

Map of Summit area showing project location. A red line indicates the project path, starting at "PROJECT BEGIN" and ending at "PROJECT END". The path runs along NW Oldham Pkwy, crossing NW Murray Rd and NW O'Brien Rd. A black box labeled "SHEET 3" covers the central portion of the project. The map includes labels for NW Murray Rd, NW O'Brien Rd, NW Oldham Pkwy, NW Blue Pkwy, Summit Park, Summit Shopping Center, and E US Highway 50. A scale bar at the bottom indicates 0 to 0.5 miles.

## CONTACT INFO

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COVER SHEET	2025
260 NW OLDHAM PKWY	
LEE'S SUMMIT, MO	

drawn by: \_\_\_\_\_ RS  
checked by: \_\_\_\_\_ CS  
approved by: \_\_\_\_\_ GV  
project no.: \_\_\_\_\_ 53202  
drawing no.: \_\_\_\_\_ SEGRA-32  
date: \_\_\_\_\_ 6/4/2025

SHEET  
1 OF 6

























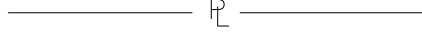

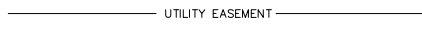

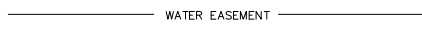

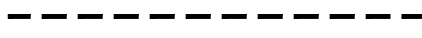



















Know what's **below**.  
**Call** before you dig.



