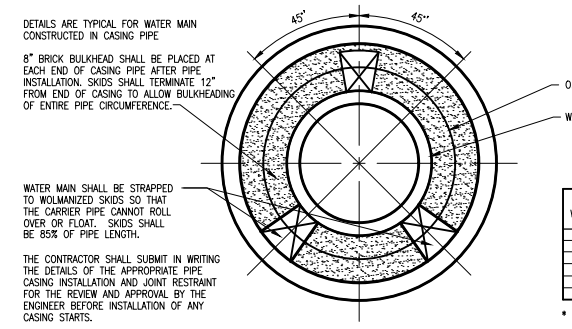


M.A. INDUSTRIES PSI-375



E.J.I.W. 8502

STANDARD MANHOLE STEP



PIPE BARREL SUPPORT FOR WATER MAIN CONSTRUCTED IN CASING PIPE

DETAILS ARE TYPICAL FOR WATER MAIN CONSTRUCTED IN CASING PIPE. 8" BRICK BULKHEAD SHALL BE PLACED AT EACH END OF CASING PIPE AFTER PIPE INSTALLATION. SKIDS SHALL TERMINATE 12" FROM END OF CASING TO ALLOW BULKHEADING OF ENTIRE PIPE CIRCUMFERENCE.

WATER MAIN SHALL BE STRAPPED TO WOLMANIZED SKIDS SO THAT THE CARRIER PIPE CANNOT ROLL OVER OR FLOAT. SKIDS SHALL BE 85% OF PIPE LENGTH.

THE CONTRACTOR SHALL SUBMIT IN WRITING THE DETAILS OF THE APPROPRIATE PIPE CASING INSTALLATION AND JOINT RESTRAINT FOR THE REVIEW AND APPROVAL BY THE ENGINEER BEFORE INSTALLATION OF ANY CASING STARTS.

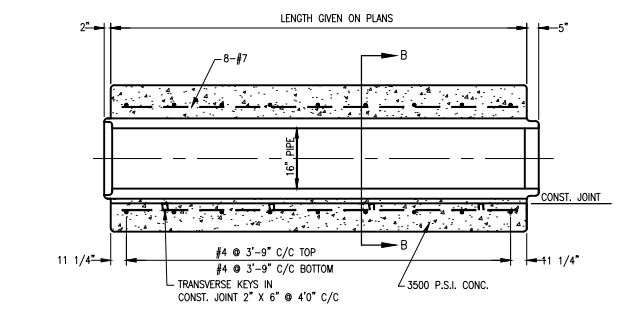
DIA. OF WATER MAIN	MIN. (L.D.)	ROAD CROSSING		RAILROAD* CROSSING	
		A	B	A	B
6"	16"	312	312	312	312
8"	18"	375	375	375	375
12"	20"	375	438	375	438
16"	24"	375	500	375	500
20"	30"	375	500	375	500
24"	36"	375	500	375	500

* RAILROAD ROW PERMIT REQUIREMENTS MAY CALL FOR A THICKER WALL SECTION.

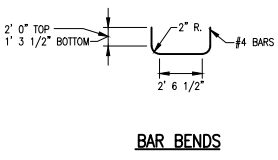
A=INSIDE DIAMETER
B=WALL THICKNESS

CASING SHALL BE SPIRAL WELDED STEEL PIPE A.S.T.M. A-252, OR 2.

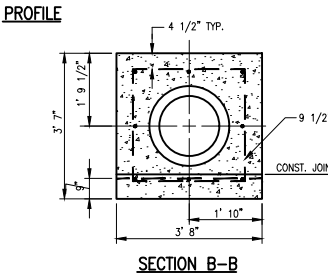
PLACE WOLMANIZED SKID ALONG THE TOP OF THE CARRIER PIPE IN ORDER TO PREVENT THE CARRIER PIPE FROM ROLLING OVER OR FLOATING. IF THE CONTROLLING AGENCY PERMIT REQUIREMENTS INDICATE THAT SAND OR GROUT MUST BE PLACED BETWEEN THE CASING PIPE AND CARRIER PIPE, THEN THE SAND OR GROUT SHALL BE PLACED IN ACCORDANCE WITH THE PERMIT SPECIFICATIONS. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RESTRAINED JOINTS SHALL BE REQUIRED FOR WATER MAIN JOINTS THAT ARE LOCATED INSIDE THE CASING PIPE IN THE EVENT THAT NO GROUT OR SAND IS PLACED BETWEEN THE CASING PIPE AND CARRIER PIPE.



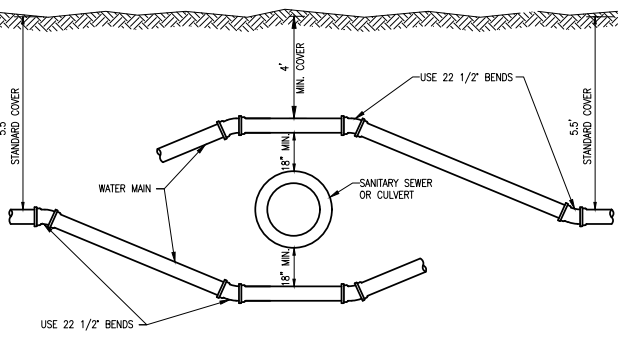
16" WATER MAIN ENCASEMENT UNDER DRAINS & DITCHES



