



CITY PLAN COMMISSION STAFF REPORT

City of Kansas City, Missouri
City Planning & Development Department
www.kcmo.gov/cpc

October 3, 2023

Project Name
Arrowhead Lakes

Docket #4

Request

- .1 – CD-CPC-2023-00074 - Area Plan Amendment
- .2 – CD-CPC-2023-00073 - Rezoning without plan
- .3 – CD-CPC-2023-00072 - Preliminary Plat

Applicant

Doug Ubben
Phelps Engineering, Inc.

Agent

Polsinelli, PC

Location	2000 E. 155 th Street
Area	About 365 acres
Zoning	R-80
Council District	6 th
County	Jackson
School District	Grandview

Surrounding Land Uses

North: single family residences on large tracts, zoned R-80.
South: Rosehill Gardens City of Belton.
East: Agricultural farmland zoned R-80 and M1 (Gotcha Covered).
West: Single Family residences and agricultural farmlands zoned R-80.

Major Street Plan

Holmes Road and Prospect Avenue are identified on the City's Major Street Plan as a local links at this location. MO Route 150 is identified as a freeway.

Land Use Plan

The Martin City Area Plan adopted by Resolution No. 200184 on March 5, 2020, recommends Residential Low Density, Medium Density and Open Space/ Buffer land use for this location.

APPROVAL PROCESS

Staff Review

City Plan Commission

City Council

PROJECT TIMELINE

The application for the subject request was filed on May 1, 2023. Scheduling deviations from 2023 Cycle K occurred due to:

- Incomplete application submittal (Tree Preservation Plan).
- Working with WSD to determine sanitary sewer service plan.

NEIGHBORHOOD AND CIVIC ORGANIZATIONS NOTIFIED

There are no registered neighborhood or homes associations tied to the subject site.

REQUIRED PUBLIC ENGAGEMENT

Public engagement as required by 88-505-12 applies to this request. Applicant hosted a meeting on July 11, 2023. A summary of the meeting is attached to the staff report, see Attachment #3.

EXISTING CONDITIONS

The project site is a 365-acre parcel generally bordered by 150 Hwy on the north, E. 155th Street on the south, Prospect Avenue on the east and Holmes Road on the west. This parcel is currently developed with single family residences on large tracts of land. There are five existing pond/ lakes within this quadrant, three of which are part of this development. The largest of the lake is dammed. To the north of the subject site is MO Route 150. Rosehill Gardens is to the south within the City of Belton. To the east is vacant agricultural land and to the west are existing single family residences.

SUMMARY OF REQUEST + KEY POINTS

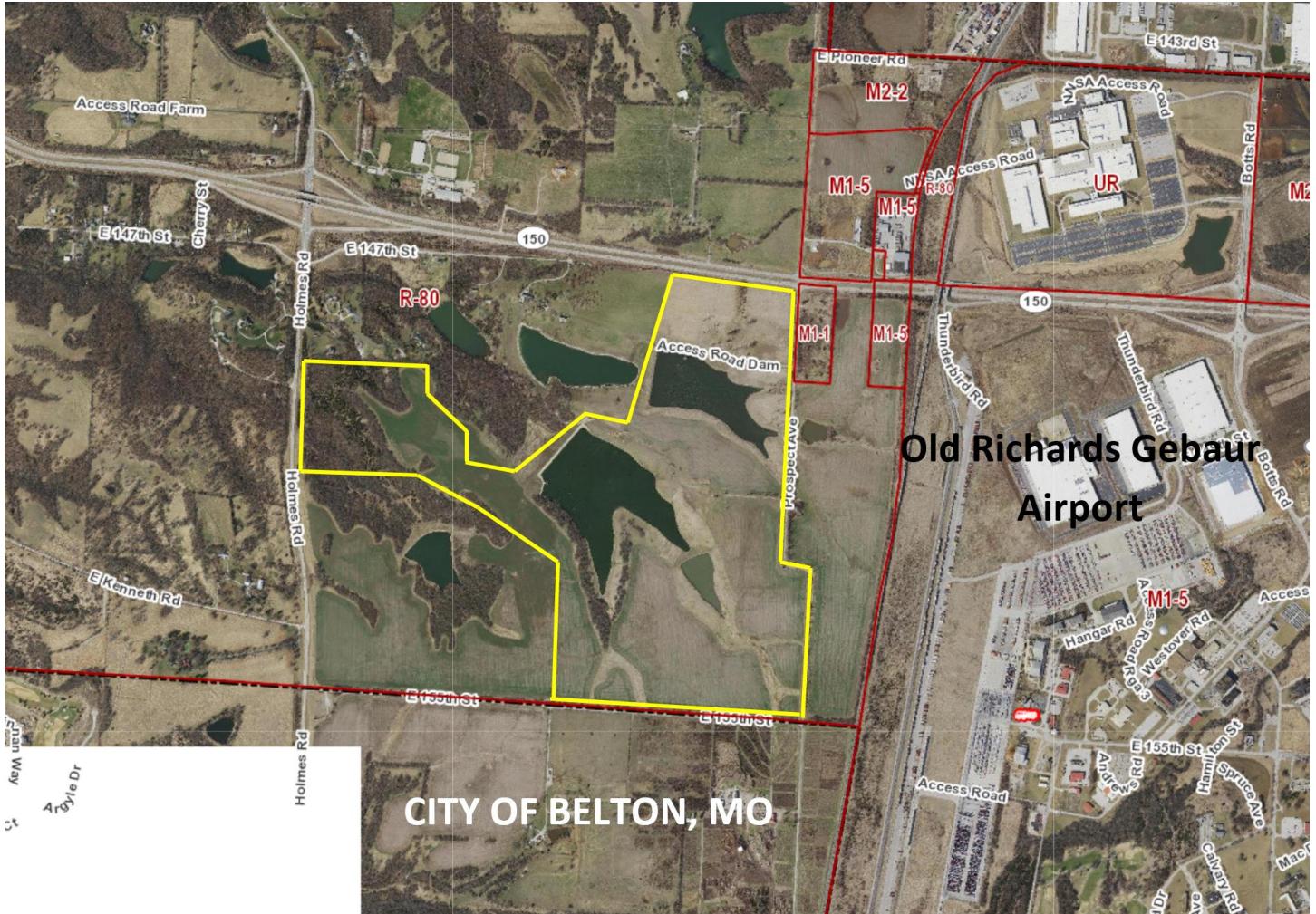
The applicant is seeking approval of an area plan amendment, a rezoning from District R-80 to District R-7.5 and approval of a preliminary plat to allow for the creation of 580 detached residential lots and 17 tracts in 9 phases.

CONTROLLING

There is no controlling case for the site.

