

LEGAL DESCRIPTION:

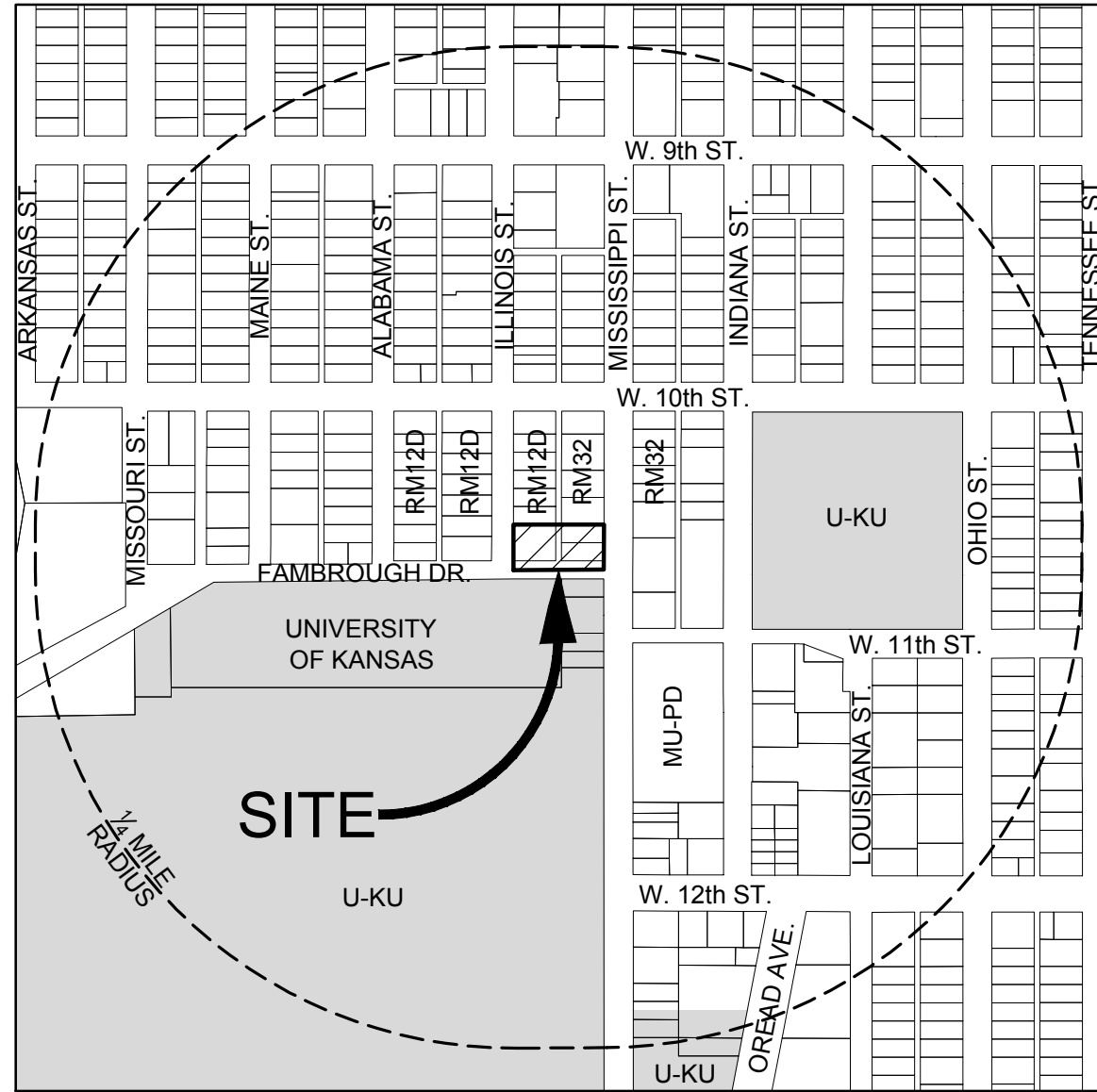
LOTS 7, 8, 9 AND 10, AND ALL ALLEY RIGHT-OF-WAY ADJACENT THERETO, IN BLOCK 25, IN SINCLAIR'S ADDITION TO THE CITY OF LAWRENCE IN DOUGLAS COUNTY KANSAS AND THE NORTH HALF OF FAMBROUGH DRIVE RIGHT-OF-WAY ADJACENT THERETO.

PARKING SUMMARY:

THE PARKING LOT PROPOSED WITH THIS FINAL DEVELOPMENT PLAN IS INTENDED TO PROVIDE OFF-STREET PARKING FOR THE RESIDENTIAL USES WITHIN THE HERE @ KANSAS MIXED USE DEVELOPMENT LOCATED AT 1101 INDIANA STREET. REFER TO FDP-16-00642 FOR A DETAILED ANALYSIS OF THE OVERALL PARKING REQUIREMENTS AND PROVISIONS OF THE HERE @ KANSAS PROJECT.

REQUIRED: 67 SPACES
PROVIDED: 68 SPACES

LOCATION MAP:



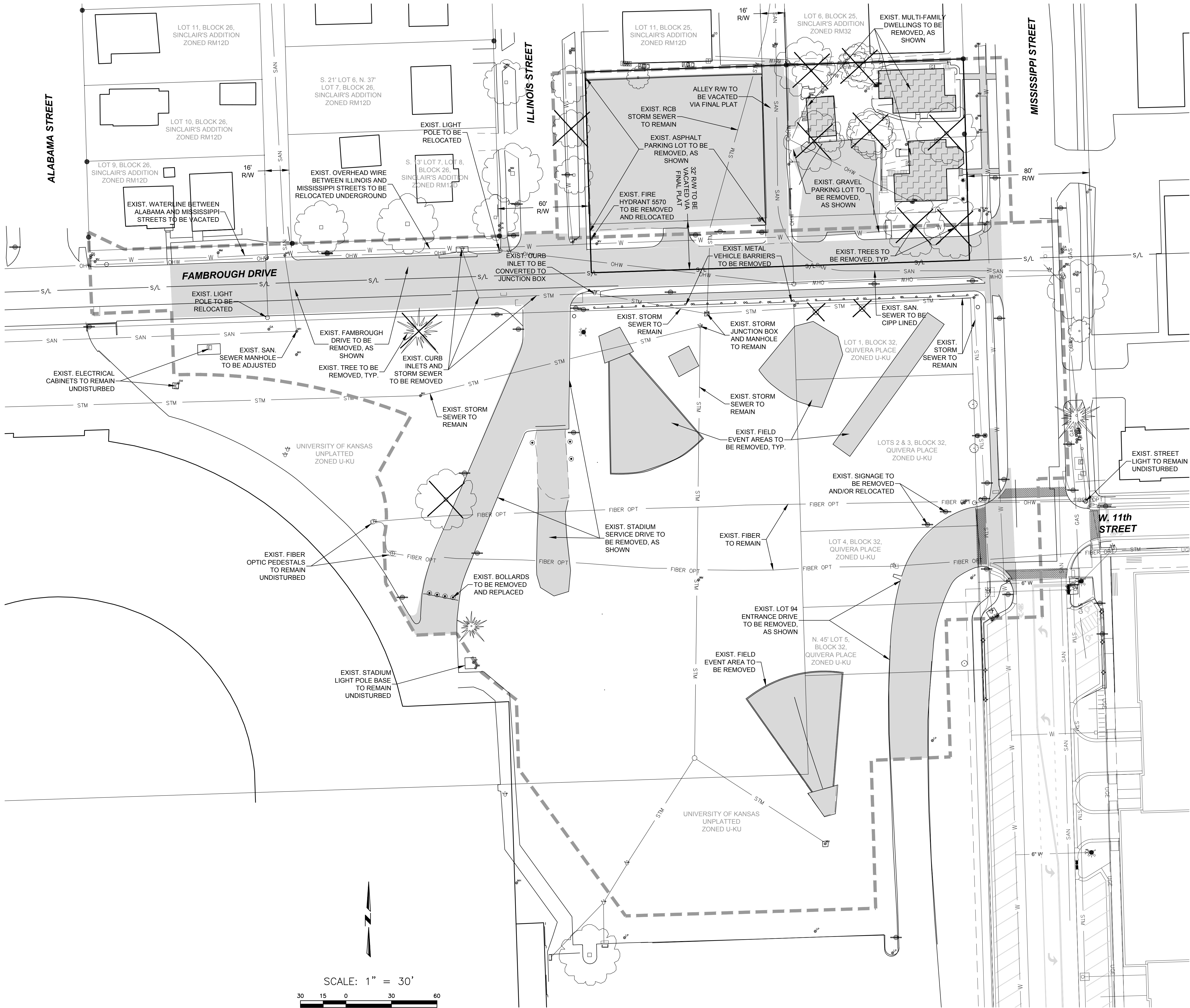
GENERAL NOTES:

- OWNERS: 1029 MISSISSIPPI, LLC
130 EAST RANDOLPH STREET, SUITE 2100
CHICAGO, ILLINOIS 60601
- LAND PLANNER/
CIVIL ENGINEER/
SURVEYOR: LANDPLAN ENGINEERING, P.A.
1310 WAKARUSA DRIVE
LAWRENCE, KANSAS 66049
- TOPOGRAPHIC INFORMATION SHOWN WAS OBTAINED FROM A FIELD SURVEY PERFORMED BY LANDPLAN ENGINEERING, P.A., AUGUST, 2016.
- EXISTING ZONING: RM12D, RM32
- PROPOSED ZONING: RM12D-FP, RM32-PD
- EXISTING LAND USE: VACANT
- PROPOSED LAND USE: ACCESSORY PARKING
- LAND USE OF THE PROPERTY WITHIN THE PLANNED DEVELOPMENT IS TO BE RESTRICTED TO "ACCESSORY PARKING LOT" (AND MORE SPECIFICALLY A SURFACE PARKING LOT) ONLY.
- NO PORTIONS OF THE SUBJECT PROPERTY LIE WITHIN A DESIGNATED "SPECIAL FLOOD HAZARD AREA" AS DEFINED BY FLOOD INSURANCE RATE MAP (FIRM); PANEL NO. 152, MAP NUMBER 20045C0152E, DOUGLAS COUNTY, KANSAS, BEARING AN EFFECTIVE DATE OF SEPTEMBER 2, 2015.
- THIS SITE HAS BEEN DESIGNED TO COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR BUILDINGS AND FACILITIES, APPENDIX A TO 28 CFR PART 36.
- ALL CONCRETE CURB AND GUTTER SHALL BE INSTALLED AS "TYPE CG-1" PER CITY OF LAWRENCE DETAILS AND SPECIFICATIONS.
- ALL CURB INLETS SHALL BE INSTALLED PER CITY OF LAWRENCE DETAILS AND SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- ALL CONCRETE COMMERCIAL DRIVEWAY APRONS SHALL BE INSTALLED PER CITY OF LAWRENCE DETAILS AND SPECIFICATIONS.
- ALL INTERNAL SIDEWALKS AND ACCESS RAMPS SHALL BE INSTALLED PER CITY OF LAWRENCE DETAILS AND SPECIFICATIONS.
- ALL OFF-STREET PARKING AREAS AND DRIVEWAYS SHALL BE SURFACED WITH A MINIMUM OF 5 INCHES OF FULL DEPTH ASPHALT IN ACCORDANCE WITH SECTION 20-913(b)(1)(iv) OF THE CITY CODE UNLESS OTHERWISE NOTED.
- THE CITY OF LAWRENCE SHALL NOT BE HELD RESPONSIBLE FOR PAVEMENT DAMAGE ON PRIVATE STREETS CAUSED DUE TO THE WEIGHT OF SOLID WASTE MANAGEMENT VEHICLES.
- ALL FIRE ACCESS ROADS INCLUDING PARKING LOTS MUST ACCOMMODATE A MINIMUM OF 88,000 LBS. APPARATUS WEIGHT, IN ACCORDANCE WITH LOCAL AMENDMENT 2015 IFC.
- TREES SHALL BE PLANTED NO CLOSER THAN 8 FEET FROM EXISTING UTILITY LINES, WHERE PRACTICAL AND APPROVED BY THE PLANNING DIRECTOR, IN ACCORDANCE WITH SECTION 20-811(g)(2)(ii)(d) OF THE CITY CODE.
- UNLESS OTHERWISE NOTED, ALL AREAS NOT DESIGNATED AS PAVEMENT OR BUILDING WILL BE SEEDED, SODDED OR LANDSCAPED WITH PLANT MATERIALS. ALL AREAS DEPICTED AS PLANTED WITH TREES OR SHRUBS SHALL BE TREATED WITH A 3" LAYER OF SHREDDED HARDWOOD MULCH. REFER TO SHEET 5 FOR THE LANDSCAPE PLAN.
- THE LANDOWNER WILL PROVIDE FOR THE MAINTENANCE OF COMMON OPEN SPACE, RECREATION FACILITIES, NON-ENCROACHABLE AREAS, PRIVATE STREETS AND ANY OTHER AREA WITHIN THE PROPOSED DEVELOPMENT THAT IS TO BE RETAINED PRIMARILY FOR THE EXCLUSIVE USE AND BENEFIT OF THE RESIDENTS, LESSEES, AND OWNER OF THE PLANNED DEVELOPMENT.
- NO VARIANCES, MODIFICATIONS, REDUCTIONS AND WAIVERS ARE BEING REQUESTED AS PART OF THE PLAN APPROVAL.
- THE APPLICANT INTENDS TO CONSTRUCT THIS DEVELOPMENT IN TWO PHASES. WORK SHOWN AS PART OF PHASE 1 IS TO BE COMPLETED BETWEEN DECEMBER, 2016 AND FEBRUARY, 2017. WORK SHOWN AS PART OF PHASE 2 IS TO BE COMPLETED BETWEEN MAY AND AUGUST, 2017. PHASE 2 WORK CANNOT BEGIN PRIOR TO MONDAY, MAY 15, 2017 AND MUST CONCLUDE PRIOR TO KU RESIDENCE HALL MOVE-IN IN MID-AUGUST.
- CONTINUOUS ACCESS TO KU LOT 94 MUST BE PROVIDED DURING ALL PHASES OF CONSTRUCTION. DURING THE REALIGNMENT OF FAMBROUGH DRIVE, CONTRACTORS WILL FIRST INSTALL THE WESTERN LEG OF FAMBROUGH FROM ALABAMA THROUGH ILLINOIS STREETS AND THEN INSTALL THE NEW LOT 94 ACCESS DRIVE. ONCE THIS NEW CONNECTION IS COMPLETE, CONTRACTORS WILL REMOVE THE EXISTING MISSISSIPPI STREET ENTRANCE TO LOT 94 AND INSTALL THE EAST LEG OF FAMBROUGH DRIVE BETWEEN ILLINOIS AND MISSISSIPPI STREETS.
- AS DEPICTED ON SHEET 4 OF THIS FINAL DEVELOPMENT PLAN, THIS SITE HAS ACCESS TO PUBLIC AND PRIVATE UTILITIES INCLUDING, BUT NOT LIMITED TO, WASTE WATER, DOMESTIC WATER, STORM SEWER, GAS AND ELECTRICITY.
- ALL UTILITIES SERVING THE PROPERTIES AT 1029 AND 1031 MISSISSIPPI STREET INCLUDING, BUT NOT LIMITED TO, DOMESTIC WATER, SANITARY SEWER, NATURAL GAS, ELECTRICITY, TELEPHONE AND CABLE, MUST BE DISCONNECTED AND/OR ABANDONED IN ACCORDANCE WITH ALL APPROPRIATE REGULATIONS PRIOR TO SITE DEMOLITION.
- THE LANDOWNER HEREBY DEDICATES TO THE CITY OF LAWRENCE THE RIGHT TO REGULATE ANY CONSTRUCTION WITHIN THE AREAS DESIGNATED AS "COMMON OPEN SPACE" AND "RECREATIONAL OPEN SPACE" AND TO PROHIBIT ANY CONSTRUCTION WITHIN SAID AREAS AND SPACES INCONSISTENT WITH THE APPROVED USE OR ENJOYMENT OF RESIDENTS, LESSEES, AND OWNERS OF THE PLANNED DEVELOPMENT.

| REV | DATE | DESCRIPTION |
|-----|----------|--------------------|
| 1 | 12/23/16 | PER DEPT. COMMENTS |

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|--------------|----------|
| DATE: | 11/29/16 |
| PROJECT NO.: | 20163016 |
| DESIGNED BY: | LPE |
| DRAWN BY: | MSW/BS |
| CHECKED BY: | BS |

| ISSUE | SHEET NO. |
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| | 1 |
| | OF 9 SHEETS |

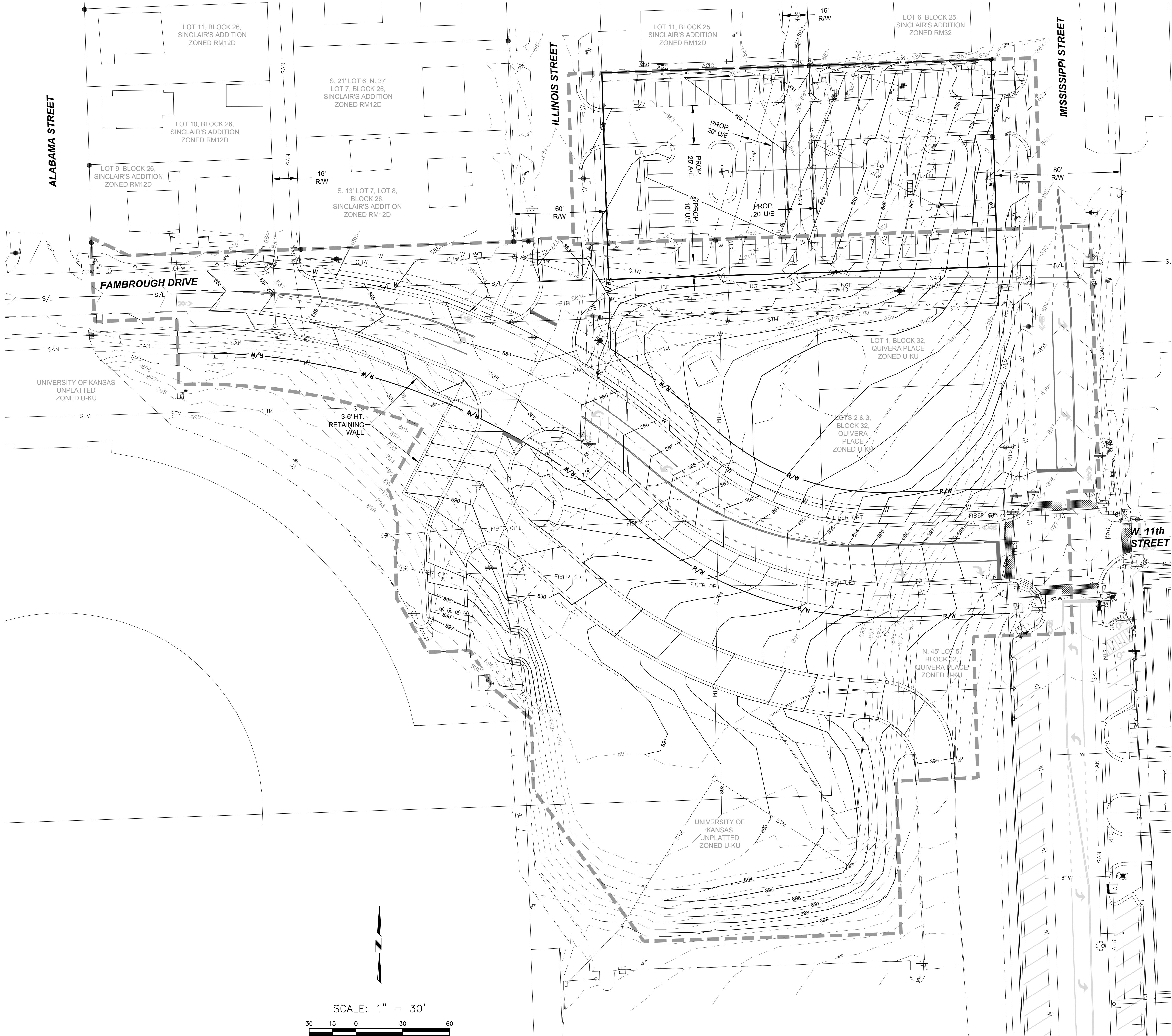


**1029 MISSISSIPPI STREET
LAWRENCE, KANSAS 66044
HERE @ KANSAS OFF-STREET PARKING
FINAL DEVELOPMENT PLAN
DEMOLITION PLAN**

| REV | DATE | DESCRIPTION |
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| 1 | 12/23/16 | PER DEPT. COMMENTS |

DATE: 11/29/16
PROJECT NO.: 20163016
DESIGNED BY: LPE
DRAWN BY: MSW/BS
CHECKED BY: BS

ISSUE: SHEET NO. 2
OF 9 SHEETS



SITE SURFACE SUMMARY:

| EXIST. CONDITIONS | AREA (SF) | PROP. CONDITIONS | AREA (SF) |
|-------------------|---------------|------------------|---------------|
| TOTAL BUILDING | 3,018 (9%) | TOTAL BUILDING | 0 (0%) |
| TOTAL PAVEMENT | 21,426 (85%) | TOTAL PAVEMENT | 23,408 (71%) |
| TOTAL IMPERVIOUS | 24,444 (74%) | TOTAL IMPERVIOUS | 23,408 (71%) |
| TOTAL PERVIOUS | 8,615 (26%) | TOTAL PERVIOUS | 9,651 (29%) |
| TOTAL PROPERTY | 33,059 (100%) | TOTAL PROPERTY | 33,059 (100%) |

