

## Addendum No. 1

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Owner: City of Muskegon

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Project Title: Wastewater & Water System Improvements  
Sanford Street: Laketon to Apple

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Project #: 2211000

Date of Addendum: July 22, 2022

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## Notice to Prospective Bidders

In accordance with Article 1 of the General Conditions, this Addendum is hereby issued as part of the Contract Documents.

### **Bid Proposal:**

Bid unit price proposal sheet has been revised and is enclosed.

### **Project Drawings:**

Revised Sheets 15 and 18 are enclosed.

### **Davis Bacon Wage Decisions:**

Updated current wage rate decisions are enclosed and replaces the previous wage rates included in the specifications.

MI20220001 – 07/15/2022

MI20210067 – 07/15/2022

### **Enclosures:**

- Minutes of Mandatory Pre-bid Meeting 7/14/2022
- Revised Bid Proposal
- Revised Drawing Sheets 15 and 18
- Updated Wage Decisions



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Matthew R. Hulst, P.E.

# Bid Proposal - Unit Prices

Owner:

City of Muskegon

Project Title:

Wastewater and Water System Improvements, Sanford Street: Laketon to Apple

Bid Date & Time:

See Advertisement

Project #:

2211000

SRF Project No.

5767-01

DWRF Project No.

7566-01

Item

No.	Description	Quantity	Unit	Unit Price	Total Amount
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## SRF/DWRF Eligible

1	Mobilization, Max, 10%	1	Lsum		
2	Traffic Control	1	Lsum		
3	Minor Traf Devices	1	Lsum		
4	Tree, Rem, 6 inch to 18 inch	8	Ea		
5	Tree, Rem, 19 inch to 36 inch	9	Ea		
6	Tree, Rem, 37 inch or Greater	5	Ea		
7	Dr Structure, Rem	91	Ea		
8	Sewer Rem, Less than 24 inch	7,292	Ft		
9	Sewer Rem, 24 inch to 48 inch	83	Ft		
10	Sewer, Abandon Less than 20 inch	1,940	Ft		
11	Sewer, Abandon, 20 inch and Greater	165	Ft		
12	Sanitary Manhole, Abandon	12	Ea		
13	Sewer, Bulkhead, 15 inch	1	Ea		
14	Curb and Gutter Rem	12,300	Ft		
15	Pavt, Rem	2,398	Syd		
16	HMA Surface, Rem	24,155	Syd		
17	Sidewalk, Rem	7,190	Syd		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
18	Sign, Type III, Rem	55	Ea		
19	Irrigaton Repair Allowance	50,000	Dlr	\$1.00	\$50,000.00
20	Erosion Control, Inlet Protection, Fabric Drop	89	Ea		
21	Machine Grading, Modified	58	Sta		
22	Aggregate Base, 8 inch, Modified	20,620	Syd		
23	HMA, 4EML	2,380	Ton		
24	HMA, 5EML	2,380	Ton		
25	Driveway, Nonreinf Conc, 6 inch	1,700	Syd		
26	Conc Pavt, Nonreinf, 8 inch	120	Syd		
27	Curb and Gutter, Conc. Det F3	86	Ft		
28	Curb and Gutter, Conc. Det F4	11,800	Ft		
29	Driveway Opening, Conc, Det M	144	Ft		
30	Sidewalk, Conc, 4 inch	29,000	Sft		
31	Sidewalk, Conc, 6 inch	10,100	Sft		
32	Curb Ramp, Conc, 4 inch	1,000	Sft		
33	Curb Ramp, Conc, 6 inch	5,800	Sft		
34	Curb Ramp Opening, Conc	842	Ft		
35	Detectable Warning Surface	572	Ft		
36	Turf Restoration	58	Sta		
37	Pavt Mrkg, Polyurea, 4 inch, Yellow	3,190	Ft		
38	Pavt Mrkg, Polyurea, 4 inch, White	1,595	Ft		
39	Pavt Mrkg, Polyurea, 18 inch, Stop Bar	337	Ft		
40	Pavt Mrkg, Polyurea, 6 inch, Cross Walk	1,533	Ft		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
41	Pavt Mrkg, Polyurea, 12 inch, Cross Walk	324	Ft		
42	Sign, Type III, Erect, Salv	5	Ea		
43	Sign Type IIIB	83	Sft		
44	Post, Steel 3 LB	328	Ft		
45	Post Hole Through Conc for Steel Post	8	Ea		
46	Sanitary Sewer, 8", Tr Det B	5,780	Ft		
47	Sanitary Sewer, 12", Tr Det B	10	Ft		
48	Sanitary Sewer, Plug, 8"	1	Ea		
49	Sanitary Manhole, 48" Dia	21	Ea		
50	Sanitary Drop Manhole, 48" Dia	4	Ea		
51	Sanitary Sewer, Wye, 8" x 6"	140	Ea		
52	Sanitary Lateral, 6", Public	4,800	Ft		
53	Sanitary Lateral, Connect to Ex.	131	Ea		
54	Sanitary Sewer, Connect to Ex. 6"	2	Ea		
55	Sanitary Sewer, Connect to Ex. 8"	7	Ea		
56	Sanitary Sewer, Connect to Ex 12"	3	Ea		
57	Sanitary Sewer, Bulkhead, 24 inch	2	Ea		
58	Sanitary Sewer, CCTV	5,783	Ft		
59	Sewer, Cl E, 8 inch, Tr Det B	15	Ft		
60	Sewer, Ductile Iron, 8 inch, Tr Det B	90	Ft		
61	Sewer, Ductile Iron, 12 inch, Tr Det B	219	Ft		
62	Sewer, Cl E, 12 inch, Tr Det B	1,652	Ft		
63	Sewer, Cl E, 15 inch, Tr Det B	1,438	Ft		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
64	Sewer, Cl E, 18 inch, Tr Det B	50	Ft		
65	Sewer, Cl E, 24 inch, Tr Det B	45	Ft		
66	Sewer, Cl E, 42 Inch, Tr Det B	32	Ft		
67	Sewer, Connect to Ex. 8"	2	Ea		
68	Sewer, Connect to Ex. 10"	2	Ea		
69	Sewer, Connect to Ex. 12"	7	Ea		
70	Sewer, Connect to Ex. 15"	3	Ea		
71	Sewer, Connect to Ex. 18"	2	Ea		
72	Sewer, Connect to Ex. 24"	3	Ea		
73	Sewer, Connect to Ex. 21"	1	Ea		
74	Sewer, Connect to Ex. 36"	1	Ea		
75	Sewer, Connect to Ex. 42"	1	Ea		
76	Dr Structure Tap, 12"	2	Ea		
77	Dr Structure, 24 inch dia, Mod	30	Ea		
78	Dr Structure, 48 inch dia, Mod	29	Ea		
79	Dr Structure, 60 inch dia, Mod	6	Ea		
80	Dr Structure, 72 inch dia, Mod	2	Ea		
81	Dr Structure Cover, Type B, Mod	21	Ea		
82	Dr Structure Cover, Type C	4	Ea		
83	Dr Structure Cover, Type K	41	Ea		
84	Accessible Dr Structure Cover	1	Ea		
85	Dr Structure Cover, Adj, Case 1	1	Ea		
86	Water Main, DI, 4" Tr Det G	30	Ft		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
87	Water Main, DI, 6", Tr Det G	444	Ft		
88	Water Main, DI, 8", Tr Det G	1,385	Ft		
89	Water Main, DI, 16", Tr Det G	126	Ft		
90	Water Main, Bend, 45 Degree, 4"	4	Ea		
91	Water Main, Bend, 45 Degree, 6"	13	Ea		
92	Water Main, Bend, 45 Degree, 8"	4	Ea		
93	Water Main, Bend, 90 Degree, 6"	1	Ea		
94	Water Main, Reducer, 6" x 4"	2	Ea		
95	Water Main, Reducer, 8" x 6"	3	Ea		
96	Water Main, Sleeve, 4"	2	Ea		
97	Water Main, Sleeve, 6"	9	Ea		
98	Water Main, Sleeve, 16"	5	Ea		
99	Water Main, Tee, 6" x 6" x 6"	2	Ea		
100	Water Main, Tee, 8" x 8" x 6"	7	Ea		
101	Water Main, Tee, 8" x 8" x 8"	1	Ea		
102	Water Main, Tee, 16" x 16" x 6"	1	Ea		
103	Water Main, Tee, 16" x 16" x 8"	1	Ea		
104	Water Main, Tee, 16" x 16" x 16"	1	Ea		
105	Water Main, Cross, 8" x 8" x 6" x 6"	1	Ea		
106	Water Main, Tapping Tee and Valve, 16" x 16" x 6"	1	Ea		
107	Water Main, Tapping Tee and Valve, 16" x 16" x 8"	2	Ea		
108	Water Main, Valve and Box, 6"	17	Ea		
109	Water Main, Valve and Box, 8"	6	Ea		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
110	Water Main, Valve and Box, 16"	3	Ea		
111	Water Main, Cut and Cap, 6"	5	Ea		
112	Water Main, Cap, 8"	1	Ea		
113	Water Main, Valve Box	11	Ea		
114	Valve Box, Adjust	14	Ea		
115	Hydrant, Rem	14	Ea		
116	Hydrant	13	Ea		
117	Water Main, Rem	290	Ft		
118	Water Service, Corporation Stop, 1"	106	Ea		
119	Water Service, Curb Stop and Box, 1"	106	Ea		
120	Water Service, 1"	6,900	Ft		
121	Water Service, Connect to Existing	101	Ea		
122	Water Service, Meter Pit	24	Ea		
123	Water Service Restoration, Private	83	Ea		
				<b>Total Bid:</b>	

# City of Muskegon SRF/DWRF Projects Mandatory Pre-Bid Meeting Meeting Agenda

**Date:** July 14, 2022, 2:00 P.M.

**Meeting Location:** City of Muskegon DPW Building

**Project Name:** City of Muskegon SRF/DWRF Projects

**SRF No.:** 5767-01

**DWRF No.:** 7566-01 (Sanford) and 7565-01 (LSLR)

## **GENERAL ITEMS:**

### **1. Introductions – Matt Hulst (Prein&Newhof)**

Sanford Street: Laketon to Apple

Engineer – Prein&Newhof

Representative: Matt Hulst, P.E.