PROFESSIONAL STAFF RECOMMENDATION

- Docket #4.1 - CD-CPC-2023-0074 - Approval
- 4.2 - CD-CPC-2023-0073 - Approval
- 4.3 - CD-CPC-2023-0072 - Approval with Conditions

PROJECT LOCATION**PLAN REVIEW**

These companion cases are necessary as the applicant is seeking approval of an area plan amendment, a rezoning from District R-80 to District R-7.5 and approval of a preliminary plat to allow for the creation of 580 detached residential lots and 17 tracts. The subject site is generally bordered MO Route 150 on the north and E. 155th Street on the south, between Prospect Avenue on the east and Holmes Road on the west.

Case No. CD-CPC-2023-00074 is a request to consider amending the Martin City Area Plan by changing the recommended land use from Residential Medium Density, Residential Low Density and Open Space Buffer land use to Residential Low Density and Open Space Buffer land use designation on about 365 acres. The Martin City Area Plan adopted by Resolution No. 200184 on March 5, 2020, recommends Residential Low Density, Residential Medium Density and Open Space/ Buffer land use for this location. This is appropriate for detached single family residential developments. This land use classification generally corresponds to the R-10 and R-7.5 zoning categories within the Zoning and Development Code. Staff is supportive of this amendment. See Attachment #2 from Long Range Planning and Preservation Department.

Case No. CD-CPC-2023-00073 is a request to consider rezoning the 365-acre parcel from District R-80 (Residential 80) to District R-7.5 (Residential 7.5). The project site is a partially vacant site comprising of 3 unplatteed parcels. The proposed rezoning does not require a plan, but the applicant submitted an accompanying preliminary plat of the proposed subdivision.

Case No. CD-CPC-2023-00072 is a request to consider approval of a preliminary plat, in District R-7.5 on about 365 acres to allow for 580 detached lots and 17 tracts in 9 phases. The subdivision shows a total of 7 street connections to existing public street. It shows four public streets connections to Prospect Avenue on the east, one public street to Holmes Road on the west and three public streets to E. 155th Street on the south. The detached homes will have an average of 75 foot lot width and 13,500 square foot lot area. Setbacks are proposed to be 30 feet front and rear and 15 feet side on corner. The site does preserve about 12 acres within the treed and stream buffer area. There is an accompanying preliminary stream buffer preliminary plan.

Internal street connectivity within the proposed subdivision is hindered by the existing water bodies on the site. The developer has worked with staff to ensure that this connectivity is achieved by internal trail network to connect each development pod around the water bodies. The developer also submitted a street tree preservation plan which shows trees to be preserved. Staff recommends that the boundaries of these areas be clearly marked and monumented with signage that delineates the boundaries as "Do Not Disturbance" areas and also shown on each final plat.

This case has been delayed due to the ongoing discussion between the developer and the city about connection of sanitary sewer to this development. The closest sanitary sewer transmission line is about 2.5 mile to the west within the Blue River basin and MO Route 150. The proposed sewer main alignment was recently approved by Water Services Department. Staff will recommend a condition that no site disturbance, or clearing and grubbing permits shall be issued for this site until the proposed sanitary sewer extension project has commenced. This means that the design, land and easement acquisition, permitting must be completed and the project underway prior to any mobilization for this project. The parcels will be flagged moving forward to ensure this condition is met.

Holmes Road and Prospect Avenue are on the Major Street Plan (MSP) so the developer is not required to construct half street improvements but pay impact fee. East 155th Street is not on the MSP as a result half street improvement will be required. The proposed plan shows the required 30-foot landscaped buffers which will screen the rear portions of the properties from the public right of way. No preliminary landscape plan was submitted.

PLAN ANALYSIS

Residential, Commercial, or Industrial Lot and Building (88-110), Use- Specific (88-300), and Development Standards (88-400)

*indicates adjustment/deviation

Standards	Applies	Meets	More Information
Lot and Building Standards (88-110)	YES	YES	
Boulevard and Parkway Standards (88-323)	NO	N/A	
Parkland Dedication (88-408)	YES	YES	See analysis below.
Parking and Loading Standards (88-420)	YES	YES	
*Landscape and Screening Standards (88-425)	YES	NO	See analysis below.
Outdoor Lighting Standards (88-430)	NO	N/A	
Sign Standards (88-445)	YES	YES	Must comply with 88-445.
*Pedestrian Standards (88-450)	YES	NO	Need sidewalks on both sides of local internal streets. See analysis below.

Requested Waivers

NONE

Parkland Dedication:

According to Chapter 88-408 of the Zoning and Development Code, the developer can either, dedicate land for public park, provide open space for park purposes or provide money in lieu of parkland dedication. A plat is providing a need for the following:

$$\begin{aligned} 580 \text{ single-family lots} \times 3.7 \times 0.006 &= 12.88 \text{ acres} \\ 12.88 \text{ acres} \times \$64,220.18 \text{ (2023 Fees)} &= \$826,898.27 \end{aligned}$$

The preliminary plat is proposing trails, a pool/ clubhouse and outdoor amenities within Tract A as part of payment in lieu of parkland dedication. Staff would like additional details on the distance of these amenities on Tract A from the existing single family residence to the north. Adequate care should be taken to make sure that there is enough distance and buffer. This could mean the relocation of impactful outdoor activities to Tract B on the south. Staff does not agree with the developer that the existing detention ponds be counted as part of these amenities.

Landscaping and Screening:

Even though the title page calls out a landscaping plan, the preliminary plat did not include a preliminary landscape plan to allow staff to review compliance with 88-405-05-F and 88-425-04-B of the Zoning and Development Code. Staff recommends submittal of a preliminary landscape plan per staff approval prior to ordinance request and a Project Plan for each Private Open Space Tract for City Plan Commission approval. This should include proposed screening on Tract A.

SPECIFIC REVIEW CRITERIA**Zoning and Development Code Map Amendments, Rezonings (88-515-08)**

In reviewing and making decisions on proposed zoning map amendments, the City Planning and Development Director, City Plan Commission, and City Council must consider at least the following factors:

A. Conformance with adopted plans and planning policies;

The Martin City Area Plan recommends Residential Low Density, Residential Medium Density and Open Space/ Buffer land use for this location. The proposed use will be consistent with the approval of the accompanying area plan amendment. OA

B. Zoning and use of nearby property;

Nearby properties are primarily single-family homes on large tracts of land. This proposal will be compatible. OA

C. Physical character of the area in which the subject property is located;

The proposed plan will be compatible with the physical character of the area. OA

D. Whether public facilities (infrastructure) and services will be adequate to serve development allowed by the requested zoning map amendment;

Although the developer has shown an access to sanitary sewer, the adequacy and timing of availability remains in question at this time. This is critical to support the proposed density at this location. Utilities and infrastructure will be brought to City Standards, subject to the conditions in the attached report. OA

E. Suitability of the subject property for the use to which it has been restricted under the existing zoning regulations;

The current zoning designation is R-80 and the development cannot be done under the existing zoning. OA

F. Length of time the subject property has remained vacant as zoned;

The subject property has never been developed. OA

G. The extent to which approving the rezoning will detrimentally affect nearby properties; and

The rezoning is not expected to detrimentally affect nearby properties. OA

H. The gain, if any, to the public health, safety, and welfare due to denial of the application, as compared to the hardship imposed upon the landowner, if any, as a result of denial of the application.

