

**ADDENDUM**

Addendum No. 2

Owner: City of Owosso  
Project: 2018 Street Project – Contract 1  
Engineer: City of Owosso / Fleis & Vandenbrink

**NOTICE TO ALL PROSPECTIVE BIDDERS**

BIDS DUE: April 3, 2018

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This Addendum is a part of the Contract Documents and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the "Signature Page and Legal Status" section of the Bid Proposal. Failure to do so may result in rejection of the Bid.

ITEM NO. 1:

Section: **Construction Plans** [Title] **Sheets HN3, HN5, and HN7 Revisions**

Remove Sheets HN3, HN5, and HN7 of the Construction Plans and replace with the attached Sheets HN3, HN5, and HN7, revised dated March 29, 2018.

Sheet HN7:

Changes have been made to the proposed water main from Marion Street to the north end between Sta. 20+90 and Sta. 27+12. It is desired to install 560 LF of 8-inch PVC water main by directional drilling as opposed to open cut along this stretch. Directional drilling will reduce installation conflicts with the existing trees, mailboxes, driveways, and landscaping. The water main alignment has been moved easterly to 5-feet off the right-of-way line to provide additional space between the new water main and curb for service lead installation. All existing trees and landscaping shall be protected to the extent possible. Contractor shall minimize disturbance to the existing landscaping along the curb between Sta. 24+50 and Sta. 25+25 during construction.

Sheet HN3:

Changes have been made to remove indication of driveway removals along route where water main installation by directional drilling is now proposed.

Sheet HN5:

Changes have been made to remove indication of driveway replacement along route where water main installation by directional drilling is now proposed.

END OF ITEM NO. 1

ITEM NO. 2:

Section: **Bid Documents** [Title] **Bid Proposal**

Remove the BID Proposal in entirety and replace with the attached revised Bid Proposal dated March 29, 2018.

Quantity changes have been made to Items 5, 30, 31, 39, 43, 44, 106, 107, and 139 as a result of Addendum No. 1, Addendum No. 2, and to correct previous quantity omissions.

As-directed tree removal items have been added as Items 140 and 141. Tree removal shall only be completed as directed by the City of Owosso.

END OF ITEM NO. 2

ITEM NO. 3:

Section: **Specs** [Title] **Conditions of Water Supply Permit #181022**

Add the attached Water Supply System Permit Special Conditions to the project specifications. Contractor will be required to comply with these conditions of the permit.

END OF ITEM NO. 3

ITEM NO. 4:

Section: **N/A** [Title] **Responses to Contractor Inquires**

Below are the Owner's responses to the contractor inquires received prior to 3/30/18.

- Q1:** On Hanover Street there is a fair amount of landscaping in the proposed area for the open cut water main install. Who will be responsible for replacing.
- A1:** *Installation method change to directional drilling will minimize the disturbance to existing landscaping. Contractor will be required to minimize impacts to existing landscaping to the extent possible. The Contractor will not be responsible for replacing landscaping within the road right-of-way that is determined necessary for removal.*
- Q2:** Also the proposed centerline of water main is roughly 5' from back of curb. In the open cut areas its going to be difficult making new service connections without the potential compromise of curb. Should curb replacement be figured as incidental to new service tie-ins?
- A2:** *Watermain along the majority of the area in question has been moved easterly approximately 3 feet as part of the installation method change to directional drilling. This will aid in the installation of service leads and protection of the existing curb.*
- Q3:** There also is several trees that are going to have root damage from open cut install. Is it going to be required to implement some sort of tree protection plan?
- A3:** *Installation method change to directional drilling will minimize the disturbance to existing trees. Contractor will be required to avoid impacts to existing trees.*
- Q4:** Tree removal? It appears that there may be a few trees to remove for some of the water main work in various parts of the project?
- A4:** *New as-directed pay items for tree removal have been added to the BID Proposal as Items 140 and 141. Tree removal shall only be completed as directed by the City of Owosso.*
- Q5:** Material testing? Will a third party be provided by owner?
- A5:** *Quality assurance testing will be completed by the Owner/Engineer.*

