

ADDENDUM NO. 1

PROJECT TE1817

Old Pike Road Improvements – Vivion Road to NW Englewood Road

GLADSTONE, MISSOURI

DATE: 10/4/18

This Addendum forms a part of the Contract described above. The original Contract Documents and any prior addenda remain in force and effect except as modified by the following which shall take precedence over any provisions in the prior documents

Addendum No. 1:

Corrections/Changes:

1. Change/modify the completion date in the contract documents to read as follows:
 - a. All street construction items, including asphalt, concrete, and pavement markings shall be completed by October 15, 2019.
 - b. Landscaping items, including seed and sod, shall be completed by November 15, 2019.
2. Replace Sheets 33 and 34 with the attached drawings. Begin the 8-inch water main relocation on Sheet 33 at Sta. 16+25, 28.6'-Rt and install a new fire hydrant. Field verify the elevation of the existing main prior to beginning work. The unit price of the fire hydrant assembly shall include the tee, valve, and fire hydrant.
3. Add N. Broadway signal sheet.
4. Mill and Overlay:
 - a. Mobile traffic control shall be used during milling and paving operations and shall conform to MUTCD detail TA-17.
 - b. The street shall be overlaid and striped within 7 business days of completing milling operations.
 - i. Temporary pavement markings shall be used at the intersections of N. Broadway and Englewood Road and Old Pike Road and Vivion

Road. Temporary pavement markings shall consist of paint, tape, tabs, or other means to maintain the normal flow of traffic. Temporary markings shall be considered subsidiary to other bid items.

- c. The Contractor will be required to obtain a MoDOT Right-of-Way permit to perform work in the vicinity of Vivion Road.
5. Tract 18 – 5310 Old Pike Road – Remove the note “Do Not Disturb” designation of the tree in the front yard. This tree shall be removed as part of the road construction project.
6. Tract 7 – 5221 Old Pike Road – Remove the tree and stump as designated on the plans and grade level for future driveway expansion by resident.
7. Bid Form: Replace Bid Form with Bid Form Included Herein. Changes include quantity adjustments to Bid Items 35 and 43, addition of Bid Item 43A, and change to the Unit of Measure for Bid Item 75 from “EACH” to “LF.

Each Bidder shall acknowledge receipt of this addendum by fixing his signature below, by noting this addendum on his Proposal, and by attaching this addenda to his Bid.

City of Gladstone , 7010 N. Holmes, Gladstone, Missouri 64118

ACKNOWLEDGEMENT

The undersigned acknowledges receipt of this addendum and the Bid submitted is in accordance with information, instructions and stipulations set forth herein.

Bidder _____

By: _____

Date: _____

BID FORM – ADDENDUM 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION I					
1	Mobilization	LS	1.00	_____	_____
2	Clearing, Grubbing, & Demolition	LS	1.00	_____	_____
3	Unclassified Excavation	CY	7,120.00	_____	_____
4	Embankment	CY	2,170.00	_____	_____
5	Subgrade Preparation w/ 6" Stabilization	SY	6,375.00	_____	_____
6	2" Type 5-01V Asph. Surface	Tons	694.00	_____	_____
7	6" Type 1-01R Asph. Base	Tons	2,080.00	_____	_____
8	4" Compacted AB-3 Base Aggregate	SY	6,375.00	_____	_____
9	Type CG-1 Curb & Gutter	LF	3,708.00	_____	_____
10	6" Concrete Drive (Residential)	SY	2,600.00	_____	_____
10A	6" Concrete Drive (Residential) – NP*	SY	454.00	_____	_____
11	4" Thick Concrete Sidewalk	SF	13,686.00	_____	_____
12	Type A ADA Ramp	EACH	5.00	_____	_____
13	Type C ADA Ramp	EACH	4.00	_____	_____
14	3' x 3' Field Inlet	EACH	1.00	_____	_____

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION I					
15	5' x 3' CI-1 Curb Inlet	EACH	11.00		
16	6' x 3' CI-1 Curb Inlet	EACH	1.00		
17	5' x 4' CI-1 Curb Inlet	EACH	1.00		
18	15" Flared End Section (RCP)	EACH	2.00		
19	48" Flared End Section (RCP)	EACH	1.00		
20	45" x 29" Flared End Section (RCP)	EACH	1.00		
21	15" HDPE	LF	357.00		
22	18" HDPE	LF	171.00		
23	24" HDPE	LF	75.00		
24	30" HDPE	LF	143.00		
25	48" HDPE	LF	145.00		
26	45" x 29" HEHDPE	LF	19.00		
27	15" RCP	LF	167.00		
28	24" RCP	LF	36.00		
29	42" RCP	LF	36.00		
30	Large Block Gravity Retaining Wall	SF	6,198.00		

