



# CITY PLAN COMMISSION STAFF REPORT

City of Kansas City, Missouri  
City Planning & Development Department  
[www.kcmo.gov/cpc](http://www.kcmo.gov/cpc)

March 19, 2024

**Project Name**  
Oak Ridge Family Club

**Docket # 2**

**Request**  
CD-CPC-2024-00010  
Development Plan – Non-Residential

**Applicant**  
Jacob Dobbs  
Kaw Valley Engineering

**Owner**  
Charles Cuda

Location	5330 NE Oak Ridge Dr.
Area	About 30 Acres
Zoning	B3-2
Council District	2 <sup>nd</sup>
County	Clay
School District	North Kansas City 250

**Surrounding Land Uses**  
**North:** Commercial, zoned R-6/B2-2  
**South:** Interstate 35  
**East:** Interstate 35  
**West:** Residential, zoned R-6

**KC Spirit Playbook Alignment**  
No review was completed.

**Land Use Plan**  
The Briarcliff/Winnwood Area Plan recommends park and mixed use neighborhood for this location.

**Major Street Plan**  
NE Oak Ridge Drive is not identified on the City's Major Street Plan.



## PROJECT TIMELINE

The application for the subject request was filed on 1/31/2024. No scheduling deviations from the 2024 Cycle 3.2 have occurred.

## REQUIRED PUBLIC ENGAGEMENT

Public engagement as required by 88-505-12 does apply to this request. The applicant hosted a meeting on 3/5/2024. A summary of the meeting is attached to the staff report, see Attachment #3.

## EXISTING CONDITIONS

The sports and recreation development was approved by the City Council in the late 1980's and sprawls over roughly 30 acres.

## SUMMARY OF REQUEST + KEY POINTS

A request to approve a major amendment to a previously approved development plan in district B3-2 to allow for outdoor sports and recreation, participant on about 30 acres generally located at NE Oak Ridge Drive and Interstate 35.

## CONTROLLING + RELATED CASES

Ordinance No. 63291- Rezoned the property to C-2p (local retail business district) and approved a preliminary development plan for a clubhouse, miniature golf courses and off-street parking for 136 cars (December 1, 1988)

## PROFESSIONAL STAFF RECOMMENDATION

Docket # Recommendation

2

## APPROVAL WITH CONDITIONS

**PLAN REVIEW & HISTORY**

In the late 1980's the original development to allow for outdoor sports and recreation was approved by City Council. A new owner has since purchased the property and made several improvements to the site which include a new parking area, new drive approach and a 1,695 square foot building for site operations. The applicant also cleared less than an acre of vegetation to construct the additional parking area and impervious surfaces along the eastern perimeter of N. Hardesty Avenue. Unfortunately, these improvements were constructed without any approval from the City Plan Commission, City Council and no permits were applied for or issued. The applicant is now in the process of remedying these improvements by submitting this development plan application and working with KC Water, Public Works and City Planning and Development to address improvements that were made on the property and within the public right-of-way.

**PLAN ANALYSIS**

The plans submitted to City Planning and Development generally comply with the Zoning and Development Code (Chapter 88). The applicant has minor corrections that shall be made to the plans prior to ordinance request. The three corrections are revising the use table to provide the correct language, updating the landscape table and plan to illustrate how the interior landscaping requirements will be installed along the perimeter of the site and confirming addressing locations per KCPD's request. Staff is very concerned about stormwater runoff from the work that was completed without permit along N. Hardesty Avenue and the additional impervious surfaces (vehicular use area and driveway to new 1,695 structure). The applicant is continuing to resolve the permitting issues with KC Water, Public Works and City Planning and Development.

<b>Standards</b>	<b>Applicability</b>	<b>Meets</b>	<b>More Information</b>
Accessory or Use- Specific Standards (88-305)	Yes	Yes	
Tree Preservation and Protection (88-424)	No	N/A	Less than one acre of trees were disturbed.
Parking and Loading Standards (88-420)	Yes	Yes, subject to conditions	
Landscape and Screening Standards (88-425)	Yes	Yes, subject to conditions	The applicant shall continue to improve the landscape plan and revise the landscape table prior to ordinance request.
Outdoor Lighting Standards (88-430)	Yes	Yes, subject to conditions	
Sign Standards (88-445)	Yes	Yes, subject to conditions	
Pedestrian Standards (88-450)	Yes	Yes, subject to conditions	

**SPECIFIC REVIEW CRITERIA****Development Plans, Project Plan, or Site Plan (88-516-05)**

In order to be approved, a development plan, project plan, or site plan must comply with all of the following criteria:

- A. The plan must comply with all standards of the Zoning and Development Code and all other applicable city ordinances and policies;**

The development plan generally complies with the Zoning and Development Code (Chapter 88). The applicant has outstanding corrections that shall be resolved with revised plans submitted to staff prior to ordinance request.

- B. The proposed use must be allowed in the district in which it is located;**

The proposed use (sports and recreation, participation (outdoor)) is permitted in the B3-2 zoning district. The development plan is required as the applicant is constructing multiple principle uses on one lot and the lot is more than five (5) acres in total area.

- C. Vehicular ingress and egress to and from the site, and circulation within the site must provide for safe, efficient, and convenient movement of traffic not only within the site but on adjacent roadways;**

The proposed vehicular ingress and egress is still located from NE Oak Ridge Drive and will allow for safe, efficient and convenient movement of traffic within the site and on adjacent roadways.

- D. The plan must provide for safe, efficient, and convenient non-motorized travel opportunities, being pedestrian and bicycle movement, on the subject site;**

The plan does provide for safe pedestrian and bicycle movement.

- E. The plan must provide for adequate utilities based on City standards for the particular development proposed.**

KC Water approved the utility plan for this project. The applicant is still working with the City to obtain permits for the work that was previously completed.

- F. The location, orientation, and architectural features, including design and material, of buildings and other structures on the site must be designed to be compatible with adjacent properties.**

The overall design features of the structures maintain a consistent theme throughout the entire development.

- G. Landscaping, berms, fences, and/or walls must be provided to buffer the site from undesirable views, noises, lighting, or other off-site negative influences and to buffer adjacent properties from negative influences that may be created by the plan.**

The applicant will be required to provide a buffer along the perimeter of the vehicular use area and along N. Hardesty Avenue.

**H. The design of streets, drives, and parking areas within the project should result in a minimum of area devoted to asphalt or other impervious surfaces consistent with the needs of the project and city code requirements.**

Staff is concerned about the impervious surfaces that were constructed without any review by KC Water, Public Works and City Planning and Development. The applicant has outstanding violations and is coordinating with several City departments to address them.

**I. The plan must identify trees to be removed and trees to be preserved during the development of the subject property with the goal of saving trees that are not required to be removed for the development of the property.**

The applicant provided staff with a tree removal analysis and cleared less than one acre of mature vegetation.

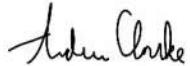
#### **ATTACHMENTS**

1. Conditions Report
2. Applicants Submittal
3. Public Engagement Materials

#### **PROFESSIONAL STAFF RECOMMENDATION**

City staff recommends **APPROVAL WITH CONDITIONS** as stated in the conditions report.

Respectfully Submitted,



Andrew Clarke, AICP  
Planner



## Plan Conditions

KANSAS CITY

Planning & Dev



Report Date: March 13, 2024

Case Number: CD-CPC-2024-00010

Project: Oak Ridge Family Club

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*Condition(s) by City Planning and Development Department. Contact Andrew Clarke at (816) 513-8821 / Andrew.Clarke@kcmo.org with questions.*

1. The developer shall screen all roof and/or ground mounted mechanical and utility equipment in compliance with 88-425-08.
2. All signage shall conform to 88-445 and shall require a sign permit prior to installation.
3. The developer shall submit an affidavit, prepared by an engineer licensed in the State of Missouri, verifying that all outdoor lighting has been installed in accordance with approved plans and that lighting levels do not exceed that shown on the approved lighting plan at the property lines prior to Certificate of Occupancy.
4. The developer shall submit an affidavit, completed by a landscape architect licensed in the State of Missouri, verifying that street trees have been installed in accordance with the approved street tree planting plan and are healthy prior to Certificate of Occupancy.
5. The developer shall submit an affidavit, completed by a landscape architect licensed in the State of Missouri, verifying that all landscaping required of the approved plan has been installed in accordance with the plan and is healthy prior to Certificate of Occupancy.
6. Prior to ordinance request the applicant shall revise the landscape table (88-425-06) showing 35 SF x 32 stalls = 1120 sf with a note stating that this will be scattered around the perimeter of the site in lieu of installing landscaped medians within the parking area.
7. Prior to ordinance request the applicant shall revise the use table and change the "use" to Sports and Recreation, Participant.

*Condition(s) by City Planning and Development Department. Contact Terry Thomas at (816) 513-2510 / Terry.A.Thomas@kcmo.org with questions.*

8. The developer shall submit a storm drainage analysis from a Missouri-licensed civil engineer to the Land Development Division, in accordance with adopted standards, including a BMP level of service analysis prior to approval and issuance of any building permits, and that the developer secure permits to construct any improvements as required by the Land Development Division prior to issuance of any certificate of occupancy.
9. The developer shall pay impact fees as required by Chapter 39 of the City's Code of ordinances as required by the Land Development Division.
10. The developer shall grant a BMP and/or Surface Drainage Easement to the City as required by the Land Development Division, prior to recording the plat or issuance of any building permits.
11. The developer shall submit verification of vertical and horizontal sight distance for the drive connection to public right-of-way to the Land Development Division and make improvements to ensure local jurisdiction and/or minimum AASHTO adequate sight distance standards are met, prior to issuance of any certificate of occupancy.
12. The developer shall submit plans for grading, siltation, and erosion control to Land Development Division for review and acceptance, provide a copy of the Storm Water Pollution Prevention (SWPP) plan submitted to the Missouri Dept. of Natural Resources (MDNR) and secure a Site Disturbance permit for any proposed disturbance area equal to one acre or more prior to beginning any construction activities.

*Condition(s) by Fire Department. Contact Michael Schroeder at (816) 513-4604 / michael.schroeder@kcmo.org with questions.*

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13. • A required fire department access roads shall be an all weather surface. (IFC-2012: § 503.2.3)
  - Fire Department access roads shall be provided prior to construction/demolition projects begin. (IFC-2018 § 501.4 and 3310.1; NFPA 241-2013 § 7.5.5)
  - Required fire department access roads shall designed to support a fire apparatus with gross axle weight of 85,000 pounds. (IFC-2018: § 503.2.3)
  - The turning radius for fire department access roads shall be 30 feet inside and 50 feet outside radius. (IFC-2018: § 503.2.4)

14. • The developer shall meet the fire flow requirements as set forth in Appendix B of the project International Fire Code 2018. (IFC-2018 § 507.1)

*Condition(s) by Water Services Department. Contact Heather Massey at (816) 513-2111 / heather.massey@kcmo.org with questions.*

15. The developer shall ensure that water and fire service lines should meet current Water Services Department Rules and Regulations. Prior to C of O.

<https://www.kcwater.us/wp-content/uploads/2022/05/2022-Rules-and-Regulations-for-Water-Service-Lines-Final.pdf>

16. The developer shall have a water flow test done to ensure there is adequate water pressure to serve the development.  
South of River contact - Patrick Lewis 816-513-0423  
North of River contact - Pedro Colato 816-513-4892

*Condition(s) by Water Services Department. Contact Kirk Rome at (816) 513-0368 / kirk.rome@kcmo.org with questions.*

17. Submit public water main extension plans for the new fire hydrant (#29 on sheet C100 on N Hardesty Dr.) for review, acceptance and contracts (permits) prior to building permit approvals. Follow all KC Water Rules and Regulation for water main extensions as outlined in the following link:

<https://www.kcwater.us/wp-content/uploads/2022/05/2022-Rules-and-Regulations-for-Water-Main-Extensions-Final2.pdf>

# OAK RIDGE FAMILY CLUB

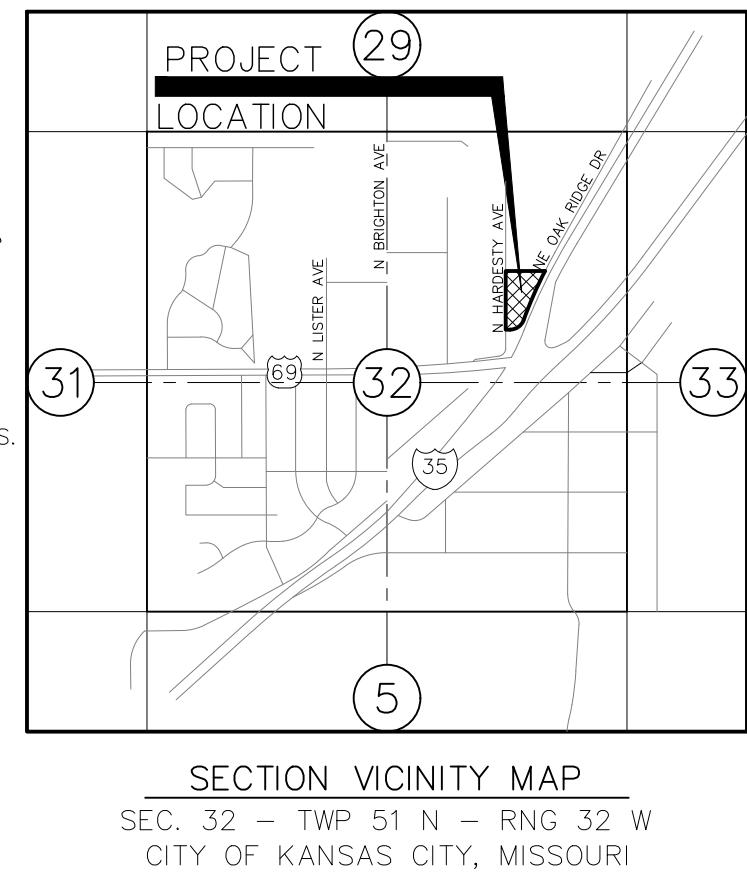
## DEVELOPMENT PLAN

### KANSAS CITY, CLAY COUNTY, MISSOURI

### SEC. 32, TWP 51 N, RNG 32 W

#### SHEET LIST TABLE

SHEET NUMBER		SHEET TITLE	
C001	COVER SHEET		
C100	SITE PLAN - 1		
C101	SITE PLAN - 2		
C200	GRADING PLAN		
C201	GRADING PLAN - 1		
C202	GRADING PLAN - 2		
C203	GRADING PLAN - 3		
C204	GRADING PLAN - 4		
C301	UTILITY PLAN - 1		
C302	UTILITY PLAN - 2		
C400	TREE PRESERVATION PLAN		
C500	DETAIL SHEET		
A201	BUILDING ELEVATIONS PLAN		
A201-B	BUILDING ELEVATIONS PLAN		
A202	BUILDING ELEVATIONS PLAN		
E1	ELECTRICAL PLANS		
LS	LANDSCAPING PLANS		
1 OF 1	SIGHT DISTANCE EXHIBIT		



#### PROPERTY ADDRESS:

5330 NE OAK RIDGE DRIVE, KANSAS CITY, MISSOURI, 64119

#### PROPERTY OWNER/DEVELOPER:

5330 OAK RIDGE REALTY, LLC  
1310 E 104TH STREET, SUITE 300  
KANSAS CITY, MO 64131  
CONTACT: CHUCK V. CUDA  
PHONE: (816) 268-4493  
EMAIL: cuda@opescre.com

#### PREPARED BY:

KAW VALLEY ENGINEERING  
8040 N. OAK TRAFFICWAY  
KANSAS CITY, MO 64118  
CONTACT: MATT CROSS  
PHONE: 816-468-5858  
EMAIL: cross@kveng.com

Site Data			Existing	Proposed
Zoning	63-2	63-2		
Gross Land Area (sqft)	12741952	12741952		
Gross Land Area (ac)	29.2	29.2		
Net Land Area (sqft)	12741952	12741952		
Net Land Area (ac)	29.2	29.2		
Building Area (sqft)	7370	15570		
Floor Area Ratio	0.001	0.001		
Total Impervious Area (sqft)	94,254	131,706		
Total Impervious Area (ac)	2.1637741	3.023554		

Building Data			Required	Proposed
Rear Setback	30ft.	30ft.		
Front Setback	30ft.	30ft.		
Side Setback	8ft.	8ft.		
Height	50ft.	50ft.		

Structure		Use	Square Footage	
Existing Building		Restaurant/Entertainment	7393	
Proposed Concessions/Storage Building		Storage	1695	
Proposed Basketball Court		Recreation	6504	

Parking	Vehicle Spaces	Bike Spaces
Existing	74	40
Proposed	114	110
Total	131	24

#### UTILITY INFORMATION

THE INFORMATION CONCERNING THE EXISTENCE, LOCATION, SIZE OR TYPE OF MATERIALS OF UNDERGROUND UTILITIES SHOWN HEREON, WHICH ARE NOT VISIBLE FROM THE SURFACE, HAS BEEN COMPILED FROM THE RECORDS OF THE VARIOUS UTILITY COMPANIES OR OTHER SOURCES OF INFORMATION ALONG WITH FIELD LOCATIONS OF PAINTED MARKINGS BY MISSOURI ONE CALL, TICKET NUMBER 210881989. THIS INFORMATION IS NOT TO BE CONSTRUED AS ACCURATE, COMPLETE NOR EXACT. ANY INFORMATION CONCERNING UNDERGROUND UTILITIES SHOWN HEREON MUST BE CONFIRMED BY THE DESIGN PROFESSIONAL PRIOR TO DESIGNING ANY IMPROVEMENTS WHICH MAY BE AFFECTED BY THIS INFORMATION OR BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITY.

#### PROPERTY DESCRIPTION:

THAT PART OF THE SW 1/4, SEC 29, THE NE 1/4, SEC 32, THE NW 1/4, SEC 33, T-51-N, R-32-W, & LOT 1, TIMBER RIDGE PARK SUBDIVISION, KANSAS CITY, CLAY COUNTY, MISSOURI

#### DEVELOPMENT SUMMARY

A. EXISTING ZONING OF PROPERTY AND ANY PROPOSED ZONING, INCLUDING TYPE OF ANY PLANNED DISTRICT REQUESTED.  
EXISTING: B3-2  
PROPOSED: B3-2

B. TOTAL LAND AREA: 1,271,952 SQ. FT. / 29.2 ACRES

C. LAND AREA OR ACRES FOR EXISTING AND PROPOSED STREET RIGHT OF WAY, 0 (ZERO)

D. NET LAND AREA: 1,271,952 SQ. FT. / 29.2 ACRES

E. PROPOSED USE OR USES OF EACH BUILDING AND STRUCTURE.  
RESTAURANT AND SOCIAL CLUB, CONCESSIONS, INDOOR BASKETBALL BUILDING WITH RESTROOMS.

F. HEIGHT ABOVE GRADE OF BUILDING AND STRUCTURES AND NUMBER OF FLOORS OF EACH BUILDING

HEIGHT OF MAIN BUILDING = 29'-7"

NUMBER OF FLOORS = 2 (TWO)

PROPOSED USE: RESTAURANT AND SOCIAL CLUB

HEIGHT OF CONCESSIONS/STORAGE BUILDING = 14'-6"

NUMBER OF FLOORS = 1 (ONE)

PROPOSED USE: CONCESSIONS AND STORAGE

HEIGHT OF BASKETBALL COURT BUILDING = 25'-8"

NUMBER OF FLOORS = 1 (ONE)

PROPOSED USE: INDOOR BASKETBALL COURT WITH RESTROOMS

G. GROSS FLOOR AREA PER FLOOR (MAIN BLDG). 7,370 SQ. FT.  
(CONCESSIONS/STORAGE BUILDING), 1695 SQ. FT.  
(BASKETBALL BUILDING). 6504 SQ. FT.

H. BUILDING COVERAGE AND FLOOR AREA RATIO.  
15,570 / 1,271,952 = 0.012

I. RESIDENTIAL DEVELOPMENT SHALL, IN ADDITION, IDENTIFY GROSS AND NET DENSITY.  
N/A

J. RATIO OF REQUIRED NUMBER OF PARKING SPACES FOR EACH USE AND AMOUNT OF REQUIRED, PROPOSED PARKING SPACES.  
EATING AND DRINKING ESTABLISHMENT: 10 SPACES/1,000 SF (70)  
UNCOVERED PATIOS OR DECKS: 5 SPACES/1,000 SF (5)  
ENTERTAINMENT VENUE/SPECTATOR SPORTS: 1 SPACE/4 PERSON CAPACITY (19)  
SPORTS & REC:  
REQUIRED SPACES = 110  
PROVIDED SPACES = 114

K. RATIO OF REQUIRED NUMBER OF SHORT TERM AND LONG TERM BICYCLE PARKING SPACES FOR EACH USE AND AMOUNT OF REQUIRED, PROPOSED SHORT TERM AND LONG TERM BICYCLE PARKING SPACES

SHORT TERM: 1 PER 10 OFF-STREET VEHICLE PARKING SPACES

REQUIRED SPACES=11  
PROVIDED SPACES=22

LONG TERM:

EATING AND DRINKING ESTABLISHMENTS: 1+1/5,000 SQUARE FEET

REQUIRED SPACES=2  
PROVIDED SPACES=2

L. DEVIATIONS:

- BASKETBALL BUILDING SETBACK  
DISTANCE FROM PROPERTY LINE REQUIRED = 20FT. (PER 88-120-04)  
DISTANCE FROM PROPERTY LINE PROPOSED = 9FT.  
DEVIATION REQUESTED = 11FT.

- FIRE ACCESS WIDTH  
MAXIMUM WIDTH OF ACCESS REQUIRED = 30FT.  
WIDTH OF ACCESS PROVIDED = 79FT.  
DEVIATION REQUESTED = 49FT.

- INTERIOR LANDSCAPING  
REQUEST DEVIATION THAT LANDSCAPING BE MOVED TO PERIMETER TO PROVIDE SCREENING OF LOTS

M. DISTURBED AREA:  
TOTAL DISTURBED AREA=79,370 SQ.FT.  
TOTAL DISTURBED AREA=1.82 AC.

#### FLOOD STATEMENT:

THE ACCURACY OF ANY FLOOD HAZARD DATA SHOWN HEREON IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. THE SURVEYED PROPERTY LIES WITHIN FLOOD HAZARD ZONE "X", NON-SHADED, AREA OF MINIMAL FLOOD HAZARD" AS SAID PROPERTY PLOTS BY SCALE ON THE FLOOD INSURANCE RATE MAP FOR THE CITY OF KANSAS CITY, FLOOD MAP FOR THE SELECTED AREA IS NUMBER 29095C0134G, EFFECTIVE ON 01/20/2017.