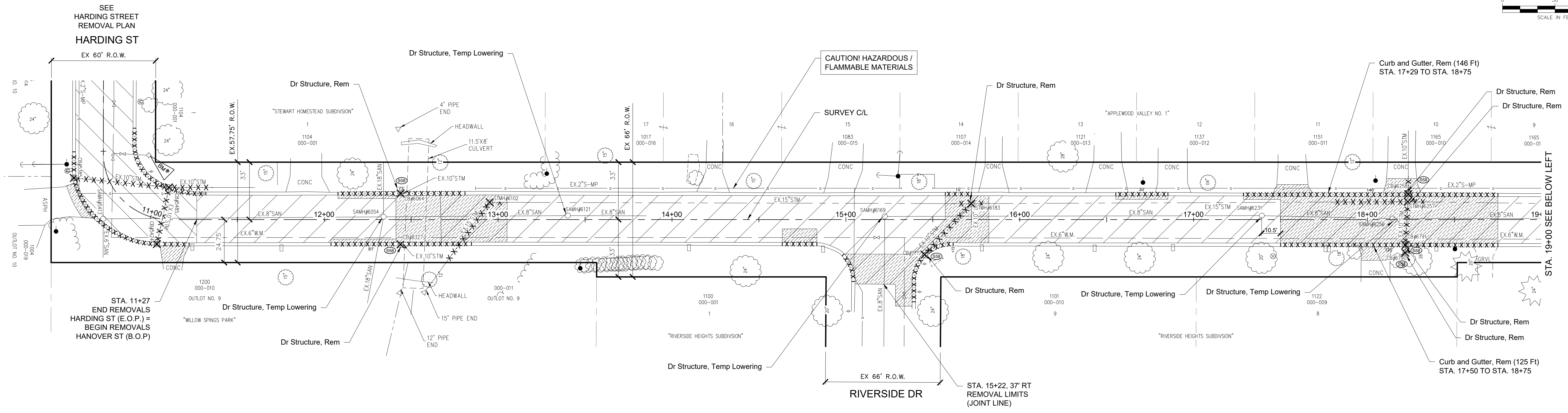
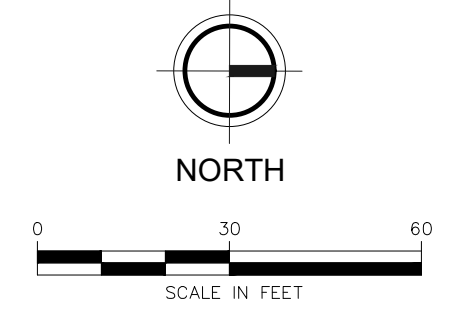
**Q6:** Layout? Owner provided or contractor responsible?

**A6:** *Staking will be provided by the Owner/Engineer. For storm sewer, staking of drainage structures will be provided. For water main, staking of tees, horizontal bends, and alignment will be provided.*

END OF ITEM NO. 4

**END OF ADDENDUM NO. 2**

BM EL 731.70  
TOP OF NORTH HEX NUT OF HYDRANT, NORTH SIDE  
OF HARDING STREET AT HANOVER STREET. (NAVD 88)



- LEGEND**
- XXXXXX Curb and Gutter, Rem
  - X-X-X-X Sewer, Rem
  - XXXXX Dr Structure, Rem
  - ▨ HMA Surface, Rem
  - ▨ Pavt, Rem
  - ▨ Sidewalk, Rem
  - ▨ Excavation Earth (Cost inclusive to Machine Grading, Modified)
  - ⊕ STANDARD SOIL EROSION KEY

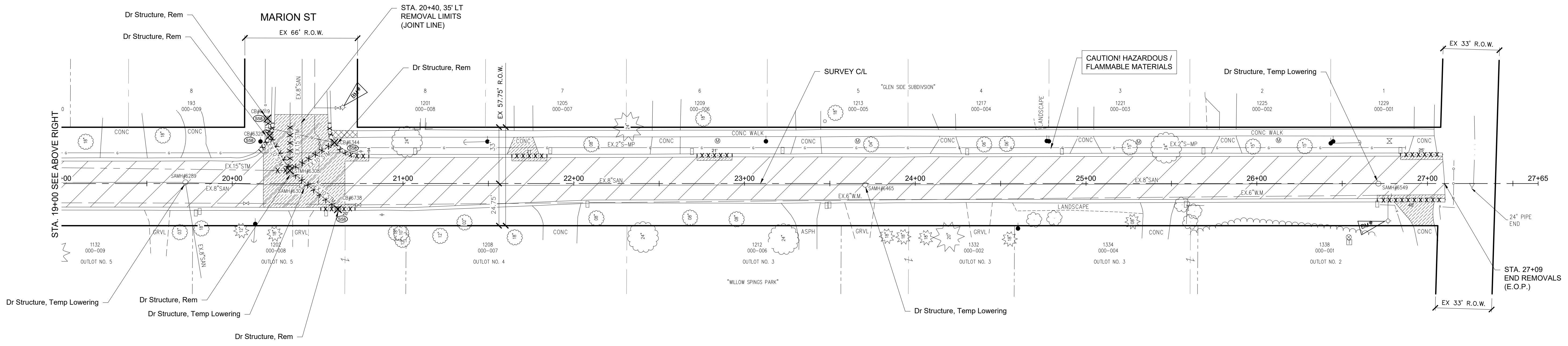
**NOTE:**  
CONTRACTOR SHALL PROVIDE SUFFICIENT PROTECTION FOR BOTH MOTORISTS AND WORKERS THROUGHOUT WORKSITE SO AS TO ALLOW SAFE PASSAGE AROUND WORK AREAS - AS DIRECTED BY THE ENGINEER

**HANOVER STREET**  
REMOVAL PLAN

BM EL 742.69  
TOP OF NORTH HEX NUT OF HYDRANT AT  
NORTHWEST CORNER OF HANOVER STREET AND  
MARION ST. (NAVD 88)

BM EL 744.03  
TOP OF HEX NUT OF HYDRANT, EAST SIDE OF  
HANOVER STREET NEAR END OF STREET. (NAVD 88)

