

Tract Description

A tract of land being located in Sections 7 & 8, Township 47, Range 31, Lee's Summit, Jackson County Missouri, being more particularly described as follows:
 Commencing at the East Quarter Corner of said Section 7; thence N87°41'40"W along the North line of said Section 7, a distance of 937.51 feet; thence S27°18'20"W, a distance of 43.88 feet to the Point of Beginning; thence N57°09'44"W, a distance of 458.00 feet; thence S2°26'55"W, a distance of 2068.05 feet; thence S87°33'04"E, a distance of 215.90 feet; thence N2°25'22"E, a distance of 555.23 feet; thence S88°17'49"E, a distance of 260.52 feet; thence S23°37'00"W, a distance of 221.84 feet; thence S87°48'02"E, a distance of 280.68 feet; thence S2°12'28"W, a distance of 303.63 feet; thence S88°04'40"E, a distance of 339.94 feet; thence S2°23'57"W, a distance of 37.99 feet; thence S87°48'18"E, a distance of 263.03 feet; thence S2°32'23"W, a distance of 493.69 feet; thence S2°37'15"W, a distance of 224.32 feet; thence S49°43'38"E, a distance of 34.42 feet; thence S88°29'59"E, a distance of 67.84 feet; thence N2°23'15"E, a distance of 12.78 feet; thence S87°30'25"E, a distance of 327.07 feet; thence N6°07'34"W, a distance of 1338.91 feet; thence N87°50'32"W, a distance of 62.60 feet; thence N2°37'19"E, a distance of 158.07 feet along a curve to the left tangent to the preceding course and having a radius of 1375.94 feet, an arc distance of 490.71 feet; thence N87°25'57"W, a distance of 74.50 feet; thence along a curve to the right tangent to the preceding course and having a radius of 250.00 feet, an arc distance of 183.56 feet; thence N43°39'15"W, a distance of 495.95 feet; thence N44°17'15"W, a distance of 122.21 feet; thence S45°42'45"W, a distance of 46.13 feet; thence S89°02'59"W, a distance of 78.09 feet; thence N52°34'07"W, a distance of 298.65 feet to the Point of Beginning.

Site Impervious Area

Total Area 23.34 acres (1,016,622 sq. ft.)
 Right of Way 1.10 acres (48,073 sq. ft.)

Proposed Site

Lot	Area (Ac)	Lot Area Sq Ft	Building Area	Residential Units	FAR / Density	Use
11	9.16	399182	80896	N/A	20.27%	Residential
12	1.24	53908	2655	N/A	4.93%	Commercial
13	1.50	65150	9300	N/A	14.27%	Commercial
14	1.13	49272	2553	N/A	N/A	Commercial
15	0.78	33988	973	N/A	2.86%	Commercial
16	1.36	59116	2600	N/A	4.40%	Commercial
17	1.39	60443	2571	N/A	4.25%	Commercial
18	2.22	96807	4569	N/A	4.72%	Commercial
TRACT A	5.02	218565	N/A	N/A	N/A	
TOTAL	23.79	1036431	106117	N/A	N/A	

Street 19275 sq. ft.
 Parking Lot 362296 sq. ft.
 Buildings 106,117 sq. ft.
 Impervious Area 497,688 sq. ft. (48% of Site)

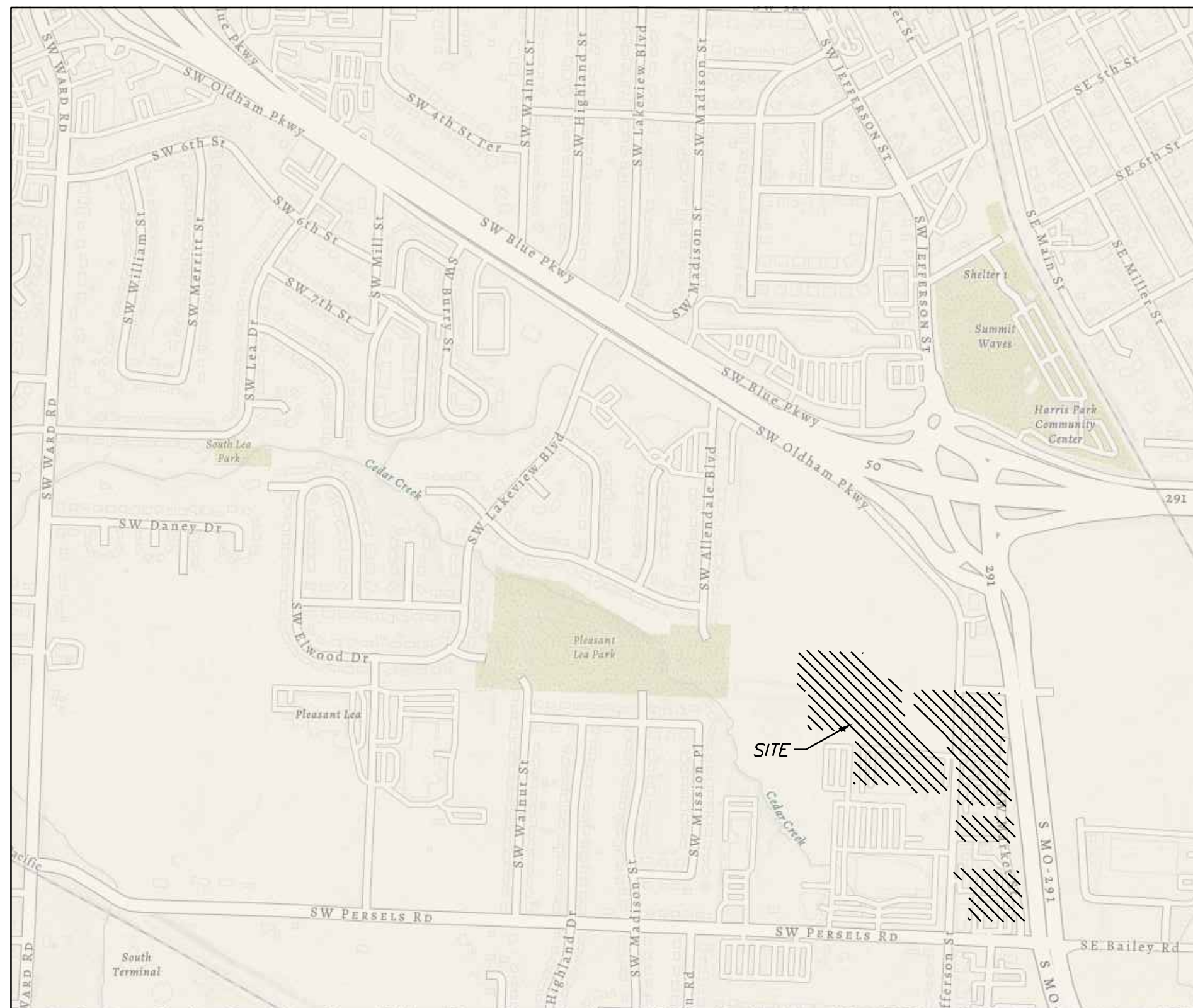
Lot	Parking Lot Area Sq Ft	Building Area
11	158360	80896
12	18610	2655
13	34815	9300
14	28484	2553
15	25972	973
16	28721	2600
17	26314	2571
18	41120	4569
TOTAL	362396	106117

Common Areas
 Tract A 5.02 acres (sq. ft.) Retention Area

Parking:

Lot Number	Building Area	Residential Units	Parking Provided	Parking Ratio
11	80896	N/A	464	5.74 Spaces / 1,000 sf
12	2655	N/A	34	12.81 Spaces / 1,000 sf
13	9300	N/A	50	5.38 Spaces / 1,000 sf
14	2553	N/A	36	N/A
15	973	N/A	8	8.22 Spaces / 1,000 sf
16	2600	N/A	29	11.15 Spaces / 1,000 sf
17	2571	N/A	61	23.73 Spaces / 1,000 sf
18	4569	N/A	46	10.07 Spaces / 1,000 sf
TRACT A	N/A	N/A	0	N/A
TOTAL	106117	N/A	728	N/A

Current Zoning: PMIX - Planned Mixed Use
 Proposed Zoning: PMIX - Planned Mixed Use

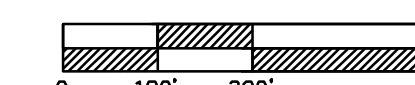


Vicinity Map

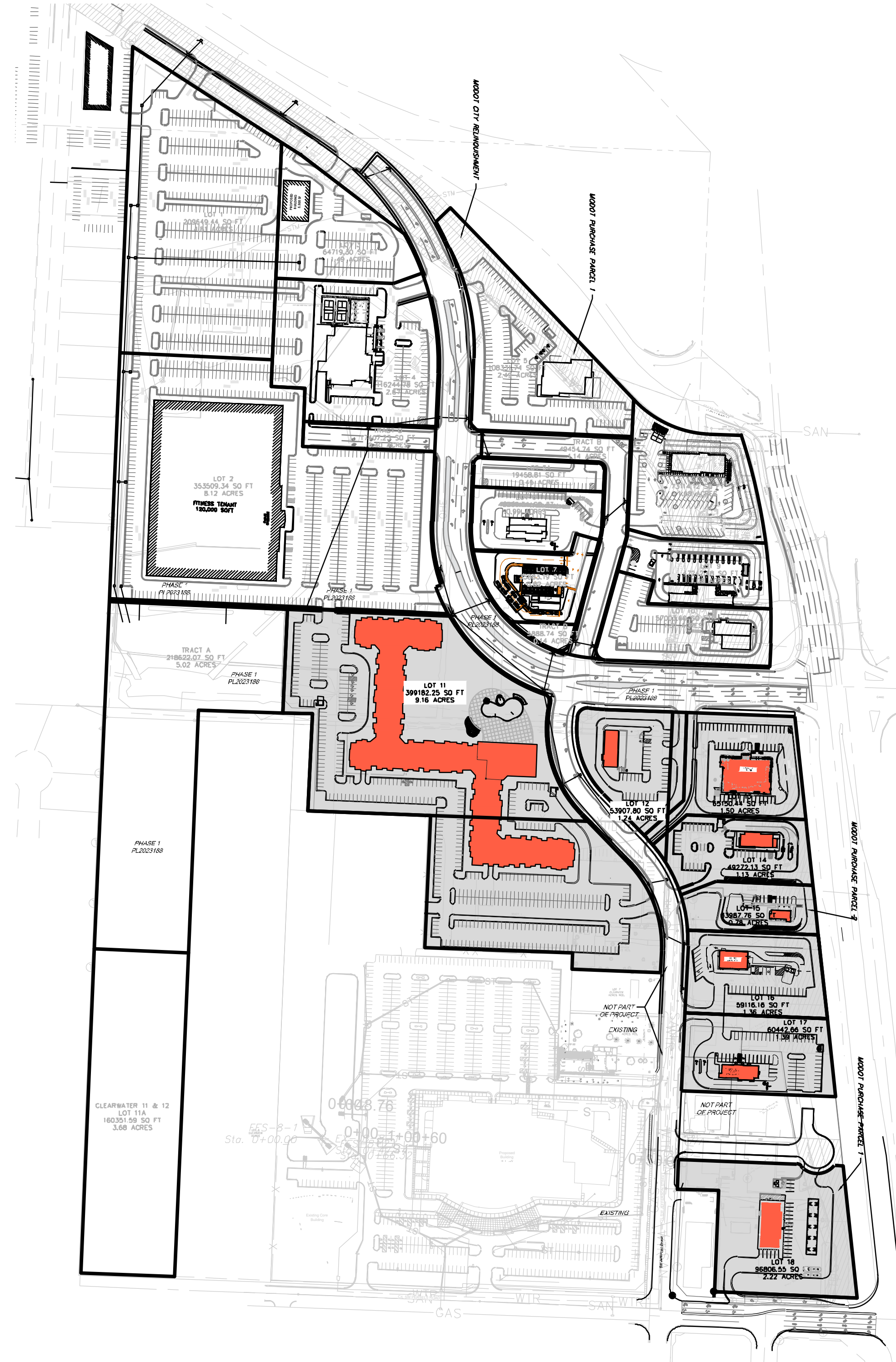
OLDHAM VILLAGE PHASE 2

Preliminary Development Plan

Section 7, Township 47 North, Range 31 West
 LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



Preliminary Development Plan
 SCALE: 1" = 200'



Site Improvement Notes

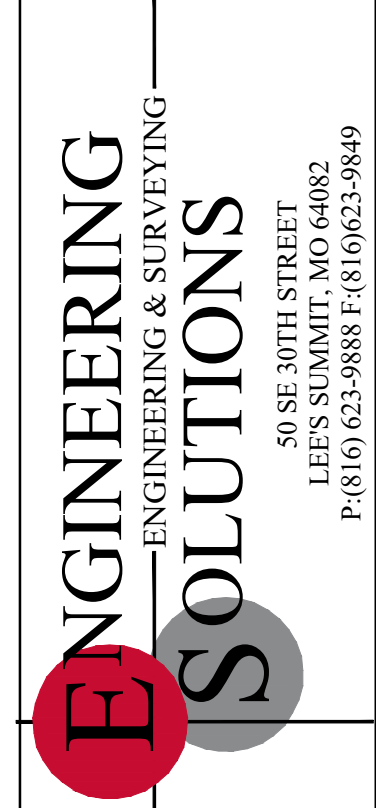
- Sanitary Sewer Improvements**
 - The site will utilize the existing sanitary sewer on the east side of SE M 291 HWY.
- Water Main Improvements**
 - The existing 16" water main located on the east side of SE M 291 HWY.
- Storm Sewer**
 - Enclosed pipe systems and inlets will collect and convey the onsite storm water runoff and direct it toward the existing public storm sewer system.
- Storm Water Detention**
 - The site will utilize onsite storm detention.
- Common Area**
 - POA will be responsible for all maintenance.

LEGEND:

Existing Underground Power	—UGP—	—UGP—
Existing Conc. Curb & Gutter	=====	
Existing Wood Fence	—X—	—X—
Existing Gas Main	—GAS—	
Existing Water Main	-X-W/M- - - - -X-W/M- - - - -	
Existing Storm Sewer	-X-STM- - - - -X-STM- - - - -	
Existing Sanitary Sewer	-X-SAN- - - - -X-SAN- - - - -	
Existing Underground Telephone	—UGT—	—UGT—
Existing Overhead Power	—OHE—	
Proposed Storm Sewer	—ST—	—ST—
Proposed Sanitary Sewer	—SS—	—SS—
Proposed Underground Power	—UGT—	—UGT—
Proposed Gas Service	—GAS—	
Proposed 8" D.I.P. Water	—W—	
Proposed Electrical Service	—UGP—	—UGP—

ALL PAVING ON THE PARKING LOT WILL COMPLY WITH THE UNIFIED DEVELOPMENT ORDINANCE ARTICLE 8 IN TERMS OF PAVING THICKNESS AND BASE

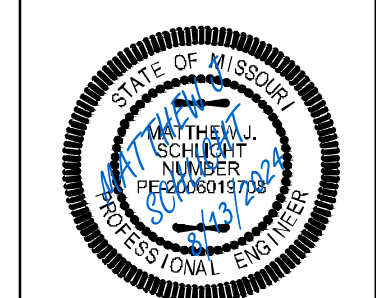
OIL - GAS WELLS
 ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995, THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY AS SURVEYED HEREON.



Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 200500185-D
 Kansas
 Engineering S-1686
 Surveying LS-219
 Oklahoma
 Engineering BS24
 Nebraska
 Engineering CA2821

Project: Oldham Village
 Issue Date: June 10, 2024
 Lee's Summit, Jackson County, Missouri

PRELIMINARY DEVELOPMENT PLAN
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 Lee's Summit, Jackson County, Missouri



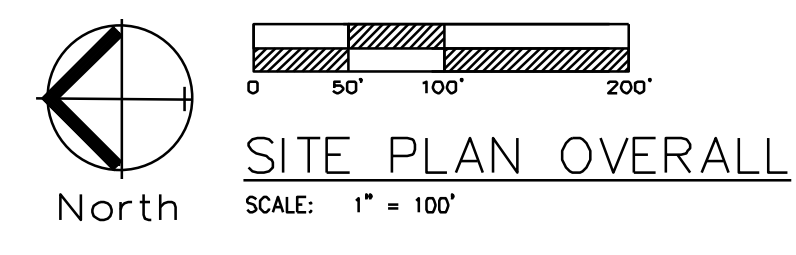
Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS

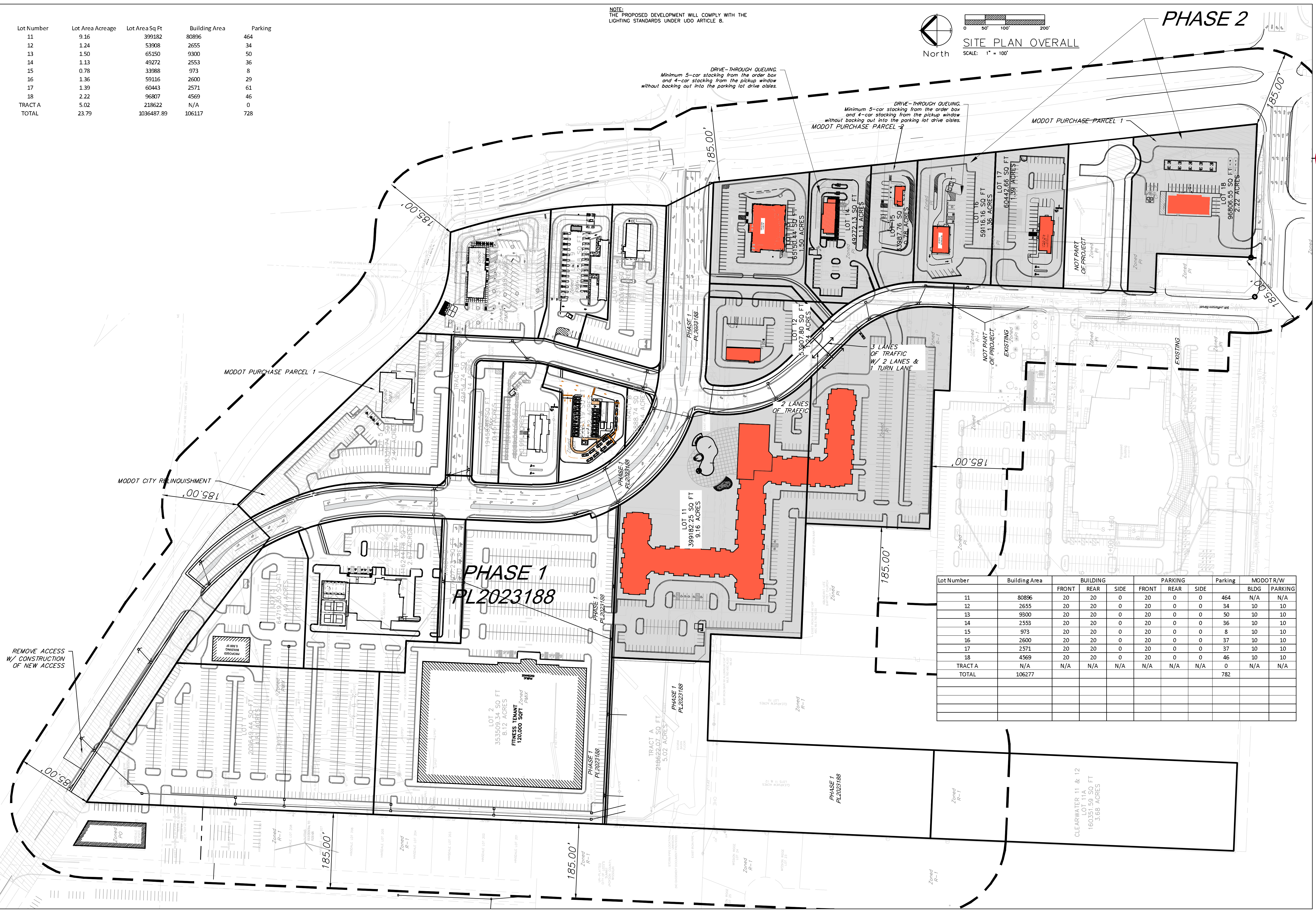
REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024

Lot Number	Lot Area Acreage	Lot Area Sq Ft	Building Area	Parking
11	9.16	399182	80896	464
12	1.24	53908	2655	34
13	1.50	65150	9300	50
14	1.13	49272	2553	36
15	0.78	33968	973	8
16	1.36	59116	2600	29
17	1.39	60443	2571	61
18	2.22	96907	4569	46
TRACT A	5.02	218622	N/A	0
TOTAL	23.79	1036487.89	106117	728

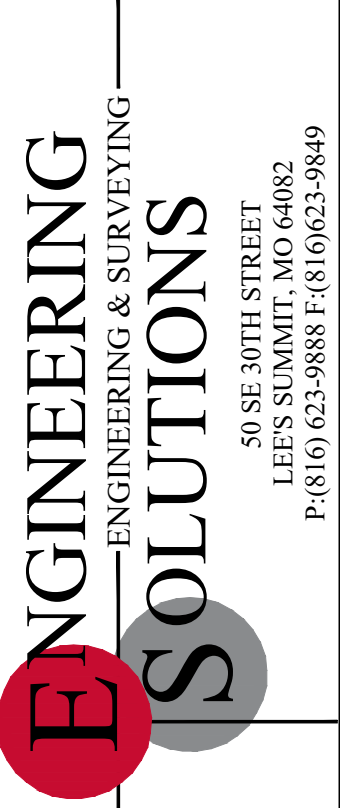
NOTE:
THE PROPOSED DEVELOPMENT WILL COMPLY WITH THE
LIGHTING STANDARDS UNDER UDD ARTICLE 8.



