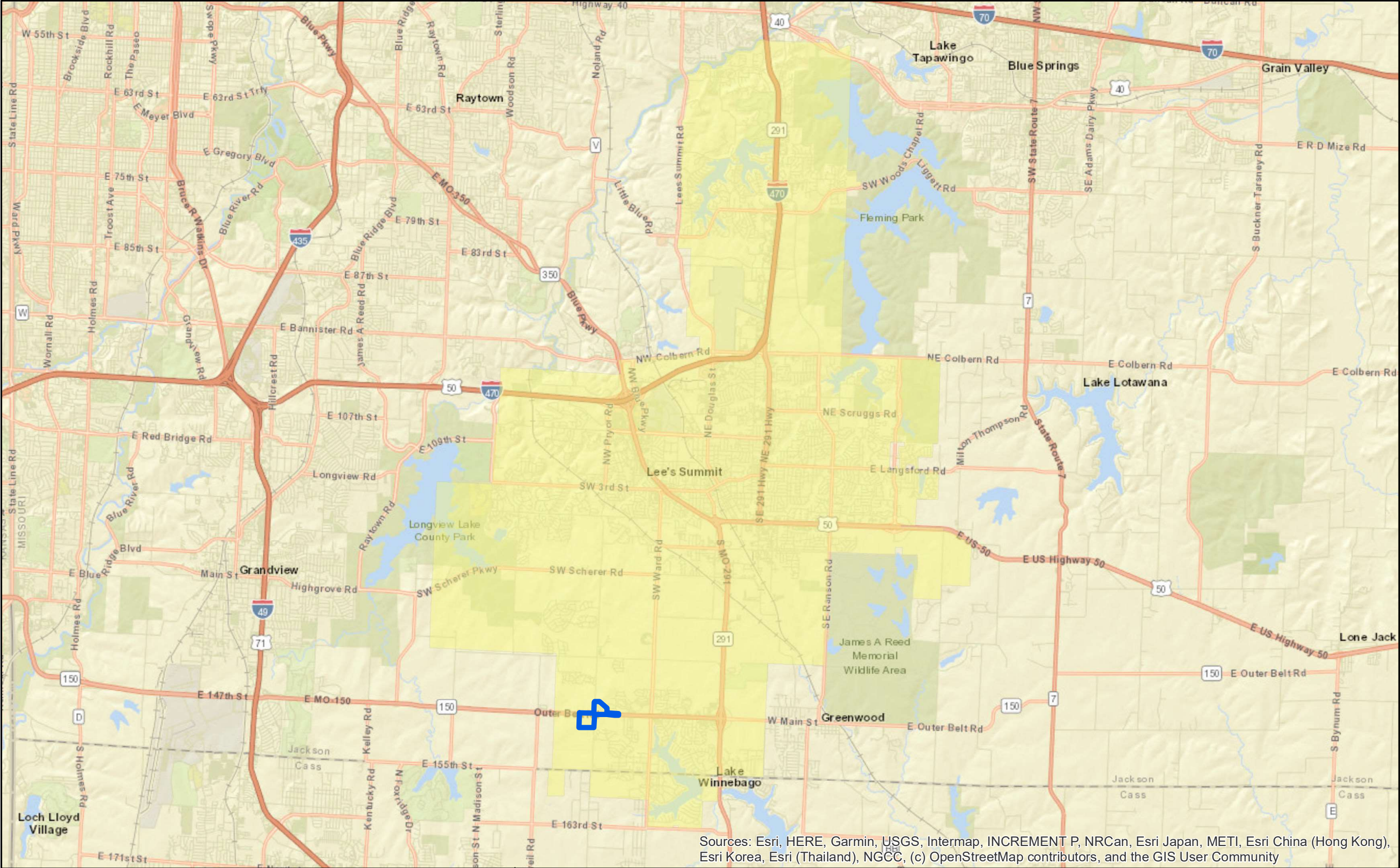




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

 AREA OF INTEREST

 LEE'S SUMMIT, MO
CITY BOUNDARY

0 6,400 12,800 Feet

N



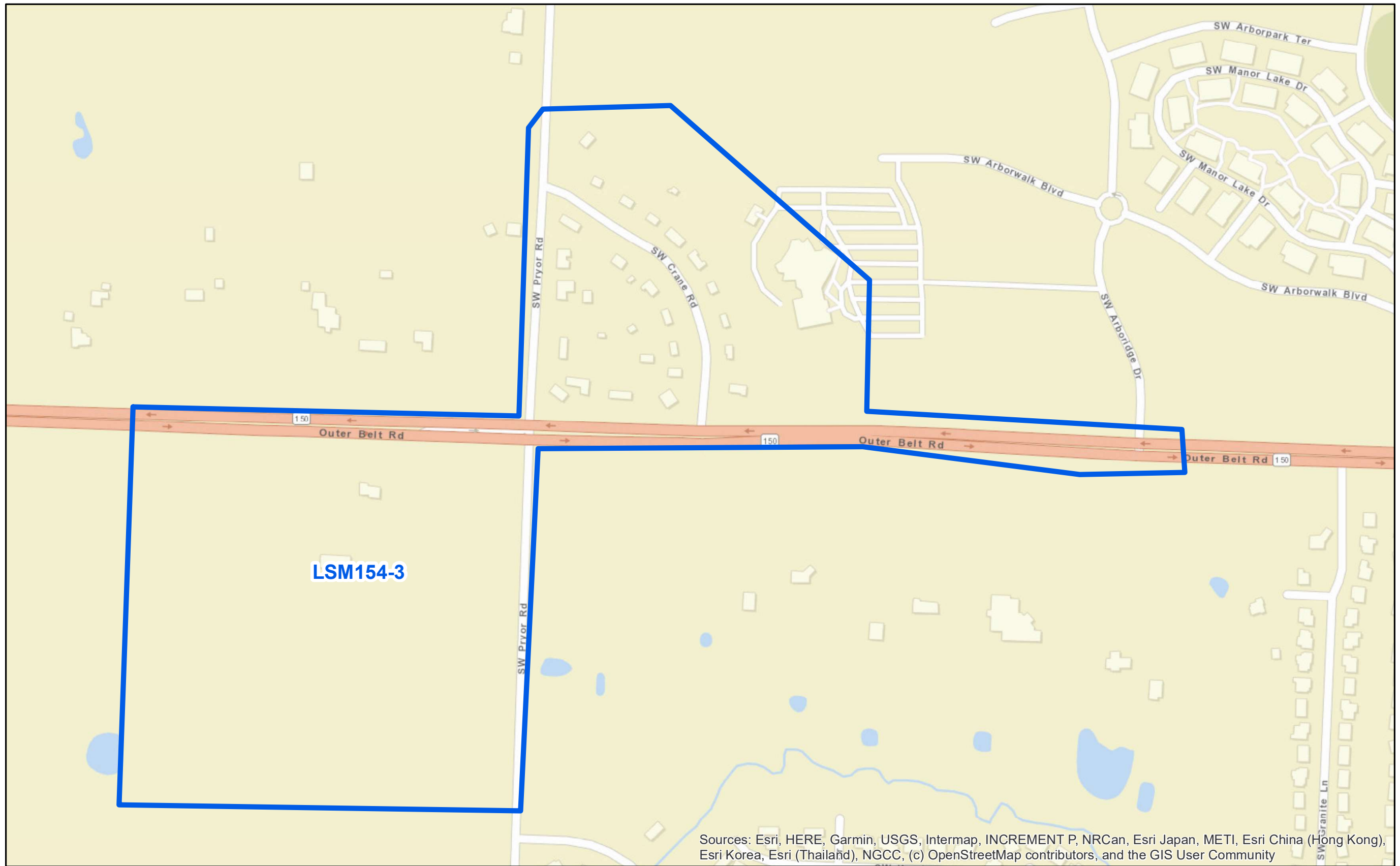
INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING

Google Fiber

Lee's Summit, MO
City Permit: City View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

