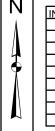


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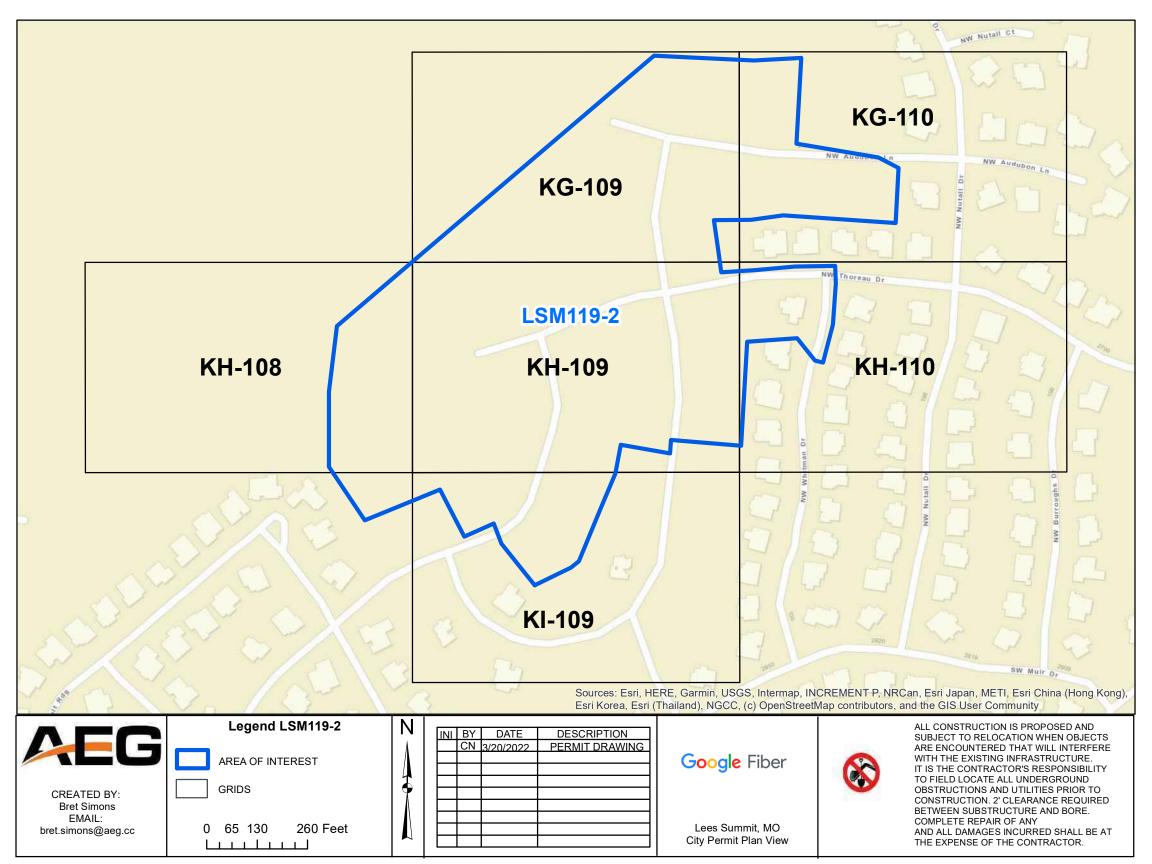
bret.simons@aeg.cc

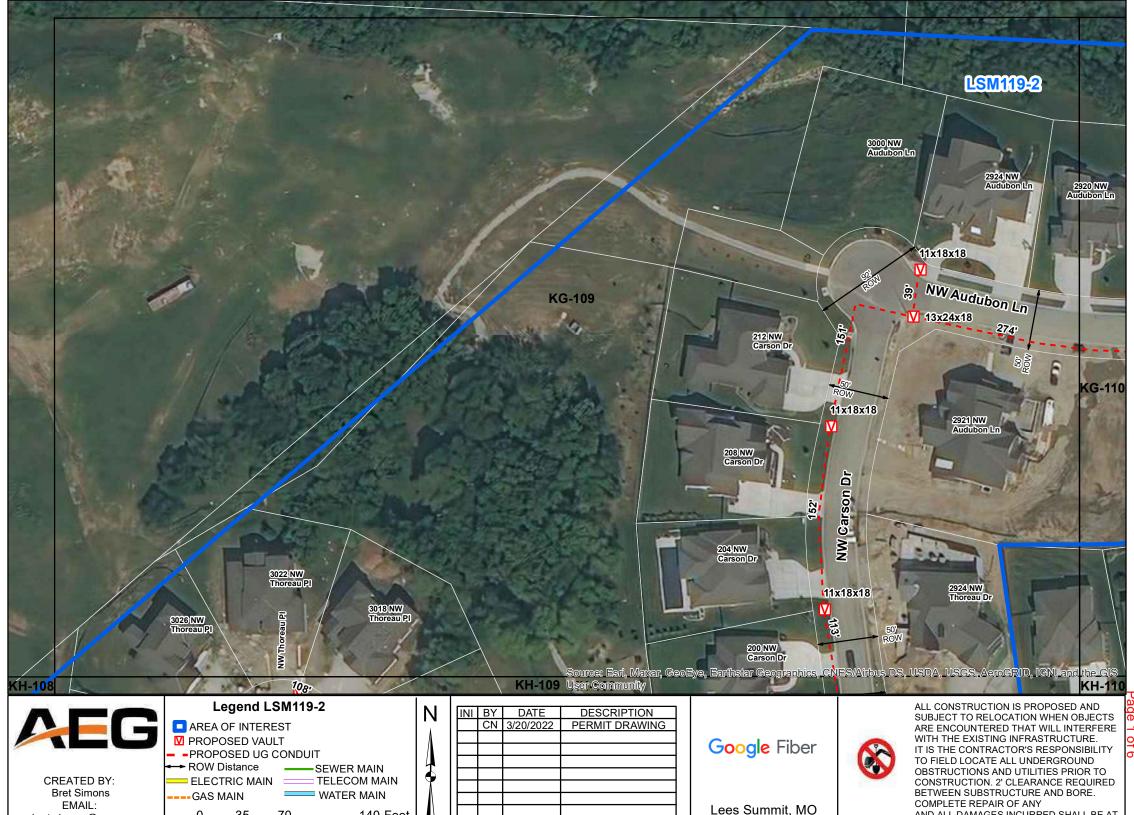
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INI	BY	DATE	DESCRIPTION
	CN	3/20/2022	PERMIT DRAWING
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Lees Summit, MO City Permit Plan View COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.