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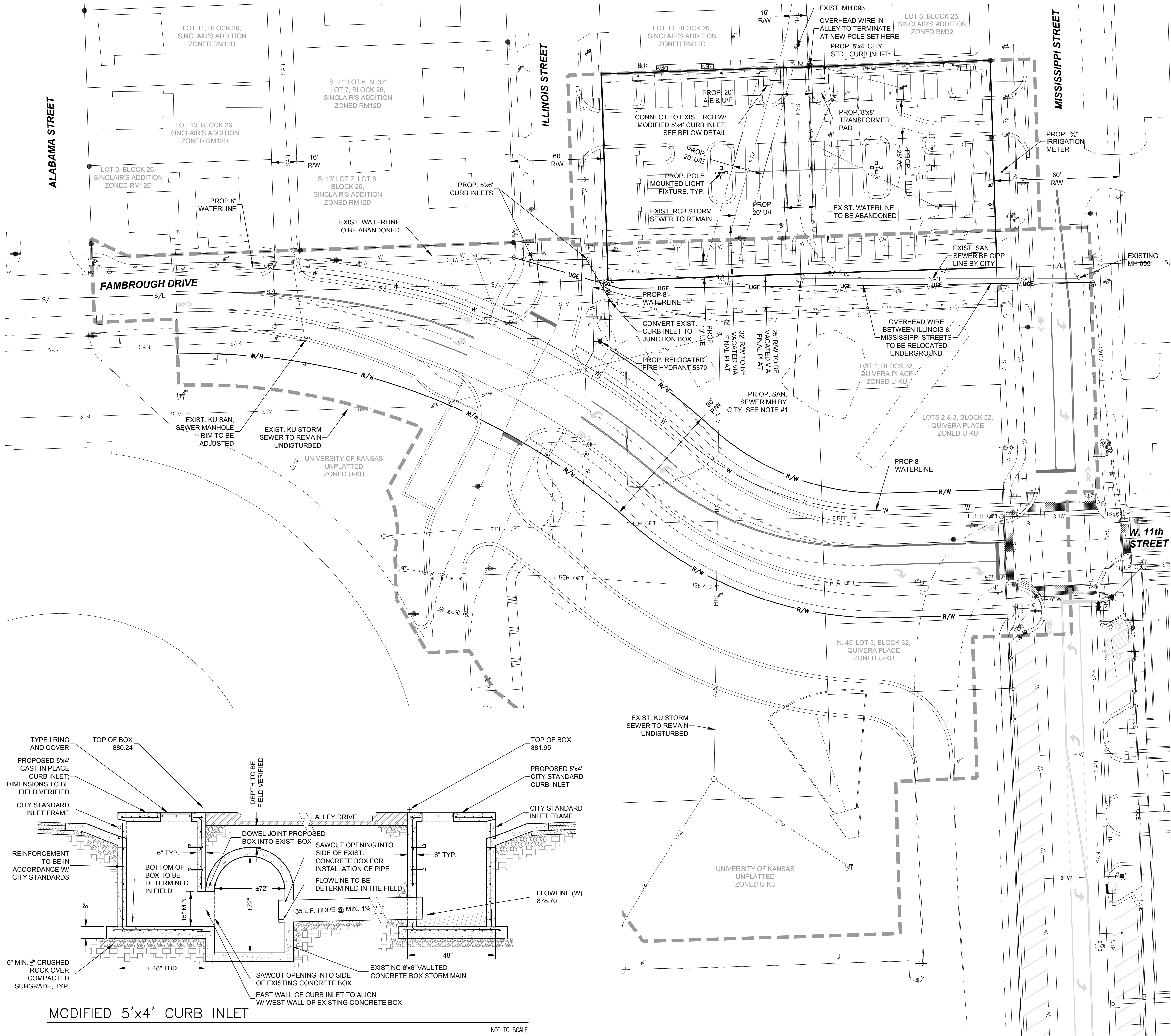
Lawrence, KS • Kansas City, MO • The Woodlands, TX
1310 Wakarusa Drive, Suite 100
Lawrence, Kansas 66049
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info@landplan-pa.com | www.landplan-pa.com

1029 MISSISSIPPI STREET
LAWRENCE, KANSAS 66044
HERE @ KANSAS OFF-STREET PARKING
FINAL DEVELOPMENT PLAN
GRADING PLAN

| REV | DATE | DESCRIPTION |
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| 1 | 12/23/16 | PER DEPT. COMMENTS |
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DATE: 11/29/16
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DRAWN BY: MSW/BS
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FILE NAME: V:\2016\3016\CAD\Planning\FDP\163016C-FDP-UTIL.dwg LAST SAVED BY: Brian Sturm SAVED DATE: 12/23/2016 12:01 PM PLOTTED: 12/23/2016 1:42 PM



UTILITY NOTES:

1. IN CONJUNCTION WITH THIS PROJECT, THE CITY OF LAWRENCE DEPARTMENT OF UTILITIES WILL INSTALL A NEW MANHOLE ON THE EXISTING SANITARY SEWER MAIN UNDER EXISTING FAMBROUGH DRIVE TO REPLACE THE BEND IN THE SEWER. THIS REPAIR WORK MUST BE COORDINATED WITH THE DEMOLITION OF THE PARKING LOT. AFTER REPAIRS HAVE BEEN COMPLETED, THE SANITARY SEWER BETWEEN MH 095 AND MH 093 WILL BE CIPP LINED.
2. ALL WATER METERS, WATER SERVICE LINES, AND SANITARY SEWER SERVICE LINES SERVING THE EXISTING STRUCTURES LOCATED AT 1029 AND 1031 MISSISSIPPI STREET SHALL BE DISCONNECTED PRIOR TO DEMOLITION AND ABANDONED IN ACCORDANCE WITH CITY OF LAWRENCE UTILITY DEPARTMENT POLICIES.

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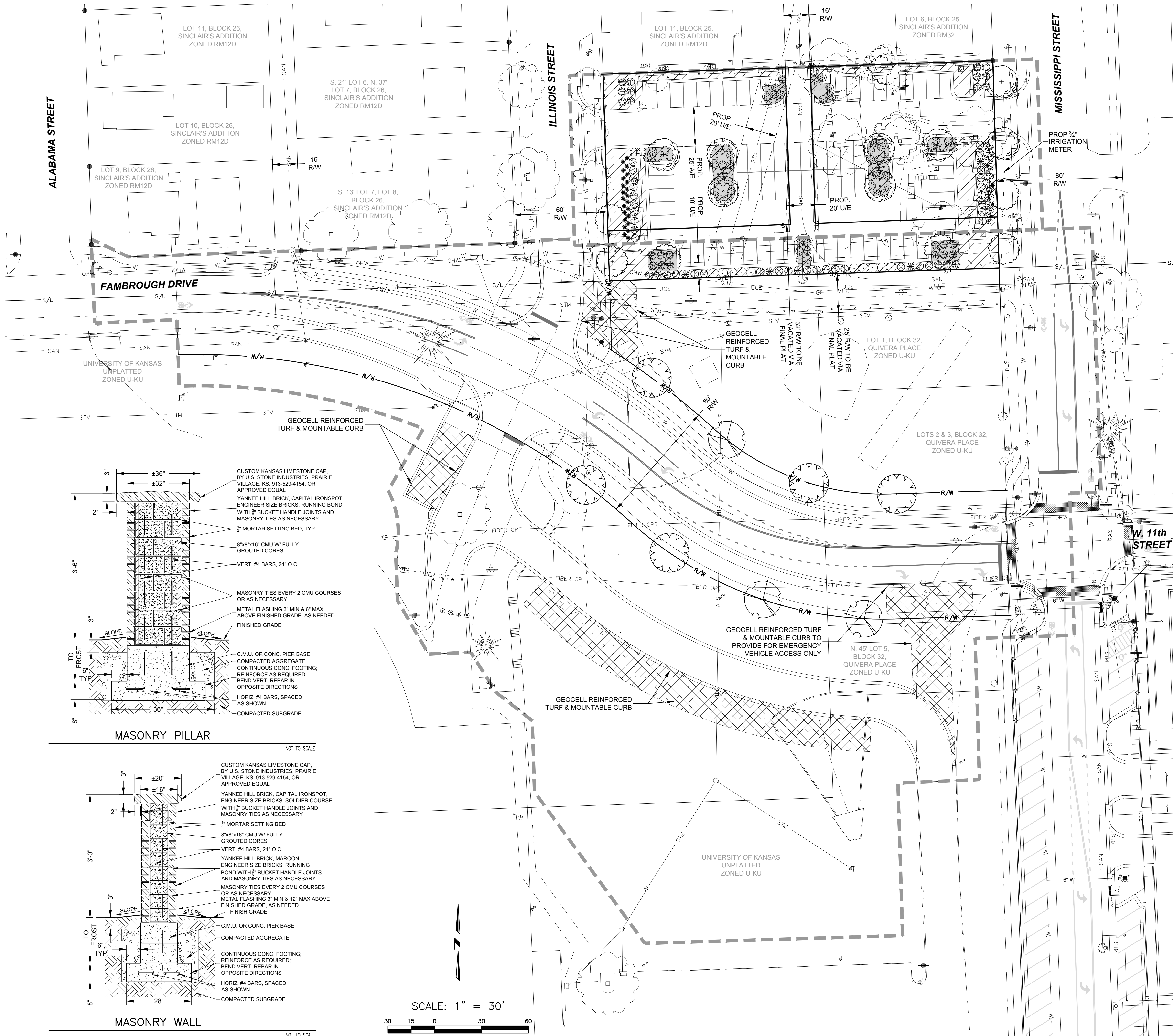
1310 Wakarusa Drive, Suite 100
Lawrence, Kansas 66049
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info@landplan-pa.com | www.landplan-pa.com

1029 MISSISSIPPI STREET
LAWRENCE, KANSAS 66044
HERE @ KANSAS OFF-STREET PARKING
FINAL DEVELOPMENT PLAN
UTILITY PLAN

| REV | DATE | DESCRIPTION |
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| 1 | 12/23/16 | PER DEPT. COMMENTS |
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DATE: 11/29/16
PROJECT NO.: 20163016
DESIGNED BY: LPE
DRAWN BY: MSW/BS
CHECKED BY: BS