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION I					
31	42" Handrail (Picket Style)	LF	692.00		
32	42" Black Chain Link	LF	80.00		
33	6" DIP CL52 Water Main w/ Polywrap	LF	34.00		
34	8" DIP CL52 Water Main w/ Polywrap	LF	58.00		
35	8" PVC DR18 Water Main w/ Tracer Wire	LF	907.00		
36	8" Gate Valve	EACH	3.00		
37	Adjust Sanitary Manhole Top	EACH	8.00		
38	Water Service Line Replacement (as needed)	LF	150.00		
39	Sanitary Service Line Replacement (as needed)	LF	150.00		
40	Adjust Water Meter	EACH	4.00		
41	Adjust Water Valve	EACH	15.00		
42	Relocate Water Meter	EACH	21.00		
43	Relocate Fire Hydrant Assembly	EACH	4.00		
43A	New Fire Hydrant Assembly	EACH	1.00		
44	Relocate Mailbox	EACH	23.00		
45	Sodding	SY	9,359.00		

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION I					
46	Hydroseeding	Acre	1.50		
47	Permanent Signing	EACH	37.00		
48	Sign Post	LF	315.00		
49	Pavement Marking (Thermo) (White) (4")	LF	2,491.00		
50	Pavement Marking (Thermo) (Yellow) (4")	LF	2,494.00		
51	Pavement Marking Symbol (Thermo- Preformed) White Bike Symbol	EACH	8.00		
52	Pavement Marking Symbol (Thermo- Preformed) White Bike Arrow	EACH	8.00		
53	Traffic Control Sign - D3-1	EACH	12.00		
54	Traffic Control Sign - M4-9L	EACH	3.00		
55	Traffic Control Sign - M4-9R	EACH	4.00		
56	Traffic Control Sign - M4-9S	EACH	5.00		
57	Traffic Control Sign - M4-9E	EACH	2.00		
58	Traffic Control Sign - M4-10L	EACH	1.00		
59	Traffic Control Sign - M4-10R	EACH	1.00		
60	Traffic Control Sign - R11-2	EACH	4.00		

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION I					
61	Traffic Control Sign - R11-4	EACH	3.00		
62	Traffic Control Sign - W20-2	EACH	2.00		
63	Traffic Control Sign - W20-3	EACH	4.00		
64	Traffic Control Sign - SP-1	EACH	1.00		
65	Traffic Control Device - Type III Barricade	EACH	19.00		
66	Hay Bale Dike	EACH	2.00		
67	Silt Fence	LF	838.00		
68	Gravel Filter Bag	EACH	12.00		
69	18" Diameter RipRap	Tons	150.00		
70	Relocate/Reconstruct "Williamsburg" Signage – NP*	EACH	4.00		
71	Modular Block Landscape Wall, 2 Foot Tall - NP*	LF	75.00		
72	Red Maple Tree, 30 Gallon – NP*	EACH	5.00		
73	Pin Oak Tree, 30 Gallon – NP*	EACH	1.00		
74	Blue Spruce Tree, 30 Gallon – NP*	EACH	4.00		
75	Chain Link Fence, 6' – NP*	LF	100.00		

TOTAL BID SECTION I

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
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BID SECTION II

101	2" Cold Milling	SY	16,785.00		
102	2" Type 5-01V Asph. Surface	Tons	1,826.00		
103	Type A ADA Ramp	EACH	10.00		
104	Type C ADA Ramp	EACH	2.00		
105	Curb & Gutter, R&R (as-needed)	LF	400.00		
106	4" Thick Conc. Sidewalk, R&R (as-needed)	SF	2,500.00		
107	8" Type 1-01R Full Depth Patch (as-needed)	Tons	100.00		
108	6" Thick Conc. Driveway, R&R (as-needed)	SY	100.00		
109	Pavement Marking (Thermo) (White) (4")	LF	4,960.00		
110	Pavement Marking (Thermo) (White) (12")	LF	50.00		
111	Pavement Marking (Thermo) (White) (24")	LF	100.00		
112	Pavement Marking (Thermo) (Yellow) (4")	LF	6,140.00		
113	Pavement Marking (Thermo) (Yellow) (12")	LF	230.00		
114	Pavement Marking (Thermo) (Solid White Right Arrow)	EACH	3.00		
115	Pavement Marking (Thermo) (Solid White Left Arrow)	EACH	16.00		

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
BID SECTION II					
116	Pavement Marking (Thermo) (Solid White Thru Arrow)	EACH	1.00		
117	Pavement Marking (Thermo) (Solid White Thru-Right Arrow)	EACH	7.00		
118	Pavement Marking Symbol (Thermo-Preformed) White Bike Symbol	EACH	8.00		
119	Pavement Marking Symbol (Thermo-Preformed) White Bike Arrow	EACH	8.00		
120	Permanent Signing	EACH	14.00		
121	Sign Post	LF	102.00		
122	Replace Traffic Loops (match existing)	EACH	5.00		
TOTAL BID SECTION II					

TOTAL BID SECTION I + BID SECTION II _____

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	PRICE	TOTAL
Bid Alternate 1 - N. Broadway/Old Pike Road and N. Englewood Pedestrian Signal Upgrades (See JSP-34)					
201	LED Complete Signal (5 Head), R&R	EACH	4.00		
202	LED Complete Signal (3 Head), R&R	EACH	8.00		
203	8' Pedestrian Signal Pole w/ Foundation (Black)	EACH	2.00		
204	16" LED Ped Signal w/ Countdown Timer	EACH	8.00		
205	ADA Audible Push Button & Sign	EACH	8.00		
206	Paint Existing Signal Post & Mast Arm Black – NP*	EACH	4.00		