NOT TO SCALE

### LEGEND-KEY

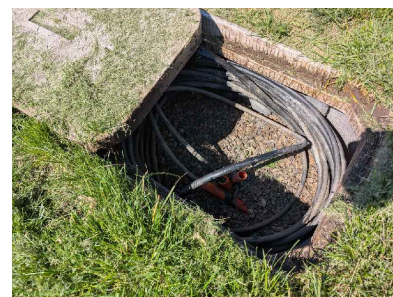
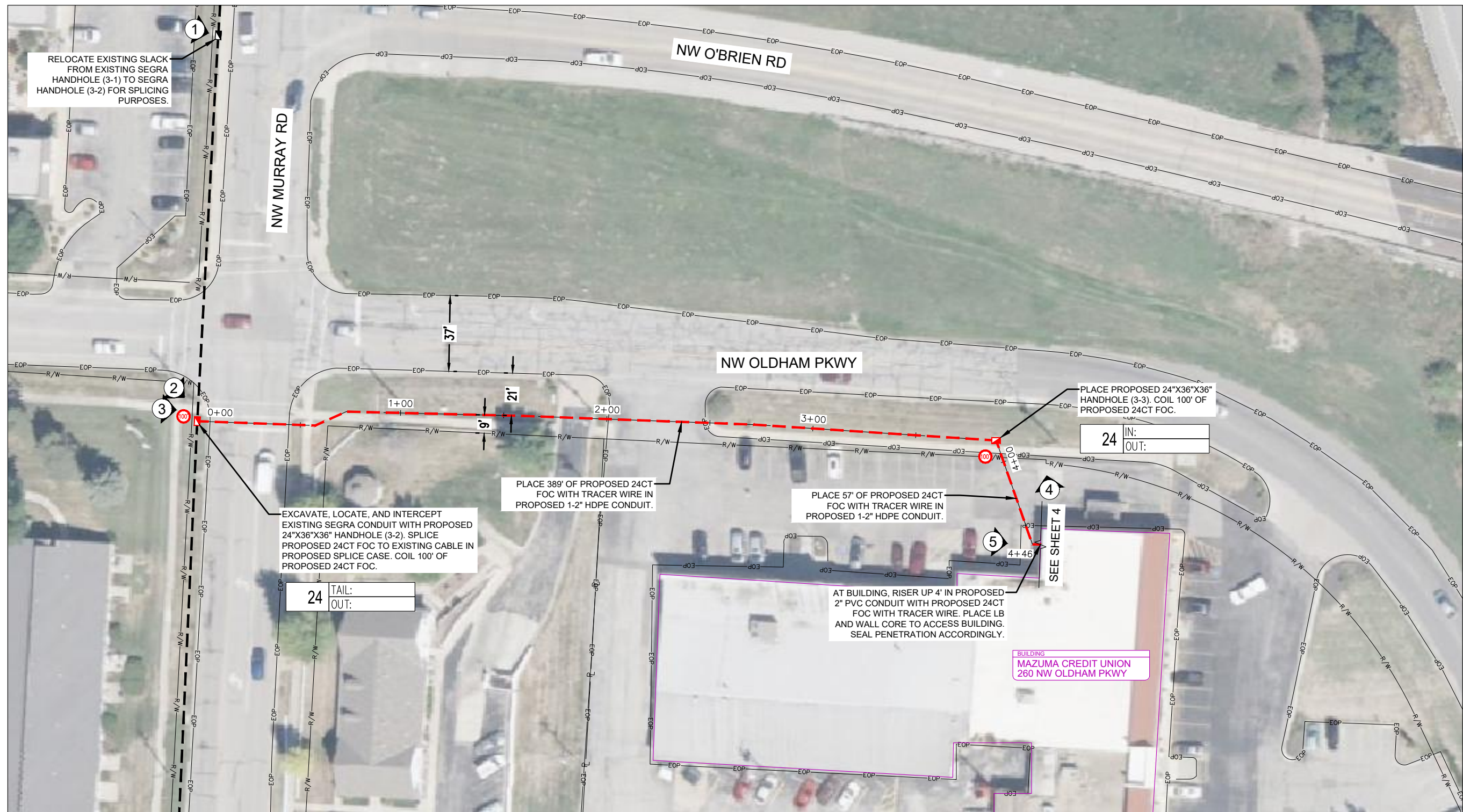
	UTILITY POLE		GAS
	UTILITY MANHOLE		WATER
	UTILITY HANDHOLE		TELEPHONE
	TELEPHONE PED - CROSS BOX		ELECTRIC
	EXISTING MANHOLE		SANITARY SEWER (SEW)
	EXISTING HANDHOLE		STORM SEWER
	EXISTING COIL		FENCE
	EXISTING AERIAL COIL		CABLE TV
	EXISTING DOWN GUY		STEAM
	EXISTING SPLICE POINT		OIL
	TREE		UNKNOWN UTILITY
	PROPOSED MANHOLE		RIGHT OF WAY
	PROPOSED HANDHOLE		EDGE OF PAVEMENT
	PROPOSED COIL		PROPERTY LINE
	PROPOSED AERIAL COIL		UTILITY EASEMENT
	PROPOSED DOWN GUY		WATER EASEMENT
	PROPOSED SPLICE POINT		EXISTING CONDUIT
	PROPOSED FIBER DISTRIBUTION PANEL		EXISTING AERIAL FIBER
	PROPOSED BORE PIT		EXISTING STRAND
	PROPOSED PULL BOX		PROPOSED CONDUIT
	PROPOSED RUNNING LINE		PROPOSED AERIAL FIBER
	FLOW LINE		PROPOSED STRAND
	FIBER OPTIC CABLE		
	EDGE OF PAVEMENT		
	CUT & RESTORE CONC./ASPH.		
	INLET		
	INLET GRATE		