Lead Service Line Replacements

Engineer – Prein&Newhof

Representative: Matt Hulst, P.E.

### **2. Mandatory Pre-bid meeting – Sign in sheet see attached.**

### **3. SRF/DWRF Program Requirements**

- a. Project Financing – All projects are financed through the State of Michigan State Revolving Fund and the Drinking Water Revolving Fund administered through the Department of Environment, Great Lakes, and Energy (EGLE). Project numbers are shown on the plans.
- b. DBE Good Faith Efforts – Not required.
- c. American Iron and Steel – American Iron and Steel per H.R. 3547 is required under this project. See Contract language in each Contract.
- d. Wages – Davis Bacon/Prevailing Federal Wage Rates are required. Updated wage rates will be added by Addendum 10 days prior to bid if necessary.
- e. Schedule –
  - i. Bids received 8/2/2022 @ 2 PM.
  - ii. Tentative Contract Award by City of Muskegon 8/15/2022
  - iii. EGLE Order of Approval 8/29/2022
  - iv. Award within 60 days of Order of Approval contingent upon successful sale of bonds.
  - v. Completion Dates – Project Specific

### **4. Bid Opening will be located at City Hall in the Hallway by the Clerks office. Bids will be opened publicly.**



5. Questions:

Q: What is the last day for questions?

A: July 25, 2022.

**PROJECT SPECIFIC ITEMS:**

6. Project Details Sanford Street

The project consists of furnishing all material and constructing the following approximate quantities:

- 5,770 ft. of 8-inch sanitary sewer
- 3,460 ft. of 12-inch to 36-inch storm sewer
- 1,945 ft. of 4-inch to 16-inch water main
- 5,700 ft. of road reconstruction

Including all necessary appurtenances and restoration.

7. Project Specifications Layout

- a. Gravity Sewer, Water Main, and Road Reconstruction items are in the Project Specifications.
- b. SRF/DWRF items are in Appendix A, Maintenance of Traffic is in Appendix B and Appendix C has special provisions for HMA.

8. Proposal Format

- a. Sub-contractors must be listed as shown in the proposal package

9. Schedule – Construction may begin upon issuing of Notice to Proceed.

- a. Note Sequence of Events in Project Specifications
- b. Note milestone and completion dates in the Agreement
- c. Road and utility work may begin late winter/early spring of 2023, tree removal must be completed between October 1, 2022 to March 31, 2023. Tree removal may be completed outside of the project phasing.

10. Questions:

Q: What is the existing water main material on Sanford that will remain in service?

A: According to available record plans:

16-inch water main Laketon to Southern – installed ~1973 “Ductile Cast Iron”

6-inch water main Morral to Apple – installed ~1976 “Ductile Cast Iron”.

Q: Is a licensed plumber required for connecting water service inside the residence?

A: A licensed plumber is not required to complete the connection unless the work extends beyond the first 18 inches into the house and requires additional internal pipe modifications.

Q: Is a licensed plumber required for connecting water service inside the residence?

A: A licensed plumber is not required to complete the connection unless the work extends beyond the first 18 inches into the house and requires additional internal pipe modifications.

Q: Do water services need to be installed with trenchless methods?

A: Private side portion of the water service shall be installed with trenchless methods.

#### 11. Project Details LSLR

The project consists of furnishing all material and constructing 180 water service replacements.

Including all necessary appurtenances and restoration.

#### 12. Schedule – Construction may begin upon issuing of Notice to Proceed.

a. Work must be completed by September 17, 2025.

b. Water services must be replaced for a complete block at a time. More than one block may be worked on at once, however, work must progress continuously until completion of all services within the block. The Contractor may choose to spread the services out through the contract period but once a block is started it must be completed within thirty (30) calendar days.

#### 13. Questions:

Q: Is a licensed plumber required for connecting water service inside the residence?

A: A licensed plumber is not required to complete the connection unless the work extends beyond the first 18 inches into the house and requires additional internal pipe modifications.

Q: Do water services need to be installed with trenchless methods?

A: Private side portion of the water service shall be installed with trenchless methods.

Q: What happens if a resident will not allow entry?

A: City will attempt to gain access, if access will not be possible then the house will be skipped.

Q: What is the difference in counts between service connects and corporation stops?

A: Some residences have the public side completed already and will only need the private side replaced.

Q: What is the average water main depth?

A: Water main typically has 5 to 6 ft of cover.

## Pre-bid Meeting Sign In sheet

Owner: City of Muskegon

Project Title: SRF/DWRF Project

SRF No.: 5767-01

DWRF No.: 7566-01 & 7556-01

Date: July 14, 2022 @ 2 P.M.

Location: City DPW Building

Attendee	Company	Phone Number (w/area code)	E-mail Address
Marc Walker	Milbocker	268-673-2195	mwalker@milbocker.com
Nick Ginsberg	JMC	269-998-9742	estimating@jackson-merkey.com
Martin Ryerson	McCormick Sand	231-888-4020	martin@ryersonbro.com
Jeff Gustafson	GUSTAFSON HOD	231-425-0388	Jeff@GustafsonHOD.com
Doug Timmer	Diversco	616-458-6379	Doug@diverscoconst.com
Mark Robinson	"		Mark@diverscoconst.com
Jarad Oborek	S-Star Energy	479-409-8022	jogorek@fivestarenergy.com
Andy Beaudoir	SWT Exc.	269-720-9081	a.beaudoir@swtexcavating.com
Darryll Plamondon	HALLACK CON	231-690-5679	gamber@HallackContracting.com
Wyatt Ellerson	CITY OF MUSKEGON		
Brian DeLong	WADL STABILIZATION	231-638-0813	bdelong@wadels.com
Tim Bergstrom	K&R	616-949-0800	bergsti@Kardrie.com
Trevor Moelker	SCHIPPERS EXCAVATING	616-437-9969	tmoelker@schippersexcavating.com
Dave Baker	CITY OF MUSKEGON	231-724-4184	dave.baker@shorelinecity.com
Don Meeks Jr	Meeks Contracting Services		donje47@gmail.com
Ran Vander Heide	City of Muskegon		
Matt Hulst	Prein & Newhof		

"General Decision Number: MI20220067 07/15/2022

Superseded General Decision Number: MI20210067

State: Michigan

Construction Type: Heavy

County: Muskegon County in Michigan.

Heavy, Includes Water, Sewer Lines and Excavation (Excludes Hazardous Waste Removal; Coal, Oil, Gas, Duct and other similar Pipeline Construction)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none"><li>. Executive Order 14026 generally applies to the contract.</li><li>. The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.</li></ul>
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none"><li>. Executive Order 13658 generally applies to the contract.</li><li>. The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.</li></ul>

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/25/2022
2	06/24/2022
3	07/15/2022

CARP0100-009 06/01/2021

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 25.24	20.31

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ELEC0275-001 06/01/2021

	Rates	Fringes
ELECTRICIAN.....	\$ 33.06	8.94+38%

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ENGI0325-016 09/01/2021

POWER EQUIPMENT OPERATORS: Underground Construction (Including Sewer)

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 35.92	24.85
GROUP 2.....	\$ 31.03	24.85
GROUP 3.....	\$ 30.53	24.85
GROUP 4.....	\$ 30.25	24.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Boring Machine, Roller, Scraper, Trencher (over 8 ft. digging capacity)

GROUP 2: Trencher (8-ft digging capacity and smaller)

GROUP 3: Boom Truck (non-swinging, non- powered type boom)

GROUP 4: Broom/ Sweeper, Fork Truck, Tractor, Bobcat/ Skid  
Steer /Skid Loader

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ENGI0326-009 06/01/2022

EXCLUDES UNDERGROUND CONSTRUCTION

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1.....	\$ 38.18	24.85
GROUP 2.....	\$ 36.47	24.85
GROUP 3.....	\$ 36.47	24.85
GROUP 4.....	\$ 30.61	24.85

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of  
July, Labor Day, Thanksgiving Day and Christmas Day.

Swing Boom Truck Operator over 12 tons-\$.50 per hour

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Boring Machine; Roller; Scraper; Tractor; Trencher

GROUP 2: Bobcat/Skid Loader; Broom/Sweeper; Fork Truck (over  
20' lift)

GROUP 3: Boom truck (non-swinging)

GROUP 4: Fork Truck (20' lift and under for masonry work)

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IRON0340-004 06/19/2017

	Rates	Fringes
IRONWORKER, STRUCTURAL AND REINFORCING.....	\$ 24.43	24.67

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LAB00334-006 09/01/2018

SCOPE OF WORK:

OPEN CUT CONSTRUCTION: Excavation of earth and sewer,  
utilities, and improvements, including underground  
piping/conduit (including inspection, cleaning, restoration,

and relining)

	Rates	Fringes
LABORER		
(1) Common or General.....	\$ 20.97	12.85
(2) Mason Tender- Cement/Concrete.....	\$ 21.10	12.85
(4) Grade Checker.....	\$ 21.28	12.85

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\* LAB00355-019 06/01/2022

EXCLUDES OPEN CUT CONSTRUCTION

	Rates	Fringes
LABORER		
Common or General; Grade Checker; Mason Tender - Cement/Concrete.....	\$ 26.70	12.95

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PAIN0845-017 05/21/2014

	Rates	Fringes
PAINTER: Brush, Roller and Spray.....	\$ 21.89	11.85

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PLAS0016-017 04/01/2014

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 21.15	12.78

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PLUM0174-003 07/01/2020

	Rates	Fringes
PLUMBER.....	\$ 37.09	22.52

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TEAM0007-010 06/01/2020

	Rates	Fringes
TRUCK DRIVER		
Lowboy/Semi-Trailer Truck...	\$ 28.15	.50 + a+b

FOOTNOTE:

a. \$470.70 per week.

b. \$68.70 daily.