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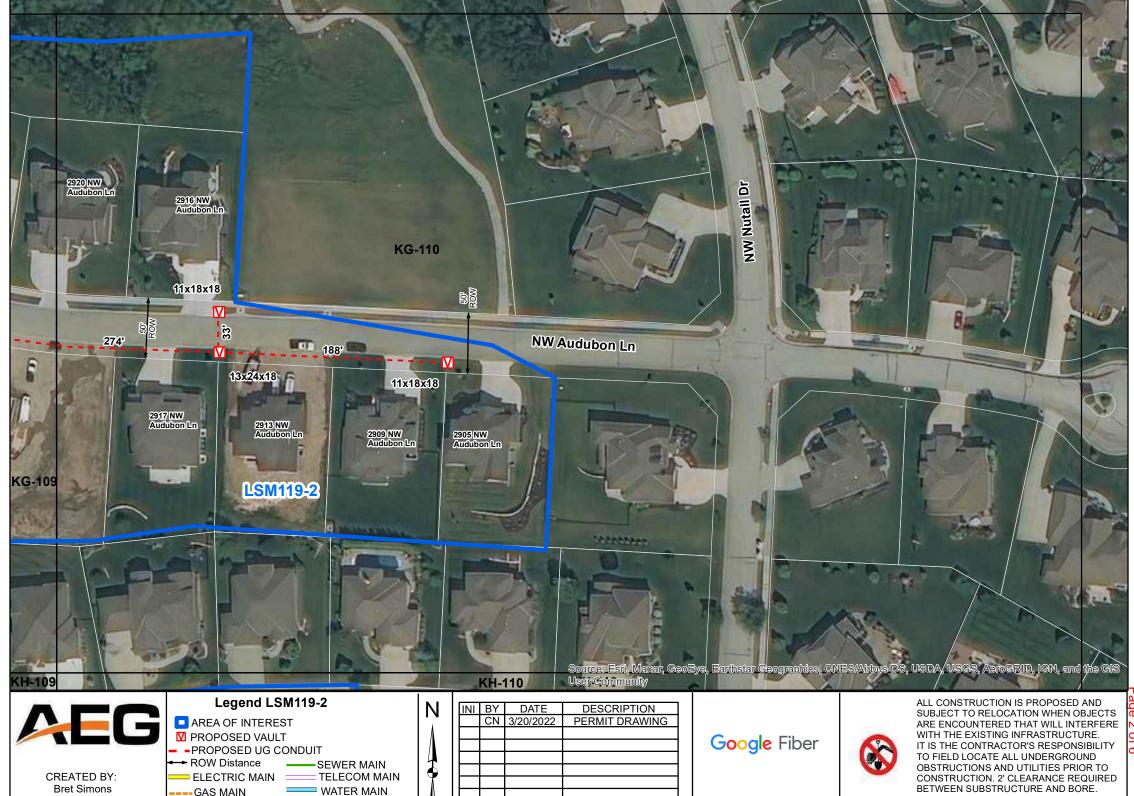
bret.simons@aeg.cc

70

140 Feet

AND ALL DAMAGES INCURRED SHALL BE AT

THE EXPENSE OF THE CONTRACTOR.



WATER MAIN

140 Feet

---GAS MAIN

35

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EMAIL:

bret.simons@aeg.cc

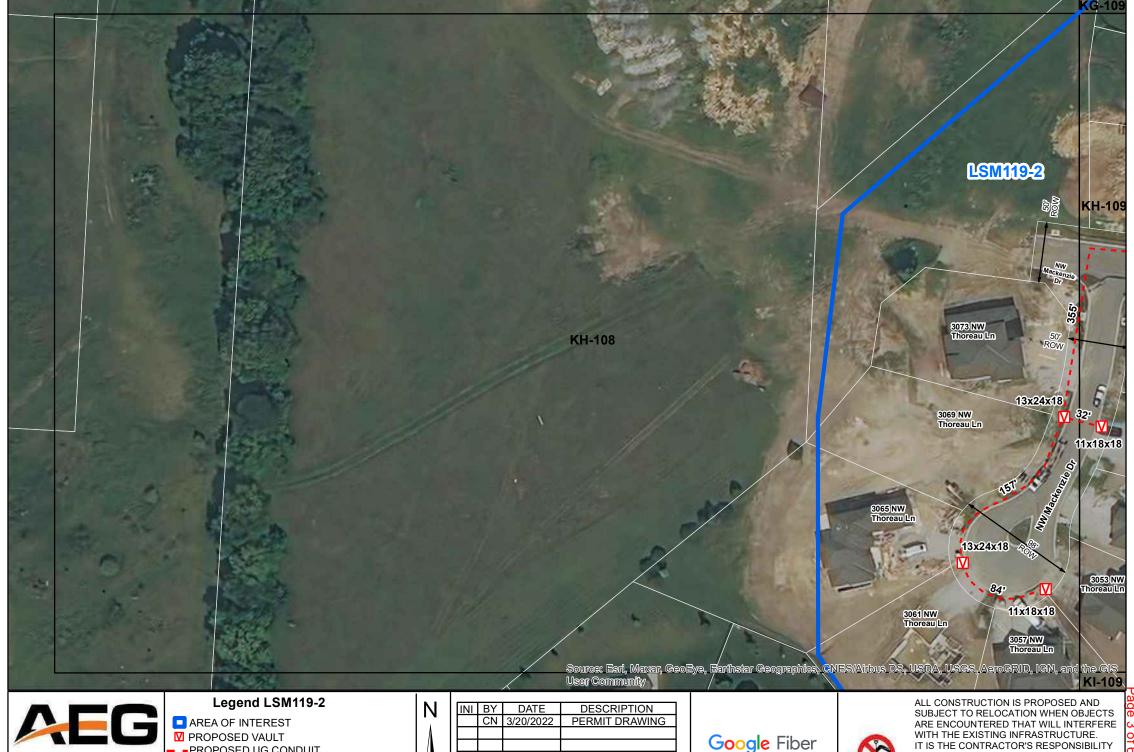
BETWEEN SUBSTRUCTURE AND BORE.

THE EXPENSE OF THE CONTRACTOR.

AND ALL DAMAGES INCURRED SHALL BE AT

COMPLETE REPAIR OF ANY

Lees Summit, MO



CREATED BY: **Bret Simons** EMAIL: bret.simons@aeg.cc - PROPOSED UG CONDUIT

➤ ROW Distance SEWER MAIN ELECTRIC MAIN TELECOM MAIN WATER MAIN ---GAS MAIN

35 70 140 Feet

	N	INI	BY	DATE	DESCRIPTION
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Lees Summit, MO City Permit Plan View



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.



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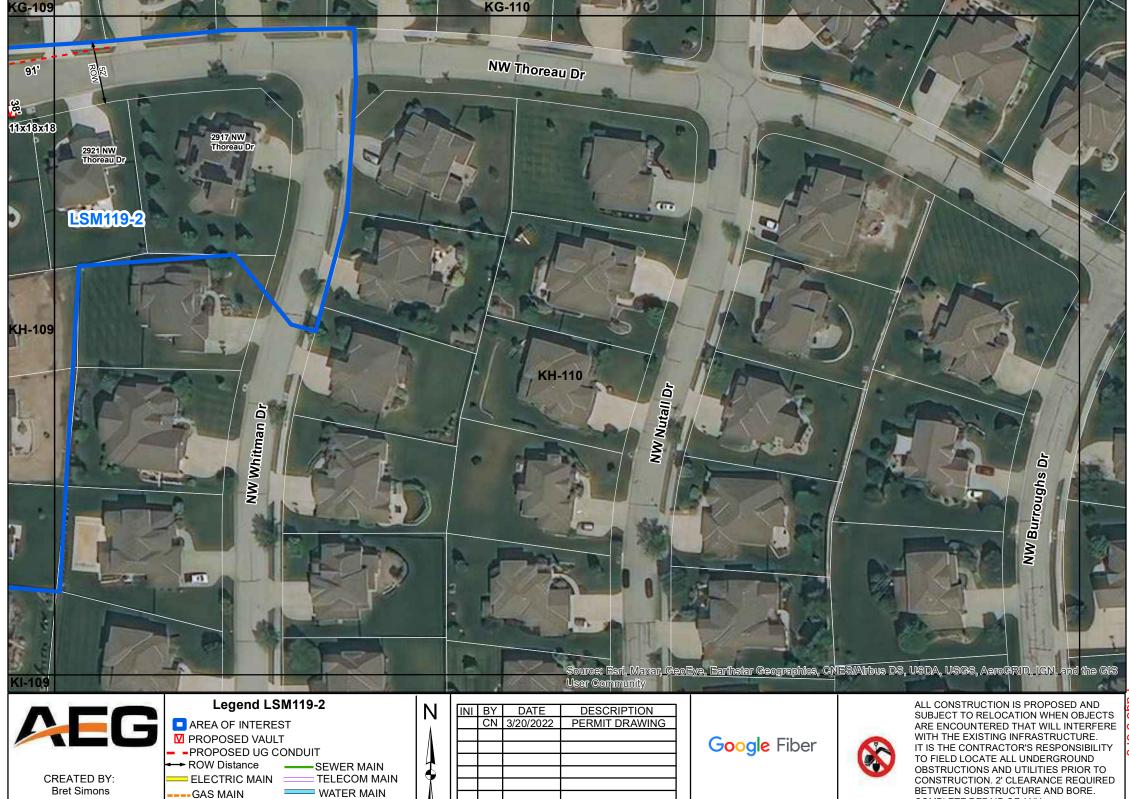
140 Feet

COMPLETE REPAIR OF ANY

AND ALL DAMAGES INCURRED SHALL BE AT

THE EXPENSE OF THE CONTRACTOR.