REMOVAL QUANTITIES (THIS SHEET)		
QUANTITY	UNIT	WORK ITEM
4830	Syd	Cold Milling HMA Surface
600	Ft	Saw Cutting
1115	Syd	Pavt, Rem
7	Syd	Sidewalk, Rem
734	Ft	Curb and Gutter, Rem
14	Ea	Dr Structure, Rem
144	Ft	Sewer, Rem, Less than 24 inch
10	Ea	Erosion Control, Intel Protection, Fabric Drop
9	Ea	Dr Structure, Temp Lowering



**HANOVER STREET**  
REMOVAL PLAN



**CITY OF OWOSSO, MICHIGAN**  
**ENGINEERING DIVISION**  
**DEPT. OF PUBLIC SERVICE**

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BY: GJR  
DATE: 3/29/18  
REVISIONS: ADDENDUM NO. 2  
NO. 1

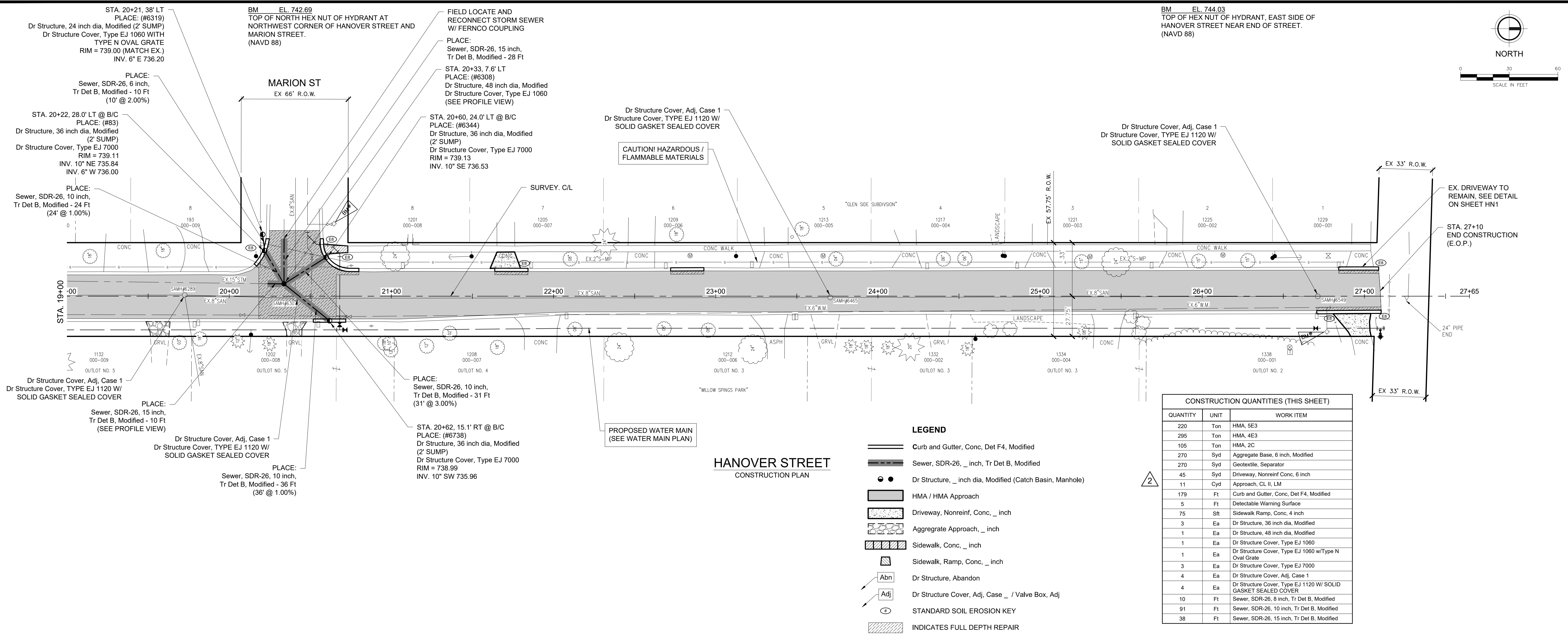
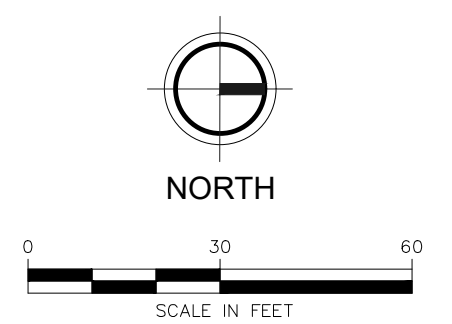
APPROVED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_

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**2018 STREET PROGRAM**  
**HANOVER ST**  
**REMOVAL PLAN**