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\* SUMI2010-065 11/09/2010

	Rates	Fringes
LABORER: Landscape.....	\$ 12.21 **	1.96
LABORER: Pipelayer.....	\$ 15.54	4.16
OPERATOR: Backhoe/Excavator.....	\$ 20.94	8.15
OPERATOR: Bulldozer.....	\$ 20.48	6.14
OPERATOR: Crane.....	\$ 18.50	5.10
OPERATOR: Grader/Blade.....	\$ 16.64	0.00
OPERATOR: Loader.....	\$ 17.52	5.51
TRUCK DRIVER: Dump Truck.....	\$ 17.00	5.71
TRUCK DRIVER: Off the Road Truck.....	\$ 20.82	3.69
TRUCK DRIVER: Tractor Haul Truck.....	\$ 16.50	4.89

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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\*\* Workers in this classification may be entitled to a higher  
minimum wage under Executive Order 14026 (\$15.00) or 13658  
(\$11.25). Please see the Note at the top of the wage  
determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave  
for Federal Contractors applies to all contracts subject to the  
Davis-Bacon Act for which the contract is awarded (and any  
solicitation was issued) on or after January 1, 2017. If this  
contract is covered by the EO, the contractor must provide  
employees with 1 hour of paid sick leave for every 30 hours  
they work, up to 56 hours of paid sick leave each year.  
Employees must be permitted to use paid sick leave for their  
own illness, injury or other health-related needs, including  
preventive care; to assist a family member (or person who is  
like family to the employee) who is ill, injured, or has other



health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and

the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour

National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

"General Decision Number: MI20220001 07/15/2022

Superseded General Decision Number: MI20210001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx  
and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none"><li>. Executive Order 14026 generally applies to the contract.</li><li>. The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.</li></ul>
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none"><li>. Executive Order 13658 generally applies to the contract.</li><li>. The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.</li></ul>

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the

Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	01/21/2022
2	02/11/2022
3	02/25/2022
4	03/25/2022
5	04/08/2022
6	04/15/2022
7	04/29/2022
8	05/06/2022
9	06/03/2022
10	06/10/2022
11	07/15/2022

CARP0004-004 06/01/2019

REMAINDER OF STATE

	Rates	Fringes
CARPENTER ( Piledriver).....	\$ 27.62	20.59

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 CARP0004-005 06/01/2018

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes
CARPENTER (Piledriver).....	\$ 30.50	27.28

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 ELEC0017-005 06/01/2021

STATEWIDE

	Rates	Fringes
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Line Construction

Groundman/Driver.....	\$ 29.11	7.20+32%
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers.	\$ 42.55	7.20+32%
Journeyman Specialist.....	\$ 48.93	7.20+32%
Operator A.....	\$ 35.96	7.20+32%
Operator B.....	\$ 33.57	7.20+32%

## Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.

Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.

Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

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ENGI0324-003 06/01/2021

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 49.02	24.85
GROUP 3.....	\$ 46.52	24.85
GROUP 4.....	\$ 47.52	24.85
GROUP 5.....	\$ 45.02	24.85
GROUP 6.....	\$ 46.02	24.85
GROUP 7.....	\$ 44.75	24.85
GROUP 8.....	\$ 45.75	24.85
GROUP 9.....	\$ 44.30	24.85
GROUP 10.....	\$ 45.30	24.85
GROUP 11.....	\$ 43.57	24.85
GROUP 12.....	\$ 44.57	24.85
GROUP 13.....	\$ 43.21	24.85
GROUP 14.....	\$ 44.21	24.85
GROUP 15.....	\$ 42.57	24.85
GROUP 16.....	\$ 39.37	24.85

GROUP 17.....	\$ 24.89	12.00
GROUP 18.....	\$ 28.38	12.00

#### FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

#### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib 120' or longer

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

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ENGI0324-004 06/01/2021

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 44.75	24.85
GROUP 3.....	\$ 43.21	24.85
GROUP 4.....	\$ 39.37	24.85
GROUP 5.....	\$ 24.89	12.00
GROUP 6.....	\$ 28.38	12.00
AREA 2		
GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 44.75	24.85
GROUP 3.....	\$ 43.21	24.85
GROUP 4.....	\$ 39.37	24.85
GROUP 5.....	\$ 24.89	12.00
GROUP 6.....	\$ 28.38	12.00

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: \$1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: \$3.00 additional to the group 1 rate.

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.



POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

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ENGI0324-005 09/01/2021

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
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OPERATOR: Power Equipment  
(Underground construction  
(including sewer))

AREA 1:

GROUP 1.....	\$ 37.63	24.85
GROUP 2.....	\$ 32.90	24.85
GROUP 3.....	\$ 32.17	24.85
GROUP 4.....	\$ 31.60	24.85
GROUP 5.....	\$ 23.15	12.05

AREA 2:

GROUP 1.....	\$ 35.92	24.85
GROUP 2.....	\$ 31.03	24.85
GROUP 3.....	\$ 30.53	24.85
GROUP 4.....	\$ 30.25	24.85
GROUP 5.....	\$ 23.15	12.05

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller); Vac Truck and End dump operator;

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-1/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Hydraulic pipe pushing machine; Mulching equipment; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service); Vibrating compaction equipment, self-propelled (6 ft. wide or over); Sweeper (Wayne type); Water wagon and Extend-a boom forklift

## Group 5: Fire Person, Oiler

\* ENGI0324-006 06/01/2022

GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW, WAYNE, ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
GROUP 1.....	\$ 38.86	24.85
GROUP 2.....	\$ 32.13	24.85
GROUP 3.....	\$ 31.57	24.85
GROUP 4.....	\$ 31.40	24.85

### POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self-propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self-propelled);

Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan; Vacuum truck operator; Batch Plant (concrete dry batch); Concrete Saw Operator (40h.p. or over; Tractor Operator (farm type); Finishing Machine Operator (concrete); Grader Operator (self-propelled fine grade or form (concrete)).

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Greese Truck; Air Compressor Operator (600 cu.ft. per min or more); Air Compressor Operator (two or more, less than 600 cfm);

GROUP 3: Boiler fire tender; Tractor operator (farm type with attachment); Concrete Breaker; Wagon Drill Operator;

GROUP 4: Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Boom or winch hoist truck operator; Endloader operator \*under 1 yd. capacity); Roller Operator (other than asphalt); Curing equipment operator (self-propelled); Power bin operator; Plant drier (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self-propelled); End dump; Skid Steer.

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 ENGI0324-007 05/01/2022

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift.....	\$ 37.40	24.60
Crane operator, main boom & jib 120' or longer.....	\$ 43.87	24.60
Crane operator, main boom & jib 140' or longer.....	\$ 44.17	24.60
Crane operator, main boom & jib 220' or longer.....	\$ 44.17	24.60

Mechanic with truck and tools.....	\$ 43.00	24.60
Oiler and fireman.....	\$ 35.86	24.60
Regular operator.....	\$ 41.22	24.60

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ENGI0324-008 10/01/2020

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1.....	\$ 35.37	14.31
GROUP 2.....	\$ 33.33	14.31

#### SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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ENGI0325-012 05/01/2022

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
GROUP 1.....	\$ 34.83	24.85
GROUP 2.....	\$ 32.55	24.85

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as ""distribution work,"" starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

Group 1: Backhoe, crane, grader, mechanic, dozer (D-6 equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd. capacity or greater).

GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader). Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service). Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

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IRON0008-007 06/01/2021

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector.....	\$ 23.70	6.95
IRONWORKER		
General contracts		
\$10,000,000 or greater.....	\$ 36.45	27.65
General contracts less		
than \$10,000,000.....	\$ 36.45	27.65

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

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IRON0025-002 06/01/2021

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON,  
CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO,  
ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND,  
MONTMORENCY, OAKLAND, OGE MAW, OSCODA, OTSEGO, PRESQUE ISLE,  
ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA,  
WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector		
Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23).	\$ 24.26	22.11
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne...	\$ 25.48	23.11
IRONWORKER		
Ornamental and Structural...	\$ 36.77	29.03
Reinforcing.....	\$ 32.99	30.76

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IRON0055-005 07/01/2021

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings.....	\$ 23.59	19.35
All other work.....	\$ 31.25	26.90

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IRON0292-003 06/01/2020

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector).....	\$ 31.75	22.84

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IRON0340-001 06/19/2017

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX,  
EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO,  
KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA,  
MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA,  
OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector).....	\$ 24.43	24.67

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LAB00005-006 10/01/2020

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C.....	\$ 17.45	12.75
class b.....	\$ 18.64	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D.....	\$ 16.45	12.75
class a.....	\$ 17.64	12.90

Zone 10

Laborers - hazardous waste  
abatement: (ALGER, BARAGA,  
CHIPPEWA, DELTA, DICKINSON,  
GOGEbic, HOUGHTON, IRON,  
KEWEENAW, LUCE, MACKINAC,



MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES - Zone 11)		
Levels A, B or C.....\$ 23.58	12.90	
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D.....\$ 22.58	12.90	
Laborers - hazardous waste abatement: (ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, IONIA COUNTY (except the city of Portland); KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH AND VAN BUREN COUNTIES - Zone 9)		
Levels A, B or C.....\$ 21.80	12.90	
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D.....\$ 20.80	12.90	
Laborers - hazardous waste abatement: (ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW AND TUSCOLA COUNTIES - Zone 8)		
Levels A, B or C.....\$ 21.39	12.90	
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D.....\$ 20.80	12.90	
Laborers - hazardous waste abatement: (CLINTON, EATON AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)		
Levels A, B or C.....\$ 25.64	12.90	
Work performed in		

conjunction with site preparation not requiring the use of personal protective equipment; Also, Level D.....\$ 24.64	12.90
Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)	
Levels A, B or C.....\$ 24.20	13.80
Work performed in conjunction with site preparation not requiring the use of personal protective equipment; Also, Level D.....\$ 23.20	13.80
Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEЕ COUNTIES - Zone 4)	
Levels A, B or C.....\$ 25.17	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment; Also, Level D.....\$ 24.17	12.90
Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)	
Levels A, B or C.....\$ 29.93	14.20
Work performed in conjunction with site preparation not requiring the use of personal protective equipment; Also, Level D.....\$ 28.93	14.20
Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)	
Levels A, B or C.....\$ 29.93	16.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment; Also, Level D.....\$ 28.93	16.90

Laborers - hazardous waste  
abatement: (MONROE COUNTY -  
Zone 4)

Levels A, B or C.....\$ 31.75 14.90

Work performed in  
conjunction with site  
preparation not requiring  
the use of personal  
protective equipment;

Also, Level D.....\$ 31.75 14.90

Laborers - hazardous waste  
abatement: (OAKLAND COUNTY  
and the Northeast portion of  
LIVINGSTON COUNTY bordered by  
Oak Grove Road on the West  
and M-59 on the South - Zone  
2)

Level A, B, C.....\$ 29.93 16.90

Work performed in  
conjunction with site  
preparation not requiring  
the use of personal  
protective equipment;

Also, Level D.....\$ 28.93 16.90

Laborers - hazardous waste  
abatement: (SANILAC AND ST.  
CLAIR COUNTIES - Zone 5)

Levels A, B or C.....\$ 25.75 16.35

Work performed in  
conjunction with site  
preparation not requiring  
the use of personal  
protective equipment;

Also, Level D.....\$ 24.75 16.35

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LAB00259-001 09/01/2021

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA,  
BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,  
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,  
DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND  
TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA,  
IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,  
KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE,  
MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE,  
MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON,  
NEWAYGO, OCEANA, OGEAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO,  
OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST.  
JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN,

# WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1.....	\$ 23.62	16.95
GROUP 2.....	\$ 23.73	19.95
GROUP 3.....	\$ 23.79	16.95
GROUP 4.....	\$ 23.97	16.95
GROUP 5.....	\$ 24.22	16.95
GROUP 6.....	\$ 24.55	16.95
GROUP 7.....	\$ 17.83	16.95
AREA 2		
GROUP 1.....	\$ 25.15	12.95
GROUP 2.....	\$ 25.24	12.95
GROUP 3.....	\$ 25.34	12.95
GROUP 4.....	\$ 25.50	12.95
GROUP 5.....	\$ 25.76	12.95
GROUP 6.....	\$ 26.07	12.95
GROUP 7.....	\$ 18.34	12.95

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquifers, reservoirs, missile silos and steel sheeting for underground construction.

## TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

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LAB00334-001 09/01/2021

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1.....	\$ 23.47	16.95
GROUP 2.....	\$ 23.58	16.95
GROUP 3.....	\$ 23.63	16.95
GROUP 4.....	\$ 23.71	16.95
GROUP 5.....	\$ 23.77	16.95
GROUP 6.....	\$ 21.22	16.95
GROUP 7.....	\$ 17.84	16.95
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1.....	\$ 24.80	12.95
GROUP 2.....	\$ 24.91	12.95
GROUP 3.....	\$ 25.03	12.95
GROUP 4.....	\$ 25.10	12.95
GROUP 5.....	\$ 25.25	12.95
GROUP 6.....	\$ 22.55	12.95
GROUP 7.....	\$ 19.19	12.95
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND LENAWEE COUNTIES; LIVINGSTON COUNTY (west of M-151 Oak Grove Rd.); SANILAC, ST. CLAIR AND		

SHIAWASSEE COUNTIES:

GROUP 1.....	\$ 22.99	12.95
GROUP 2.....	\$ 23.13	12.95
GROUP 3.....	\$ 23.25	12.95
GROUP 4.....	\$ 23.30	12.95
GROUP 5.....	\$ 23.44	12.95
GROUP 6.....	\$ 20.74	12.95
GROUP 7.....	\$ 17.89	12.95

ZONE 4 - ALCONA, ALLEGAN,  
ALPENA, ANTRIM, ARENAC,  
BARRY, BAY, BENZIE,  
BERRIEN, BRANCH,  
CALHOUN, CASS, CHARLEVOIX,  
CHEBOYGAN, CLARE,  
CRAWFORD, EMMET,  
GLADWIN, GRAND TRAVERSE,  
GRATIOT AND HURON  
COUNTIES; IONIA COUNTY  
(EXCEPT THE CITY OF  
PORTLAND); IOSCO,  
ISABELLA, KALAMAZOO,  
KALKASKA, KENT,  
LAKE, LEELANAU, MANISTEE,  
MASON, MECOSTA, MIDLAND,  
MISSAUKEE, MONTCALM,  
MONTMORENCY, MUSKEGON,  
NEWAYGO, OCEANA, OGEMAW,  
OSCEOLA, OSCODA, OTSEGO,  
OTTAWA, PRESQUE ISLE,  
ROSCOMMON, SAGINAW, ST.  
JOSEPH, TUSCOLA, VAN BUREN  
AND WEXFORD COUNTIES:

GROUP 1.....	\$ 22.02	12.95
GROUP 2.....	\$ 22.15	12.95
GROUP 3.....	\$ 22.26	12.95
GROUP 4.....	\$ 22.33	12.95
GROUP 5.....	\$ 22.45	12.95
GROUP 6.....	\$ 19.67	12.95
GROUP 7.....	\$ 18.01	12.95

ZONE 5 - ALGER, BARAGA,  
CHIPPEWA, DELTA,  
DICKINSON, GOGEBIC,  
HOUGHTON, IRON,  
KEWEENAW, LUCE, MACKINAC,  
MARQUETTE, MENOMINEE,  
ONTONAGON AND SCHOOLCRAFT  
COUNTIES:

GROUP 1.....	\$ 22.24	12.95
GROUP 2.....	\$ 22.38	12.95
GROUP 3.....	\$ 22.51	12.95

GROUP 4.....	\$ 22.56	12.95
GROUP 5.....	\$ 22.61	12.95
GROUP 6.....	\$ 19.99	12.95
GROUP 7.....	\$ 18.10	12.95

#### SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

#### OPEN CUT LABORER CLASSIFICATIONS

##### GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

##### GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate

or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

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\* LAB00465-001 06/01/2022

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1.....	\$ 32.02	13.95
GROUP 2.....	\$ 32.15	13.95
GROUP 3.....	\$ 32.33	13.95
GROUP 4.....	\$ 32.41	13.95
GROUP 5.....	\$ 32.62	13.95
GROUP 6.....	\$ 32.92	13.95
LABORER (AREA 2)		
GROUP 1.....	\$ 26.92	12.90



GROUP 2.....	\$ 27.12	12.90
GROUP 3.....	\$ 27.36	12.90
GROUP 4.....	\$ 27.71	12.90
GROUP 5.....	\$ 27.58	12.90
GROUP 6.....	\$ 27.92	12.90
LABORER (AREA 3)		
GROUP 1.....	\$ 26.22	12.90
GROUP 2.....	\$ 26.43	12.90
GROUP 3.....	\$ 26.72	12.90
GROUP 4.....	\$ 27.16	12.90
GROUP 5.....	\$ 26.78	12.90
GROUP 6.....	\$ 27.21	12.90
LABORER (AREA 4)		
GROUP 1.....	\$ 26.22	12.90
GROUP 2.....	\$ 26.43	12.90
GROUP 3.....	\$ 26.72	12.90
GROUP 4.....	\$ 27.16	12.90
GROUP 5.....	\$ 26.78	12.90
GROUP 6.....	\$ 27.21	12.90

#### LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing, (other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender (including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders;

guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

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LAB01076-005 04/01/2022

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1.....	\$ 25.17	13.32
Zone 2.....	\$ 23.47	13.40
Zone 3.....	\$ 21.60	13.45
Zone 4.....	\$ 20.97	13.43
Zone 5.....	\$ 21.00	13.40

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: \$.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne

Zone 2 - Monroe and Washtenaw

Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair

Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft

Zone 5 - Remaining Counties in Michigan

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PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER.....	\$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, \$0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, \$0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, \$0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, \$0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, \$0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, \$0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, \$0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, \$1.25 per hour additional.

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PAIN0312-001 06/01/2018

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes
PAINTER		
Brush and roller.....	\$ 23.74	13.35
Spray, Sandblast, Sign		
Painting.....	\$ 24.94	13.35

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PAIN0845-003 05/10/2018

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER.....	\$ 25.49	13.74

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PAIN0845-015 05/10/2018

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER.....	\$ 25.49	13.74

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PAIN0845-018 05/10/2018

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
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PAINTER.....\$ 25.49 13.74

FOOTNOTES: Lead abatement work: \$1.00 per hour additional.

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PAIN1011-003 06/02/2021

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON,  
IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON  
AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
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PAINTER.....	\$ 26.71	14.38
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FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to  
80 ft.: \$.65 per hour additional. 80 ft. and over: \$1.30  
per hour additional.