Lees Summit, MO



EMAIL:

bret.simons@aeg.cc

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140 Feet

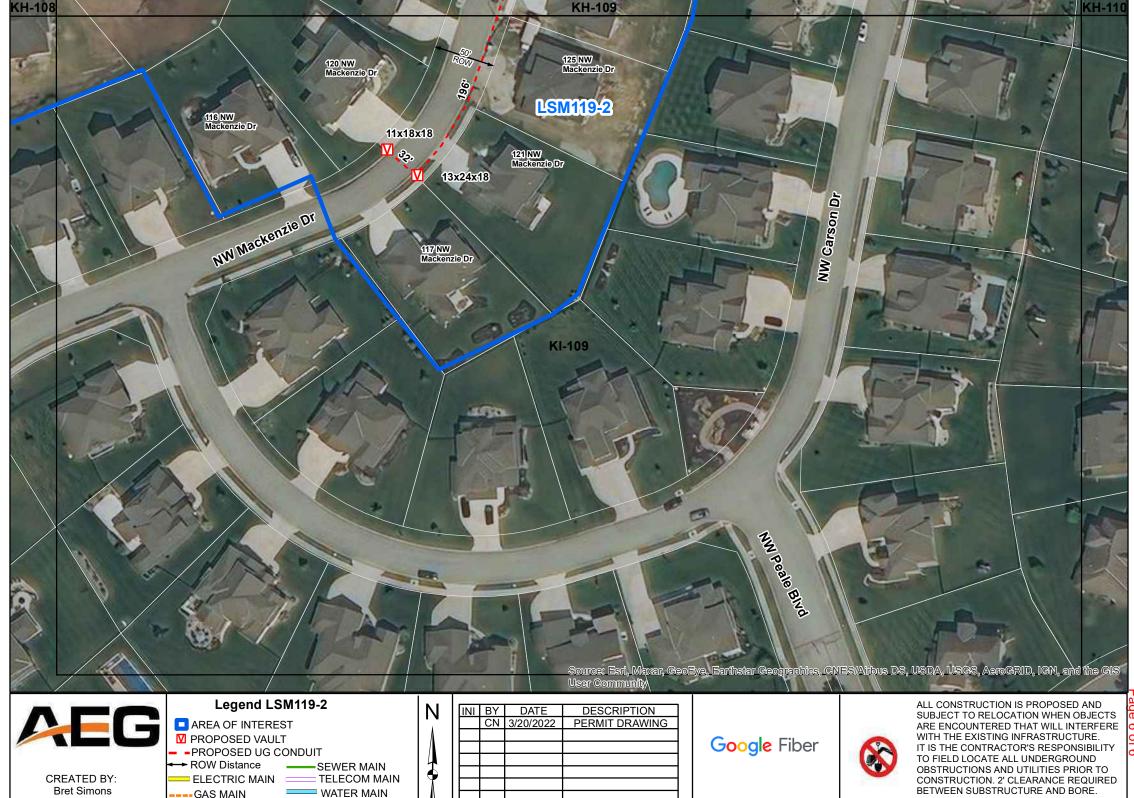
e 5 of 6

COMPLETE REPAIR OF ANY

AND ALL DAMAGES INCURRED SHALL BE AT

THE EXPENSE OF THE CONTRACTOR.

Lees Summit, MO



WATER MAIN

140 Feet

---GAS MAIN

35

70

EMAIL:

bret.simons@aeg.cc

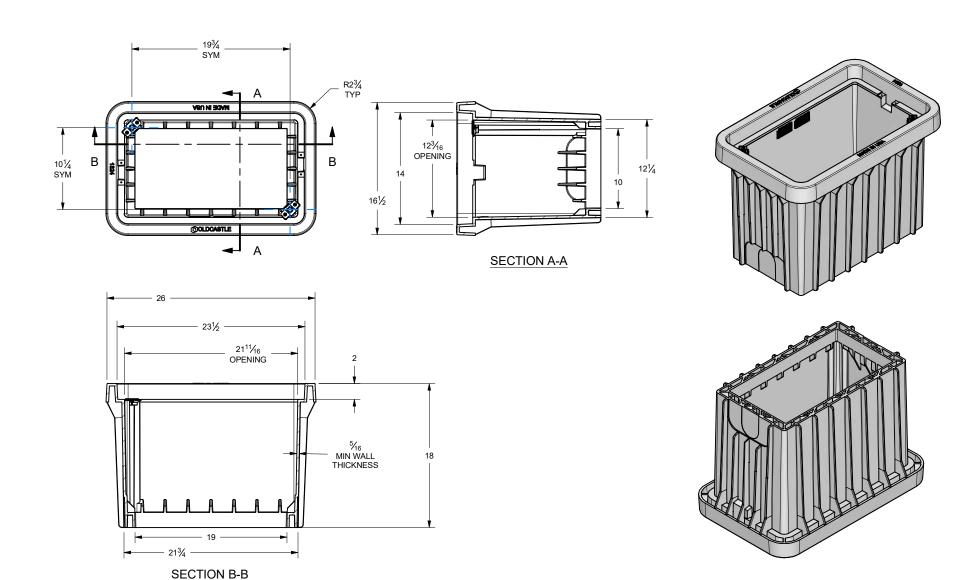
BETWEEN SUBSTRUCTURE AND BORE.