PLANT SCHEDULE:

| SYMBOL | QTY. | NAME | SIZE | COND. |
|-----------------|------|---|-----------|-------|
| PROPOSED TREES | | | | |
| | 3 | ACER SACCHARUM 'CADD0' 'CADD0' SUGAR MAPLE | 2.5' CAL. | B&B |
| | 4 | CERCIS CANDENSIS var. TEXENSIS 'OKLAHOMA' REDBIRD | 2.5' CAL. | B&B |
| | 5 | CLADASTRIS KENTUCKEA YELLOWWOOD | 2.5' CAL. | B&B |
| | 4 | PLATANUS x ACERIFOLIA 'EXCLAMATION' 'EXCLAMATION' LONDON PLANE TREE | 2.5' CAL. | B&B |
| | 6 | QUERCUS SHUMARDII SHUMARD OAK | 2.5' CAL. | B&B |
| PROPOSED SHRUBS | | | | |
| | 23 | HEMEROCALLIS x 'STELLA D'ORO' 'STELLA D'ORO' DAYLILY | 1 GAL. | CONT. |
| | 38 | JUNIPERUS 'PFITZERIANA COMPACTA' COMPACT PFITZER JUNIPER | 24" HT. | CONT. |
| | 14 | PHYSOCARPUS OPULOFOLIUS 'DIABLO' 'DIABLO' NINEBARK | 24" HT. | CONT. |
| | 62 | RHUS AROMATICA 'GRO LOW' 'GRO LOW' FRAGRANT SUMAC | 3 GAL. | CONT. |
| | 23 | SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED | 1 GAL. | CONT. |
| | 30 | TAXUS x MEDIA 'DENSIFORMIS' DENSIFORMIS YEW | 24" HT. | CONT. |

OPEN SPACE SUMMARY:

COMMON OPEN SPACE
REQUIRED: 20% OF THE TOTAL AREA OF THE PD
0.20 x 31,250 SF
6,250 SF
PROVIDED: 9,651 SF

RECREATIONAL OPEN SPACE
REQUIRED: 50% OF THE COMMON OPEN SPACE
0.50 x 6,250 SF
3,125 SF
PROVIDED: 9,651 SF

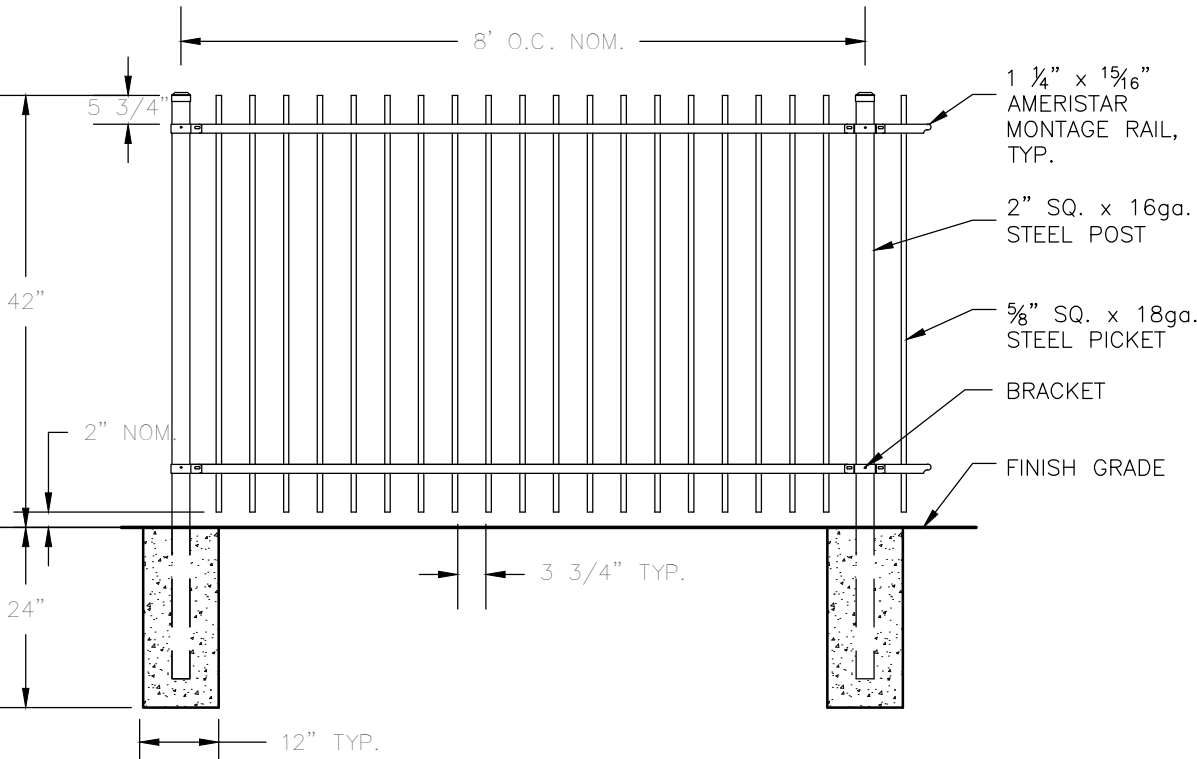
LANDSCAPE SUMMARY:

STREET TREES
REQUIRED: 1 TREE / 40 FEET OF R.O.W. FRONTAGE
125 FEET OF MISSISSIPPI STREET R.O.W. / 40 = 4
125 FEET OF ILLINOIS STREET R.O.W. / 40 = 4
8 TREES
PROVIDED: 8 TREES

INTERIOR PARKING LOT LANDSCAPING
REQUIRED: 40 SF LANDSCAPING AREA / PARKING SPACE
40 SF x 68 PARKING SPACES = 2,720 SF LANDSCAPING AREA
1 SHADE TREE & 3 SHRUBS / 10 PARKING SPACES
1 SHADE TREE & 3 SHRUBS x (68 PARKING SPACES / 10) = 7 & 21
7 TREES & 21 SHRUBS
PROVIDED: 2,183 SF LANDSCAPING AREA
8 TREES & 73 SHRUBS

REDUCED INTERIOR PARKING LOT LANDSCAPING PER PDP-16-00311 APPROVED BY THE CC ON 10/18/2016

PARKING LOT PERIMETER LANDSCAPING
REQUIRED: CONTINUOUS ROW OF EVERGREEN SHRUBS
PROVIDED: 44 EVERGREEN SHRUBS



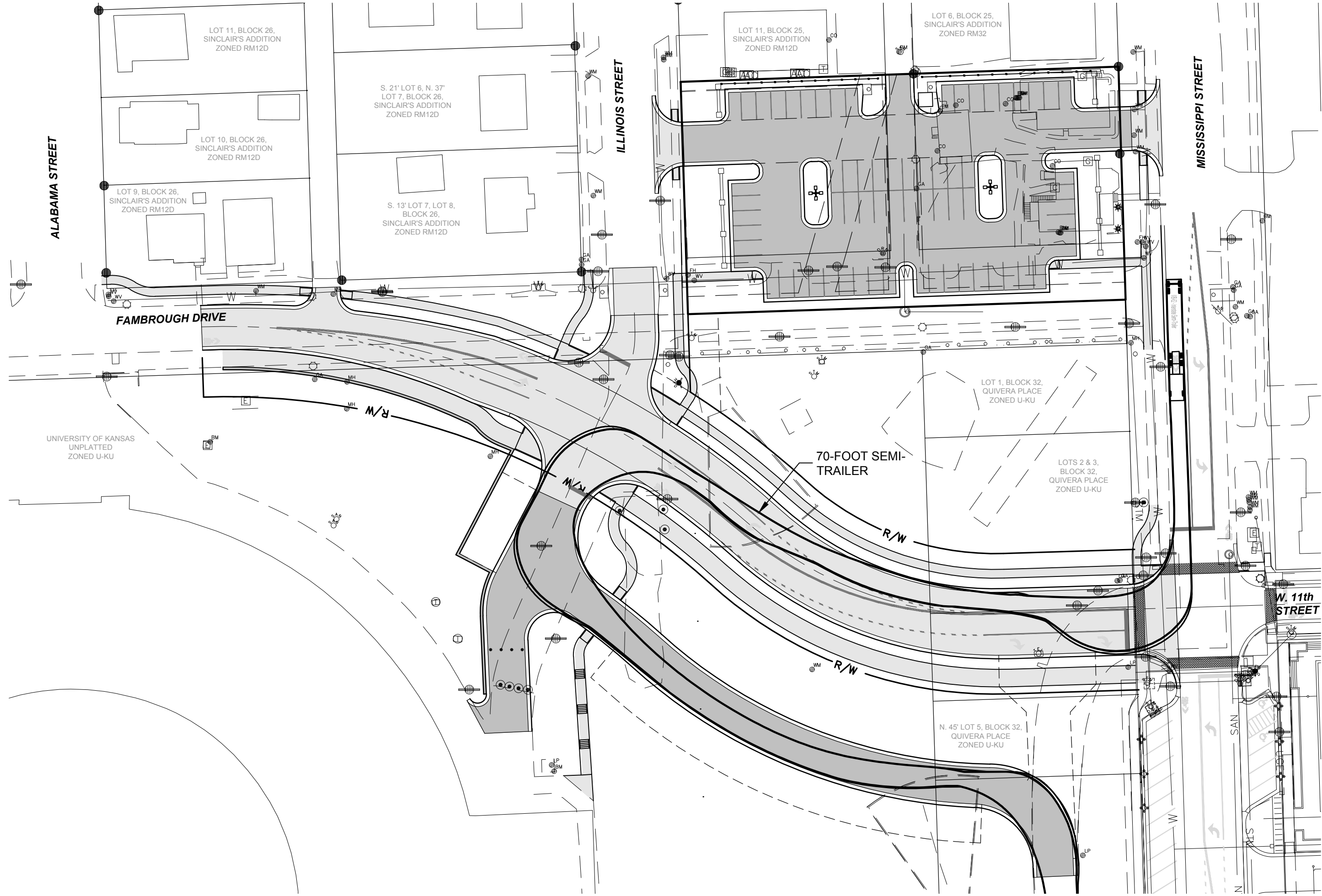
- NOTES:
- ALL METAL FENCE TO BE AMERISTAR MONTAGE CLASSIC 2-RAIL, OR OWNER-APPROVED EQUAL.
 - FINISH TO BE E-COATED, BLACK, PER MANUFACTURER.