FIELD BOOK  
PG. \_\_\_\_\_  
MARCH, 2018  
PROJECT NO. 832190

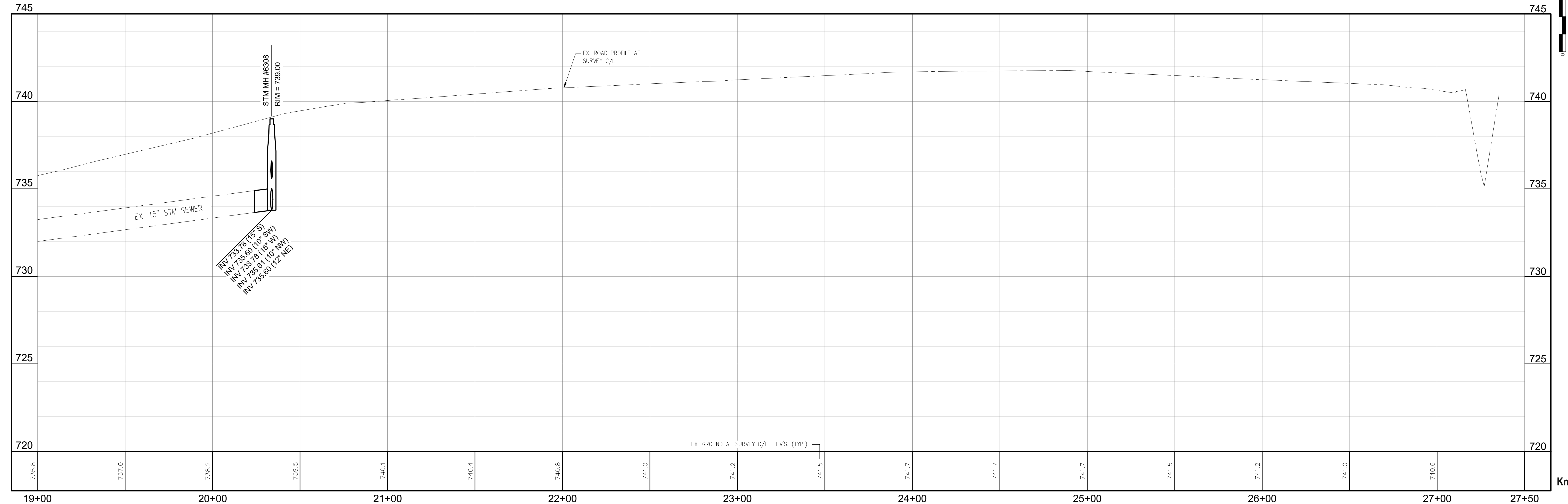
**HN3**



**HANOVER STREET**  
CONSTRUCTION PLAN

- LEGEND**
- Curb and Gutter, Conc, Det F4, Modified
  - Sewer, SDR-26, \_ inch, Tr Det B, Modified
  - Dr Structure, \_ inch dia, Modified (Catch Basin, Manhole)
  - HMA / HMA Approach
  - Driveway, Nonrein, Conc, \_ inch
  - Aggregate Approach, \_ inch
  - Sidewalk, Conc, \_ inch
  - Sidewalk, Ramp, Conc, \_ inch
  - Dr Structure, Abandon
  - Dr Structure Cover, Adj, Case \_ / Valve Box, Adj
  - STANDARD SOIL EROSION KEY
  - INDICATES FULL DEPTH REPAIR

CONSTRUCTION QUANTITIES (THIS SHEET)		
QUANTITY	UNIT	WORK ITEM
220	Ton	HMA, 5E3
295	Ton	HMA, 4E3
105	Ton	HMA, 2C
270	Syd	Aggregate Base, 6 inch, Modified
270	Syd	Geotextile, Separator
45	Syd	Driveway, Nonrein Conc, 6 inch
11	Cyd	Approach, CL II, LM
179	Ft	Curb and Gutter, Conc, Det F4, Modified
5	Ft	Detectable Warning Surface
75	Sft	Sidewalk Ramp, Conc, 4 inch
3	Ea	Dr Structure, 36 inch dia, Modified
1	Ea	Dr Structure, 48 inch dia, Modified
1	Ea	Dr Structure Cover, Type EJ 1060
1	Ea	Dr Structure Cover, Type EJ 1060 w/Type N Oval Grate
3	Ea	Dr Structure Cover, Type EJ 7000
4	Ea	Dr Structure Cover, Adj, Case 1
4	Ea	Dr Structure Cover, Type EJ 1120 W/ SOLID GASKET SEALED COVER
10	Ft	Sewer, SDR-26, 8 inch, Tr Det B, Modified
91	Ft	Sewer, SDR-26, 10 inch, Tr Det B, Modified
38	Ft	Sewer, SDR-26, 15 inch, Tr Det B, Modified