BAR BENDS

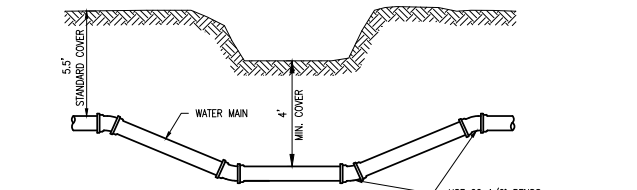


SECTION B-B

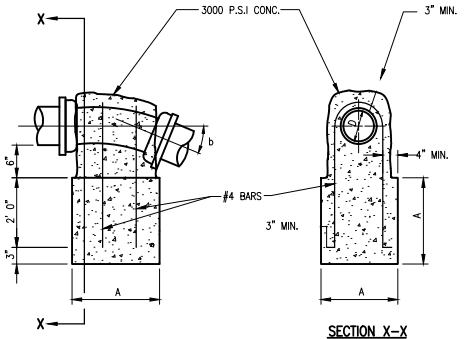


SEWER OR CULVERT CROSSING

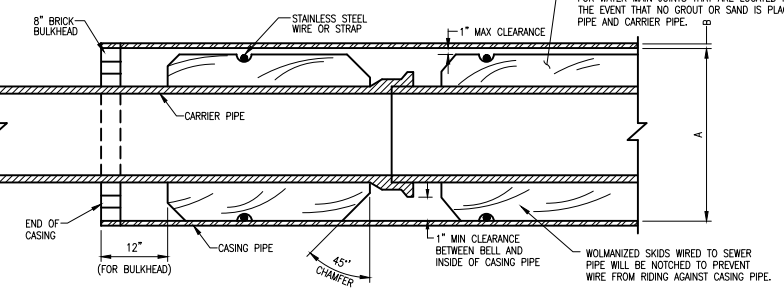
NOTE:
1. BENDS CAN BE ELIMINATED FOR MINOR VERTICAL DEFLECTIONS IN DUCTILE IRON PIPE (1 DEGREE OR LESS). IN THIS CASE, THE PIPE MAY BE DEFLECTED UP TO 4" PER JOINT.
2. PLACE AND COMPACT GRANULAR MATERIAL CLASS II BETWEEN PIPES IN THE VICINITY OF THE CROSSING.
3. PROVIDE JOINT RESTRAINT BY MEANS OF THRUST BLOCKS AND VERTICAL ANCHORAGES OR OTHER METHOD THAT IS APPROVED BY THE ENGINEER.



DITCH OR STREAM CROSSING



VERTICAL ANCHORAGE DETAIL



STANDARD CASING SECTION

DATE	PROJ. NUMBER	ENG.	PROJ. MGR.	CADD.	COUNTY	SCALE	H.	VTS	VERT. DATUM	VERT. DATUM VALUE
2/25/20	011-25003	JUH	BJSP	JUH	ORANGE	1" = 10'			1040 C	1040 C

CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP	CITY/TOWNSHIP
FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON	FARMINGTON

DRAWING PATH: P:\0101_0125011\200850_9_mile_floral_wm_emerz_rep\Drawings\Civil\Details\F-WM02.dwg Sep 28, 2020 - 10:34am

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ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150

Floral St. & 9 Mile Emergency Water Main Replacement BID FORM

Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Floral Street & 9 Mile Emergency Water Main Replacement
Approximately 220' of 4-inch removed and replaced with 8-inch DI water main

DATE: Sep 21, 2020
PROJECT NO. 0111-20-0051
ESTIMATOR: JLH
CHECKED BY: MDP
CURRENT ENR: JLH

WORK:

ITEM	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization, Max. 5%	1	LS	\$13,500.00	\$13,500.00
2	Traffic Maintenance & Control	1	LS	\$20,000.00	\$20,000.00
3	Erosion Control, Inlet Protection, Fabric Drop	2	EA	\$200.00	\$400.00
4	Pavt, Rem	560	SYD	\$25.00	\$14,000.00
5	Sidewalk, Rem	18	SYD	\$15.00	\$270.00
6	Gate Well, Rem	1	EA	\$1,500.00	\$1,500.00
7	Subgrade Undercutting, Type II (Modified)	30	CYD	\$40.00	\$1,200.00
8	Subgrade Undercutting, Type II (Special)	30	CYD	\$40.00	\$1,200.00
9	Trench Undercut and Backfill	30	CYD	\$55.00	\$1,650.00
10	Structure Adjust	1	EA	\$1,000.00	\$1,000.00
11	Aggregate Base, 21AA Limestone, 8 inch	220	TON	\$40.00	\$8,800.00
12	Aggregate Base, 21AA Limestone, Drive Approach, 6 inch	28	TON	\$38.00	\$1,064.00
13	Maintenance Aggregate, 21AA	10	TON	\$75.00	\$750.00
14	Station Grading	2.4	STA	\$5,000.00	\$12,000.00
15	Conc, Nonreinf, 7 inch (Floral Street)	112	SYD	\$90.00	\$10,080.00
16	Conc, Nonreinf, 8 inch (9 Mile Road - Composite)	387	SYD	\$95.00	\$36,765.00
17	MDOT HMA 13A, 2 inch (9 Mile Road - Composite)	43	TON	\$285.00	\$12,255.00
18	Driveway, MDOT HMA 13A, 4 inch	7	TON	\$285.00	\$1,995.00
19	Driveway, Nonreinf Conc, 6 inch	63	SYD	\$75.00	\$4,725.00
20	Sidewalk, Conc, 6 inch	126	SFT	\$8.50	\$1,071.00
21	Sidewalk Ramp, Conc, 6 inch	37	SFT	\$15.00	\$555.00
22	Detectable Warning Surface	8	FT	\$50.00	\$400.00
23	Polyethylene Encasement	208	FT	\$1.00	\$208.00
24	Temporary Water Supply System, 3/4 inch (215-340 ft)	1	LS	\$9,000.00	\$9,000.00
25	Water Main, Class 54, DI, 8 inch, Tr Det G	208	FT	\$365.00	\$75,920.00
26	Connection to Existing Water Main	3	EA	\$7,500.00	\$22,500.00
27	Gate Valve and Box, 8 inch	3	EA	\$4,000.00	\$12,000.00
28	Flowable Fill, 4 inch Water Main	202	FT	\$1.00	\$202.00
29	Cut & Cap 4 inch Water Main	3	EA	\$275.00	\$825.00
30	Temporary Water Service Connection	1	EA	\$1,500.00	\$1,500.00
31	Water Main Line Stop, 4 inch	3	EA	\$6,500.00	\$19,500.00
32	Water Service, Jumper Connect, 3/4 inch	1	EA	\$250.00	\$250.00
33	Curb Stop and Box, 3/4 inch	1	EA	\$500.00	\$500.00
34	Turf Establishment	1	STA	\$10,000.00	\$10,000.00
35	Pavement Markings	1	LS	\$1,250.00	\$1,250.00

Estimated Construction Cost **\$299,435.00**

REQUEST FOR ROAD CLOSURE

NOTICE:
THIS REQUEST MUST BE MADE
AT LEAST THREE (3) WEEKS PRIOR TO REQUESTED CLOSURE DATE
THE DETOUR SIGNING PLAN MUST BE APPROVED
BEFORE THIS REQUEST IS MADE

DATE:

TO: The Road Commission for Oakland County
Department of Customer Services
Permits
2420 Pontiac Lake Road
Waterford, MI 48328

City of Farmington hereby requests the closure of 9 Mile Road in accordance with R.C.O.C. Permit No. _____ and the detour signing diagram previously approved. The following job information is provided for your use:

ROAD: 9 Mile Road TOWNSHIP: City of Farmington

BETWEEN: Grand River Avenue and Hawthorne Street
(ROADS)

TYPE OF WORK: Emergency water main repair

CLOSURE DATE: 10/02/2020 OFFICE PHONE: 248.476.6107

RE-OPEN DATE: 10/16/2020 FAX PHONE: _____

CONTRACTOR D'Angelo Brothers JOB/CAR PHONE: 248.515.1942

SUPERVISOR: Vince D'Angelo 24-HOUR
vince@dangelo-brothers.com EMERGENCY PHONE 248.515.1942

DETOUR ROUTE: See attached detour plan.