**OAKRIDGE FAMILY CLUB**  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

DEVELOPMENT PLAN  
COVER SHEET

PROJ. NO. B21D4185  
DESIGNER MAC DRAWN BY JAD  
CFN 4185CVR  
SHEET C001 REV 1

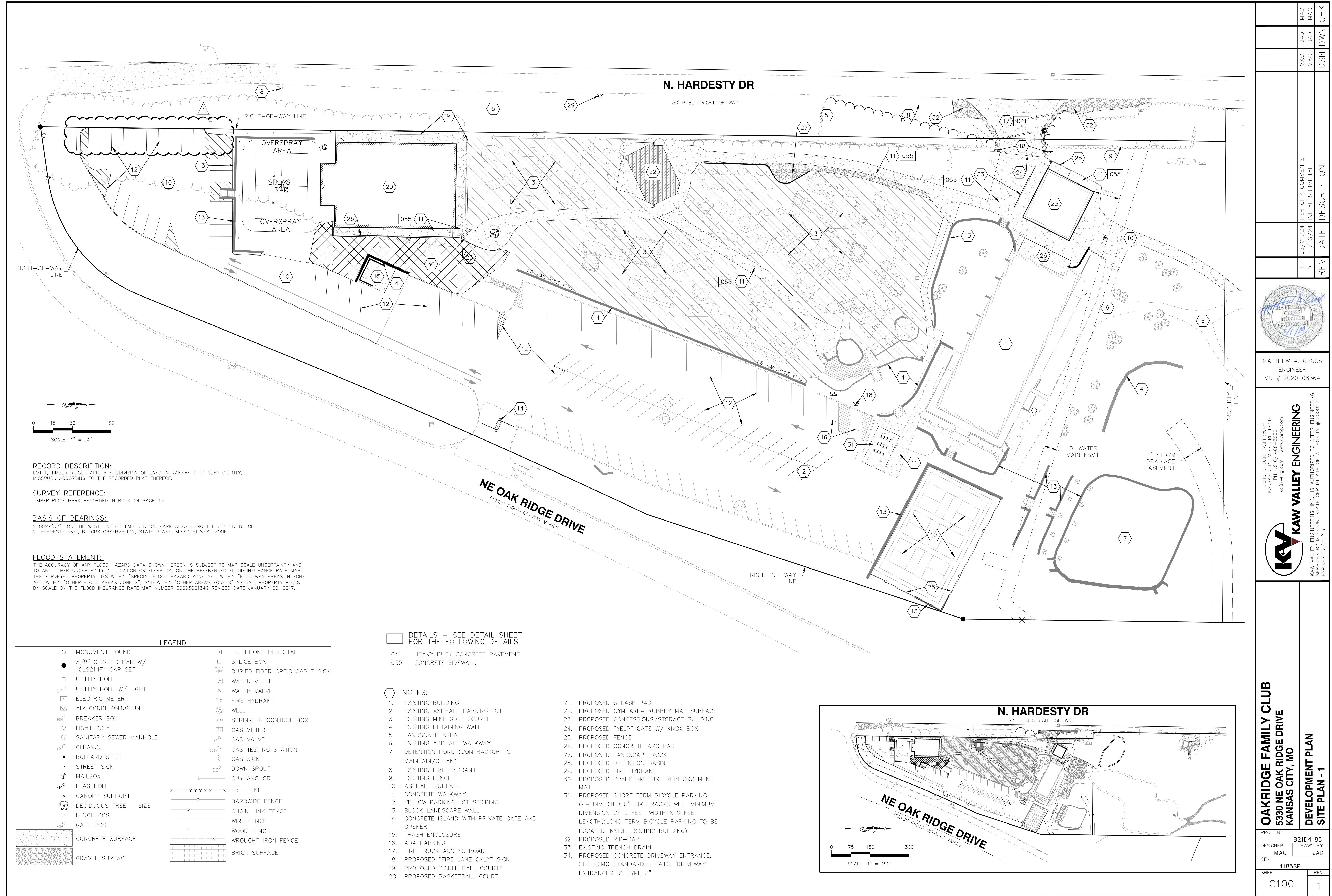
1	03/01/24	PER CITY COMMENTS
0	01/26/24	INITIAL SUBMITTAL
REV DATE	REV DATE	DESCRIPTION

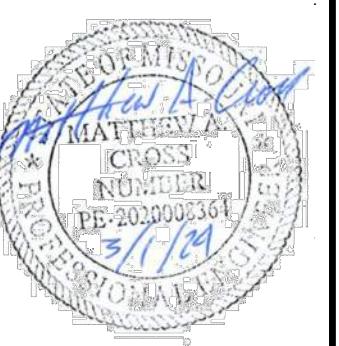
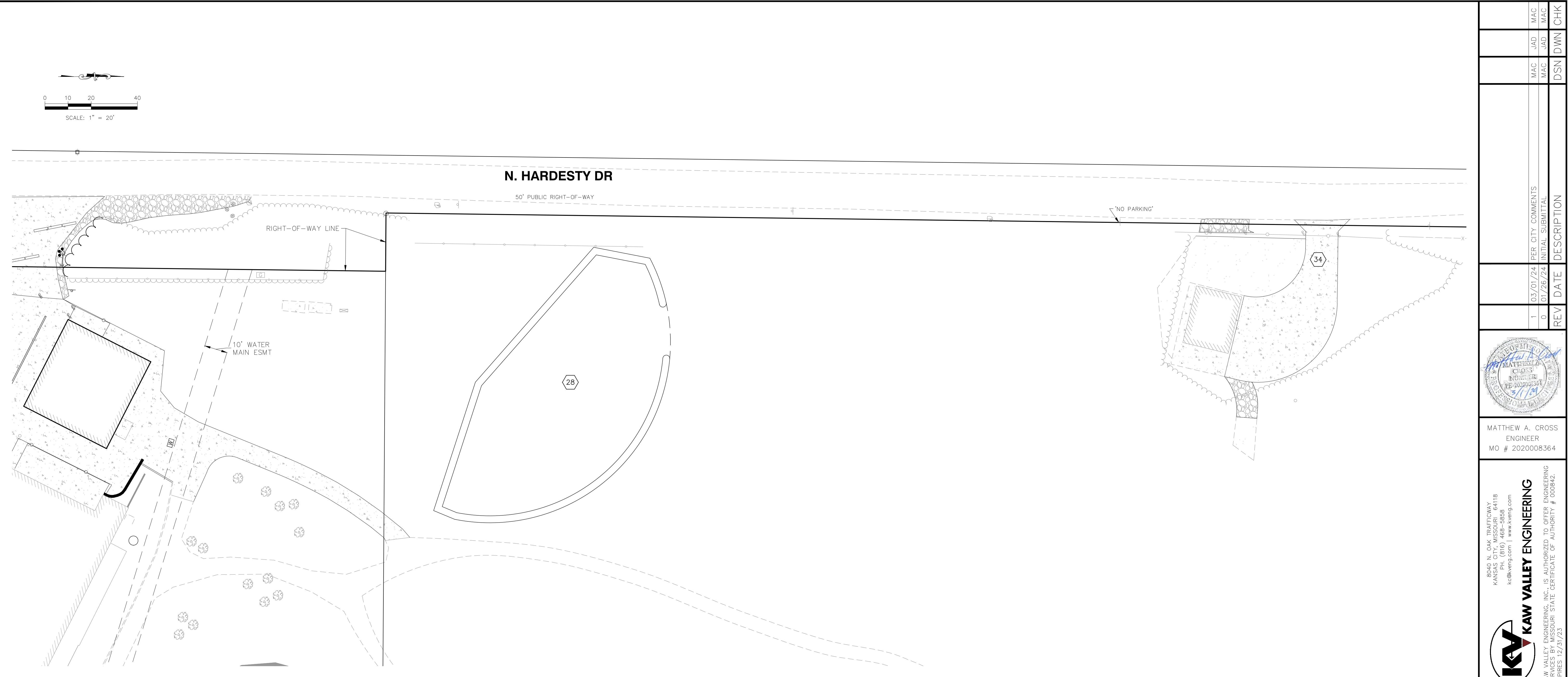
Matthew A. Cross  
Engineer  
MO # 202008364

8040 N. OAK TRAFFICWAY  
KANSAS CITY, MISSOURI 64118  
Ph. (816) 468-5858  
kveng.com www.kveng.com

**KAW VALLEY ENGINEERING**

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY STATE LICENSE CERTIFICATE OF AUTHORITY # 000842  
EXPIRES 12/31/23

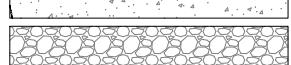
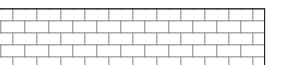




MATTHEW A. CROSS  
ENGINEER  
MO # 2020008364

The logo consists of a large, bold, italicized 'K' and a smaller, more upright 'V' positioned below it, forming a monogram. The 'K' has a thick, black, sans-serif font. The 'V' is a standard, thin, black, sans-serif font.