PHASE 2



Lot Number	Building Area	BUILDING			PARKING			PARKING	MODOTR/W	
		FRONT	REAR	SIDE	FRONT	REAR	SIDE			
11	80896	20	20	0	20	0	0	464	N/A	N/A
12	2655	20	20	0	20	0	0	34	10	10
13	9300	20	20	0	20	0	0	50	10	10
14	2553	20	20	0	20	0	0	36	10	10
15	973	20	20	0	20	0	0	8	10	10
16	2600	20	20	0	20	0	0	37	10	10
17	2571	20	20	0	20	0	0	37	10	10
18	4569	20	20	0	20	0	0	46	10	10
TRACT A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	N/A	N/A
TOTAL	106277							782		



Professional Registration
Missouri
Engineering 200500185-D
Surveying 20050008818-D
Kansas
Engineering C-1696
Surveying LS-219
Oklahoma
Engineering B254
Nebraska
Engineering CA2821

Project:
OLDHAM VILLAGE
Issue Date:
June 10, 2024

Oldham Village
LEES SUMMIT, JACKSON COUNTY, MISSOURI

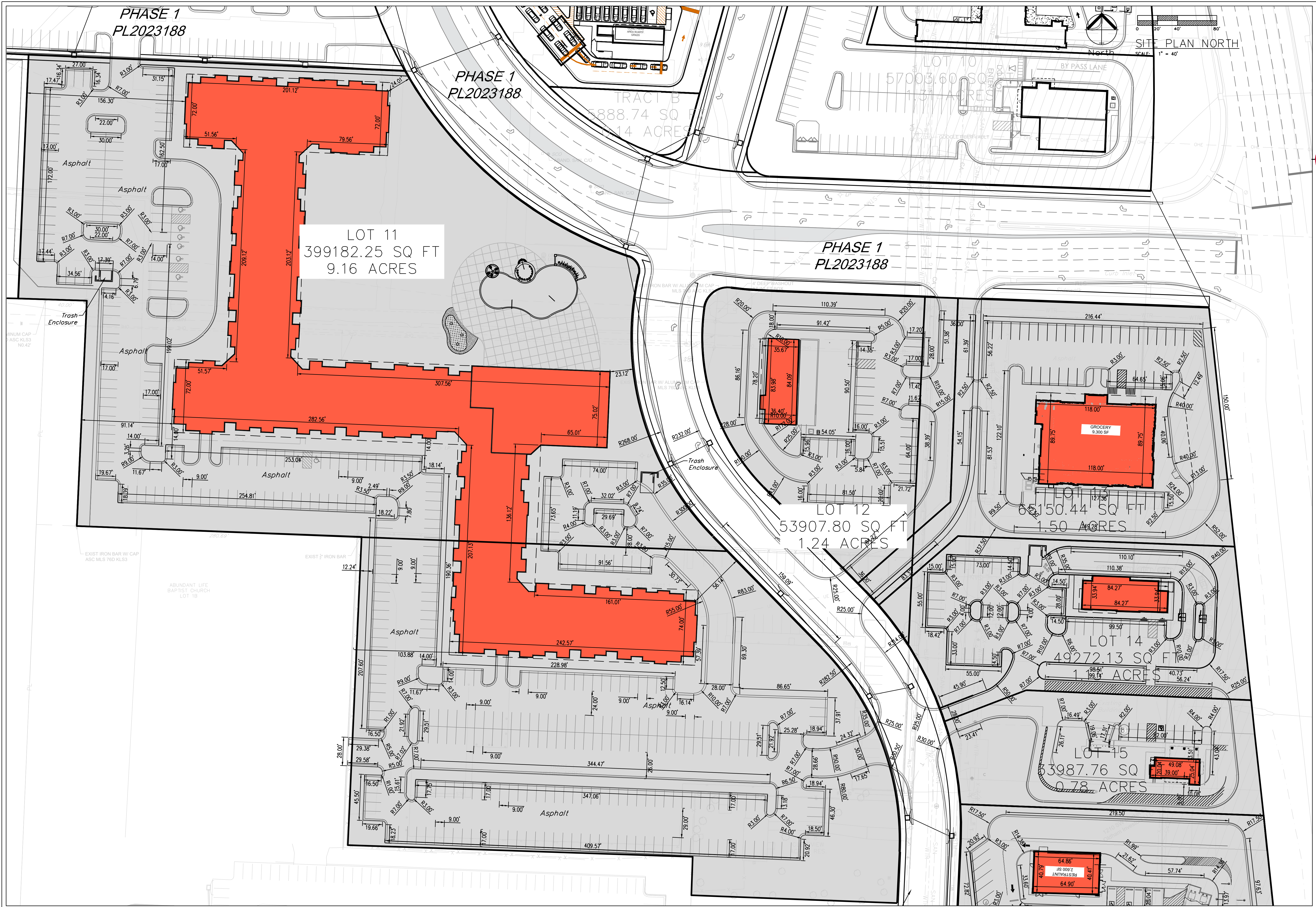
SITE PLAN
Phase 2 Preliminary Development Plans for:
Oldham Village
LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

- REV. 6/25/2024
- REV. 7/9/2024
- REV. 8/13/2024

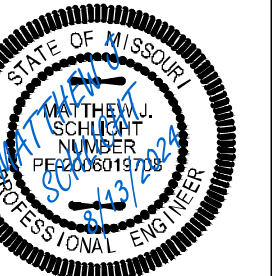


Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 2009081818-D
 Kansas
 Engineering E-1696
 Surveying LS-219
 Oklahoma
 Engineering BS-4
 Nebraska
 Engineering CA2821

Project:
 Oldham Village
 Lees Summit, Jackson County, Missouri

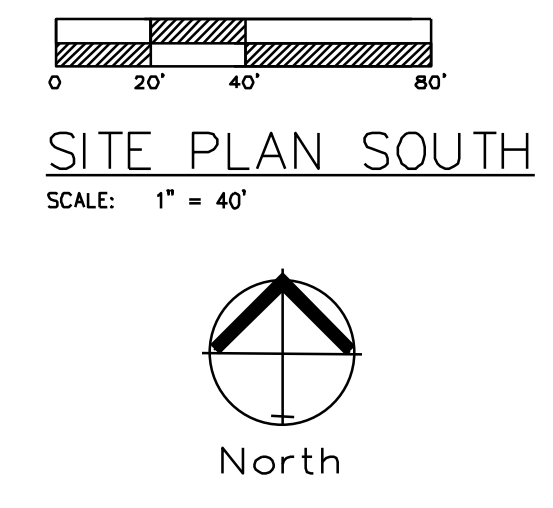
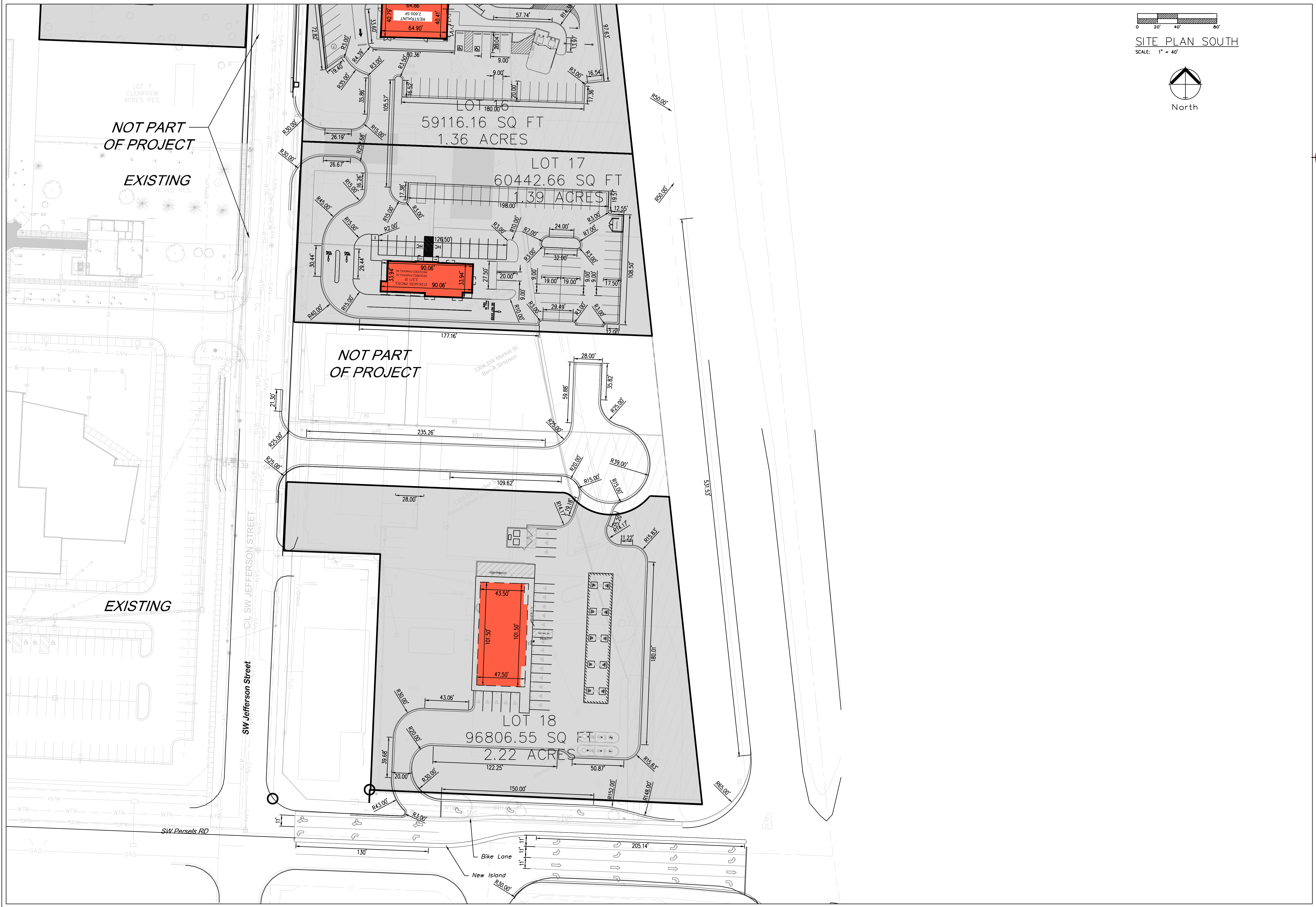
Issue Date:
 June 10, 2024

Phase 2 Preliminary Development Plans for:
 Oldham Village
 Lees Summit, Jackson County, Missouri



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 190971
 OK PE 25228

- REVISIONS
- ▲ REV. 6/25/2024
 - ▲ REV. 7/9/2024
 - ▲ REV. 8/13/2024

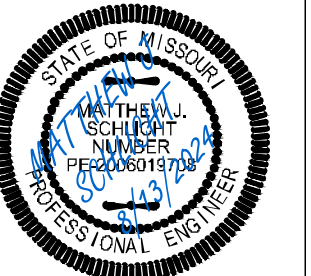


Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 200500185-D
 Kansas
 Engineering E-1686
 Surveying LS-219
 Oklahoma
 Engineering B254
 Nebraska
 Engineering CA2821

Project:
 OLDHAM VILLAGE
 Issue Date:
 June 10, 2024

Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

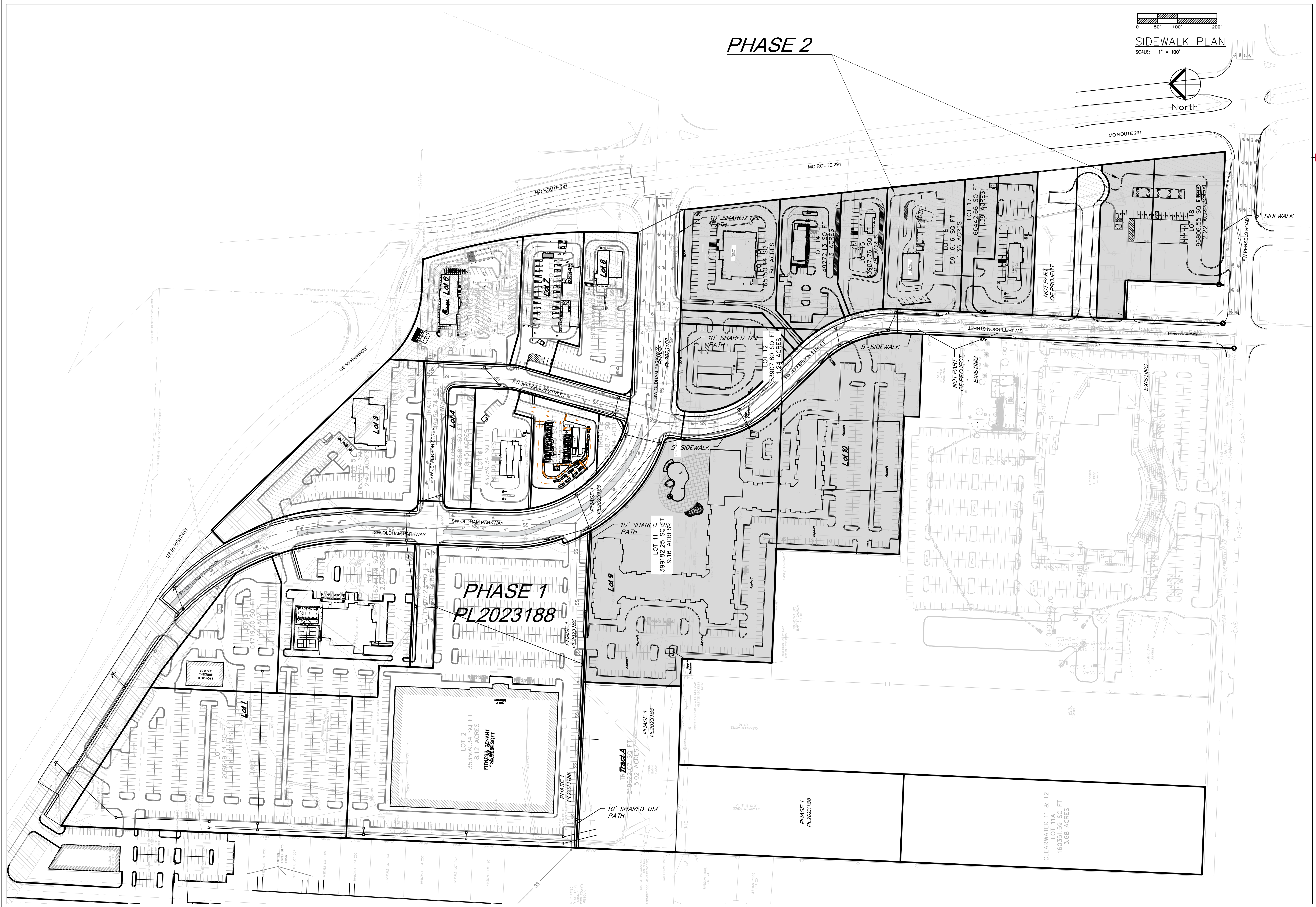
SITE PLAN SOUTH
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS

REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024



PHASE 2

SIDEWALK PLAN
SCALE: 1" = 100'



Professional Registration
Missouri
Engineering 200500185-D
Surveying 2009081819-D
Kansas
Engineering 5-1686
Surveying LS-219
Oklahoma
Engineering 8254
Nebraska
Engineering CA2821

Project: **Oldham Village**
Location: **LEES SUMMIT, JACKSON COUNTY, MISSOURI**

Issue Date:
June 10, 2024

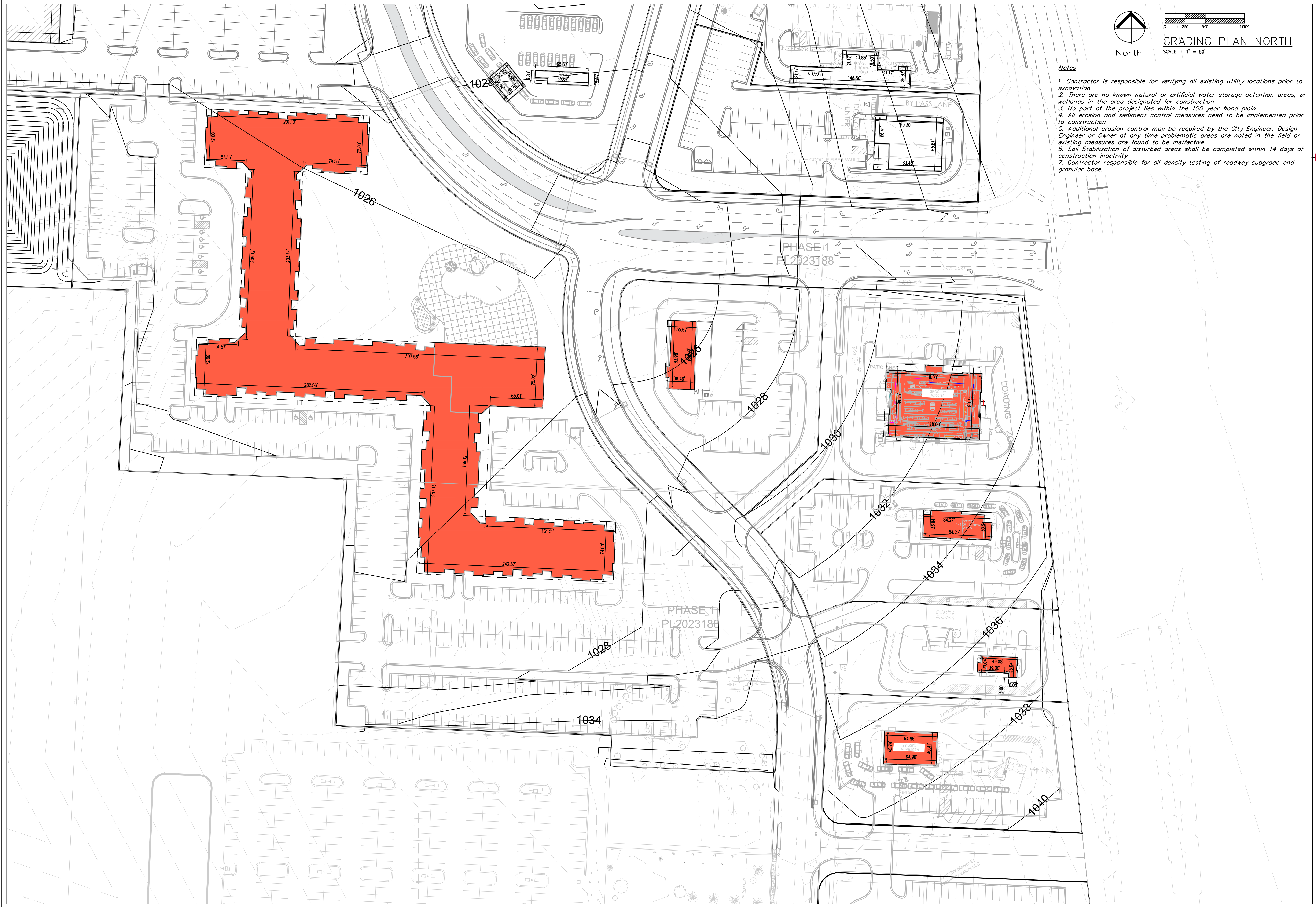
SITE PLAN
Phase 2 Preliminary Development Plans for:
Oldham Village
LEES SUMMIT, JACKSON COUNTY, MISSOURI