A denial of the application would not allow the development to occur thereby limiting the ability of the developer to complete this project. OA

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 complies with the applicable sections of the Zoning and Development Code and the recommended land use of the Martin City Area Plan. OA

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

Detached houses are permitted in the R-7.5 zoning district. OA

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 plan meets the requirements for vehicular access and circulation. OA

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

The proposed preliminary plat does provide connectivity within the subdivision and to adjoining public streets. OA

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

Although the developer has shown an access to sanitary sewer, the adequacy and timing of availability remains in question at this time. This is critical to support the proposed density at this location. Utilities and infrastructure will be brought to City Standards, subject to the conditions in the attached report. OA

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 Development Plan is proposing single family homes which is compatible with the surrounding land uses. OA

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 preliminary plat did not include a preliminary landscape plan to allow staff to review compliance with 88-405-05-F and 88-425-04-B of the Zoning and Development Code. Staff recommends submittal of a preliminary landscape plan per staff approval prior to ordinance request and a Project Plan for each Private Open Space Tract for to City Plan Commission approval. OA

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.

The proposed site plan provides an efficient layout for the proposed uses and does not create unnecessary impervious surfaces. OA

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 plan also includes a tree preservation and mitigation plan. The existing trees within the regulated stream area are shown on the preliminary stream buffer plan and will be preserved. OA

ATTACHMENTS

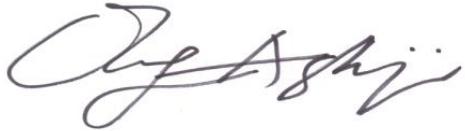
1. Conditions Report
2. Long Range Planning Report
3. Applicants Submittal
4. Public Engagement Materials

PROFESSIONAL STAFF RECOMMENDATION

City staff recommends the following as stated in the conditions report:

- 4.1- CD-CPC-2023-00074 - **Approval**
- 4.2- CD-CPC-2023-00073- **Approval**
- 4.3- CD-CPC-2023-00072- **Approval with Conditions**

Respectfully Submitted,



Olofu Agbaji
Planner



Plan Conditions

KANSAS CITY

Planning & Dev



Report Date: September 29, 2023

Case Number: CD-CPC-2023-00072

Project: Arrowhead Lakes

Condition(s) by City Planning and Development Department. Contact Olofu Agbaji at (816) 513-8815 / Olofu.Agbaji@kcmo.org with questions.

1. All signage shall conform to 88-445 and shall require a sign permit prior to installation.
2. That the developer submit a Street Naming Plan to Development Management Division prior to issuance of Building Permit for any phase/ lot. Street naming plan shall be approved prior to Mylar approval of the first final plat.
3. The developer shall submit an affidavit, completed by an ISA certified arborist, an SAF certified forester, a professional engineer, or a landscape architect licensed in the State of Missouri, verifying that all trees preserved and all trees planted to meet mitigation required of the approved plan, whichever is applicable, has been installed or preserved in accordance with the plan and is healthy 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. That the developer submit an application for Project Plan to the City Plan Commission for all private open space indicating plans for landscaping, grading, detailed internal circulation, signage, lighting and a photometric study showing zero foot candles at the property lines prior to ordinance request of the first final plat for this development.
7. No site disturbance or clearing and grubbing permit shall be issued for this site until the proposed sanitary sewer extension project has commenced.
8. That the developer submit revised plan addressing the following prior to issuance ordinance request:
 - a) Provide the full alignment of the proposed sewer main to serve this site from the interceptor prior to ordinance request.
 - b) Provide additional details on the distance of the proposed amenities on Tract A from the existing single family residence to the north. Adequate care should be taken to make sure that there is enough distance and buffer.
 - c) Staff recommends that the boundaries of the tree to be preserved areas be clearly marked and monumented with signage delineating the boundaries as "Do Not Disturbance" areas and also shown on each final plat. Boundary markers shall be placed similar to the standard outlined in Section 88-415-07-E.
 - d) Provide preliminary landscape plan sheet depicting the treatment of the 30-foot POS buffer with berms and evergreen trees. This should include a cross section to ensure that the rear yards are adequately buffered/ screened from the public rights of way. This should include proposed screening on Tract A.
 - e) Submit evidence of approval by MoDOT prior to ordinance request.

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

9. 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.
10. The developer shall submit covenants, conditions and restrictions to the Land Development Division for review by the Law Department for approval and enter into covenant agreements for the maintenance of any private open space tracts with stream buffer zones or stormwater detention area tracts, prior to recording the plat.
11. The developer shall submit plans for grading, siltation, and erosion control to Land Development Division for review and acceptance, 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 City Planning and Development Department. Contact Terry Thomas at (816) 513-2510 / Terry.A.Thomas@kcmo.org with questions.

12. 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.
13. The developer shall submit a Macro storm drainage study with the first Plat or Phase, from a Missouri-licensed civil engineer to the Land Development Division showing compliance with current adopted standards in effect at the time of submission, including Water Quality BMP's, to the Land Development Division for review and acceptance for the entire development area, and submit Micro storm drainage study with each subsequent Plat or Phase showing compliance with the approved Macro and adopted standards. The developer shall secure permits to construct any improvements as necessary to mitigate impacts from rate, volume, and quality of runoff from each proposed phase, prior to recording the plat or prior to issuance of a Building Permit, whichever occurs first as required by the Land Development Division.
14. The developer shall construct temporary off-site cul-de-sacs and grant a city approved temporary cul-de-sac easement, for that portion outside of the dedicated street right-of-way, to the City as required by the Land Development Division, prior to recording the plat.
15. The developer shall cause the area to be platted and processed in accordance with Chapter 88, Code of Ordinances of the City of Kansas City, Missouri.
16. The developer shall dedicate additional right of way [and provide easements] for Holmes Road and Prospect Ave as required by the adopted [Major Street Plan and/or Chapter 88] so as to provide a minimum of 50 feet of right of way as measured from the centerline, along those areas being platted.
17. The developer shall secure permits to extend public sanitary and storm water conveyance systems to serve all proposed lots within the development and determine adequacy of receiving systems as required by the Land Development Division, prior to recording the plat or issuance of a building permit whichever occurs first.