## LEGEND

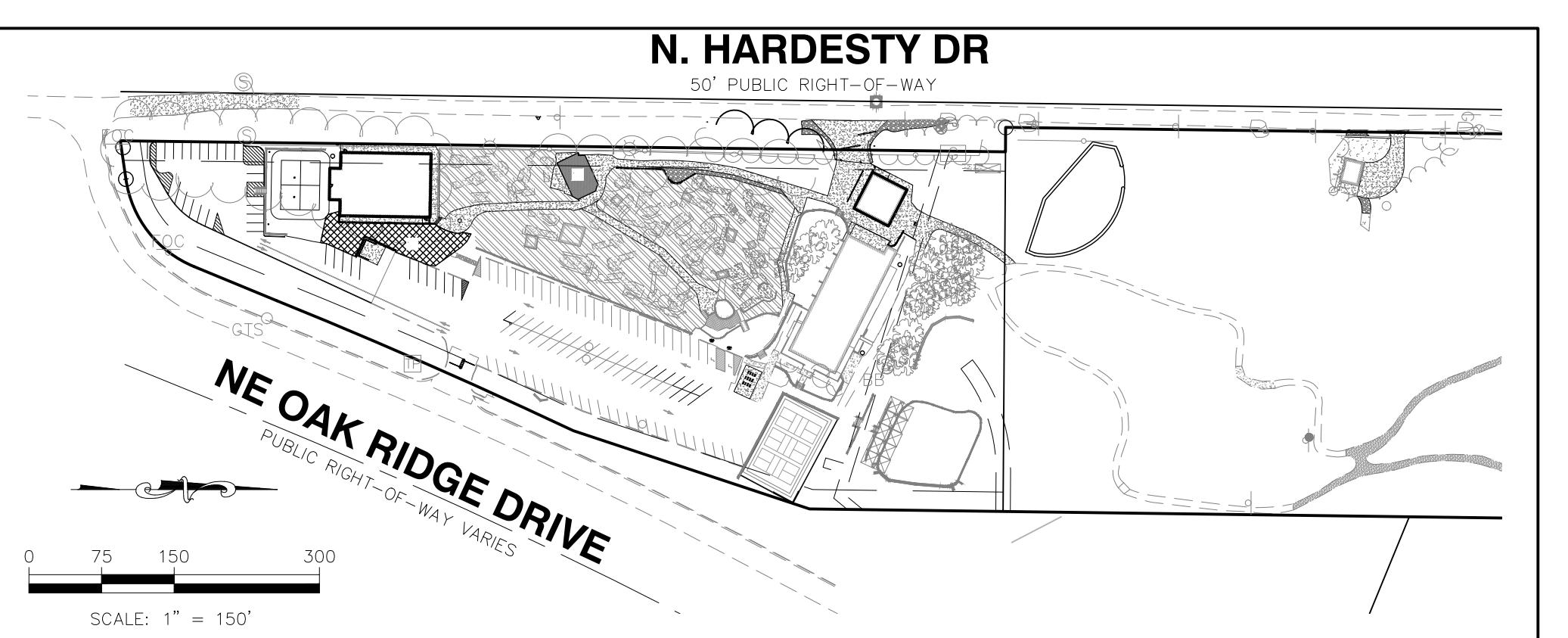
LEGEND	
○	MONUMENT FOUND
●	5/8" X 24" REBAR W/ "CLS214F" CAP SET
-□-	UTILITY POLE
L-□-	UTILITY POLE W/ LIGHT
[E]	ELECTRIC METER
[AC]	AIR CONDITIONING UNIT
BB○	BREAKER BOX
○	LIGHT POLE
(S)	SANITARY SEWER MANHOLE
CO○	CLEANOUT
●	BOLLARD STEEL
—○—	STREET SIGN
MP	MAILBOX
FP○	FLAG POLE
■	CANOPY SUPPORT
○	DECIDUOUS TREE – SIZE
○	FENCE POST
GP○	GATE POST
	CONCRETE SURFACE
	GRAVEL SURFACE
TP	TELEPHONE PEDESTAL
□○	SPLICE BOX
FOC	BURIED FIBER OPTIC CABLE SIGN
[W]	WATER METER
⊗	WATER VALVE
○	FIRE HYDRANT
○	WELL
✉	SPRINKLER CONTROL BOX
[G]	GAS METER
G⊗	GAS VALVE
GTS○	GAS TESTING STATION
G○	GAS SIGN
DS○	DOWN SPOUT
←	GUY ANCHOR
~~~~~	TREE LINE
—X—	BARBWIRE FENCE
—○—	CHAIN LINK FENCE
—	WIRE FENCE
—□—	WOOD FENCE
—X—	WROUGHT IRON FENCE
	BRICK SURFACE

DETAILS – SEE DETAIL SHEET  
FOR THE FOLLOWING DETAILS

041 HEAVY DUTY CONCRETE PAVEMENT  
055 CONCRETE SIDEWALK

 NOTES:

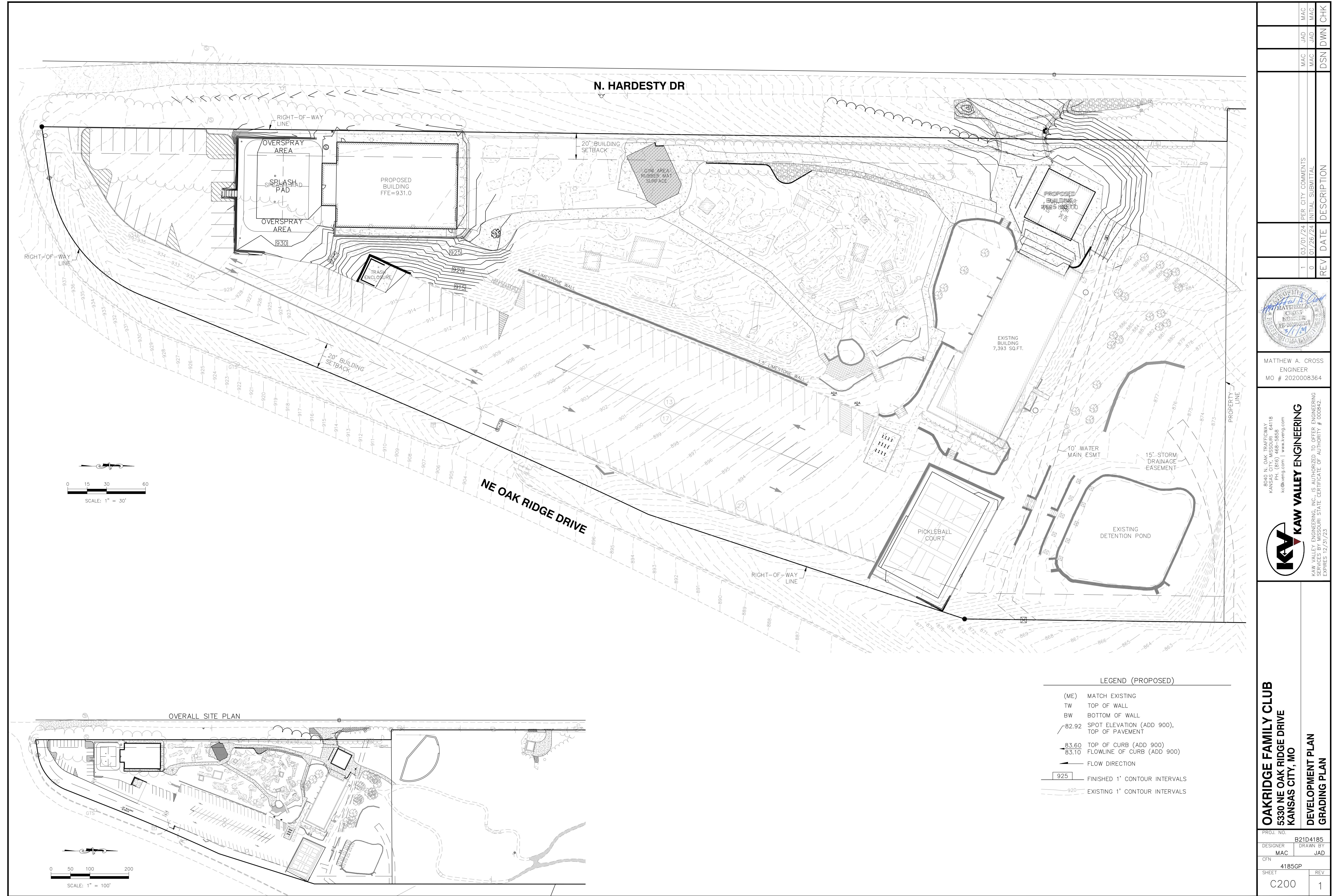
1. EXISTING BUILDING
  2. EXISTING ASPHALT PARKING LOT
  3. EXISTING MINI-GOLF COURSE
  4. EXISTING RETAINING WALL
  5. LANDSCAPE AREA
  6. EXISTING ASPHALT WALKWAY
  7. DETENTION POND (CONTRACTOR TO MAINTAIN/CLEAN)
  8. EXISTING FIRE HYDRANT
  9. EXISTING FENCE
  10. ASPHALT SURFACE
  11. CONCRETE WALKWAY
  12. YELLOW PARKING LOT STRIPING
  13. BLOCK LANDSCAPE WALL
  14. CONCRETE ISLAND WITH PRIVATE GATE AND OPENER
  15. TRASH ENCLOSURE
  16. ADA PARKING
  17. FIRE TRUCK ACCESS ROAD
  18. PROPOSED "FIRE LANE ONLY" SIGN
  19. PROPOSED PICKLE BALL COURTS
  20. PROPOSED BASKETBALL COURT
  21. PROPOSED SPLASH PAD
  22. PROPOSED GYM AREA RUBBER MAT SURFACE
  23. PROPOSED CONCESSIONS/STORAGE BUILDING
  24. PROPOSED "YELP" GATE W/ KNOX BOX
  25. PROPOSED FENCE
  26. PROPOSED CONCRETE A/C PAD
  27. PROPOSED LANDSCAPE ROCK
  28. PROPOSED DETENTION BASIN
  29. PROPOSED FIRE HYDRANT
  30. PROPOSED PP5HPTRM TURF REINFORCEMENT MAT
  31. PROPOSED SHORT TERM BICYCLE PARKING (4—"INVERTED U" BIKE RACKS WITH MINIMUM DIMENSION OF 2 FEET WIDTH X 6 FEET LENGTH)(LONG TERM BICYCLE PARKING TO BE LOCATED INSIDE EXISTING BUILDING)
  32. PROPOSED RIP-RAP
  33. EXISTING TRENCH DRAIN
  34. PROPOSED CONCRETE DRIVEWAY ENTRANCE, SEE KCMO STANDARD DETAILS "DRIVEWAY ENTRANCES D1 TYPE 3"

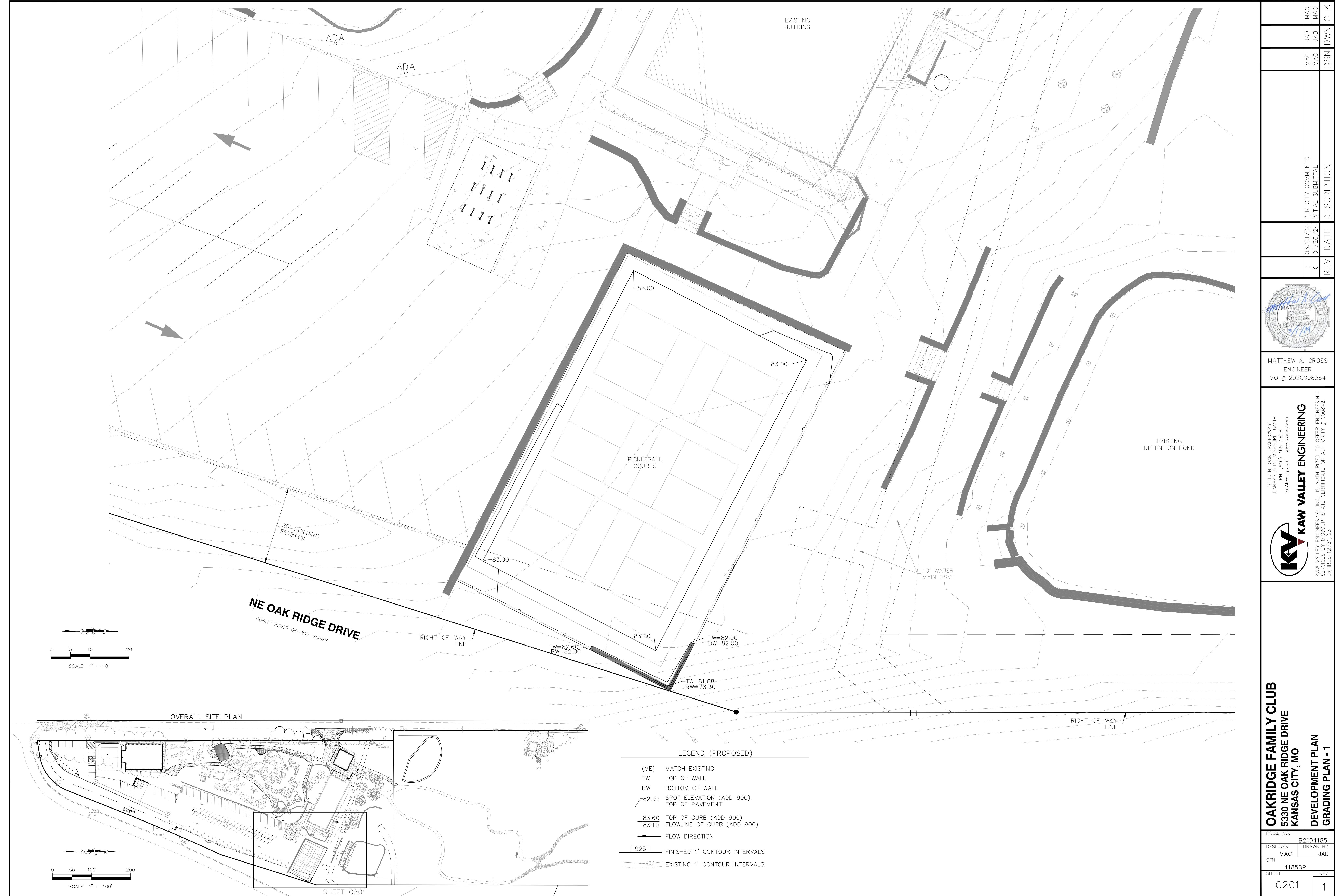


**OAKRIDGE FAMILY CLUB**  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

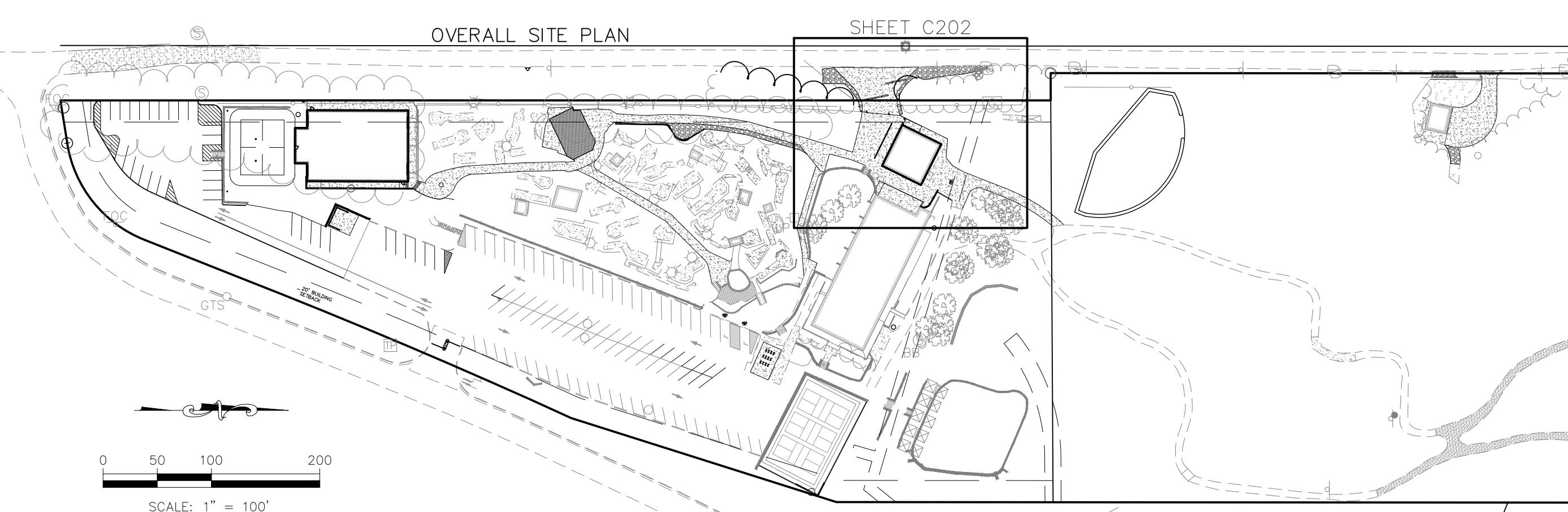
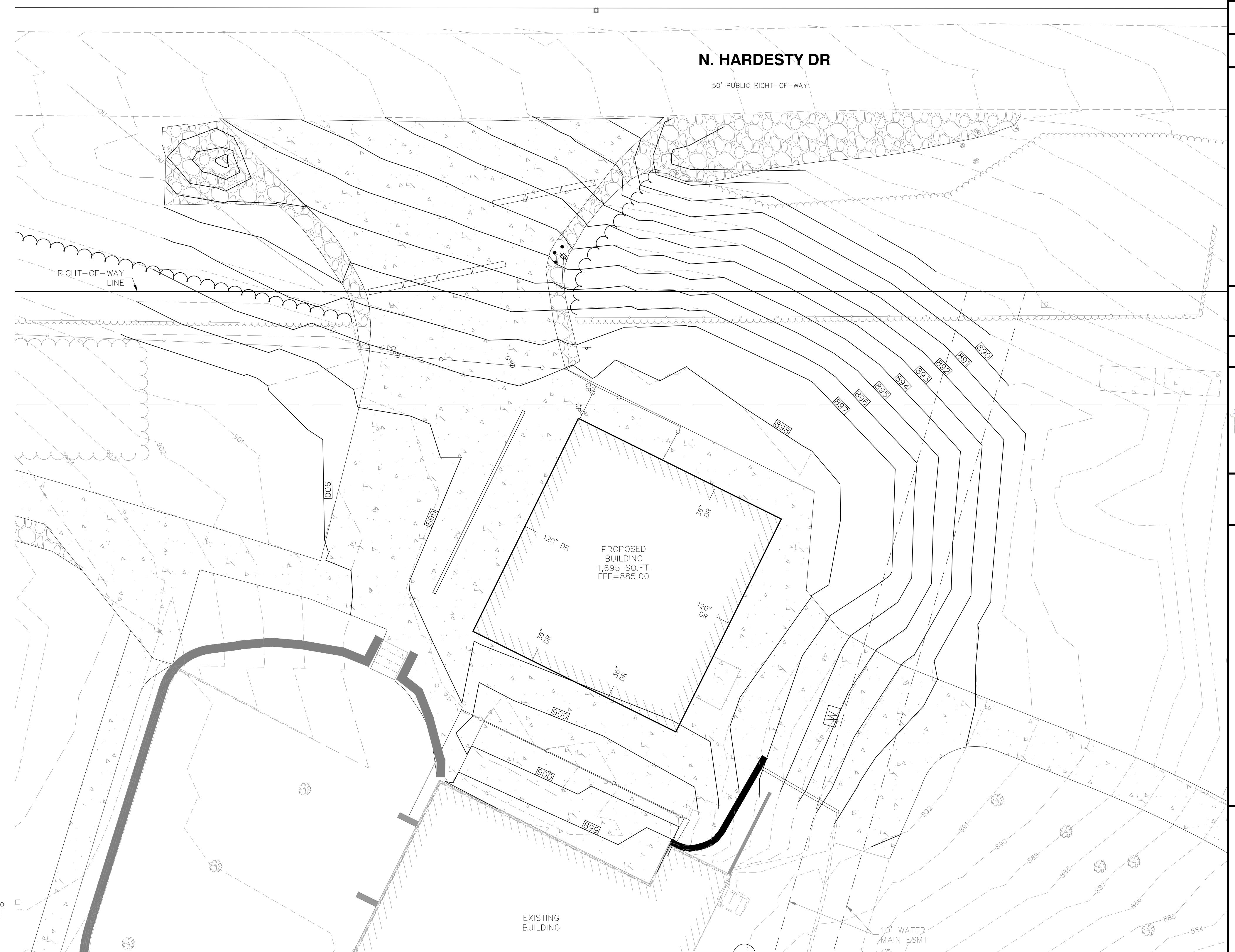
**DEVELOPMENT PLAN**

PROJ. NO.	
B21D4185	
DESIGNER	DRAWN BY
MAC	JAD
CFN	
4185SP	
SHEET	REV
C101	1





THIS DRAWING SHALL NOT BE COPIED BY ANY PERSON FIRM OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING



THIS DRAWING SHALL NOT BE UTILIZED BY ANY PERSON, FIRM, OR CORPORATION IN WHOLE OR IN PART WITHOUT THE SPECIFIC PERMISSION OF KAW VALLEY ENGINEERING, INC.

	1	03/01/24	PER CITY COMMENTS
	0	01/26/24	INITIAL SUBMITTAL
REV	DATE	DESCRIPTION	
MAC	01/26/24	REVIEWED	
JAD	01/26/24	REVIEWED	
DSN	01/26/24	REVIEWED	
CHK	01/26/24	REVIEWED	



MATTHEW A. CROSS  
ENGINEER  
MO # 2020008364

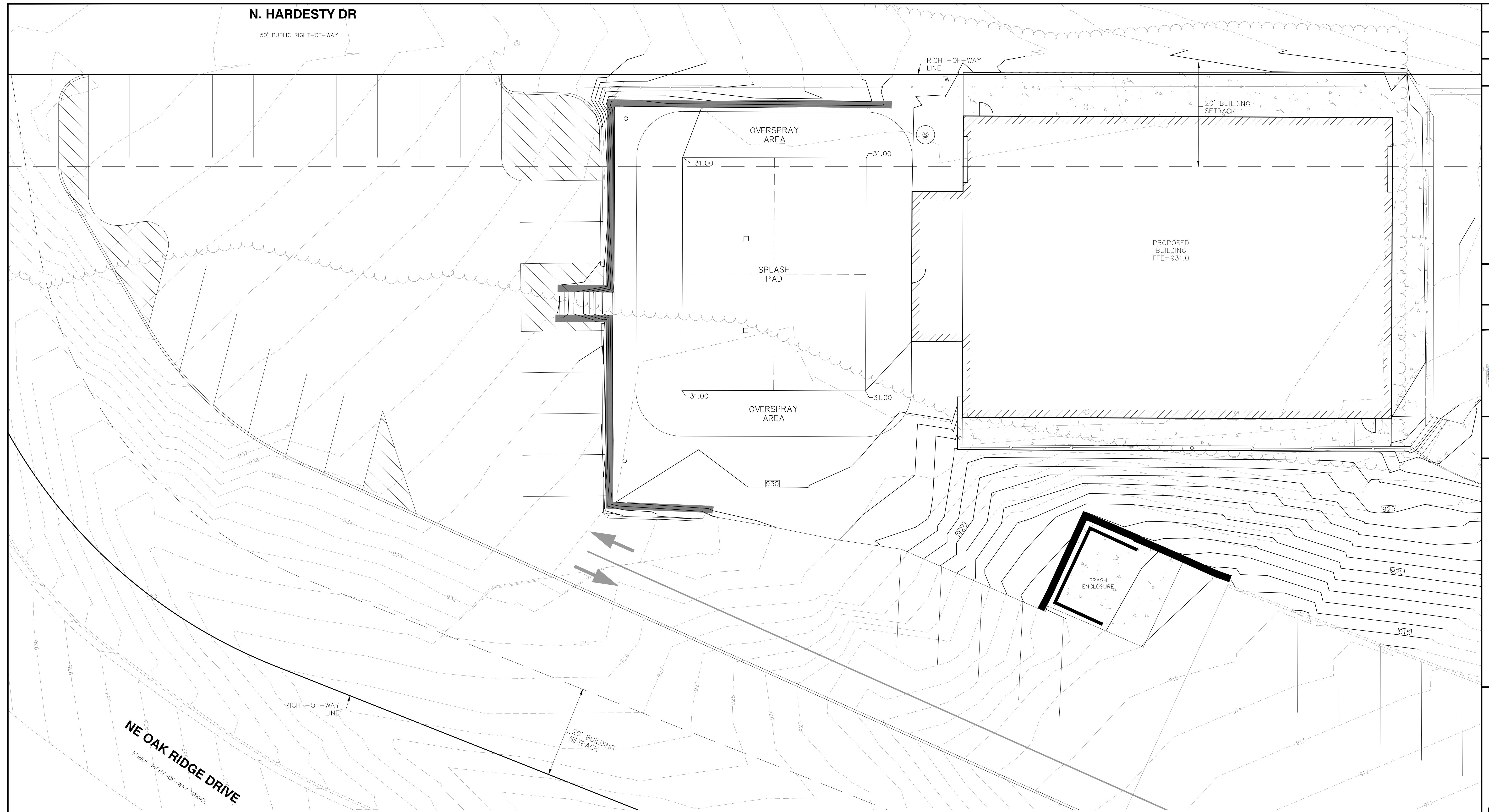


KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY STATE CERTIFICATE OF AUTHORITY # 000842  
EXPIRES 12/31/23

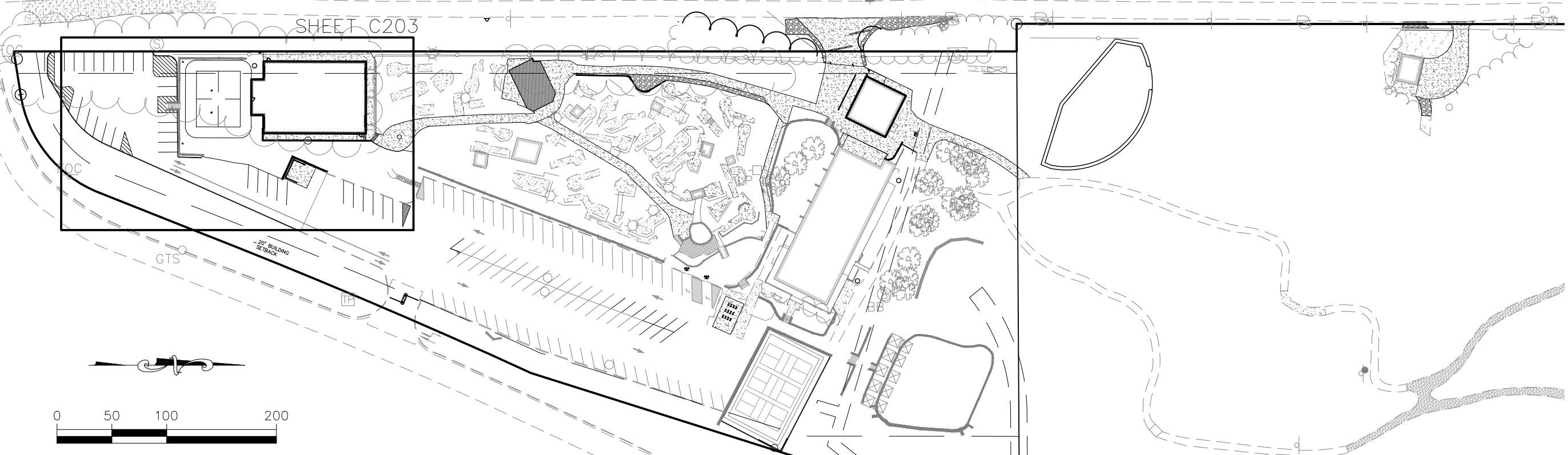
OAKRIDGE FAMILY CLUB  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO  
DEVELOPMENT PLAN  
GRADING PLAN - 2  
PROJ. NO. B21D4185  
DESIGNER MAC DRAWN BY JAD  
CFN 4185GP SHEET 4185GP REV 1  
C202

N. HARDESTY DR

50' PUBLIC RIGHT-OF-WAY



## OVERALL SITE PLAN



## LEGEND (PROPOSED)

- (ME) MATCH EXISTING  
TW TOP OF WALL  
BW BOTTOM OF WALL

✓ 82.92 SPOT ELEVATION (ADD 900),  
TOP OF PAVEMENT

→ 83.60 TOP OF CURB (ADD 900)  
83.10 FLOWLINE OF CURB (ADD 900)

→ FLOW DIRECTION

925 FINISHED 1' CONTOUR INTERVALS

→ 920 EXISTING 1' CONTOUR INTERVALS

SCALE: 1" = 10'

**OAKRIDGE FAMILY CLUB**  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

**DEVELOPMENT PLAN  
GRADING PLAN 2**

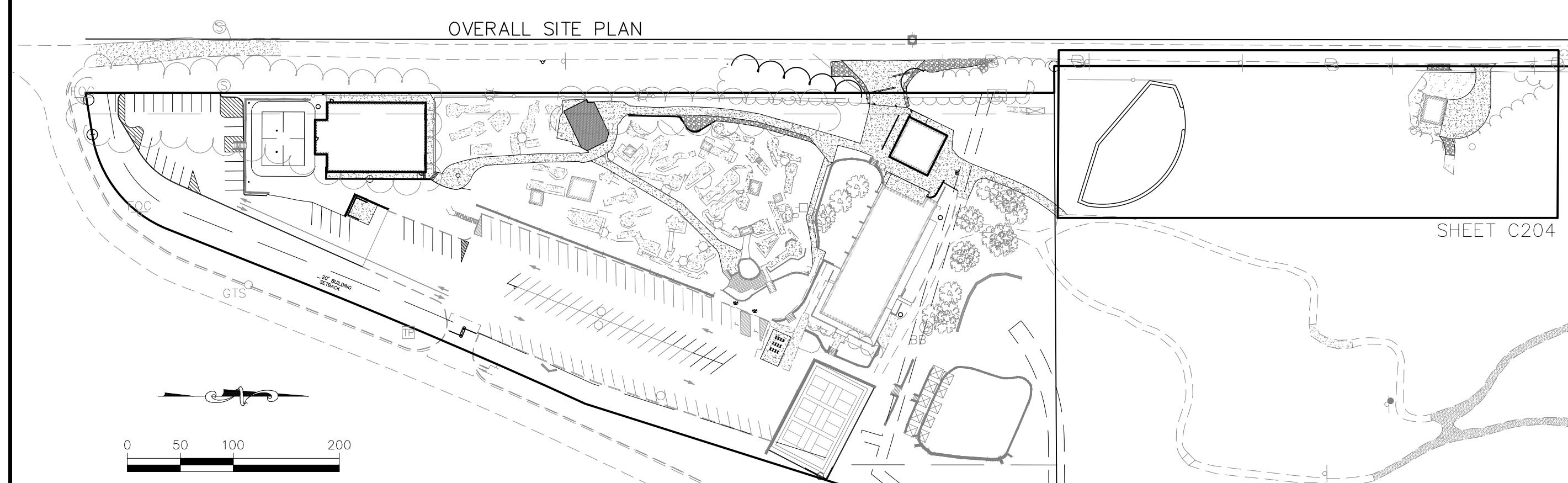
8040 N. OAK TRAFFICWAY  
KANSAS CITY, MISSOURI 64118  
PH. (816) 468-5858  
[www.kveng.com](http://www.kveng.com)

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842.

DEV	DATE	DESCRIPTION	DCN	DWN	GLW
1	03/01/24	PER CITY COMMENTS	MAC	JAD	MAC
0	01/26/24	INITIAL SUBMITAL	MAC	JAD	MAC

# N. HARDESTY DR

50' PUBLIC RIGHT-OF-WAY



## LEGEND (PROPOSED)

- (ME) MATCH EXISTING
- TW TOP OF WALL
- BW BOTTOM OF WALL
- ✓ 82.92 SPOT ELEVATION (ADD 900),  
TOP OF PAVEMENT
- ✓ 83.60 TOP OF CURB (ADD 900)  
83.10 FLOWLINE OF CURB (ADD 900)
- FLOW DIRECTION
- 925 FINISHED 1' CONTOUR INTERVALS
- 920 EXISTING 1' CONTOUR INTERVALS

**OAKRIDGE FAMILY CLUB**  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

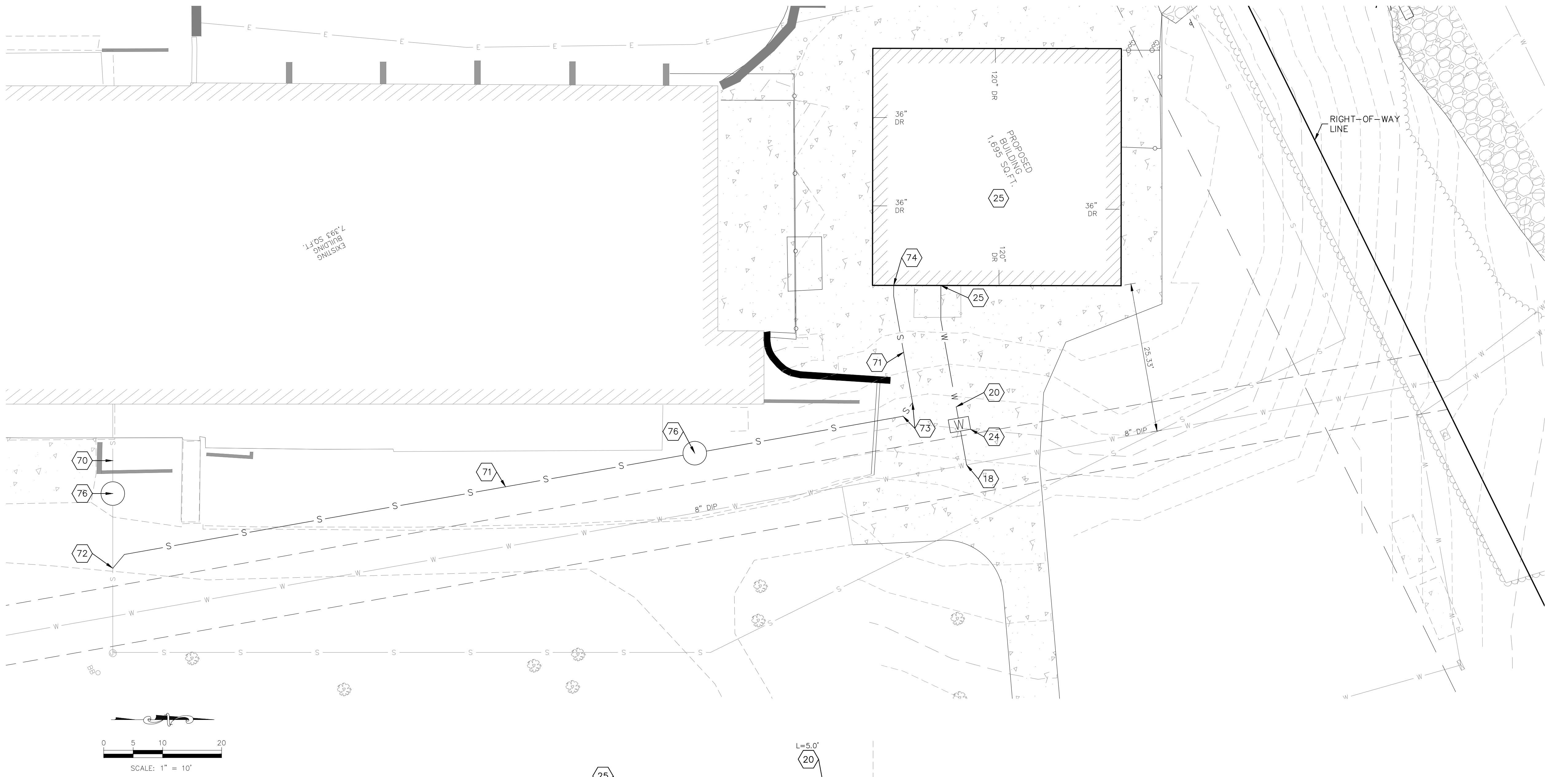