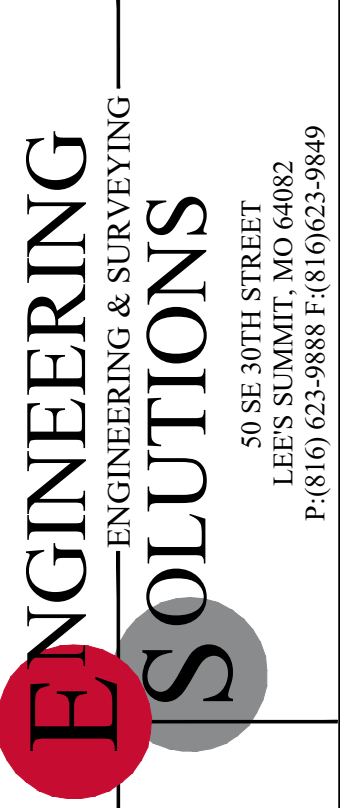
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024



- Notes**
1. Contractor is responsible for verifying all existing utility locations prior to excavation
 2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
 3. No part of the project lies within the 100 year flood plain
 4. All erosion and sediment control measures need to be implemented prior to construction
 5. Additional erosion control may be required by the City Engineer, Design Engineer or Owner at any time problematic areas are noted in the field or existing measures are found to be ineffective
 6. Soil Stabilization of disturbed areas shall be completed within 14 days of construction inactivity
 7. Contractor responsible for all density testing of roadway subgrade and granular base.

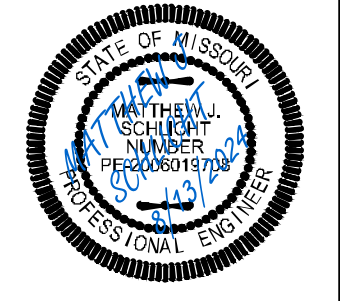


Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 202008184-D
 Kansas
 Engineering E-1696
 Surveying LS-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 OLDHAM VILLAGE
 Issue Date:
 June 10, 2024

Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

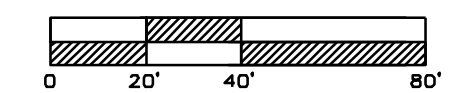
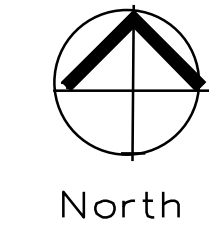
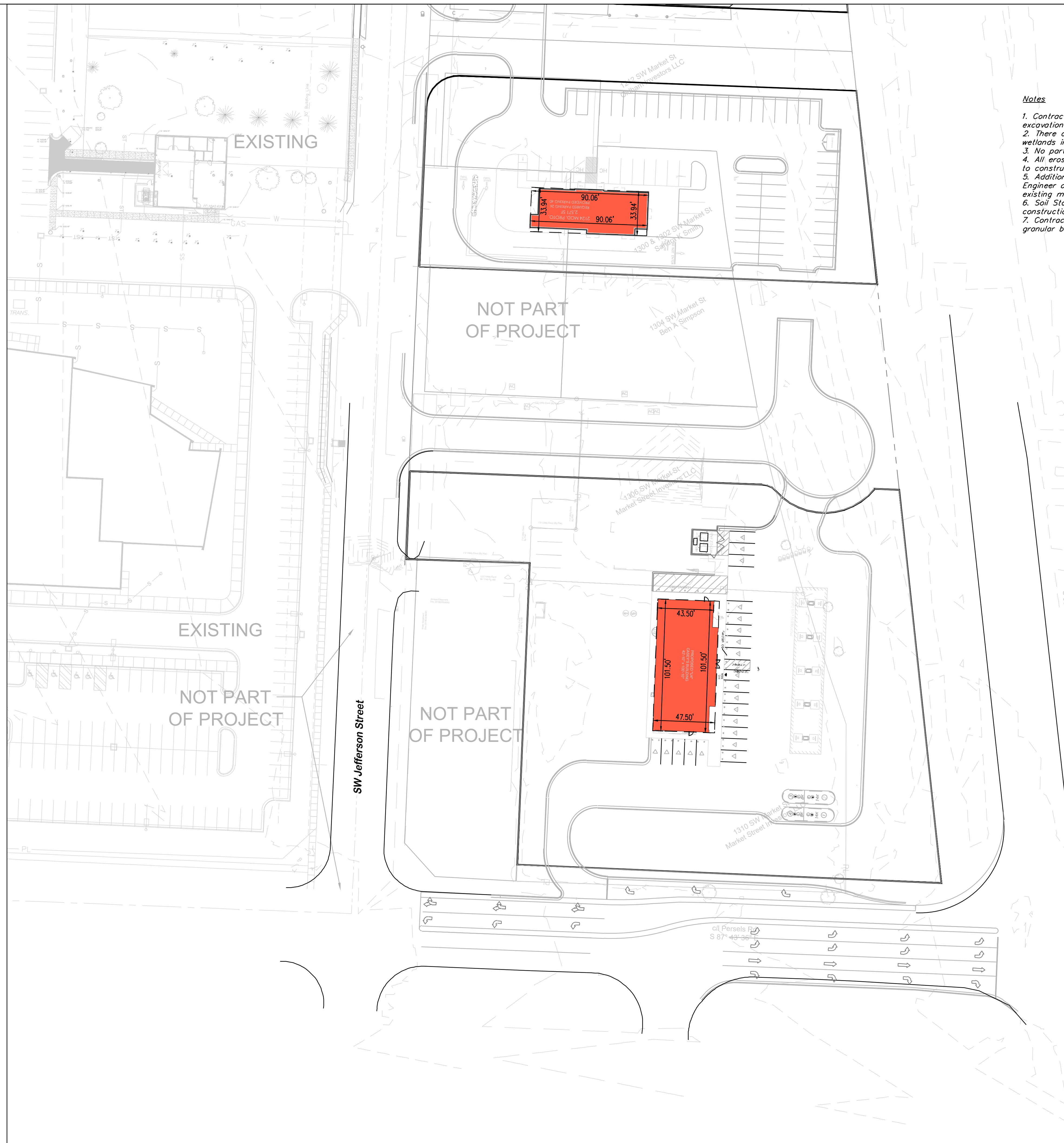
Grading Plan
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS

REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024



North
 GRADING PLAN SOUTH
 SCALE: 1" = 40'

- Notes**
1. Contractor is responsible for verifying all existing utility locations prior to excavation
 2. There are no known natural or artificial water storage detention areas, or wetlands in the area designated for construction
 3. No part of the project lies within the 100 year flood plain
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Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 202008218-D
 Kansas
 Engineering E-1686
 Surveying LS-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 OLDHAM VILLAGE
 Issue Date:
 June 10, 2024

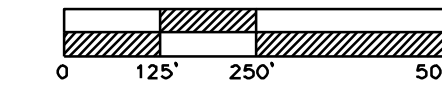
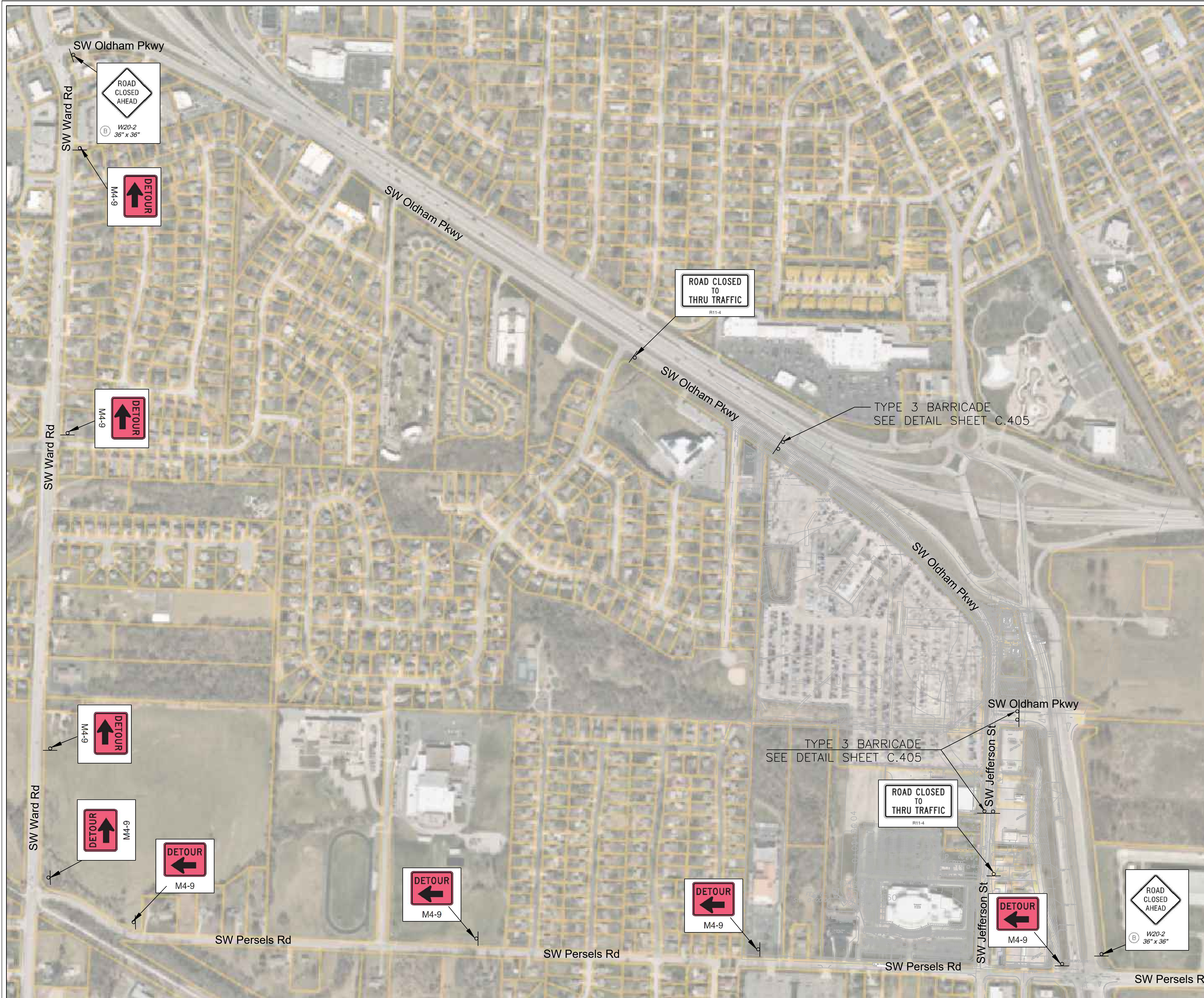
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REVISIONS

REV. 6/25/2024	
REV. 7/9/2024	
REV. 8/13/2024	



**TRAFFIC CONTROL PLAN
GENERAL LAYOUT**

SCALE: 1" = 250'

NOTES:

1. ALL SIGNS TO BE PLACED PER MUTCD MANUAL.
2. THE ROAD SHALL BE CLOSED AND WORK ONLY BE ALLOWED BETWEEN 9:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY.
3. THE STREET TO BE PLATED DURING NON-WORKING HOURS AND THE ROAD REOPENED FOR NORMAL TRAFFIC.
4. GIVEN THE DEPTH OF THE TRENCH, THE CONTRACTOR MAY DECIDE TO DO A COMPACTED BACKFILL, COMPACTION TESTING AND REPORTS WILL BE REQUIRED.
5. A RIGHT-OF-WAY AND TRAFFIC CONTROL PERMIT APPLICATION WILL NEED TO BE COMPLETED PRIOR TO COMMENCEMENT OF THE WORK.
6. A PRE-CONSTRUCTION MEETING IS REQUIRED BETWEEN THE CONTRACTOR AND THE CITY'S FIELD ENGINEERING INSPECTOR PRIOR TO COMMENCEMENT OF ANY WORK.

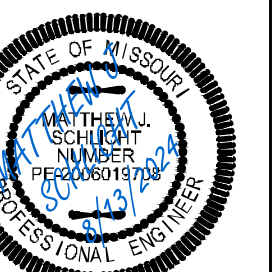


Professional Registration
 Missouri
 Engineering 2005002185-D
 Surveying 2005002185-D
 Kansas
 Engineering 5-1696
 Surveying 15-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project: Oldham Village
 Location: Oldham Village
 Lee's Summit, Jackson County, Missouri

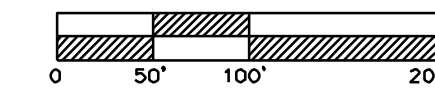
Issue Date: June 10, 2024

TRAFFIC CONTROL PLAN GENERAL LAYOUT
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS	
REV. 6/25/2024	
REV. 7/9/2024	
REV. 8/13/2024	

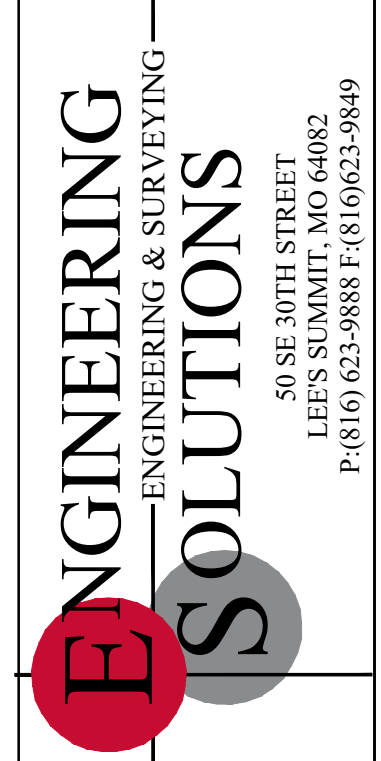


TRAFFIC CONTROL PLAN

SCALE: 1" = 100'

NOTES:

1. ALL SIGNS TO BE PLACED PER MUTCD MANUAL.
2. THE ROAD SHALL BE CLOSED AND WORK ONLY BE ALLOWED BETWEEN 9:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY.
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Professional Registration
 Missouri
 Engineering 200502185-D
 Surveying 200508184-D
 Kansas
 Engineering E-1696
 Surveying LS-219
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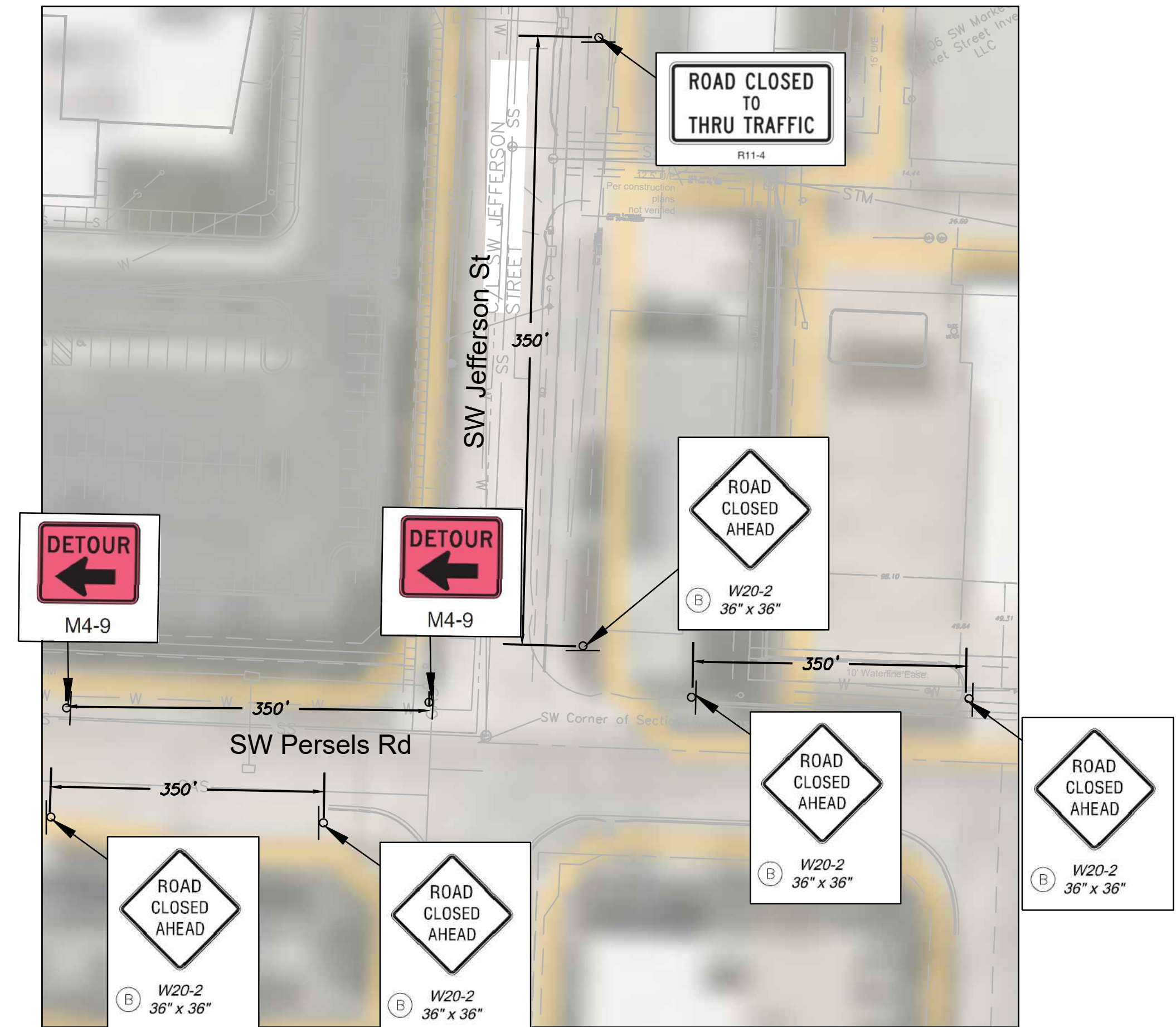
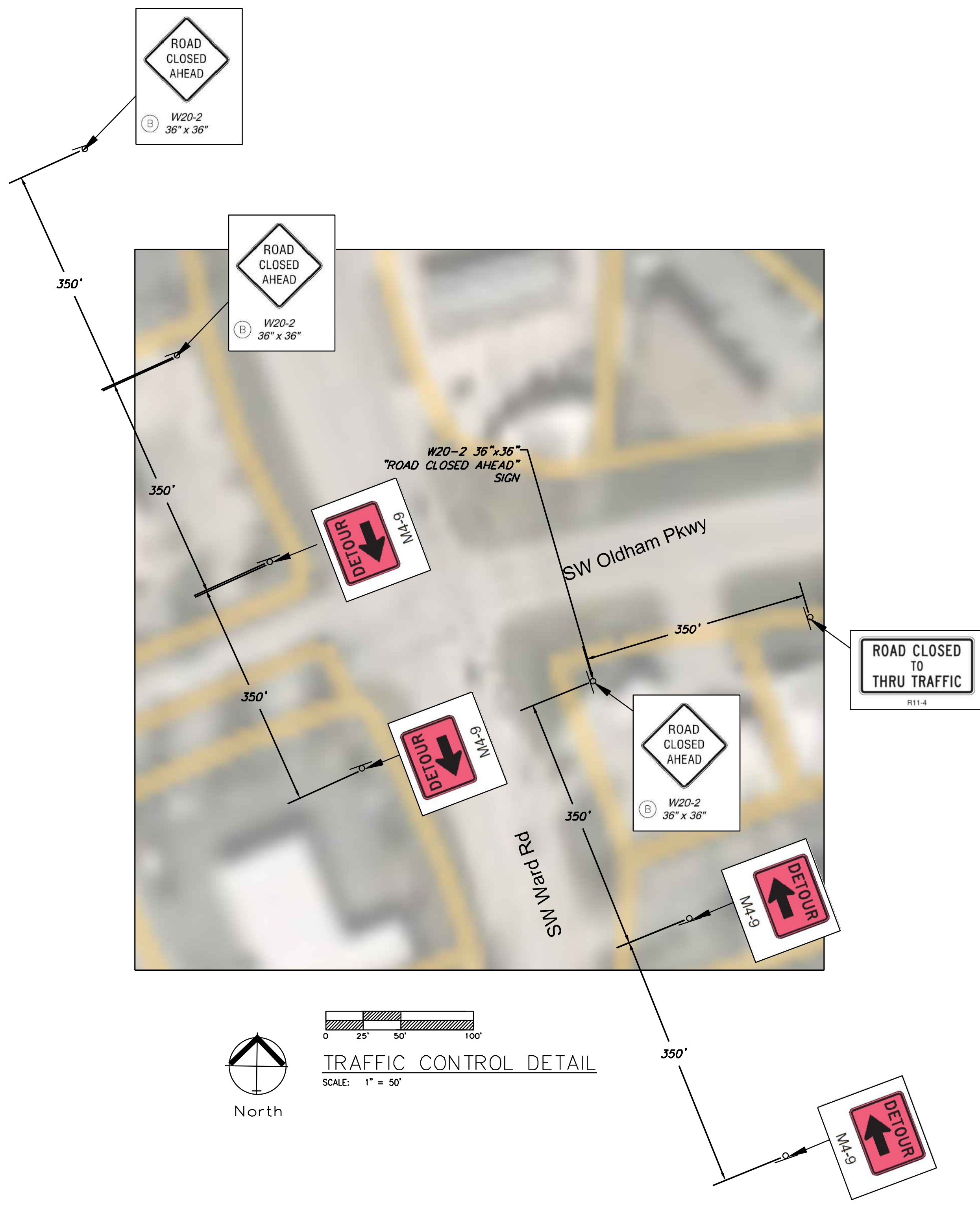
Project: Oldham Village
 Issue Date: June 10, 2024
 Lee's Summit, Jackson County, Missouri