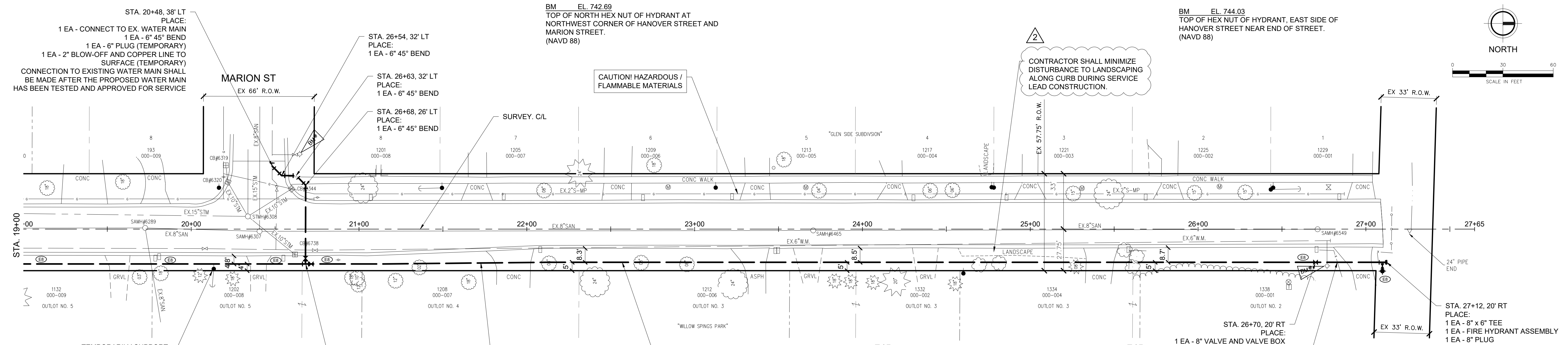
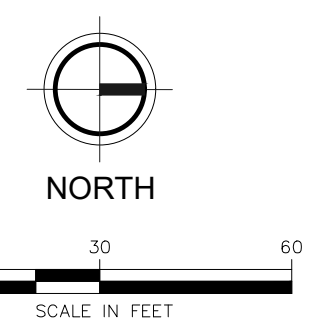
**2018 STREET PROGRAM**  
HANOVER ST  
ROAD PLAN AND PROFILE

MARCH, 2018  
PROJECT NO. 832190

FIELD BOOK  
PG.

NO.	REVISIONS	DATE	BY	GLR
1	ADDENDUM NO. 2	3/29/18		

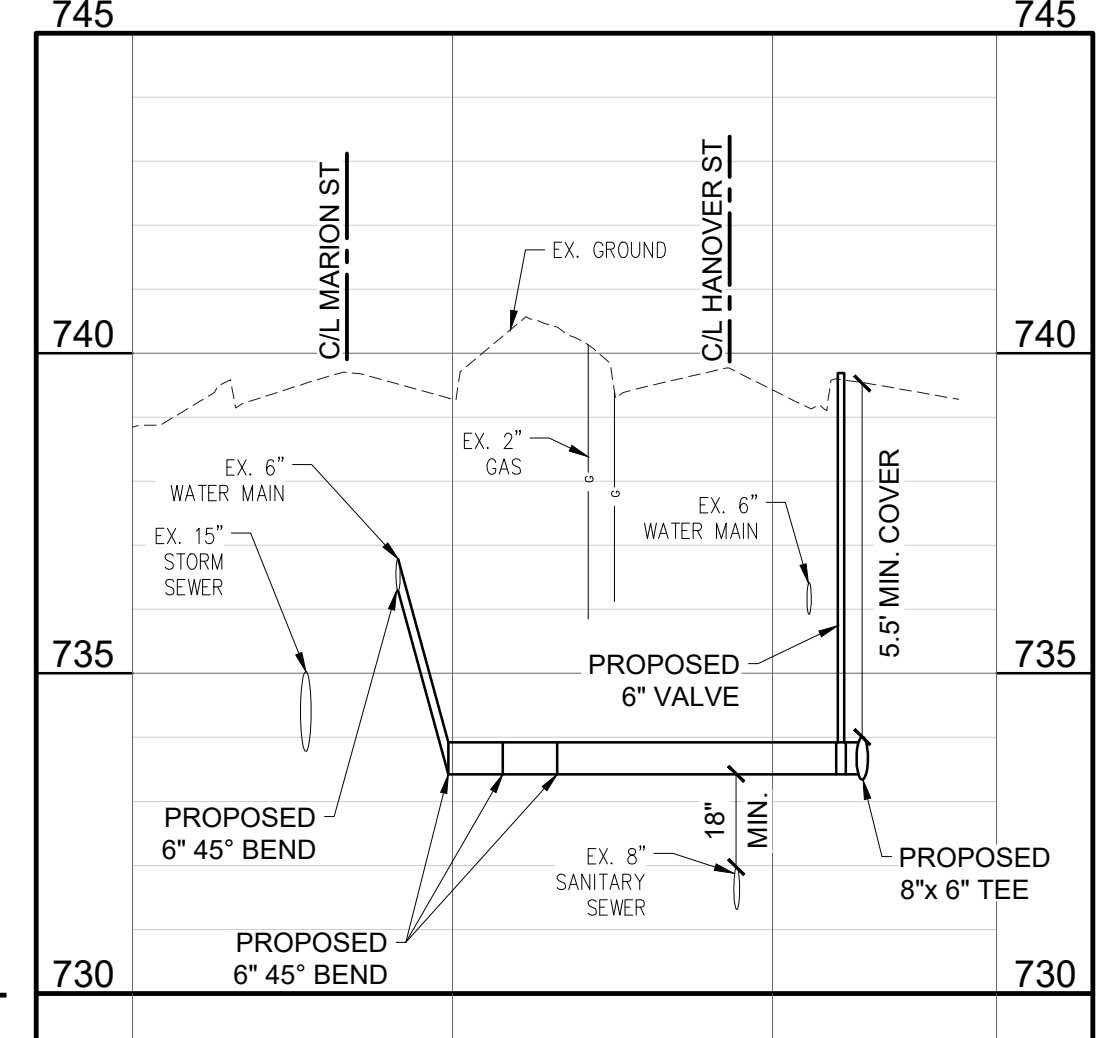
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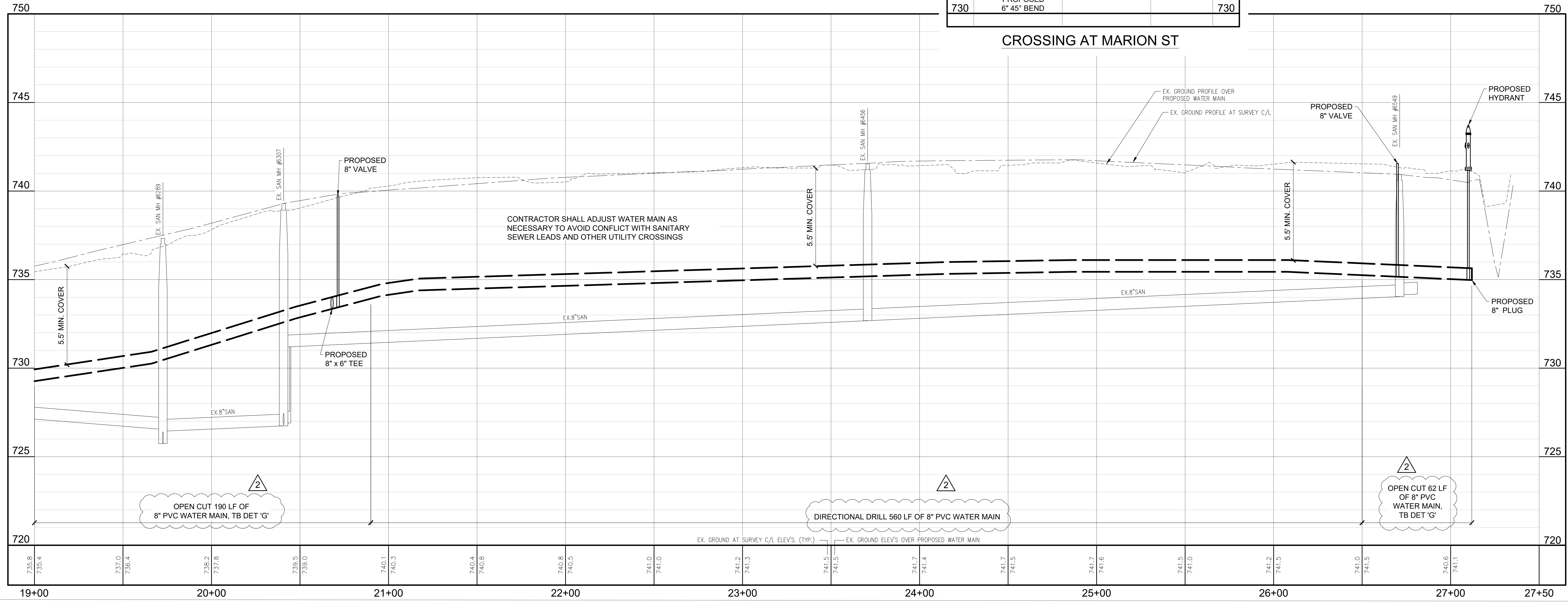
- LEGEND**
- WATER MAIN
  - ✕ GATE VALVE AND BOX, \_INCH
  - ▶ REDUCER
  - ⊕ HYDRANT / VALVE
  - ⊙ STANDARD SOIL EROSION KEY