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

18. • The project shall meet the fire flow requirements as set forth in Appendix B of the International Fire Code 2018. (IFC-2018 § 507.1)
19. • Fire hydrants shall be installed and operable prior to the arrival of any combustible building materials onto the site. (IFC-2018 § 501.4 and 3312.1; NFPA 241-2013 § 8.7.2)
 - Fire hydrant distribution shall follow IFC-2018 Table C102.1
20. • 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)
21. • The turning radius for fire department access roads shall be 30 feet inside and 50 feet outside radius. (IFC-2018: § 503.2.4)
 - Shall provide fire lane signage on fire access drives.
22. • One and two family residential developments exceeding 30 dwelling units shall have at least two separate and approved fire apparatus access roads (IFC-2018: § D107.1)
 - Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses. (IFC-2018: § D106.3)

Phase 9 shall not exceed 30 dwelling units prior to approval and installation of a secondary access. A widened sidewalk does not meet the code for a secondary access.

Condition(s) by Parks & Recreation. Contact Richard Sanchez at (816) 513-7678 / Richard.Sanchez@kcmo.org with questions.

23. The developer shall be responsible for dedication of parkland, private open space in lieu of parkland, or payment of cash-in-lieu of either form of dedication, or any combination thereof in accordance with 88-408. Should the developer choose to pay cash-in-lieu of dedicating all or a portion of the required area, the amount due shall be based upon the 2023 acquisition rate of \$64,220.18 per acre. This requirement shall be satisfied prior to recording of the final plat.

Condition(s) by Parks & Recreation. Contact Richard Sanchez at (816) 513-7678 / Richard.Sanchez@kcmo.org with questions.

24. The developer shall submit a streetscape plan with street tree planting plan per 88-425-03 for approval and permitting by the Parks & Recreation Department's Forestry Division prior to beginning work in the public right-of-way
25. All trails to be credited towards satisfying the Parkland Dedication Requirements shall be a minimum of 7' in width and concrete in material.

Condition(s) by Public Works Department. Contact Sam Akula at (816) 513-9861 / sam.akula@kcmo.org with questions.

26. Holmes Road & Site Drive A - Construct a southbound left-turn lane with a minimum 290' of storage plus a 180' taper.
Holmes Road & 155th Street - Construct a southbound left-turn lane with a minimum 290' of storage plus a 180' taper
The following improvements will be needed once construction begins on Phase 7 of the development:
Holmes Road & 155th Street - Construct a northbound right-turn lane with a minimum 240' of storage plus a 180' taper
MO-150 & Prospect Avenue - Construct an eastbound right-turn lane with a minimum 310' of storage plus a 180' taper

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

27. 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>

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

28. The developer must submit water main extension plans prepared by a registered professional Engineer in Missouri to the main extension desk for review, acceptance and contracts per the KC Water Rules and Regulations for Water main extensions and Relocations.
(<https://www.kcwater.us/wp-content/uploads/2022/05/2022-Rules-and-Regulations-for-Water-Main-Extensions-Final2.pdf>).

Condition(s) by Water Services Department. Contact Lucas Kaspar at (816) 513-2131 / Lucas.Kaspar@kcmo.org with questions.

29. The developer shall cause the area to be platted and processed in accordance with Chapter 88, Code of Ordinances of the City of Kansas City, Missouri, as amended, commonly known as the Development Regulations.
30. The developer must submit a Macro storm drainage study with the first Plat or Phase, from a Missouri-licensed civil engineer to the Land Development Division showing compliance with current adopted standards in effect at the time of submission, including Water Quality BMP's, to the Land Development Division for review and acceptance for the disturbed area, and submit Micro storm drainage study with each subsequent Plat or Phase showing compliance with the approved Macro and adopted standards. The developer shall secure permits to construct any improvements as necessary to mitigate impacts from rate, volume, and quality of runoff from each proposed phase, prior to recording the plat or prior to issuance of a Building Permit, whichever occurs first as required by the Land Development Division.
31. The developer shall submit an analysis to verify adequate capacity of the existing sewer system as required by the Land Development Division prior to issuance of a building permit to connect private system to the public sewer main and depending on adequacy of the receiving system, other improvements may be required.
32. The developer must secure permits to extend public sanitary and storm water conveyance systems to serve all proposed lots within the development and determine adequacy of receiving systems as required by the Land Development Division, prior to recording the plat or issuance of a building permit whichever occurs first.
33. The developer shall coordinate with KC Water to determine the alignment for the sanitary sewer interceptor extension to serve the development. The final plat shall not be recorded until the sanitary sewer extension to the interceptor is bonded and under contract.
34. The developer must grant any BMP and Surface Drainage Easements to the City as required by the Land Development Division, prior to recording the plat or issuance of any building permits.
35. The developer shall submit a Preliminary Stream Buffer plan prior to approval of the plan in accordance with the Section 88-415 requirements.
36. The developer shall submit a final stream buffer plan to the Land Development Division for approval prior to issuance of any building permits and obtain permits for the Stream Buffer prior to removal of any mature riparian species within the buffer zones due to construction activities on the site, in accordance with the Section 88-415 requirements.
37. The developer must grant on City approved forms, a STREAM BUFFER Easement to the City, as required by Chapter 88 and Land Development Division, prior to issuance of any stream buffer permits.

Condition(s) by Water Services Department. Contact Lucas Kaspar at (816) 513-2131 / Lucas.Kaspar@kcmo.org with questions.

38. The developer must submit covenants, conditions and restrictions to the Land Development Division for review by the Law Department for approval and enter into covenant agreements for the maintenance of any private open space tracts with stream buffer zones or storm water detention area tracts, prior to recording the plat.

LRP Development Case Review Checklist

Case Type: Preliminary Plat

Case Number: CD-CPC-2023-00072

Address: 1400 E 147th St Unit:ROW-STR-State

Area Plan: Martin City Area Plan

Current Zoning: R-80

Current AP Designation: Res Low Density, Res Med Density

Assigned DMD Planner: Olofu Agbaji

General Info

Neighborhood Context

- Existing surrounding zonings
 - R-80 (N, E, W)
 - Out of City Limits (S)
- Existing surrounding land uses
 - Undeveloped (N, E, S, W)
- Surrounding future land use designations
 - Res Low Density (N, W)
 - Res Med Density (S)
 - Office (E)
 - Industrial (NE)
- Sub-Area Designation (if applicable)
 - N/A
- Other Plans to Reference
 - N/A
- Other Plans Guidance
 - TrailsKC Plan – proposes trail connections on TrailsKC Plan along Highway 150
- Is there an established land use pattern and will this disrupt it?
 - This area is largely undeveloped
- Will it be a “spot” zoning?
 - No