ORNAMENTAL METAL FENCE

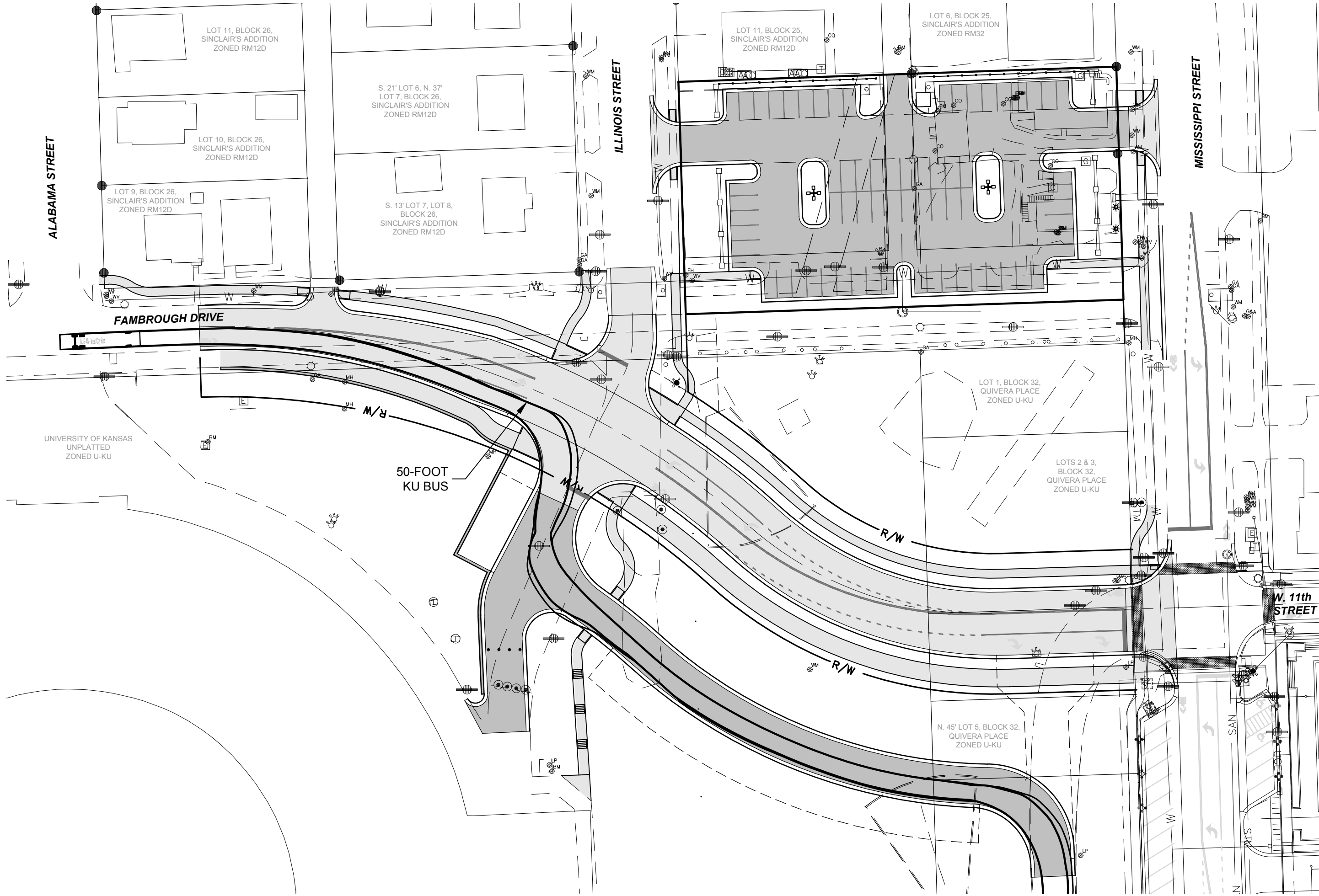
NOT TO SCALE

| REV | DATE | DESCRIPTION |
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| 1 | 12/23/16 | PER DEP. COMMENTS |

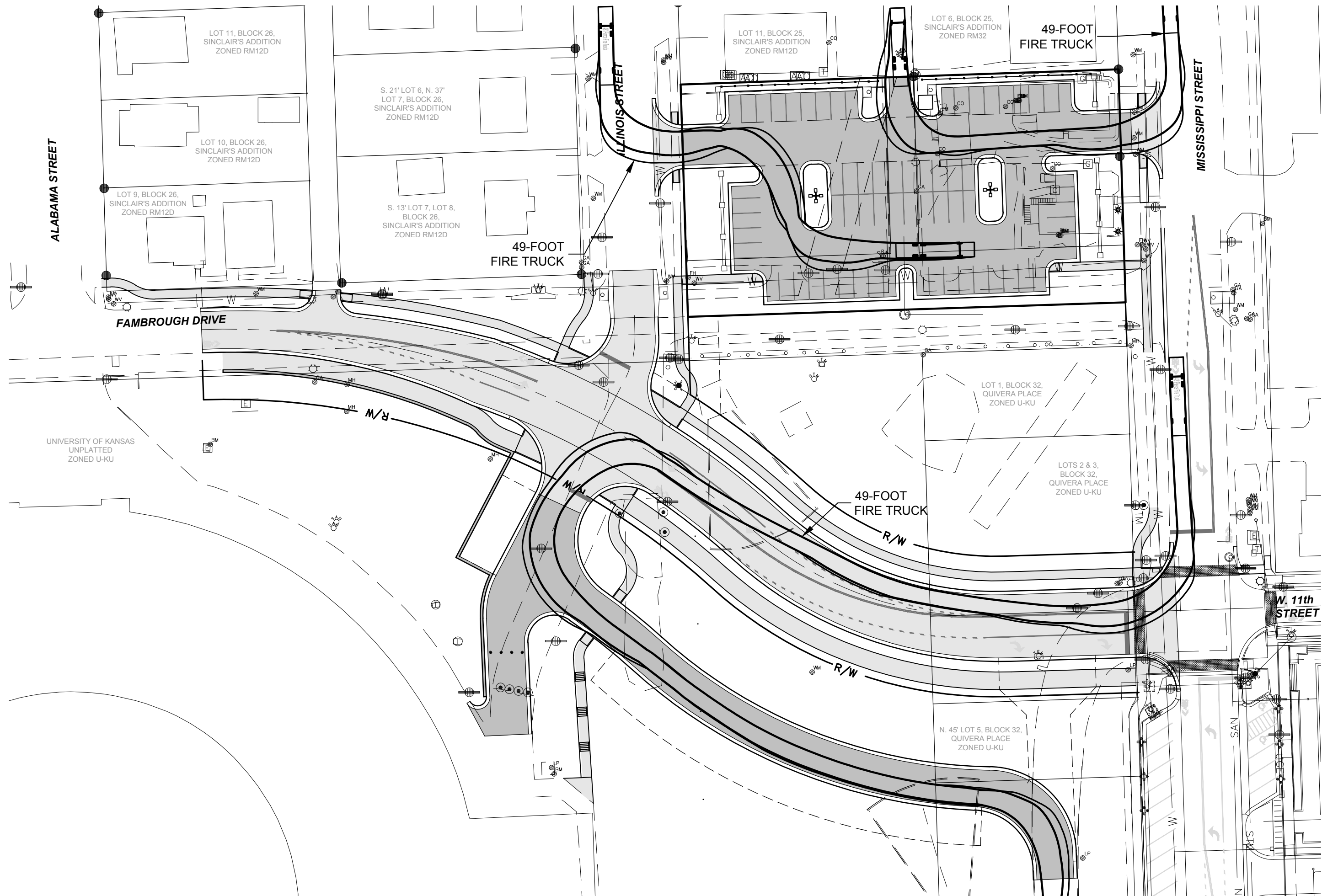
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| DATE: | 11/29/16 |
| PROJECT NO.: | 20163016 |
| DESIGNED BY: | LPE |
| DRAWN BY: | MSW/BS |
| CHECKED BY: | BS |



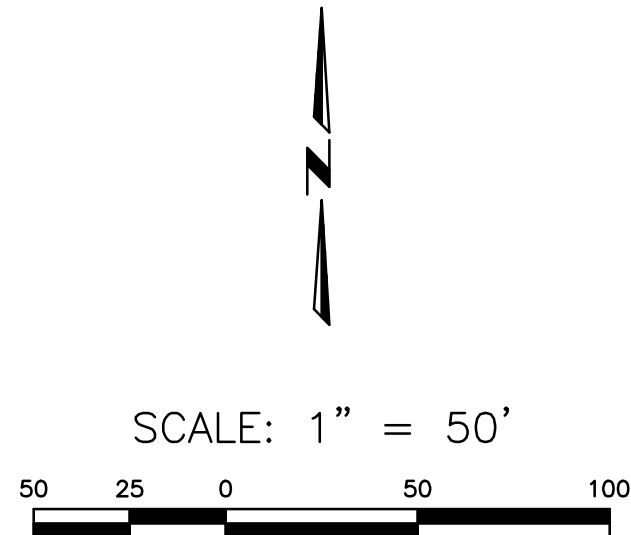
70-FOOT SEMI-TRAILER



50-FOOT KU-ON-WHEELS BUS



49-FOOT CITY OF LAWRENCE AERIAL FIRE TRUCK



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DATE: 11/29/16
PROJECT NO.: 20163016
DESIGNED BY: LPE
DRAWN BY: MSW/BS
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| ISSUE | SHEET NO. |
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| | 6 |
| | 9 |
| | SHEETS |




1029 MISSISSIPPI STREET
LAWRENCE, KANSAS 66044
HERE @ KANSAS OFF-STREET PARKING
FINAL DEVELOPMENT PLAN
VEHICLE TURNING MOVEMENT EXHIBITS



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| Heres Kansas Remote Parking Luminaire Schedule | | | | | | | | | | |
|---|-------|---|-----|----------------------------|--|-----------|--------------|-----------------|-----|---|
| Symbol | Label | Image | QTY | Catalog Number | Description | Lamp | Number Lamps | Lumens per Lamp | LLF | Wantage |
|  | S4 |  | 2 | ATRO 300LEDE70 XXXXX R3 3K | ATRO SERIES 70W LED 700MA TYPE 3 3000K CCT | LED Array | 1 | 7666.243 | 1 | 280 |
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CONCRETE POLE BASE CONSTRUCTION

| | | | | | | | ANCHOR BOLT CIRCLE | | |
|------------------|-----------------------|-------------------------|------------------------|------------------------|----------------------------------|--------------------------|---------------------|-------|-------------------------------|
| POLE SIZE | BASE DIA. (INCHES) | BASE DEPTH (FEET) | VERT. REBAR QTY. | VERT. REBAR SIZE | CONCRETE VOLUME (CU YARDS) | STEEL WEIGHT (LBS) | Dia. X Length X Hk. | | BOLT CIRCLE RANGE (INCHES) |
| 10" SQUARE STEEL | 24 | 5' | 8 | #5 | 0.58 | 59 | 0.75 x 17 x 3 | 8.00 | to 11.00 |
| 12" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 17 x 3 | 8.00 | to 11.00 |
| 14" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 17 x 3 | 8.00 | to 11.00 |
| 16" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 25 x 3 | 8.00 | to 11.00 |
| 18" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 25 x 3 | 8.00 | to 11.00 |
| 20" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 25 x 3 | 8.00 | to 11.00 |
| 22" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 25 x 3 | 8.00 | to 11.00 |
| 24" SQUARE STEEL | 24 | 5 | 8 | #5 | 0.58 | 59 | 0.75 x 25 x 3 | 8.00 | to 11.00 |
| 26" SQUARE STEEL | 30 | 6' | 8 | #6 | 0.91 | 80 | 1.25 x 30 x 6 | 12.50 | to 16.50 |
| 30" SQUARE STEEL | 30 | 7 | 10 | #6 | 1.09 | 114 | 1.25 x 42 x 6 | 12.50 | to 16.50 |
| 40" SQUARE STEEL | 30 | 7 | 12 | #7 | 1.27 | 196 | 1.25 x 42 x 6 | 12.50 | to 16.50 |