We will install and maintain all detour signing in accordance with the previously approved plan and the Michigan Manual of Uniform Traffic Control Services. We recognize that additional signing may be required by the R.C.O.C. and agree to install additional signs, including special signs, at the direction of the R.C.O.C.

Furthermore, we will install informational signs at each end of the closed road with the type of work, name of the owner, name of the contractor and a phone number for project information.

We recognize that the road will be closed to through traffic, however, access will be maintained at all times for local residential and business traffic and emergency vehicles. We will contact residents and businesses at least 24 hours prior to disrupting their driveways. All driveways and roads will be backfilled and passable at the end of the workday.

Signed: **Charles J. Eudy**



ORCHARD, HILTZ & McCLIMENT, INC.
 34000 Plymouth Road, Livonia, Michigan, 48150

Floral St. & 9 Mile Emergency Water Main Replacement BID FORM

Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Floral Street & 9 Mile Emergency Water Main Replacement
 Approximately 220' of 4-inch removed and replaced with 8-inch DI water main

DATE: Sep 21, 2020
 PROJECT NO. 0111-12-0060
 ESTIMATOR: JLH
 CHECKED BY: MDP
 CURRENT ENR: JLH

WORK: *D'ANGELO BROTHERS. Budget Cost.*

ITEM	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization, Max. 5%	1	LS	12,000	12,000
2	Traffic Maintenance & Control	1	LS	4,800	4,800
3	Audio Video Route Survey	1	LS	4,000	4,000
4	Curb and Gutter, Rem	194	EA	14	2,716
5	Pavt, Rem	161	SYD	20	3,220
6	Sidewalk, Rem	7	SYD	50	350
7	Gate Well, Rem	1	EA	800	800
8	Water Main, Rem	220	FT	20	4,400
9	Subgrade Undercutting, Type II (Modified)	30	CYD	75	2,250
10	Subgrade Undercutting, Type II (Special)	30	CYD	75	2,250
11	Trench Undercut and Backfill	30	CYD	75	2,250
12	Aggregate Base, 21AA Limestone, 8 inch	331	TON	33	10,923
13	Aggregate Base, 21AA Limestone, Drive Approach, 6 inch	15	TON	33	495
14	Maintenance Aggregate, 21AA	10	TON	33	330
15	Station Grading	2.4	STA	2,800	6,720
16	MDOT HMA 13A, 4 inch (2 Lifts)	36	TON	300	10,800
17	MDOT HMA 13A, 6 inch (3 Lifts) - 9 Mile	150	TON	325	48,750
18	Driveway, Nonreinf Conc, 6 inch	35	SYD	95	3,325
19	Curb and Gutter, Conc, Det F4	194	FT	55	10,670
20	Sidewalk, Conc, 6 inch	38	SFT	8	304
21	Sidewalk Ramp, Conc, 6 inch	25	SFT	8	200
22	Detectable Warning Surface	8	FT	40	320
23	Polyethylene Encasement	220	FT	1	220
24	Temporary Water Supply System, 2 inch	1	LS	8,500	8,500
25	Water Main, Class 54, DI, 8 inch, Tr Det G	220	FT	180	39,600
26	Connection to Existing Water Main	3	EA	6,000	18,000
27	Gate Valve and Well, 8 inch	3	EA	8,000	24,000
28	Temporary Water Service Connection	1	EA	2,000	2,000
29	Water Main Line Stop, 8 inch	3	EA	7,500	22,500
30	Water Service, Jumper Connect, 3/4 inch	1	EA	800	800
31	Turf Establishment	1	STA	5,800	5,800
32	Pavement Markings	1	LS	3,000	3,000
33	RCOC Permit Fee	1	LS	N/A	0

JENICE D'ANGELO 9-21-20
JLH

Estimated Construction Cost **260,073**
 Construction Contingency (10%)
 CE & Inspection Services (12%)
 Estimated Materials Testing (3%)
Total Project Cost



PERMIT APPLICATION FOR WATER SUPPLY SYSTEMS
(CONSTRUCTION - ALTERATION - ADDITION OR IMPROVEMENT) AS DESCRIBED HEREIN
Required under the Authority of 1976 PA 399, as amended (Act 399)

This application becomes an Act 399 Permit only when signed and issued by authorized Michigan Department of Environment, Great Lakes, and Energy (EGLE) staff. See instructions below for completion of this application.

1. Municipality or Organization, Address and WSSN that will own or control the water facilities to be constructed. This permit is to be issued to: WSSN:	Permit Stamp Area (EGLE use only)	
2. Owner's Contact Person (provide name for questions): Contact: Chuck Eudy Title: Director of Public Works Phone: 248-473-7250		
3. Project Name (Provide phase number if project is segmented): 9 Mile/Floral Emergency WM Repair	4. Project Location (City, Village, Township): City of Farmington	5. County (location of project): Oakland

ISSUED UNDER THE AUTHORITY OF THE DIRECTOR OF
THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

cc:

Issued by: _____

Reviewed by: _____

If this box is marked see attached special conditions.

Instructions: Complete items 1 through 5 above and 6 through 21 on the following pages of this application. Print or type all information except for signatures. Mail completed application, plans and specifications, and any attachments to the EGLE District Office having jurisdiction in the area of the proposed construction.