1. CONTRACTOR MUST OBTAIN LOCATES PRIOR TO ANY TYPE OF EXCAVATION.
2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY REQUIRED PERMITS PERTAINING TO ALL ASPECTS OF THE PROJECT AND MUST HAVE THE APPROPRIATE PERMITS AT THE JOB SITE.
3. ALL CABLE WILL BE PLACED AT STANDARD MINIMUM DEPTH OF 36" IN UNPAVED AREAS AND 48" MINIMUM BELOW STREETS AT ALL TIMES, UNLESS OTHERWISE NOTED IN THE PLANS.
4. ANY LANDSCAPING WILL BE REPLACED TO EQUAL OR BETTER THAN THAT WHICH EXISTED PRIOR TO WORK.
5. PROJECT SITE WILL BE PROPERLY SECURED PRIOR TO THE END OF EACH DAY.
6. ALL WORK IS TO BE IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION IN THE WORK ZONE.
7. CONTRACTORS ARE ADVISED TO CONTACT SEGRA FOR ANY ADDITIONAL INFORMATION OR CLARIFICATION CONCERNING SCOPE OF WORK OR THE REQUIREMENTS NECESSARY FOR PROJECT COMPLETION.
8. ANY FIELD ADJUSTMENTS TO THE PROPOSED PLAN MUST BE APPROVED BY AN APPROPRIATE SEGRA REPRESENTATIVE.
9. BEFORE CONSTRUCTION BEGINS, CONTRACTOR SHALL TAKE THE APPROPRIATE PRECAUTIONS TO AVOID ANY POTENTIAL OBSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
10. OLSSON ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS (HORIZONTAL OR VERTICAL) OR RIGHT-OF-WAY LOCATION. THE EXISTING UTILITIES AND RIGHT-OF-WAY SHOWN ON THESE PLANS HAVE BEEN PLOTTED FROM THE BEST INFORMATION AVAILABLE. IT IS HOWEVER, THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES AND RIGHT-OF-WAY PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

[illegible]



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DATE: Jun 04, 2025 2:07pm XREFS: C:BASE\_02500009-32\_260 Oldham



EXISTING HANDHOLE 1



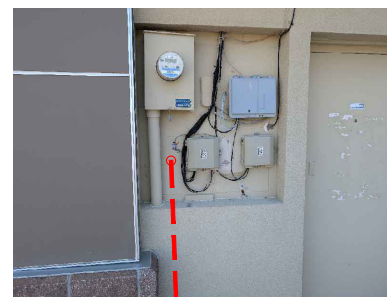
PROPOSED HANDHOLE 



PROPOSED PATH 



PROPOSED PATH 

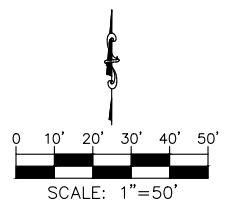



PROPOSED PATH 

NOTE: PORTION OF THIS DESIGN IS ON PRIVATE  
PROPERTY. THE CONTRACTOR SHALL VERIFY RIGHT OF  
ENTRY PRIOR TO ANY CONSTRUCTION.



Know what's **below**.  
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PROJECT SHEET		REV. NO.	DATE	REVISIONS DESCRIPTION	<div> <b>SEGRA+Unite</b> <small>PERFORMANCE CONTRACTING</small></div>	<div>7301 West 133rd Street, Suite 200 Overland Park, KS 66213-4750</div> <div>TEL 913.381.1170 FAX 913.381.1174</div> <div>www.olsson.com</div>
260 NW OLDHAM PKWY						
LEE'S SUMMIT, MO						





# TYPICALS

**PCX**  
POLYMER CONCRETE  
The Next Generation

# PCA243636-00006

PCX POLYMER CONCRETE ASSEMBLY

24" x 36" x 36"

(For actual dimensions see drawing)

Polymer Concrete Assembly, Straight Sides, No Floor, WUC 3.6, ANSI/SCTE 77 - "T15/20K," 3/8" Hex Bolts, Standard Nameplate (Specify at time of order) Installed

## LOAD RATINGS

Incidental Traffic - Parking Lot, Sidewalk

Conforms to:

- WUC 3.6
- ASTM C 857
- ANSI/SCTE 77

## FEATURES:

- Drop-In nameplate
- Shipped assembled
- Skid resistant cover
- Stainless steel bolts
- Cast-in floating nut box
- Integral drain holes

