

#### UTILITIES

WATER & SANITARY SEWER City of Lee's Summit Water Utilities 1200 SE Hamblen Road Lee's Summit, MO Phone:816.969.1900

ELECTRICITY Kansas City Power and Light Phone: 816.471.5275

GAS

Missouri Gas Energy PO Box 219255 Kansas City, Missouri 64141 Phone: 816.756.5252

#### Oil / Gas Well Note:

There is no visible evidence, this date, of abandoned oil or gas wells located within the property boundary, as identified in "Environmental Impact Study of Abandoned Oil and Gas Wells in Lee's Summit, Missouri", by Edward Alton May.

#### Flood Plain Note

We have reviewed the F.E.M.A. Flood Insurance Rate Map Number 29095C0417G, revised January 20, 2017, this tract graphically lies in OTHER AREAS, ZONE X, defined as areas determined to be outside the 0.2% annual chance floodplain.





Time Warner Cable Phone: 816.222.5952

CABLE TV Comcast Phone: 816.795.1100

Time Warner Cable Phone: 816.358.8833

EG. 233 



# Final Development Plans For McKeever's Market & Eatery #950 840 NW Pryor Road Lee's Summit, Jackson County, Missouri



# LEGEND

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Existing Section Line
Existing Right-of-Way Line
Existing Lot Line
Existing Easement Line
Existing Curb & Gutter
Existing Sidewalk
Existing Storm Sewer
Existing Storm Structure
Existing Waterline
Existing Gas Main
Existing Sanitary Sewer
Existing Sanitary Manhole
Existing Contour Major
Existing Contour Minor

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Proposed Right-of-Way Proposed Property Line Proposed Lot Line Proposed Easement Proposed Curb & Gutter Proposed Sidewalk **Proposed Storm Sewer** Proposed Storm Structure Proposed Fire Hydrant Proposed Waterline Proposed Sanitary Sewer Proposed Sanitary Manhole Proposed Contour Major Proposed Contour Minor Future Curb and Gutter

DEVELOPER/APPLICANT	II	NDEX OF SHEETS
Super Market Developers, Inc.	Sheet Number	Sheet Title
Attn: Joel Riggs	C01	Title Sheet
5000 Kansas Avenue	C02	General Layout
Kalisas City, Kalisas 00100	C03	Existing Conditions
CONSULTANT	C04	Site Plan
Renaissance Infrastructure Consulting	C05	Grading Plan
Dustin Burton, P.E.	C06	Grading Details
1815 McGee Street, Suite 200	C07	Grading Details
Kalisas City, MO 64106	C08	Site Utility Plan
	C09	Site Drainage - Roof Drains
	C10	Drainage Area Map
	C11	Erosion Control Stage A
	C12	Erosion Control Stage B
	C13	Erosion Control Stage C
	C14	TYPICAL DETAILS- GENERAL
	C15	TYPICAL DETAILS-GENERAL
	C16	TYPICAL DETAILS-STORM
	C17	TYPICAL DETAILS-SANITARY
	C18	TYPICAL DETAILS-WATER
	L01- L02	Landscape Plans

### **GENERAL NOTES**

All construction shall be in accordance with the current City of Lee's Summit "Design and Construction Manual" as adopted by Ordinance 5813. Where discrepancies exist between the Final Development Plan and the Design and Construction Manual, the Design and Construction Manual shall govern.

- 1. The Contractor shall be responsible for obtaining insurance and securing all bonds, as required by the Contract Documents, the City of Lee's Summit, Mo., and all other governing agencies (including local, county, state, and federal authorities) having jurisdiction over the work proposed by these Construction Documents. The cost for all bonds, and insurance shall be the contractor's responsibility and shall be included in the bid for the work.
- All existing utilities indicated on the drawings are according to the best information available to the engineer; however, all utilities actually existing may not be shown. The contractor shall be responsible for contacting all utility companies for an exact field location of each utility prior to any construction. All utilities, shown and not shown, damaged through the negligence of the contractor shall be repaired or replaced by the contractor at his/her expense.
- 3. The contractor shall be responsible for all damages to existing utilities, pavement, fences, structures, and other features caused by construction activities not designated for removal. The contractor shall repair all damages at his/her expense.
- 4. The demolition of existing pavement, curbs, structures, and all other features necessary to construct the proposed improvements, shall be performed by the contractor. All waste material removed during construction shall be disposed off the project site. The contractor shall be responsible for all permits for hauling and disposing of waste material. The disposal of waste material shall be in accordance with all local, state, and federal regulations.
- By use of these construction documents the contractor hereby agrees that he shall be solely responsible for the safety of the construction workers and the public. The contractor agrees to hold the engineer and owner harmless for any and all injuries, claims, losses, or damages related to the project.
- The contractor shall be responsible for providing all signage, barricades, lighting, etc., as required for temporary traffic control during the construction of this project. Maintenance of the temporary traffic control devices will be the contractor's responsibility. All traffic control in conduction with construction in the right-of-way shall be in conformance with the City Traffic Control Requirements.
- 7. Contractor shall furnish evidence that his/her insurance meets the requirements of the City of Lee's Summit, Missouri Municipal Code.
- 8. Prior to installing, constructing, or performing any work on the public storm sewer line (including connecting private drainage systems to the storm sewer), contact the City of Lee's Summit Development Engineering Inspections. 9. Connections to the public storm sewers between structures shall not be permitted.
- 10. Contractor shall verify and accept existing topography shown herein. Contractor shall notify Engineer of any discrepancies found prior to any earthwork activities.
- 11. Planning and Codes Administration require retaining wall design by a registered engineer in the State of Missouri.
- 12. Geogrid, footings, or other elements of the retaining wall(s) shall not encroach into the right of way or public easements.
- 13. A Knox Box shall be provided for Each Building.
- 14. All building and life safety issues shall comply with the 2012 International Fire Code and local amendments as adopted by the City of Lee's Summit.