- Is there an established (or desired) architectural theme, building scale, etc. and will this complement that or disrupt it?
 - This area is largely undeveloped
- Are there appropriate transitions between uses/buildings of differing scale and intensity of use?
 - N/A

Access

- Does the site have access from a major street or a local street?
 - Yes, on Holmes and Prospect
- How much activity will the site generate? Does the level of activity match the type of street its located on?
 - The project is expected to significantly increase activity in the area, primarily residential traffic
- Street condition? (narrow/unimproved/improved)
 - Holmes is improved on the west side of the project but needs sidewalks
 - Prospect is not improved
- What kind of vehicles will be entering/exiting the site
 - Personal vehicles
- Will access to/from the site impact neighboring properties or neighborhoods?
 - No
- Is there adequate bus, pedestrian and bike access? What does the area plan recommend for the area in terms of pedestrian or transit-oriented design?
 - This area is almost entirely undeveloped
- Is it on a major transit corridor and have TOD principles been incorporated?
 - N/A
- Has a Traffic Impact Study been required by Public Works and will a Walkability Analysis be needed as part of that study?
 - Yes and yes

Area Plan Review

Land Use

- Is proposed use consistent with land use plan?
 - Yes
 - There are several regulated streams that run through the subject property. The layout of the single-family development largely avoids disrupting the areas designated in the FLU map as Open Space/Conservation

- Is there a change in zoning that would require a land use plan amendment? (If yes, include Decision Making Criteria Checklist in case review report.)
 - No
- Specific Transportation/Walkability Recommendations
 - Sidewalks are needed on Holmes and Prospect for future connections

Applicable Development Form Guidelines

- Development form designation
 - Neighborhood
- Development Form Guidelines
 - **More connectivity is needed internally in the development.**
 - **Tracts should be used as community amenities as much as possible. Trail connections would be a great amenity here.**
 - **As many trees and existing vegetation should be preserved as possible.**
 - *Neighborhoods streets should be “calm” while also providing a high level of access for area residents without encouraging high “through” traffic or high traffic volumes or speeds within neighborhoods.*
 - *Neighborhoods should be connected by providing physical links (bike, pedestrian, and automobile connections) with other neighborhoods, corridors, nodes, and districts. Neighborhoods should have community gathering spaces for neighborhood events which help create social connections.*
 - *Homes should have prominent front doors facing the street.*
 - *Usable porches facing the street are encouraged in order to promote social interaction and provide passive “eyes on the street”. Locate houses parallel to the street to further define the street edge and public presence.*
 - *Preserve the environmental qualities (topography, mature vegetation, etc.) of the site to protect sensitive natural areas and drainage patterns.*
 - *Natural areas should be accessible to the neighborhood and connected to greenways where possible.*
 - *Dead end and cul-de-sac streets are discouraged.*
- Architectural Character
 - General Character
 - N/A
 - Massing and Scale
 - N/A
 - Materials
 - N/A
 - Structured Parking

- N/A
 - Windows/Transparency
 - N/A
 - Topography
 - N/A
- Site Arrangement
 - Building Placement
 - N/A
 - Development Pattern
 - N/A
 - Parking
 - N/A
 - Natural Resource Preservation
 - **As much trees and vegetation should be preserved as possible**
 - *Preserve the environmental qualities of the site to protect sensitive natural areas, landscape character, and drainage patterns.*
 - *Natural areas should be accessible to neighborhoods, nodes, corridors, or districts, and connected to greenways where possible.*
 - *Manage storm water runoff as part of the overall open space system.*
 - *Discourage development and grading/filling on steep slopes and in floodplains.*
- Transitions and Screening
 - Transitions
 - N/A
 - Screening
 - N/A
- Public and Semi-Public Spaces
 - Public Spaces
 - N/A
 - Streetscape
 - N/A
 - Gateways
 - **The gateways into the neighborhood should be landscaped with monument signs identifying the neighborhood.**

- *Gateways should be integrated into overall streetscape design where appropriate. Place gateways at key intersections, and entries into neighborhoods, nodes, and districts.*
 - *Gateways and intersection enhancements should include vertical architectural features or focal points constructed of high-quality materials such as stone, cast stone, tile, metal, or masonry...*
- Access and Circulation Guidelines
 - Multimodal
 - Pedestrian
 - **Crosswalks should be clearly painted/identified with signage.**
 - *Ensure that pedestrian street crossings meet Walkability Plan level of service recommendations. At a minimum provide crosswalks that:*
 - Are well-marked and visible to vehicles
 - Include pedestrian and intersection amenities to notify drivers that there is a pedestrian crossing present and enhance the local urban design context and character
 - Provide for safety for all age/ability groups
 - Ensure adequate line-of-sight from pedestrian to automobile and automobile to pedestrian
 - *Pedestrian and bike access should be provided to adjacent or onsite regional trail corridors (see TrailsKC Plan) or other established trail corridor.*
 - Vehicular
 - **The layout of the plat shows several street connections that could reasonably be made to increase overall connectivity. There needs to be more balance between cul-de-sacs and street connections.**
 - *Streets should form a network with frequent intersections and connect neighborhoods, nodes, corridors, and districts. Continue streets through to as many adjacent developments as possible or allow for future connections where topography permits. Maximize street connections in new development.*

PROJECT NAME:

ARROWHEAD LAKES

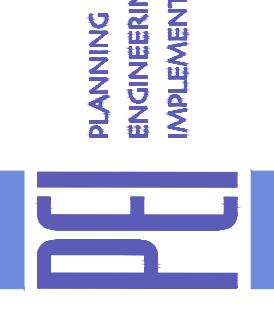
WATERSHED NAME: BLUE RIVER

PART OF THE NORTHEAST QUARTER OF SECTION 32 TOGETHER WITH SECTION 33 AND THE
AND THE SOUTHEAST QUARTER OF SECTION 34, TOWNSHIP 47, RANGE 33,
IN KANSAS CITY, JACKSON COUNTY, MISSOURI

INDEX

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10-12.1	UTILITY
13	PRELIMINARY VEHICULAR CIRCULATION
14	STREET NAMING PLAN
15-16	TREE PRESERVATION PLAN
L1-L4	LANDSCAPING PLAN

PHELPS ENGINEERING, INC.
1220 N. WICHITA
OLATHE, KS 66201
(913) 393-1155 OFFICE
(913) 393-1166 FAX
EMAIL: MHAAS@HAAS-ENTERPRISE.NET
www.phelpseengineering.com



PREPARED & SUBMITTED BY:
PHELPS ENGINEERING, INC.
1270 N. WINCHESTER
OLATHE, KS 66201
(913) 393-1155 OFFICE
(913) 393-1166 FAX
CONTACT: JUDD CLAUSSEN, P.E.