DEVELOPMENT PLAN  
GRADING PLAN - 3

MATTHEW A. CROSS  
ENGINEER  
MO # 2020008364

**KAW VALLEY ENGINEERING**  
8040 N OAK TRAFFICWAY  
KANSAS CITY, MISSOURI 64118  
Ph. (816) 468-5558  
kc@kveng.com www.kveng.com

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY STATE CERTIFICATE OF AUTHORITY # 000642.  
EXPIRES 12/31/23

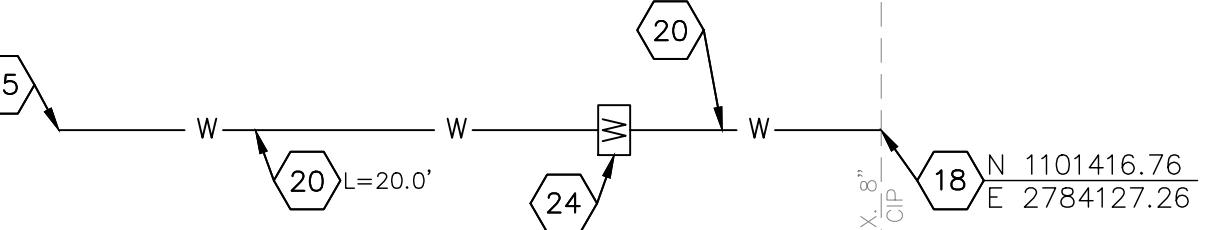
PROJ. NO.	B21D4185
DESIGNER	MAC
DRAWN BY	JAD
CFN	4185GP
SHEET	C204
REV	1



### WATERLINE SCHEMATIC

N.T.S.

18 N 1101416.76  
20 E 2784127.26



#### NOTES:

- 18 BRANCH SERVICE TAP CONNECTION
- 20 INSTALL 1" TYPE K COPPER WATER LINE
- 24 INSTALL 1" WATER METER
- 25 POINT OF CONNECTION - 1" WATER SERVICE STUB TO FUTURE BUILDING
- 70 EXISTING 4" SANITARY SEWER SERVICE LINE PER RECORD INFORMATION.
71. 4" SANITARY SEWER SERVICE LINE (MIN. 2% GRADE)
72. 4" SANITARY SEWER SERVICE WYE
73. 4"x45° BEND
74. SANITARY SEWER SERVICE LINE STUB-OUT
75. FUTURE BUILDING SITE
76. 4' SAMPLING MANHOLE

#### LEGEND

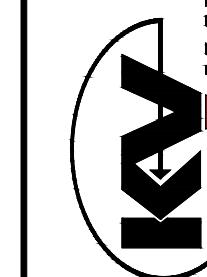
E	UNDERGROUND ELECTRIC LINE
OU	OVERHEAD UTILITY LINE
S	SAN SEWER LINE
W	WATER LINE

#### UTILITY PLAN NOTES

1. THE RPZ FOR THE FUTURE BUILDING IS TO BE LOCATED JUST INSIDE THE BUILDING, AFTER THE STOP VALVE, AND BEFORE ANY BRANCH SERVICE LINES, TEES, STRAINERS, PRESSURE GAUGES, ETC. THE INLET VALVE OF THE RPZ CANNOT SERVE AS A STOP VALVE. A FLOOR DRAIN MUST BE PROVIDED WITHIN 20 FEET FOR POSSIBLE RUN-OFF FROM THE RPZ.
2. ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.
3. SERVICE LINES SHALL HAVE A COVER OF NOT LESS THAN FOUR (4) FEET NOR MORE THAN FIVE (5) FEET, UNLESS OBSTRUCTIONS REQUIRE DEEPER EXCAVATION FOR CLEARANCE.
4. SEE MEP PLANS FOR RPZ BACKFLOW PREVENTER DETAILS.

OAKRIDGE FAMILY CLUB  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

DEVELOPMENT PLAN  
UTILITY PLAN



KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY STATE CERTIFICATE OF AUTHORITY # 000842.  
EXPIRES 12/31/23

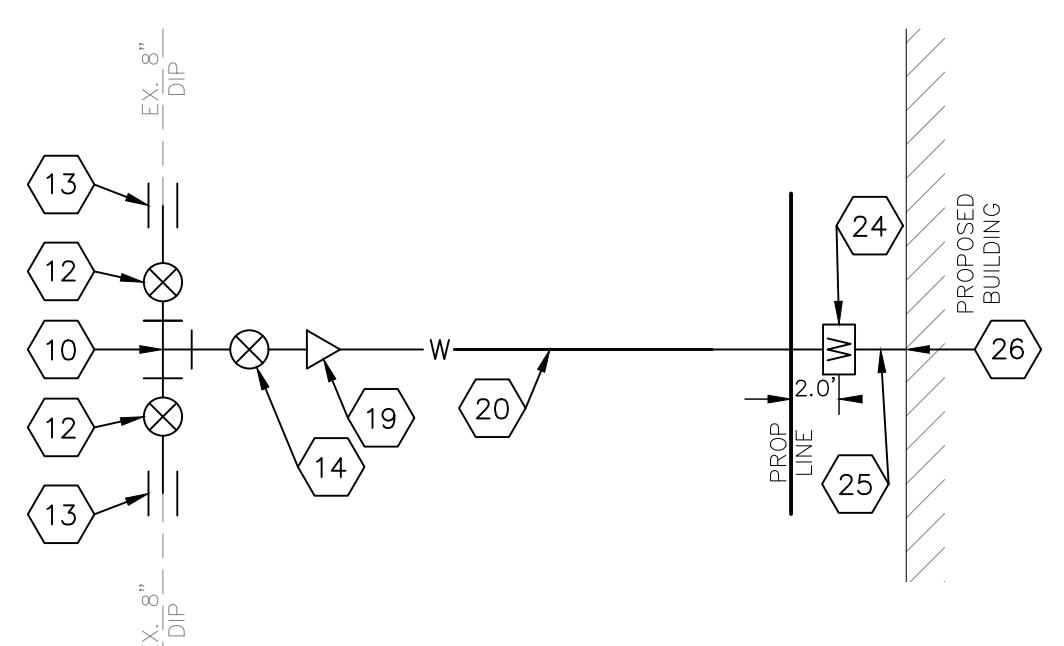
PROJ. NO.	B21D4185
DESIGNER	DRAWN BY
MAC	JAD
CFSN	4185UP
SHEET	REV
C301	1

**UTILITY NOTES:**

- CONSTRUCTION SHALL NOT START ON ANY PUBLIC WATER OR SANITARY SEWER SYSTEM UNTIL WRITTEN APPROVAL FROM THE OWNER, AND PERMITS FROM THE CITY HAVE BEEN RECEIVED.
- ALL UTILITY AND STORM SEWER TRENCHES CONSTRUCTED OUTSIDE OF THE RIGHT-OF-WAY UNDER AREAS THAT RECEIVE PAVING SHALL BE BACKFILLED TO 18 INCHES ABOVE THE TOP OF THE PIPE WITH CRUSHED STONE BASE MATERIAL PLACED ON EIGHT-INCH LIFTS, AND COMPAKTED TO 95% MODIFIED PROCTOR DENSITY.
- CONTRACTOR SHALL NOT OPEN, TURN OFF, INTERFERE WITH, OR ATTACH ANY PIPE OR HOSE TO OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY, ANY ADVERSE CONSEQUENCE OF ANY SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE LIABILITY OF THE CONTRACTOR. **KAW VALLEY ENGINEERING AND OWNER ARE TO BE HELD HARMLESS.**
- DISINFECTION AND PRESSURE TESTING OF WATER LINES SHALL BE PERFORMED AND PAID FOR BY THE CONTRACTOR UNDER SUPERVISION OF A REPRESENTATIVE OF THE CITY WATER DEPARTMENT. CONTRACTOR SHALL NOTIFY THE CITY OF KANSAS CITY WATER SERVICE DEPARTMENT 24 HOURS MINIMUM, PRIOR TO ANY TESTING.
- ALL WATER AND SANITARY SEWER SYSTEMS THAT ARE TO BE PUBLIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS PREVIOUSLY APPROVED BY THE CITY OF KANSAS CITY WATER SERVICE DEPARTMENT AND THE STATE OF MISSOURI AND SHALL BE INSPECTED BY THE CITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THIS INSPECTION OCCURS.
- LOCATIONS SHOWN FOR PROPOSED WATER LINES ARE APPROXIMATE. VARIATIONS MAY BE MADE, WITH APPROVAL OF THE ENGINEER, TO AVOID CONFLICTS.
- CONTRACTOR TO INSTALL TRACING TAPE ALONG ALL NON-METALLIC WATER MAINS AND SERVICE LINES PER SPECIFICATIONS.
- CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICT AND POINTS OF CONNECTION PRIOR TO ANY CONSTRUCTION OF NEW UTILITIES.
- SERVICE LINES SHALL HAVE A COVER OF NOT LESS THAN 4 FEET NOR MORE THAN 5 FEET UNLESS OBSTRUCTIONS REQUIRE DEEPER EXCAVATION FOR DEEPER EXCAVATION FOR CLEARANCE. ALL VALVES ON MAINS AND FIRE HYDRANT LEADS SHALL BE WITH VALVE BOX ASSEMBLIES. THE SIZE OF VALVE BOX ASSEMBLY TO BE INSTALLED IS DETERMINED BY THE TYPE AND SIZE OF VALVE. VALVE BOX CAPS SHALL HAVE THE WORD "WATER".
- A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN PARALLEL WATER AND SANITARY SEWER LINES. WHEN IT IS NECESSARY FOR ANY WATER LINE TO CROSS A SANITARY SEWER LINE, THE SEWER LINE SHALL BE ENCASED IN CONCRETE OR CONSTRUCTED OF DUCTILE IRON PIPE OR PVC PIPE WITH NO JOINTS WITHIN 10 FEET OF THE CROSSING UNLESS THE WATER LINE IS AT LEAST 2 FEET CLEAR DISTANCE ABOVE THE SANITARY SEWER LINE.
- ALL WATER SERVICE INSTALLATIONS, INCLUDING BACKFLOW DEVICES, ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.