THE EXPENSE OF THE CONTRACTOR.

AND ALL DAMAGES INCURRED SHALL BE AT

COMPLETE REPAIR OF ANY

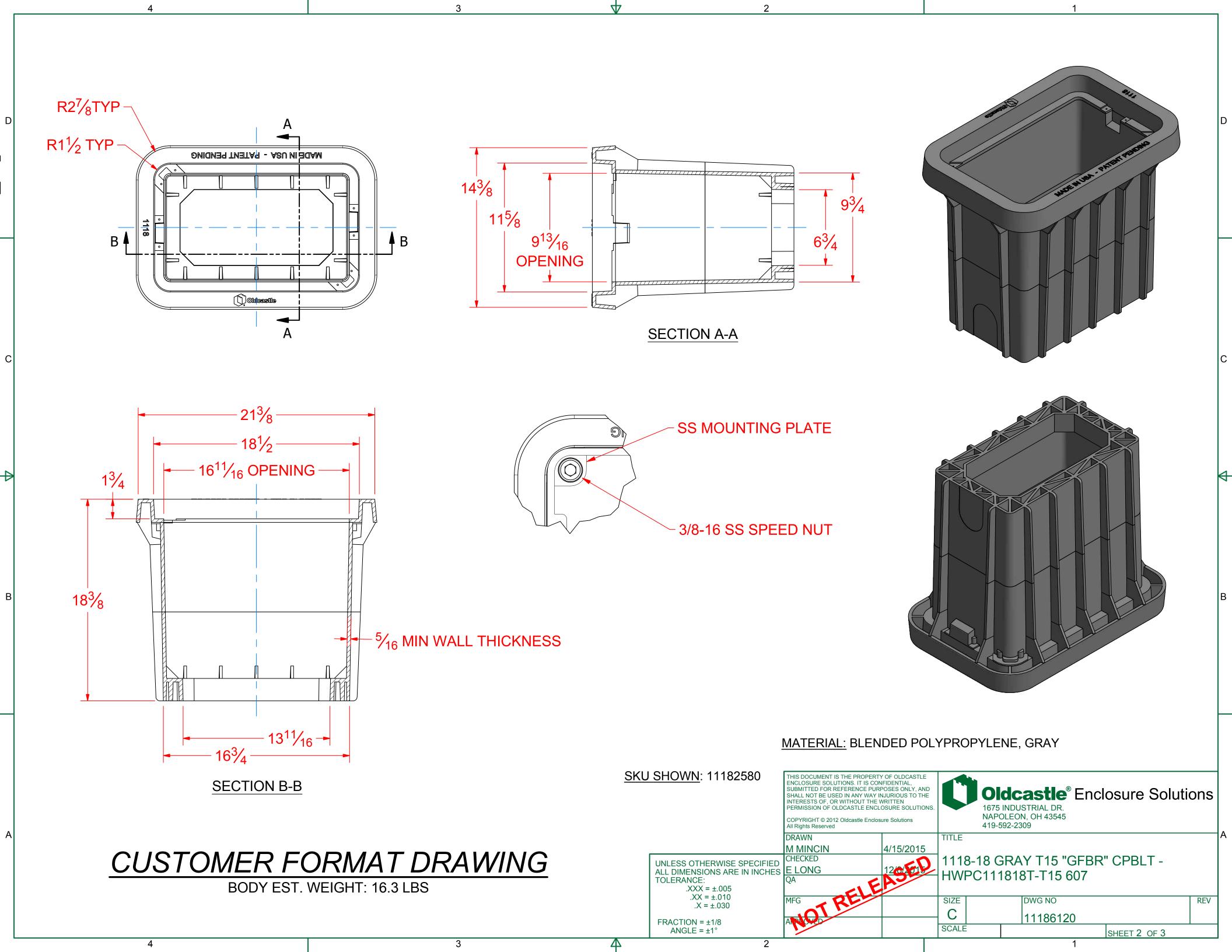
Lees Summit, MO

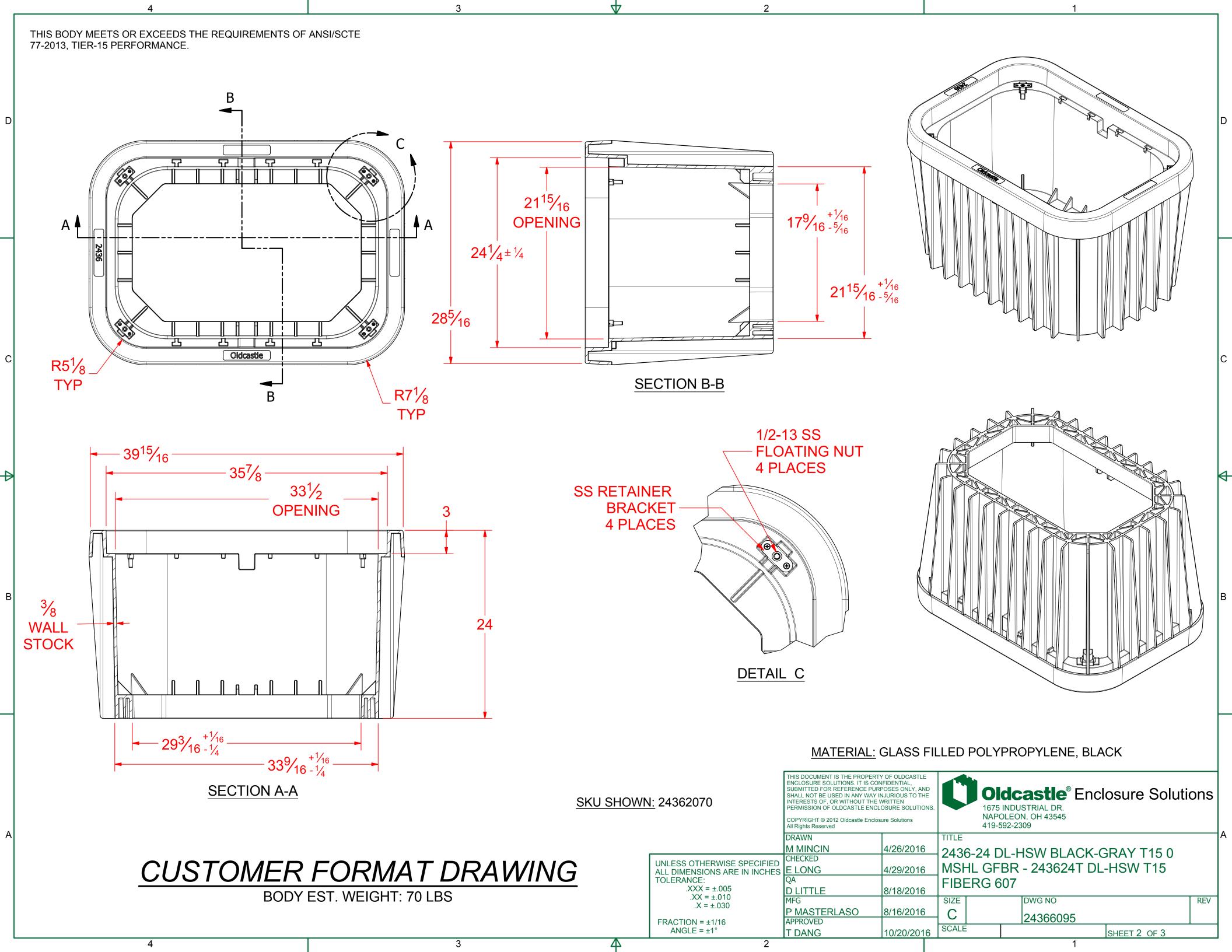


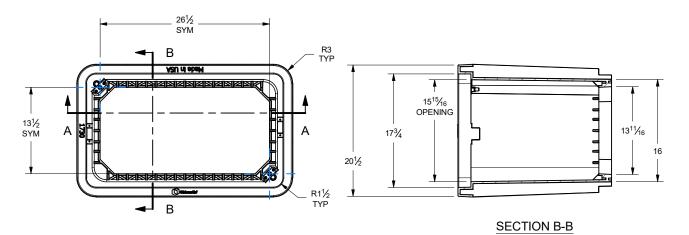
# CUSTOMER FORMAT DRAWING

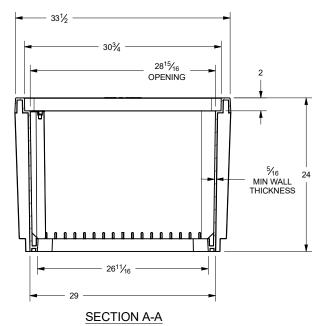
TOTAL EST. UNIT WEIGHT: 41.69 LBS
EST. LID WEIGHT: 15.79 LBS | EST. BODY WEIGHT: 25.9 LBS

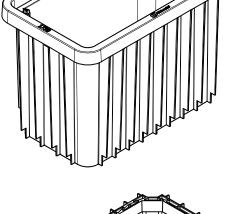
VARIES 41.69 LBS OES_TREATMENT/COATING PROJECTION OES_DRAWING_UNITS	THIS DOCUMENT IS THE PROPERTY OF CUCASILE PROPERTY OF CUCASILE PROPERTY IS CONFIDENTLY, ISLIGNITIED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAYN WAYN DISCOULT OF THE INTERISTS OF, OR WITHOUT THE WIRTIES PERMISSION OF CUCASTLE COPYRIGHT TO 2019 Oldoastle Infrastructure AIR Rights Reserved  OIGCOMMENT STATEMENT OF COMPANY  OF THE CO
$\begin{array}{ccc} \underline{IMPERIAL} & \underline{METRIC} & \mathtt{OTTERS} \ NOT \ DIMENSIONED \ CAN \\ X.XXX = \pm .0.05 & X.XX = \pm 0.10 & \underline{BEMANUFACTURED} \ WITH 3D \\ X.XX = \pm 0.01 & X.X = \pm 0.5 & \underline{FILE} \ USING \ THE \ FINER \\ X.XX = \pm .0.1 & X.X = \pm .0.5 & \underline{CAPALT} \ CAPALT \ CA$	OES, DESCRIPTION 1324-18 DL/LW UNIT, FLUSH COVER T15 GRAY, 2X 1/2-6 HEX AUGER CPBLT, 'GFBR'
63 1.6 REMOVE BURRS AND SHARP	AUTHOR K LEITENBERGER 11/20/2020 A 13246018