TRAFFIC CONTROL PLAN
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 Lee's Summit, Jackson County, Missouri



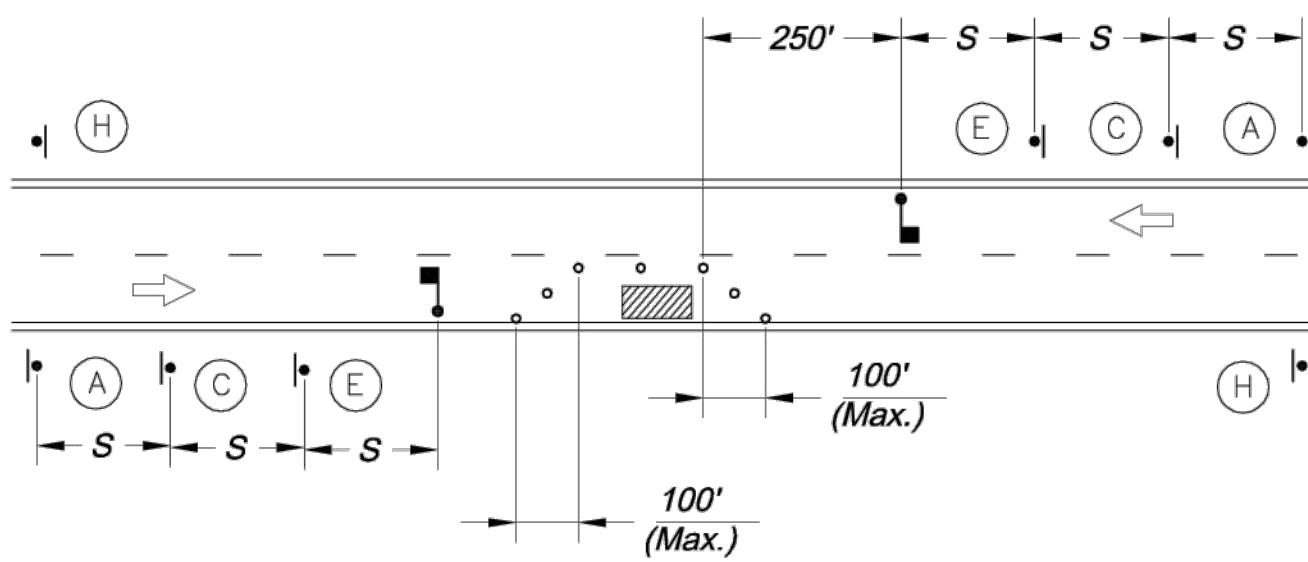
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REVISIONS	
REV. 6/25/2024	
REV. 7/9/2024	
REV. 8/13/2024	

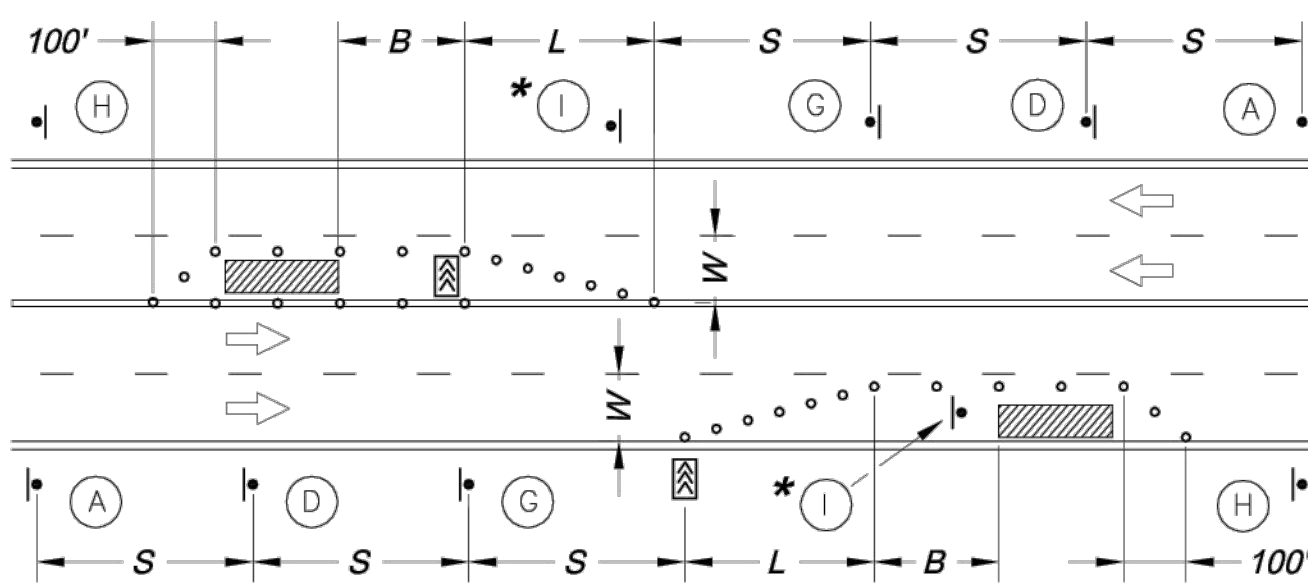


SYMBOL LEGEND

- Work Area
- Sign
- Barricade
- Direction of Travel
- Channelizer
- Arrow Panel
- Flagger

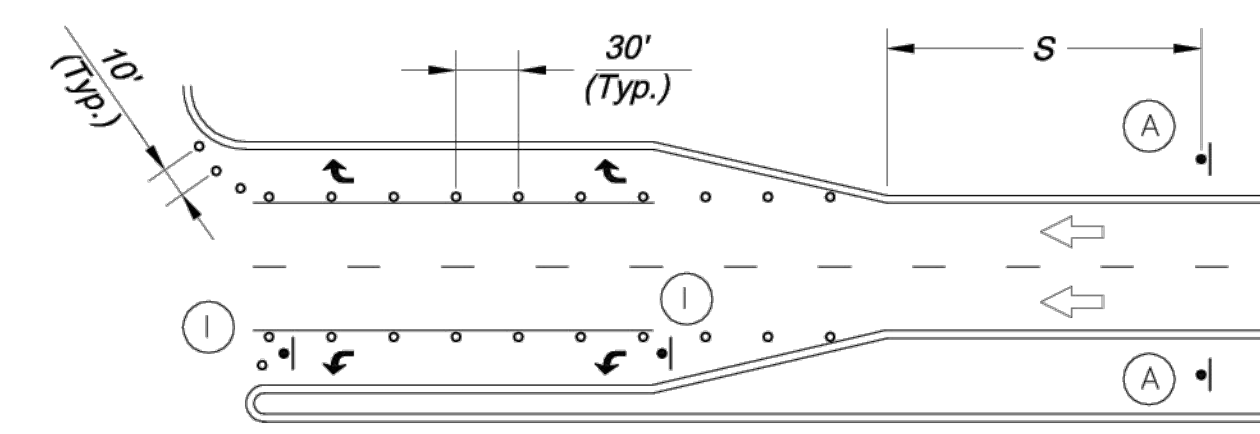


LANE CLOSURE - TWO LANE STREET



LANE CLOSURE - FOUR LANE STREET

* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed



TURN LANE CLOSURE

Sign Spacing "S"	
Speed Limit (mph)	Spacing (Feet)
25	100
30 - 35	250
≥ 40	350

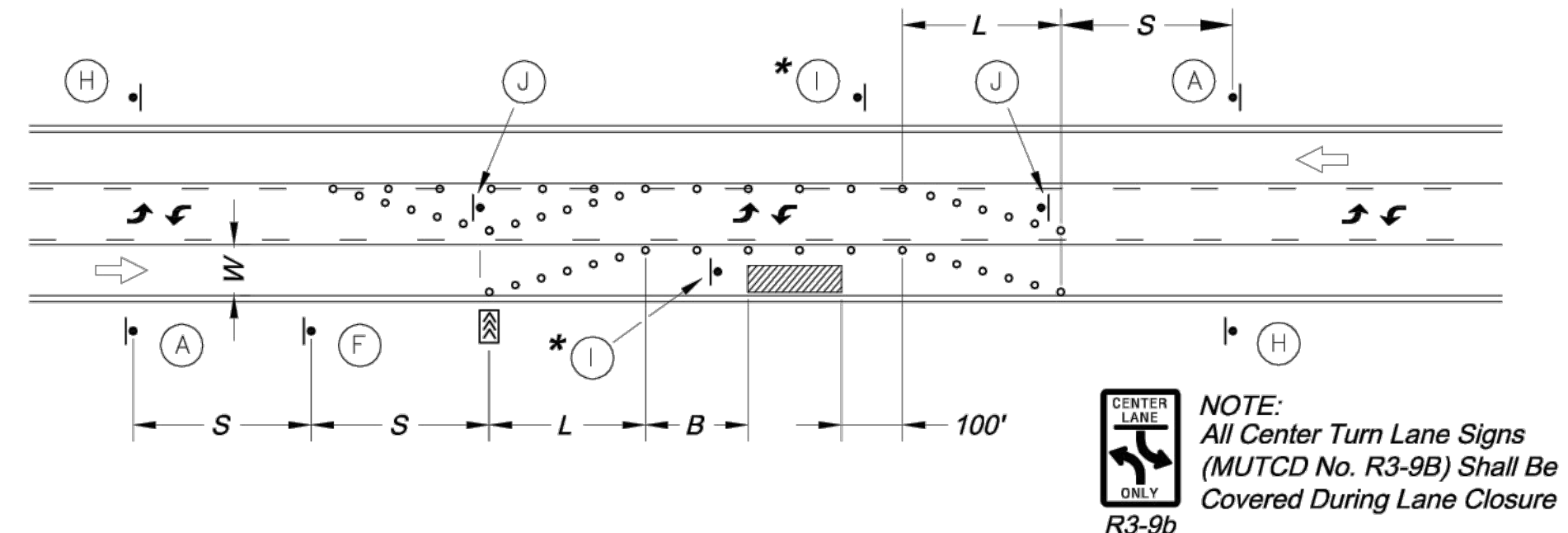
Speed Limit (mph)	Taper Dimensions (Feet)			Minimum Number of Channelizers
	Minimum Taper Length "L", per Lane Width "W"	10	11	
25	105	115	125	6
30	150	165	180	7
35	205	225	245	8
40	270	295	320	9
45	450	495	540	13

Guidelines for Length of Longitudinal Buffer Space "B"	
Speed Limit (mph)	Length (Feet)
25	35
30	55
35	85
40	120
45	170

Speed Limit (mph)	Maximum Channelizer Spacing	
	Within Taper (Feet)	Outside Taper (Feet)
25	25	50
30	30	60
35	35	70
40	40	80
45	45	90

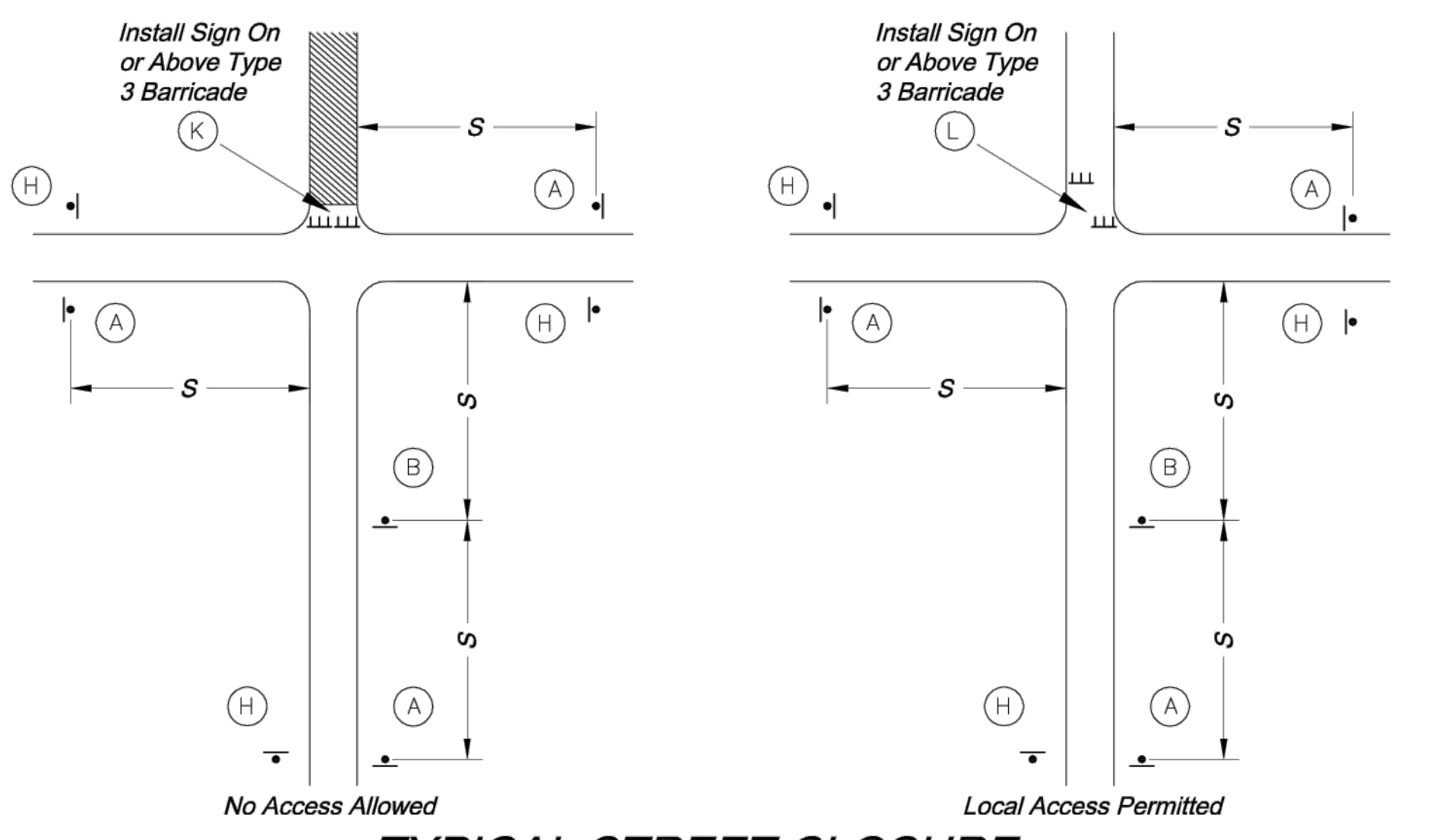
SIGN LEGEND

TYPICAL SIGNING FOR WORK ADJACENT TO THE STREET



LANE CLOSURE - THREE LANE STREET

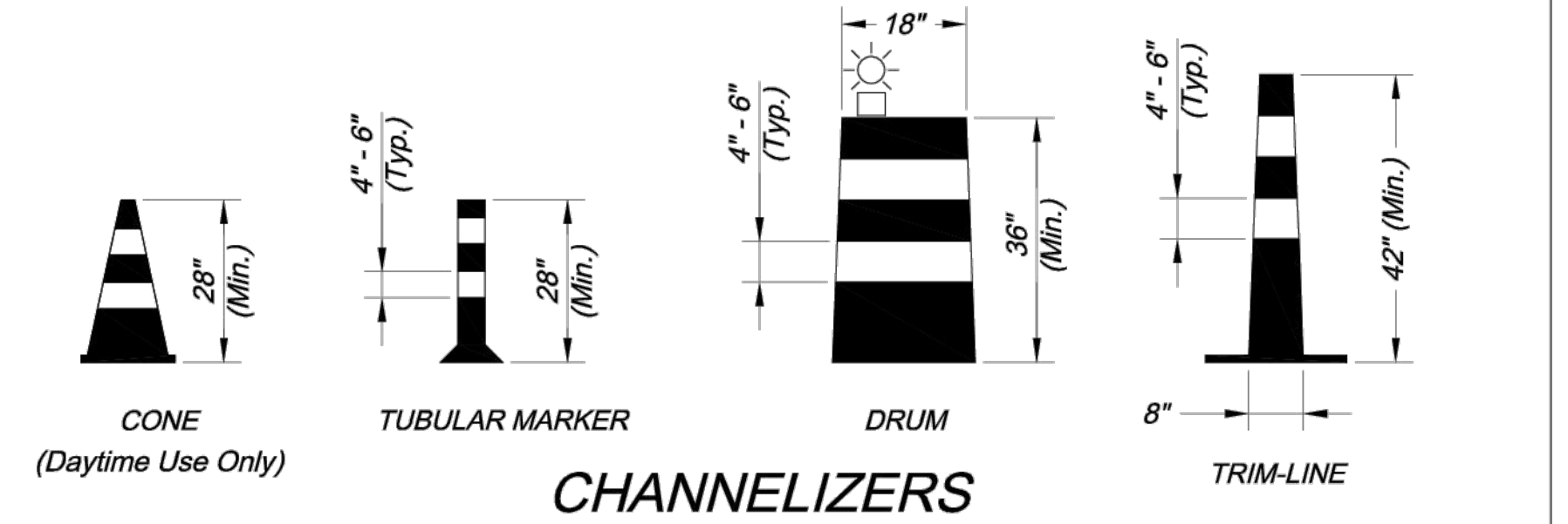
* Install Signs Every 200 Feet Throughout the Closed Lane or As Needed



