

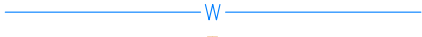














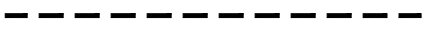





















### LEGEND-KEY

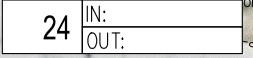
|   |                                   |  |                       |
|---|-----------------------------------|--|-----------------------|
|    | UTILITY POLE                      |  | GAS                   |
|    | UTILITY MANHOLE                   |  | WATER                 |
|    | UTILITY HANDHOLE                  |  | 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                 |  | EXISTING CONDUIT      |
|  | PROPOSED SPLICE POINT             |  | EXISTING AERIAL FIBER |
|  | PROPOSED FIBER DISTRIBUTION PANEL |  | EXISTING STRAND       |
|  | PROPOSED BORE PIT                 |  | PROPOSED CONDUIT      |
|  | PROPOSED PULL BOX                 |  | PROPOSED AERIAL FIBER |
|  | PROPOSED RUNNING LINE             |  | PROPOSED STRAND       |
|  | FLOW LINE                         |  |                       |
|  | 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 UPN 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 UPN 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.

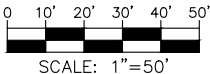
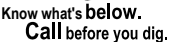




DWG: F:\2023\00001-00500\023-00009\40-design\AutoCAD\msa\_phases\unit-135  
DATE: Jul 27, 2023 3: 06pm XREFS: UPN-135\_44178\_520 NW Chipman Rd\_base



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



**olsor**



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[illegible]

# PROJECT SHEET

520 NW CHIPMAN RD

LEE'S SUMMIT, MO

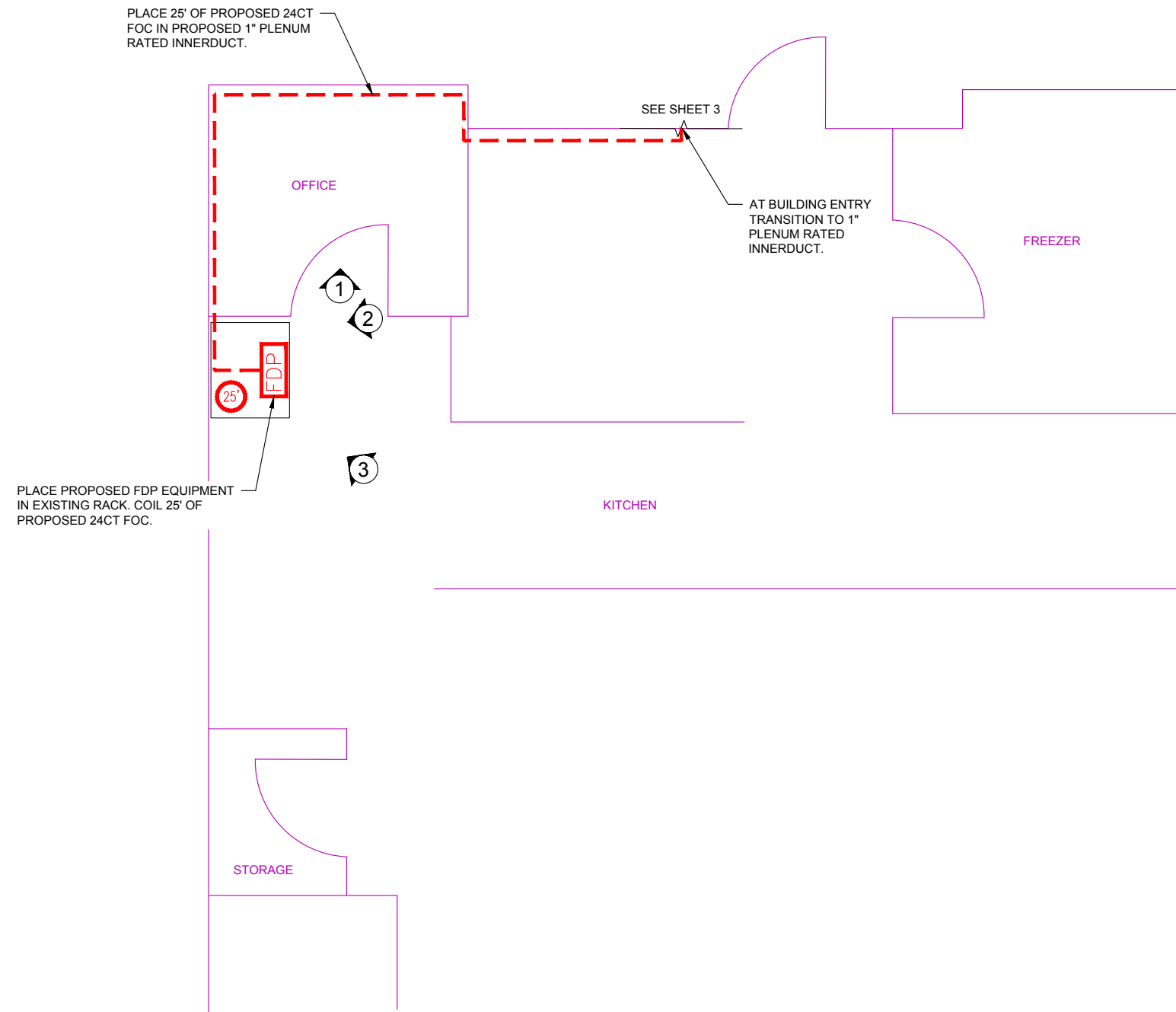
2023

drawn by: \_\_\_\_\_ BSM  
checked by: \_\_\_\_\_ AFV  
approved by: \_\_\_\_\_ JMC  
project no.: \_\_\_\_\_ 44178  
drawing no.: \_\_\_\_\_ UPN-135  
date: \_\_\_\_\_ 7/27/2023