CREATED BY:
 Bret Simons
 EMAIL:
 bret.simons@aeg.cc

Legend LSM154-3

AREA OF INTEREST

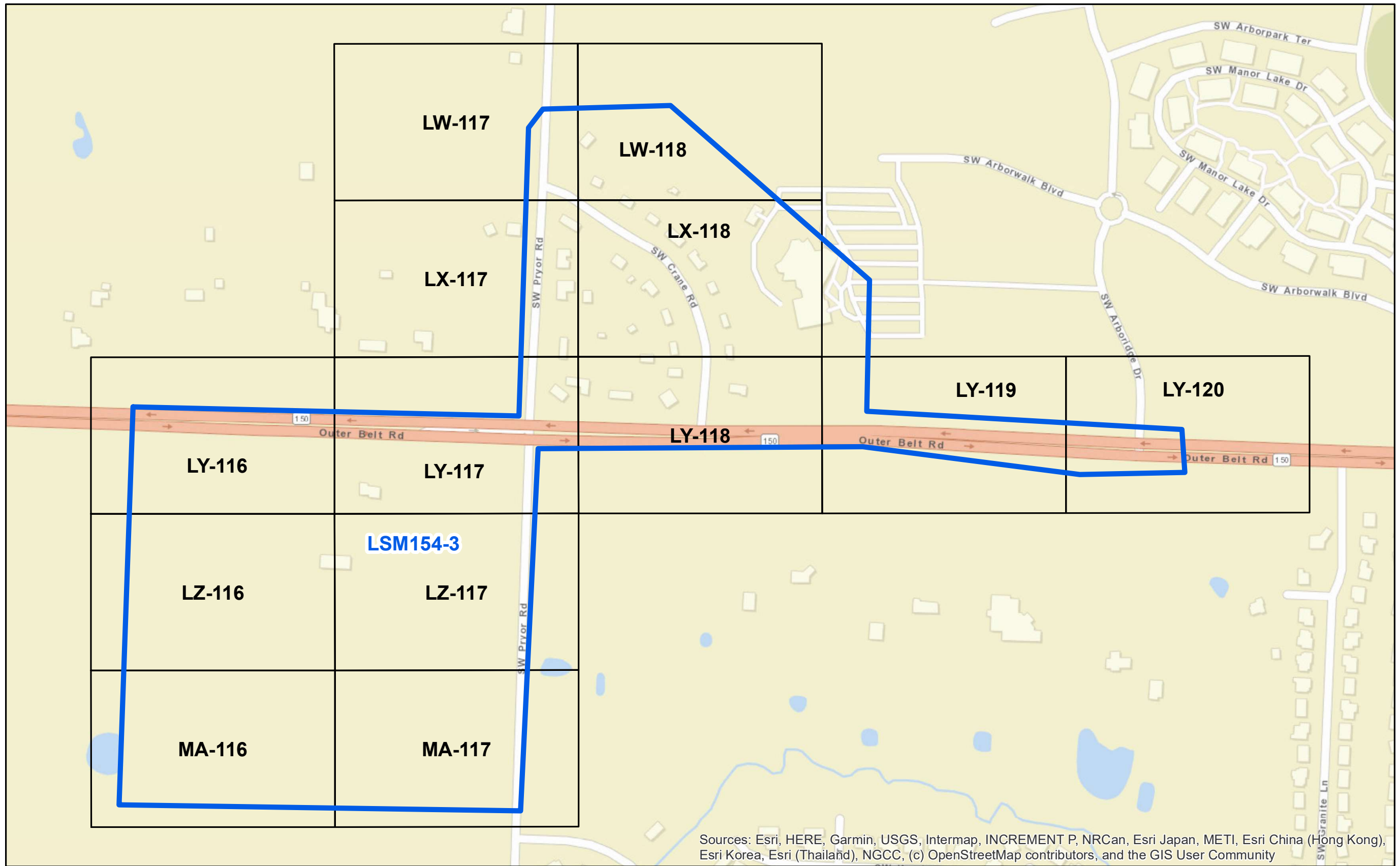
0 110 220 440 Feet

N

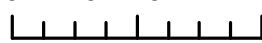
INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING

Lee's Summit, MO
 City Permit: Permit View

ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

 CREATED BY: Bret Simons EMAIL: bret.simons@aeg.cc	Legend LSM154-3  AREA OF INTEREST  GRIDS 0 110 220 440 Feet 	N 	<table border="1"> <thead> <tr> <th>INI</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td></td> <td>CN</td> <td>7/04/2022</td> <td>PERMIT DRAWING</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	INI	BY	DATE	DESCRIPTION		CN	7/04/2022	PERMIT DRAWING																																					 Lee's Summit, MO City Permit: Permit View	 ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
INI	BY	DATE	DESCRIPTION																																														
	CN	7/04/2022	PERMIT DRAWING																																														



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

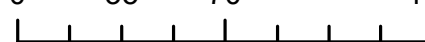


CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- ❑ PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



N



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.





CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N

INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING

Google Fiber

Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.





CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N

INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ↔ ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N

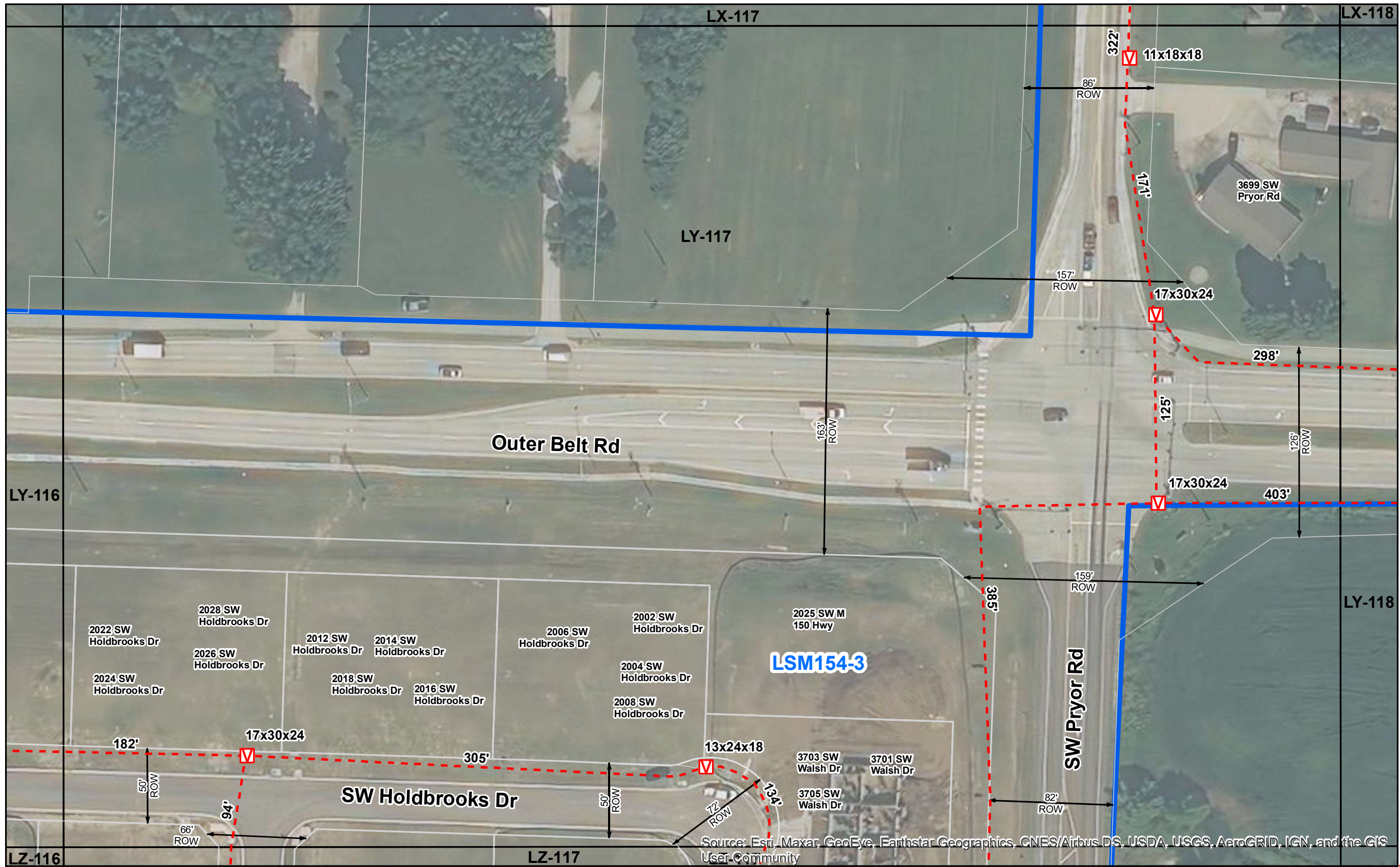
INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



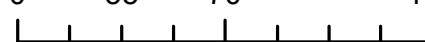


CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

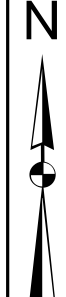
Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



N



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.





CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N

INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ↔ ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.





CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N

INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING

Google Fiber

Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet



INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



CREATED BY:
Bret Simons
EMAIL:
bret.simons@aeg.cc

Legend LSM154-3

- AREA OF INTEREST
- PROPOSED VAULT
- PROPOSED UG CONDUIT
- ROW Distance
- ELECTRIC MAIN
- GAS MAIN
- SEWER MAIN
- TELECOM MAIN
- WATER MAIN