Please Note:

- This **PERMIT** only authorizes the construction, alteration, addition or improvement of the water system described herein and is issued solely under the authority of 1976 PA 399, as amended.
- The issuance of this **PERMIT** does not authorize violation of any federal, state or local laws or regulations, nor does it obviate the necessity of obtaining such permits, including any other EGLE permits, or approvals from other units of government as may be required by law.
- This **PERMIT** expires two (2) years after the date of issuance in accordance with R 325.11306, 1976 PA 399, administrative rules, unless construction has been initiated prior to expiration.
- Noncompliance with the conditions of this permit and the requirements of the Act constitutes a violation of the Act.
- Applicant must give notice to public utilities in accordance with 1974 PA 53, (MISS DIG), being Section 460.701 to 460.718 of the Michigan Compiled Laws and comply with each of the requirements of that Act.
- All earth changing activities must be conducted in accordance with the requirements of the Soil Erosion and Sedimentation Control Act, Part 91, 1994 PA 451, as amended (Act 451).
- All construction activity impacting wetlands must be conducted in accordance with the Wetland Protection Act, Part 303, 1994 PA 451, as amended.
- Intentionally providing false information in this application constitutes fraud which is punishable by fine and/or imprisonment.
- Where applicable for water withdrawals, the issuance of this permit indicates compliance with the requirements of Part 327 of Act 451, Great Lakes Preservation Act.

Permit Application for Water Supply Systems (Continued)

6. Facilities Description – In the space below provide a detailed description of the proposed project. Applications without adequate facilities descriptions will be returned. SEE EXAMPLES BELOW. Use additional sheets if needed.

Construction of approximately 210 feet of 8-inch ductile iron water main at 9 Mile and Floral. This water main will replace an existing 4-inch water main with no new customers or demands being added. The construction will include the following:

Three (3) 8-inch Gate Valve & Boxes
 One (1) 8x8x8 tee
 Three (3) reducers to connect to existing

EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES – EXAMPLES	
Water Mains	500 feet of 8-inch water main in First Street from Main Street north to State Street. OR 250 feet of 12-inch water main in Clark Road from an existing 8-inch main in Third Avenue north to a hydrant.
Booster Stations	A booster station located at the southwest corner of Third Avenue and Main Street, and equipped with two, 15 Hp pumps each rated 150 gpm @ 200 feet TDH. Station includes backup power and all other equipment as required for proper operation.
Elevated Storage Tank	A 300,000 gallon elevated storage tank located in City Park. The proposed tank shall be spherical, all welded construction and supported on a single pedestal. The tank shall be 150 feet in height, 40 feet in diameter with a normal operating range of 130 – 145 feet. The interior coating system shall be ANSI/NSF Standard 61 approved or equivalent. The tank will be equipped with a cathodic protection system, and includes a tank level control system with telemetry.
Chemical Feed	A positive displacement chemical feed pump, rated at 24 gpd @ 110 psi to apply a chlorine solution for Well No. 1. Chlorine is 12.5% NaOCL, ANSI/NSF Standard 60 approved and will be applied at a rate of 1.0 mg/l of actual chlorine.
Water Supply Well	Well No. 3, a 200 foot deep well with 170 feet of 8-inch casing and 30 feet of 8-inch, 10 slot screen. The well will be equipped with a 20 Hp submersible pump and motor rated 200 gpm @ 225 feet TDH, set at 160 feet below land surface.
Treatment Facilities	A 5 million gpd water treatment plant located at the north end of Second Avenue. The facility will include 6 low service pumps, 2 rapid mix basins, 4 flocculation/sedimentation basins, 8 dual media filters, 3 million gallon water storage reservoir and 6 high service pumps. Also included are chemical feed pumps and related appurtenances for the addition of alum, fluoride, phosphate and chlorine.

Permit Application for Water Supply Systems (Continued)

General Project Information – Complete all boxes below.	
<p>7. Design engineer's name, engineering firm, address, phone number, and email address:</p> <p>Matthew Parks, P.E. OHM Advisors 34000 Plymouth Road Livonia, MI 48150</p>	<p>8. Indicate who will provide project construction inspection:</p> <p><input type="checkbox"/> Organization listed in Box 1. <input checked="" type="checkbox"/> Engineering firm listed in Box 7. <input type="checkbox"/> Other - name, address, and phone number listed below.</p>
<p>9. Is a basis of design attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p style="text-align: right;">Replacement of existing WM - no new customers or demand changes.</p> <p>If no, briefly explain why a basis of design is not needed.</p>	
<p>10. Are sealed and signed engineering plans attached? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If no, briefly explain why engineering plans are not needed.</p>	
<p>11. Are sealed and signed construction specifications attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If specifications are not attached, they need to be on file at EGLE.</p>	
<p>12. Were Recommended Standards for Water Works, Suggested Practice for Water Works, AWWA guidelines, and the requirements of Act 399 and its administrative rules followed? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If no, explain which deviations were made and why.</p>	
<p>13. Are all coatings, chemical additives and construction materials ANSI/NSF or other adequate 3rd party approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If no, describe what coatings, additives or materials did not meet the applicable standard and why.</p>	
<p>14. Are all water system facilities being installed in the public right-of-way or a dedicated utility easement? (For projects not located in the public right-of-way, utility easements must be shown on the plans.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If no, explain how access will be obtained.</p>	
<p>15. Is the project construction activity within a wetland (as defined by Section 324.30301(d)) of Part 303, 1994 PA 451? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If yes, a wetland permit must be obtained.</p>	
<p>16. Is the project construction activity within a 100-year floodplain (as defined by R 323.1311(e)) of Part 31, 1994 PA 451, administrative rules? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If yes, a flood plain permit must be obtained.</p>	
<p>17. Is the project construction activity within 500 feet of a lake, reservoir, or stream? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p>If yes, a Soil and Erosion Control Permit must be obtained <u>or</u> indicate if the owner listed in box 2 of this application is an Authorized Public Agency (Section 10 of Part 91, 1994 PA 451) <input type="checkbox"/> Owner is APA.</p>	

Permit Application for Water Supply Systems (Continued)

18. Will the proposed construction activity be part of a project involving the disturbance of five (5) or more acres of land?
 YES NO

If YES, is this activity regulated by the National Pollutant Discharge Elimination System (NPDES) storm water regulations?

YES: NPDES Authorization to discharge storm water from construction activities must be obtained.

NO: Describe why activity is not regulated.

Please call 517-241-8993 with questions regarding the applicability of the storm water regulations.