TOTAL BID ALTERNATE 1

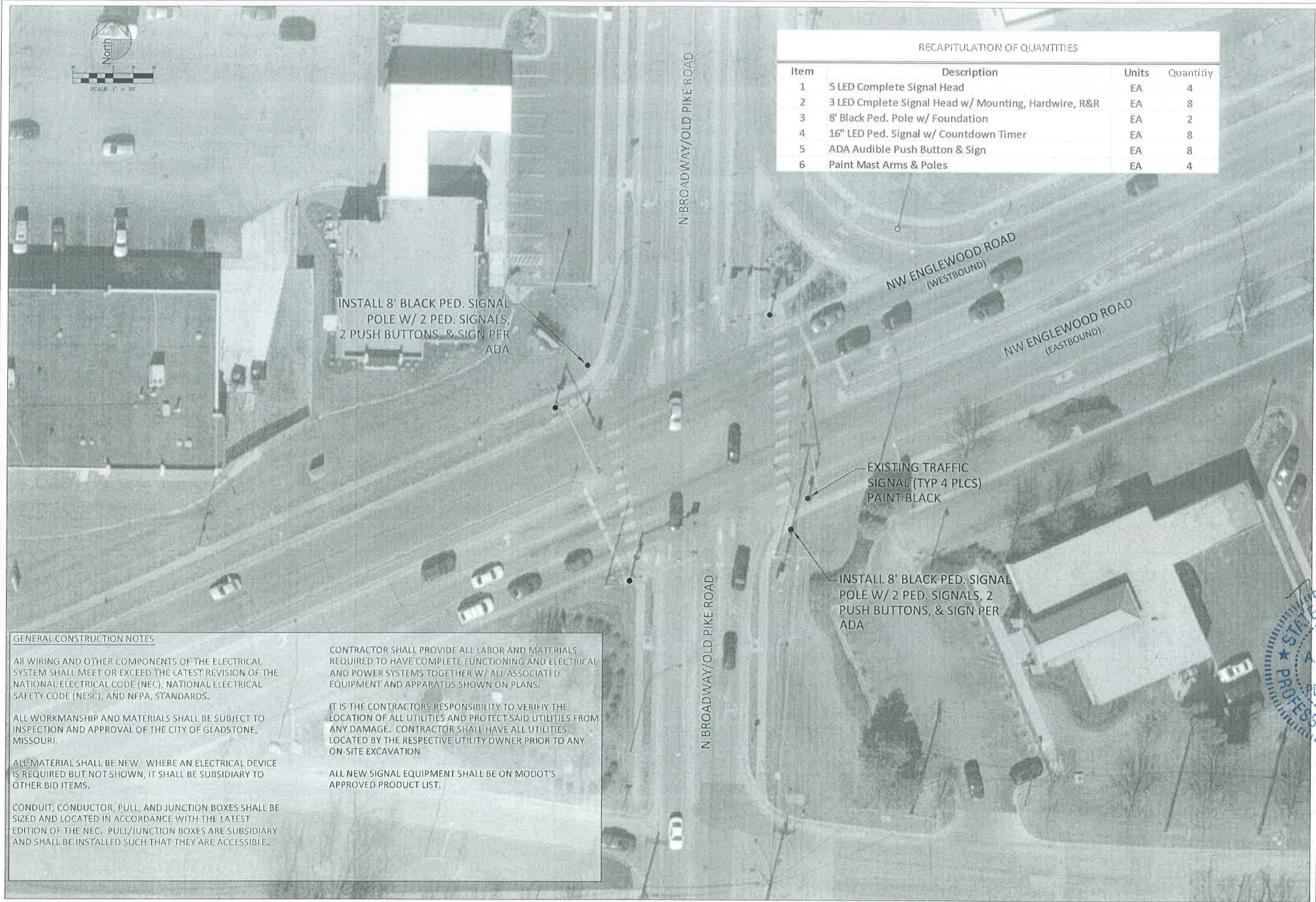
Bid Alternate 2 - Old Pike Road and Home Depot Entrance Pedestrian Signal Upgrades (See JSP-34)

211	16" LED Ped. Signal w/ Countdown Timer	EACH	4.00		
212	ADA Audible Push Button w/ Sign	EACH	4.00		
213	LED Complete Signal (3 Head), R&R	EACH	6.00		
214	Signal Controller (OGL Compatible)	EACH	1.00		

TOTAL BID ALTERNATE 2

Items marked with an “NP*” do not qualify for Federal Participation and will be paid for with local funds only.

Recycled asphalt may be used in construction of the asphalt base. All surface asphalt shall be virgin material.



RECAPITULATION OF QUANTITIES			
Item	Description	Units	Quantity
1	5 LED Complete Signal Head	EA	4
2	3 LED Complete Signal Head w/ Mounting, Hardwire, R&R	EA	8
3	8' Black Ped. Pole w/ Foundation	EA	2
4	16" LED Ped. Signal w/ Countdown Timer	EA	8
5	ADA Audible Push Button & Sign	EA	8
6	Paint Mast Arms & Poles	EA	4

GENERAL CONSTRUCTION NOTES

ALL WIRING AND OTHER COMPONENTS OF THE ELECTRICAL SYSTEM SHALL MEET OR EXCEED THE LATEST REVISION OF THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC), AND NFPA, STANDARDS.

ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OF THE CITY OF GLADSTONE, MISSOURI.


ALL MATERIAL SHALL BE NEW. WHERE AN ELECTRICAL DEVICE IS REQUIRED BUT NOT SHOWN, IT SHALL BE SUBSIDIARY TO OTHER BID ITEMS.

CONDUIT, CONDUCTOR, PULL, AND JUNCTION BOXES SHALL BE SIZED AND LOCATED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC. PULL/JUNCTION BOXES ARE SUBSIDIARY AND SHALL BE INSTALLED SUCH THAT THEY ARE ACCESSIBLE.

CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO HAVE COMPLETE FUNCTIONING AND ELECTRICAL AND POWER SYSTEMS TOGETHER W/ ALL ASSOCIATED EQUIPMENT AND APPARATUS SHOWN ON PLANS.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES AND PROTECT SAID UTILITIES FROM ANY DAMAGE. CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED BY THE RESPECTIVE UTILITY OWNER PRIOR TO ANY ON-SITE EXCAVATION

ALL NEW SIGNAL EQUIPMENT SHALL BE ON MODOT'S APPROVED PRODUCT LIST.



CITY OF GLADSTONE
MISSOURI

CITY HALL
7010 N. HOLMES
GLADSTONE, MO 64118
816-436-2200

PUBLIC WORKS
4000 NE 76TH ST.
GLADSTONE, MO 64118

NW ENGLEWOOD ROAD
& N. BROADWAY
TRAFFIC SIGNAL



STATE OF MISSOURI
TIMOTHY
A. NIESERGALL
NUMBER
PE-2004000065
PROFESSIONAL ENGINEER

DRAWN BY:	AJS
CHECKED BY:	
SCALE:	1" = 20' Horiz.
DATE:	7-19-2017
CG JOB NO:	
DRAWING NO:	ADD1

GENERAL NOTES:

- THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT "CITY STANDARDS" AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT, GLADSTONE, MISSOURI.
- FILL TO BE COMPACTED TO 95% OF STANDARD PROCTOR TO A MINIMUM OF 18" ABOVE TOP OF PIPE PRIOR TO EXCAVATION OF SEWER TRENCH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORM WATER, SILT AND EROSION CONTROL, AND TRAFFIC CONTROL DURING ALL PHASES OF CONSTRUCTION.
- PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL.
- ASPHALTIC CONCRETE SURFACE ON ALL PUBLIC STREETS SHALL BE VIRGIN MATERIAL.
- THE UTILITIES AS SHOWN ON THIS DRAWING WERE DEVELOPED FROM THE INFORMATION AVAILABLE. THIS IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE.
- CONTRACTOR SHALL PROVIDE MINIMUM OF 72 HOUR NOTICE BEFORE CLOSING ANY ACCESS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING GRAVEL, PAVEMENT, AND CULVERTS AS NEEDED AT A LOCATION APPROVED BY CITY.
- EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE APPROVED BY THE CITY.
- CONTRACTOR TO INSTALL EROSION CONTROL (SILT FENCE) AS NEEDED AND APPROVED BY THE CITY.
- VERTICAL ADJUSTMENTS TO EXISTING FIRE HYDRANTS, WATER VALVES, AND WATER METERS SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
- PAVEMENT STRIPING SHALL BE THERMOPLASTIC MATERIAL IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. A DOUBLE STRIPE (YELLOW) SHALL BE PLACED ON CENTERLINE OVER THE ENTIRE LENGTH OF NEW STREET.
- ALL DISTURBED AREAS SHALL BE RESTORED WITH VEGETATION WITHIN 14 DAYS OF COMPLETION OF WORK RIGHT OF WAY TO BE STABILIZED AS REQUIRED BY THE CONTRACT SPECIFICATIONS.
- CURB INLET AND STORM SEWER EROSION PROTECTION DEVICES SHALL BE INSTALLED AND MAINTAINED PER THE ADOPTED EROSION AND SEDIMENTATION CONTROL SPECIFICATION AND CONSTRUCTION DETAILS.
- CONTRACTOR SHALL CAUSE TO HAVE THE CURB INLET PROTECTION DEVICES INSPECTED ON A DAILY BASIS AND IMMEDIATELY AFTER RAINFALLS TOTALING 1/2 INCH OR MORE. SILT SHALL BE REMOVED AND DEVICE REPAIRED AS REQUIRED TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS.
- INSPECTION, MAINTENANCE, AND REPAIR OF EROSION CONTROL DEVICES SHALL BE ONGOING THROUGHOUT THE LIFE OF CONSTRUCTION TO KEEP THE DEVICES IN OPERABLE CONDITION AT ALL TIMES. ADDITIONAL MEASURES SHALL BE INSTALLED AS REQUIRED BY ACTUAL FIELD CONDITIONS AND/OR AS DIRECTED BY THE CITY.
- CONTRACTOR WILL BE PERMITTED TO CLOSE OLD PIKE, FOR THROUGH TRAFFIC, DURING THAT CURRENT PHASE OF CONSTRUCTION; HOWEVER ACCESS FOR LOCAL RESIDENTS MUST BE MAINTAINED DURING CONSTRUCTION.
- A DETOUR/ACCESS PLAN MUST BE APPROVED BY THE CITY PRIOR TO BEGINNING CONSTRUCTION.
- WATER METERS AND FIRE HYDRANTS NEED TO BE MOVED OUT OF THE SIDEWALK INTO THE GREEN SPACE. RELOCATED METERS SHOULD BE REPLACED WITH NEW MATERIALS PROVIDED BY THE CONTRACTOR. THE METER SHALL BE SUPPLIED BY THE CITY. THE CONTRACTOR SHALL SALVAGE EXISTING MATERIALS AND RETURN THE MATERIAL TO THE PUBLIC WORKS MAINTENANCE BUILDING, 4000 NE 76TH STREET, GLADSTONE, MO 64119.
- ANY WATER OR SANITARY SERVICE LINES DAMAGED DURING CONSTRUCTION SHALL BE FIXED THE SAME DAY AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE.
- THE CONTRACTOR MUST COORDINATE ALL SHUTDOWNS OF THE WATER MAIN WITH THE CITY'S WATER DEPARTMENT (816-436-5442). THE CONTRACTOR SHALL NOT OPERATE VALVES IN THE WATER SYSTEM.
- THE CONTRACTOR SHALL FIELD VERIFY THE DEPTH, DIAMETER, LOCATION, AND MATERIAL OF ALL EXISTING WATER MAINS PRIOR TO MAKING CONNECTIONS.
- THE CONTRACTOR SHALL SUPPLY ALL FITTINGS AS NECESSARY TO PROVIDE PROPER HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS TO THE EXISTING MAIN. ALL FITTINGS SHALL BE RESTRAINED WITH THRUST BLOCKS AND/OR RESTRAINED JOINT PIPE WITH STRADDLE BLOCKS.
- ALL FIRE HYDRANT ASSEMBLIES (NEW AND RELOCATED) SHALL BE RESTRAINED AND SHALL BE INSTALLED SO THAT THE CENTERLINE OF THE OUTLET NOZZLE IS 18" TO 21" ABOVE FINISHED GRADE AND THERE IS A MINIMUM CLEAR AREA OF 5-FEET IN EACH DIRECTION TO ALLOW OPERATION OF THE HYDRANT.
- POLYETHYLENE ENCASEMENT SHALL BE INSTALLED ON ALL DUCTILE IRON PIPE AND FITTINGS. TRACER WIRE SHALL BE INSTALLED WITH ALL NEW PVC PIPE.
- THE CONTRACTOR SHALL SUPPLY ALL MATERIALS AND EQUIPMENT NECESSARY TO TEST THE WATER MAIN PRIOR TO PLACING IT IN SERVICE. ONLY CITY STAFF SHALL OPERATE WATER VALVES IN THE SYSTEM.
- THE EXISTING WATER MAIN MAY BE ABANDONED IN PLACE. PLUG ALL OPEN ENDS WITH CONCRETE.
- FIRE HYDRANTS REMOVED DURING CONSTRUCTION SHALL BE RETURNED TO THE CITY OF GLADSTONE PUBLIC WORKS FACILITY LOCATED AT 4000 NE 76TH STREET.