0 35 70 140 Feet

N



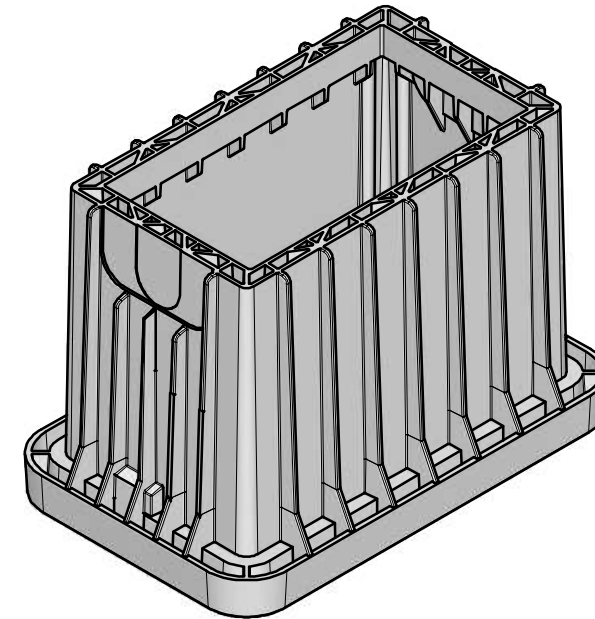
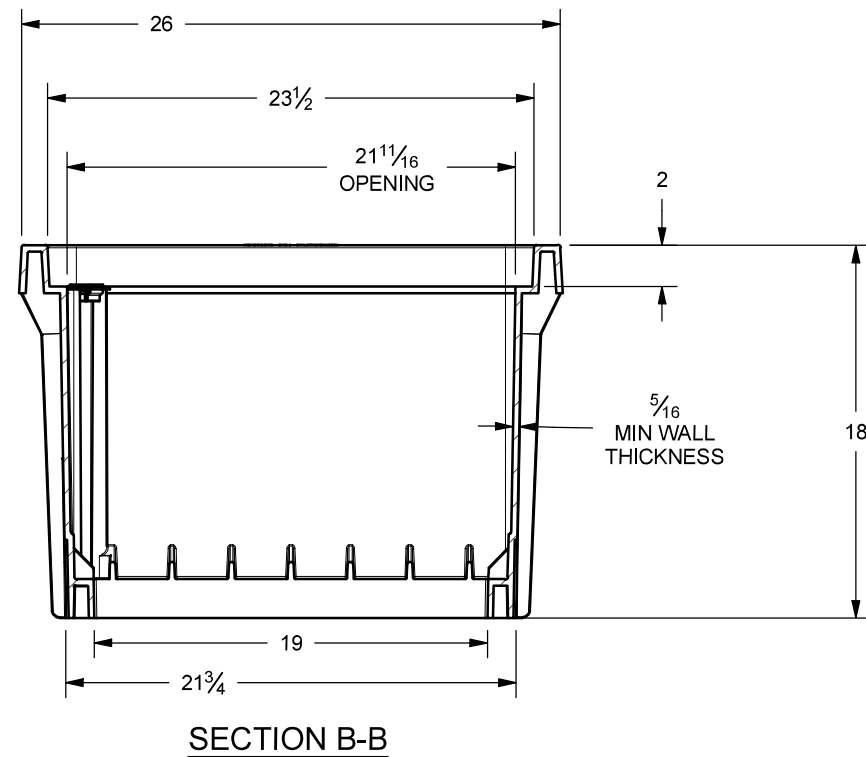
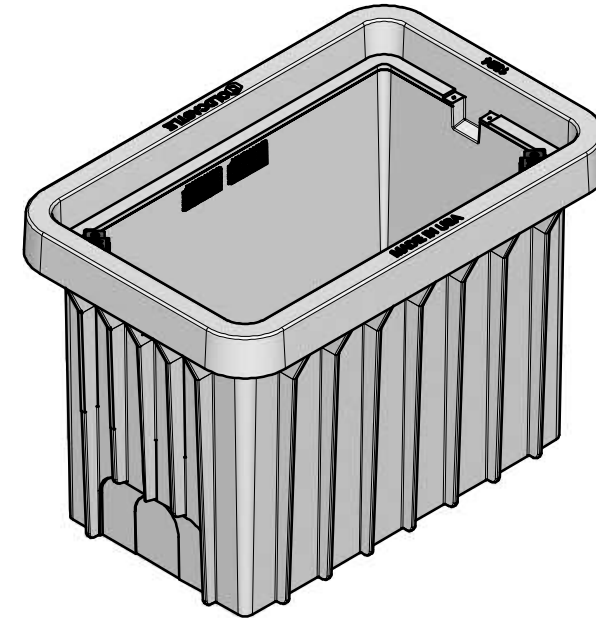
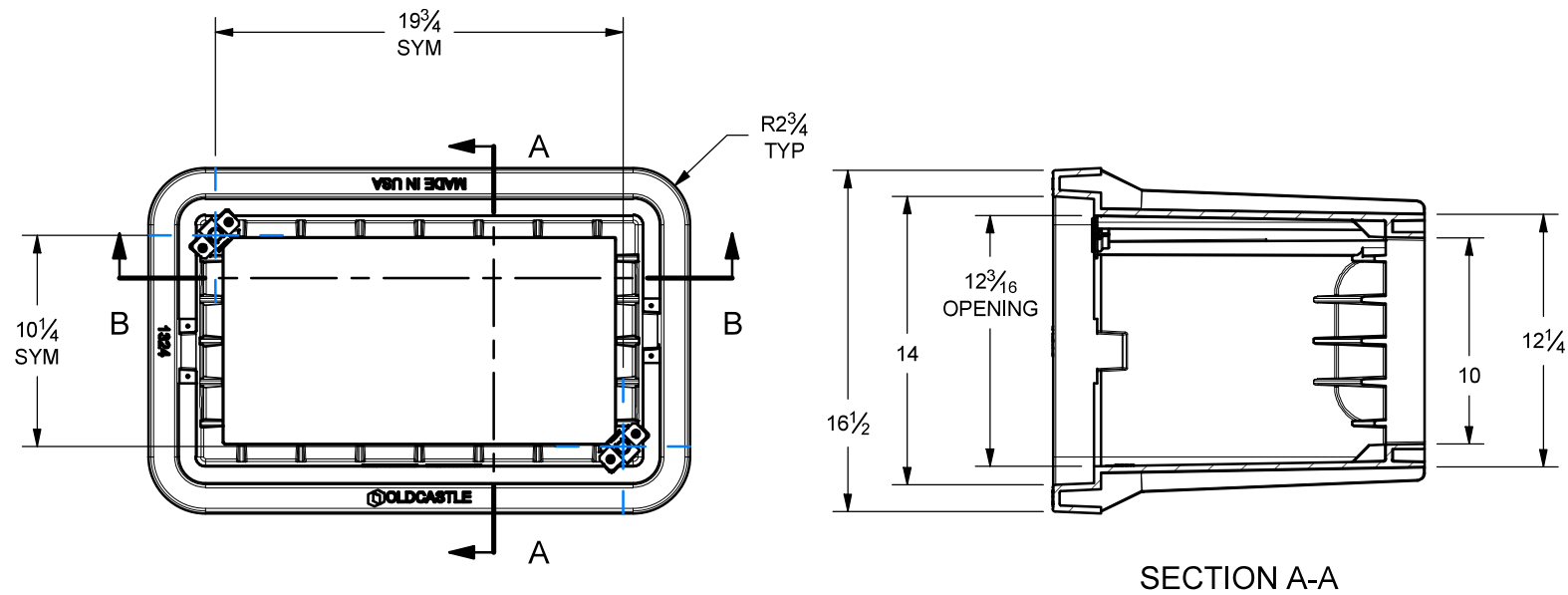
INI	BY	DATE	DESCRIPTION
	CN	7/04/2022	PERMIT DRAWING



Lee's Summit , MO
City Permit Plan View



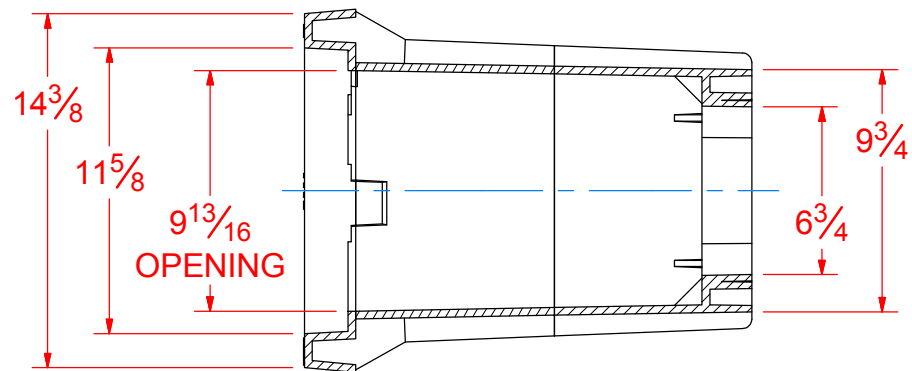
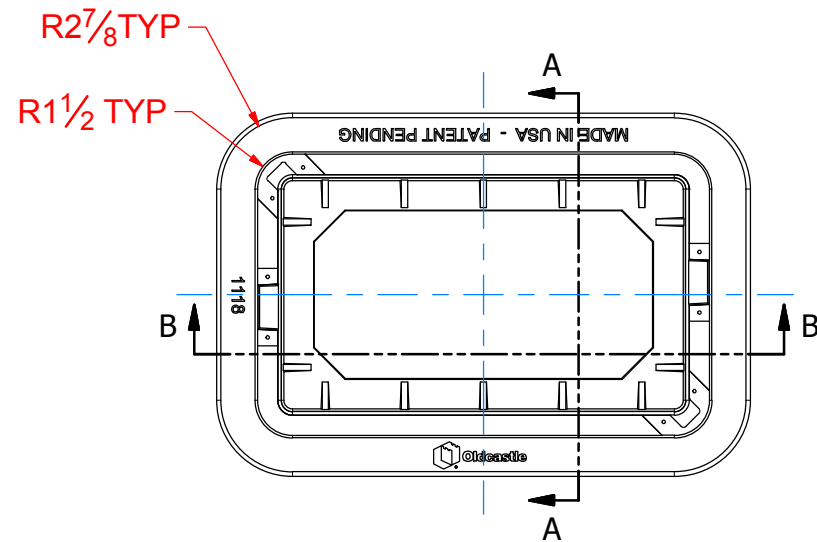
ALL CONSTRUCTION IS PROPOSED AND SUBJECT TO RELOCATION WHEN OBJECTS ARE ENCOUNTERED THAT WILL INTERFERE WITH THE EXISTING INFRASTRUCTURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. 2' CLEARANCE REQUIRED BETWEEN SUBSTRUCTURE AND BORE. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