**WATER MAIN QUANTITIES (THIS SHEET)**

QUANTITY	UNIT	WORK ITEM
1	EA	CONNECT TO EX. WATER MAIN
2	EA	EXISTING VALVE AND VALVE BOX ABANDONMENT
1	EA	EXISTING HYDRANT REMOVAL
75	LF	6" PVC WATER MAIN, TRENCH BACKFILL DETAIL 'G'
252	LF	8" PVC WATER MAIN, TRENCH BACKFILL DETAIL 'G'
560	LF	8" PVC WATER MAIN, DIRECTIONAL DRILL
2	EA	8" x 6" TEE
1	EA	6" PLUG
1	EA	8" PLUG
4	EA	6" 45° BEND
1	EA	6" VALVE AND VALVE BOX
2	EA	8" VALVE AND VALVE BOX
1	EA	FIRE HYDRANT ASSEMBLY
7	EA	NEW WATER SERVICE, OPEN CUT
10	EA	NEW WATER SERVICE, FREEBORE
1	EA	2" BLOW-OFF AND COPPER LINE TO SURFACE
4	EA	SUPPLY & INSTALL METER PIT, COMPLETE
4	EA	WATER METER PIT, REM
50	SYD	SIDEWALK, REM
400	SFT	SIDEWALK, CONC. 4 INCH



CROSSING AT MARION ST



**BID Proposal**

*(Revised 3/29/18 – Addendum No. 2)*

**2018 STREET PROGRAM  
CONTRACT 1**

TO: THE CITY OF OWOSSO (HEREINAFTER CALLED THE “CITY”)

Bidder must provide pricing for each item listed. If additional pricing elements are being offered by the bidder, they are to be listed under “other services/items offered.”