RECAPITULATION OF QUANTITIES			
BID SECTION 1			
ITEM	DESCRIPTION	UNITS	QUANTITY
1	Mobilization	LS	1
2	Clearing, Grubbing, & Demolition	LS	1
3	Unclassified Excavation	CY	7120
4	Embankment	CY	2170
5	Subgrade Preparation w/ Stabilization	SY	6375
6	2" Type 5-01 Asph. Surface	Tons	694
7	6" Type 1-01 Asph. Base	Tons	2080
8	4" Compacted AB-3 Base Aggregate	SY	6375
9	Type CG-1 Curb & Gutter	LF	3708
10	6" Concrete Drive (Residential)	SY	2600
10A	6" Concrete Drive (Residential) - NP*	SY	454
11	4" Thick Concrete Sidewalk	SF	13686
12	Type A ADA Ramp	EACH	5
13	Type C ADA Ramp	EACH	4
14	3' x 3' Field Inlet	EACH	1
15	5' x 3' CI-1 Curb Inlet	EACH	11
16	6' x 3' CI-1 Curb Inlet	EACH	1
17	5' x 4' CI-1 Curb Inlet	EACH	1
18	15" Flared End Section (RCP)	EACH	2
19	48" Flared End Section (RCP)	EACH	1
20	45" x 29" Flared End Section (RCP)	EACH	1
21	15" HDPE	LF	357
22	18" HDPE	LF	171
23	24" HDPE	LF	75
24	30" HDPE	LF	143
25	48" HDPE	LF	145
26	45" x 29" HEHDPE	LF	19
27	15" RCP	LF	167
28	24" RCP	LF	36
29	42" RCP	LF	36
30	Large Block Gravity Retaining Wall	SF	6198
31	42" Handrail (Picket Style)	LF	692
32	42" Black Chain Link	LF	80
33	6" DIP CL52 Water Main w/ Polywrap	LF	34
34	8" DIP CL52 Water Main w/ Polywrap	LF	58
35	8" PVC DR18 Water Main w/ Tracer Wire	LF	1732
36	8" Gate Valve	EACH	3
37	Adjust Sanitary Manhole Top	EACH	8
38	Water Service Line Replacement (3/4" Copper) (as needed)	LF	150
39	Sanitary Service Line Replacement (4" PVC SDR26) (as needed)	LF	150
40	Adjust Water Meter	EACH	4
41	Adjust Water Valve	EACH	15
42	Relocate Water Meter	EACH	21
43	Relocate Fire Hydrant Assembly	EACH	15
44	Relocate Mailbox	EACH	23
45	Sodding	SY	9359
46	Hydroseeding	Acre	1.5
47	Permanent Signing	EACH	37
48	Sign Post	LF	315
49	Pavement Marking (Thermo) (White) (4")	LF	2491
50	Pavement Marking (Thermo) (Yellow) (4")	LF	2494
51	Pavement Marking Symbol (Thermo-Preformed) White Bike Symbol	EACH	8
52	Pavement Marking Symbol (Thermo-Preformed) White Bike Arrow	EACH	8
53	Traffic Control Sign - D3-1	EACH	12
54	Traffic Control Sign - M4-9L	EACH	3
55	Traffic Control Sign - M4-9R	EACH	4
56	Traffic Control Sign - M4-9S	EACH	5
57	Traffic Control Sign - M4-9E	EACH	2
58	Traffic Control Sign - M4-10L	EACH	1
59	Traffic Control Sign - M4-10R	EACH	1
60	Traffic Control Sign - R11-2	EACH	4
61	Traffic Control Sign - R11-4	EACH	3
62	Traffic Control Sign - W20-2	EACH	2
63	Traffic Control Sign - W20-3	EACH	4
64	Traffic Control Sign - SP-1	EACH	1
65	Traffic Control Device - Type III Barricade	EACH	19
66	Hay Bale Dike	EACH	2
67	Silt Fence	LF	838
68	Gravel Filter Bag	EACH	12
69	18" Diameter RipRap	Tons	150
70	Relocate/Reconstruct "Williamsburg" Signage* (NP)	EACH	4
71	Modular Block Landscape Wall, 2 Foot Tall* (NP)	LF	75
72	Red Maple Tree, 30 Gallon* (NP)	EACH	5
73	Pin Oak Tree, 30 Gallon* (NP)	EACH	1
74	Blue Spruce Tree, 30 Gallon* (NP)	EACH	4
75	Chain Link Fence, 6'* (NP)	EACH	100

ITEMS MARKED WITH AN "*" AND (NP) ARE LOCALLY FUNDED WITH NO FEDERAL PARTICIPATION

76	Install Fire Hydrant Assembly	EACH	1
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1 REVISED

SHEET NUMBER

5

TOTAL SHEETS

84

YEAR

2018

PROJECT NO.

STP-3323(408)

City of Gladstone, Missouri

Old Pike Road

(S2nd Terrace to 54th Terrace)

DESCRIPTION

10/02/2018

1

DATE

10/02/2018

GENERAL NOTES AND RECAPITULATION OF QUANTITIES

GBA

architects

engineers

9801 Renner Boulevard

Lenexa, Kansas 66219

913.492.0400

www.gbateam.com

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PRO. ENGINEER 000133

ARCHITECT 00212

LANDSCAPE ARCHITECT 000025

PRO. LAND SURVEYOR 000059

STATE OF MISSOURI

BRYAN BLIZZARD

NUMBER

PE-2010011040

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

Bryan A. Blizzard

PROFESSIONAL ENGINEER

2010011040

REV

G:\13657\Micro\Highways\13657_OP_Recap-REV.dgn

4:23:57 PM

10/2/2018

SHEET NUMBER
33

TOTAL SHEETS
84

YEAR
2018

PROJECT NO.
STP-3323(408)

City of Gladstone, Missouri
Old Pike Road
(52nd Terrace to 54th Terrace)

DESCRIPTION
Addendum No. 1

DATE
10/02/2018

WATER LINE and
SANITARY SEWER DETAILS
SHEET 1 OF 4

GBA

architects
engineers

9801 Renner Boulevard
Lenexa, Kansas 66219
913.492.0400
www.gbateam.com

© GEORGE BUTLER
ASSOCIATES, INC. 2008
PRO. ENGINEER 000133
ARCHITECT 00212
LANDSCAPE ARCHITECT 000025
PRO. LAND SURVEYOR 000059