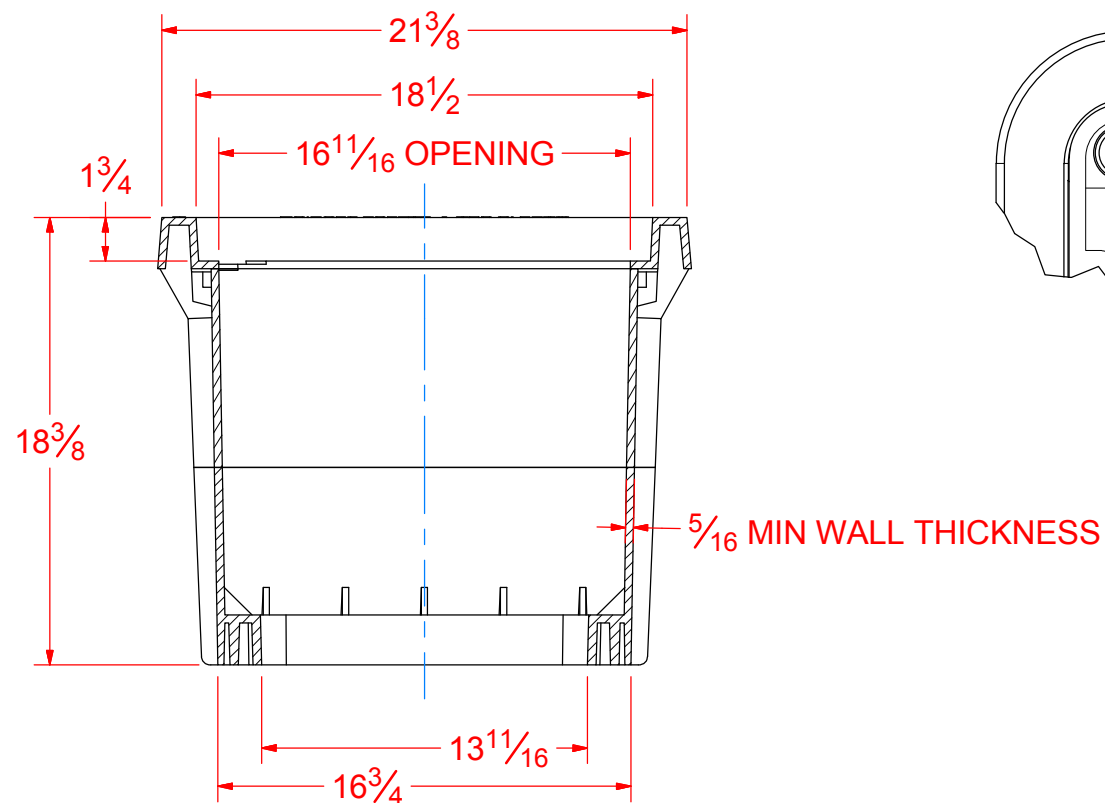
CUSTOMER FORMAT DRAWING

TOTAL EST. UNIT WEIGHT: 41.69 LBS
EST. LID WEIGHT: 15.79 LBS | EST. BODY WEIGHT: 25.9 LBS

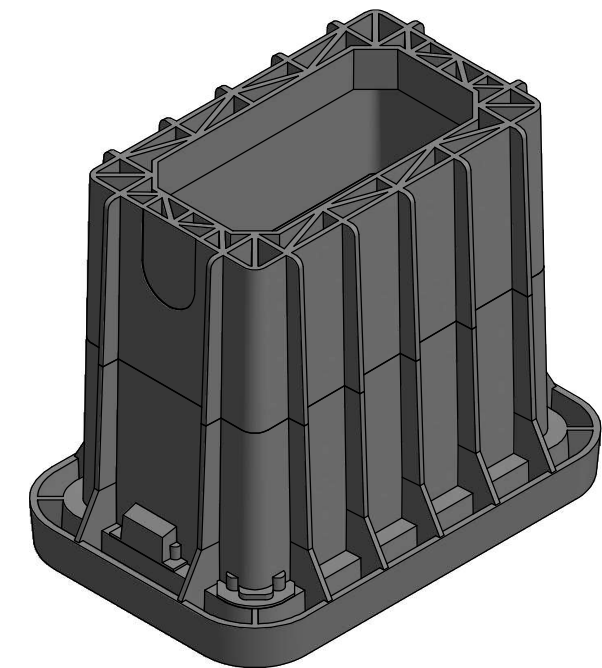
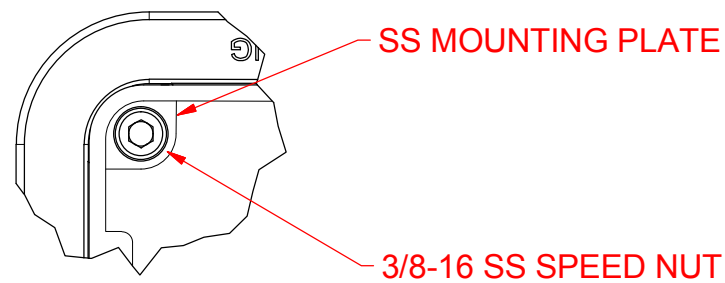
MATERIAL VARIES	OES_PART_WEIGHT 41.69 LBS	THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE. IT IS CONFIDENTIAL, SUBMITTED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE INFRASTRUCTURE. COPYRIGHT© 2019 Oldcastle Infrastructure All Rights Reserved	
OES_TREATMENT/COATING	PROJECTION		
OES_DRAWING_UNITS			
GENERAL TOLERANCES		OES_DESCRIPTION 1324-18 DL/LW UNIT, FLUSH COVER T15 GRAY, 2X 1/2-6 HEX AUGER CPBLT, 'GFBR'	
IMPERIAL X.XXX = ± .005 X.XX = ± 0.01 X/X = ± 1/16 X° = ± 1°	METRIC X.XX = ± 0.10 X.X = ± 0.5 X = ± 1 X° = ± 1°		
63/			
ITEMS NOT DIMENSIONED CAN BE MANUFACTURED WITH 3D FILE USING THE FINER GENERAL TOLERANCE			
DO NOT MEASURE OR CHANGE SCALE			
REMOVE BURRS AND SHARP EDGES			
AUTHOR K LEITENBERGER	11/20/2020	SHEET SIZE A	OES_SKU 13246018
CHECKED BY E LONG	11/20/2020	SCALE: 1/12	FILE NAME: 0033599.idw
		REVISION NUMBER -	
		SHEET 2 OF 3	



SECTION A-A



SECTION B-B



MATERIAL: BLENDED POLYPROPYLENE, GRAY

SKU SHOWN: 11182580

CUSTOMER FORMAT DRAWING

BODY EST. WEIGHT: 16.3 LBS

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE ENCLOSURE SOLUTIONS. IT IS CONFIDENTIAL. SUBMITTED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE ENCLOSURE SOLUTIONS.

COPYRIGHT © 2012 Oldcastle Enclosure Solutions
All Rights Reserved

DRAWN
M MINCIN
CHECKED
E LONG
QA

MFG
A

4/15/2015
12/04/2015



Oldcastle® Enclosure Solutions

1675 INDUSTRIAL DR.
NAPOLEON, OH 43545
419-592-2309

TITLE

1118-18 GRAY T15 "GFBR" CPBLT -
HWPC111818T-T15 607

SIZE
C

DWG NO
11186120

REV

SCALE

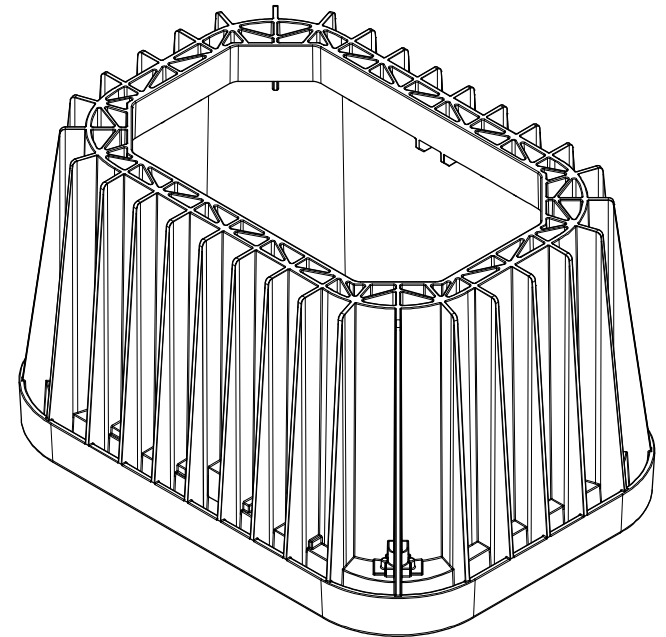
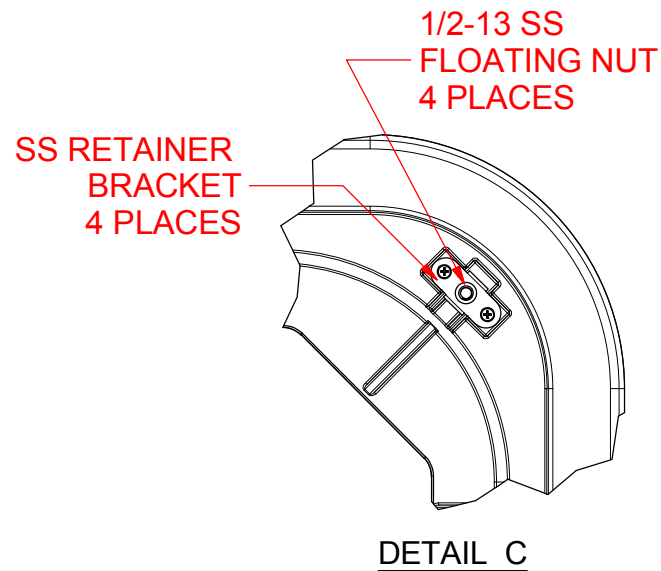
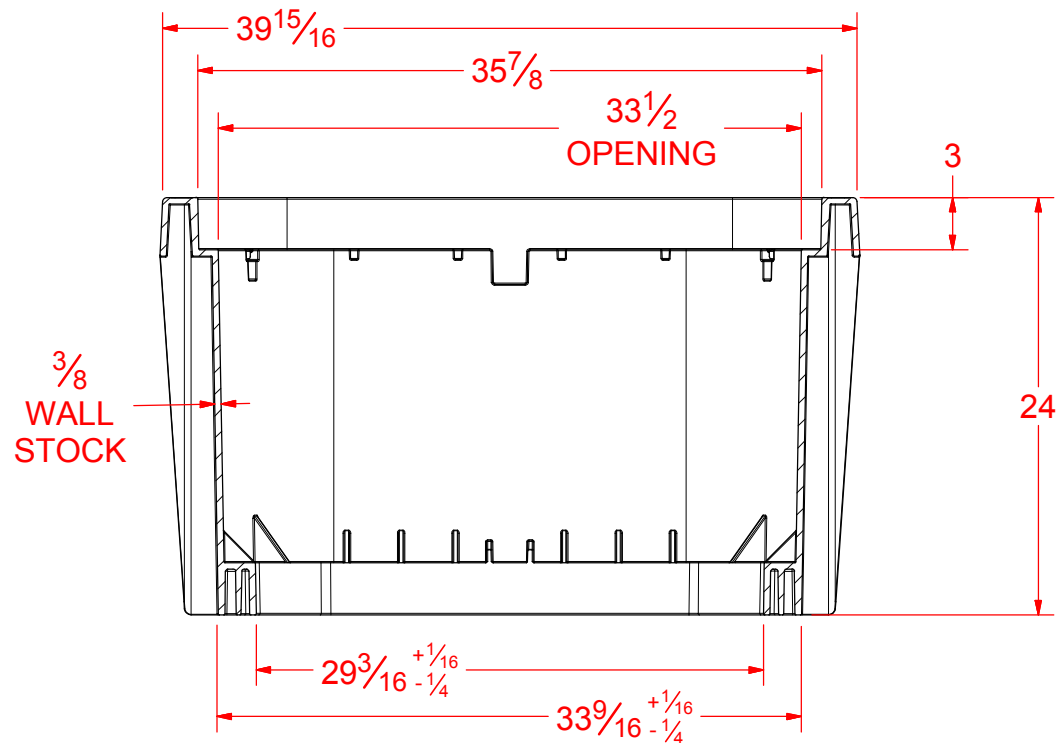
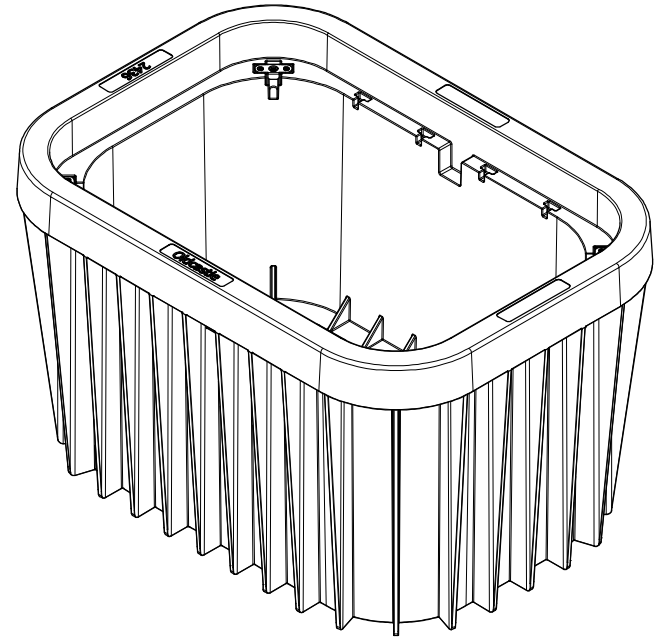
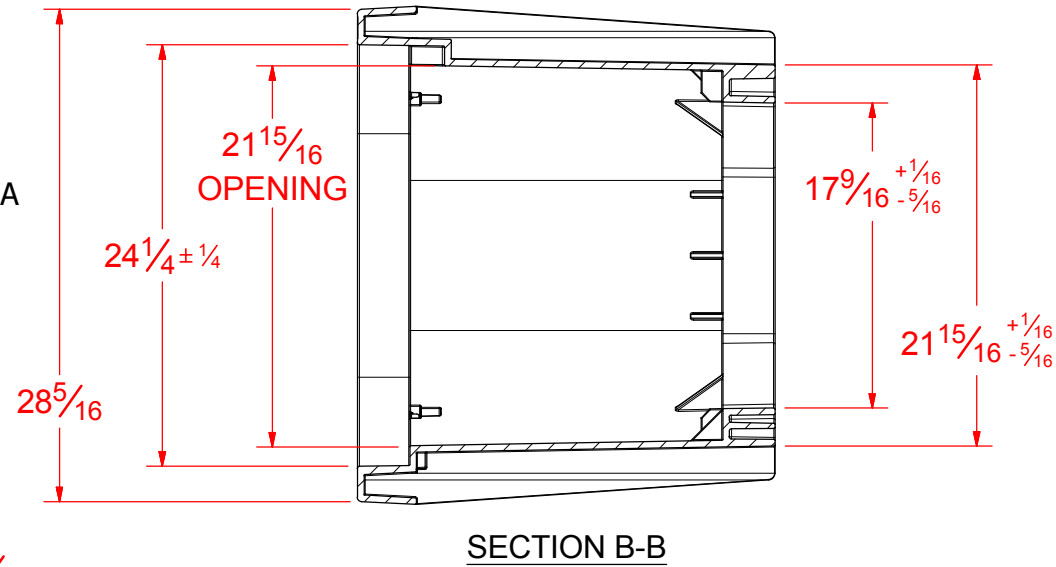
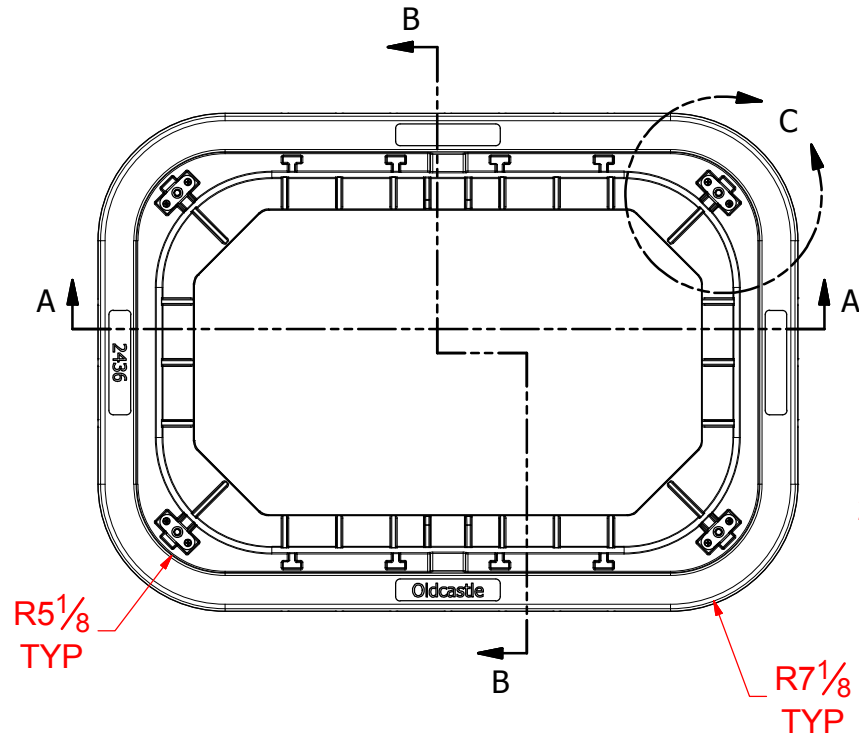
SHEET 2 OF 3