ll 25 , 2019-11:11am RIC Design\2018\18-0281 AWG Lee's Summit McKeever's\Dwg\FDP\General Layout.dw LOT 6 of STREETS OF WEST PRYOR LOTS 1 THRU 14, TRACTS "A", "B", "C", & "D"

#### LOT DESCRIPTION:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 35; THENCE ON THE WEST LINE OF SAID SOUTHEAST QUARTER, ON AN ASSUMED BEARING OF S 02°27'18" W 332.72 FEET; THENCE N 31°23'08" E 362.27 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF INTERSTATE 470; THENCE ON SAID SOUTHERLY RIGHT-OF-WAY LINE, S 85°14'51" E 359.55 FEET TO THE NORTHWEST CORNER OF GERBER HEIGHTS RECORDED IN BOOK 151, PAGE 74; THENCE ON THE WESTERLY LINE OF SAID GERBER HEIGHTS, S 24°49'45" E 579.75 FEET TO THE SOUTHWEST CORNER OF SAID GERBER HEIGHTS; THENCE ON THE SOUTH LINE OF SAID GERBER HEIGHTS, S 85°07'20" E 511.36 FEET TO THE SOUTHEAST CORNER OF SAID GERBER HEIGHTS; THENCE S 02°27'18" W 866.84 FEET; THENCE S 87°32'44" E 21.89 FEET; THENCE S 16°12'11' E 97.91 FEET; THENCE N 73°47'49" E 28.02 FEET TO THE POINT OF BEGINNING; THENCE N 73°47'49" E 42.44 FEET TO THE BEGINNING OF A TANGENT CURVE THE RIGHT; THENCE NORTHEASTERLY AND EASTERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 250.00 FEET, AN ARC LENGTH OF 81.41 FEET, AND WHOSE CHORD BEARS N 83°07'33" E 81.05 FEET; THENCE S 87°32'44" E 621.35 FEET TO THE BEGINNING OF A NON-TANGENT CURVE TO THE LEFT, ALSO BEING ON THE WESTERLY RIGHT-OF-WAY LINE OF NW PRYOR ROAD; THENCE SOUTHEASTERLY ON THE ARC OF SAID CURVE AND SAID WESTERLY RIGHT-OF-WAY LINE, HAVING A RADIUS OF 1260.00 FEET, AN ARC LENGTH OF 342.18 FEET, AND WHOSE CHORD BEARS S 07°37'10" E 341.13 FEET; THENCE S 74°36'02" W 62.33 FEET; THENCE N 87°32'44" W 367.81 FEET; THENCE S 02°27'16" W 86.95 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT; THENCE SOUTHERLY AND SOUTHEASTERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 104.00 FEET, AN ARC LENGTH OF 120.48 FEET, AND WHOSE CHORD BEARS S 30°43'59" E 113.86 FEET TO THE BEGINNING OF A REVERSE CURVE TO THE RIGHT; THENCE SOUTHEASTERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 116.00 FEET, AN ARC LENGTH OF 77.19 FEET, AND WHOSE CHORD BEARS S 44°51'25" E 75.78 FEET; THENCE S 25°47'35" E 19.08 FEET; THENCE S 64°12'25" W 43.00 FEET; THENCE N 25°47'35" W 19.08 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT; THENCE NORTHWESTERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 73.00 FEET, AN ARC LENGTH OF 48.58 FEET, AND WHOSE CHORD BEARING N 44°51'25" W 47.69 FEET TO THE BEGINNING OF A REVERSE CURVE TO THE RIGHT; THENCE NORTHWESTERLY AND NORTHERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 147.00 FEET, AN ARC LENGTH OF 170.29 FEET, AND WHOSE CHORD BEARS, N 30°43'59" W 160.93 FEET; THENCE N 02°27'16" E 60.96 FEET; THENCE N 87°32'44" W 185.86 FEET; THENCE S 02°27'16" W 40.00 FEET; THENCE S 43°03'52" W 107.89 FEET; THENCE N 46°56'08" W 220.22 FEET; THENCE N 43°03'52" E 49.28 FEET TO THE BEGINNING OF A TANGENT CURVE TO THE LEFT; THENCE NORTHEASTERLY AND NORTHERLY ON THE ARC OF SAID CURVE HAVING A RADIUS OF 300.00 FEET, AN ARC LENGTH OF 315.86 FEET, AND WHOSE CHORD BEARS N 13°57'34" E 301.47 FEET TO THE POINT OF BEGINNING.