- EXCAVATION SHALL BE A MINIMUM OF 3½ FEET BY 4½ FEET AND THE MAIN MUST BE UNCOVERED ENTIRELY AROUND. TUNNELING TO PROVIDE ACCESS FOR TAP IS UNACCEPTABLE.

**NOTES:**

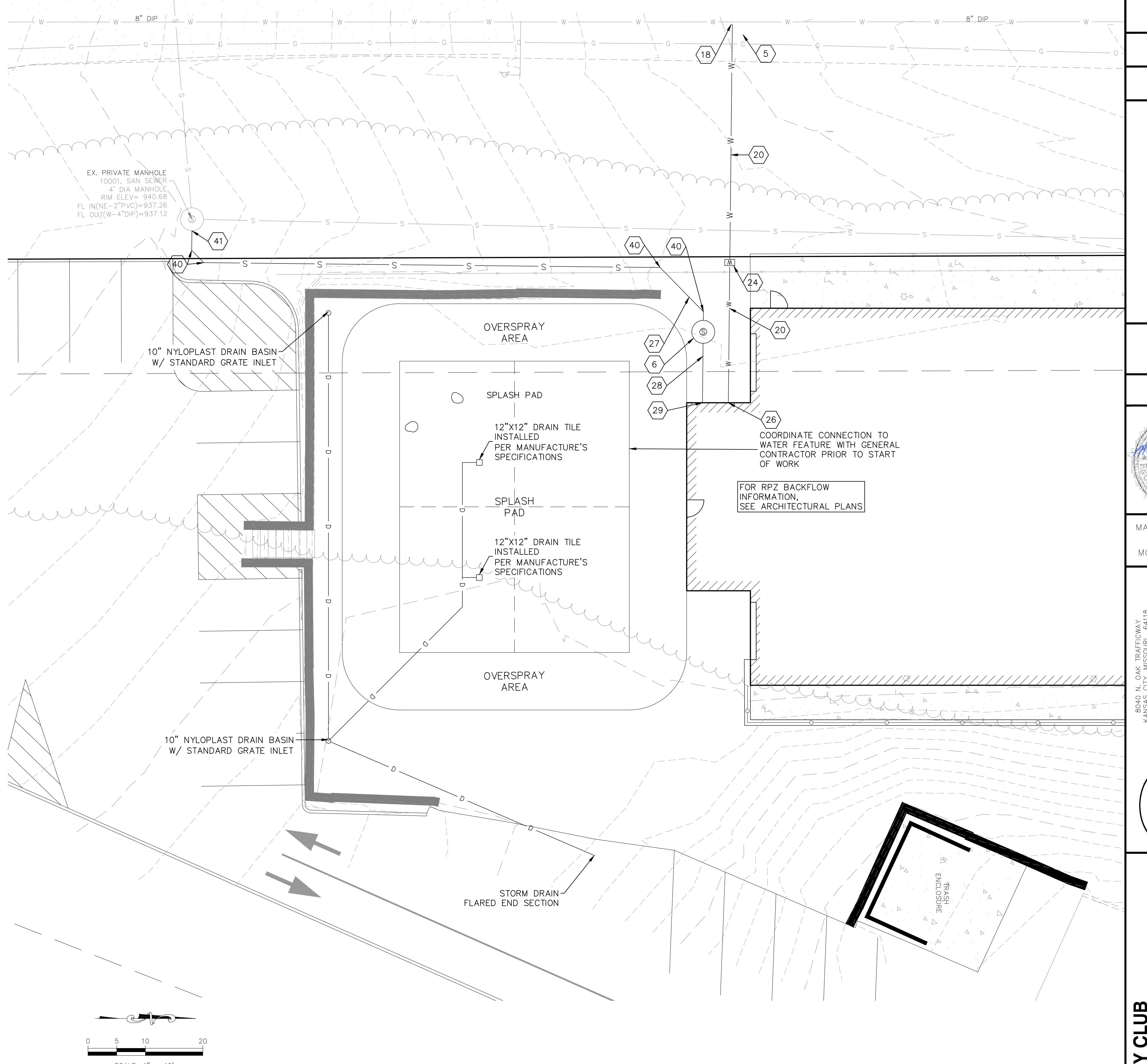
- 5 STREET CUT RESTORATION PER KCMO DETAIL SR-1
- 6 INSTALL 4' DIA MANHOLE PER APWA DETAIL MH-1 WITH E/ONE DH152 GRINDER PUMP
- 10 INSTALL 8"x8"x6" DIP TEE
- 12 INSTALL 8" GATE VALVE
- 13 INSTALL 8" SOLID SLEEVE
- 14 INSTALL 6" GATE VALVE
- 18 BRANCH SERVICE CONNECTION
- 19 INSTALL 6"x3" REDUCER
- 20 INSTALL 3" DUCTILE IRON WATER LINE
- 24 INSTALL 3" METER WITH PIT PER KC WATER DRAWING NO. 6209
- 25 3" DUCTILE IRON WATER LINE (MINIMUM LENGTH = 5.0')
- 26 POINT OF CONNECTION - 3" WATER SERVICE LINE TO BUILDING (SEE ARCHITECTURAL PLANS FOR CONTINUATION)
- 27 INSTALL 98.2 LF OF 2" SDR 26 SANITARY SEWER SERVICE LINE
- 28 INSTALL 10.3 LF OF 4" SDR 35 PVC
- 29 POINT OF CONNECTION - 4" PVC SAN SERVICE LINE (SEE ARCHITECTURAL PLANS FOR CONTINUATION)
- 40 INSTALL 2" X 45° PVC BEND
- 41 CONNECT TO EXISTING SAN MH



**WATERLINE SCHEMATIC**

N.T.S.

**NOTE:**  
ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATIONS AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.

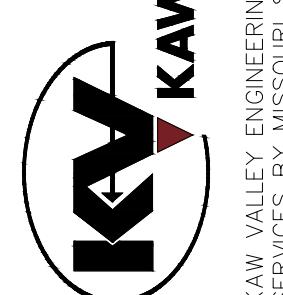


LEGEND	
E	UNDERGROUND ELECTRIC LINE
OU	OVERHEAD UTILITY LINE
S	SAN SEWER LINE
W	WATER LINE

**OAKRIDGE FAMILY CLUB**  
5330 NE OAK RIDGE DRIVE  
KANSAS CITY, MO

**DEVELOPMENT PLAN**  
**UTILITY PLAN**

8040 N OAK TRAFFICWAY  
KANSAS CITY, MISSOURI 64118  
Ph. (816) 468-5458  
kc@kveng.com www.kveng.com

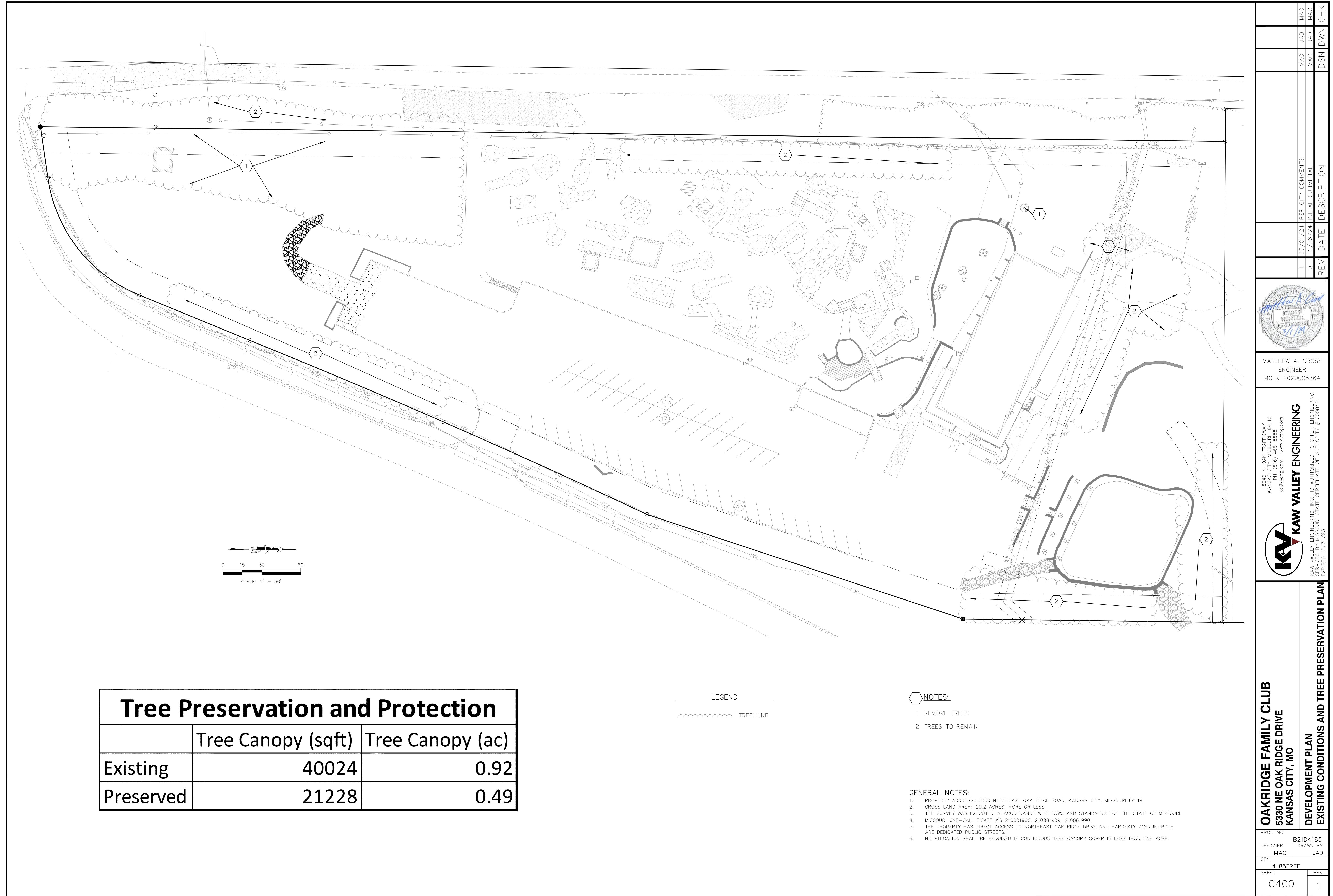


KAW VALLEY ENGINEERING

SERVICES BY STATE CERTIFICATE OF AUTHORITY # 000842

EXPIRES 12/31/23

PROJ. NO.	B21D4185
DESIGNER	JAD
CFN	4185UP
SHEET	C302
REV	1





**Oak Ridge Family Social Club  
Concessions / Storage Building**  
 5330 NE Oak Ridge Dr  
 Kansas City, MO
**EXTERIOR ELEVATIONS**
 5330 Oak Ridge  
 Realty LLC  
 6051 N Chestnut Ave  
 Kansas City, MO 64119

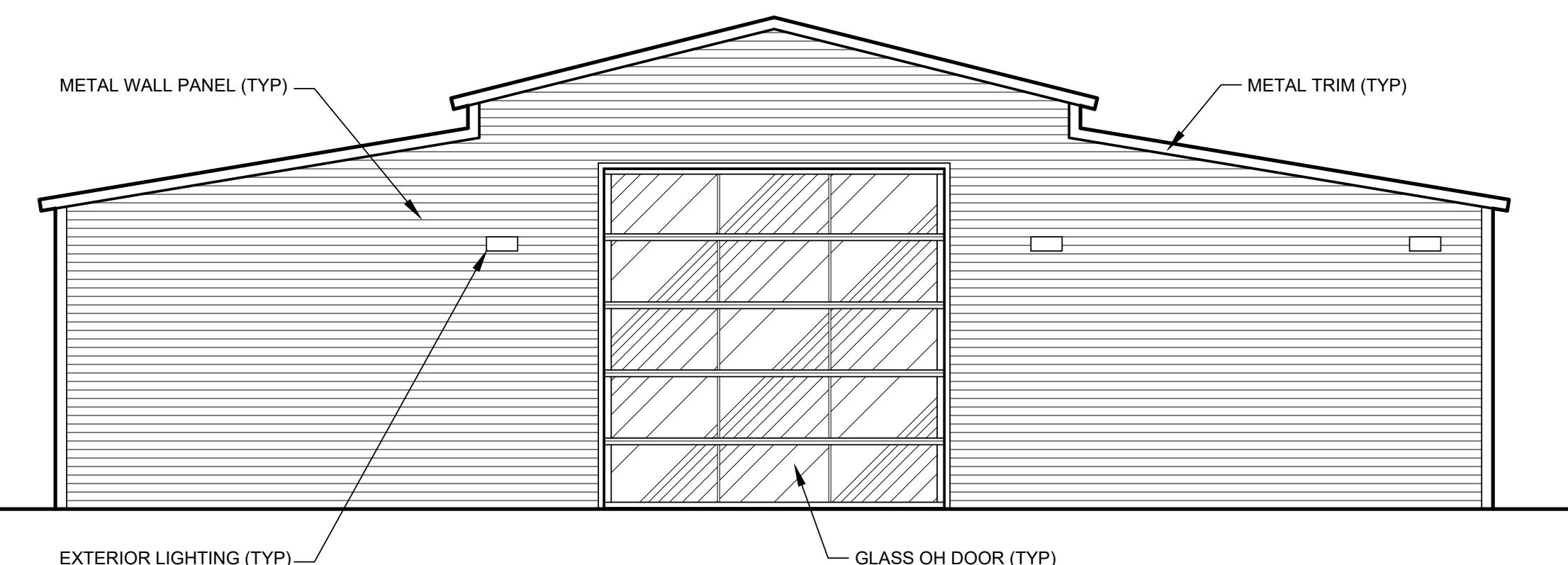
 REVISONS SOURCE  
 # BY DATE

 DATE: 08.26.22  
 DESIGNED BY: KAW  
 DRAWN BY: JDE  
 APPROVED BY: KAW

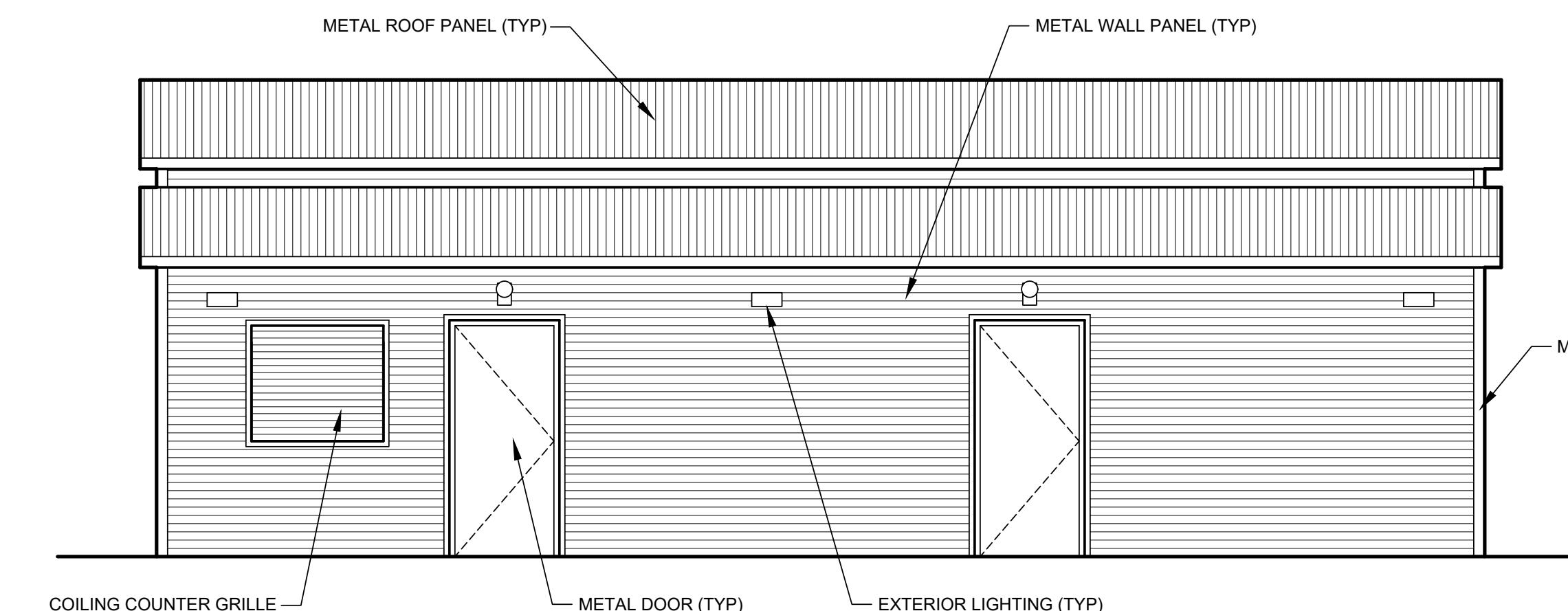
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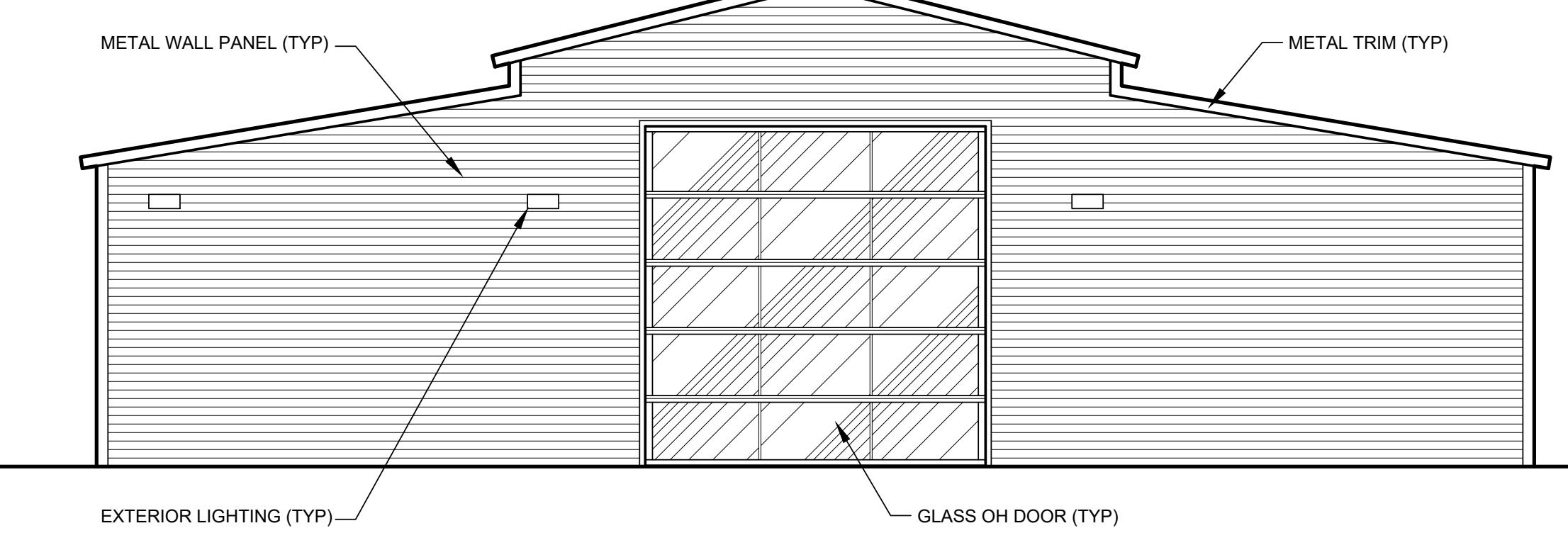
JOB NUMBER

**5847-22****M1** EXTERIOR ELEVATION - SOUTH

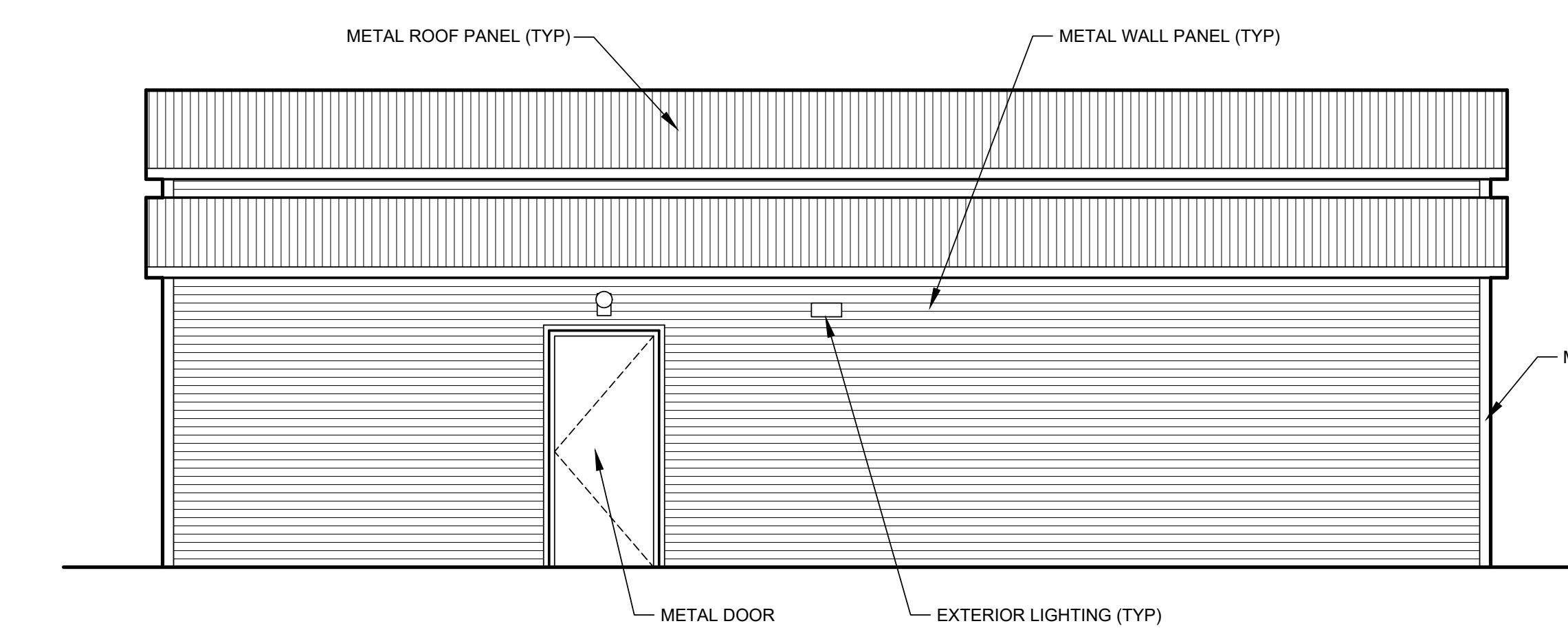
SCALE: 1/4" = 1'-0"

**M11** EXTERIOR ELEVATION - EAST

SCALE: 1/4" = 1'-0"

**G1** EXTERIOR ELEVATION - NORTH

SCALE: 1/4" = 1'-0"

**G11** EXTERIOR ELEVATION - WEST

SCALE: 1/4" = 1'-0"



KATHLEEN ANN WARMAN - ARCHITECT  
MO # A-5819

**Oak Ridge Family Social Club**  
**Splash Pad Restrooms**  
5330 NE Oak Ridge Dr  
Kansas City, MO

**EXTERIOR ELEVATIONS**

**5330 Oak Ridge**  
**Realty LLC**  
6051 N Chestnut Ave  
Kansas City, MO 64119

REVISIONS SOURCE

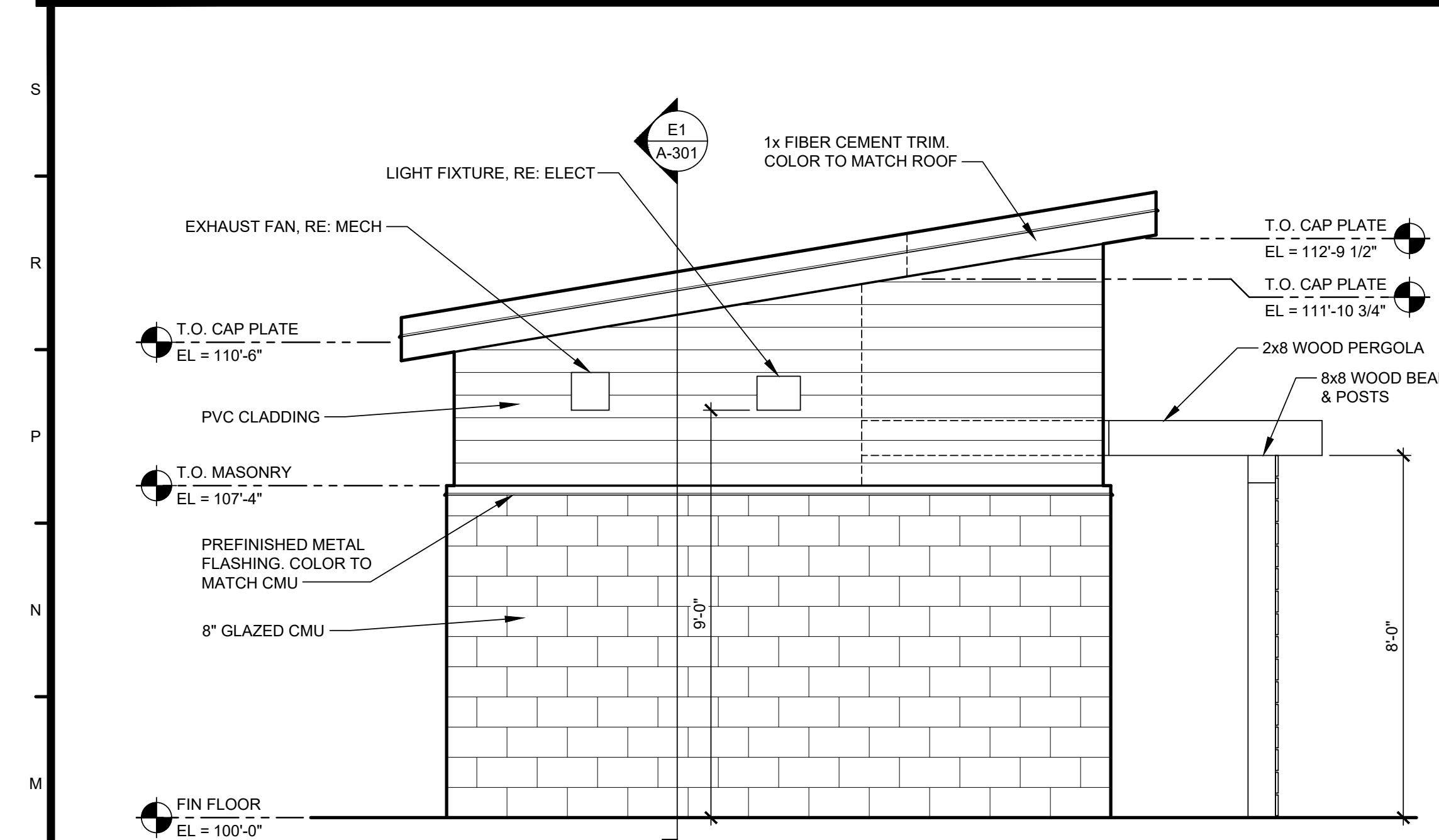
#	BY	DATE
DATE:	04.11.2023	
DESIGNED BY:	KAW	
DRAWN BY:	JDE	
APPROVED BY:	KAW	

SHEET NUMBER

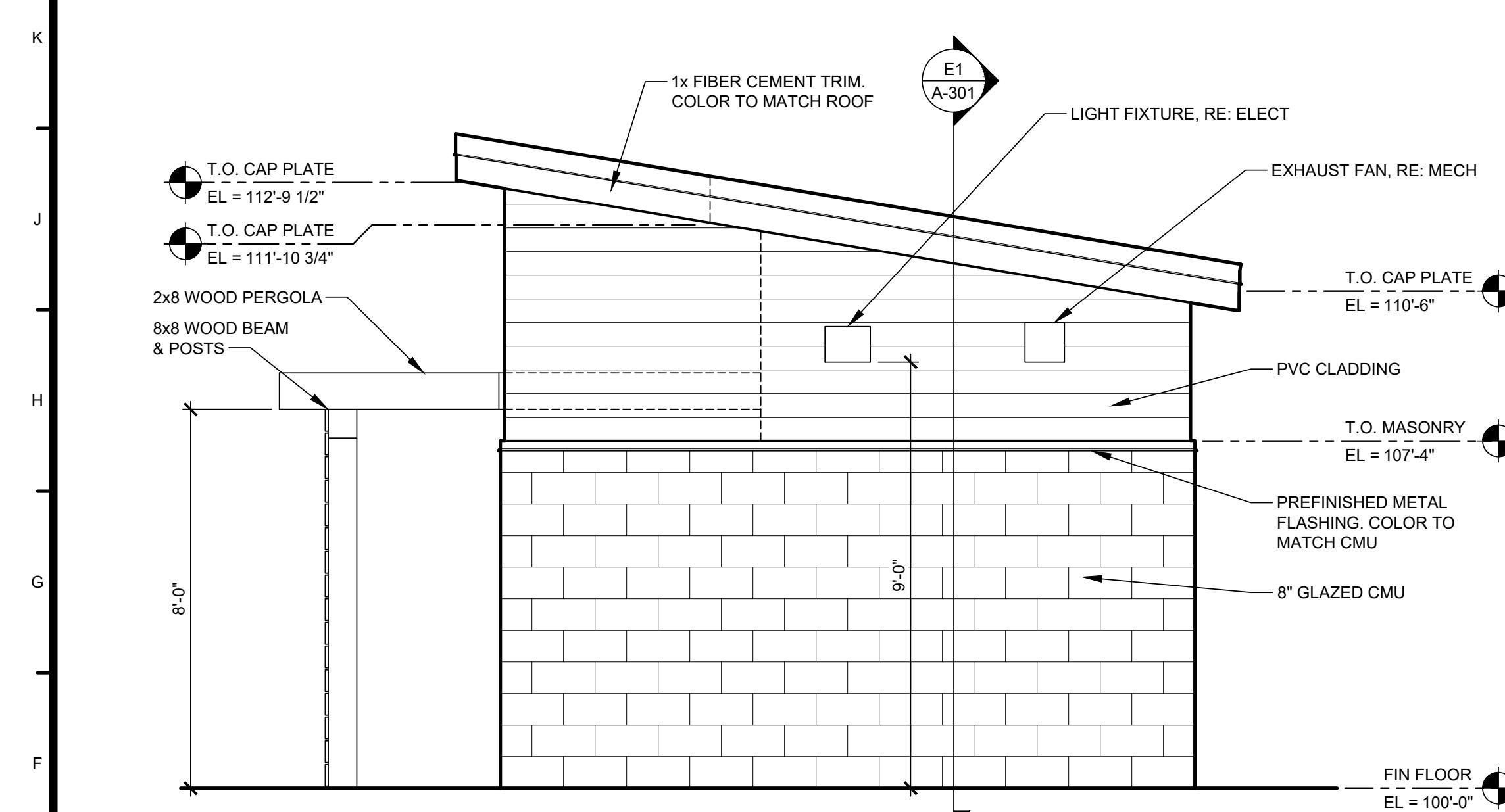
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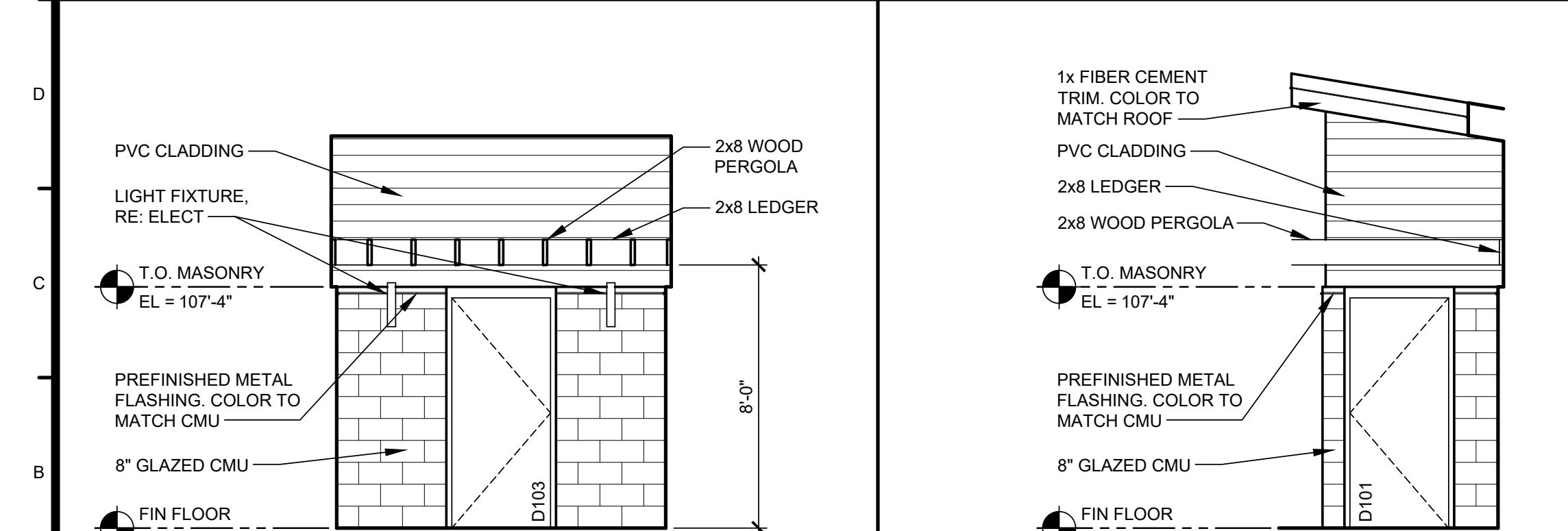
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**L1 EXTERIOR ELEVATION - NORTH**

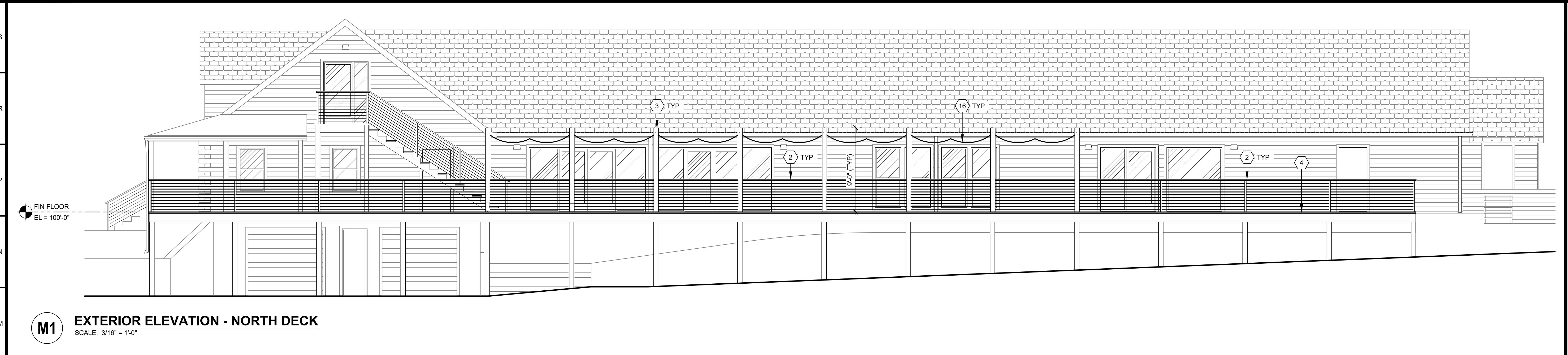


**E1 EXTERIOR ELEVATION - SOUTH**



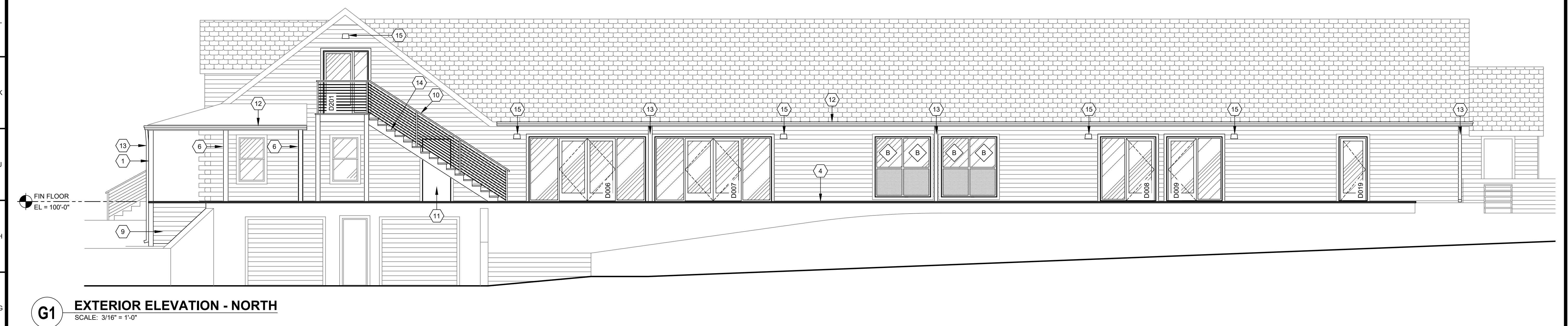
**A1 EXTERIOR ELEVATION - WEST**

SCALE: 1/4" = 1'-0"



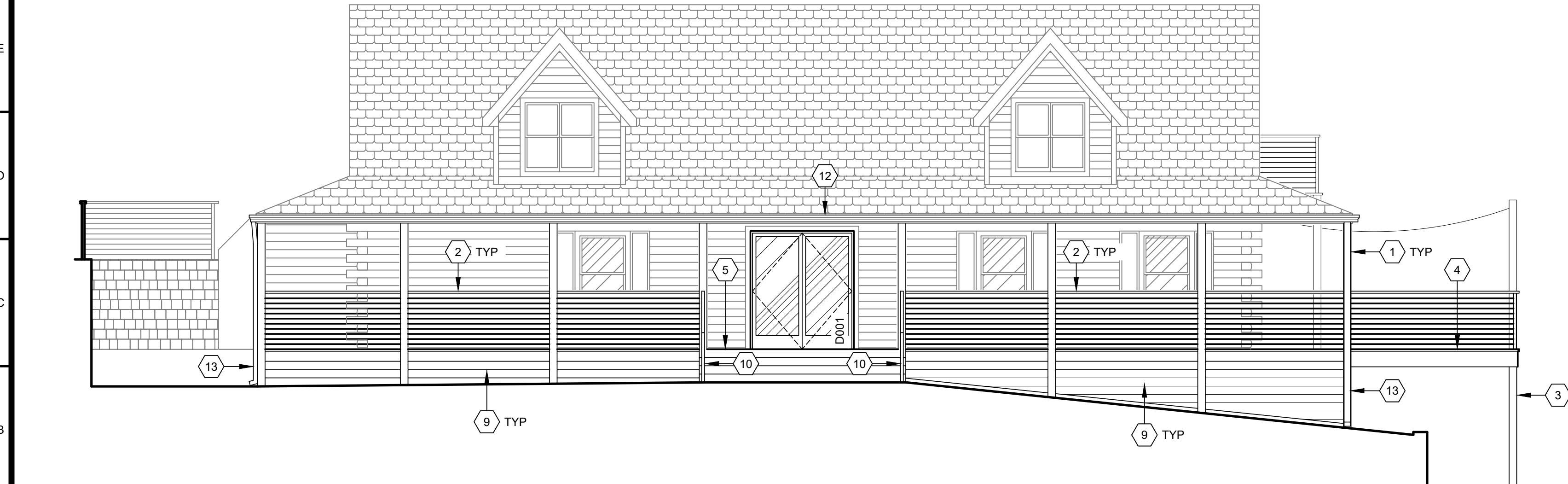
# M1 EXTERIOR ELEVATION - NORTH DECK

SCALE: 3/16" = 1'



**G1** EXTERIOR ELEVATION - NORTH

SCALE: 3/16" = 1'



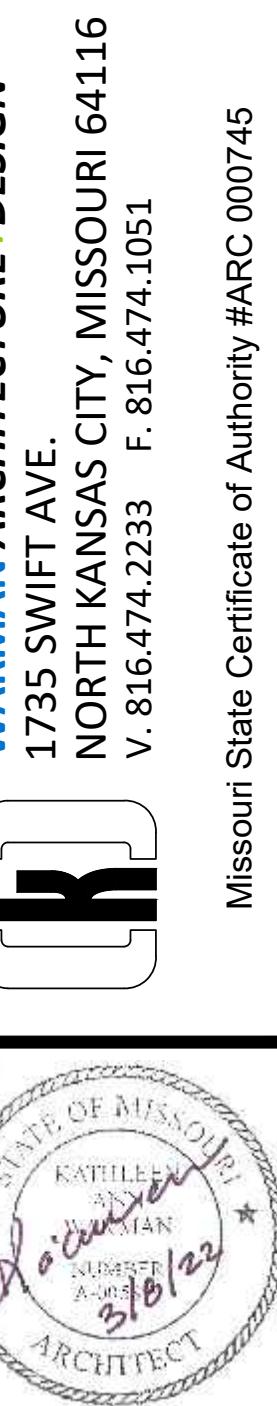
## A1 EXTERIOR ELEVATION - EAST

SCALE: 3/16" = 1'

 SHEET KEYNOTES

1. REPLACE EXISTING WOOD PORCH POST WITH NEW.
  2. NEW GUARDRAIL WITH CABLE INFILL.
  3. NEW DECK POST. SEE STRUCTURAL DRAWINGS.
  4. NEW 1x6 CEDAR WOOD DECK. SEE STRUCTURAL DRAWINGS FOR FRAMING.
  5. REPLACE EXISTING CEDAR WOOD PORCH. CONTRACTOR TO REPLACE EXISTING FRAMING AS REQUIRED.
  6. NEW PORCH ROOF POST.
  7. NEW STAIR LANDING POST. SEE STRUCTURAL DRAWINGS.
  8. INFILL EXISTING DOOR OPENING.
  9. NEW 1x6 CEDAR PLANK.
  10. STAIR HANDRAIL WITH CABLE INFILL. SEE PARAMETERS A-202.
  11. INFILL EXISTING DOOR OPENING.
  12. NEW PREFINISHED METAL GUTTER.
  13. NEW PREFINISHED METAL DOWNSPOUT.
  14. NEW WOOD STAIR. SEE G1/A-202.
  15. LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
  16. STRING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
  17. 1x6 CEDAR PLANK. WALL TYPE 'S9'. SEE L1/A-102.
  18. OUTLINE DOOR BEYOND.

500.21



KATHLEEN ANN WARMAN - ARCHITECT  
MO # A-5819

Oak Ridge Family Social Club  
5330 NE Oak Ridge Dr  
Kansas City, MO

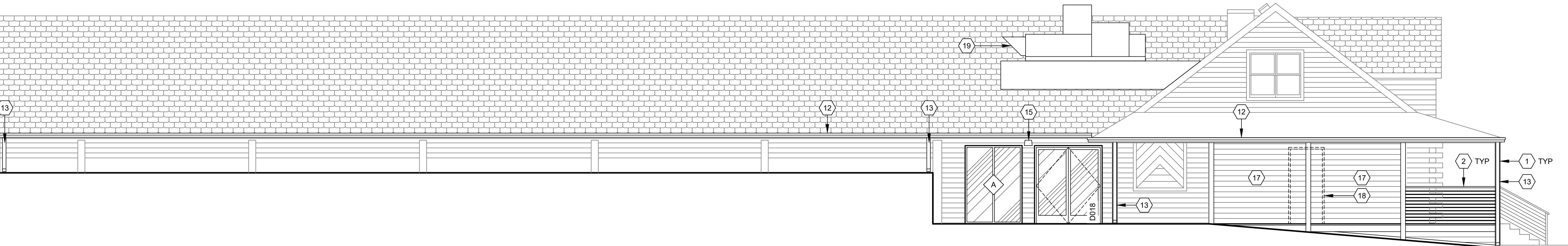
EXTERIOR ELEVATIONS

5330 Oak Ridge  
Realty LLC  
6051 N Chestnut Ave  