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCE:
.XXX = ±.005
.XX = ±.010
.X = ±.030

FRACTION = ±1/8
ANGLE = ±1°

NOT RELEASED

THIS BODY MEETS OR EXCEEDS THE REQUIREMENTS OF ANSI/SCTE 77-2013, TIER-15 PERFORMANCE.



MATERIAL: GLASS FILLED POLYPROPYLENE, BLACK

SKU SHOWN: 24362070

CUSTOMER FORMAT DRAWING
BODY EST. WEIGHT: 70 LBS

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE ENCLOSURE SOLUTIONS. IT IS CONFIDENTIAL. SUBMITTED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE ENCLOSURE SOLUTIONS.

COPYRIGHT © 2012 Oldcastle Enclosure Solutions
All Rights Reserved

DRAWN	M MINCIN	4/26/2016
CHECKED	E LONG	4/29/2016
QA	D LITTLE	8/18/2016
MFG	P MASTERLASO	8/16/2016
APPROVED	T DANG	10/20/2016

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCE:
.XXX = ± 0.005
.XX = ± 0.010
.X = ± 0.030
FRACTION = $\pm 1/16$
ANGLE = $\pm 1^\circ$



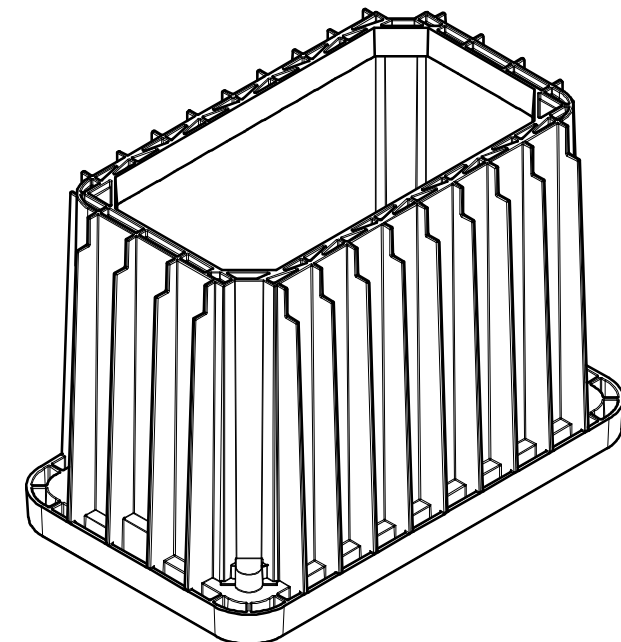
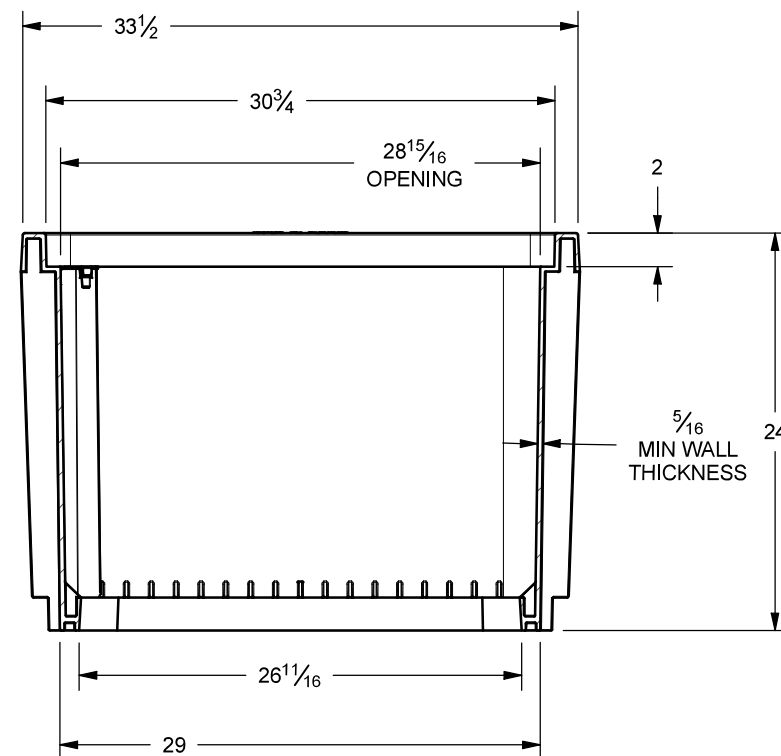
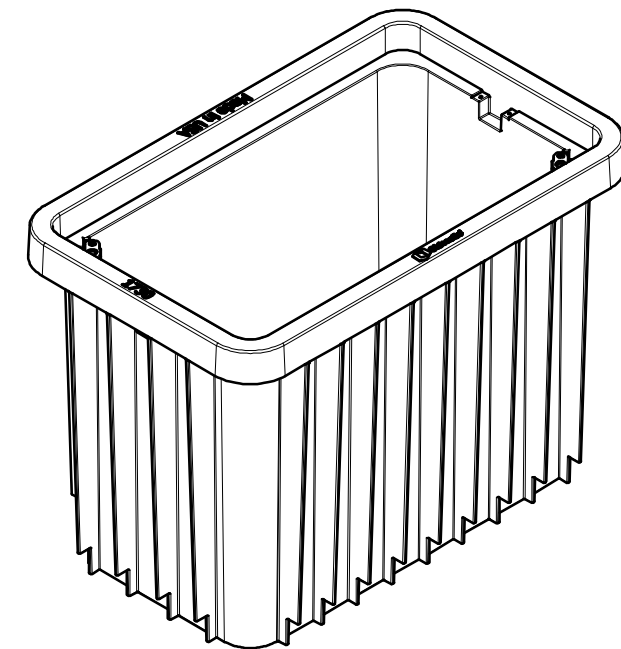
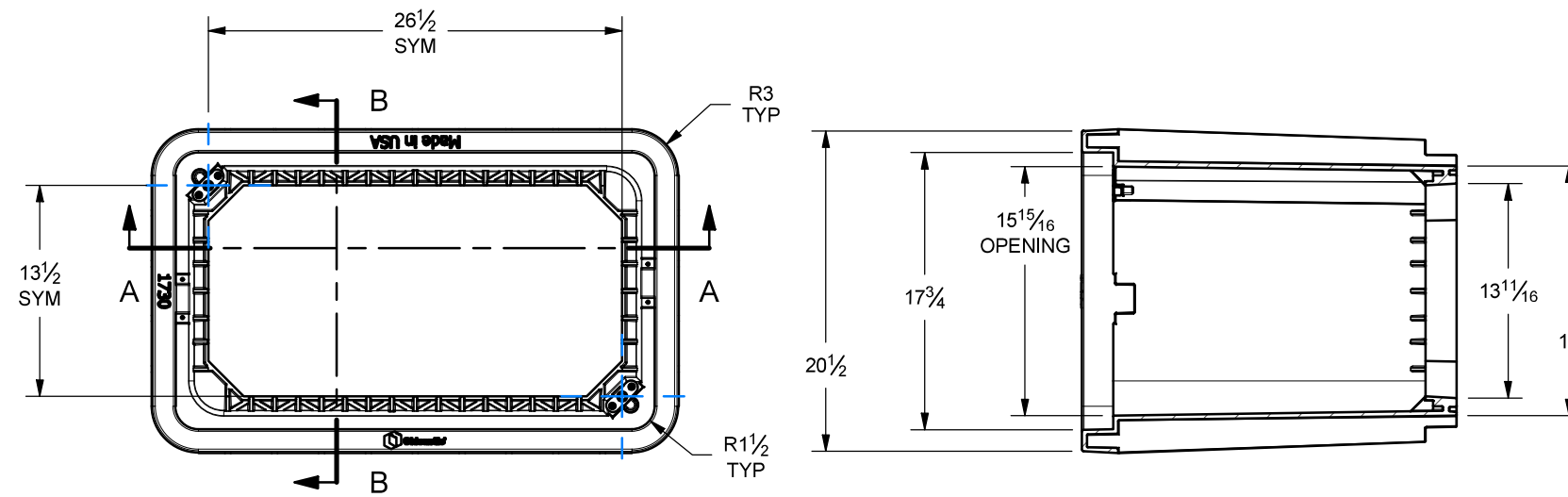
Oldcastle® Enclosure Solutions