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PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR,  
SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
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PAINTER.....	\$ 23.79	12.02
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FOOTNOTES: Lead abatement work: \$1.00 per hour additional.  
Work with any hazardous material: \$1.00 per hour  
additional. Sandblasting, steam cleaning and acid cleaning:  
\$1.00 per hour additional. Ladder work at or above 40 ft.,  
scaffold work at or above 40 ft., swing stage, boatswain  
chair, window jacks and all work performed over a falling  
height of 40 ft.: \$1.00 per hour additional. Spray gun  
work, pick pullers and those handling needles, blowing off  
by air pressure, and any person rigging (setting up and  
moving off the ground): \$1.00 per hour additional.  
Steeplejack, tanks, gas holders, stacks, flag poles, radio  
towers and beacons, power line towers, bridges, etc.: \$1.00  
per hour additional, paid from the ground up.

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PAIN1803-003 06/01/2019

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX,  
CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE,

GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial plants.....	\$ 25.39	14.68
All other work, including maintenance of industrial plant.....	\$ 25.39	14.68

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: \$1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: \$1.25 per hour additional.

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PLAS0514-001 06/01/2018

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE,

ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST.  
JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 31.47	13.81
ZONE 2.....	\$ 29.97	13.81

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PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY,  
BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,  
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,  
DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND  
TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA,  
IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,  
KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE,  
MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA,  
MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE,  
MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA,  
OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST.  
CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA,  
VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline:		
Welding in conjunction with gas distribution pipeline work.....	\$ 33.03	20.19
All other work:.....	\$ 24.19	12.28

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TEAM0007-004 06/01/2020

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA,  
BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,  
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,  
DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE,  
GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO,  
IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW,  
LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE,  
MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE,  
MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW,  
ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE,  
ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST.  
CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW  
AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
AREA 1		
Euclids, double bottoms and lowboys.....	\$ 28.05	.50 + a+b
Trucks under 8 cu. yds.....	\$ 27.80	.50 + a+b
Trucks, 8 cu. yds. and over.....	\$ 27.90	.50 + a+b
AREA 2		
Euclids, double bottomms and lowboys.....	\$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys.....	\$ 28.15	.50 + a+b
Trucks under 8 cu. yds.....	\$ 27.90	.50 + a+b
Trucks, 8 cu. yds. and over.....	\$ 28.00	.50 + a+b

Footnote:

a. \$470.70 per week

b. \$68.70 daily

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TEAM0247-004 04/01/2013

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA,  
BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,  
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,  
DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE,  
GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO,  
IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW,  
LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE,  
MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE,  
MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW,  
ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE,  
ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST.  
CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND,  
WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
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Sign Installer

AREA 1



GROUP 1.....	\$ 21.78	11.83
GROUP 2.....	\$ 25.27	11.8375
AREA 2		
GROUP 1.....	\$ 22.03	11.83
GROUP 2.....	\$ 25.02	11.8375

FOOTNOTE:

a. \$132.70 per week, plus \$17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2018

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1.....	\$ 23.82	19.04
GROUP 2.....	\$ 23.91	19.04
GROUP 3.....	\$ 24.12	19.04
AREA 2		
GROUP 1.....	\$ 24.12	19.04
GROUP 2.....	\$ 24.26	19.04
GROUP 3.....	\$ 24.45	19.04

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention,

oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

#### TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

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\* SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person.....	\$ 10.10 **	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)....	\$ 22.89	13.45
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE).....	\$ 20.19	13.45
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1.....	\$ 30.52	13.45
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2.....	\$ 27.47	13.45
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE,		

OAKLAND, WASHTENAW AND WAYNE  
COUNTIES)

Group 1.....	\$ 26.92	13.45
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Pavement Marking Machine  
(ZONE 2: STATEWIDE (EXCLUDING  
GENESEE, MACOMB, MONROE,  
OAKLAND, WASHTENAW AND WAYNE)

Group 2.....	\$ 24.23	13.45
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WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted  
striper, grinder, blaster, groover, or thermoplastic melter  
for the placement or removal of temporary or permanent  
pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for  
the placement or removal of temporary or permanent pavement  
markings or markers not covered by the classification of  
Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or  
removal of temporary or permanent pavement markings or  
markers in a moving convoy operation not performed by the  
classification of Pavement Marker Group 1. A moving convoy  
operation is comprised of only Pavement Markers Group 1 and  
Line Protectors.

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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\*\* Workers in this classification may be entitled to a higher  
minimum wage under Executive Order 14026 (\$15.00) or 13658  
(\$11.25). Please see the Note at the top of the wage  
determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave  
for Federal Contractors applies to all contracts subject to the  
Davis-Bacon Act for which the contract is awarded (and any  
solicitation was issued) on or after January 1, 2017. If this  
contract is covered by the EO, the contractor must provide  
employees with 1 hour of paid sick leave for every 30 hours  
they work, up to 56 hours of paid sick leave each year.  
Employees must be permitted to use paid sick leave for their  
own illness, injury or other health-related needs, including

preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

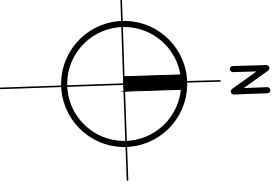
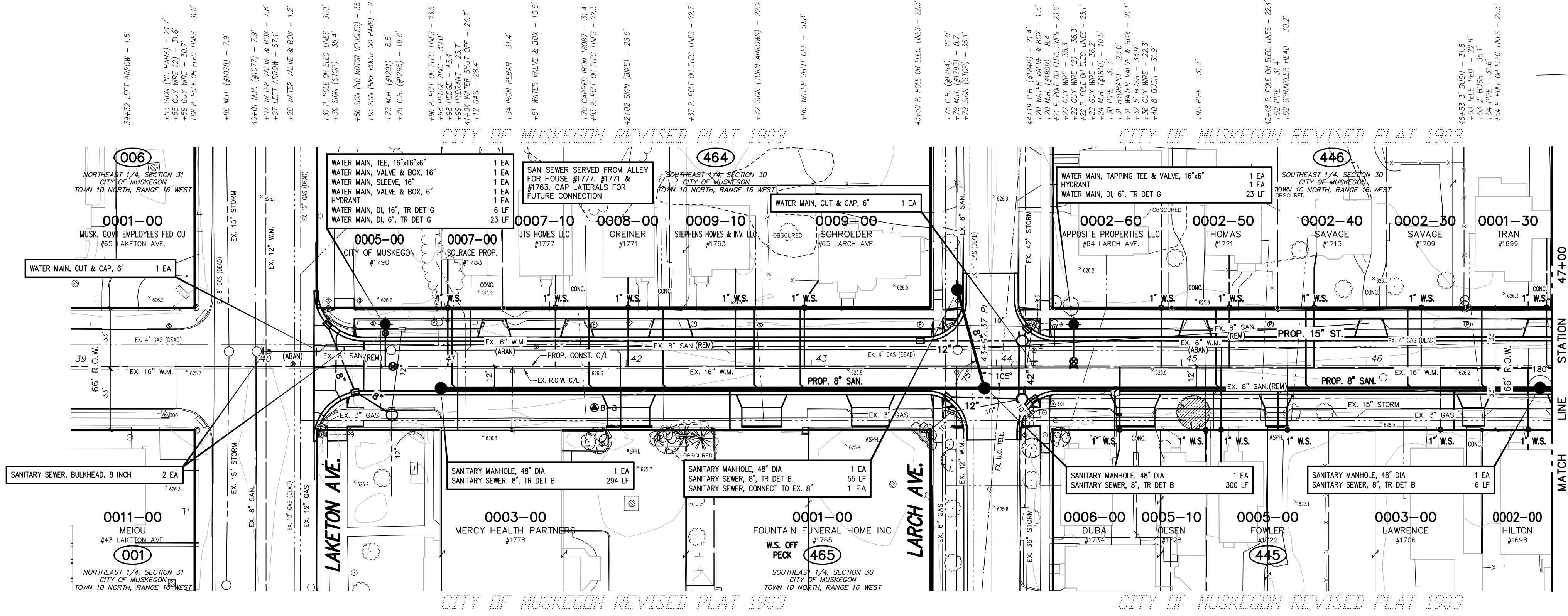
Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

CONTROL POINT TABLE			
POINT No.	NORTHING	EASTING	ELEVATION
300	632295.004	1282295.300	625.88
301	633707.125	1282295.300	625.49



#### TOPOGRAPHY TEXT NOTE

TOPOGRAPHY TEXT STATIONS AND OFFSETS BASED ON SECTION LINE WHICH IS INDEPENDENT OF CONSTRUCTION CENTERLINE.

#### SANITARY LATERAL TOTALS (THIS SHEET)

SANITARY SEWER, WYE, 8 INCH X 6 INCH	16 EA
SANITARY LATERAL, 6 INCH	558 LF
SANITARY LATERAL, CONNECTION TO EX.	13 EA

#### WATER SERVICE TOTALS (THIS SHEET)

WATER SERVICE, CORPORATION STOP, 1 INCH	16 EA
WATER SERVICE, CURB STOP AND BOX, 1 INCH	16 EA
WATER SERVICE, 1 INCH	840 LF
WATER SERVICE, CONNECTION TO EX.	16 EA
WATER SERVICE, RESTORATION, PRIVATE	13 EA

#### WATER MAIN CONSTRUCTION NOTES

- CONTRACTOR SHALL PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE AND 10' HORIZONTAL CLEARANCE BETWEEN PROPOSED WATER MAIN, AND STORM AND SANITARY SEWERS.
- USE HYDRANT EXTENSIONS OR VERTICAL BENDS ON HYDRANT LEADS TO ENSURE HYDRANT BREAKAWAY FLANGE IS 3'-7" FROM FINISHED GRADE. COST SHALL BE INCLUDED IN THE HYDRANT PAY ITEM.
- SHADED WATER MAIN INDICATES RESTRAINED JOINT WATER MAIN.
- ALL HYDRANTS SHALL BE RESTRAINED TO THE TEE.