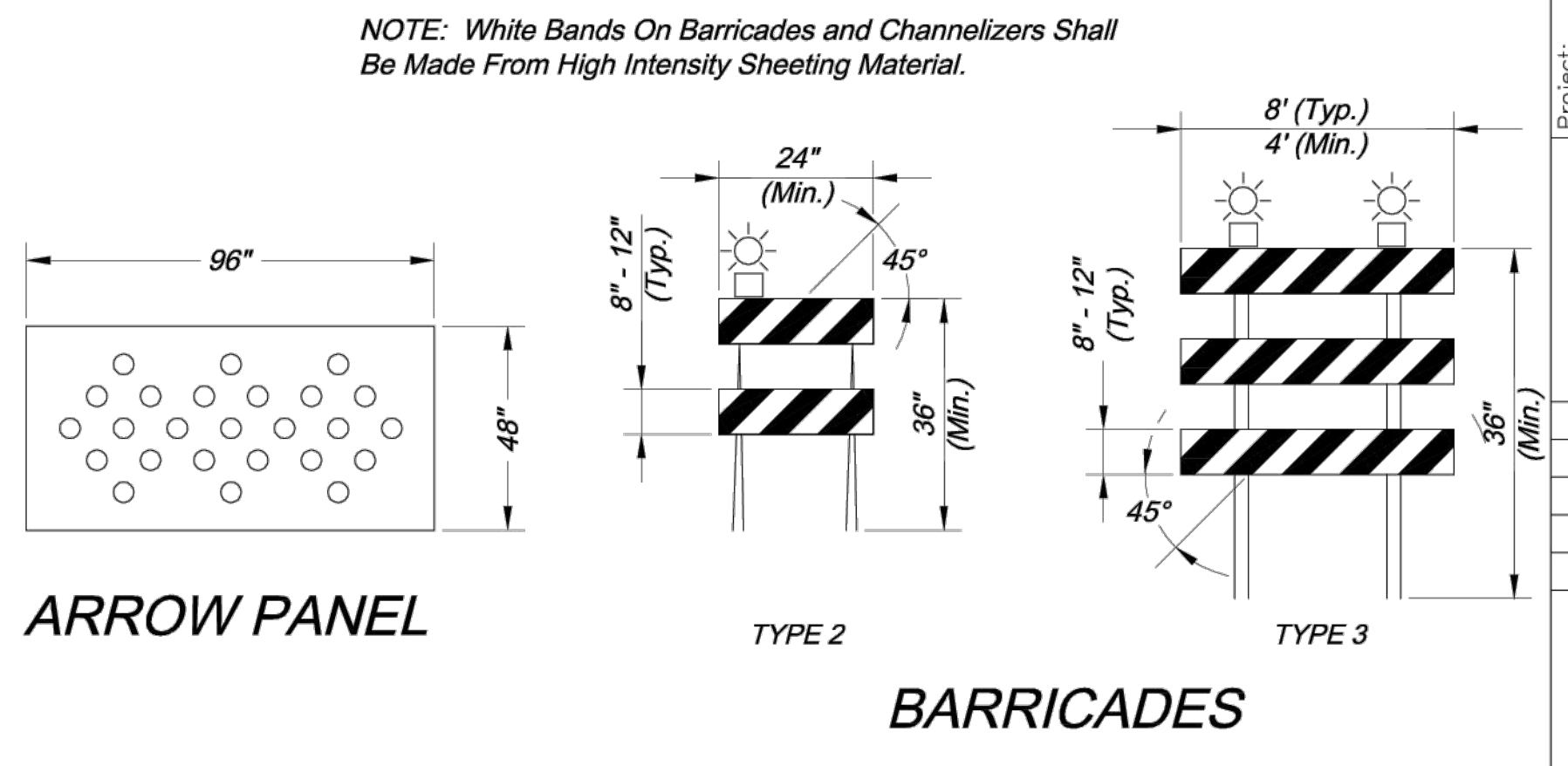
TYPICAL STREET CLOSURE

GENERAL NOTES:

- All signs, barricades, channelizers, markings and other traffic control devices shall conform to the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
- All traffic control devices shall be standard in size, shape, color, and message, in good condition, and retro-reflectorized. All signs shall be securely mounted with height and lateral location as described in the MUTCD.
- Warning lights shall be used on barricades in place at night and on warning signs which alert drivers about a change in alignment, traffic control, lane closure, or road closure.
- Flaggers shall be used where indicated on the plans, where construction vehicles interact with normal traffic, or where construction activities impose a restriction on traffic, as directed by the City Traffic Engineer. Where flaggers are used, advance signing shall be erected as shown in the details or as specified in the MUTCD. Flaggers shall meet the requirements in the MUTCD in regard to character, training, attire, and behavior.
- Trim-lines are the City's preferred channelizing device. Cones may not be used at nighttime.
- Traffic control devices not in use or not applicable shall be either covered or removed from the work area.
- The Contractor shall use barricades, street plates, or fencing as needed to effectively shield pedestrian and vehicular traffic from exposed objects, excavations, and construction activities.
- Access shall be maintained to all driveways and side streets unless noted otherwise on the plans.
- No street shall be closed without the approval of the City Traffic Engineer. The Contractor shall notify the City Traffic Engineer at least 7 days in advance of any street closure. If a detour route around the closure is to be provided, all detour signing shall be as shown on a plan approved by the City Traffic Engineer.
- Construction vehicles parked along streets shall be located within the work area (traffic control) or where otherwise normally permitted. Construction materials, including traffic control and vehicles shall not restrict sight distance for vehicles exiting at streets or drives.
- Construction materials shall be kept off of sidewalks, consolidated in one location within City right-of-way, and removed daily unless otherwise approved by the Inspector. Dirt, mud, and other construction debris on streets and sidewalks shall be removed immediately.
- The Contractor shall not perform any work that will restrict vehicular traffic in any way between the hours of 7:00 a.m. and 9:00 a.m. or 4:00 p.m. and 6:00 p.m. Monday through Friday unless otherwise indicated in the specifications.
- All travel lanes should be at least 11 feet wide unless otherwise authorized by the City Traffic Engineer. A "Narrow Lanes" sign shall be installed in advance of a lane width reduction to less than 11 feet.
- All edge drop-offs of more than 2 inches and less than 4 inches should be protected by a wedge or barrier and all edge drop-offs greater than 4 inches shall have edge protection (see Traffic Control Specifications for edge treatment requirements).
- The "Workers" symbolic sign (MUTCD No. W21-1a) may be used instead of the "Road Work Ahead" sign for work with a duration of 12 hours or less. The "End Road Work" sign is not required to be installed after the "Workers" sign.
- No traffic signal shall be altered or modified in any way without a plan approved by the City Traffic Engineer.
- The Contractor shall be responsible for maintaining all traffic control devices on an around-the-clock basis, whether or not work is actively being pursued and any deficiencies noted shall be corrected immediately.
- The traffic control requirements shown on these plans are minimum requirements only and do not attempt to address in depth the variety of situations that may occur once construction has started. In no way do the requirements shown on these plans relieve the Contractor of his responsibility for selecting the proper traffic control devices and implementation procedures that will assure the safety of drivers, pedestrians, and workers at all times.
- Should the contractor fail to enforce the traffic control plan or fail to clean, replace or otherwise maintain the traffic control devices when directed to do so by the City Traffic Engineer or representative, the City may take one or more of the following actions:
 - Employ another agency to correct deficiencies in traffic control devices and deduct the cost from the Contractor's pay estimate,
 - Stop the work until deficiencies are corrected,
 - Suspend all pay estimates until deficiencies are corrected, or
 - Place the Contractor in default.



CHANNELIZERS



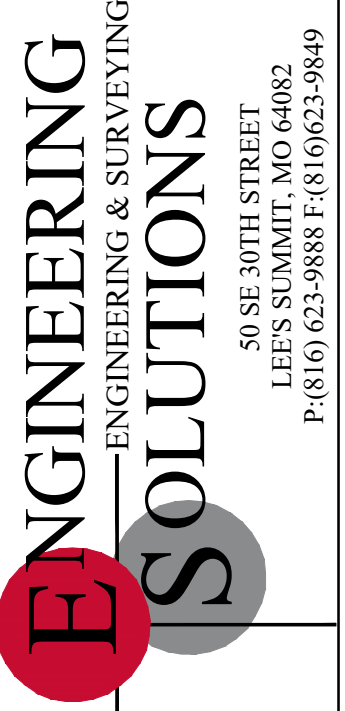
BARRICADES

CITY OF LEE'S SUMMIT
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
PHONE: (816) 969-1800 FAX: (816) 969-1809

TRAFFIC CONTROL DETAILS
STANDARD DRAWING TC-1

Project: OLDAHAM VILLAGE
Issue Date: June 10, 2024

Drawn By: JJW
Checked By: MP
Date: 12-10-2008
Project No.: X
x OF x



Professional Registration
Missouri
Engineering 200502185-D
Surveying 200503194-D
Kansas
Engineering 5-1695
Surveying 15-219
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Oldham Village
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

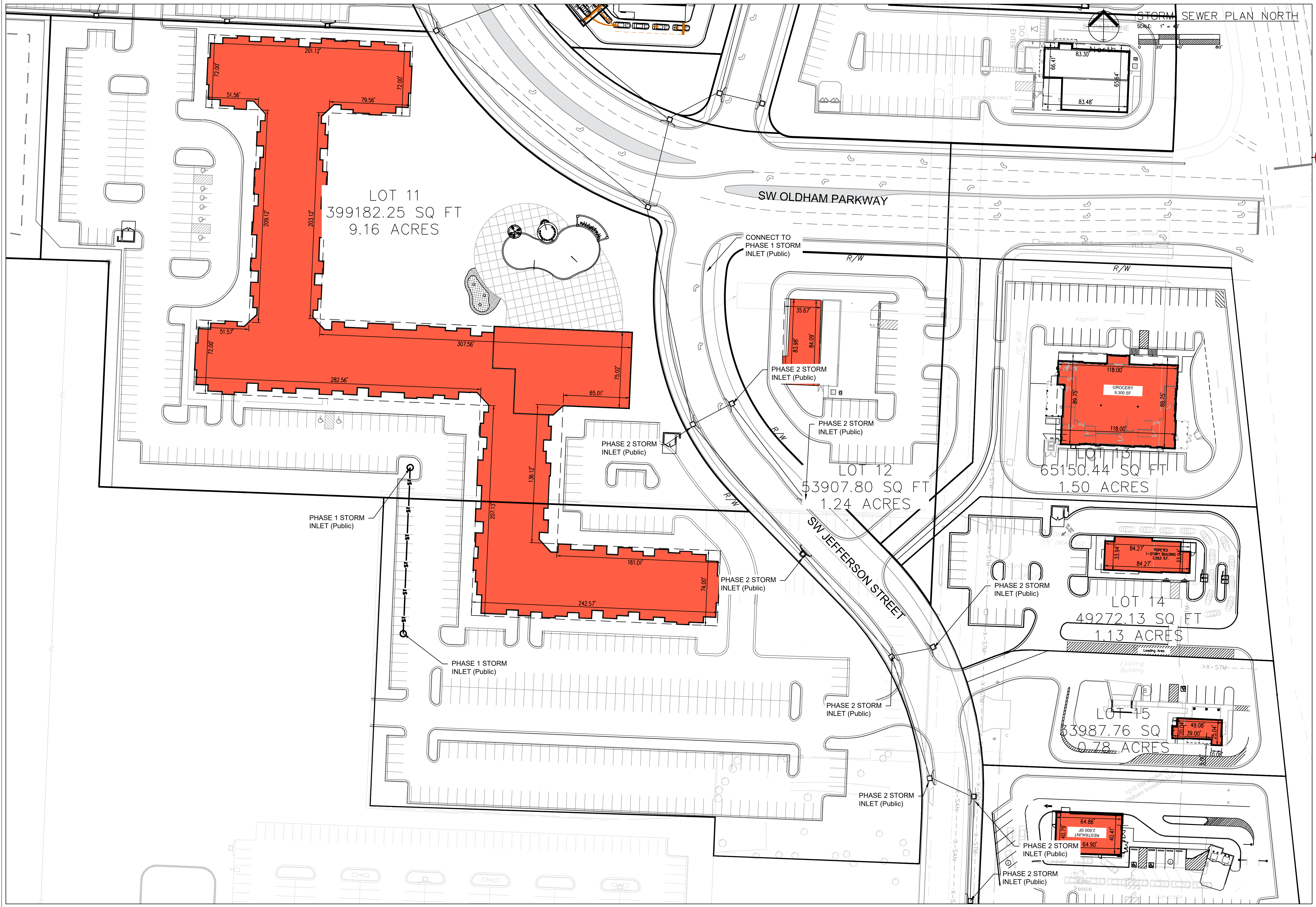
Project: OLDAHAM VILLAGE
Issue Date: June 10, 2024

TRAFFIC CONTROL STANDARD DETAILS
Phase 2 Preliminary Development Plans for:
Oldham Village
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

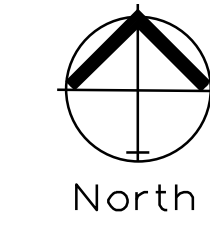
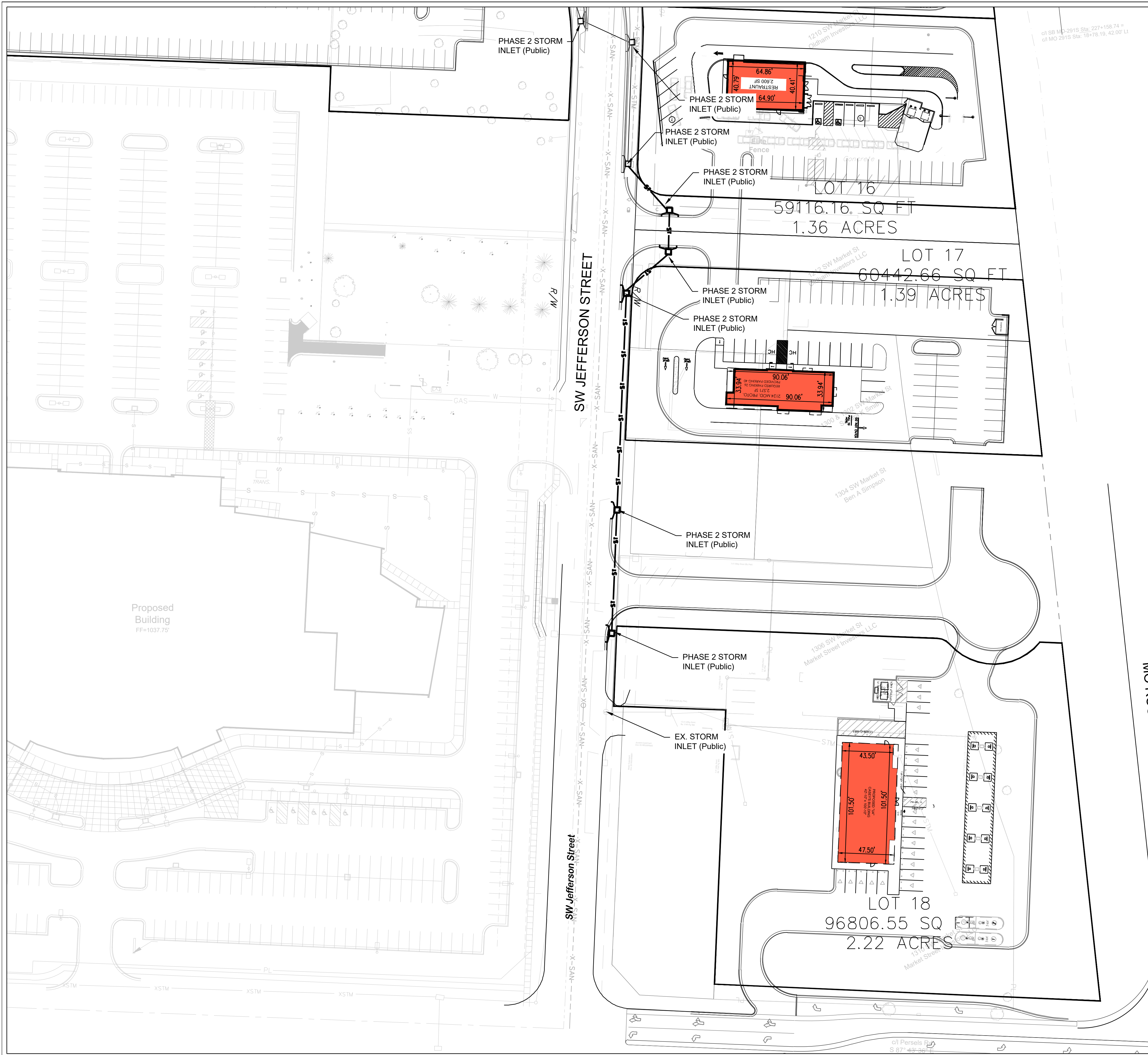
REVISIONS
REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024



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 KS PE 19071
 OK PE 25226

REVISIONS

REV. 6/25/2024
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REV. 8/13/2024



STORM SEWER PLAN SOUTH

SCALE: 1" = 40'
 0 20' 40' 80'

LEGEND:

Existing Underground Power	—UGP—	—UGP—
Existing Conc. Curb & Gutter	=====	
Existing Wood Fence	-X-X-	-X-X-
Existing Gas Main	—GAS—	—GAS—
Existing Water Main	-X-W/M-	-X-W/M-
Existing Storm Sewer	-X-STM-	-X-STM-
Existing Sanitary Sewer	-X-SAN-	-X-SAN-
Existing Underground Telephone	—UGT—	—UGT—
Existing Overhead Power	—OHE—	
Proposed Storm Sewer (Private)	—ST—	—ST—
Proposed Storm Sewer (Public)	—S—	—S—
Proposed Sanitary Sewer	—SS—	—SS—
Proposed Underground Power	—UGT—	—UGT—
Proposed Gas Service	—GAS—	
Proposed D.I.P. Water	—W—	
Proposed Electrical Service	—UGP—	—UGP—



Professional Registration
 Missouri
 Engineering 200502185-D
 Surveying 200503184-D
 Kansas
 Engineering S-1896
 Surveying LS-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 OLDHAM VILLAGE
 Issue Date:
 June 10, 2024