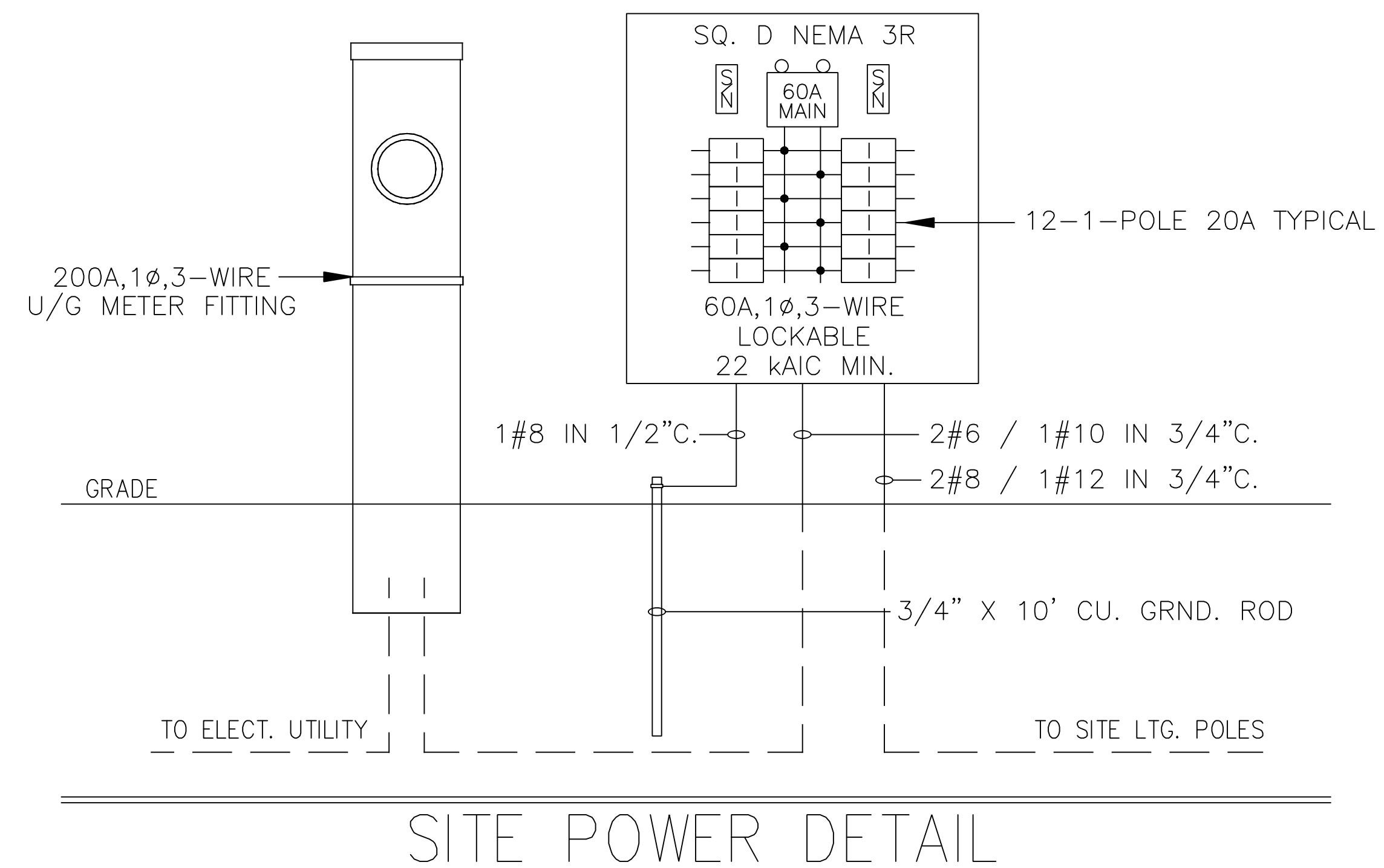
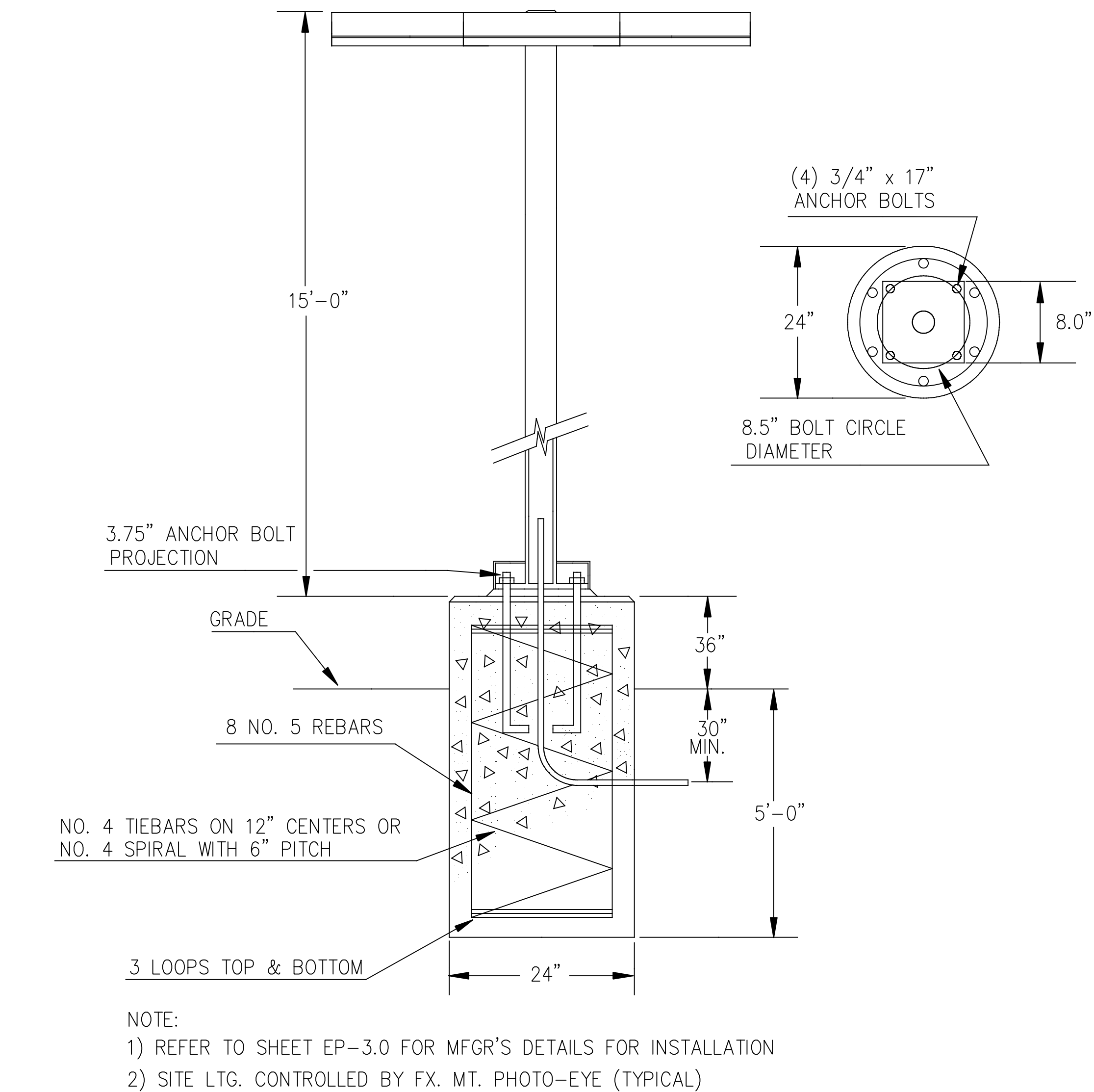
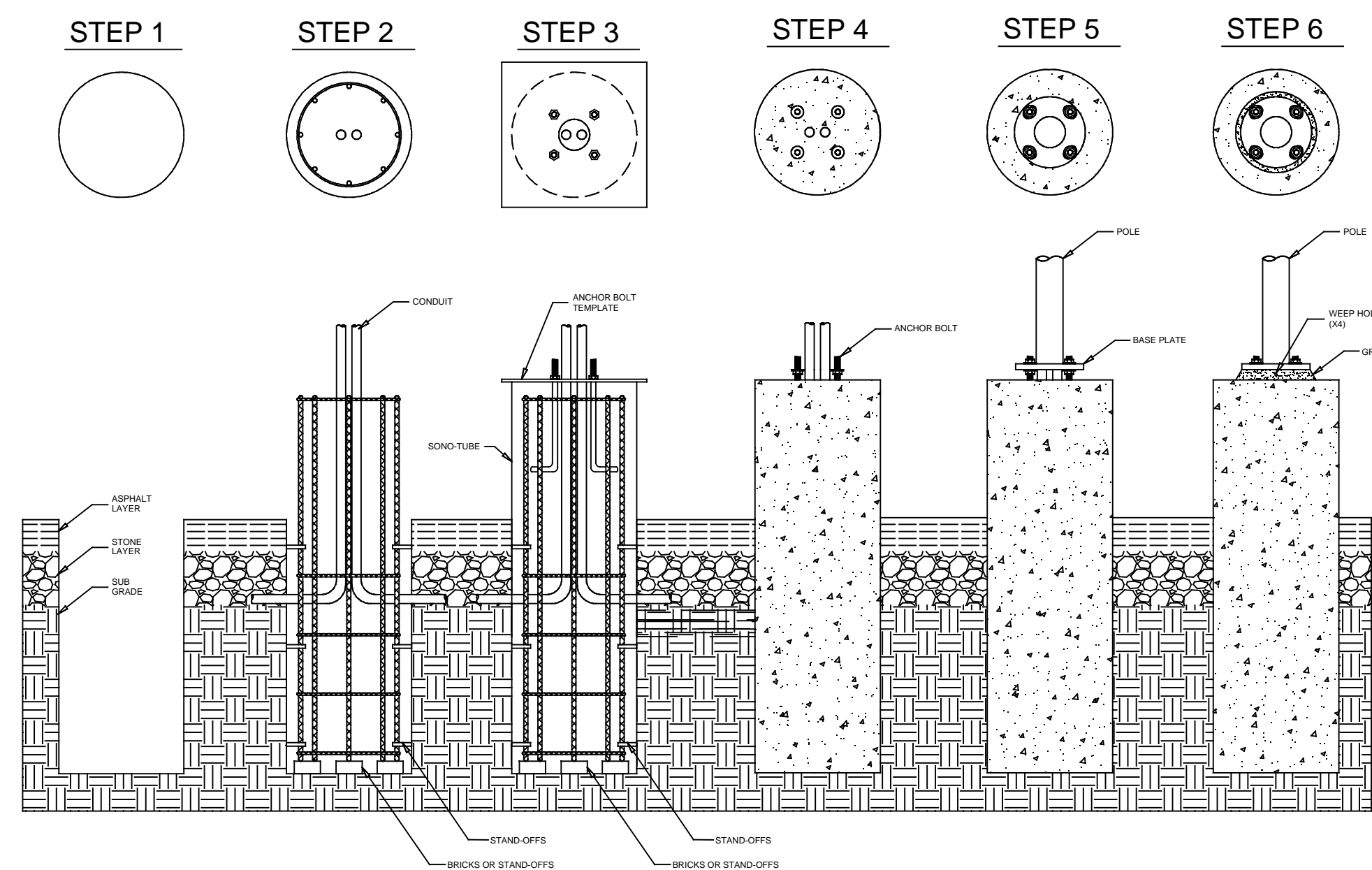
Notes:

- The above information is for reference only. Do not use for construction.
- Analysis is based upon Brom's method of foundation design.
- All of the designs are based upon the following soil parameters:
 - Soil is homogeneous, non-cohesive
 - ϕ degrees
 - 110 pcf.
 - Water table is below bottom of foundation.
 - Site grade is 7H:1V or flatter.
 - Concrete 28 day compressive strength = 3000 psi.
 - Reinforcing meets the requirements of ASTM A615 grade 60.
 - Concrete design is in accordance with ACI 318-95.
 - Concrete is cast against undisturbed soil.
 - All reinforcing must be covered by a minimum of 3" of concrete on all sides.
 - All vertical reinforcing bars are equally spaced.
 - 40" reinforcing bars are used as hoops and are spaced on 12" centers.

THE INFO. ABOVE IS PROVIDED FOR REFERENCE ONLY AND CAN NOT BE USED AS A FINAL, OR CONSTRUCTION DESIGN. WE MAKE NO WARRANTY OF ANY TYPE WITH RESPECT TO SUCH INFORMATION. FINAL DESIGNS WILL VARY WITH SOIL, ENVIRONMENTAL AND/OR OTHER CONDITIONS. FINAL DESIGN MUST BE CREATED, REVIEWED & APPROVED PRIOR TO CONST.

THE ABOVE REPRESENTS THE MINIMUM INSTALLATION REQUIREMENTS ACCEPTABLE TO THE OWNER.

THE ELECTRICAL CONTRACTOR SHALL USE THE ABOVE INFORMATION FOR ESTIMATING PURPOSES ONLY.



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TENANT:

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KANSAS

REMOTE PARKING
MISSISSIPPI ST.
LAWRENCE, KANSAS

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| PROJECT NO.: | 15-089-F |
| DATE: | 10/24/16 |
| DRAWN BY: | VMB |
| SCALE: | N.T.S. |
| FLOOR/LEVEL: | GROUND |
| SQUARE FEET: | 000,000' |

SHEET NO.:

EP-2.0



Compliant with LEED® goals
4-point GreenPower rating
for light pollution reduction

PRODUCT OVERVIEW



Applications:

Roadways
Parking lots
Site Lighting

Autobahn Series ATB0

Features:

OPTICAL

Same Light Performance is comparable to 70-200W HPS luminaires.
White Light Correlated color temperature - standard 4000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.
Unique IP68 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70.
Electronic driver has an expected life of 100,000 hours at a 25°C ambient.
Lower Energy: Saves an expected of 40-60% over comparable HID luminaires.
Robust Surge Protection: Three different surge protection options provide a minimum of IEEE/ANSI C82.41 Category C (10kV/5kA) protection. 28kV/10kA protection is also available.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling at installation.
Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe-creepage rating of 8 (per ASTM D1654) after over 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (CR) increases the salt spray exposure over 5000 hours.
Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provides a 3G vibration rating per ANSI C136.31.
Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling at installation.
Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe-creepage rating of 8 (per ASTM D1654) after over 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (CR) increases the salt spray exposure over 5000 hours.
Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provides a 3G vibration rating per ANSI C136.31.
Wildlife shield is cast into the housing (not a separate piece).

STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLC to confirm which versions are qualified.
Rated for -40°C to 40°C ambient.
CSA Certified to U.S. and Canadian standards.
Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

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Autobahn Series ATB0

ORDERING INFORMATION

Example: ATB0 30LEDE10 MVOLT R2

| Series | Performance Packages | Voltage | Optics |
|---|--|---|--|
| ATB0 Autobahn LED Roadway | 20BLEDE53 208 Chips, 525mA Driver 20BLEDE70 208 Chips, 700mA Driver 20BLEDE10 208 Chips, 1050mA Driver 20BLEDE12 208 Chips, 1300mA Driver 30BLEDE70 308 Chips, 700mA Driver 30BLEDE85 308 Chips, 850mA Driver 30BLEDE10 308 Chips, 1050mA Driver 30BLEDE12 308 Chips, 1300mA Driver 30BLEDE15 308 Chips, 1500mA Driver | MVOLT Multi-volt, 120-277V 347 347V 480 480V | R2 Roadway Type II R3 Roadway Type III R4 Roadway Type IV R5 Roadway Type V |
| Options | | | |
| Color Temperature (CCT) (Blank) 4000K CCT, 70 CRI Min. (Standard) 5K 5000K CCT, 70 CRI Min. | Controls (Blank) 3 Pin NEMA Photocontrol Receptacle (Standard) P5 5 Pin Photocontrol Receptacle (Dimmable Driver Included) P7 7 Pin Photocontrol Receptacle (Dimmable Driver Included) NR No Photocontrol Receptacle AD Field Adjustable Output DM 0V-10V Dimmable Driver (Controls by others) ML Multi-Level Dimming PCSS Solid State Lighting Photocontrol (120-277V) NO MOV Pack IL SPD with Indicator Light | Notes 1 20BLEDE53 not compatible with the following options: P5, P7, AD, DM, ML. 2 Not available in 347 or 480V. 3 Not available with DM, ML or NR. 4 Not available with DM or ML options. 5 Not available with AD, DM, P5 or P7 options. 6 Dimming Schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed. | |
| Paint (Blank) Gray (Standard) BK Black BZ Bronze DOB Dark Bronze GI Graphite WH White | Surge Protection Blank Standard 10kV/5kA SPD 20 20kV/10kA SPD NP MOV Pack IL SPD with Indicator Light | Packaging (Blank) Single Unit (Standard) JP Job Pack (42/Pallet) | |
| Terminal Block (Blank) Terminal Block (Standard) TZ Wired to L & L2 Positions | Miss. BL External Bubble Level CR Enhanced Corrosion Resistant Finish HS House-Side Shield NL Nema Label XL Not CSA Certified | | |



Warranty Five-year limited warranty. Complete warranty terms located at: www.aelbrands.com/CustomerResource/Forms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.
Please contact your sales representative for the latest product information.

Autobahn Series ATB0

PERFORMANCE PACKAGE

| Performance Package | Drive Current (mA) | Input Watts | Optic | 4000K CCT | | LLD @ 25°C | |
|---------------------|--------------------|-------------|-------|------------------|----------------|------------|------------|
| | | | | Delivered Lumens | Efficacy (LPW) | 50k Hours | 100k Hours |
| 208 | 525 | 39 | R2 | 4623 | 119 | 0.98 | 0.96 |
| | 700 | 48 | | 5571 | 116 | 0.98 | 0.96 |
| | 1000 | 72 | | 7780 | 108 | 0.96 | 0.92 |
| | 1200 | 88 | | 8890 | 102 | 0.95 | 0.89 |
| | 525 | 39 | R3 | 4635 | 119 | 0.98 | 0.96 |
| | 700 | 48 | | 5598 | 117 | 0.98 | 0.96 |
| | 1000 | 72 | | 7829 | 109 | 0.96 | 0.92 |
| | 1200 | 88 | | 9009 | 102 | 0.95 | 0.89 |
| | 525 | 39 | R4 | 4542 | 116 | 0.98 | 0.96 |
| | 700 | 48 | | 5487 | 114 | 0.98 | 0.96 |
| | 1000 | 72 | | 7653 | 106 | 0.96 | 0.92 |
| | 1200 | 88 | | 8970 | 101 | 0.95 | 0.89 |
| 308 | 525 | 39 | R5 | 4945 | 127 | 0.98 | 0.96 |
| | 700 | 48 | | 5976 | 125 | 0.98 | 0.96 |
| | 1000 | 72 | | 8381 | 117 | 0.96 | 0.92 |
| | 1200 | 88 | | 9759 | 111 | 0.95 | 0.89 |
| | 700 | 70 | R2 | 8536 | 122 | 0.98 | 0.96 |
| | 850 | 86 | | 8891 | 115 | 0.96 | 0.92 |
| | 1000 | 104 | | 11806 | 114 | 0.96 | 0.92 |
| | 1200 | 129 | | 13754 | 107 | 0.95 | 0.89 |
| | 1500 | 150 | R3 | 15957 | 100 | 0.95 | 0.89 |
| | 700 | 70 | | 8413 | 120 | 0.98 | 0.96 |
| | 850 | 86 | | 9774 | 114 | 0.96 | 0.92 |
| | 1000 | 104 | | 11639 | 112 | 0.96 | 0.92 |
| 308 | 1200 | 129 | R4 | 13602 | 105 | 0.95 | 0.89 |
| | 1500 | 150 | | 15895 | 101 | 0.95 | 0.89 |
| | 700 | 70 | | 8209 | 117 | 0.98 | 0.96 |
| | 850 | 86 | | 9635 | 112 | 0.96 | 0.92 |
| | 1000 | 104 | R5 | 11392 | 110 | 0.96 | 0.92 |
| | 1200 | 129 | | 13215 | 102 | 0.95 | 0.89 |
| | 1500 | 150 | | 14755 | 98 | 0.95 | 0.89 |
| | 700 | 70 | | 8576 | 123 | 0.98 | 0.96 |
| | 850 | 86 | | 9988 | 116 | 0.96 | 0.92 |
| | 1000 | 104 | | 11847 | 114 | 0.96 | 0.92 |
| | 1200 | 129 | | 13768 | 107 | 0.95 | 0.89 |
| | 1500 | 150 | | 15172 | 101 | 0.95 | 0.89 |

Note: Information shown above is based on nominal system data. Individual fixture performance may vary. Specifications subject to change without notice.

| ATB0 LLD Multiplier | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C |
|---------------------|------|------|------|------|------|------|
| | 1.02 | 1.01 | 1 | 0.98 | 0.97 | 0.95 |

To calculate the LLD for a temperature other than 25°C, multiply the LLD @ 25°C (shown in the performance package table) by the LLD multiplier for the selected temperature.