OWNER/DEVELOPER:

ARROWHEAD LAKES, LLC
ATTN: MICHAEL HAAS
9811 MELROSE STREET
OVERLAND PARK, KS 66214
EMAIL: MHAAS@HAAS-ENTERPRISE.NET

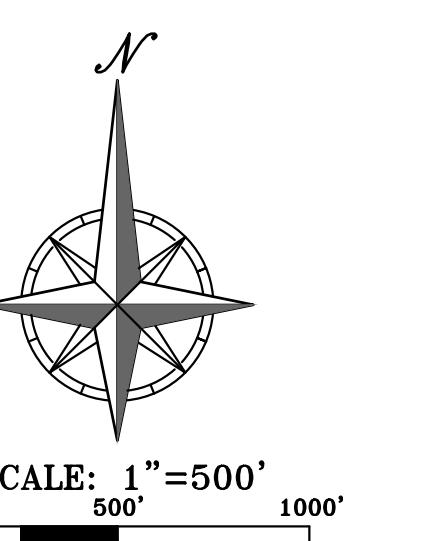
COVER SHEET
ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI



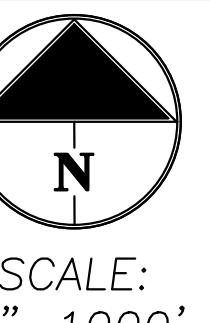
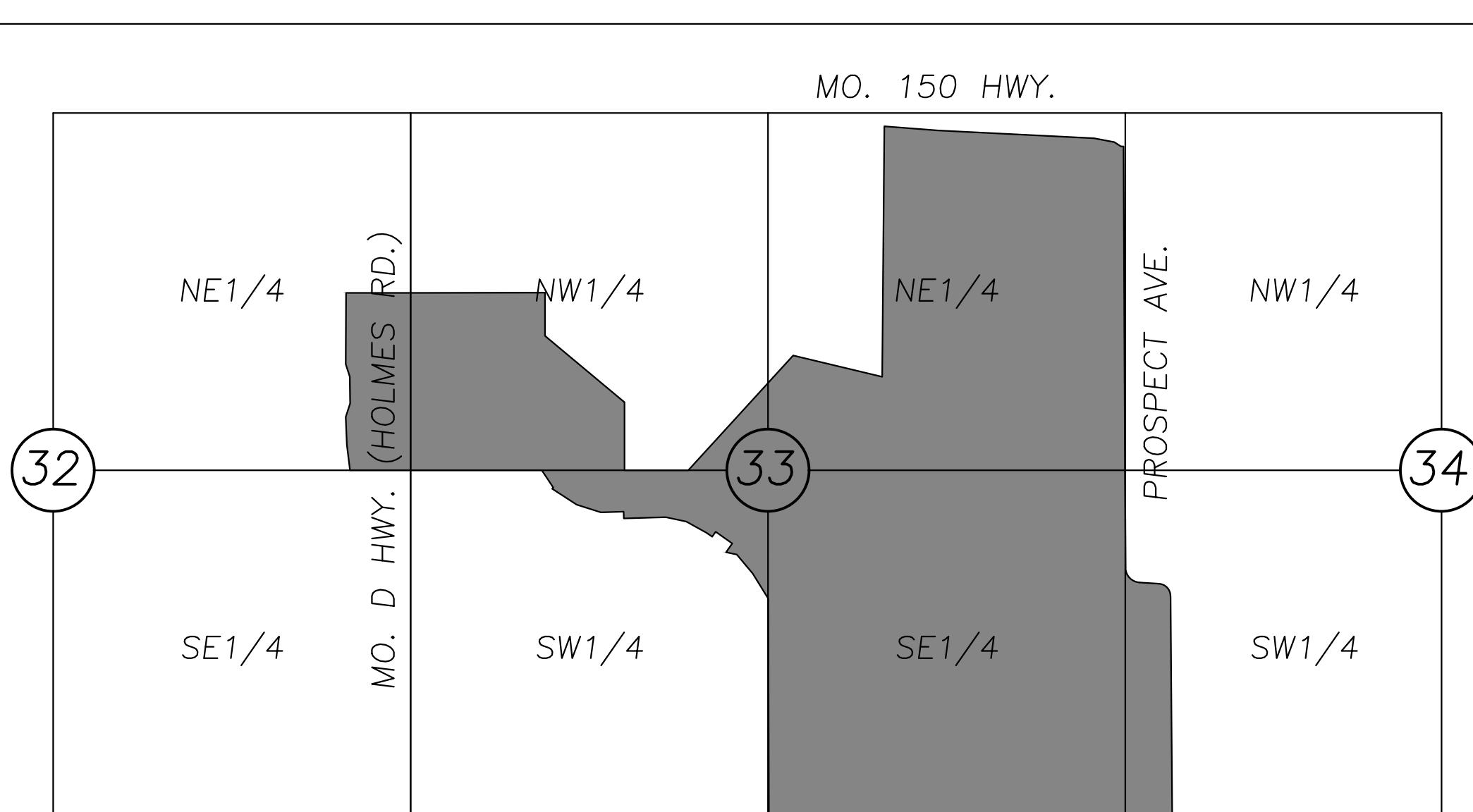
811
Know what's below.
Call before you dig.

LEGEND

PROPERTY BOUNDARY



VICINITY MAP
SEC. 34-47-33
SEC. 33-47-33
SEC. 32-47-33

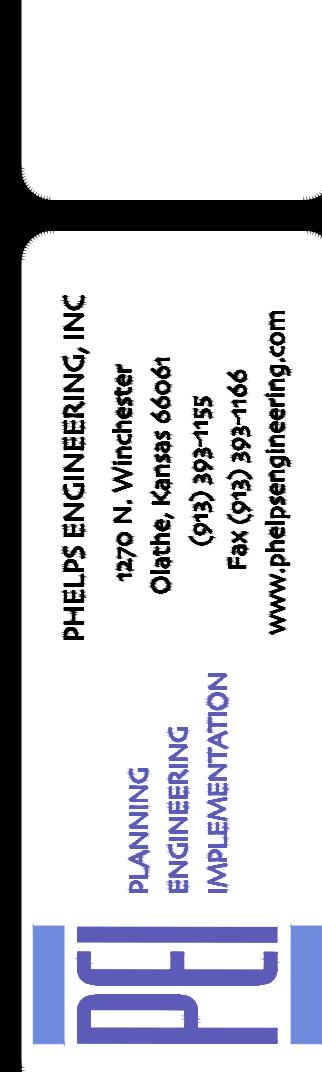
SCALE:
1"=1000'

CONSTRUCTION PERMIT FILE NO. _____

- FOR CONSTRUCTION
 NOT FOR CONSTRUCTION

PROJECT NO.	STREET	NO.	Date	Revised by
1	BIG RD.	1	7/14/23	REVISED PER CITY COMMENTS
2	BIG RD.	2	9/16/23	REVISED PER CITY COMMENTS
3	PROSPECT AVE.			
4	PROSPECT AVE.			