STATE OF MISSOURI

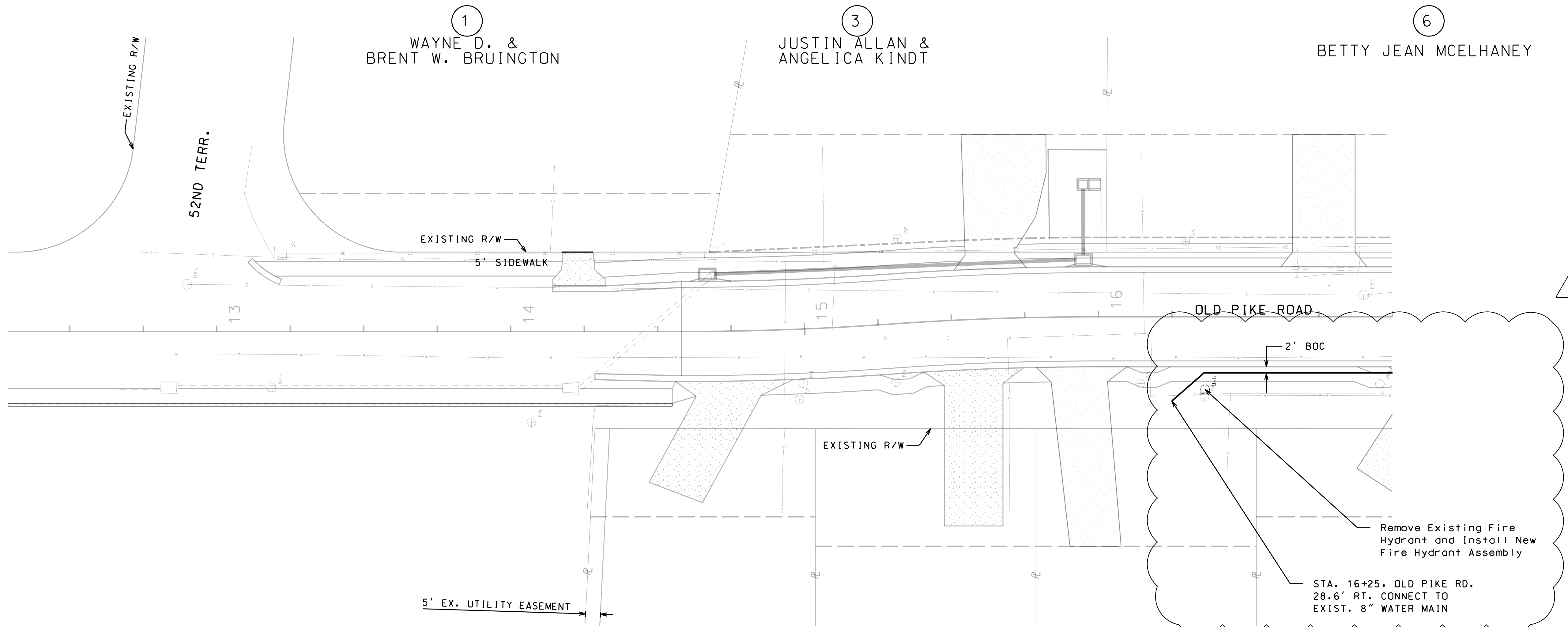
BRYAN BLIZZARD

NUMBER
PE-2010011040

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.
Bryan A. Blizzard
PROFESSIONAL
ENGINEER
2010011040

1 REVISED



WATER METER RELOCATION		
STA.	OFFSET	SIDE
14+98.76	18.37	RT.
15+29.72	19.84	RT.
16+14.22	22.67	RT.
16+29.59	25.63	LT.
16+95.77	22.80	RT.

WATER METER ADJUSTMENTS		
STA.	OFFSET	SIDE
14+50+/-	20+/-	LT.
15+33.58	28.80	LT.

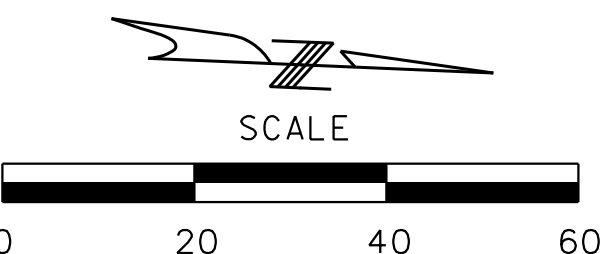
WATER VALVE ADJUSTMENTS		
STA.	OFFSET	SIDE
14+97.27	23.92	RT.
16+36.11	27.21	RT.