CONTAINS 311,668 SQUARE FEET, 7.15 ACRES MORE OR LESS.



1"=40' 0 20' 40'



# Sheet C03 #950 souri Plans Eatery on Mis: ent $\infty$ $\infty$ larket 0 Ω $\geq$ S $\square$ Final ≳ ທ McKee Lee's S d H ()σ Existir C.R. പ ance UL Ct ulting Ī Str enais ന്ത N **'** ك DUSTIN J BURTON NUMBER

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TC:	Top of Curb
<b>&gt;</b> :	Pavement
TS:	Top of Structure
FL:	Flowline of Pipe
G:	Ground
(HP)	High Point
(LP)	Low Point
TW:	Top of Wall
BW:	Bottom of Wall

### GRADING AND CLEARING NOTES:

- Existing utilities as shown are approximate locations only, it shall be the responsibility of the contractor to verify the locations of all existing utilities prior to the start of any construction work. Any damage to existing structures utilities, fences and/or incidentals not designated for removal shall be repaired at the contractors expense.
- Prior to final acceptance of the project, all slopes and areas disturbed by construction shall be graded smooth and a minimum of four inches of topsoil applied. If adequate topsoil is not available on site, the contractor shall provide topsoil, approved by the owner, as needed. The area shall then be seeded, fertilized, mulched, watered and maintained until hardy grass growth is established in all areas. Any areas disturbed for any reason prior to final acceptance of the project shall be corrected by the contractor at no additional cost to the owner.
- 3. Prior to ordering precast structures, shop drawings shall be submitted to the design engineer for approval. The contractor is responsible obtaining, city, state, or utility approval for any items under their jurisdiction.
- . Areas of construction shall be stripped of all vegetation, organic matter and topsoil to a depth as recommended by geotechnical engineer and/or testing agency. Soils removed during site stripping should be evaluated to determine if portions of the topsoil stratum may be utilized as structural fill within pavement areas. any material not deemed as suitable fill material by the geotechnical engineer and/or testing agency shall be removed from the job site by the contractor at his expense.
- Contractor shall adhere to the site preparation and structural fill recommendations as called out in the geotechnical report and engineering evaluation as provided by the geotechnical engineer.
- 6. All fill material is to be in place, compacted, and consolidated before installation of proposed utilities. On-site geotechnical engineer shall provide written confirmation that this requirement has been met and that utilities may proceed in the fill areas. All utilities are to be placed in trench conditions.
- 7. The contractor shall sod all disturbed areas within the public street right-of-way unless otherwise noted on the plans or if specific written approval is granted by the city.



Sheet C05 #950 souri Plans atery nt Š  $\bigcirc$  $\infty$ 2  $\Box$ Final <u>ຣ</u> ທ McKe Lee's ဟ Рla ading C 99 C.R. ð Renaissance nfrastructur Consulting





Partial Grading Detail Plan (Receiving Area) Scale:1" = 20'



ADA Parking Grading Detail Plan Scale:1" = 20'

### <u>NOTES</u>

- 1. See "Title Sheet" C01 for General Notes. See "Grading Plan" C05 for Grading Notes.
- 2. Storm Structure Information shown is taken from the "Streets of West Pryor Final Dainage Study" Prepared by Kaw Valley Engineering, Inc., 2319 N. Jackson, Junction City, Kansas, 66441, (785)762-5040 . Renaissance Infrastucture Consulting is not responsible for the accuracy of the information shown hereon and the accompaning tables shown on sheet C09.
- 3. The Contractor shall verify existing structures locations, sizes and descriptive type information prior to beginning construction activities.