19. Is the project in or adjacent to a site of suspected or known soil or groundwater contamination?

YES NO

If YES, attach a copy of a plan acceptable to EGLE for handling contaminated soils and/or groundwater disturbed during construction. Contact the local EGLE district office for listings of Michigan sites of environmental contamination.

20. IF YOU ARE A CUSTOMER/WHOLESALE/BULK PURCHASER, COMPLETE THE FOLLOWING

1. Name and WSSN of source water supply system (seller): GLWA (2838)
2. Does the water service contract require water producer/seller to review and approve customer/wholesale/bulk purchaser water system construction plans?

YES NO

If yes to #2, the producer/seller approval letter must be attached when submitted to EGLE.


21. **Owner's Certification** The owner of the proposed facilities or the owner's authorized representative shall complete the owner's certification. It is anticipated that the owner will either be a governmental agency (city, village, township, county, etc.) or a private owner (individual, company, association, etc.) of a Type I public water supply.

OWNER'S CERTIFICATION

I, Chuck Eudy (name), acting as the Director of Public Works (title/position) for
(print) (print)

City of Farmington (entity owning proposed facilities) certify that this project has
(print)

been reviewed and approved as detailed by the Plans and Specifications submitted under this application, and is in compliance with the requirements of 1976 PA 399, as amended, and its administrative rules.

 9/29/20 248/473-7250
Signature* Date Phone

*Original signature only, no photocopies will be accepted.



ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150

Floral St. & 9 Mile Emergency Water Main Replacement

Telephone: (734) 522-6711 FAX: (734) 466-4557

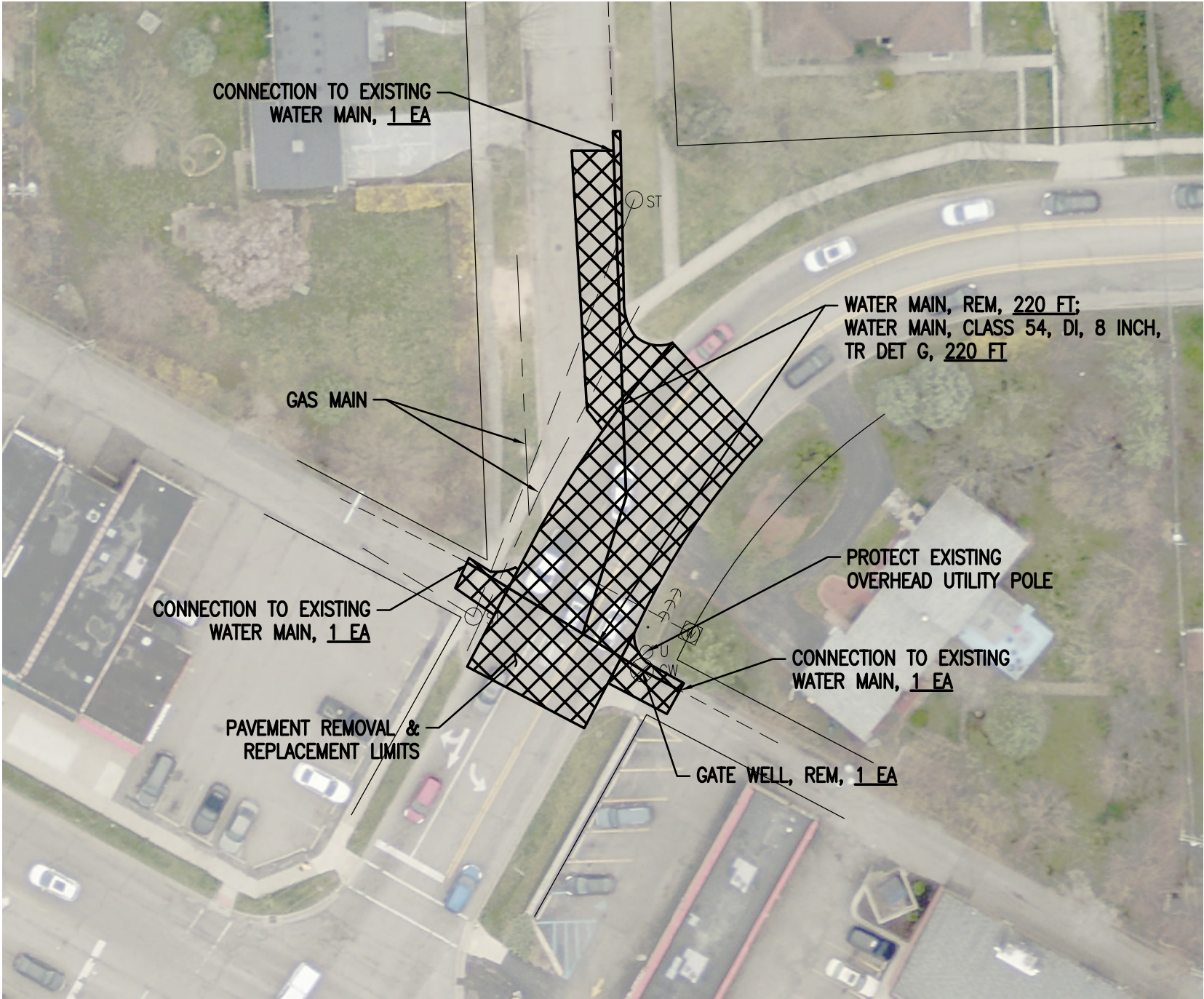
PROJECT: Floral Street & 9 Mile Emergency Water Main Replacement
Approximately 220' of 4-inch removed and replaced with 8-inch DI water main

DATE: Sep 21, 2020
PROJECT NO.: 0111-12-0060
ESTIMATOR: JLH
CHECKED BY: MDP
CURRENT ENR: JLH

WORK:

ITEM	DESCRIPTION	EST. QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization, Max. 5%	1	LS	\$ 15,000.00	\$ 15,000.00
2	Traffic Maintenance & Control	1	LS	\$ 10,000.00	\$ 10,000.00
3	Audio Video Route Survey	1	LS	\$ 1,200.00	\$ 1,200.00
4	Curb and Gutter, Rem	194	EA	\$ 7.00	\$ 1,358.00
5	Pavt, Rem	161	SYD	\$ 4.50	\$ 726.60
6	Sidewalk, Rem	7	SYD	\$ 4.50	\$ 31.50
7	Gate Well, Rem	1	EA	\$ 900.00	\$ 900.00
8	Water Main, Rem	220	FT	\$ 9.00	\$ 1,980.00
9	Subgrade Undercutting, Type II (Modified)	30	CYD	\$ 42.00	\$ 1,260.00
10	Subgrade Undercutting, Type II (Special)	30	CYD	\$ 34.00	\$ 1,020.00
11	Trench Undercut and Backfill	30	CYD	\$ 30.00	\$ 900.00
12	Aggregate Base, 21AA Limestone, 8 inch	331	TON	\$ 22.00	\$ 7,282.00
13	Aggregate Base, 21AA Limestone, Drive Approach, 6 inch	15	TON	\$ 22.00	\$ 330.00
14	Maintenance Aggregate, 21AA	10	TON	\$ 22.00	\$ 220.00
15	Station Grading	2.4	STA	\$ 1,900.00	\$ 4,560.00
16	MDOT HMA 13A, 4 inch (2 Lifts)	36	TON	\$ 111.00	\$ 3,996.00
17	MDOT HMA 13A, 6 inch (3 Lifts) - 9 Mile	150	TON	\$ 130.00	\$ 19,500.00
18	Driveway, Nonreinf Conc, 6 inch	35	SYD	\$ 49.50	\$ 1,732.50
19	Curb and Gutter, Conc, Det F4	194	FT	\$ 18.00	\$ 3,492.00
20	Sidewalk, Conc, 6 inch	38	SFT	\$ 5.50	\$ 209.00
21	Sidewalk Ramp, Conc, 6 inch	25	SFT	\$ 7.00	\$ 175.00
22	Detectable Warning Surface	8	FT	\$ 70.00	\$ 560.00
23	Polyethylene Encasement	220	FT	\$ 1.00	\$ 220.00
24	Temporary Water Supply System, 2 inch	1	LS	\$ 7,500.00	\$ 7,500.00
25	Water Main, Class 54, DI, 8 inch, Tr Det G	220	FT	\$ 184.00	\$ 40,480.00
26	Connection to Existing Water Main	3	EA	\$ 6,400.00	\$ 19,200.00
27	Gate Valve and Well, 8 inch	3	EA	\$ 6,300.00	\$ 18,900.00
28	Temporary Water Service Connection	1	EA	\$ 50.00	\$ 50.00
29	Water Main Line Stop, 8 inch	3	EA	\$ 600.00	\$ 1,800.00
30	Water Service, Jumper Connect, 3/4 inch	1	EA	\$ 900.00	\$ 900.00
31	Turf Establishment	1	STA	\$ 2,000.00	\$ 2,000.00
32	Pavement Markings	1	LS	\$ 1,500.00	\$ 1,500.00
33	RCOC Permit Fee	1	LS	\$ 5,000.00	\$ 5,000.00

Estimated Construction Cost	\$174,000.00
Construction Contingency (10%)	\$17,000.00
CE & Inspection Services (12%)	\$23,000.00
Estimated Materials Testing (3%)	\$6,000.00
Total Project Cost	\$215,000 - \$225,000



CONNECTION TO EXISTING
WATER MAIN, 1 EA

ST

WATER MAIN, REM, 220 FT;
WATER MAIN, CLASS 54, DI, 8 INCH,
TR DET G, 220 FT

GAS MAIN

PROTECT EXISTING
OVERHEAD UTILITY POLE

CONNECTION TO EXISTING
WATER MAIN, 1 EA

CONNECTION TO EXISTING
WATER MAIN, 1 EA

PAVEMENT REMOVAL &
REPLACEMENT LIMITS

GATE WELL, REM, 1 EA

Farmington City Council Staff Report	Council Meeting Date: October 5, 2020	Item Number 6
Submitted by: David Murphy, City Manager		
Agenda Topic: Consideration to Authorize the Lease of Multipurpose Printer/Copier/Scanner/Fax Machines		
Proposed Motion: Move to approve the lease of 4 Multipurpose Printer/Copier Machines for a 5-year period in the amount of \$443.00 per month (\$26,580.00).		
Background: City Administration is recommending the lease of 4 multipurpose printer/copier machines. The equipment will be leased for a 5-year period. Our current equipment lease expires at the end of October. The new machines will be upgrades for a slightly lower cost. Our last contract was \$460.69 per month (total \$27,641.40), this will be \$443.00 per month (\$26,580.00). The City is leasing the equipment through a competitive contact bid out by Farmington Hills.		
Materials: quote, brochure and usage chart		



Proposed Equipment MITN Cooperative Pricing

DPW	IMC3000, 4 paper trays, internal finisher, fax	\$ 92.00
Finance	IMC3500, 4 paper trays, internal finisher, fax	\$142.00
Copy Room CH	MC3500, 4 paper trays, internal finisher	\$130.00
Police	IMC3000, cabinet, fax	\$ 79.00
Total 60 Month \$1.00 Buyout		\$443.00 per month

Maintenance & Toner

B&W billed usage @ .007

Color billed usage @ .06

Includes:

- ❧ Delivery
- ❧ Set Up & Installation
- ❧ Network Installation
- ❧ Key Operator Training
- ❧ Maintenance includes all toner, parts, labor, and preventative service
- ❧ Maintenance rate guaranteed for 60 months
- ❧ Includes lease termination & ship back of current machines

Make	Model	Equipment number	Serial number	Latest date (reading)	Latest display (reading)	Mo. avg (3mo.)	Mo. avg (6mo.)	Mo. avg (12mo.)	Cost per page		Equip address	Equip. city	Equip. state	Location name	Equip. location
									Meter Type	per month					
Ricoh	MPC3003	55044	E155M161741	8/26/2020	5246	139	234	158	Color	\$9.48	33720 W 9 Mile Rd	Farmington	MI	City of Farmington	DPS
Ricoh	MPC3003	55044	E155M161741	8/26/2020	100182	2153	1948	2170	B/W	\$15.19	33720 W 9 Mile Rd	Farmington	MI	City of Farmington	DPS
									Total	\$24.67					
Ricoh	MPC3503	38221	E165M411178	8/26/2020	35711	399	276	495	Color	\$29.70	23600 Liberty St	Farmington	MI	City of Farmington	Finance
Ricoh	MPC3503	38221	E165M411178	8/26/2020	363617	6239	5216	5701	B/W	\$39.91	23600 Liberty St	Farmington	MI	City of Farmington	Finance
									Total	\$69.61					
Ricoh	MPC3503	38222	E165M411182	8/26/2020	196287	2263	1783	2361	Color	\$141.66	23600 Liberty St	Farmington	MI	City of Farmington	Copy Room City Hall
Ricoh	MPC3503	38222	E165M411182	8/26/2020	305401	3664	2813	3790	B/W	\$26.53	23600 Liberty St	Farmington	MI	City of Farmington	Copy Room City Hall
									Total	\$168.19					
Ricoh	MPC3503	55314	E165M710970	8/26/2020	37890	743	676	844	Color	\$50.64	23600 Liberty St	Farmington	MI	City of Farmington	Public Safety
Ricoh	MPC3503	55314	E165M710970	8/26/2020	320671	2594	2390	3816	B/W	\$26.71	23600 Liberty St	Farmington	MI	City of Farmington	Public Safety
									Total	\$77.35					
									Grand Total	\$339.82					