Additional product information  
continued on the reverse

**newbasis**  
Composites for Infrastructure

2626 Kansas Avenue  
Riverside, California 92507

951.787.0600

951.787.0632 (fax)

info@newbasis.com



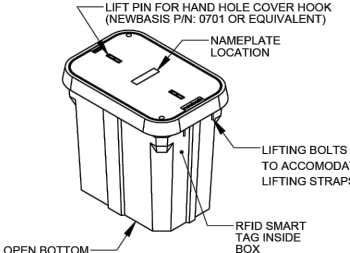
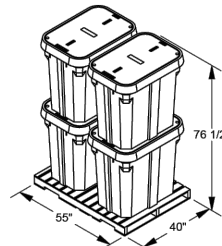
newbasis.com

An isometric line drawing of a rectangular polymer concrete assembly. The top surface is flat with rounded corners and features two rectangular recessed areas. Four stainless steel bolts are shown securing the top plate. Dimensions are indicated with leader lines: overall length is 36 inches, overall width is 24 inches, and overall height is 36 inches. The top plate has a thickness of 3 inches. The distance between the inner recessed areas is 35 5/8 inches. The depth of the recessed areas is 37 5/8 inches. The distance from the outer edge to the start of the recessed area is 26 inches.

Inside Dimensions

Length	Width	Depth
33 9/16"	21 15/16"	33"
27 1/8"	15 1/2"	

Rev: C.2

<h1>PCA243636-00006</h1>	<p>PCX POLYMER CONCRETE ASSEMBLY</p>	<div>   </div>
<p>Polymer Concrete Assembly, Straight Sides, No Floor, WUC 3.6, ANSI/SCTE 77 - "T15/20K," 3/8" Hex Bolts, Standard Nameplate (Specify at time of order) Installed</p>		<p><b>24" x 36" x 36"</b> For actual dimensions, see drawing on front side.</p>
<p><b>AVAILABLE OPTIONS</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tier 22 Load Rating</li> <li><input type="checkbox"/> Penta Bolts</li> <li><input type="checkbox"/> Telephone EMS</li> <li><input type="checkbox"/> Power EMS</li> <li><input type="checkbox"/> Custom Nameplate Installed</li> <li><input type="checkbox"/> Custom Nameplate Shipped Separately</li> <li><input checked="" type="checkbox"/> Standard Nameplate Installed</li> <li><input type="checkbox"/> Standard Nameplate Shipped Separately</li> </ul> <p><input checked="" type="checkbox"/> - Indicates a selected option</p>	<p><b>NAMEPLATES</b></p> <p>One standard nameplate included with each assembly, installed at the factory or easily installed in the field. Custom nameplates are available. Contact customer service.</p> <p><b>Standard Nameplates</b></p> <ul style="list-style-type: none"> <li>• Electric</li> <li>• Telephone</li> <li>• Fiber Optic</li> <li>• Water</li> <li>• Street Lighting</li> <li>• Broadband</li> <li>• Traffic</li> <li>• CATV</li> <li>• Traffic Signal</li> <li>• Communications</li> </ul>	 <p>Diagram labels:</p> <ul style="list-style-type: none"> <li>LIFT PIN FOR HAND HOLE COVER HOOK (NEWBASIS P/N: 0701 OR EQUIVALENT)</li> <li>NAMEPLATE LOCATION</li> <li>LIFTING BOLTS TO ACCOMMODATE LIFTING STRAPS</li> <li>RFID SMART TAG INSIDE BOX</li> <li>OPEN BOTTOM</li> </ul>
<p><b>MATERIAL PROPERTIES AND ATTRIBUTES</b></p> <p><b>Compressive Strength</b> Polymer Concrete - 1300 PSI Per ASTM D695</p> <p><b>Flexural Strength</b> Polymer Concrete - 4000 PSI Per ASTM D790</p> <p><b>Coefficient of Friction (Dry)</b> <b>1.085</b> Per ASTM C1028</p> <p><b>Polymer Concrete</b></p> <ul style="list-style-type: none"> <li>- Advanced composite: Very high strength to weight ratio</li> <li>- Non-metallic</li> <li>- Non-conductive</li> <li>- UV Resistant</li> <li>- High impact resistant</li> <li>- Impervious to chemicals and moisture</li> </ul> <p>Materials tested in accordance with ASTM D-543 and ASTM D-570</p>	<p><b>WEIGHTS AND SHIPPING</b></p> <p>COVER WEIGHT: 98.0 lbs.</p> <p>BOX WEIGHT: 330.1 lbs.</p> <p>ASSEMBLY WEIGHT: 428.1 lbs.</p> <p>LOADED PALLET WEIGHT: 1,775 lbs.</p> <p>Standard shipping includes van delivery of pallet quantities to the lower 48 states. Partial pallet quantities and flat bed shipping available at an additional cost.</p>	<p><b>PACKAGING</b> (Steel Banding, Edge Protection)</p> <p>PALLET QUANTITY: 4</p>  <p>Diagram dimensions:</p> <ul style="list-style-type: none"> <li>55"</li> <li>40"</li> <li>76 1/2"</li> </ul>