#### WATER SERVICE CONSTRUCTION NOTES

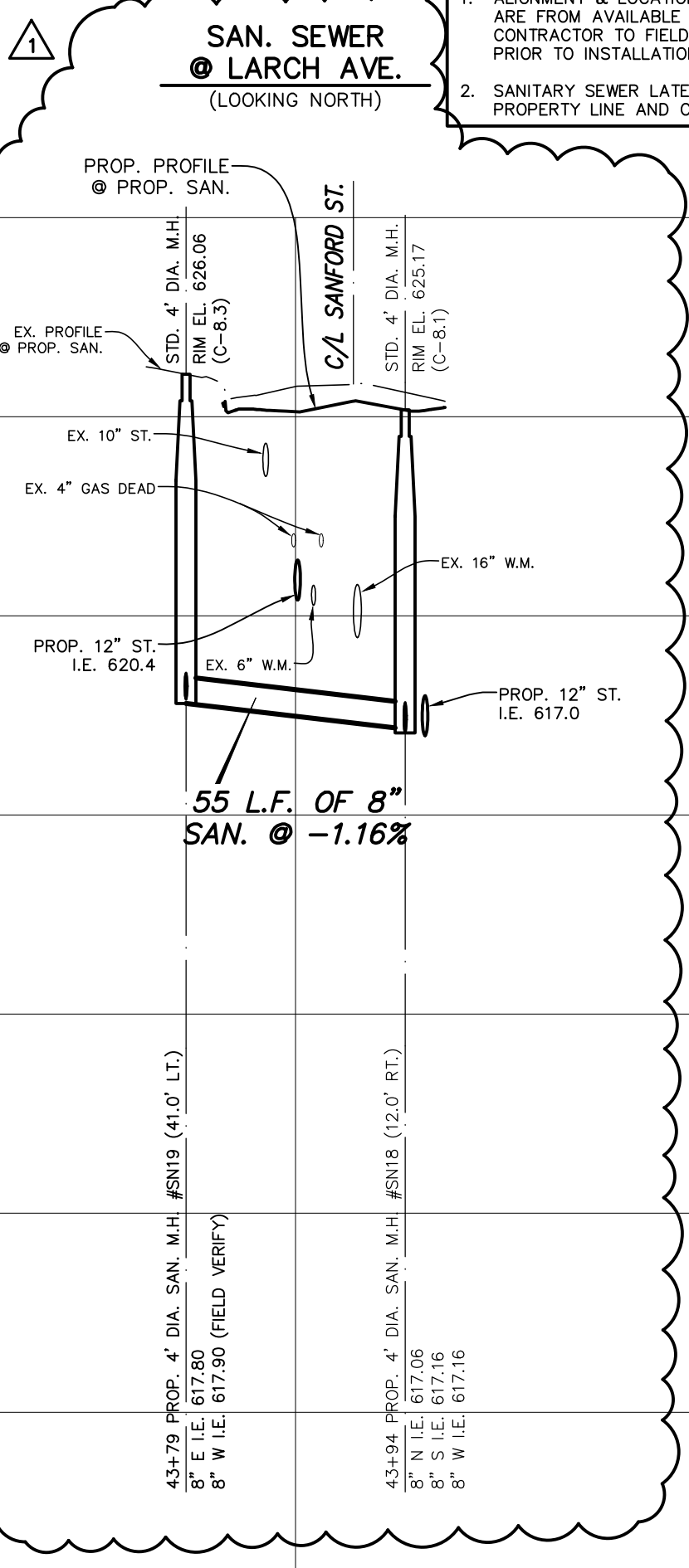
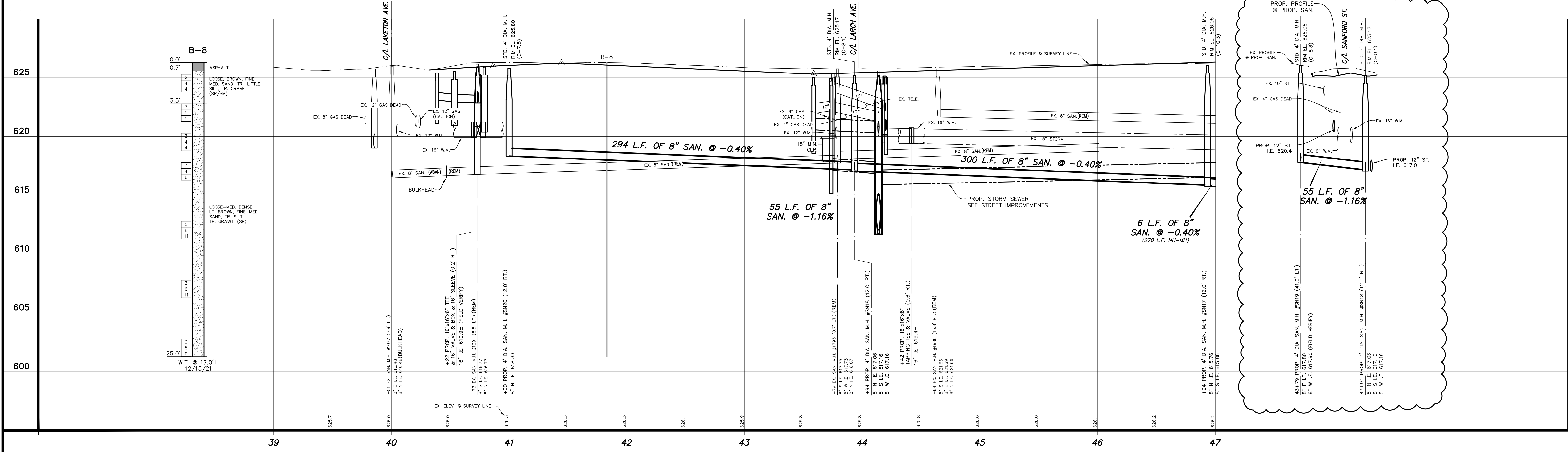
- WATER SERVICES SHOWN ON THE PLANS ARE LOCATED BASED ON RECORDS. ACTUAL LOCATION MAY BE DIFFERENT THAN SHOWN. ALIGNMENT OF EXISTING WATER SERVICES FROM THE CURB STOP BOX TO THE HOUSE IS UNKNOWN AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO REPLACEMENT.
- WATER SERVICES ARE TO BE REPLACED TO THE WATER METER IF THE METER IS LOCATED INSIDE THE RESIDENCE UNLESS NOTED OTHERWISE. WATER SERVICES TO BE REPLACED TO 18 INCHES INSIDE THE RESIDENCES IF THE METER IS LOCATED OUTSIDE. LOCATION OF ENTRY INTO THE RESIDENCE, AND PLUMBING REQUIRED TO CONNECT TO THE EXISTING METER SHALL BE APPROVED BY THE HOME OWNER AND ENGINEER PRIOR TO INSTALLATION. A NEW CURB STOP SHALL BE INSTALLED AT THE PROPERTY LINE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND COMMUNICATE WITH THE PROPERTY OWNER AND RESIDENT FOR ENTRY INTO THE RESIDENCE.
- IF THE WATER SERVICE METER IS LOCATED IN A PIT OUTSIDE THE HOUSE, THE CONTRACTOR SHALL ATTEMPT TO RELOCATE THE METER INTO THE RESIDENCE. RELOCATION SHALL BE COORDINATED WITH THE CITY AND THE PROPERTY OWNER.
- CONTRACTOR TO COORDINATE WITH THE CITY FOR METER REMOVAL AND REINSTALLATION.

#### SANITARY SEWER CONSTRUCTION NOTES

- ALIGNMENT & LOCATION OF EXISTING SANITARY SEWER LATERALS ARE FROM AVAILABLE RECORDS. EXACT LOCATION IS UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION OF SANITARY LATERALS PRIOR TO INSTALLATION OF WYES.
- SANITARY SEWER LATERALS SHALL BE REPLACED TO THE PROPERTY LINE AND CONNECTED TO THE EXISTING LATERAL.

## SANFORD STREET

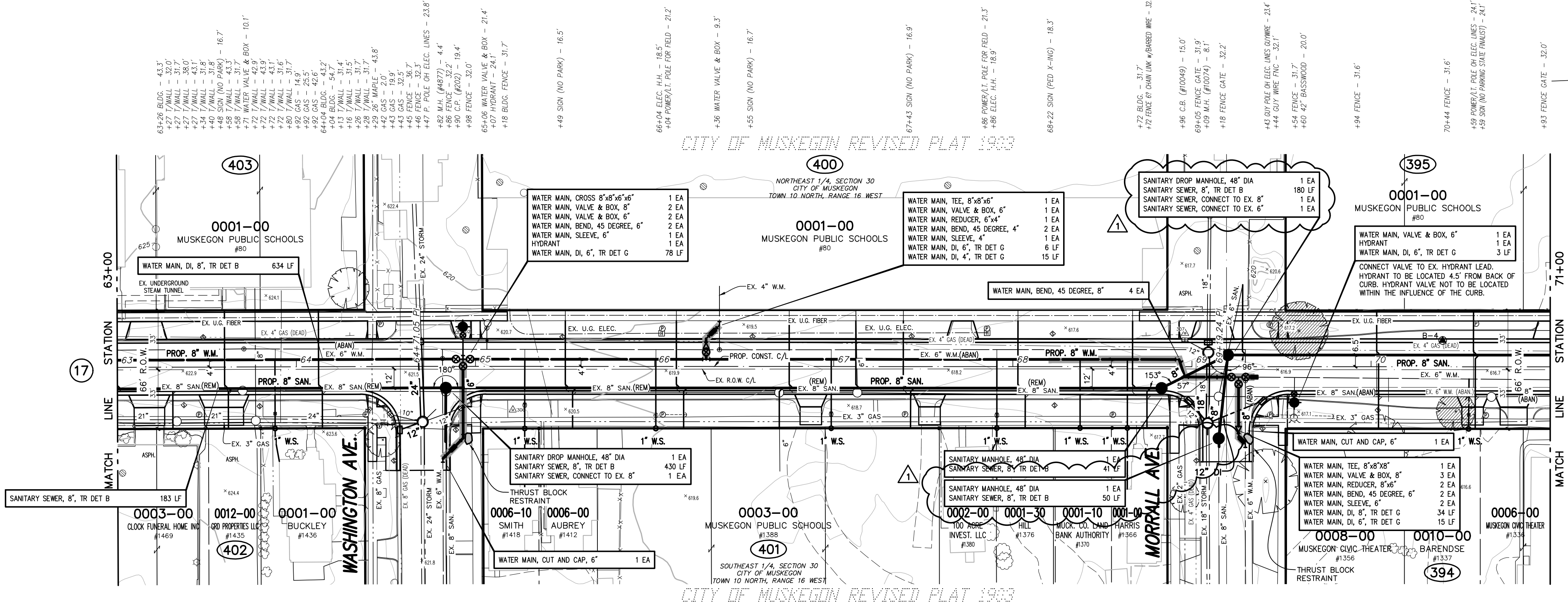
(66' RIGHT OF WAY WIDTH ASPHALT PAVEMENT WIDTH VARIES)