All machines have internal finisher, fax and paper feed.

Full Colour Multi Function Printer

RICOH
IM C3000
IM C3500
IM C4500
IM C6000

☑Copier ☑Printer ☑Facsimile ☑Scanner

RICOH
imagine. change.



Welcome to a new era of technology that keeps your workplace up to date with RICOH IM C3000 / C3500 / C4500 / C6000 range of intelligent devices. Device and technology that is designed to grow and adapt, just as your business does.

Today's workplace needs to be ready for tomorrow. RICOH Intelligent Devices provide smooth access to functionality upgrades and productivity enhancements when they are released, without needing to change your hardware. Turn your device into a powerful hub that helps you manage information workflows efficiently, using technology that is scalable, secure, sustainable and simple.

Now is the time to:

- Protect your devices with easy access to security updates
- Take advantage of easy productivity upgrades at your own pace
- Save costs by bringing high-standard quality print output in-house
- Maximise productivity with streamlined workflows



Ricoh
Outstanding Achievement in Innovation for
Ricoh Intelligent Scanning

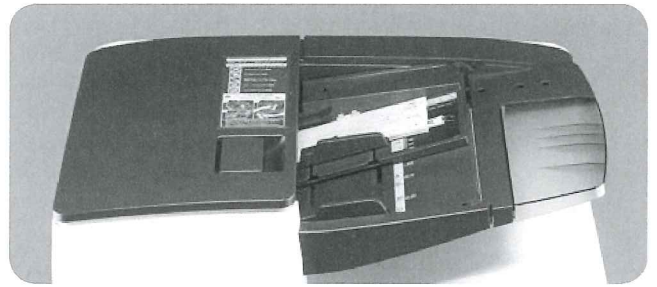


Ricoh IM C4500
Outstanding 45-ppm Colour Copier MFP

Excellent Performance with the Best Quality Output

Greater Control of Scan and Print Management

Scanning of smaller sized documents can be easily done with the new small sized paper scan unit. The double feed detection unit helps to improve scan accuracy while the EFI controller enhances print management. Now, you can also create professional grade flyers at your own convenience with our inner multi-folding unit.



Maximise Cost Savings

Enjoy lower running costs and reduced energy consumption thanks to environmentally friendly low TEC (Typical Electricity Consumption) values. Furthermore, take advantage of RICOH Intelligent Support services that anticipate potential issues and send corrective instructions via the Smart Operation Panel, avoiding interruptions and prolonging the optimal performance of your device – avoiding the need for intervention by more costly IT resources.

Seamless User Experience

Our intelligent devices offer efficient working and reduced user intervention by expanding paper capacity. Choose from our versatile finishing and paper options for a professional touch to save time and reduce outsourcing expenses. With RICOH Intelligent Support, experience maximum device uptime and minimal disruption across all your devices.



Next-level Productivity with Smart Operations

Interact with the 10.1" Smart Operation Panel like a typical smart device and configure it for quick and easy access to apps you use most often. A variety of mobile connectivity options enable printing or scanning to the office network or cloud from a smart device with built in support for NFC, AirPrint or Mopria. All this underpinned by a unique suite of support apps from RICOH Smart Integration.