Kansas City, MO 64119

REVISIONS SOURCE  
# BY DATE

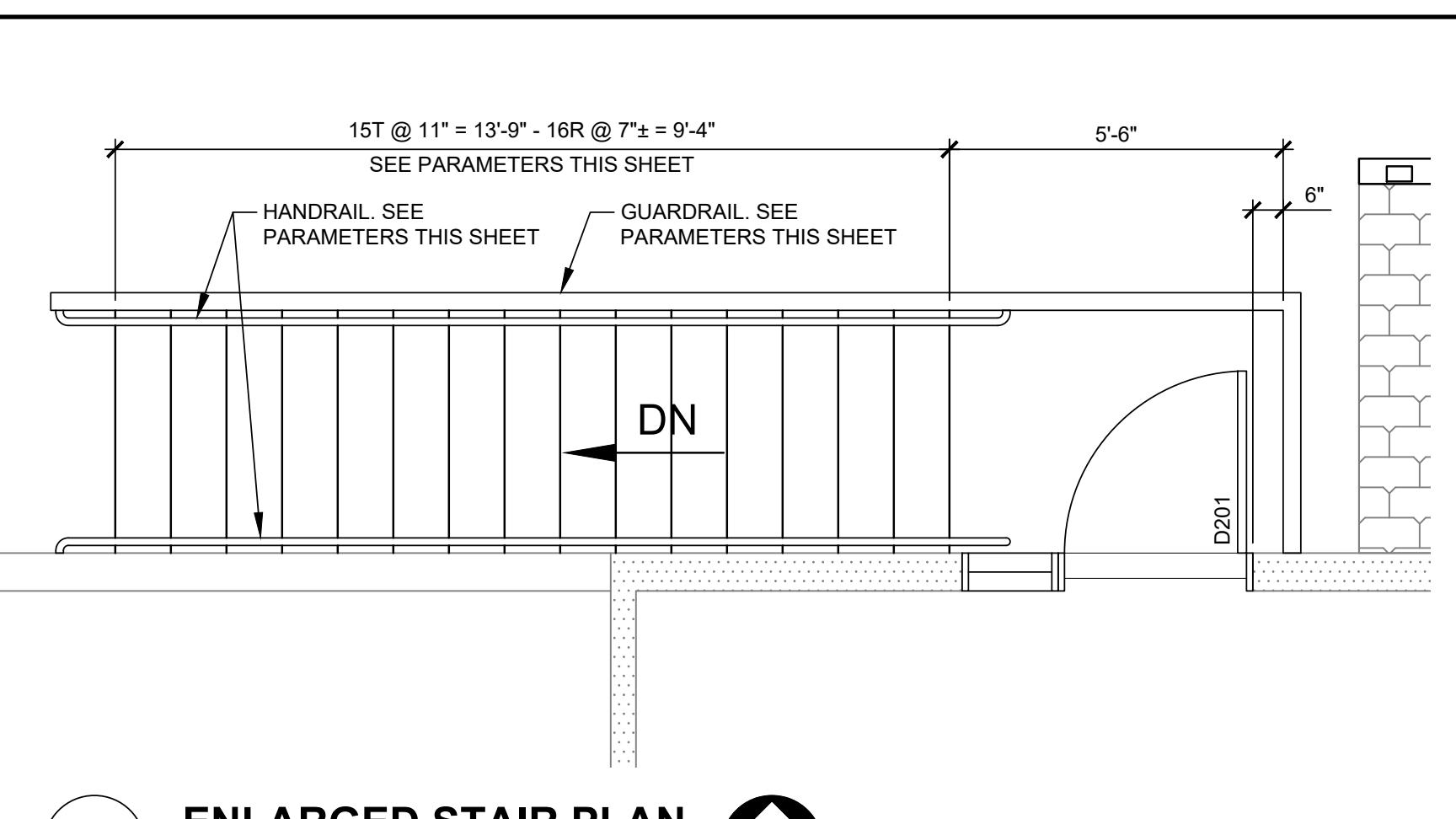
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APPROVED BY: KAW  
SHEET NUMBER

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JOB NUMBER  
5631-21



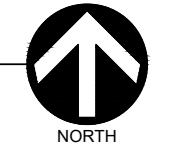
M1 EXTERIOR ELEVATION - SOUTH

SCALE: 3/16" = 1'-0"



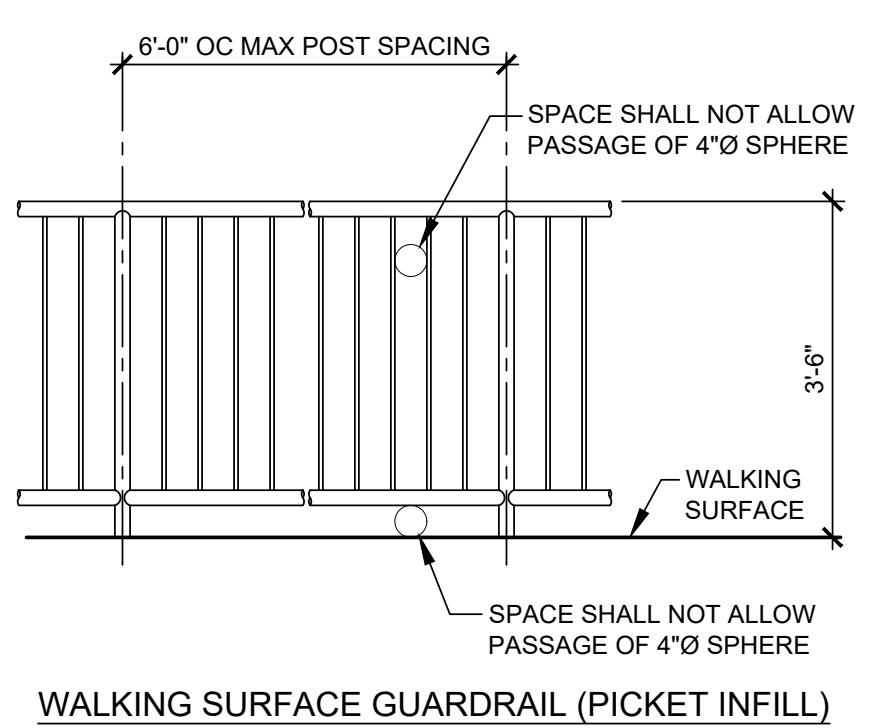
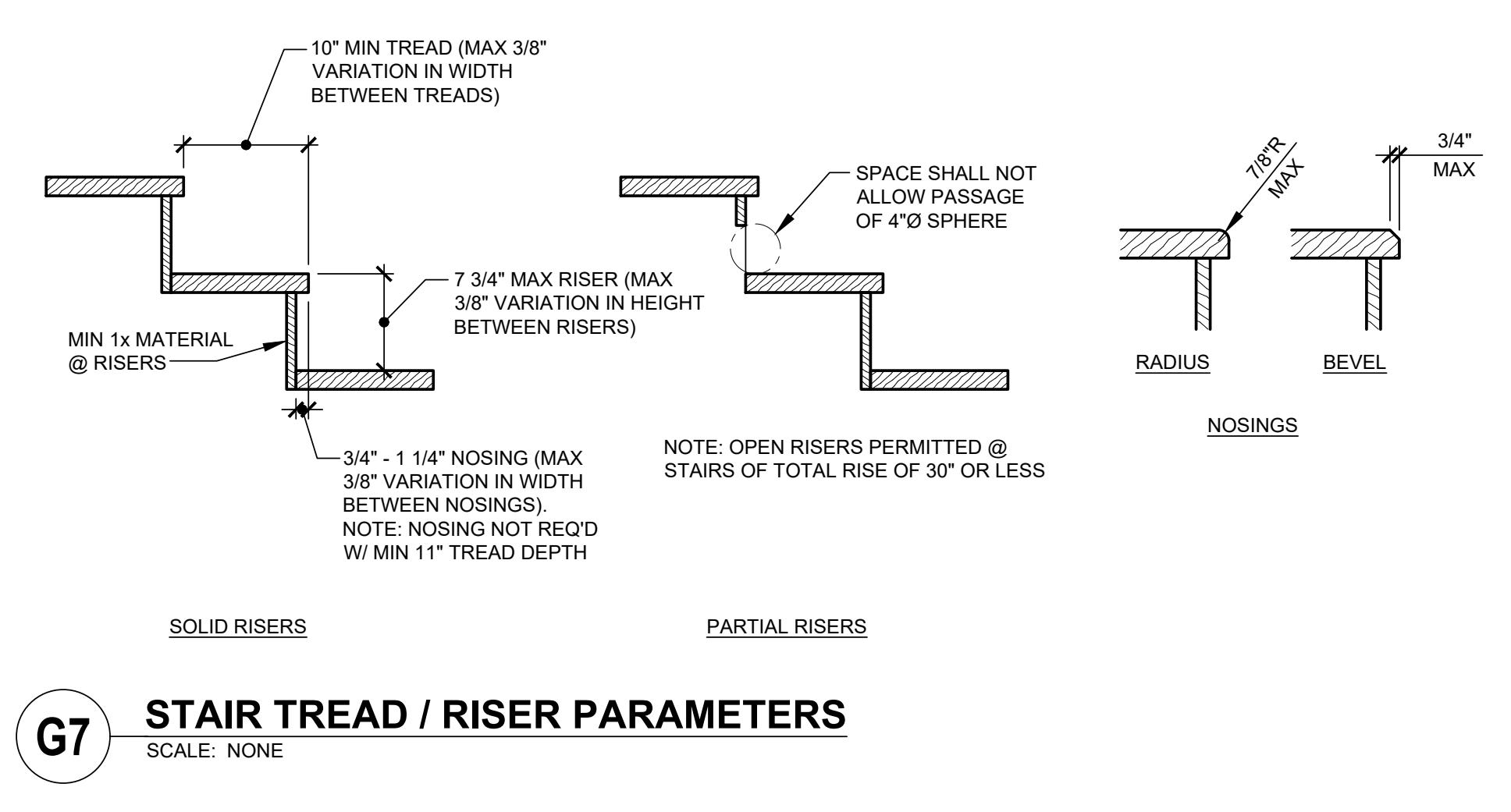
G1 ENLARGED STAIR PLAN

SCALE: 3/8" = 1'-0"

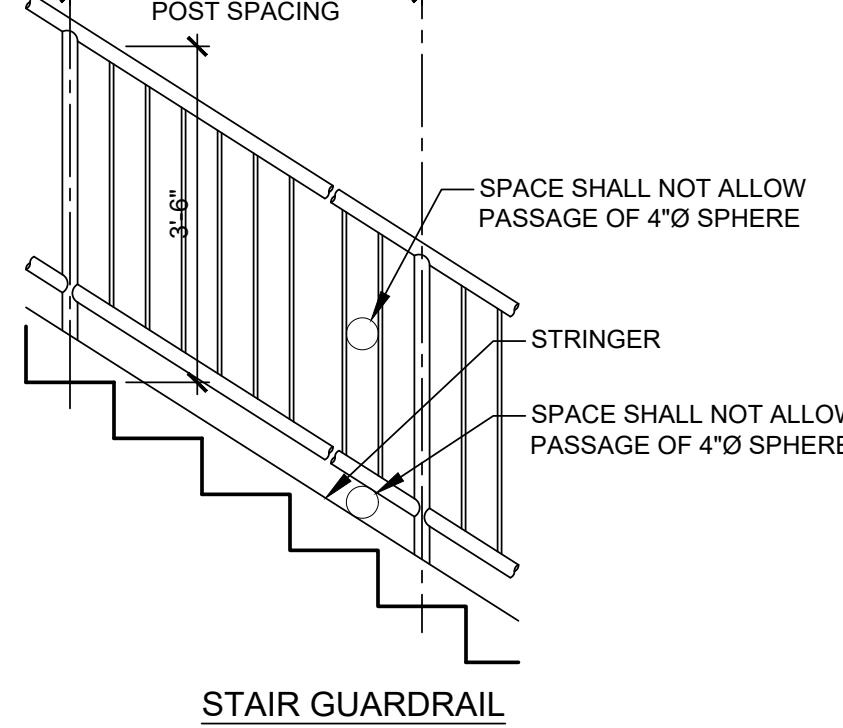


G7 STAIR TREAD / RISER PARAMETERS

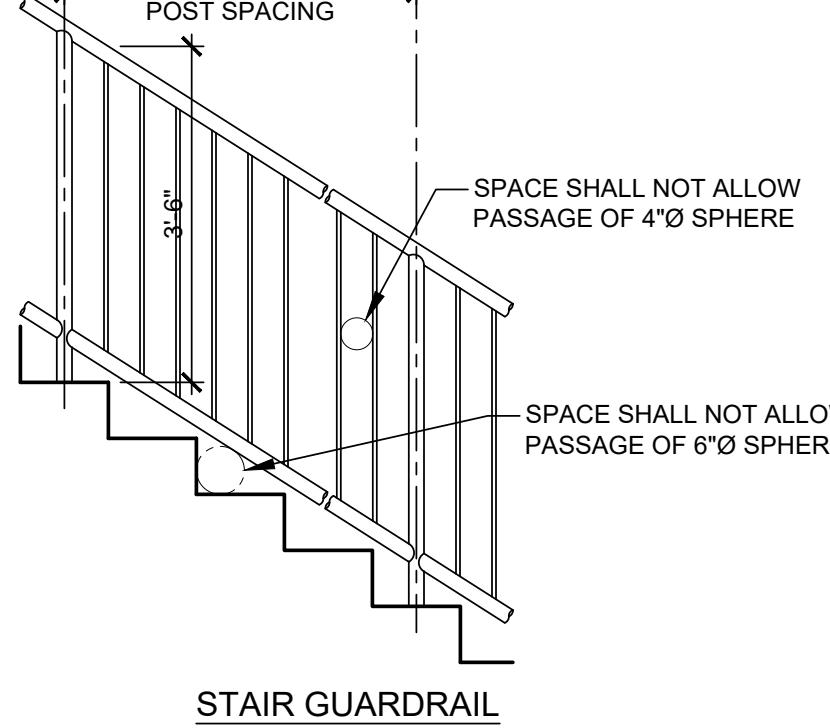
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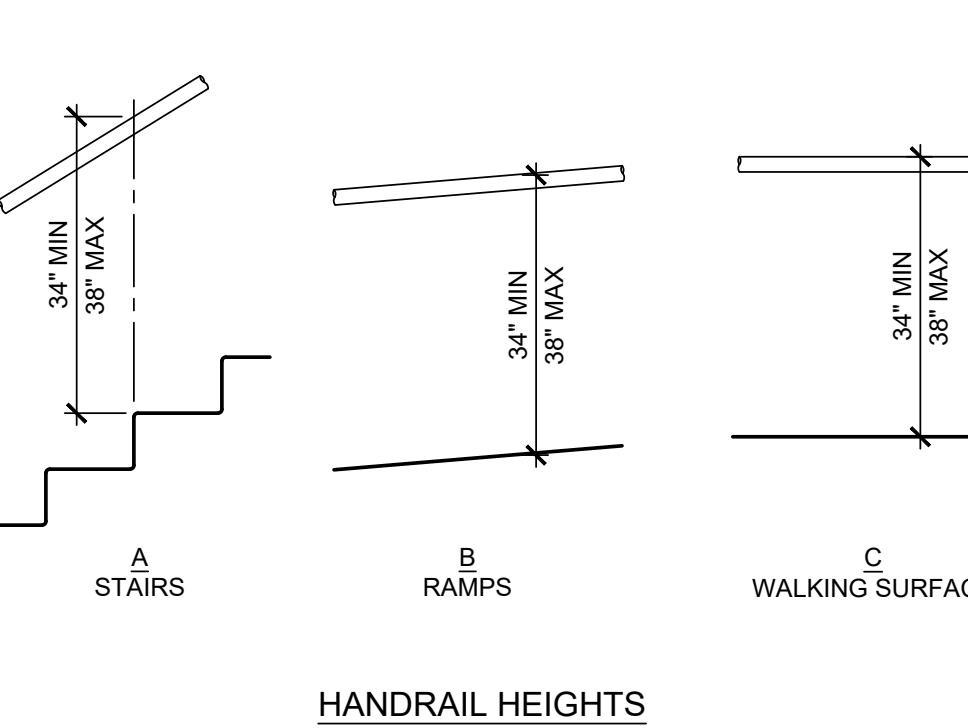
WALKING SURFACE GUARDRAIL (PICKET INFILL)



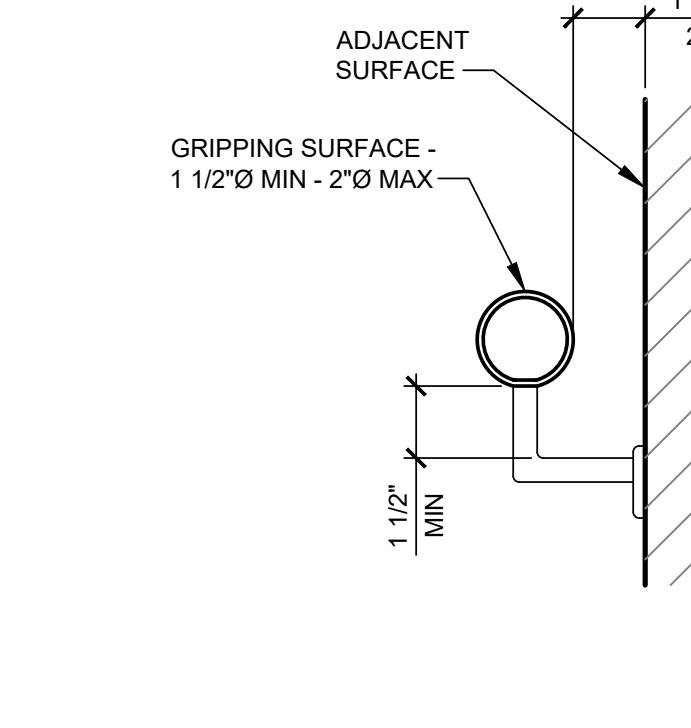
STAIR GUARDRAIL  
(CLOSED STRINGER - PICKET INFILL)



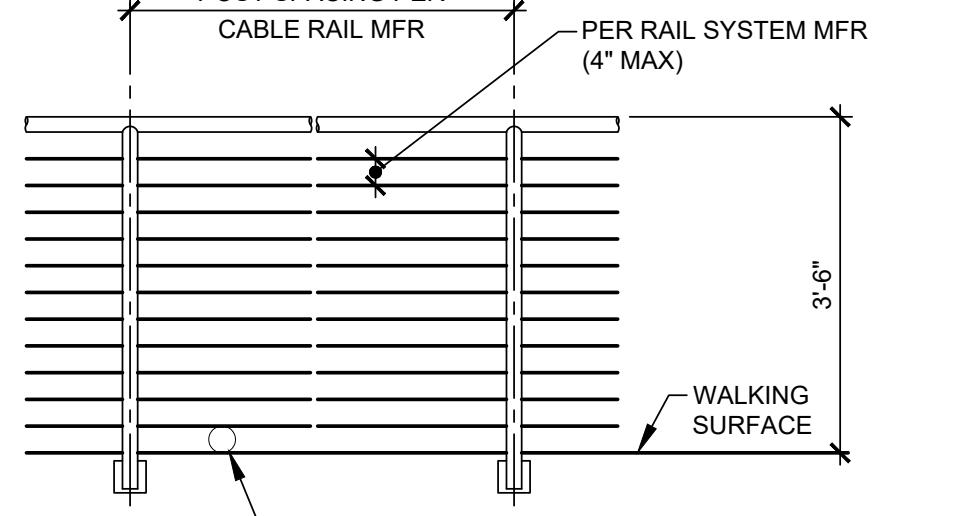
STAIR GUARDRAIL  
(OPEN STRINGER - PICKET INFILL)



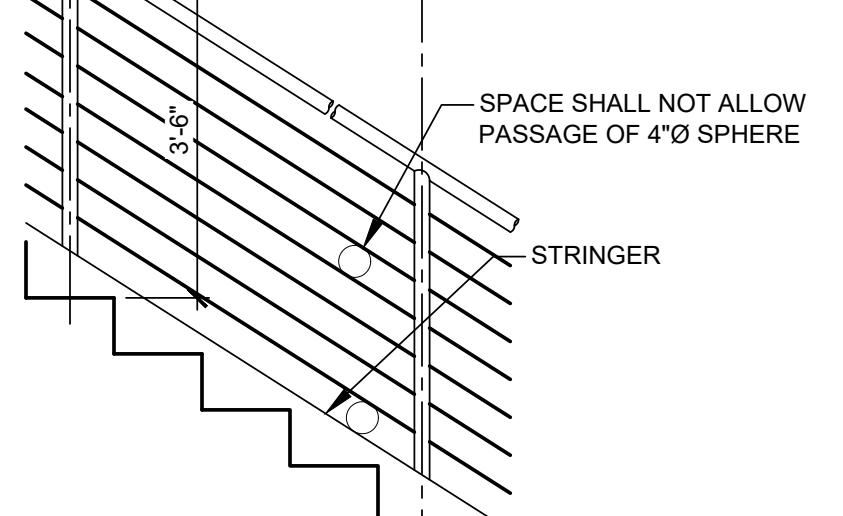
HANDRAIL HEIGHTS



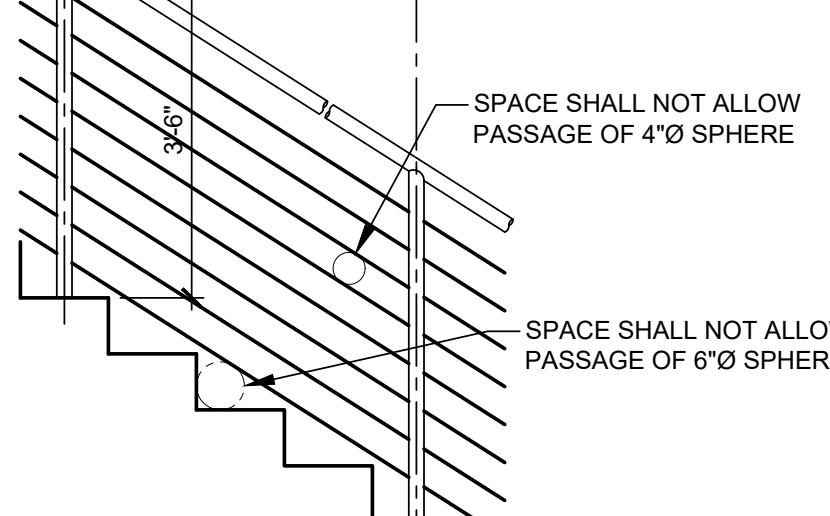
HANDRAIL CLEARANCE



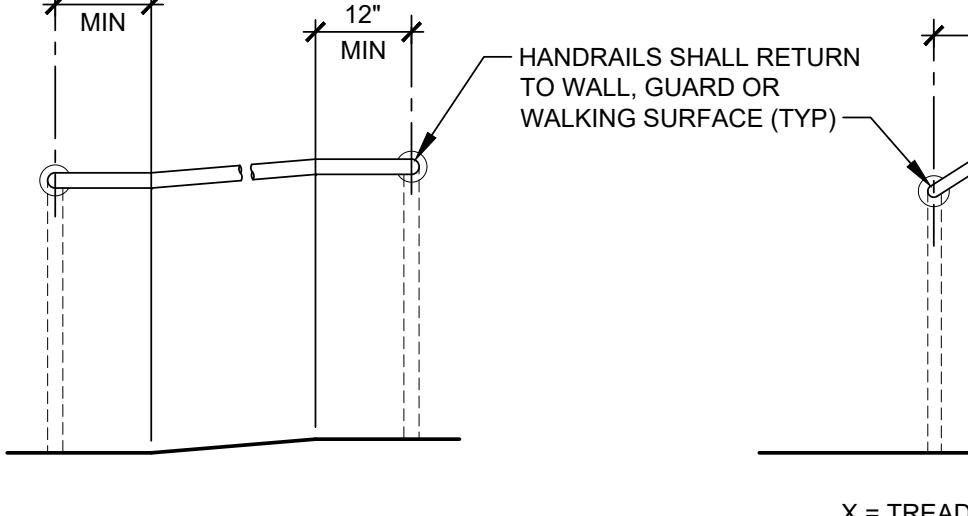
WALKING SURFACE GUARDRAIL (CABLE INFILL)



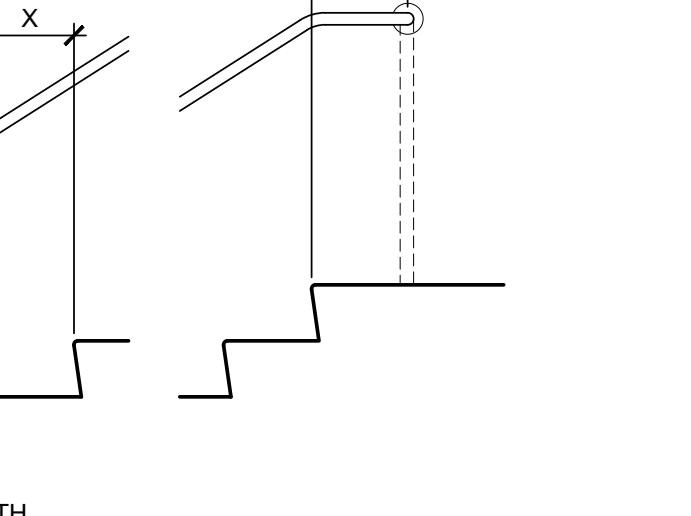
STAIR GUARDRAIL  
(CLOSED STRINGER - CABLE INFILL)



STAIR GUARDRAIL  
(OPEN STRINGER - CABLE INFILL)



HANDRAIL EXTENSIONS



X - TREAD DEPTH  
B - BOTTOM OF STAIR  
C - TOP OF STAIR

A1 GUARDRAIL / HANDRAIL DESIGN PARAMETERS

SCALE: NONE

KEYNOTES

1. REPLACE EXISTING WOOD PORCH POST WITH NEW.
2. NEW GUARDRAIL WITH CABLE INFILL.
3. NEW DECK POST. SEE STRUCTURAL DRAWINGS.
4. NEW 1x6 CEDAR WOOD DECK. SEE STRUCTURAL DRAWINGS FOR FRAMING.
5. REPLACE EXISTING CEDAR WOOD PORCH. CONTRACTOR TO REPLACE EXISTING FRAMING AS REQUIRED.
6. NEW PORCH ROOF POST.
7. NEW STAIR LANDING POST. SEE STRUCTURAL DRAWINGS.
8. INFILL EXISTING DOOR OPENING.
9. NEW 1x6 CEDAR PLANK.
10. STAIR HANDRAIL WITH CABLE INFILL. SEE PARAMETERS THIS SHEET.
11. INFILL EXISTING DOOR OPENING.
12. NEW PREFINISHED METAL GUTTER.
13. NEW PREFINISHED METAL DOWNSPOUT.
14. NEW WOOD STAIR. SEE THIS SHEET.
15. LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
16. STRING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
17. 1x6 CEDAR PLANK. WALL TYPE 'S9'. SEE L1/A-102.
18. OUTLINE DOOR BEYOND.
19. NEW ROOF TOP EQUIPMENT & PLATFORM. SEE MECH & STRUCT.

## ELECTRICAL LIGHTING SCHEDULE (OR EQUAL, VERIFY ALL SELECTIONS AND FINISHES WITH OWNER AND ARCHITECT PRIOR TO ORDERING).

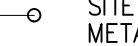
Fixture Type	Manufacturer	Volt Amps	Mounting	Lamp Type	Remarks	Volt
Name	Series					
S1	LITHONIA	RSXF3-LED-P3-30K-AWFD	266	20' POLE	INCLUDED LED	MINI-GOLF AREA LED LIGHT - 3000K - "S1-BV" = PROVIDE WITH BOTTOM VISOR - 480V/1PH
S2	LITHONIA	RSX4-LED-P4-40K-R3	431	30' POLE	INCLUDED LED	PARKING LOT LED LIGHT - 4000K - WITH PHOTOCELL - "S2-HS" = PROVIDE WITH HOUSE-SIDE SHIELD - 480V/1PH
S3	LITHONIA	RSX4-LED-P4-40K-R4	546	25' POLE	INCLUDED LED	COURT AREA LED LIGHT - 4000K - "S3-HS" = PROVIDE WITH HOUSE SIDE SHIELD - 480V/1PH
						480V

Luminaire Schedule				
Tag	Description	LLF	Luminaire Lumens	Luminaire Watts
S3	RSX4 LED P6 40K R4	0.800	69620	545.6631
S3_HS	RSX4 LED P6 40K R4 HS	0.800	45651	545.66
S2_HS	RSX4 LED P4 40K R3 HS	0.800	38843	430.62
S2	RSX4 LED P4 40K R3	0.800	55423	430.6189
S1_BV	RSXF3 LED P3 30K AWFD BV	0.800	30325	266.818
S1	RSXF3 LED P3 30K AWFD	0.800	32409	266.82

Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Entry Triangle	Fc	22.64	45.7	4.3	10.63
Mini-Golf Course	Fc	11.03	64.5	0.3	215.00
North Courts	Fc	35.95	52.3	15.1	3.46
North Courtyard	Fc	15.90	54.4	0.9	60.44
Parking Lot	Fc	11.07	29.7	0.5	59.40
Parking Lot 2	Fc	4.48	10.2	0.6	17.00
Property Line	Fc	1.56	5.6	0.0	N.A.
South Drive	Fc	2.93	9.7	0.5	19.40
Splash Pad	Fc	16.16	35.9	7.8	4.60

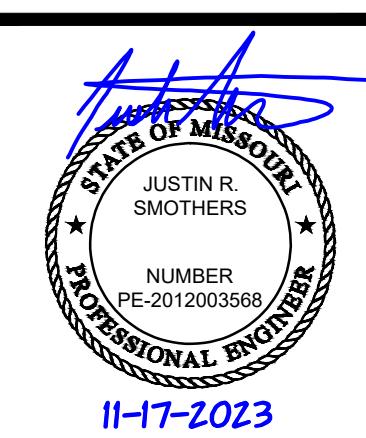
## SYMBOLS LEGEND

NOTE: THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ETC, ARE NECESSARILY USED ON THE DRAWINGS.

 SITE LIGHTING FIXTURE - TYPE AND MOUNTING HEIGHT PER SITE PLAN. PROVIDE WITH METAL SITE POLE FOR MOUNTING ACCORDING TO DESIGN INTENT UNLESS NOTED OTHERWISE.

## GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE SECTION 2800 AND 5800 OF THE STREET LIGHTING OF KANSAS CITY METROPOLITAN CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, CONSTRUCTION & MATERIAL SPECIFICATION, AND ALL APPLICABLE KCMO SUPPLEMENTS.
- ALL ELECTRICAL/CONDUIT STREET CROSSINGS NEED TO BE BACKFILLED WITH AB-3 OR FLOWABLE FILL IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.



**Oak Ridge Family Social Club**  
5330 NE Oak Ridge  
Kansas City, MO

**5330 Oak Ridge Realty LLC**  
6051 N Chestnut Ave  
Kansas City, MO 64119

REVISIONS SOURCE

DATE: 11.17.2023  
DESIGNED BY: JSC  
DRAWN BY: JSC  