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# LEGEND

- TC: Top of Curb
- P: Pavement
- TS: Top of Structure
- FL: Flowline of Pipe
- G: Ground
- (HP) High Point
- (LP) Low Point TW: Top of Wall
- BW: Bottom of Wall





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#### LEGEND

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#### NOTES

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![](_page_9_Picture_2.jpeg)

X.X X Drainage Area (Acres) Discharge Point

LEGEND:

(XX) Proposed Drainage Structure (By Others)

# NOTE

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![](_page_9_Picture_7.jpeg)

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Sheet

C10

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CE	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES
	Construction Entrance	В	Install Construction Entrance in accordance with APWA Standard Detail ESC-01
	Staging Area	В	Install Staging Area
	Perimeter Silt Fence	С	Install Silt Fence in accordance with APWA Standard Detail ESC-03
	Concrete Washout	В	Install Concrete Washout as Shown on Plans Prior to Pouring Any Concrete in accordance with APWA Standard Detail ESC-01
	Inlet Protection	С	Install Filter Bags Prior to Construction
	Establish Perennial Vegetation	N/A	Redistribute Topsoil and Seed and Mulch all Disturbed Area. Stabilization Complete when 100% of Disturbed Area is Established with Perennial Vegetation with a Density of 70%
	for Site Improvemen	to + 2 20	Acros

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Ξ	BMP DESCRIPTION	REMOVE AFTER STAGE	NOTES
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	Staging Area	В	Install Staging Area
	Perimeter Silt Fence	С	Install Silt Fence in accordance with APWA Standard Detail ESC-03
	Concrete Washout	В	Install Concrete Washout as Shown on Plans Prior to Pouring Any Concrete in accordance with APWA Standard Detail ESC-01
	Sediment Trap	С	Install Sediment Trap as Shown in Details and in accordance with Standard Detail ESC-08
	Inlet Protection	С	Install Filter Bags Prior to Construction
	Establish Perennial Vegetation	N/A	Redistribute Topsoil and Seed and Mulch all Disturbed Area. Stabilization Complete when 100% of Disturbed Area is Established with Perennial Vegetation with a Density of 70%
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#### Section 2721

#### **Engineered Surface Drainage Products**

PVC surface drainage inlets shall include the drain basin type as indicated on the contract drawing and referenced within the contract specifications. The ductile iron grates for each of these fittings are to be considered an integral part of the surface drainage inlet and shall be furnished by the same manufacturer. The surface drainage inlets shall be as manufactured by Nyloplast a division of Advanced Drainage Systems, Inc., or prior approved equal.

The drain basins required for this contract shall be manufactured from PVC pipe stock, utilizing a thermoforming process to reform the pipe stock to the specified configuration. The drainage pipe connection stubs shall be manufactured from PVC pipe stock and formed to provide a watertight connection with the specified pipe system. This joint tightness shall conform to ASTM D3212 for joints for drain and sewer plastic pipe using flexible elastomeric seals. The flexible elastomeric seals shall conform to ASTM F477. The pipe bell spigot shall be joined to the main body of the drain basin or catch basin. The raw material used to manufacture the pipe stock that is used to manufacture the main body and pipe stubs of the surface drainage inlets shall conform to ASTM D1784 cell class 12454.

The grates and frames furnished for all surface drainage inlets shall be ductile iron for structure sizes 8", 10", 12", 15", 18", 24", 30" and 36" and shall be made specifically for each basin so as to provide a round bottom flange that closely matches the diameter of the surface drainage inlet. Grates for drain basins shall be capable of supporting various wheel loads as specified by Nyloplast. 12" and 15" square grates will be hinged to the frame using pins. Ductile iron used in the manufacture of the castings shall conform to <u>ASTM A536 grade 70-50-05</u>. Grates and covers shall be provided painted black.

The specified PVC surface drainage inlet shall be installed using conventional flexible pipe backfill materials and procedures. The backfill material shall be crushed stone or other granular material meeting the requirements of class 1, class 2, or class 3 material as defined in ASTM D2321. Bedding and backfill for surface drainage inlets shall be well placed and compacted uniformly in accordance with ASTM D2321. The drain basin body will be cut at the time of the final grade. No brick, stone or concrete block will be required to set the grate to the final grade height. For load rated installations, a concrete slab shall be poured under and around the grate and frame. The concrete slab must be designed taking into consideration local soil conditions, traffic loading, and other applicable design factors. For other installation considerations such as migration of fines, ground water, and soft foundations refer to ASTM D2321 guidelines.

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PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063 STANDARD PRECAST MANHOLE - SANITARY SEWER

Rev: 1/14

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