Storm Sewer Plan
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

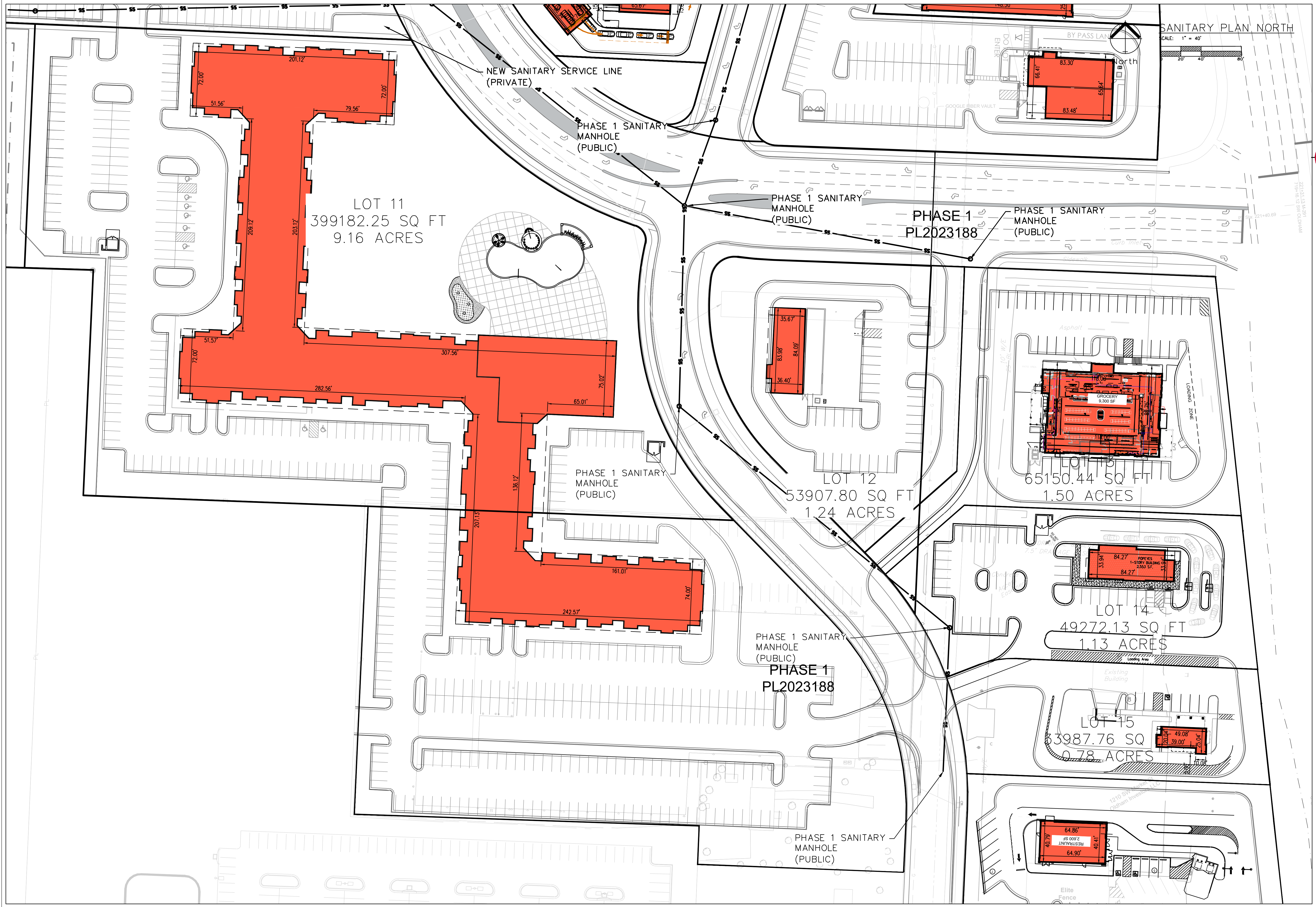
Storm Sewer Plan
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI



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 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS

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▲	REV. 8/13/2024



SANITARY PLAN NORTH
 SCALE: 1" = 40'

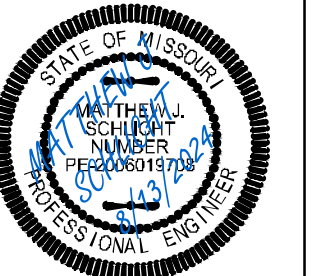


Professional Registration
 Missouri
 Engineering 202502185-D
 Surveying 202502185-D
 Kansas
 Engineering 5-1886
 Surveying 45-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 Oldham Village
 Issue Date:
 June 10, 2024

Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

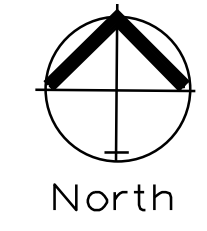
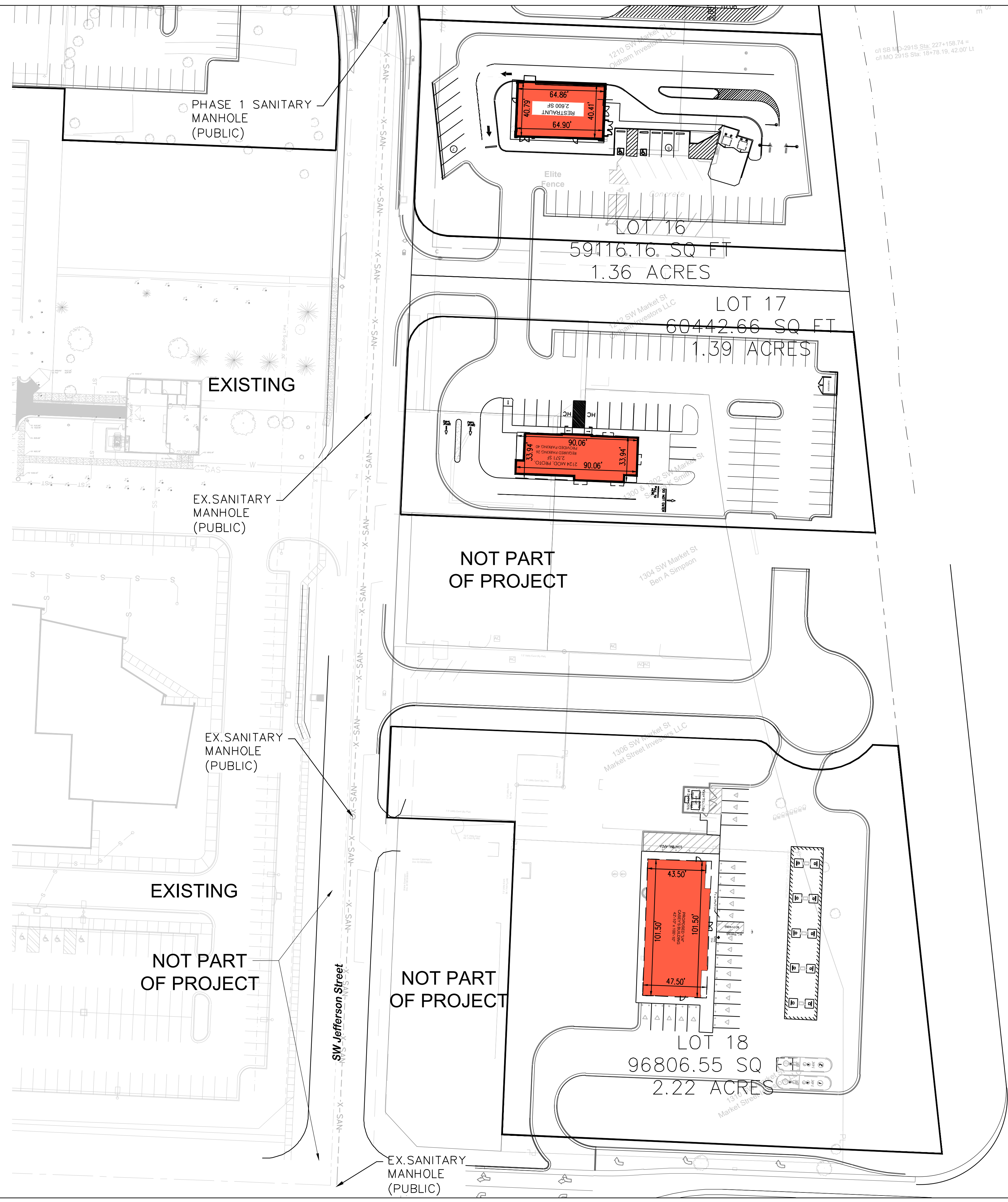
Sanitary Plan
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS

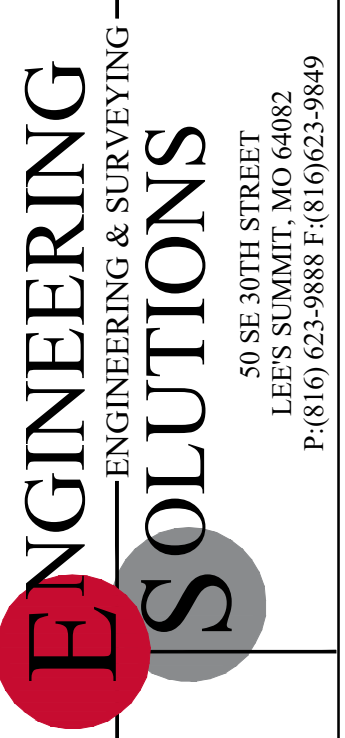
REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024



SANITARY PLAN SOUTH
 SCALE: 1" = 40'
 0 20 40 80

LEGEND:

Existing Underground Power	—UGP— UGP—
Existing Conc. Curb & Gutter	=====
Existing Wood Fence	-X-X-
Existing Gas Main	—GAS— GAS—
Existing Water Main	-X-W/M- -X-W/M-
Existing Storm Sewer	-X-STM- -X-STM-
Existing Sanitary Sewer	-X-SAN- -X-SAN-
Existing Underground Telephone	—UGT— UGT—
Existing Overhead Power	—OHE—
Proposed Storm Sewer (Private)	—ST— ST—
Proposed Storm Sewer (Public)	—S— S—
Proposed Sanitary Sewer	—SS— SS—
Proposed Underground Power	—UGT— UGT—
Proposed Gas Service	—GAS—
Proposed 8" D.I.P. Water	—W—
Proposed Electrical Service	—UGP— UGP—



Professional Registration
 Missouri
 Engineering 2006019708-D
 Surveying 2005098194-D
 Kansas
 Engineering E-1696
 Surveying LS-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

Project:
 OLDDHAM VILLAGE
 Issue Date:
 June 10, 2024

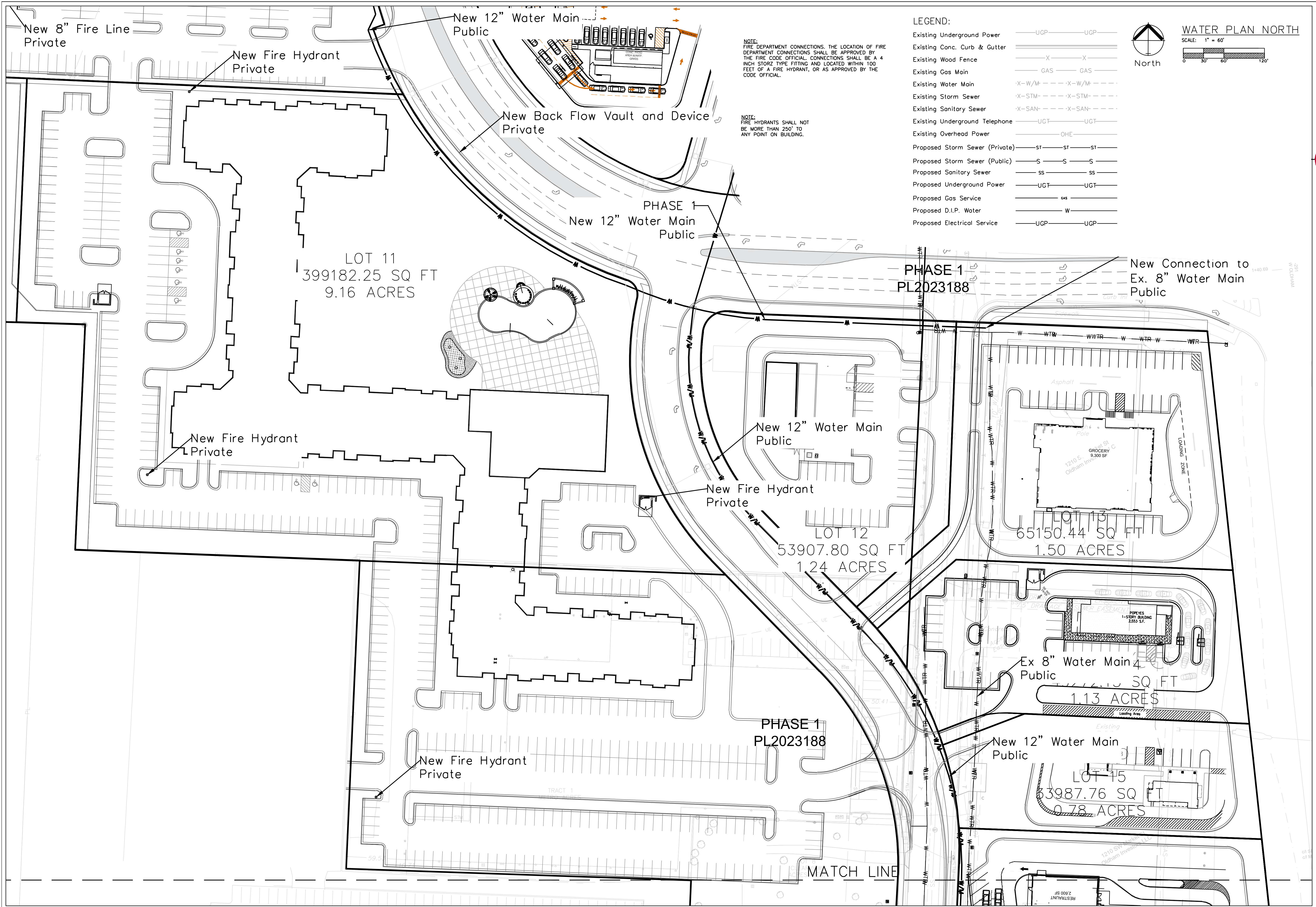
Sanitary Plan
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

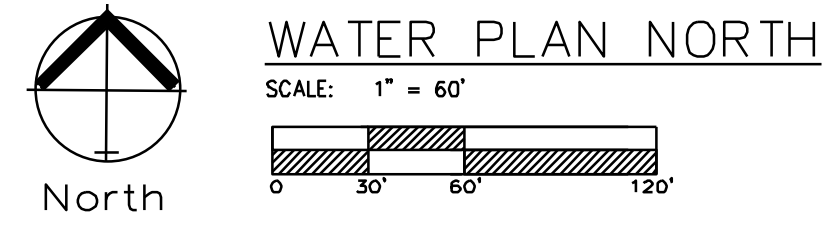
REVISIONS

▲	REV. 6/25/2024
▲	REV. 7/9/2024
▲	REV. 8/13/2024



LEGEND:

Existing Underground Power	—UGP—UGP—
Existing Conc. Curb & Gutter	=====
Existing Wood Fence	—X—X—
Existing Gas Main	—GAS—GAS—
Existing Water Main	—X-W/M—X-W/M—
Existing Storm Sewer	—X-STM—X-STM—
Existing Sanitary Sewer	—X-SAN—X-SAN—
Existing Underground Telephone	—UGT—UGT—
Existing Overhead Power	—OHE—
Proposed Storm Sewer (Private)	—ST—ST—ST—
Proposed Storm Sewer (Public)	—S—S—S—
Proposed Sanitary Sewer	—SS—SS—
Proposed Underground Power	—UGT—UGT—
Proposed Gas Service	—GAS—
Proposed D.I.P. Water	—W—W—
Proposed Electrical Service	—UGP—UGP—



NOTE:
FIRE DEPARTMENT CONNECTIONS SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. CONNECTIONS SHALL BE A 4 INCH STORZ TYPE FITTING AND LOCATED WITHIN 100 FEET OF A FIRE HYDRANT, OR AS APPROVED BY THE CODE OFFICIAL.

NOTE:
FIRE HYDRANTS SHALL NOT BE MORE THAN 250' TO ANY POINT ON BUILDING.



Professional Registration
 Missouri
 Engineering 202502185-D
 Surveying 202502184-D
 Kansas
 Engineering 5-1895
 Surveying 45-219
 Oklahoma
 Engineering 8254
 Nebraska
 Engineering CA2821

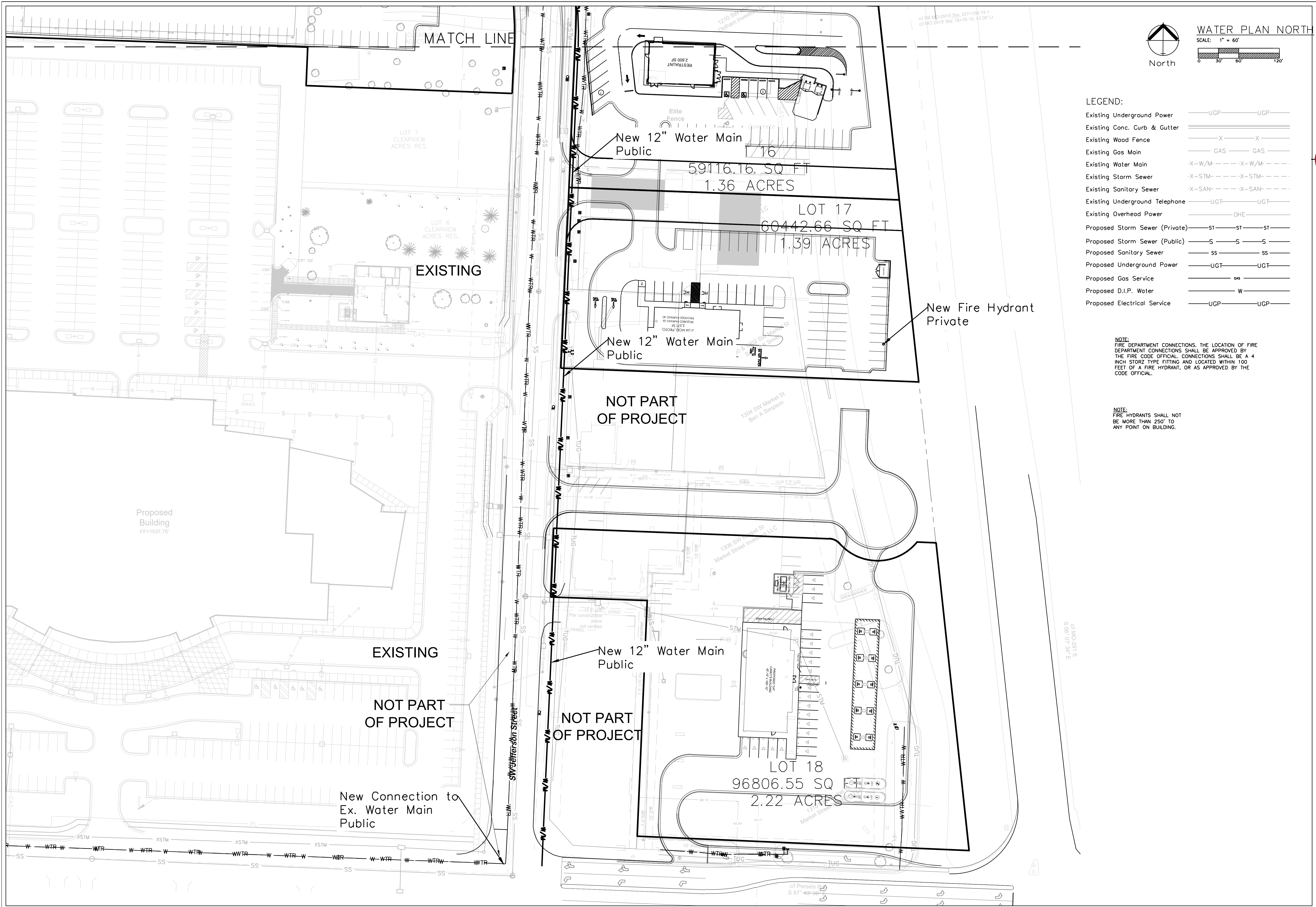
Project:
 Oldham Village
 Issue Date:
 June 10, 2024

Water Utility Plan - North
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

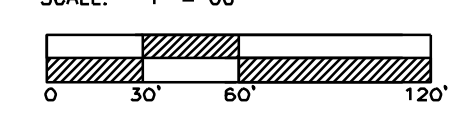


REVISIONS

REV. 6/25/2024
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REV. 8/13/2024



WATER PLAN NORTH

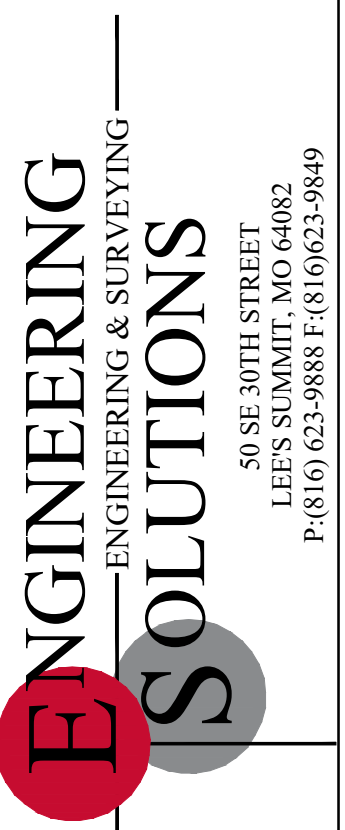


LEGEND:

Existing Underground Power	—UGP— UGP—
Existing Conc. Curb & Gutter	=====
Existing Wood Fence	-X-X-
Existing Gas Main	—GAS— GAS—
Existing Water Main	-X-W/M- -X-W/M-
Existing Storm Sewer	-X-STM- -X-STM-
Existing Sanitary Sewer	-X-SAN- -X-SAN-
Existing Underground Telephone	—UGT— UGT—
Existing Overhead Power	—OHE—
Proposed Storm Sewer (Private)	—ST— ST—
Proposed Storm Sewer (Public)	—S— S—
Proposed Sanitary Sewer	—SS— SS—
Proposed Underground Power	—UGT— UGT—
Proposed Gas Service	—GAS—
Proposed D.I.P. Water	—W—
Proposed Electrical Service	—UGP— UGP—

NOTE:
FIRE DEPARTMENT CONNECTIONS. THE LOCATION OF FIRE DEPARTMENT CONNECTIONS SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. CONNECTIONS SHALL BE A 4 INCH STORZ TYPE FITTING AND LOCATED WITHIN 100 FEET OF A FIRE HYDRANT, OR AS APPROVED BY THE CODE OFFICIAL.