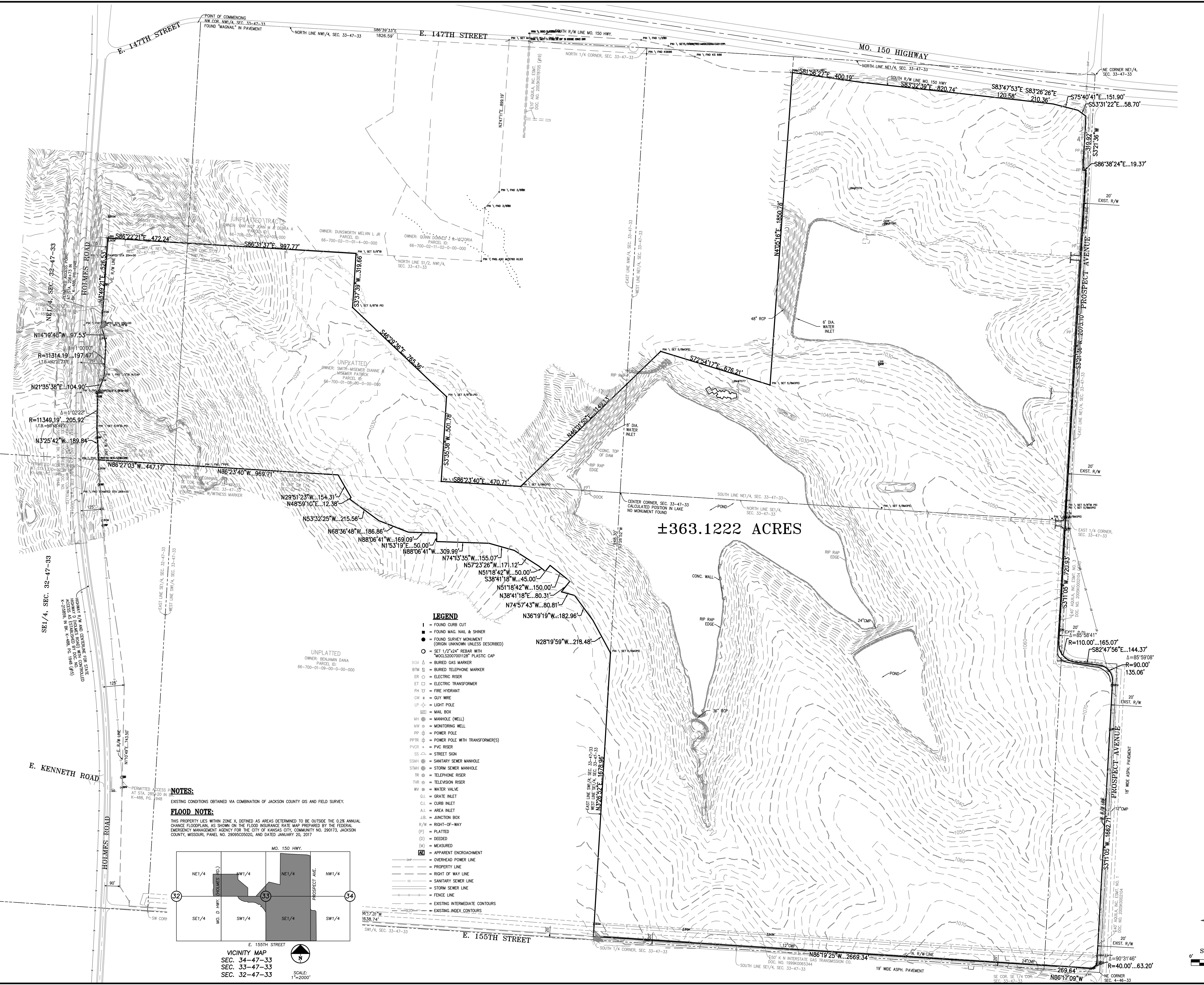
EXCELSIOR SURVEYING CO., INC.
1220 N. WICHITA
OLATHE, KS 66201
(913) 393-1155
FAX: (913) 393-1166
CERTIFICATE OF AUTHORIZATION
AND SIGNING: 20230728
AND ENDING: 20230828



EXISTING CONDITIONS

ARROWHEAD LAKES

CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI



PRELIMINARY PLAT
ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI

PHEIDS ENGINEERING, INC.
PLANNING
ENGINEERING
IMPLEMENTATION
Olathe, Kansas 66061
(913) 933-1155
Fax: (913) 933-1146
www.pheidsengineering.com