The undersigned, having examined the bid proposal forms and specifications, does hereby offer to **2018 STREET PROGRAM – CONTRACT 1** from **May 21, 2018** through **August 31, 2018** listed below at the following prices to wit:

**Road and Storm Sewer (Bid Items 1-63):**

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
1	Mobilization, Max 5%, (Road and Storm)	1	LSUM		
2	Dr Structure, Rem	35	Ea		
3	Sewer, Rem, Less than 24 inch	1572	Ft		
4	Curb and Gutter, Rem	2114	Ft		
5	Pavt, Rem	1261	Syd		
6	Sidewalk, Rem	62	Syd		
7	Machine Grading, Modified	47	Sta		
8	Subgrade Undercutting, Type II	200	Cyd		
9	Erosion Control, Inlet Protection, Fabric Drop	30	Ea		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
10	Erosion Control, Silt Fence	200	Ft		
11	Aggregate Base, 6 inch, Modified	7756	Syd		
12	Aggregate Base, 9 inch, Modified	1585	Syd		
13	Maintenance Gravel	400	Ton		
14	Geotextile, Separator	9341	Syd		
15	Sewer, SDR-26, 6 inch, Tr Det B, Modified	32	Ft		
16	Sewer, SDR-26, 8 inch, Tr Det B, Modified	10	Ft		
17	Sewer, SDR-26, 10 inch, Tr Det B, Modified	599	Ft		
18	Sewer, SDR-26, 12 inch, Tr Det B, Modified	794	Ft		
19	Sewer, SDR-26, 15 inch, Tr Det B, Modified	768	Ft		
20	Sewer Bulkhead, 12 inch	1	Ea		
21	Dr Structure, Temp Lowering	17	Ea		
22	Dr Structure Cover, Adj, Case 1	17	Ea		
23	Dr Structure, Adj, Add Depth	17	Ft		



Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
24	Dr Structure Cover, EJ 1060	12	Ea		
25	Dr Structure Cover, EJ 1060 w/ Type N Oval Grate	3	Ea		
26	Dr Structure Cover, EJ 1120 w/ Gasket Seal	17	Ea		
27	Dr Structure Cover, EJ 7000	21	Ea		
28	Dr Structure 24 inch dia, Modified	1	Ea		
29	Dr Structure 36 inch dia, Modified	22	Ea		
30	Dr Structure 48 inch dia, Modified	10	Ea		
31	Dr Structure 60 inch dia, Modified	2	Ea		
32	Cold Milling HMA Surface	4830	Syd		
33	HMA Surface, Rem	8461	Syd		
34	Hand Patching	25	Ton		
35	HMA, 2C	1070	Ton		
36	HMA, 3C	685	Ton		
37	HMA, 4E3	580	Ton		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
38	HMA, 5E3	1199	Ton		
39	HMA Approach	15	Ton		
40	Cement	5	Ton		
41	Saw Cutting	600	Ft		
42	Conc Pavt, Nonreinf, 9 inch	80	Syd		
43	Driveway, Nonreinf Conc, 6 inch	166	Syd		
44	Approach, CI II, LM	21	Cyd		
45	Curb and Gutter, Conc, Det F4, Modified	2134	Ft		
46	Detectable Warning Surface	25	Ft		
47	Sidewalk Ramp, Conc, 4 inch	625	Sft		
48	Sidewalk, Conc, 4 inch	200	Sft		
49	Sidewalk, Conc, 6 inch	100	Sft		
50	Post, Mailbox	20	Ea		
51	Valve Box, Adj	4	Ea		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
52	Sanitary Serv Conflict	4	Ea		
53	Abandoned Gas Main Conflict	10	Ea		
54	Barricade, Type III, High Intensity, Double Sided, Furn & Oper	10	Ea		
55	Pedestrian Type II Barricade, Temp	4	Ea		
56	Lighted Arrow, Type C, Furn & Oper	4	Ea		
57	Minor Traf Devices	1	LSUM		
58	Plastic Drum, High Intensity, Furn & Oper	125	Ea		
59	Sign, Type B, Temp, Prismatic, Furn & Oper	200	Sft		
60	Turf Establishment, Performance	700	Syd		
61	Sign, Type III, Rem	4	Ea		
62	Sign, Type III, Erect, Salv	4	Ea		
63	Post, Steel, 3 Pound	64	Ft		

Bidder's Initial \_\_\_\_\_

Subtotal of Road and Storm Sewer (Bid Items 1-63):

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(use words)

\$

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(use figures)