B.M. EL. 622.78  
SANFORD STREET & WASHINGTON AVENUE,  
30± S & 25± E OF C/L "X", RR SPIKE IN  
W SIDE P. POLE

POINT NO.	NORTHING	EASTING	ELEVATION
202	634797.329	12622637.580	625.10
306	634826.103	12622682.420	621.14
307	635202.759	12622654.300	616.94



# TOPOGRAPHY TEXT NOTE

TOPOGRAPHY TEXT STATIONS AND  
OFFSETS BASED ON SECTION LINE  
WHICH IS INDEPENDENT OF  
CONSTRUCTION CENTERLINE.

## SANITARY LATERAL TOTALS (THIS SHEET)

SANITARY SEWER, WYE, 8 INCH x 6 INCH	23 EA
SANITARY LATERAL, 6 INCH	731 LF
SANITARY LATERAL, CONNECTION TO EX.	23 EA

## WATER SERVICE TOTALS (THIS SHEET)

WATER SERVICE, CORPORATION STOP, 1 INCH	8 EA
WATER SERVICE, CURB STOP AND BOX, 1 INCH	8 EA
WATER SERVICE, 1 INCH	300 LF
WATER SERVICE, METER	3 EA
WATER SERVICE, CONNECTION TO EX.	8 EA
WATER SERVICE, RESTORATION, PRIVATE	4 EA

## WATER MAIN CONSTRUCTION NOTES

- CONTRACTOR SHALL PROVIDE A MINIMUM OF 18" VERTICAL CLEARANCE AND 10' HORIZONTAL CLEARANCE BETWEEN PROPOSED WATER MAIN, AND STORM AND SANITARY SEWERS.
- USE HYDRANT EXTENSIONS OR VERTICAL BENDS ON HYDRANT LEADS TO ENSURE HYDRANT BREAKAWAY FLANGE IS 3' +/- FROM FINISHED GRADE. COST SHALL BE INCLUDED IN THE HYDRANT PAY ITEM.
- SHADED WATER MAIN INDICATES RESTRAINED JOINT WATER MAIN.
- ALL HYDRANTS SHALL BE RESTRAINED TO THE TEE.