SHEET  
3 OF 8



## DETAILS



DETAIL A (ISP PLAN)  
NTS



PROPOSED PATH 1



PROPOSED PATH 



PROPOSED FDP LOCATION 

**olson**

7301 West 133rd Street, Suite 200  
Overland Park, KS 66213-4750  
TEL 913.381.1170  
FAX 913.381.1174  
[www.olsson.com](http://www.olsson.com)



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[illegible]

DETAIL SHEET

520 NW CHIPMAN RD

LEE'S SUMMIT, MO

---

2023

|              |           |
|--------------|-----------|
| drawn by:    | BSM       |
| checked by:  | AFV       |
| approved by: | JMC       |
| project no.: | 44178     |
| drawing no.: | UPN-135   |
| date:        | 7/27/2023 |

SHEET  
4 OF 8







# TYPICALS

# 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:



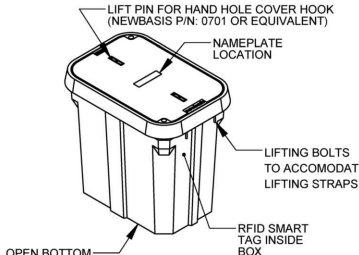
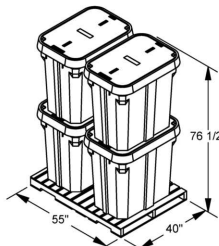
- Drop-In nameplate
- Shipped assembled
- Skid resistant cover
- Stainless steel bolts
- Cast-in floating nut box
  - Integral drain holes

Additional product information continued on the reverse

2626 Kansas Avenue  
Riverside, California 92507  
951.787.0600  
951.787.0632 (fax)  
info@newbasis.com  
newbasis.com

| Inside Dimensions |           |       |
|-------------------|-----------|-------|
| Length            | Width     | Depth |
| 33 9/16"          | 21 15/16" | 33"   |
| 27 1/8"           | 15 1/2"   |       |

Rev: C.0

|   |   |  |
|---|---|--|
| <b>PCA243636-00006</b>  | <b>PCX POLYMER CONCRETE ASSEMBLY</b>  | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>PCX<br/>POLYMER CONCRETE<br/>THE NEXT GENERATION</p> </div> <div style="text-align: center;">  <p>newbasis</p> </div> </div> |
| <b>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</b>  |   | <b>24" x 36" x 36"</b> For actual dimensions, see drawing on front side.   |
| <b>AVAILABLE OPTIONS</b> <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>  | <b>NAMEPLATES</b> <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> |   |
| <input checked="" type="checkbox"/> - Indicates a selected option   |   |  |
| <b>MATERIAL PROPERTIES AND ATTRIBUTES</b> <p><b>Compressive Strength</b><br/>Polymer Concrete - 11500 PSI<br/>Per ASTM D695</p> <p><b>Flexural Strength</b><br/>Polymer Concrete - 4000 PSI<br/>Per ASTM D790</p> <p><b>Coefficient of Friction (Dry)</b><br/><b>1.085</b><br/>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> | <b>WEIGHTS AND SHIPPING</b> <p><b>COVER WEIGHT:</b>    98.0 lbs.</p> <p><b>BOX WEIGHT:</b>     239.9 lbs.</p> <p><b>ASSEMBLY WEIGHT:</b>    337.9 lbs.</p> <p><b>LOADED PALLET WEIGHT:</b>    1394 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>  | <b>PACKAGING</b> (Steel Banding, Edge Protection) <p><b>PALLET QUANTITY:</b>    4</p>   |
| Rev. C  |   |  |



DWG: F:\2023\00001-00500\023-00009\40-design\AutoCAD\msa phases\unite-135\_520 nw chipman rd\Final Plans\UPN-135\_44178\_520 NW Chipman Rd.dwg  
DATE: Jul 27, 2023 3:06pm XREFS: UPN-135\_44178\_520 NW Chipman Rd\_base USER: ovellani

| TOTAL QUANTITIES |   |          |          |
|------------------|---|----------|----------|
| ITEM             | ITEM DESCRIPTION  | UNITS    | QUANTITY |
| 1.               | ROD & PROOF EXISTING DUCT   | LF       |          |
| 2.               | SUPPLY & INSTALL 1-2" HDPE DUCT                                   | LF       | 656      |
| 3.               | SUPPLY & INSTALL 2-2" HDPE DUCT                                   | LF       |          |
| 4.               | SUPPLY & INSTALL 1-1.25" HDPE DUCT                                | LF       |          |
| 5.               | SUPPLY & INSTALL 2" PVC DUCT                                      | LF       |          |
| 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       | 656      |
| 10.              | SUPPLY & INSTALL 24"X36"X36" HANDHOLE                             | EACH     | 1        |
| 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       | 12       |
| 26.              | SUPPLY & INSTALL 1" PLENUM RATED INNERDUCT                        | LF       | 25       |
| 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       | 918      |
| 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**

7301 West 133rd Street, Suite 200 TEL 913.381.1170  
Overland Park, KS 66213-4750 FAX 913.381.1174 [www.olsson.com](http://www.olsson.com)



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PE Stamp &amp; Approval

[illegible]

## FINAL QUANTITIES

520 NW CHIPMAN RD

LEE'S SUMMIT MO

2023

drawn by: \_\_\_\_\_ BSM  
checked by: \_\_\_\_\_ AFV  
approved by: \_\_\_\_\_ JMC  
project no.: \_\_\_\_\_ 44178  
drawing no.: \_\_\_\_\_ UPN-1355  
date: \_\_\_\_\_ 7/27/2023

# SHEET

8 OF 8