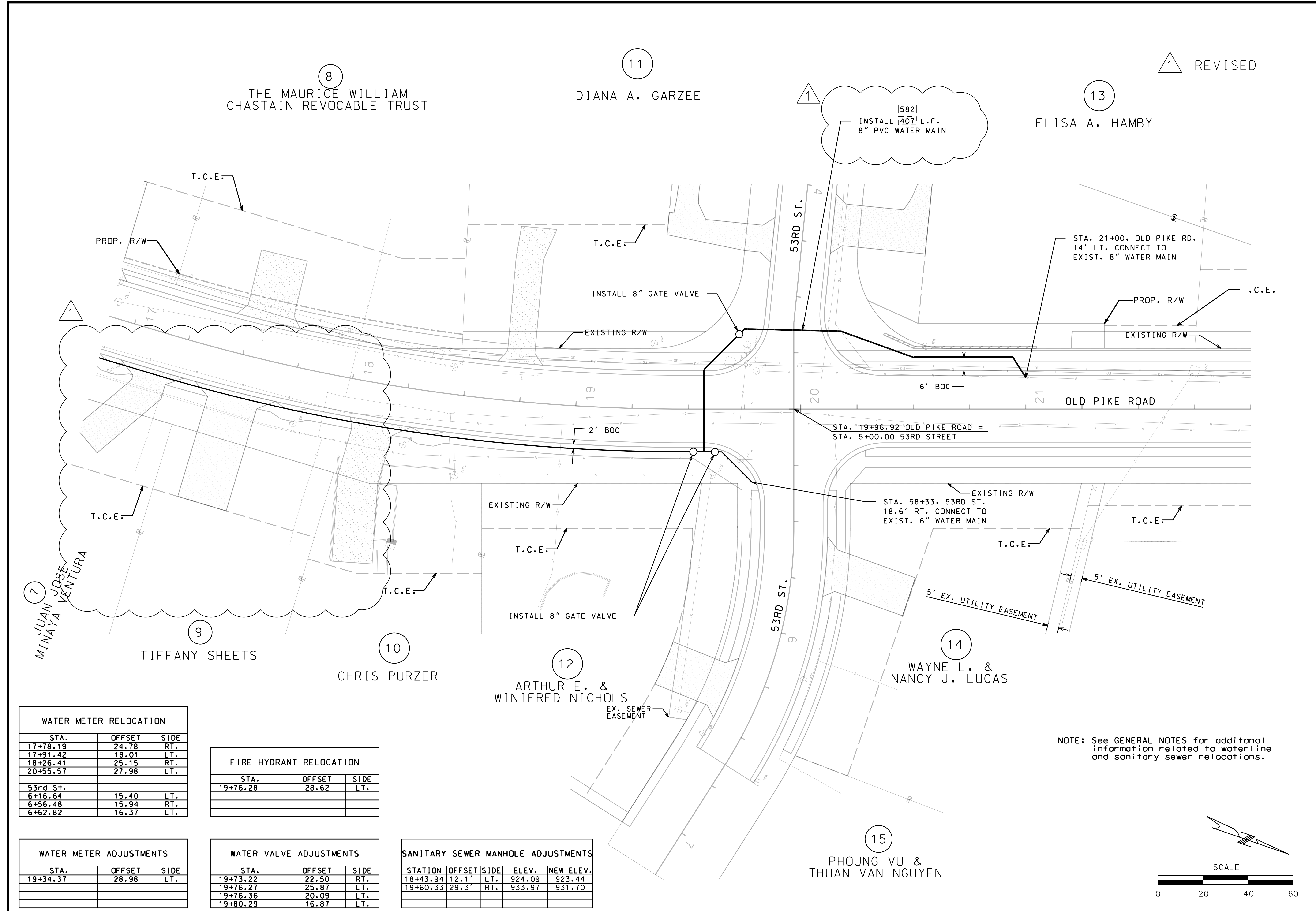
3/4" COPPER ADJUSTMENTS TO WATER METER		
STA.	OFFSET	SIDE
15+33.58	28.80	LT.

NEW FIRE HYDRANT ASSEMBLY		
STA.	OFFSET	SIDE
16+36.32	24.69	RT.

SANITARY SEWER MANHOLE ADJUSTMENTS				
STATION	OFFSET	SIDE	ELEV.	NEW ELEV.
16+90.29	7.4'	LT.	913.65	912.40

NOTE: See GENERAL NOTES for additional information related to waterline and sanitary sewer relocations.





WATER METER RELOCATION		
STA.	OFFSET	SIDE
17+78.19	24.78	RT.
17+91.42	18.01	LT.
18+26.41	25.15	RT.
20+55.57	27.98	LT.
53rd St.		
6+16.64	15.40	LT.
6+56.48	15.94	RT.
6+62.82	16.37	LT.

WATER METER ADJUSTMENTS		
STA.	OFFSET	SIDE
19+34.37	28.98	LT.

FIRE HYDRANT RELOCATION		
STA.	OFFSET	SIDE
19+76.28	28.62	LT.

WATER VALVE ADJUSTMENTS		
STA.	OFFSET	SIDE
19+73.22	22.50	RT.
19+76.27	25.87	LT.
19+76.36	20.09	LT.
19+80.29	16.87	LT.

SANITARY SEWER MANHOLE ADJUSTMENTS				
STATION	OFFSET	SIDE	ELEV.	NEW ELEV.
18+43.94	12.1'	LT.	924.09	923.44
19+60.33	29.3'	RT.	933.97	931.70

SHEET NUMBER
34

TOTAL SHEETS
84

YEAR
2018

PROJECT NO.
STP-3323(408)

City of Gladstone, Missouri
Old Pike Road
(52nd Terrace to 54th Terrace)

DESCRIPTION
Addendum No. 1

DATE
10/02/2018

WATER LINE and
SANITARY SEWER DETAILS
SHEET 2 OF 4

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ARCHITECT 00212
LANDSCAPE ARCHITECT 000025
PRO. LAND SURVEYOR 000059

THIS SHEET HAS BEEN
SIGNED, SEALED AND DATED
ELECTRONICALLY.
Bryan A. Blizzard
PROFESSIONAL
ENGINEER
2010011040

NOTE: See GENERAL NOTES for additional information related to waterline and sanitary sewer relocations.