*(Note: Bid Items 64-99 Reserved for Additional Items, if Necessary)*

**Water Main (Bid Items 100-141):**

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
100	Mobilization, Max 5%, (Water Main)	1	LSUM		
101	Connect to Ex. Water Main	9	Ea		
102	Existing Valve with Valve Box Abandonment	11	Ea		
103	Existing Valve with Valve Box Removal	1	Ea		
104	Existing Hydrant Removal	3	Ea		
105	6" PVC Water Main, Trench Backfill Detail 'G'	143	Lf		
106	8" PVC Water Main, Trench Backfill Detail 'G'	840	Lf		
107	8" PVC Water Main, Directional Drill	1660	Lf		
108	8" x 6" Tee	8	Ea		
109	8" Tee	2	Ea		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
110	8" x 6" Reducer	5	Ea		
111	4" Plug	1	Ea		
112	6" Plug	14	Ea		
113	8" Plug	3	Ea		
114	6" 45° Bend	9	Ea		
115	8" 22.5° Bend	2	Ea		
116	8" 45° Bend	17	Ea		
117	6" Valve and Valve Box	3	Ea		
118	8" Valve and Valve Box	7	Ea		
119	Fire Hydrant Assembly	3	Ea		
120	90° Fire Hydrant Assembly	2	Ea		
121	New Water Service, Open Cut	24	Ea		
122	New Water Service, Freebore	29	Ea		
123	Supply & Install Meter Pit, Complete	22	Ea		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
124	Water Meter Pit, Rem	22	Ea		
125	2" Blow-Off and Copper Line to Surface	9	Ea		
126	Sign, Type III, Rem	6	Ea		
127	Sign, Type III, Erect, Salv	6	Ea		
128	Post, Steel, 3 Pound	96	Ft		
129	Curb and Gutter, Rem	130	Ft		
130	Pavt, Rem	260	Syd		
131	Sidewalk, Rem	210	Syd		
132	Driveway, Nonreinf Conc, 6 inch	85	Syd		
133	Approach, CL II, LM	25	Cyd		
134	HMA Approach	18	Ton		
135	Hand Patching	3	Ton		
136	Curb and Gutter, Conc, Det F4, Modified	130	Ft		
137	Sidewalk, Conc, 4 inch	1600	Sft		

Item	Description	Approx. Quantity	Unit	Unit Price 2018	Total Price 2018
138	Sidewalk, Conc, 6 inch	250	Sft		
139	Turf Establishment, Performance	2075	Syd		
140	Tree, Rem, 6 inch to 18 inch	5	Ea		
141	Tree, Rem, 19 inch to 36 inch	3	Ea		

Bidder's Initial \_\_\_\_\_

Subtotal of Water Main (Bid Items 100-141):

\_\_\_\_\_ (use words)

\$ \_\_\_\_\_ (use figures)

**BID TOTAL**

*(Revised 3/29/18 – Addendum No. 2)*

**Total of all Road and Storm Sewer (Bid Items 1-63) and Water Main (Bid Items 100-141):**

\_\_\_\_\_ (use words)

\$ \_\_\_\_\_ (use figures)

VARIANCE FROM SPECIFICATIONS: If the bidder is unable to comply with the specifications as outlined, the bidder shall clearly note these variations from the specifications. The bidder may also propose additions to these specifications for the city to consider, but the costs associated with these additions shall be stated separately.

If the work is not complete on or before the date set for completion or any extension, the Contractor shall pay the city liquidated damages of **\$1,300.00** a calendar day until the work is satisfactorily completed. Liquidated damages for delay may be deducted from payments due the contractor or may be collected from the Contractor or the Contractor's surety.

The undersigned agrees that if the city accepts this proposal, Contractor will, within 10 consecutive calendar days after receiving notice of this acceptance, enter into a contract to furnish all labor, equipment and tools necessary to execute the work at the unit prices named in the bid proposal. Contractor will furnish the surety for performance, for 100% of this bid, which shall be accepted and approved by the city.

The undersigned agrees that if the city accepts this proposal, Contractor will start this project no sooner than **May 21, 2018** and will substantially complete the entire work under this contract by **August 31, 2018**. This schedule may be extended for rain days or cold weather for calendar days after **August 31, 2018**, only as approved by the city of Owosso.



On behalf of \_\_\_\_\_, I hereby submit this proposal for **2018 STREET PROGRAM – CONTRACT 1** for your consideration. The undersigned acknowledges that this proposal is subject to the General Conditions and the General Specifications included in the contract documents. In submitting this proposal, it is understood that the right is reserved by the CITY to reject any and all proposals, and waive any irregularities in the bidding process. The CITY may award this contract based on any combination of the total bid and/or alternates.

Dated and signed at \_\_\_\_\_ State of \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_

Bidder

Witness:

\_\_\_\_\_

By/s/

\_\_\_\_\_

Business Address

\_\_\_\_\_

Signature

\_\_\_\_\_

Printed Name

\_\_\_\_\_

Title

\_\_\_\_\_

Telephone Number

\_\_\_\_\_

E-Mail Address

CONTINUATION SHEET FOR SPECIAL CONDITIONS.

**CONDITIONS:**

This permit is issued with the following conditions:

1. Water mains crossing sewer lines shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer line with preference to the water main located above the sewer line.
2. At crossings, one full length of water pipe shall be located so both joints will be as far from the sewer line as possible. Special structural support for the water and sewer pipes may be required.
3. The sewer materials shall be water works grade 150 psi pressure rated pipe meeting AWWA standards.
4. All pipes, pipe fittings and other materials that will be used for this project that will be in contact with potable water must conform to the new definition of lead free products and shall bear the marking "NSF/ANSI Standard 61, Annex G" or "NSF 61-G".

MDEQ USE ONLY

PERMIT # 181022	DATE March 28, 2018	ISSUED TO: City of Owosso
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