## WATER SERVICE CONSTRUCTION NOTES

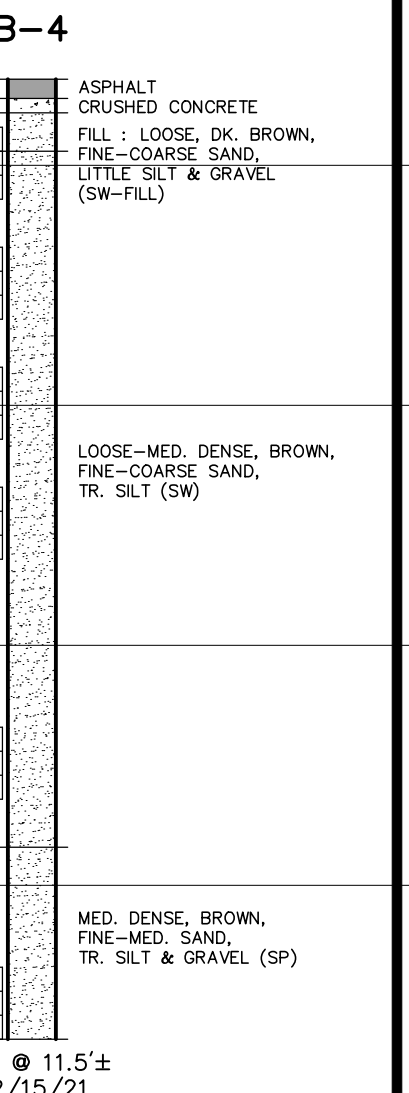
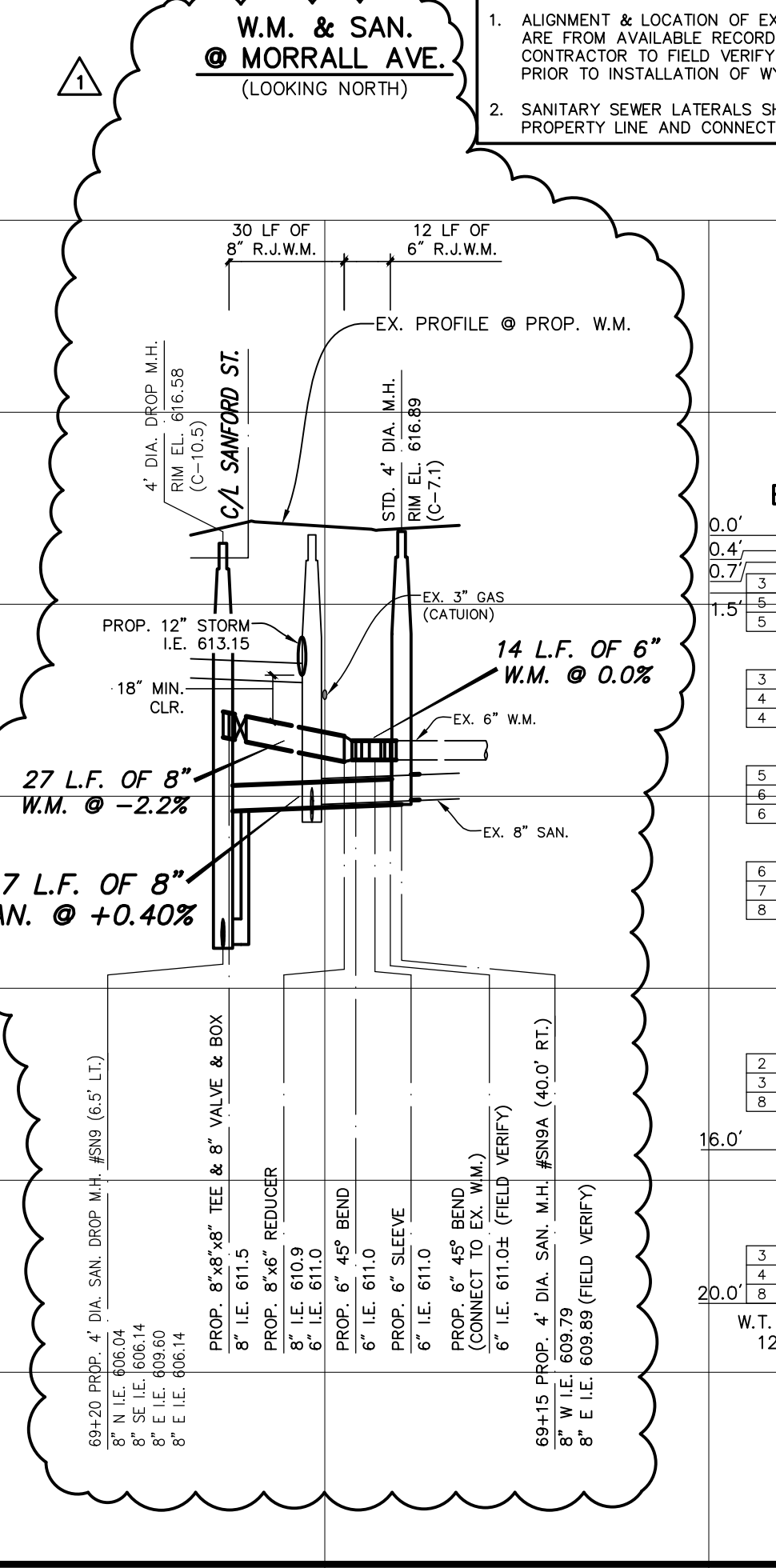
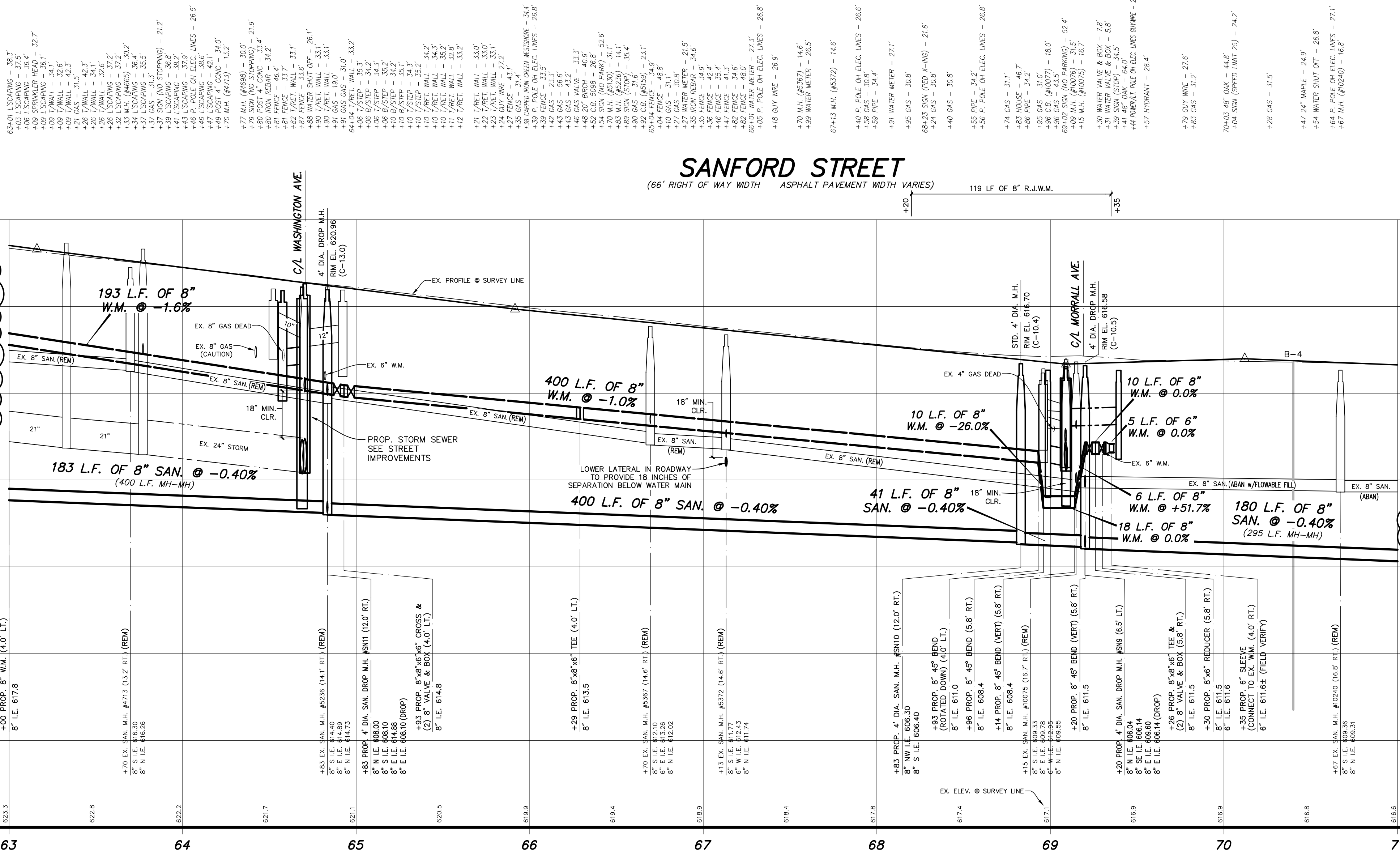
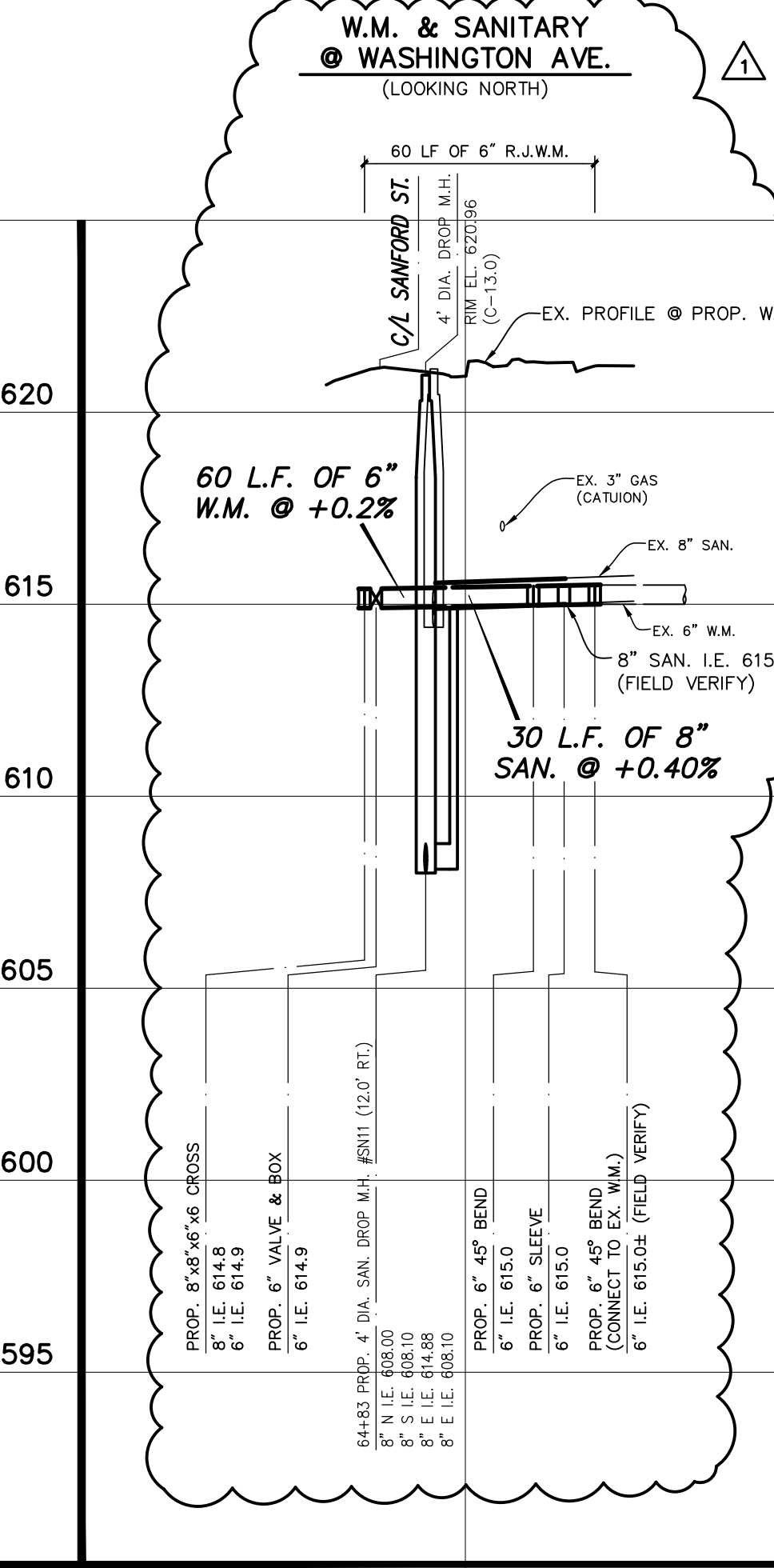
- WATER SERVICES SHOWN ON THE PLANS ARE LOCATED BASED ON RECORDS. ACTUAL LOCATION MAY BE DIFFERENT THAN SHOWN. ALIGNMENT OF EXISTING WATER SERVICES FROM THE CURB STOP BOX TO THE HOUSE IS UNKNOWN AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO REPLACEMENT.
- WATER SERVICES ARE TO BE REPLACED TO THE WATER METER IF THE METER IS LOCATED INSIDE THE RESIDENCE UNLESS NOTED OTHERWISE. WATER SERVICES TO BE REPLACED TO 18 INCHES INSIDE THE RESIDENCES IF THE METER IS LOCATED OUTSIDE. LOCATION OF ENTRY INTO THE RESIDENCE, AND PLUMBING REQUIRED TO CONNECT TO THE EXISTING METER SHALL BE APPROVED BY THE HOME OWNER AND ENGINEER PRIOR TO INSTALLATION. A NEW CURB STOP SHALL BE INSTALLED AT THE PROPERTY LINE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND COMMUNICATE WITH THE PROPERTY OWNER AND RESIDENT FOR ENTRY INTO THE RESIDENCE.
- IF THE WATER SERVICE METER IS LOCATED IN A PIT OUTSIDE THE HOUSE, THE CONTRACTOR SHALL ATTEMPT TO RELOCATE THE METER INTO THE RESIDENCE. RELOCATION SHALL BE COORDINATED WITH THE CITY AND THE PROPERTY OWNER.
- CONTRACTOR TO COORDINATE WITH THE CITY FOR METER REMOVAL AND REINSTALLATION.

## SANITARY SEWER CONSTRUCTION NOTES

- ALIGNMENT & LOCATION OF EXISTING SANITARY SEWER LATERALS ARE FROM AVAILABLE RECORDS. EXACT LOCATION IS UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION OF SANITARY LATERALS PRIOR TO INSTALLATION OF WYES.
- SANITARY SEWER LATERALS SHALL BE REPLACED TO THE PROPERTY LINE AND CONNECTED TO THE EXISTING LATERAL.

# SANFORD STREET

(66' RIGHT OF WAY WIDTH ASPHALT PAVEMENT WIDTH VARIES)



UTILITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETTED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

SCALES: 1" = 40' HORZ. (CONTOURS AT ONE FOOT INTERVALS)  
1" = 4' VERT.

NO.	REVISIONS	BY	DATE	DRAWN
1	ADDENDUM NO. 1	M.R.H.	07/22	J.J.S.
				FEB. '22
				M.R.H.
				APR. '22

**Prein&Newhof**  
Engineers-Surveyors-Environmental-Laboratory

CITY OF MUSKEGON  
MUSKEGON COUNTY, MICHIGAN  
UTILITY IMPROVEMENTS  
CONTRACT NO. 1  
SANFORD STREET

PROJECT NO.  
2211000  
SHEET NO.  
18 OF 42