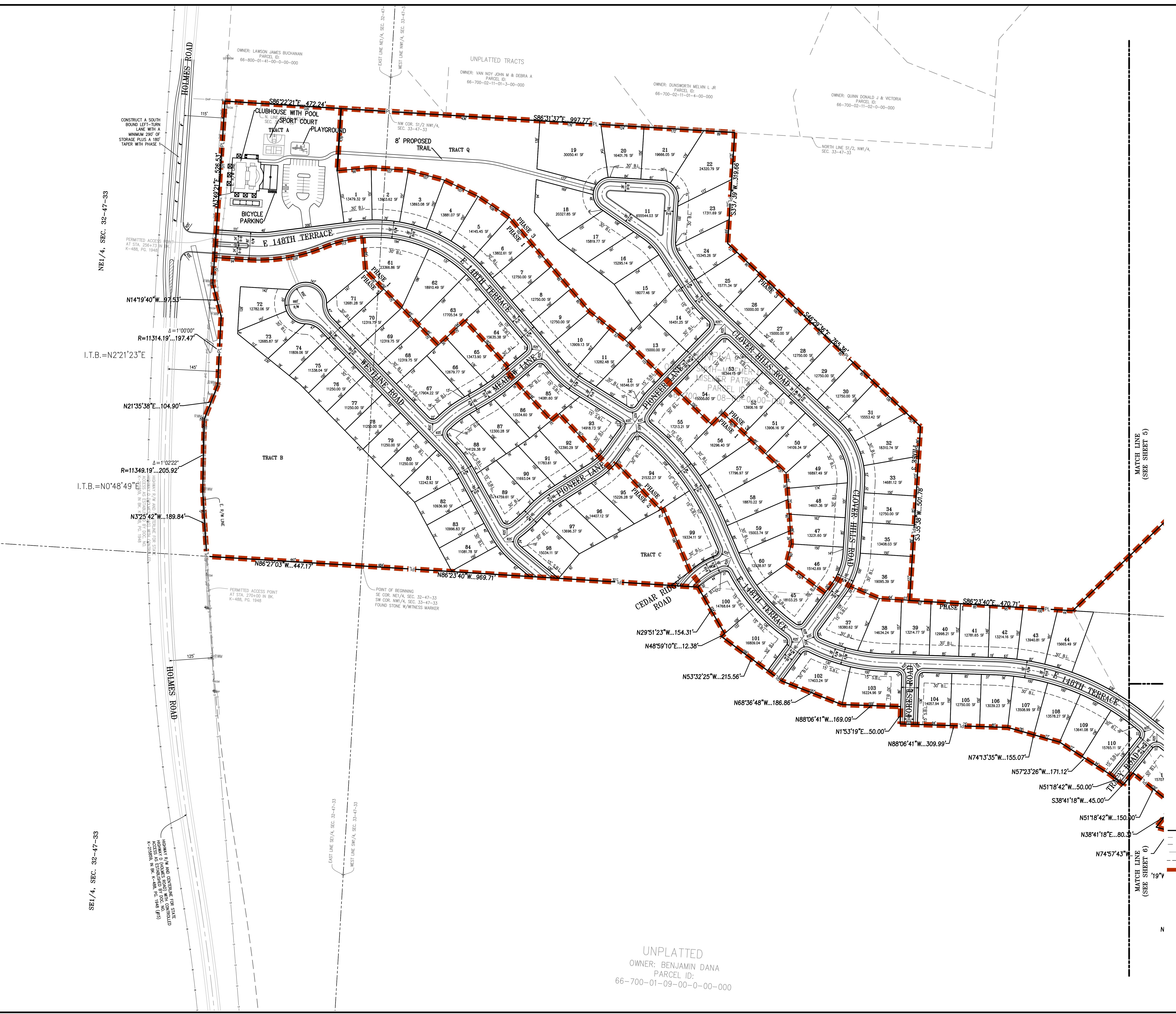


ENLARGED PRELIMINARY PLAT ARROWHEAD LAKES


CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI

PHEIDS ENGINEERING, INC.
1220 N. Wetherbee
Olathe, Kansas 66201
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SHEET 4







UTILITY PLAN

ARROWHEAD LAKES


CITY OF KANSAS CITY, JACKSON CO.

**ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI**

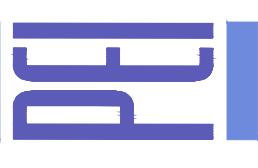
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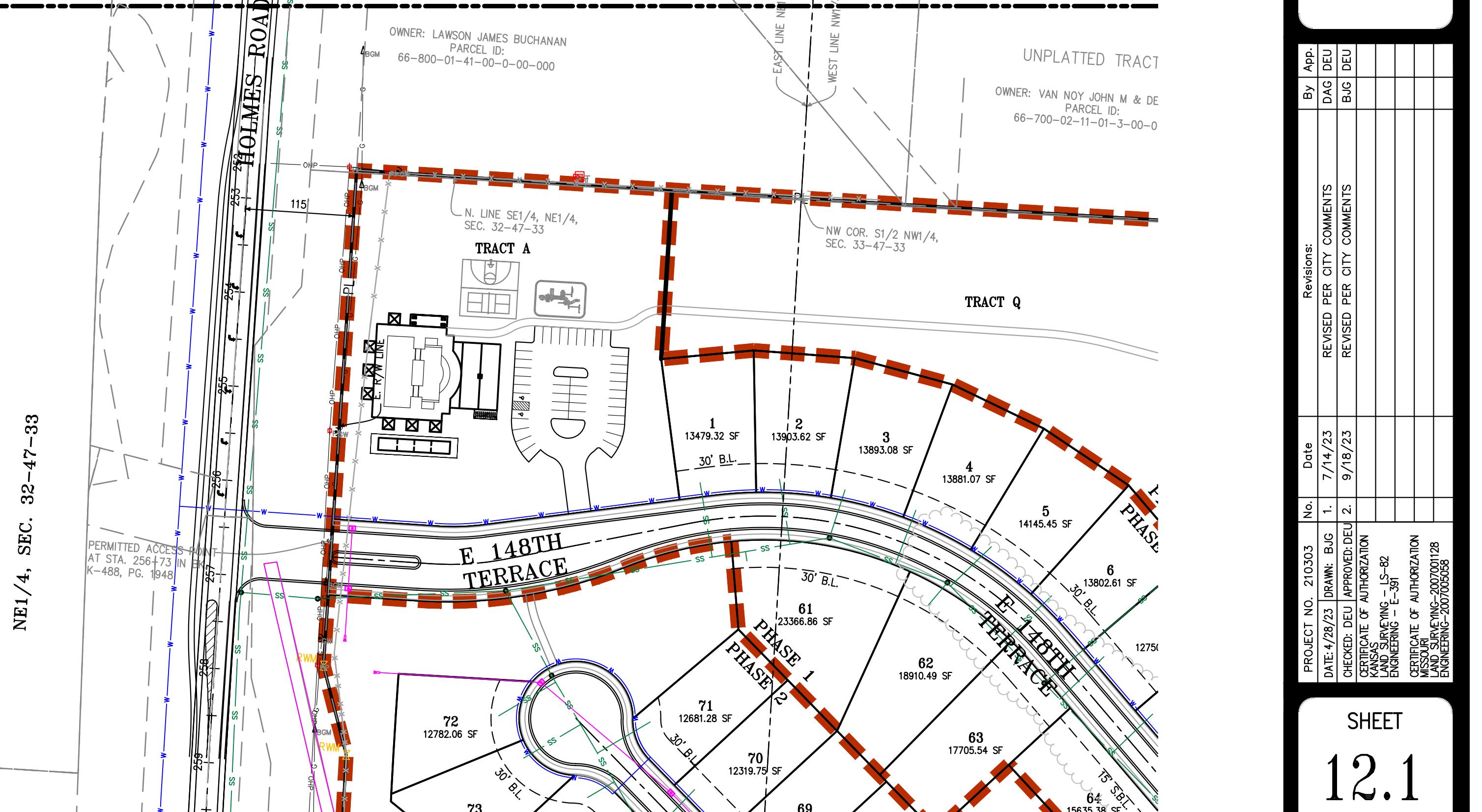
UTILITY PLAN
ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI



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SHEET


12.1



VEHICULAR CIRCULATION / ROADWAY CLASSIFICATION

STALAR CIRCULATION / ROADWAY CLASSIFICATION

PHELPS ENGINEERING, INC.
1270 N. Winchester
Olathe, Kansas 66061
(913) 393-1155
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EXISTING CONDITIONS TREE PLAN
ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI

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www.phepsengineering.com



TREE PRESERVATION AND MITIGATION PLAN

ARROWHEAD LAKES
CITY OF KANSAS CITY, JACKSON COUNTY, MISSOURI

SHEET

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