Warranty Five-year limited warranty. Complete warranty terms located at: www.aelbrands.com/CustomerResource/Forms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.
Please contact your sales representative for the latest product information.

FEATURES & SPECIFICATIONS

CONSTRUCTION - Welds conform to applicable AWS structural welding code. Pole shaft is one piece, low carbon alloy steel per ASTM A505, Grade A or ASTM A506, Grade C with 50,000-PSI minimum yield strength. Pole base shall be per ASTM A36 and shall telescope pole shaft and be circumferentially welded top and bottom. Hand hole is 2" x 4" minimum, cover and fasteners are included. Base covers shall be two piece, interlocking construction. Finish shall match pole. Removable pole cap shall be provided with each drill pattern type pole. Non-structural fasteners shall be stainless steel.

FINISH - Galvanized poles per ASTM A153. Painted poles shall be semi-gloss powder paint.

GROUNDING - Grounding provision shall be immediately accessible through hand hole, 1/2-13 threads.

ANCHOR BOLTS - Steel anchor bolts shall be per AASHTO M314 or ASTM F 1554 - Grade 55, hot dip galvanized. Nuts and washers shall be per AASHTO M314-90 or ASTM F 1554 - hot dip galvanized.

POLE ORDERING DATA

How to construct a catalog number for SSS poles:

EXAMPLE **SSS2555C D1 R3 BZ 1**. Fill in Catalog Number

| STEP | CATALOG NUMBER | DESCRIPTION |
|------------------------------------|----------------|-----------------------|
| 1. BASE POLE (SEE SHEET 2) | 1 | SQUARE STRAIGHT STEEL |
| 2. POLE TOP STYLE (SEE SHEET 2) | 2 | |
| 3. POLE TOP DRILL PATTERN | 3 | |
| 4. FINISH | 4 | |
| 5. OPTIONS | 5 | |
| 6. DRILLING FOR 1 UNIT | D1 | |
| 7. DRILLING FOR 2 UNITS @ 180 | D2 | |
| 8. DRILLING FOR 4 UNITS @ 90 | D4 | |
| 9. DRILLING FOR 4 UNITS @ 90 | D4 | |
| 10. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 11. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 12. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 13. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 14. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 15. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 16. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 17. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 18. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 19. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 20. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 21. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 22. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 23. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 24. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 25. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 26. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 27. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 28. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 29. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 30. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 31. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 32. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 33. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 34. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 35. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 36. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 37. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 38. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 39. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 40. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 41. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 42. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 43. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 44. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 45. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 46. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 47. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 48. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 49. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 50. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 51. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 52. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 53. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 54. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 55. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 56. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 57. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 58. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 59. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 60. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
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| 62. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 63. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 64. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 65. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 66. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 67. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 68. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 69. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 70. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 71. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 72. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 73. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 74. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 75. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 76. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 77. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 78. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 79. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 80. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 81. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 82. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 83. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 84. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 85. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 86. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 87. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 88. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 89. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 90. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 91. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 92. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 93. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 94. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 95. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 96. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 97. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 98. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 99. TENSION 28.0 O.D. X 1/4 LG. | P2 | |
| 100. TENSION 28.0 O.D. X 1/4 LG. | P2 | |

NOTES:
1. Pole top drill pattern types H1 - V5 are available on drilled pole tops only. ND is only available on teron pole tops.
2. The Freeston Box is located on the same side as the hand hole, 36" above pole base. Receptacle / Cover are not included.

HOLOPHANE®
SSS-PMD (H-2019) 5/20/13

SSS Square Straight Steel Poles

| SSS Square Straight Steel Poles | | | | | NON-AASHTO Rating | | | | | | Bolt Circle Dia. | Anchor Bolt Size |
|---------------------------------|---------------|---------------------|-------------------------------------|--------------------------------------|--------------------|---------------------|---------------------|--------------|----------|-----|------------------|------------------|
| Ref. No. | Base Pole No. | Nominal Pole Height | Nominal Shaft Size & Wall Thickness | EPA Vertical Offset from Top of Pole | Max. EPA Wt. | Max. EPA Wt. | Max. EPA Wt. | Max. EPA Wt. | Max. Wt. | | | |
| | | | | | 90 mph + 1.14 gust | 100 mph + 1.14 gust | 110 mph + 1.14 gust | | | | | |
| 1 | SSS1044C | 10 | 4.0 Square x 11 Ga. | 0" | 30.5 | 763 | 23.5 | 588 | 18.5 | 463 | 8.50 | .75 x 17 + 3 |
| 1 | SSS1244C | 12 | 4.0 Square x 11 Ga. | 0" | 23.5 | 588 | 18.0 | 450 | 13.3 | 338 | 8.50 | .75 x 17 + 3 |
| 1 | SSS1444C | 14 | 4.0 Square x 11 Ga. | 0" | 19.1 | 476 | 14.5 | 363 | 11.0 | 275 | 8.50 | .75 x 17 + 3 |
| 1 | SSS1644C | 16 | 4.0 Square x 11 Ga. | 0" | 15.0 | 375 | 11.0 | 275 | 8.5 | 213 | 8.50 | .75 x 17 + 3 |
| 1 | SSS1844C | 18 | 4.0 Square x 11 Ga. | 0" | 12.0 | 300 | 8.5 | 213 | 5.5 | 138 | 8.50 | .75 x 17 + 3 |
| 1 | SSS2044C | 20 | 4.0 Square x 11 Ga. | 0" | 9.8 | 240 | 6.7 | 167 | 4.5 | 150 | 8.50 | .75 x 17 + 3 |
| 2 | SSS2044G | 20 | 4.0 Square x 7 Ga. | 30" | 8.1 | 423 | 5.6 | 313 | 3.0 | 223 | 8.50 | .75 x 17 + 3 |
| 3 | SSS2055C | 20 | 5.0 Square x 11 Ga. | 0" | 14.7 | 443 | 10.9 | 343 | 9.4 | 235 | 11.00 | .75 x 17 + 3 |
| 3 | SSS2055G | 20 | 5.0 Square x 7 Ga. | 30" | 17.0 | 473 | 12.7 | 373 | 8.0 | 260 | 11.00 | .75 x 17 + 3 |
| 1 | SSS2544C | 25 | 4.0 Square x 11 Ga. | 0" | 28.1 | 703 | 21.4 | 538 | 16.2 | 408 | 8.50 | .75 x 17 + 3 |
| 2 | SSS2544G | 25 | 4.0 Square x 7 Ga. | 30" | 23.0 | 575 | 17.4 | 438 | 13.2 | 330 | 11.00 | .75 x 17 + 3 |
| 3 | SSS2555C | 25 | 5.0 Square x 11 Ga. | 0" | 4.8 | 150 | 2.6 | 100 | 1.0 | 50 | 8.50 | .75 x 17 + 3 |
| 3 | SSS2555G | 25 | 5.0 Square x 7 Ga. | 30" | 10.5 | 263 | 7.0 | 175 | 4.5 | 113 | 8.50 | .75 x 17 + 3 |
| 3 | SSS2555C | 25 | 5.0 Square x 11 Ga. | 0" | 9.0 | 225 | 6.0 | 150 | 4.0 | 100 | 11.00 | .75 x 17 + 3 |
| 3 | SSS2555G | 25 | 5.0 Square x 7 Ga. | 30" | 8.8 | 220 | 5.6 | 140 | 3.4 | 85 | 11.00 | .75 x 17 + 3 |
| 3 | SSS2555C | 25 | 5.0 Square x 7 Ga. | 0" | 18.5 | 463 | 13.3 | 333 | 9.5 | 238 | 11.00 | .75 x 17 + 3 |
| 3 | SSS2044G | 20 | 4.0 Square x 7 Ga. | 30" | 15.8 | 390 | 11.3 | 283 | 8.0 | 200 | 11.00 | .75 x 17 + 3 |
| 3 | SSS3055C | 30 | 5.0 Square x 11 Ga. | 0" | 6.0 | 150 | 3.4 | 88 | 1.5 | 50 | 8.50 | .75 x 17 + 3 |
| 3 | SSS3055G | 30 | 5.0 Square x 7 Ga. | 30" | 5.5 | 138 | 3.0 | 76 | 1.0 | 25 | 11.00 | .75 x 17 + 3 |
| 3 | SSS3055C | 30 | 5.0 Square x 11 Ga. | 0" | 4.7 | 140 | 2.0 | 50 | na | na | 11.00 | .75 x 17 + 3 |
| 3 | SSS3055G | 30 | 5.0 Square x 7 Ga. | 30" | 9.3 | 245 | 6.3 | 153 | 3.7 | 100 | 11.00 | .75 x 17 + 3 |
| 3 | SSS3060G | 30 | 6.0 Square x 7 Ga. | 30" | 9.8 | 248 | 6.4 | 160 | 3.6 | 90 | 12.00 | 1 x 36 + 4 |
| 3 | SSS3555C | 35 | 6.0 Square x 11 Ga. | 0" | 17.6 | 440 | 12.2 | 305 | 8.3 | 208 | 11.00 | 1 x 36 + 4 |
| 3 | SSS3555G | 35 | 6.0 Square x 7 Ga. | 30" | 5.9 | 150 | 2.5 | 100 | na | na | 11.00 | 1 x 36 + 4 |
| 3 | SSS3560G | 35 | 6.0 Square x 7 Ga. | 30" | 5.8 | 148 | 2.4 | 60 | na | na | 12.00 | 1 x 36 + 4 |
| 3 | SSS3560G | 35 | 6.0 Square x 7 Ga. | 0" | 12.4 | 310 | 7.6 | 160 | 4.2 | 105 | 11.00 | 1 x 36 + 4 |
| 3 | SSS3560G | 35 | 6.0 Square x 7 Ga. | 30" | 11.9 | 268 | 7.8 | 163 | 4.0 | 100 | 12.00 | 1 x 36 + 4 |
| 3 | SSS3560G | 35 | 6.0 Square x 7 Ga. | 0" | 8.0 | 200 | 3.8 | 95 | na | na | 12.00 | 1 x 36 + 4 |