1675 INDUSTRIAL DR.
NAPOLEON, OH 43545
419-592-2309

TITLE
2436-24 DL-HSW BLACK-GRAY T15 0
MSHL GFBR - 243624T DL-HSW T15
FIBERG 607

SIZE	C	DWG NO	24366095	REV	
SCALE					

SHEET 2 OF 3



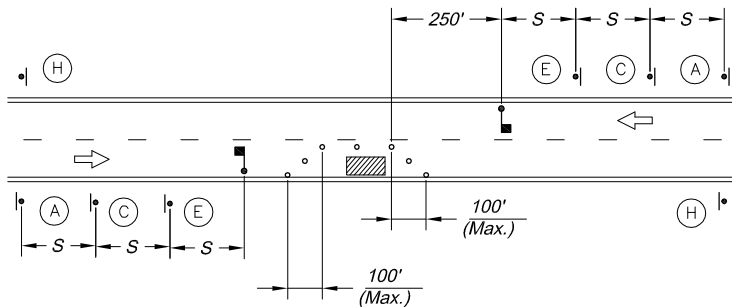
MATERIAL: BLENDED POLYPROPYLENE

CUSTOMER FORMAT DRAWING

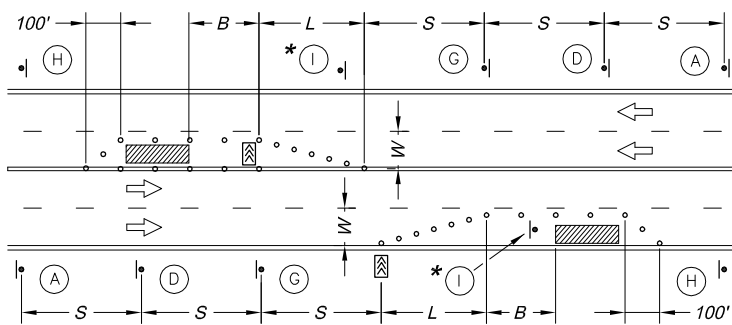
TOTAL EST. UNIT WEIGHT: 62.17 LBS
EST. LID WEIGHT: 20.87 LBS | EST. BODY WEIGHT: 41.3 LBS

THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE INFRASTRUCTURE. IT IS CONFIDENTIAL, SUBMITTED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE INFRASTRUCTURE.				Oldcastle Infrastructure A CRH COMPANY	
COPYRIGHT© 2019 Oldcastle Infrastructure All Rights Reserved					
OES_DESCRIPTION 1730-24 DL/LW FLSH COVER, T15 - MULTI SKU					
AUTHOR K LEITENBERGER	4/30/2020	SHEET SIZE A	OES_SKU N/A	REVISION NUMBER	
CHECKED BY E LONG	4/30/2020	SCALE: 1/15	FILE NAME: 0030984.idw	SHEET 5 OF 6	

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

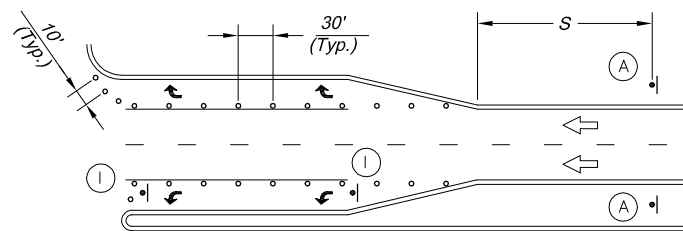


LANE CLOSURE - TWO LANE STREET



LANE CLOSURE - FOUR LANE STREET

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



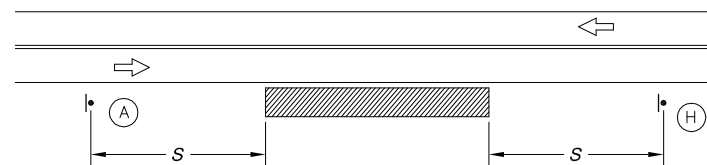
TURN LANE CLOSURE

Sign Spacing "S"		Taper Dimensions (Feet)				
Speed Limit (mph)	Spacing (Feet)	Speed Limit (mph)	Minimum Taper Length "L", per Lane Width "W"			Minimum Number of Channelizers
			10	11	12	
25	100	25	105	115	125	6
30 - 35	250	30	150	165	180	7
≥ 40	350	35	205	225	245	8
		40	270	295	320	9
		45	450	495	540	13

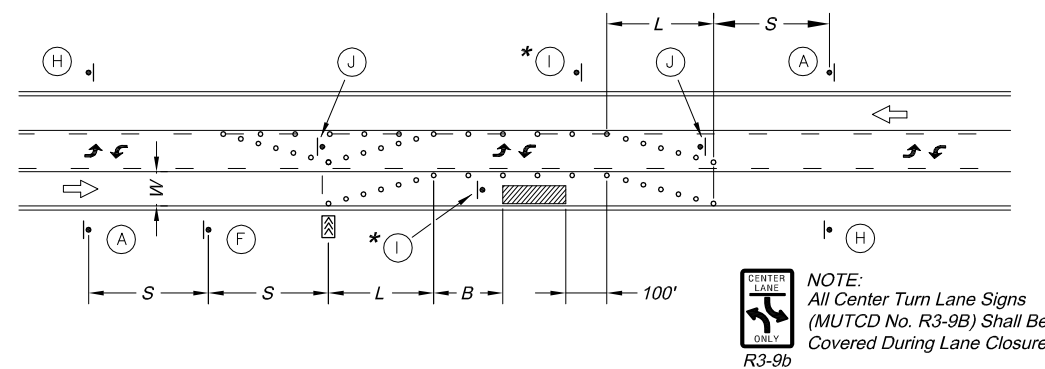
Guidelines for Length of Longitudinal Buffer Space "B"	
Speed Limit (mph)	Length (Feet)
25	35
30	55
35	85
40	120
45	170

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

(A) W20-1 36" x 36"	(B) W20-2 36" x 36"	(C) W20-4 36" x 36"	(D) W20-5R 36" x 36"	(E) W20-7a 36" x 36"	(F) W1-4L 36" x 36"
(G) W4-2R 36" x 36"	(H) G20-2 36" x 18"	<i>Use Only As Approved by City Traffic Engineer</i> (I) R3-2 24" x 24"	(J) R4-7a 24" x 30"	(K) R11-2 48" x 30"	(L) R11-4 60" x 30"