APPROVED BY: JRS

SHEET NUMBER

**E-001**

JOB NUMBER

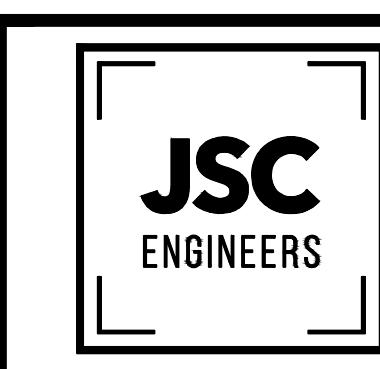
**23-185**

## PARKING LOT PHOTOMETRIC PLAN

SCALE : 1" = 40'-0"



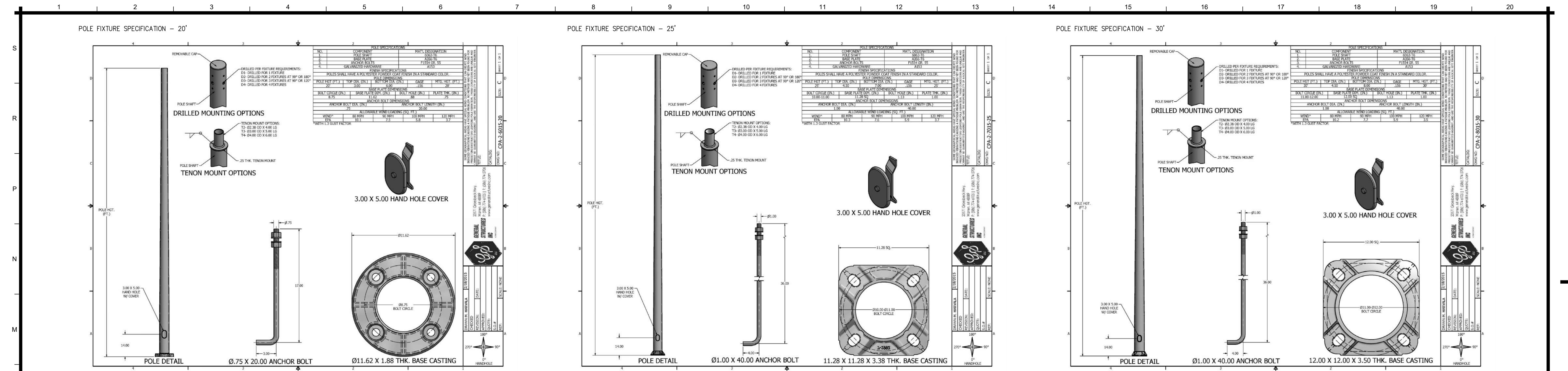
1



MO COA NO. 2012000786 / KS COA NO. E-2818  
1025 CENTRAL ST, SUITE 201  
KANSAS CITY, MO 64108  
phone: (816) 272-5389 | email: jsc@longeneers.com

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**WARMAN ARCHITECTURE+DESIGN**  
1735 SWIFT AVE.  
NORTH KANSAS CITY, MISSOURI 64116  
V.816.474.2233 F. 816.474.1051

Missouri State Certificate of Authority #ARC 000745

**Oak Ridge Family Social Club**  
5330 NE Oak Ridge  
Kansas City, MO

PHOTOMETRIC DETAILS AND SPECIFICATIONS

**5330 Oak Ridge Realty LLC**  
6051 N Chestnut Ave  
Kansas City, MO 64119

REVISIONS SOURCE

DATE: 11.17.2023  
DESIGNED BY: JSC  
DRAWN BY: JSC  
APPROVED BY: JRS

SHEET NUMBER

**E-002**

JOB NUMBER  
**23-185**

LIGHT FIXTURE SPECIFICATION - 'S1'



**RSXF3 LED**  
Floodlight



Specifications

EPA (ft <sup>2</sup> /45°):	3.7 ft <sup>2</sup> (0.3 m <sup>2</sup> )
Length:	32.8" (83.3 cm)
Width:	16.1" (40.9 cm)
Height:	3.0" (7.6 cm) Main Body 7.6" (19.3 cm) Arm Weight (max): 48 lbs (21.8 kg)

Ordering Information

EXAMPLE: RSXF3 LED P4 40K WFL MVOLT IS DDBDX

RSXF3 LED	Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSXF3 LED	P1	30K	3000K	AWFD	Aero Wide Forward	MVOLT (120V-277V) WFL (120V-277V) MVOLT (120V-277V) WFL (120V-277V)
	P2	40K	4000K	WFL	Wide Flood	AASP Adjustable tilt arm square pole mounting
	P3	50K	5000K	MFL	Medium Flood	AASP Adjustable tilt arm round pole mounting
	P4			NFL	Narrow Flood	AASP Adjustable tilt arm with wall bracket <sup>1</sup>
	SP			SP	Spot	AHWB Adjustable tilt arm with wall bracket and surface conduit box
	NSP					

Options

Shipped Installed	Shipped Separately (requires some field assembly)	Finish
PE	Protocront, button style <sup>1,4</sup>	DBXDX Dark Bronze
PEX	Protocront external threaded, adjustable <sup>1,4</sup>	DBXLX Black
PER7	Seven-wire twist-lock receptacle only (no controls) BAA, BAA	DNAXD Natural Aluminum
CE34	Conduit entry 3/4" NPT (Qty 2)	DWDX White
SF	Single fuse (120, 277, 347) <sup>1</sup>	DBBTX Textured Dark Bronze
DF	Double fuse (208, 240, 480) <sup>1</sup>	DBLBD Textured Black
SPD20KV	20KV Surge pack (10KV standard)	DNATD Textured Natural Aluminum
FAO	Field adjustable output <sup>4</sup>	DWHGD Textured White
DIG	0-10V dimming control or flick of housing for external control (control status required) <sup>1,4</sup>	
FV	Ful-Visor (360° around light aperture)	
UVB	Upper/bottom visor	
BS	Bird spikes <sup>4</sup>	

LITHONIA  
LIGHTING.  
COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.acuitybrands.com](http://www.acuitybrands.com)  
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Lithonia RSXF3 Flood LED  
Rev. 11/12/21  
Page 1 of 8

LIGHT FIXTURE SPECIFICATION - 'S2', 'S3'



**RSX4 LED**  
Area Luminaire



Specifications

EPA (ft <sup>2</sup> /45°):	0.69 ft <sup>2</sup> (0.07 m <sup>2</sup> )
Length:	30.9" (78.5 cm) (SPA mount)
Width:	25.0" (63.5 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm Weight (max): 65 lbs (29.5 kg)

Ordering Information

EXAMPLE: RSX4 LED P4 40K R3 MVOLT SPA DDBDX

RSX4 LED	Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX4 LED	P1	30K	3000K	SPA	SPA	SPA pole mounting for 30" dia. for 18" min. dia. at 180°
	P2	40K	4000K	R3	120V	SPA Required for mounting RSX4 in 30" dia. for 18" min. dia. at 180°
	P3	50K	5000K	R4	120V	SPA Required for mounting RSX4 in 30" dia. for 18" min. dia. at 180°
	P4			R5	120V	SPA Required for mounting RSX4 in 30" dia. for 18" min. dia. at 180°
	P5			R6	120V	SPA Required for mounting RSX4 in 30" dia. for 18" min. dia. at 180°
	P6			RSS	208 <sup>1</sup>	SPA Required for mounting RSX4 in 30" dia. for 18" min. dia. at 180°

Options

Shipped Installed	Shipped Separately	Finish
HS	House side shield <sup>1</sup>	DBDXD Dark Bronze
PE	Protocront, button style <sup>1,4</sup>	DBLBD Black
PER7	Seven-wire twist-lock receptacle only (no controls) BAA, BAA	DNAXD Natural Aluminum
CE34	Conduit entry 3/4" NPT (Qty 2)	DWDX White
SF	Single fuse (120, 277, 347) <sup>1</sup>	DBBTX Textured Dark Bronze
DF	Double fuse (208, 240, 480) <sup>1</sup>	DBLBD Textured Black
SPD20KV	20KV Surge pack (10KV standard)	DNATD Textured Natural Aluminum
FAO	Field adjustable output <sup>4</sup>	DWHGD Textured White
DIG	0-10V dimming control or flick of housing for external control (control status required) <sup>1,4</sup>	
FV	Ful-Visor (360° around light aperture)	
UVB	Upper/bottom visor	
BS	Bird spikes <sup>4</sup>	

LITHONIA  
LIGHTING.  
COMMERCIAL OUTDOOR

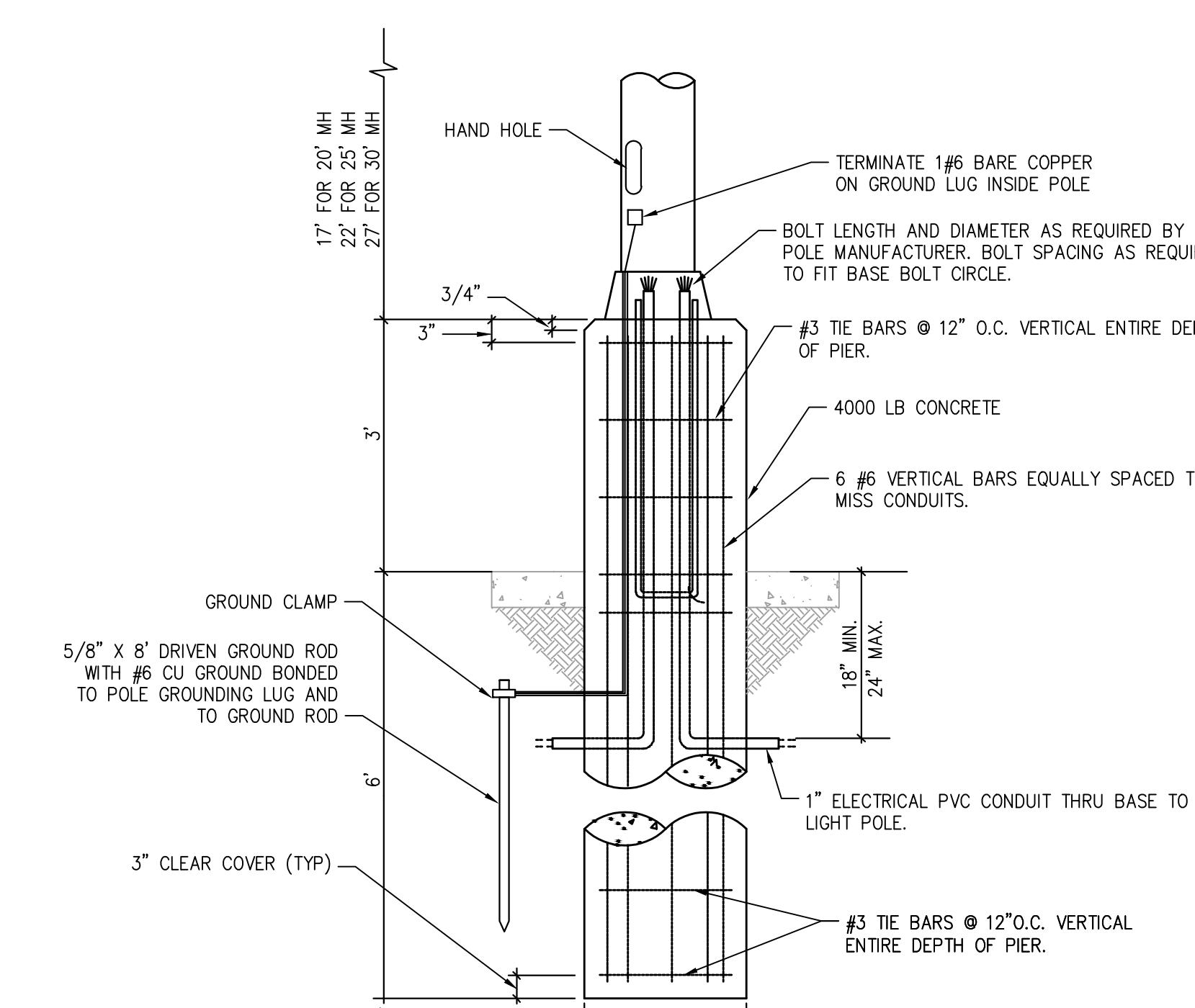
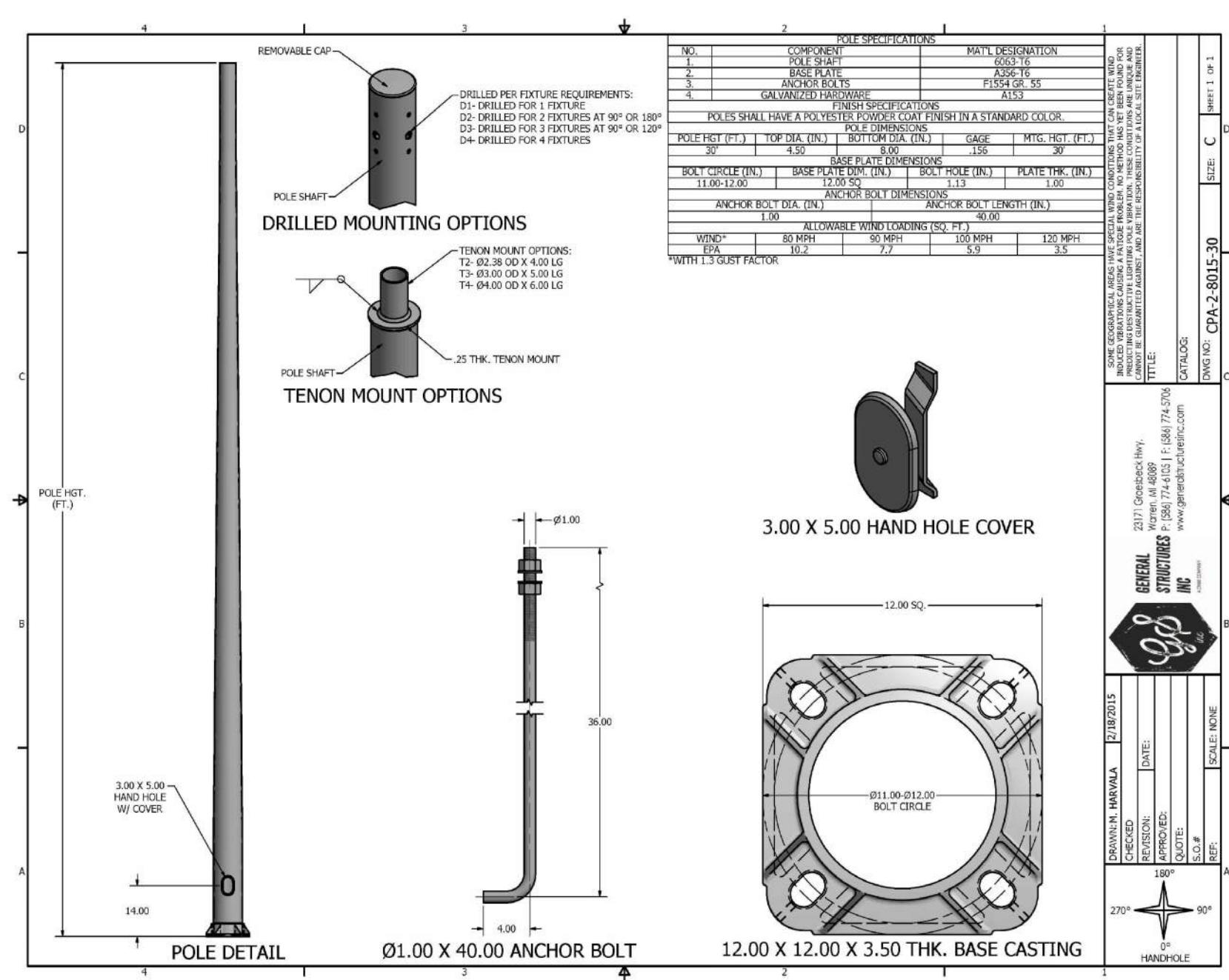