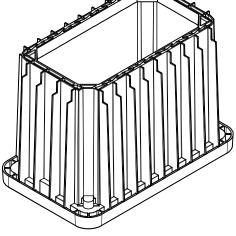












#### MATERIAL: BLENDED POLYPROPYLENE

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Oldcastle Infrastructure

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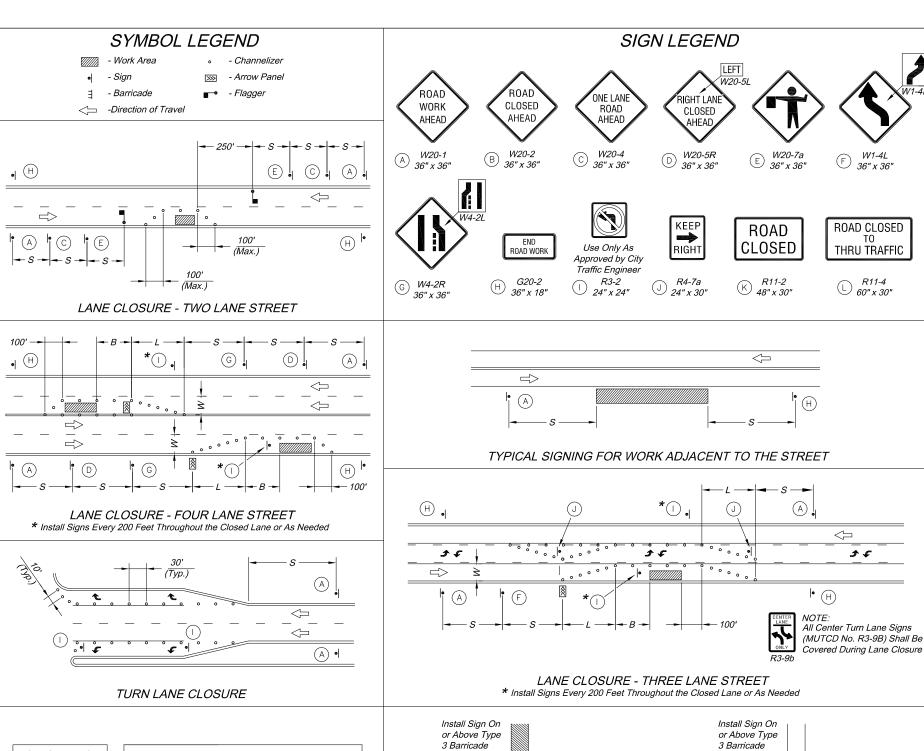
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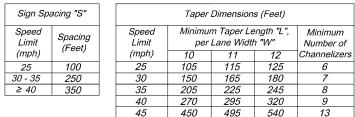
1730-24 DL/LW FLSH COVER, T15 - MULTI SKU

AUTHOR		SHEET SIZE	OES_	SKU		REVISION NUMBER
K LEITENBERGER	4/30/2020	Δ	NI/Z	7		
CHECKED BY			1 4//	1		
FLONG	4/30/2020	SCALE: 1/1	15	FILE NAME: 0030984.idw	SH	EET 5 OF 6

# CUSTOMER FORMAT DRAWING

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

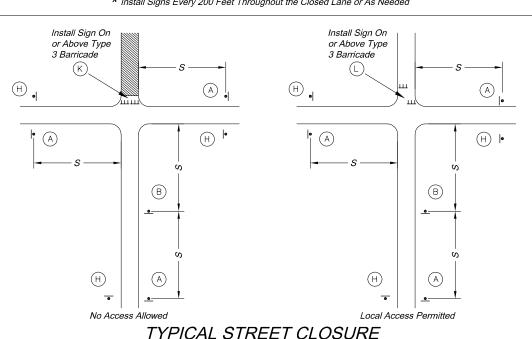




Speed Limit	Spacing (Feet)	Speed Limit		Minimui per	Minimum Number d		
(mph)	(1 001)		(mph)	10	11	12	Channelize
25	100		25	105	115	125	6
30 - 35	250		30	150	165	180	7
≥ 40	350		35	205	225	245	8
			40	270	295	320	9
			45	450	495	540	13

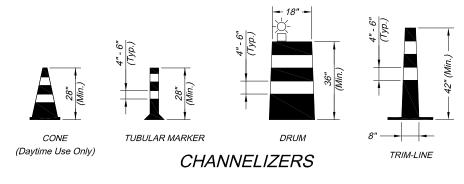
	Guidelines for Length of Longitudinal Buffer Space "B"			
Speed Limit (mph)	Length (Feet)			
25	35			
30	55			
35	85			
40	120			
45	170			

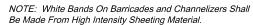
Maximum Channelizer Spacing				
Speed	Within	Outside		
Limit	Taper	Taper		
(mph)	(Feet)	(Feet)		
25	25	50		
30	30	60		
<i>35</i>	35	70		
40	40	80		
45	45	90		

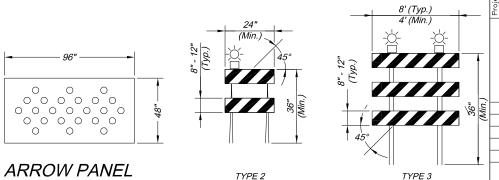


#### **GENERAL NOTES:**

- 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.
- 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
- 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
  - 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.