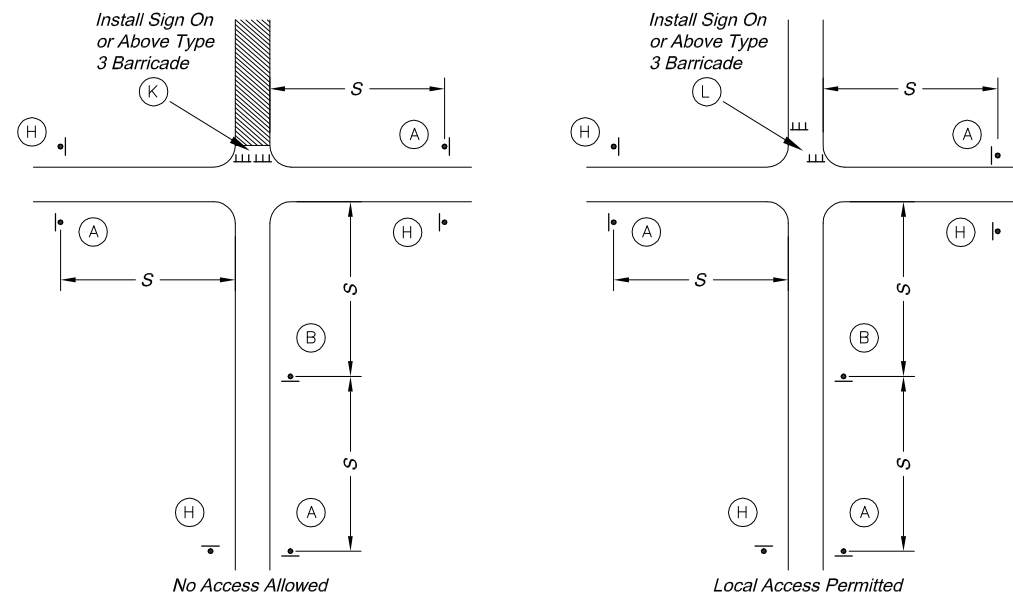


TYPICAL SIGNING FOR WORK ADJACENT TO THE STREET



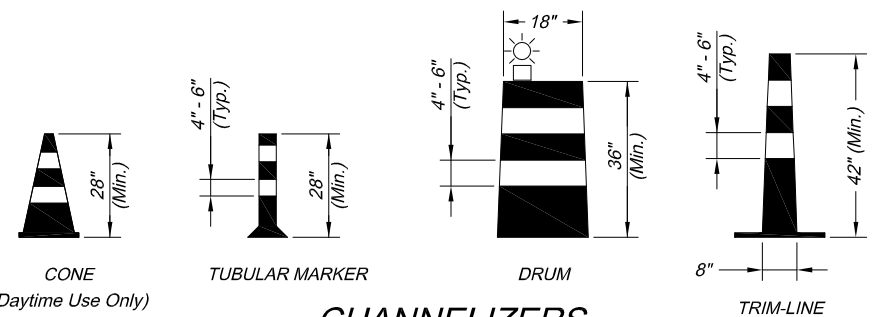
LANE CLOSURE - THREE LANE STREET

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



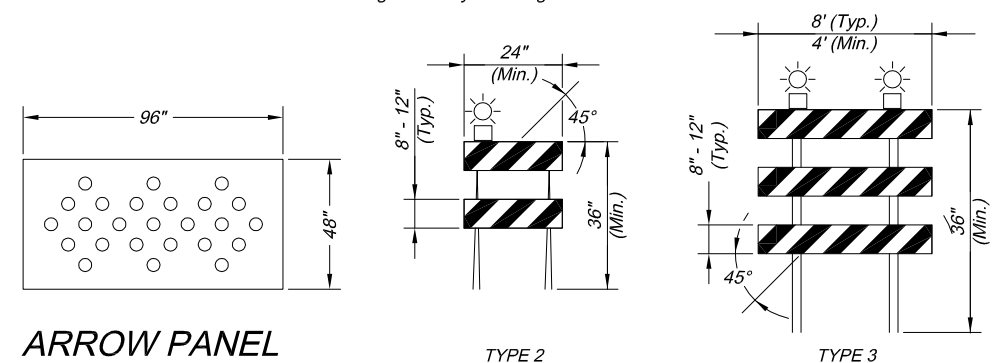
TYPICAL STREET CLOSURE

1. 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).
2. 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.
3. 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.
4. 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.
5. Trim-lines are the City's preferred channelizing device. Cones may not be used at nighttime.
6. Traffic control devices not in use or not applicable shall be either covered or removed from the work area.
7. 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.
8. Access shall be maintained to all driveways and side streets unless noted otherwise on the plans.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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).
15. 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.
16. No traffic signal shall be altered or modified in any way without a plan approved by the City Traffic Engineer.
17. 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.
18. 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.
19. 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:
 - A) Employ another agency to correct deficiencies in traffic control devices and deduct the cost from the Contractor's pay estimate,
 - B) Stop the work until deficiencies are corrected,
 - C) Suspend all pay estimates until deficiencies are corrected, or
 - D) Place the Contractor in default.



CHANNELIZERS

NOTE: White Bands On Barricades and Channelizers Shall Be Made From High Intensity Sheeting Material.



ARROW PANEL

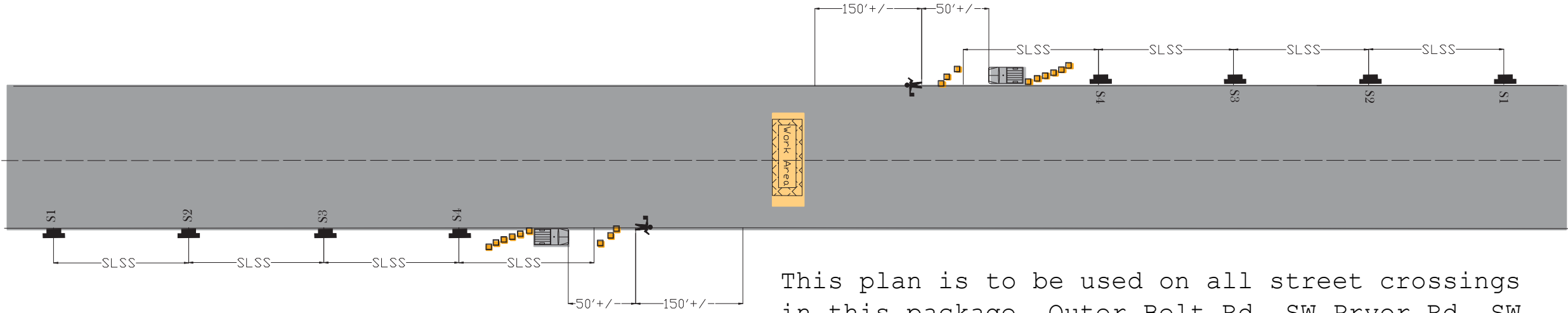
BARRICADES



TRAFFIC CONTROL
FOR UNDERGROUND INSTALLATION
ACROSS ROADS

S1	UTILITY WORK AHEAD (W21-7)
S2	MEN WORKING
S3	BE PREPARED TO STOP (W20-7B)
S4	FLAGGER AHEAD (W20-7A)
	FLAGGER/SPOTTER STATION
	PROTECTIVE VEHICLE
NOTES: -DAYLIGHT USE ONLY -FLAGGER COMMUNICATION SHALL BE REINFORCED WITH RADIOS -24" FLAGGING PADDLES REQUIRED ON THE HIGHWAY -FOR USE ON WET OR DRY PAVEMENT ONLY -NOT FOR USE IN FOGGY CONDITIONS -GOOGLE FIBER / ATLANTIC ENGINEERING GROUP TO PULL NEW FIBER OPTIC CABLE THROUGH CONDUIT -CABLE WILL BE PULLED THROUGH EXISTING CONDUIT OR NEW CONDUIT WILL BE INSTALLED. TRAFFIC WILL BE STOPPED ONLY AS NEEDED. -FLASHERS TO BE USED ON PROTECTIVE VEHICLE -TO INSTALL UNDERGROUND CONDUIT AND FIBER USE SPOTTERS AND SIGNS TO BE PLACED ON RESPECTIVE SIDES OF ROADS -TRAFFIC DELAYS TO BE KEPT TO A MINIMUM, +/- 3 MINUTES MAX	

SLSS	
SPEED LIMIT	SIGN SPACING
60/70 MPH	1000' +/-
50/55 MPH	500' +/-
40/45 MPH	350' +/-
0/35 MPH	200' +/-



This plan is to be used on all street crossings in this package. Outer Belt Rd, SW Pryor Rd, SW Crane Rd, SW Holdbrooks Dr, SW Maryville Pl, SW Walsh Dr, SW Osage Dr, SW Rutherford Dr. See attached maps.