RICOH IM C3000 / IM C3500 / IM C4500 / IM C6000

MAIN SPECIFICATIONS

MODEL	RICOH IM C3000	RICOH IM C3500	RICOH IM C4500	RICOH IM C6000
GENERAL				
Warm-up Time	21 Seconds			
First Output Speed : B/W	4.5 Seconds	4.5 Seconds	3.6 Seconds	2.9 Seconds
First Output Speed : Full Color	6.9 Seconds	6.9 Seconds	5.4 Seconds	4.2 Seconds
Continuous Output Speed	30ppm	35ppm	45ppm	60ppm
Memory Std/Max	2GB Std / 4GB Max			
HDD Std/Max	320GB Std/Max			
ARDF Capacity	100 Sheets			
SPDF Capacity	220 Sheets			
Weight [Mainframe]	Less Than 85.5Kg		Less Than 87.5Kg	
Dimensions W x D x H [Standard]	587 x 685 x 788 mm			
Dimensions W x D x H [Maximum] (excluding ARDF/SPDF)	668 x 738 x 1030 mm			
Power Source	220 - 240V 50/60Hz			
COPIER				
Multiple Copying	Up to 999 Copies			
Resolution	600 dpi			
Zoom	From 25% to 400% in 1% Step			
PRINTER				
CPU	Intel Atom Processor ApolloLake 1.3GHz		Intel Atom Processor ApolloLake 1.6GHz	
Printer Language : Standard	PCL5c, PCL6, Postscript 3 (emulation), PDF direct (emulation)			
Printer Language : Option	Genuine Adobe® Postscript®3™, XPS, IPDS, PictBridge, PDF Direct from Adobe®			
Print Resolution	1,200 x 1,200 dpi			
Network Interface : Standard	Ethernet 10 base-T/100base-TX/1000 base-T, USB Host I/F Type A, USB Device I/F Type B			
Network Interface : Option	Bi-directional IEEE 1284/ECP, Wireless LAN (IEEE 802.11a/b/g/n), Additional NIC (2nd port)			
Mobile Printing Capability	Apple AirPrint™, Mopria, Google Cloud Print, NFC, Ricoh Smart Device Connector			
Windows® environments	Windows® 7, Windows® 8.1, Windows® 10, Windows® Server 2008, Windows® Server 2008R2, Windows® Server 2012R2, Windows® Server 2016			
Mac OS environments	Macintosh OS X10.11 or Later			
UNIX environments	UNIX Sun® Solaris, HP-UX, SCO OpenServer, RedHat® Linux Enterprise, IBM® AIX			
SAP® environments	SAP® S/4®			
Other Supported environments	IBM iSeries			
SCANNER				
Scanning Speed	120ipm (Simplex) / 240ipm (duplex)			
Resolution : Maximum	1,200 dpi			
Compression Method	TIFF (MH, MR, MMR, JBIG2), Grayscale			
File Formats	Single Page TIFF, Single page JPEG, Single Page High compression PDF, Single page PDF-A, Multi page TIFF, Multi page PDF, Multi page High compression PDF, Multi Page PDF-A			
Scan Modes	Email, Folder, USB, SD Card			
FACSIMILE				
Circuit	PSTN, PBX			
Transmission Speed	2 Seconds			
Modem Speed : Maximum	33.6 Kbps			
Resolution : Standard	8 x 3.65 line/mm, 200 x 100 dpi			
Resolution : Option	16 x 15.4 line/mm, 400 x 400 dpi			
Compression Method	MH, MR, MMR, JBIG			
Memory : Standard	4MB (320 Pages)			
Memory : Maximum	60MB (4,800 Pages)			
PAPER HANDLING				
Recommended Paper Size	SRA3, A3, A4, A5, A6, B4, B5, B6			
Paper Input Capacity Std	1,200 Sheets			
Paper Input Capacity Max	4,700 Sheets			
Paper Output Capacity Std	500 Sheets			
Paper Output Capacity Max	1,625 Sheets		3,625 Sheets	
Paper Weight	60 - 300g/m ²			
Paper Types	Plain paper, Recycle paper, Special paper, Color paper, Letterhead, Cardstock, Preprinted paper, Bond paper, Coated paper, Envelope, Gloss paper, Label paper, OHP			
ECOLOGY				
Power Consumption : Max	Less Than 1,700 W		Less Than 1,850 W	
Power Consumption : Ready	47.6 W		59.0 W	
Power Consumption : Sleep	0.55 W		0.62 W	
TEC Value	1.1kWh	1.3kWh	1.8kWh	2.7kWh

RICOH IM C3000 / IM C3500 / IM C4500 / IM C6000

MAIN SPECIFICATIONS

MODEL	RICOH IM C3000	RICOH IM C3500	RICOH IM C4500	RICOH IM C6000
OUTPUT TRAY AND FINISHER OPTION				
1 x 550-Sheets Paper Tray (PB 3270)	Paper Size : A6-SRA3, Paper Weight : 60-300g/m ²			
2 x 550-Sheets Paper Tray (PB 3280)	Paper Size : A6-SRA3, Paper Weight : 60-300g/m ²			
2,000-Sheets Large Capacity Tray (LCIT PB3290)	Paper Size : A4, Paper Weight : 60-300g/m ²			
1,500-Sheets Large Capacity Tray (LCIT RT3040)	Paper Size : A4, Paper Weight : 60-300g/m ²			
1,000-Sheets Hybrid Finisher (SR3260)	Paper Size : Proof Tray :A6-A3, Shift Tray : A6-A3, Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, Bottom, 2 Staples Staple capacity Max : 50 sheets (A4) 30 Sheets (A3) Stapleless capacity Max : 5 sheets (A4/A3)			
3,000-sheet Finisher (SR 3280) [Available for IM C4500, IM C6000 only]	Paper Size : Proof Tray :A6-A3, Shift Tray : A6-A3, Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, Bottom, 2 Staples, Top slant Staple capacity Max : 50 sheets (A4) 30 Sheets (A3)			
1,000-Sheet Booklet Finisher (SR3270)	Paper Size : Proof Tray :A6-A3, Shift Tray : A6-A3, Booklet tray : A4-A3 Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, Bottom, 2 Staples, Booklet Staple capacity Max : 50 sheets (A4) 30 Sheets (A3)			
2,000-Sheet Booklet Finisher (SR3290) [Available for IM C4500, IM C6000 only]	Paper Size : Proof Tray :A6-A3, Shift Tray : A6-A3, Booklet tray : A4-A3 Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, Bottom, 2 Staples, Booklet Staple capacity Max : 50 sheets (A4) 30 Sheets (A3)			
500-Sheet Internal Finisher (SR3250) (IM C6000 is not supported)	Paper Size : A6-A3, Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, Bottom, 2 Staples Staple capacity Max : 50 sheets (A4) 30 Sheets (A3)			
250-Sheet Internal Finisher (SR3300) (Available for IM C3000, IM C3500 only)	Paper Size : A6-A3, Paper weight : 60-300g/m ² Staple paper size : A4-A3, Staple paper weight :52-105g/m Staple position : Top, 1 Staple Staple capacity Max : 2-5 sheets (A4)			
Internal Shift Tray (SH3080)	Tray Capacity : 250 sheets, Paper size : 320 mm x 600 mm or smaller, Paper weight : 60-300g/m ²			
One-bin tray (BN3130)	Tray Capacity : 125 sheets, Paper size : A5 - A3, Paper weight : 52-300g/m ²			
OTHER OPTIONS				
Platen Cover PN2000, DF3110, DF3120, Fax Option Type M37, G3 Interface Unit Type M37, Fax Connection unit Type M37, FAX Memory unit Type M19 64MB, Memory Unit Type M37 4GB, Caster Table Type M3, VM Card Type M37, Side Tray, Punch Unit NA/EU/SC (PU3070,PU3080,PU3090), Internal Multi-fold unit FD3010, Camera direct print card, Postscript3 Unit Type M37, XPS direct print Option Type M37, IEEE 1284 I/F Type M19, IEEE 802.11a/g/n I/F Type M19, Device server option Type M37, File format Converter Type M19, OCR Unit Type M13, Small Paper Feeding Unit Type M37, Page Keeper Type M37, ADF Handle, External Keyboard Bracket Type M19, Optional Counter Interface Unit Type M12, Key Counter Bracket Type M3, NFC Card Reader Type M37, Smart Card Reader Built in Unit Type M37, External USB Keyboard (No bracket), Color Controller E-25C, Unicode Font Package for SAP*License.				

*AirPrint certification will be available in 2019.

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