NOTE:
FIRE HYDRANTS SHALL NOT BE MORE THAN 250' TO ANY POINT ON BUILDING.



Professional Registration
Missouri
Engineering 200602185-D
Surveying 200503149-D
Kansas
Engineering S-1886
Surveying LS-218
Oklahoma
Engineering 8254
Nebraska
Engineering CA2821

Project:
OLDHAM VILLAGE
Issue Date:
June 10, 2024

Water Utility Plan - North
Phase 2 Preliminary Development Plans for:
Oldham Village
LEES SUMMIT, JACKSON COUNTY, MISSOURI

Project:
OLDHAM VILLAGE
Issue Date:
June 10, 2024

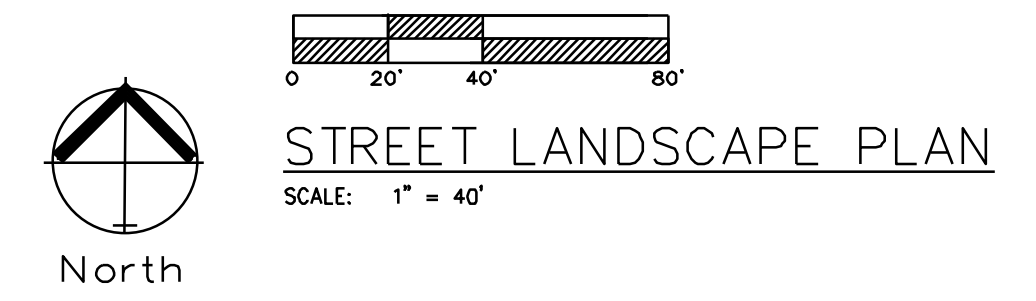
Water Utility Plan - North
Phase 2 Preliminary Development Plans for:
Oldham Village
LEES SUMMIT, JACKSON COUNTY, MISSOURI



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

△	REV. 6/25/2024
△	REV. 7/9/2024
△	REV. 8/13/2024



LANDSCAPE WORKSHEET			
	ORDINANCE REQUIREMENT	REQUIRED FOR THIS SITE	PROPOSED LANDSCAPE
B.790.A.1 Street Frontage Trees (SW PERSELS ROAD)	1 tree per 30 feet of street frontage	435 ft. of street frontage /30= 15 trees required	18 Trees Provided
B.790.A.3 Street Frontage Shrubs (SW PERSELS ROAD)	1 shrub per 20 feet of street frontage	435 ft. of street frontage /20= 22 shrubs required	35 shrubs provided
B.790.A.1 Street Frontage Trees (HWY 291)	1 tree per 30 feet of street frontage	1340 ft. of street frontage /30= 45 trees required	50 Trees Provided
B.790.A.3 Street Frontage Shrubs (HWY 291)	1 shrub per 20 feet of street frontage	1340 ft. of street frontage /20= 67 shrubs required	73 shrubs provided
B.790.A.1 Street Frontage Trees (SW Oldham Pkwy)	1 tree per 30 feet of street frontage	450 ft. of street frontage /30= 15 trees required	23 Trees Provided
B.790.A.3 Street Frontage Shrubs (SW Oldham Pkwy)	1 shrub per 20 feet of street frontage	450 ft. of street frontage /20= 23 shrubs required	39 shrubs provided
B.790.A.1 Street Frontage Trees (SW Jefferson Street)	1 tree per 30 feet of street frontage	1400 ft. of street frontage /30= 47 trees required	57 Trees Provided
B.790.A.3 Street Frontage Shrubs (SW Jefferson Street)	1 shrub per 20 feet of street frontage	1400 ft. of street frontage /20= 70 shrubs required	98 shrubs provided
B.790.B.1 Open Yard Shrubs	2 shrubs per 5000 sq. ft. of total lot area, excludes single family and duplex developments, excluding building.	500,456 sq. ft. of total lot area minus 33,624 sq. ft. of bldg. = 466,832 sq. ft. /5,000 x 2 = 187 shrubs	194 shrubs
B.790.B.3 Open Yard Trees	1 tree per 5000 sq. ft. of total lot area excluding building.	500,456 sq. ft. of total lot area minus 33,624 sq. ft. of bldg. = 466,832 sq. ft. /5,000 = 93 trees	97 Provided
B.810. Parking Lot Landscape	5% of entire parking area (spaces, aisles & drives); 1 island at end of every parking bay, min. 9' wide	143,442 sq. ft. of parking area x .05 = 7,172 sq. ft. of landscape parking lot islands required	23,985 sq. ft.

STREET SHRUBS ARE SATISFIED WITH PARKING LOT SCREENING REQUIREMENTS.

NOTE:
 LANDSCAPING WILL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 8. FINAL DETAILS OF SAID REQUIREMENT AND ALL OTHER LANDSCAPING REQUIREMENTS WILL BE REVIEWED AND APPROVED AT THE FDP STAGE.

PLANTING SCHEDULE:
 IS FOR PHASE 1 ONLY. AT FULL BUILD THE UNIFIED DEVELOPMENT ORDINANCE REQUIREMENTS SHALL BE MET.

SYMBOL	QUANT.	KEY	NAME	SIZE
Tree	187	TA	AMERICAN BASSWOOD LINDEN TILIA AMERICANA	3.0" CAL
evergreen	107	SR	SKYROCKET JUNIPER JUNIPERUS SCOPULORUM "SKYROCKET"	8' HL
Tree	346	RB	OKLAHOMA REDBUD CERCIS RENIFORMIS "OKLAHOMA"	3.0" CAL
shrub	1025	BB	BURNING BUSH EUONYMUS ALATA "COMPACTUS"	2 Gallon Pot

ENGINEERING SOLUTIONS
 ENGINEERING & SURVEYING
 50 SE 30TH STREET
 LEES SUMMIT, MO 64082
 P: (816) 623-9888 F: (816) 623-9849

Professional Registration
 Missouri
 Engineering 2005002085-D
 Surveying 2002008219-D
 Kansas
 Engineering C-1686
 Surveying LS-219
 Oklahoma
 Engineering BS24
 Nebraska
 Engineering CA2821

Project: OLDHAM VILLAGE
 Issue Date: June 10, 2024

STREET LANDSCAPE PLAN
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

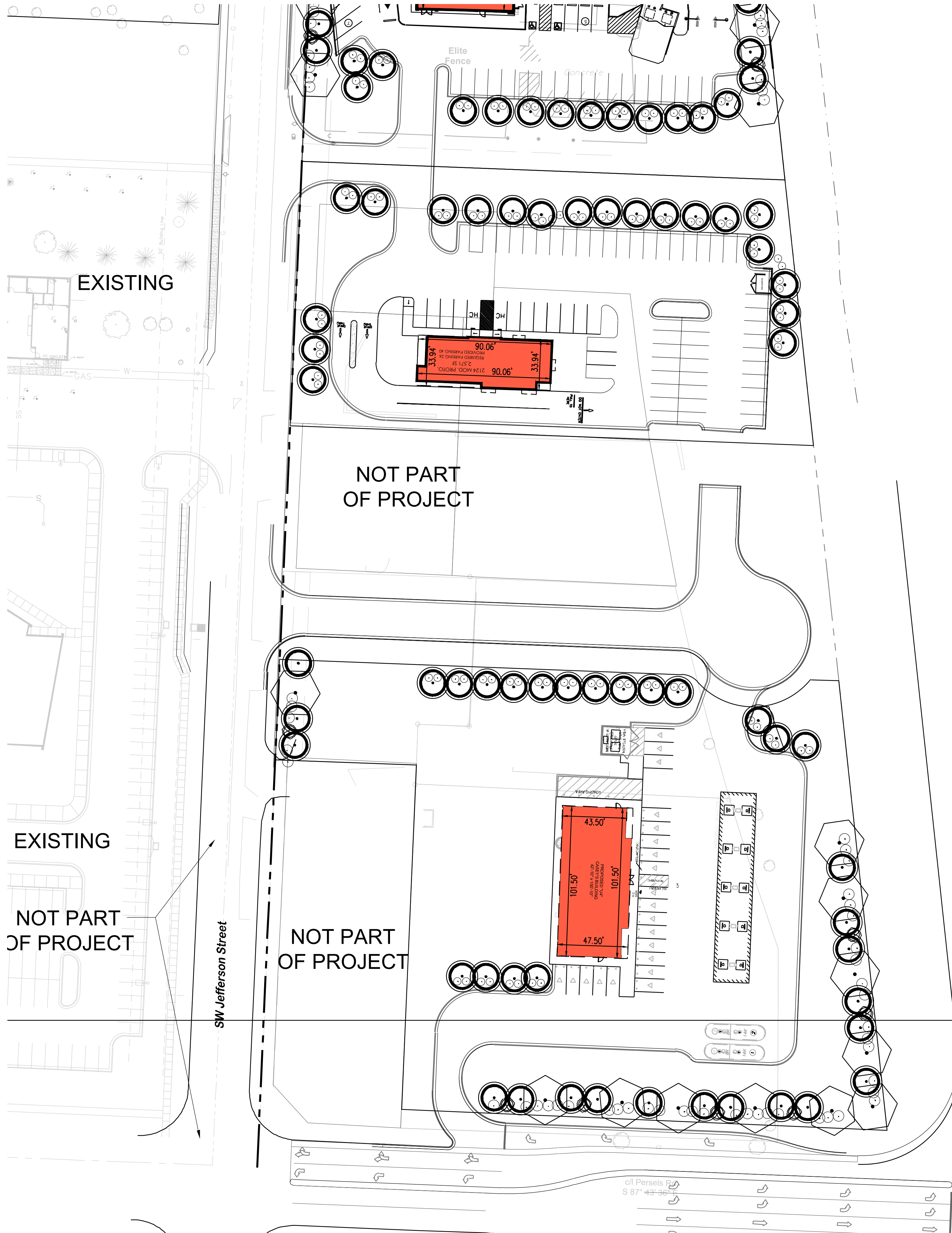
Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

STATE OF MISSOURI
 MATTHEW J. SCHLICHT
 PROFESSIONAL ENGINEER

Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

REVISIONS
 REV. 6/25/2024
 REV. 7/9/2024
 REV. 8/13/2024

L.100



North

0 20' 40' 80'

WEST LANDSCAPE PLAN

SCALE: 1" = 40'

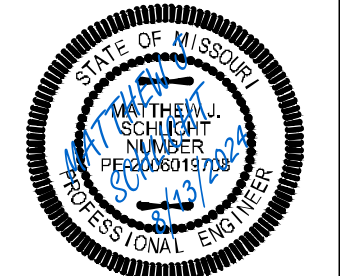


Professional Registration
 Missouri
 Engineering 200500185-D
 Surveying 200500185-D
 Kansas
 Engineering E-1696
 Surveying LS-219
 Oklahoma
 Engineering B254
 Nebraska
 Engineering CA2821

Project:
 OLDHAM VILLAGE
 Issue Date:
 June 10, 2024

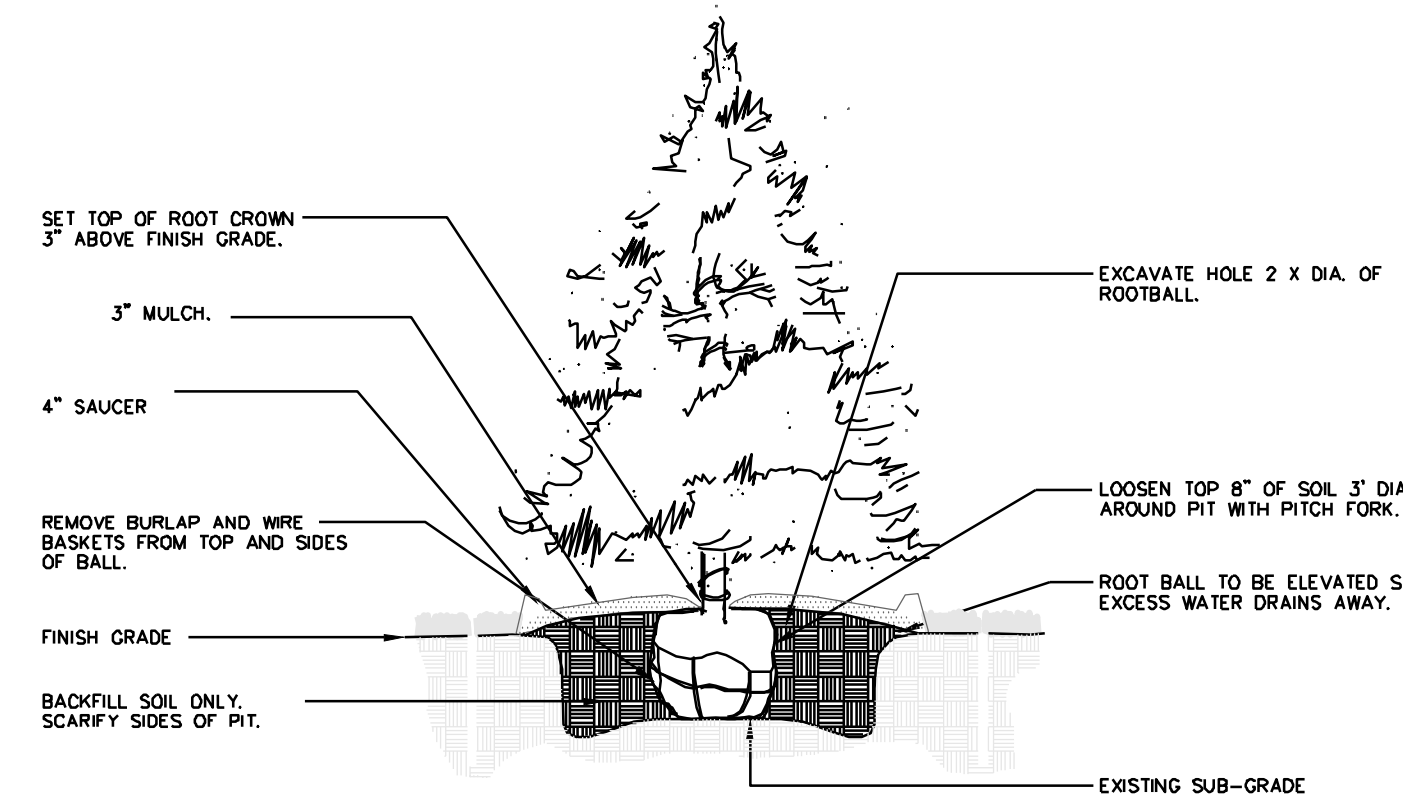
Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

WEST LANDSCAPE PLAN
 Phase 2 Preliminary Development Plans for:
 Oldham Village
 LEES SUMMIT, JACKSON COUNTY, MISSOURI