**BARRICADES** 

Project No.: X x OF x

 $\mathcal{O}$ 

 $\exists$ DET, CONTROL

TRAFFIC

Checked By: MP Date: 12-10-2008

### TRAFFIC CONTROL FOR UNDERGROUND INSTALLATION **ACROSS ROADS**

S1	UTILITY WORK AHEAD (W21-7)					
S2	MEN WORKING					
<b>S</b> 3	BE PREPARED TO STOP (W20-7B)					
S4	FLAGGER AHEAD (W20-7A)					
*	FLAGGER/SPOTTER STATION					
	PROTECTIVE VEHICLE					

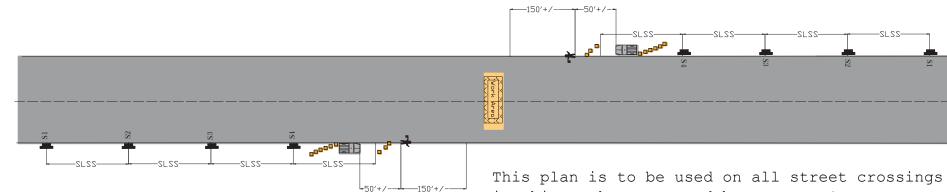
#### NOTES:

-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

- -GODGLE FIBER / ATLANTIC ENGINEERING GROUP TO PULL NEW FIBER OPTIC CABLE THROUGH COONDUIT
- CONDUIT WILL BE INSTALLED. TRAFFIC WILL BE STOPPED ONLY AS
- -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′ +/-			



in this package. NW Audubon Ln, NW Carson Dr, NW Mackenzie Dr, NW Thoreau Pl.

See attached maps.



**BRET SIMONS** EMAIL: bret.simons@aeg.cc Legend

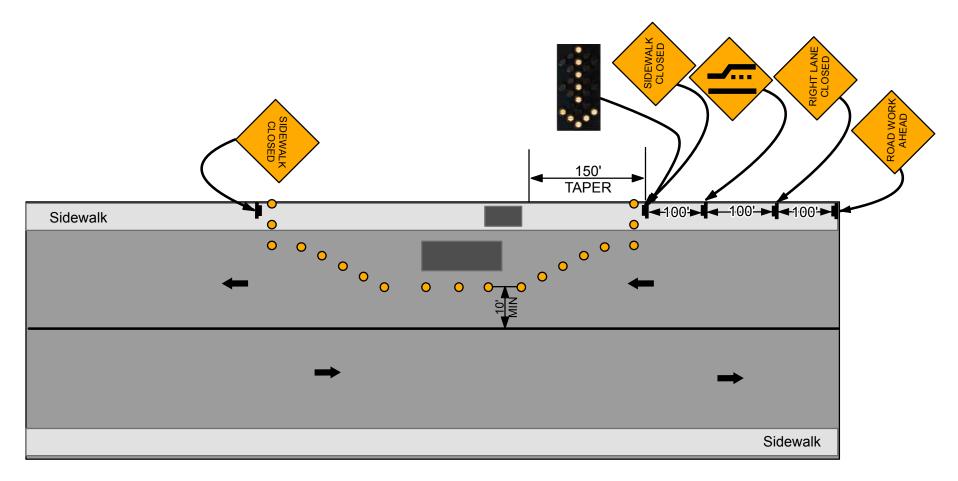


SIGNAGE PLACEMENT

SIGNS AND CONES MOVE AS WORK **PROGRESSES** 



### TRAFFIC CONTROL **ALONG ROADS** WITH SIDEWALKS

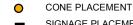


This plan is to be used on all 2 lane roads with sidewalks in this package. NW Mackenzie Dr. See attached maps.

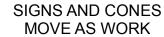


Legend

CONSTRUCTION VEHICLE

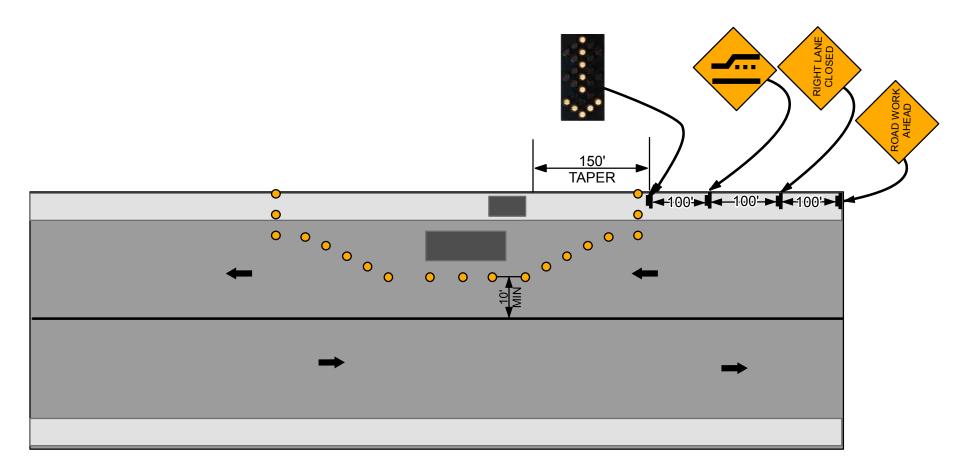


SIGNAGE PLACEMENT



**PROGRESSES** 

### TRAFFIC CONTROL **ALONG ROADS**



This plan is to be used on all 2 lane roads in this package. NW Audubon Ln, NW Carson Dr, NW Mackenzie Dr, NW Thoreau Pl. See attached maps.



**BRET SIMONS** EMAIL: bret.simons@aeg.cc

## Legend



SIGNAGE PLACEMENT

SIGNS AND CONES MOVE AS WORK **PROGRESSES** 