BRET SIMONS
EMAIL: bret.simons@aeg.cc

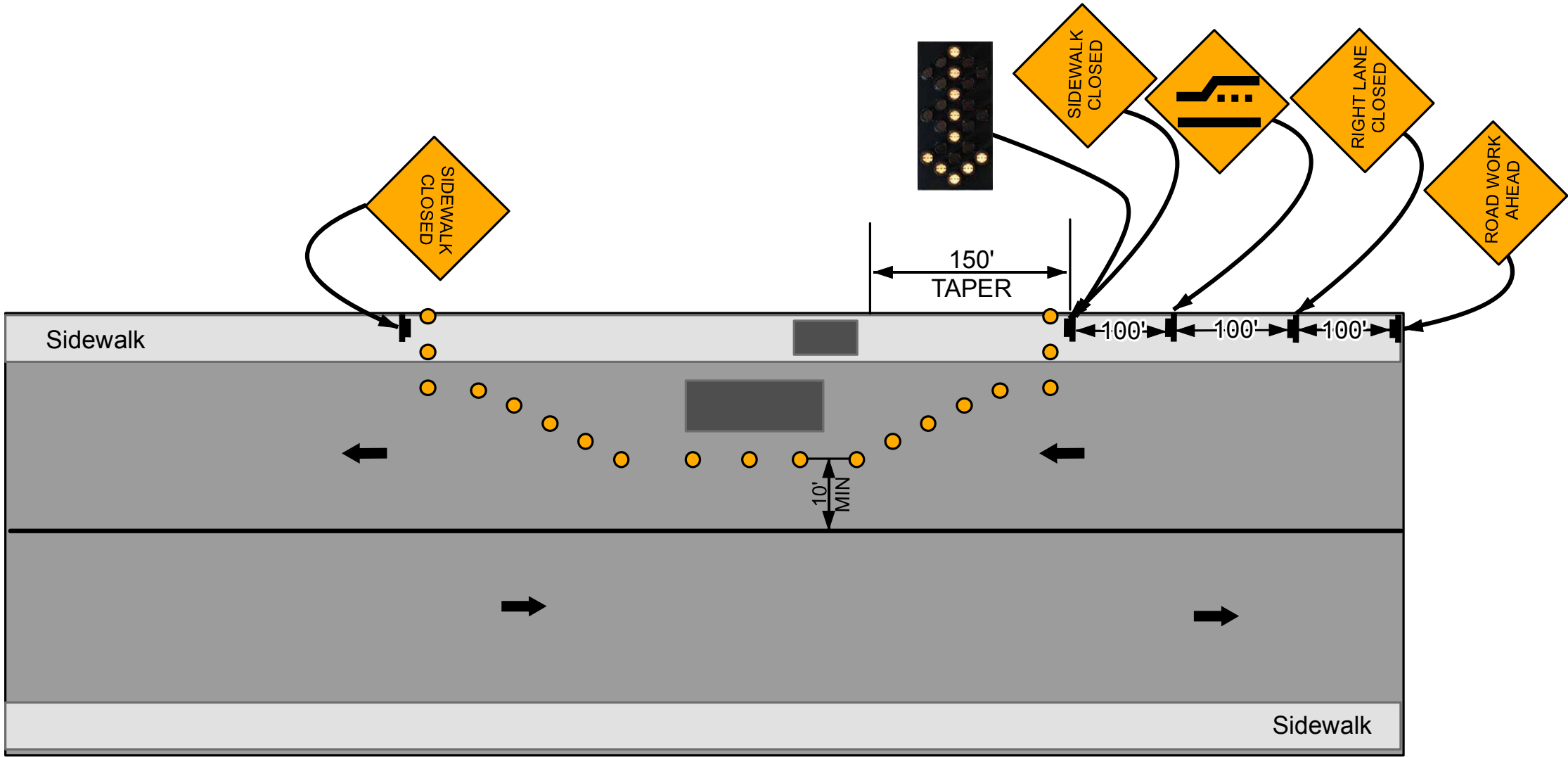
Legend

-  CONE PLACEMENT
-  SIGNAGE PLACEMENT

SIGNS AND CONES
MOVE AS WORK
PROGRESSES



TRAFFIC CONTROL
ALONG ROADS
WITH SIDEWALKS



This plan is to be used on all 2 lane roads with sidewalks in this package. SW Holdbrooks Dr, SW Maryville Pl, SW Walsh Dr, SW Osage Dr, SW Rutherford Dr.
See attached maps.



BRET SIMONS
EMAIL: bret.simons@aeg.cc

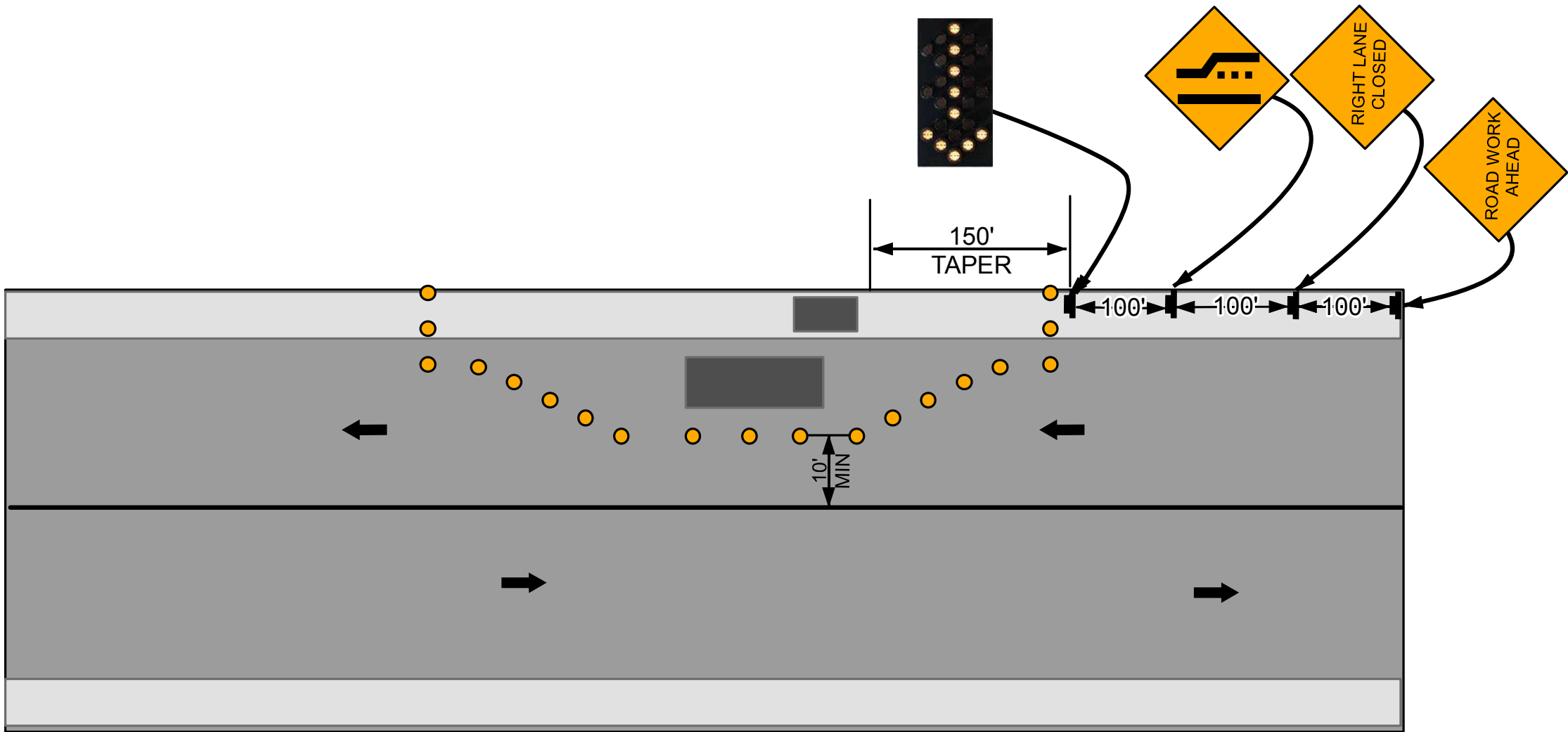
Legend

- CONSTRUCTION VEHICLE
- CONE PLACEMENT
- SIGNAGE PLACEMENT

SIGNS AND CONES
MOVE AS WORK
PROGRESSES



TRAFFIC CONTROL
ALONG ROADS



This plan is to be used on all 2 lane roads in this package. SW Pryor Rd, SW Crane Rd, SW Holdbrooks Dr, SW Maryville Pl, SW Walsh Dr, SW Osage Dr, SW Rutherford Dr.
See attached maps.



BRET SIMONS
EMAIL: bret.simons@aeg.cc

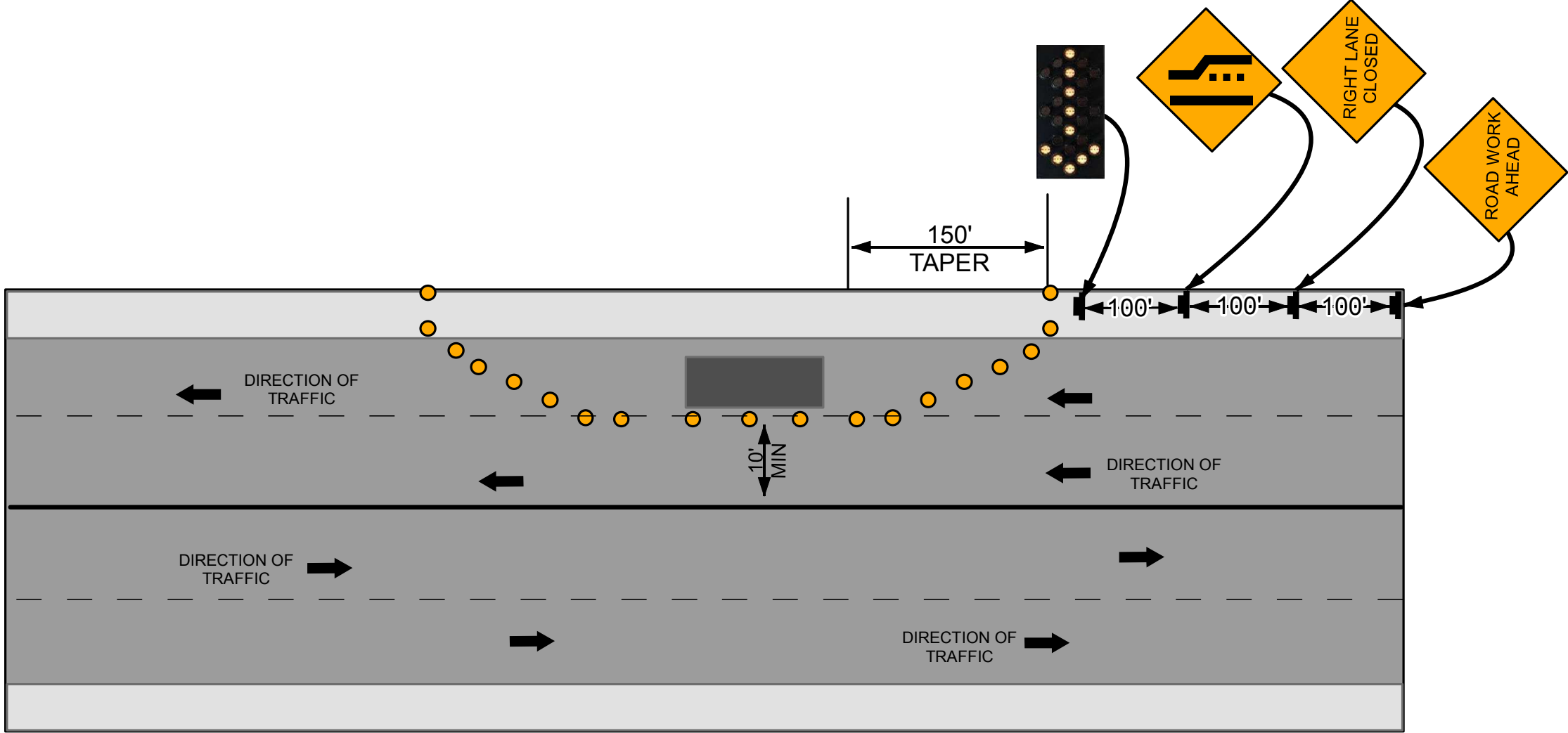
Legend

- CONSTRUCTION VEHICLE
- CONE PLACEMENT
- SIGNAGE PLACEMENT

SIGNS AND CONES
MOVE AS WORK
PROGRESSES



TRAFFIC CONTROL
ALONG ROADS



This plan is to be used on all 4 lane roads in this package. Outer Belt Road.
See attached maps.



BRET SIMONS
EMAIL: bret.simons@aeg.cc

Legend

- CONSTRUCTION VEHICLE
- CONE PLACEMENT
- SIGNAGE PLACEMENT

SIGNS AND CONES
MOVE AS WORK
PROGRESSES