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DATE: Jun 04, 2025 2:07pm XREFS: C\_BASE\_025000009-32\_260\_Oldham USER: rschultz

TOTAL QUANTITIES			
ITEM	ITEM DESCRIPTION	UNITS	QUANTITY
1.	ROD & PROOF EXISTING DUCT	LF	
2.	SUPPLY & INSTALL 1-2" HDPE DUCT	LF	446
3.	SUPPLY & INSTALL 2-2" HDPE DUCT	LF	
4.	SUPPLY & INSTALL 1-1.25" HDPE DUCT	LF	
5.	SUPPLY & INSTALL 2" PVC DUCT	LF	4
6.	SUPPLY & INSTALL 4" PVC DUCT	LF	
7.	SUPPLY & INSTALL 2" RIGID STEEL ON A STRUCTURE	LF	
8.	SUPPLY & INSTALL 3-CELL MAXCELL	LF	
9.	SUPPLY & INSTALL TRACER WIRE	LF	450
10.	SUPPLY & INSTALL 24"X36"X36" HANDHOLE	EACH	2
11.	SUPPLY & INSTALL UNDERGROUND SPLICE ENCLOSURE	EACH	1
12.	INSTALL 432CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
13.	INSTALL 288CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
14.	INSTALL 96CT ARMORED FIBER OPTIC CABLE - UNDERGROUND	LF	
15.	LASH 432CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
16.	LASH 288CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
17.	LASH 96CT ARMORED FIBER OPTIC CABLE - AERIAL	LF	
18.	SUPPLY & INSTALL 6.6M STRAND	LF	
19.	SUPPLY & INSTALL FIBER SNOWSHOE	EACH	
20.	SUPPLY & INSTALL 2" PVC STAND OFF RISER	EACH	
21.	SUPPLY & INSTALL 4" PVC STAND OFF RISER	EACH	
22.	SUPPLY & INSTALL DOWN GUY AND ANCHOR	EACH	
23.	SUPPLY & INSTALL AERIAL SPLICE ENCLOSURE	EACH	
24.	SUPPLY & INSTALL 1" EMT CONDUIT	LF	
25.	SUPPLY & INSTALL 2" EMT CONDUIT	LF	
26.	SUPPLY & INSTALL 1" PLENUM RATED INNERDUCT	LF	20
27.	SUPPLY & INSTALL WYE CAST CONNECTOR	EACH	
28.	SUPPLY & INSTALL LB	EACH	1
29.	PROPOSED WALL CORE	EACH	1
30.	SUPPLY & INSTALL 2'X2'X3/4" PLYWOOD BACKBOARD	EACH	
31.	INSTALL 24CT INDOOR/OUTDOOR RATED FIBER OPTIC CABLE - UNDERGROUND	LF	695
32.	INSTALL 24CT INDOOR/OUTDOOR RATED FIBER OPTIC CABLE - AERIAL	LF	
33.	REMOVE & REPLACE SIDEWALK	SQ FT	
34.	REMOVE & REPLACE ASPHALT	SQ FT	
*	35. TRAFFIC PERMIT	AGENCIES	1
*	36. RIGHT OF WAY PERMIT	AGENCIES	1

\* CITY, COUNTY, AND STATE.

**olsson**

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SHEET  
6 OF 6