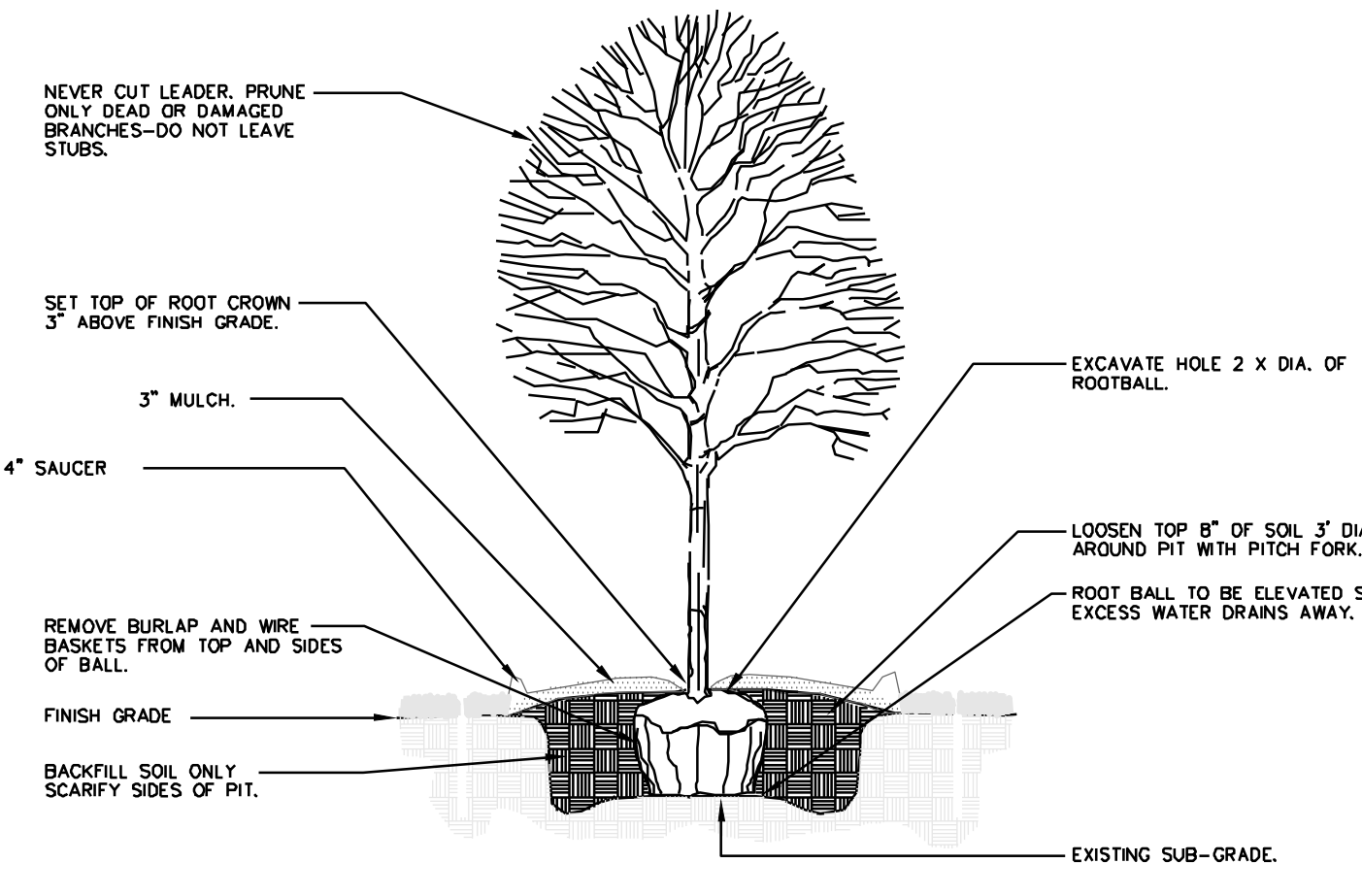


Matthew J. Schlicht
 MO PE 2006019708
 KS PE 19071
 OK PE 25226

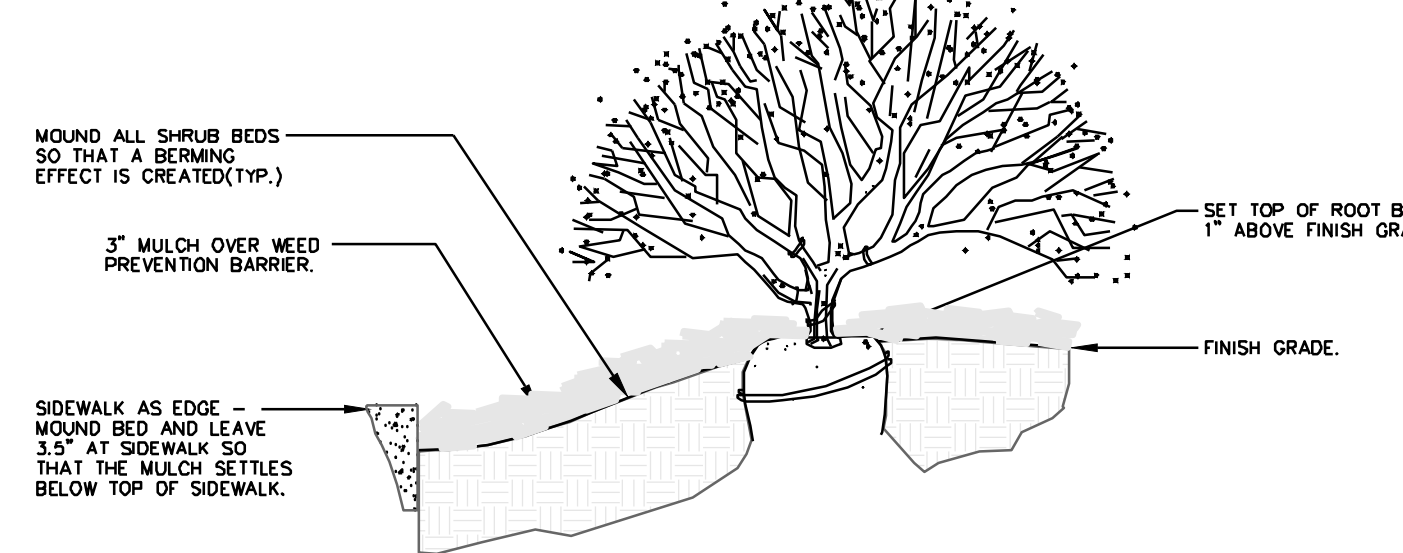
- REVISIONS
- △ REV. 6/25/2024
 - △ REV. 7/9/2024
 - △ REV. 8/13/2024



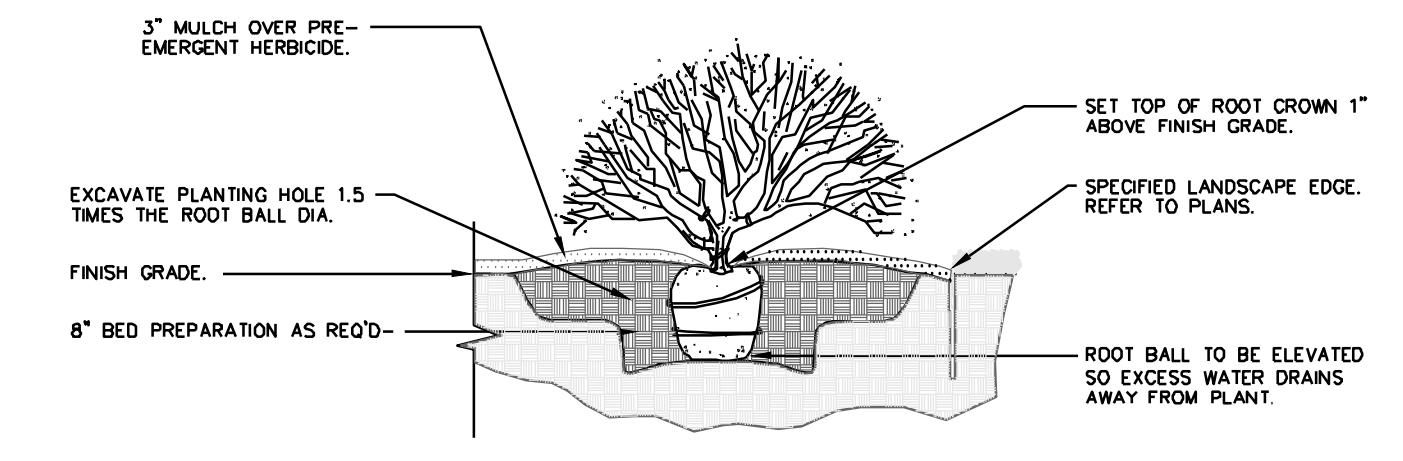
1 EVERGREEN TREE PLANTING NTR



2 DECIDUOUS TREE PLANTING NTR



3 SIDEWALK EDGE AT PLANT BED NTR



4 SHRUB PLANTING NTR

GENERAL LANDSCAPE NOTES:
PLANT MATERIAL

1. ALL PLANT MATERIAL SHALL BE FIRST CLASS REPRESENTATIVES OF SPECIFIED SPECIES, VARIETY OR CULTIVAR, IN HEALTHY CONDITION WITH NORMAL WELL DEVELOPED BRANCHES AND ROOT PATTERNS. PLANT MATERIAL MUST BE FREE OF OBJECTIONABLE FEATURES. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH PROPER STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERMEN'S "AMERICAN STANDARD OF NURSERY STOCK", ANSI Z601-2004.
2. SHRUBS SHALL BE CONTAINER GROWN AND WILL BE FREE OF DISEASE AND PESTS. NO BARE ROOT, ALL PLANT BEDS TO BE MULCHED TO A DEPTH OF 3" WITH DARK BROWN, HARDWOOD MULCH. PLANTING BEDS ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
3. HOLE AREA FOR TREE TO BE TWICE (2x) THE DIAMETER OF THE ROOT BALL AND ROOT BALL SHALL BE SLIGHTLY MOUNDED FOR WATER RUN-OFF.
4. ALL PLANT MATERIALS SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED BALLS TO KEEP MOST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESICCANT TO LEAVES BEFORE TRANSPORT TO REDUCE THE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESICCANT AFTER PLANTING TO REDUCE TRANSPIRATION. REMOVE TWINE AND BURLAP FROM ROOT BALLS' SOIL ON TOP OF CONTAINERIZED OR BALLED PLANTS IS TO BE REMOVED UNTIL ALL PLANTS' ROOT FLARES ARE EXPOSED. THIS IS THE NATIVE SOIL LINE AT WHICH PLANTING DEPTHS SHOULD BE MEASURED.
5. AFTER PLANTING IS COMPLETED, PRUNE MINIMALLY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL HABIT OR SHAPE OF THE PLANT. MAKE CUTS BACK TO BRANCH COLLAR, NOT FLUSH. DO NOT PAINT ANY CUTS WITH TREE PAINT. CENTRAL LEADERS SHALL NOT BE REMOVED.
6. GUARANTEE TREES, SHRUBS, GROUND COVER PLANTS FOR ONE CALENDAR YEAR FOLLOWING PROVISIONAL ACCEPTANCE OF THE OVERALL PROJECT. DURING THE GUARANTEE PERIOD, PLANTS THAT DIE DUE TO NATURAL CAUSES OR THAT ARE UNHEALTHY OR UNSIGHTLY IN CONDITION, SHALL BE REPLACED BY THE CONTRACTOR.

LAWN AND TURF AREAS

7. ALL LAWN AREAS TO BE SOODED OR SEEDED AS SHOWN ON PLANS. SOO SHALL COMPLY WITH US DEPT. OF AGRICULTURE RULES AND REGULATIONS UNDER THE FEDERAL SEED ACT AND EQUAL IN QUALITY TO STANDARDS FOR CERTIFIED SEED. SOO SHALL BE HEALTHY, THICK TURF HAVING UNDERGONE A PROGRAM OF REGULAR FERTILIZING, MOWING AND WEED CONTROL. SEED AND SOO SHALL BE A TURF-TYPE TALL FESCUE (3 WAY) BLEND. SEED BLEND SHALL CONSIST OF THE FOLLOWING:

TURF-TYPE TALL FESCUE	90%
KENTUCKY BLUEGRASS	10%
8. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW OR HYDROMULCH AT TIME OF INSTALLATION UNTIL SEED HAS ESTABLISHED.

INSTALLATION

9. THE INSTALLATION OF ALL PLANT MATERIALS SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT, MO, AND LANDSCAPE INDUSTRY STANDARDS.
10. ALL LANDSCAPE AREAS TO BE FREE OF ALL BUILDING DEBRIS AND TRASH, BACK FILLED WITH CLEAN FILL SOIL AND TOP DRESSED WITH 4" OF TOPSOIL. TOPSOIL SHALL HAVE A pH RANGE OF 5.5 TO 7 AND A 4% ORGANIC MATERIAL MINIMUM. ASTM D2958.
11. PLANT BEDS TO BE "MOUNDED". ALL PLANT MATERIAL, PLANT BEDS, MULCH AND DUG EDGE ARE TO BE INSTALLED PER LANDSCAPE PLANS, DETAILS, AND MANUFACTURER'S RECOMMENDATIONS.
12. REESTABLISH FINISH GRADES TO WITHIN ALLOWABLE TOLERANCES ALLOWING 3/4" FOR SOO AND 3" FOR MULCH IN PLANT BEDS. HAND RAKE ALL AREAS TO SMOOTH EVEN SURFACES FREE OF DEBRIS, CLODS, ROCKS, AND VEGETATIVE MATTER GREATER THAN 1".
13. ALL PLANT BEDS, SHRUBS AND TREES SHALL BE MULCHED WITH 3" OF DARK BROWN, HARDWOOD MULCH, EXCEPT IF NOTED AS ROCK. DARK BROWN, HARDWOOD MULCH SHALL BE INSTALLED OVER DEWITT PRO 5 WEED CONTROL FABRIC IN PLANT BEDS ONLY.
14. CONTRACTOR IS RESPONSIBLE FOR INITIAL WATERING UPON INSTALLATION.
15. DUG EDGES ARE TO BE DUG WHERE MULCH BEDS ARE ADJACENT TO TURF AREAS. NO EDGING IS REQUIRED ADJACENT TO PAVEMENT OR CURB.
16. THE EXACT LOCATION OF ALL UTILITIES, STRUCTURES, AND UNDERGROUND UTILITIES SHALL BE DETERMINED AND VERIFIED ON SITE BY THE LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION OF THE MATERIALS. DAMAGE TO EXISTING UTILITIES AND OR STRUCTURES SHALL BE REPLACED TO THEIR ORIGINAL CONDITION BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE OWNER.
17. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND APPROVALS AND RECORD INSPECTIONS BY LEGAL AUTHORITIES.
18. PROVISIONS SHALL BE MADE FOR READILY ACCESSIBLE IRRIGATION WITHIN 100' MAX. OF ALL LANDSCAPED AREAS INCLUDING ALL PLANT BEDS, INDIVIDUAL TREES, AND TURF AREAS. ALL LAWN AREAS (AS SHOWN ON PLANS) WILL BE IRRIGATED BY AN AUTOMATIC SPRINKLER SYSTEM. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL IRRIGATION COMPONENTS, SLEEVING, PIPE, AND CONTROL. DESIGN DRAWINGS OF IRRIGATION SYSTEM SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
19. ANY SUBSTITUTIONS OR DEVIATIONS SHALL BE REQUESTED IN WRITING BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PLANT MATERIALS. ALL PLANTS ARE TO BE LOCATED AS SPECIFIED ON DRAWINGS.

MAINTENANCE BY OWNER

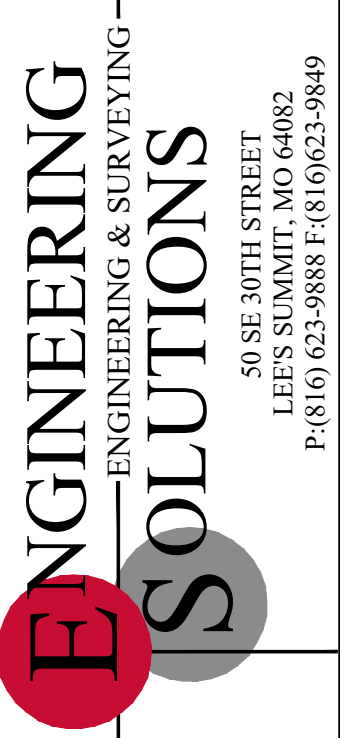
20. ALL SHRUBS ARE TO BE MAINTAINED IN THEIR NATURAL SHAPE TO ALLOW EVENTUAL GROWTH INTO A HEDGE.
21. MAINTAIN NATURAL HABIT OF ALL SPECIFIED PLANT MATERIAL.
22. NEW SOO TO BE THOROUGHLY WATERED UNTIL ROOTS "TAKE HOLD" OF SOO BED. CONTINUE WATERING AS REQUIRED, UNTIL COMPLETELY ESTABLISHED.

IRRIGATION PERFORMANCE SPECIFICATION:

THE FOLLOWING CRITERIA SHALL BE CONSIDERED MINIMUM STANDARDS FOR DESIGN AND INSTALLATION OF LANDSCAPE IRRIGATION SYSTEM:

1. GENERAL - IRRIGATION SYSTEM TO INCLUDE DRIP IRRIGATION OF SHRUB BEDS ADJACENT TO BUILDINGS, SPRAY HEADS IN THE PARKING ISLANDS, AND ROTORS AROUND THE PERIMETER OF THE PARKING LOTS. HEADS SHALL THROW AWAY FROM BUILDING AND ACID SPRAYING OVER SIDEWALKS.
2. IRRIGATION SYSTEM SHALL CONFORM TO ALL INDUSTRY STANDARDS AND ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING DESIGN AND INSTALLATION.
3. WATERLINE TYPW, SIZE LOCATION, PRESSURE AND FLOW SHALL BE FIELD VERIFIED PRIOR TO SYSTEM DESIGN AND INSTALLATION.
4. ALL MATERIALS SHALL BE FROM NEW STOCK FREE OF DEFECTS AND CARRY A MINIMUM ONE YEAR WARRANTY FROM THE DATE OF SUBSTANTIAL COMPLETION.
5. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED IN SUCH A WAY THAT ALL SYSTEM COMPONENTS OPERATE WITHIN THE GUIDELINES ESTABLISHED BY THE MANUFACTURER.
6. LAWN AREA AND SHRUB BEDS SHALL BE ON SEPARATE CIRCUITS.
7. PROVIDE WATER TAP, METER SET, METER VAULT AND ALL OTHER OPERATIONS NECESSARY TO PROVIDE WATER FOR IRRIGATION SHALL CONFORM TO LOCAL WATER GOVERNING AUTHORITY CUIDELINES AND STANDARDS.
8. BACKFLOW PREVENTION SHALL BE PROVIDED IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
9. IRRIGATION CONTROLLER TO BE LOCATED IN UTILITY ROOM INSIDE BUILDING, AS IDENTIFIED BY OWNER.
10. IRRIGATION CONTROLLER STATIONS SHALL BE LABELED TO CORRESPOND WITH THE CIRCUIT IT CONTROLS.
11. CONTRACTOR SHALL PROVIDE TO THE OWNER WRITTEN OPERATION INFORMATION FOR ALL SYSTEM COMPONENTS.
12. CONTRACTOR SHALL PROVIDE TO THE OWNER ALL KEYS, ACCESS TOOLS, WRENCHES AND ADJUSTING TOOLS NECESSARY TO GAIN ACCESS, ADJUST AND CONTROL THE SYSTEM.
13. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
14. AN AUTOMATIC RAIN SHUT-OFF OR MOISTURE DEVICE SHALL BE INSTALLED.
15. INSTALL SCHEDULE 40 PVC SLEEVES UNDER ALL CURBS, PAVING AND SIDEWALKS. SLEEVES TO BE TWICE THE SIZE OF THE LINE IT HOUSES.
16. INSTALL MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN TO ALLOW GRAVITY DRAINING OF MAIN DURING WINTER MONTHS. PROVIDE QUICK COUPLERS AT MULTIPLE LOCATIONS TO ALLOW FOR EASY "BLOWING OUT" OF LATERAL AND MAIN LINES.
17. ZONES OR NOZZLES SHALL BE DESIGNED WITH MATCHED PRECIPITATION RATES.
18. MINIMUM LATERAL DEPTH IS 15" AND MAIN DEPTH IS 18".
19. SUBMIT DESIGN DRAWING WITH BID TO ALLOW OWNER TO EVALUATE SYSTEM. INCLUDE CUT SHEETS OF ALL COMPONENTS AND ZONE TABLE ILLUSTRATING FLOWS AND ANTICIPATED PRESSURE AT FURTHEST HEAD.
20. AN "AS-BUILT" SCALED DRAWING SHALL BE PROVIDED TO THE OWNER BY THE CONTRACTOR AND SHALL INCLUDE UT NOT BE LIMITED TO THE FOLLOWING:
 - a. AS CONSTRUCTED LOCATION OF ALL COMPONENTS
 - b. COMPONENT NAME, MANUFACTURER, MODEL INFORMATION, SIZE AND QUANTITY
 - c. PIPE SIZE AND QUANTITY
 - d. INDICATION OF SPRINKLER HEAD SPRAY PATTERN
 - e. CIRCUIT IDENTIFICATION SYSTEM
 - f. DETAILED METHOD OF WINTERIZED SYSTEM

SUBMIT AS-BUILT DRAWING IN FULL SIZE DRAWING FORM AS WELL AS PDF ELECTRONIC FORMAT. (SCANNING FULL SIZE COPY OF PLAN IS ACCEPTABLE IF IT CAN BE PRINTED TO SCALE.)



Professional Registration
Missouri
Engineering 200600195-D
Surveying 200900819-D
Kansas
Engineering E-1696
Surveying LS-219
Oklahoma
Engineering B254
Nebraska
Engineering CA2821

Project:
OLDHAM VILLAGE
Issue Date:
June 10, 2024

Oldham Village
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

LANDSCAPE PLAN DETAILS
Phase 2 Preliminary Development Plans for:
Oldham Village
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



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OK PE 25226

REVISIONS

REV. 6/25/2024
REV. 7/9/2024
REV. 8/13/2024