One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.acuitybrands.com](http://www.acuitybrands.com)  
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Lithonia RSX4 Area LED  
Rev. 04/20/23  
Page 1 of 9

**Fixture Specifications**

SCALE : NO SCALE

2



POLE FOUNDATION DETAIL  
SCALE: NONE

DATE: 11.17.2023

DESIGNED BY: JSC

DRAWN BY: JSC

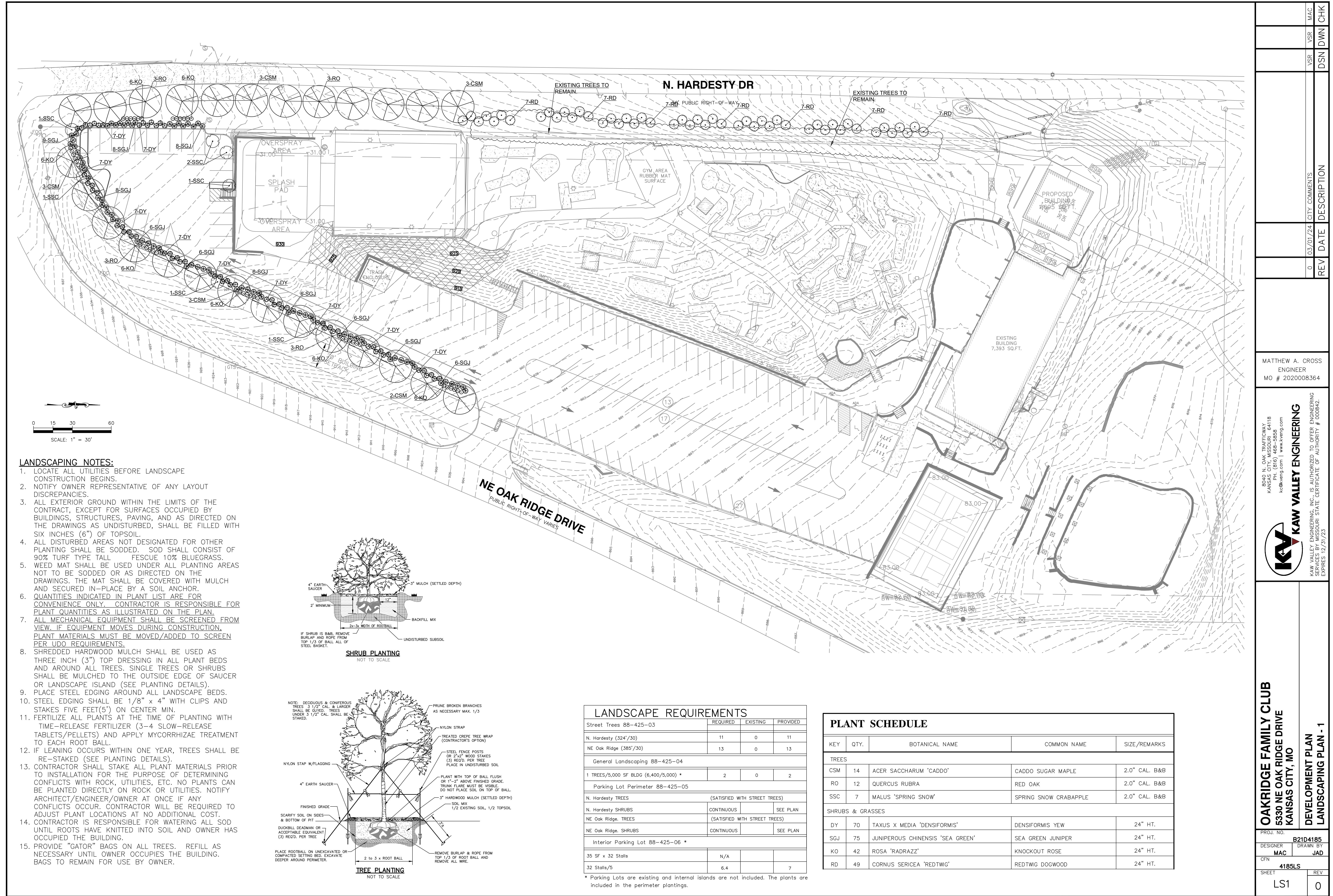
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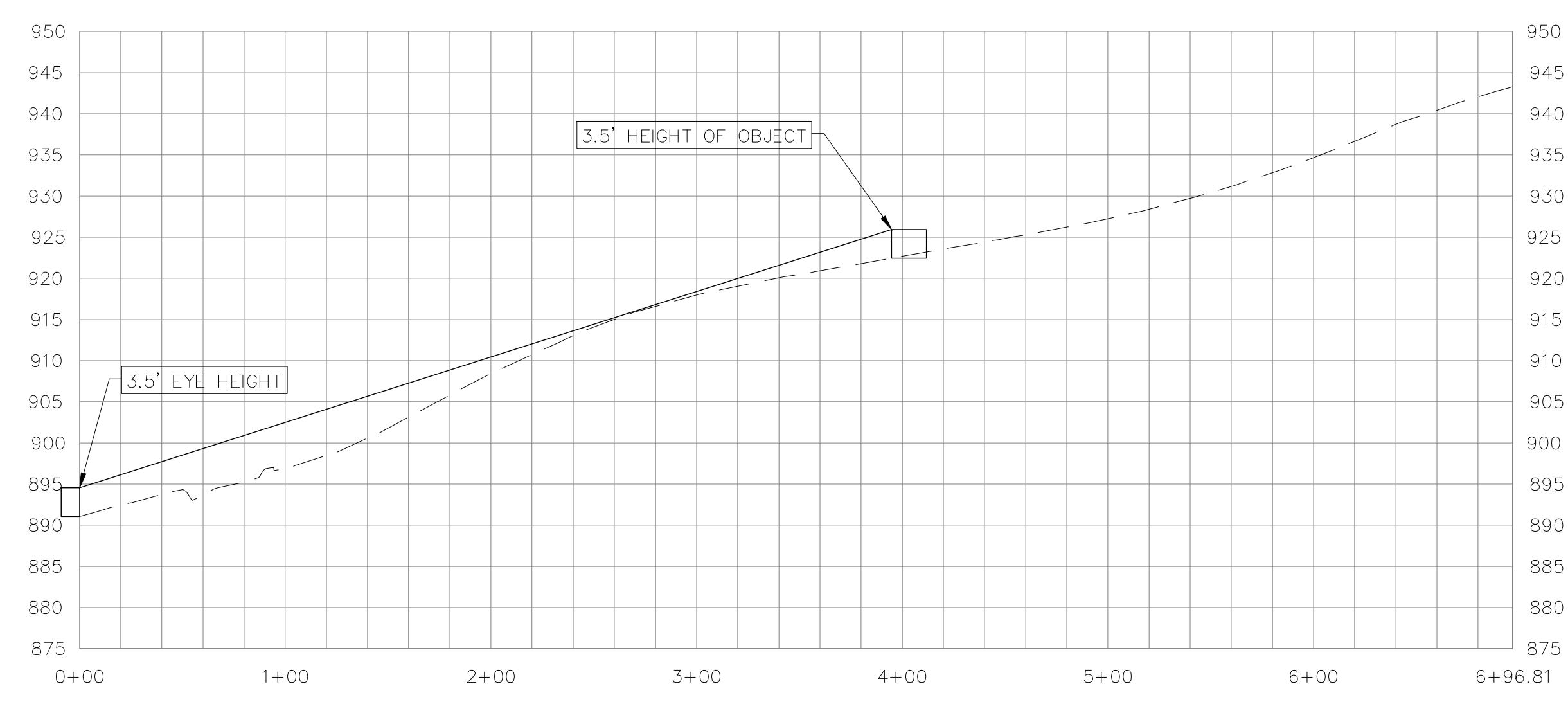
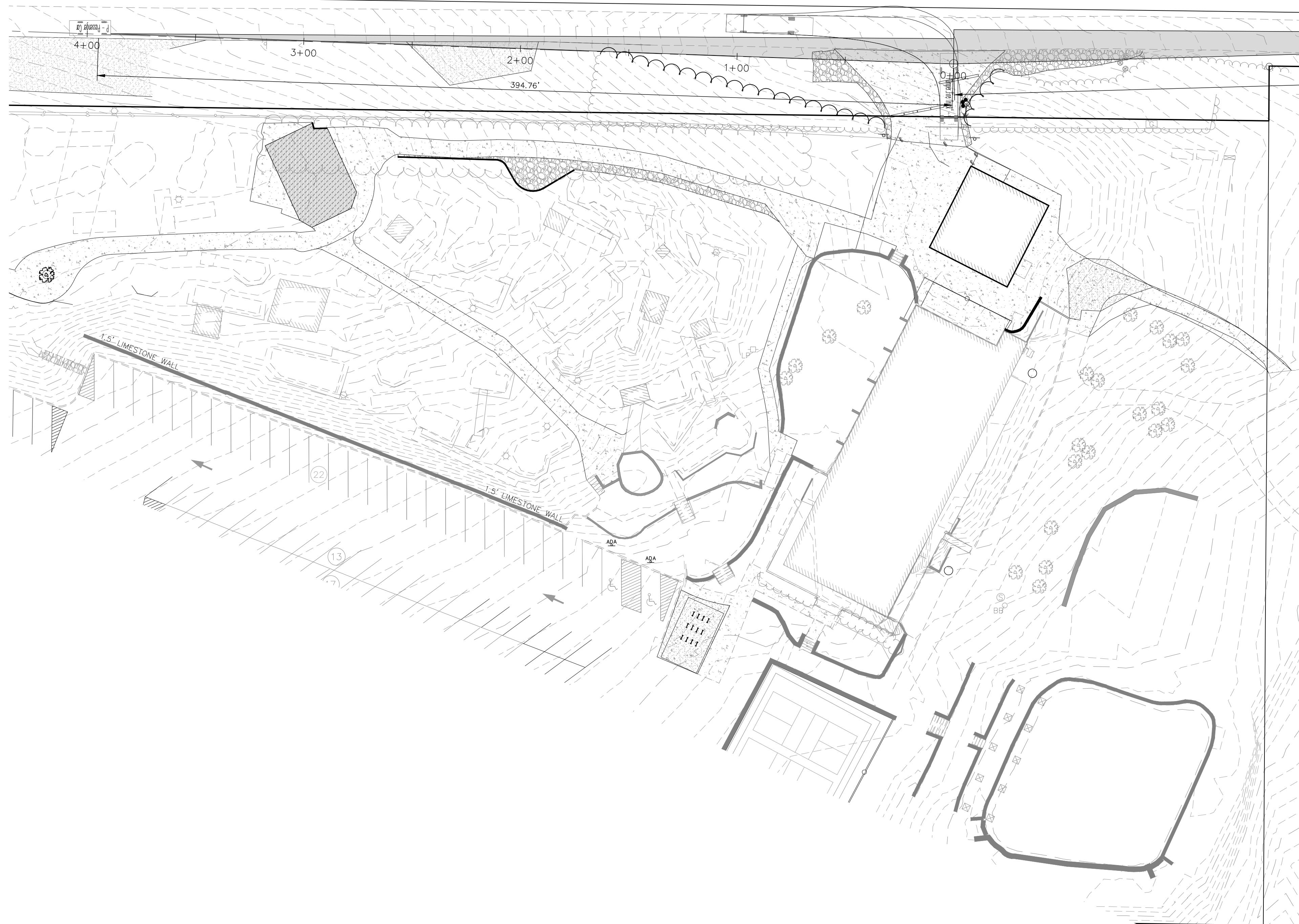
SHEET NUMBER

**E-002**

JOB NUMBER

**23-185**





# Sight Distance Table

Scenario	Description	Required Min Sight Distance (Passenger Car)	Required Min Sight Distance (Single-Unit Truck)	Measured Sight Distance - Emergency Fire Access
Case B1	Left turns from minor road	275.625	349.125	395
Case B2	Right turn from minor road	238.875	312.375	470

**KVENG**  
Engineering  
P.C. BOX 1504  
KANASAS 66441  
(5) 762-5040  
www.kveng.com

 KAW

OAK RIDGE FAMILY SOCIAL CLUB  
5330 NE OAK RIDGE DR  
KANSAS CITY, MO, 64119

B21D4349	
DESIGNER JED FN	DRAWN BY JE
4185FIRE	
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1 OF 1	

# Public Meeting Notice

KAW VALLEY ENGINEERING

Please join \_\_\_\_\_

for a meeting about OAK RIDGE FAMILY SOCIAL CLUB

case number CLDPIR-2023-00116, CD-CPC-2024-00010

proposed for the following address: 5330 NE OAK RIDGE DR, KANSAS CITY, MO, 64119

**Meeting Date:** MARCH 5TH, 2024

**Meeting Time:** 5:00 PM, CST

**Meeting Location:** Zoom Meeting ID: 825 0982 5089 Passcode: kve123  
<http://tinyurl.com/3vfzn545>

Project Description:

ADDITIONAL PARKING, AMENITIES, AND AN ADDITIONAL BUILDNG AT OAK RIDGE, AS WELL AS IMPROVEMENTS TO N HARDESTY AVE.

If you have any questions, please contact:

Name: JACOB DOBBS, EIT

Phone: 816-468-5858

Email: [JACOBD@KVENG.COM](mailto:JACOBD@KVENG.COM)

You are receiving this notice in accordance with city code that requires a public meeting with neighborhoods for certain types of development projects. You can read more about the process requirements at [kcmo.gov/publicengagement](http://kcmo.gov/publicengagement)

**COMPASSKC** City of Kansas City, Missouri

If you would like further information on this proposed project, please visit the city's planning and permitting system, Compass KC, at [Compasskc.kcmo.org](http://Compasskc.kcmo.org). You may search by project type and address/case number to find project details.

Sincerely,

*Jacob Dobbs*

## Meeting Sign-In Sheet

### Project Name and Address

OAK RIDGE FAMILY SOCIAL CLUB, 5330 NE OAK RIDGE DR, KANSAS CITY, MO

---

---

Name	Address	Phone	Email
EMILY STOUT	5408 N HARDESTY AVE		
CARLIE & SHEA KENT	5400 N HARDESTY AVE		
HYOKYUNG KWON	5334 N HARDESTY AVE		
STEPHEN EDWARDS	5204 N HARDESTY AVE		
CHUCK CUDA	5330 NE OAK RIDGE DR		
MATT CROSS	8040 N OAK TRAFFICWAY		
JACOB DOBBS	8040 N OAK TRAFFICWAY		





CITY OF  
KANSAS CITY,  
MISSOURI

## CITY PLANNING & DEVELOPMENT

### Public Meeting Summary Form

Project Case #

Meeting Date:

Meeting Location:

Meeting Time (include start and end time):

Additional Comments (optional):

ATTENDENCE, AND WE BELIEVE ALL THE NEIGHBORS' CONCERNS WERE ADDRESSED EXCEPT FOR CONDITION OF PAVEMENT ON HARDESTY.

CASE NUMBER

CD-CPC-2024-00010

ADDRESS OR LOCATION

5330 NE Oak Ridge Dr

**AFFIDAVIT OF SIGN POSTING**

STATE OF Missouri)

COUNTY OF Clay)

I, Jacob Dobbs being duly sworn upon my oath and being of sound mind  
and legal age state:

That I am the agent (agent, owner, attorney) of the lot, tract or parcel of land for which the application was filed and did not later than fifteen (15) days prior to the date of first hearing scheduled for the above-referenced case at the above-referenced location, place a sign upon said lot, tract or parcel of land in compliance with the applicable Notice of Hearing procedures in the Zoning and Development Code.

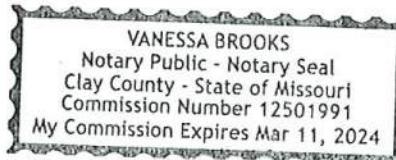
Jacob Dobbs  
(Print Name)

Jacob Dobbs  
(Signature)

Subscribed and sworn to before me this 1<sup>st</sup> day of March, 2024.

Danessa Brooks  
Notary Public

My Commission Expires 03-11-2024



Said sign shall be furnished by the City to the applicant and the applicant shall firmly affix and attach the sign to a wood or metal backing or frame. The sign shall be posted in a fashion visible from a public right-of-way or public place, shall not be further than ten (10) feet from the property line exclusive of the public right-of-way and shall be posted in a manner that the bottom portion of the sign is no further than eighteen (18) inches from the ground. The applicant shall file an affidavit prior to the public hearing stating that said sign has been posted according to these regulations.