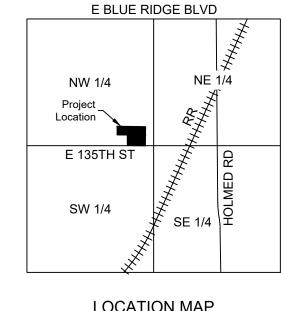
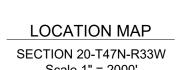
# Martin City Flexcave

Kansas City, Jackson County, MO Section 20, Township 47 N, Range 33 W

# Master Planned Development Final







250 E 135th St, Kansas City, MO 64145

#### Legal Description:

All of Lot 2 and Tract A, REPLAT OF TRACT NO. 2, LILLIS ESTATES, a subdivision in the City of Kansas City, Jackson County, Missouri

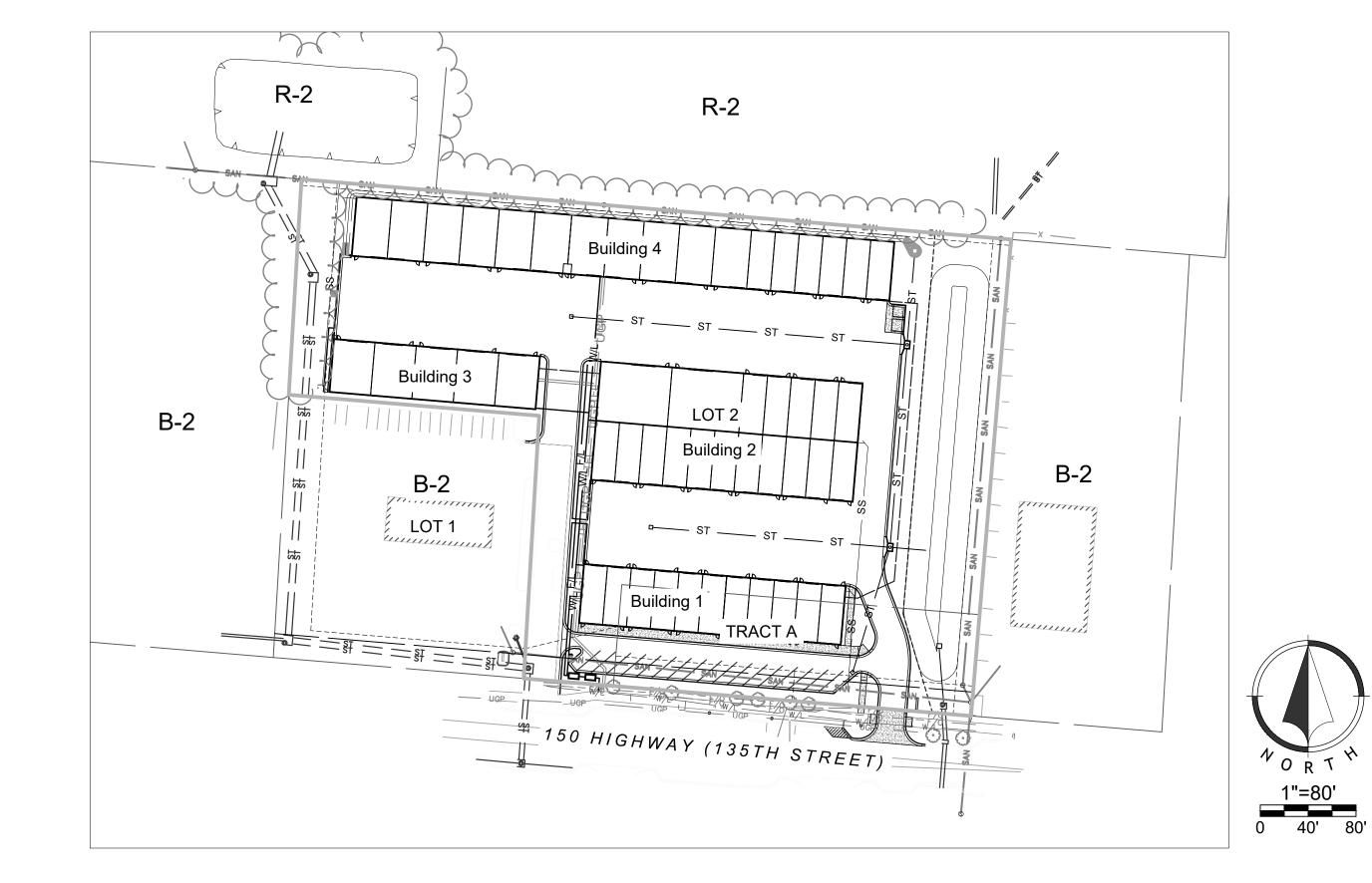
#### FLOOD PLAIN NOTE

According to the FEMA Flood Insurance Rate Map Number 29095C0389G, revised January 20, 2017, portions of this tract lie in: OTHER AREAS, ZONE X, defined as areas determined to be outside the 0.2% annual chance floodplain.

# ZONING

# Existing Zoning: B-2 Proposed Zoning: MPD

- Building 1 shall be limited to uses within the B2 zoning district.
- Buildings 2, 3 and 4 are limited to Self Storage and Warehouse, Manufacturing, and Production, (Artisanal), Warehousing, Wholesaling, Storage, and Freight Movement (Indoor), Sports and Recreation, Participant (Indoor), Personal Improvement Services, Business Equipment Sales and Services, Building Maintenance Services, Artist Work or Sales Space, Food and Food Storage, and Office, Administrative, Professional or General. No outdoor storage is permitted.



	LEG	END	
	Existing Section Line		Proposed Right-of-Way
	Existing Right-of-Way Line		Proposed Property Line
	Existing Lot Line		Proposed Lot Line
	Existing Easement Line		Proposed Easement
	Existing Curb & Gutter		Proposed Curb & Gutter
	Existing Sidewalk		Proposed Sidewalk
	Existing Storm Sewer		Proposed Storm Sewer
	Existing Storm Structure	-	Proposed Storm Structure
- s/r s/r s/r	Existing Waterline	А	Proposed Fire Hydrant
- 0A3 0A3 0A3	Existing Gas Main	WATER WATER WATER	Proposed Waterline
	Existing Sanitary Sewer		Proposed Sanitary Sewer
<u></u>	Existing Sanitary Manhole	•	Proposed Sanitary Manhole
	Existing Contour Major		Proposed Contour Major
	Existing Contour Minor		Proposed Contour Minor
			Future Curb and Gutter
U/E	Utility Easement		
SS/E	Sanitary Sewer Easement	A/E	Access Easement
D/E	Drainage Easement	T/E	Temporary Easement

Sheet List Table					
Sheet Number	Sheet Title				
C01	Title Sheet				
C02	Existing Conditions				
C03	Site Plan				
C04	Site Utility Plan				
C05	Grading Plan				
C06	Pedestrian Access Plan				
C07	Preliminary Plat				
C08	Standard Details				
C09	Fire Truck Turning				
L01	Landscape Plan				
L02	Tree Mitigation Plan				
L03	Landscape Details				

Site Utility Plan	
Grading Plan	
Pedestrian Access Plan	
Preliminary Plat	
Standard Details	
Fire Truck Turning	
Landscape Plan	
Tree Mitigation Plan	
Landscape Details	

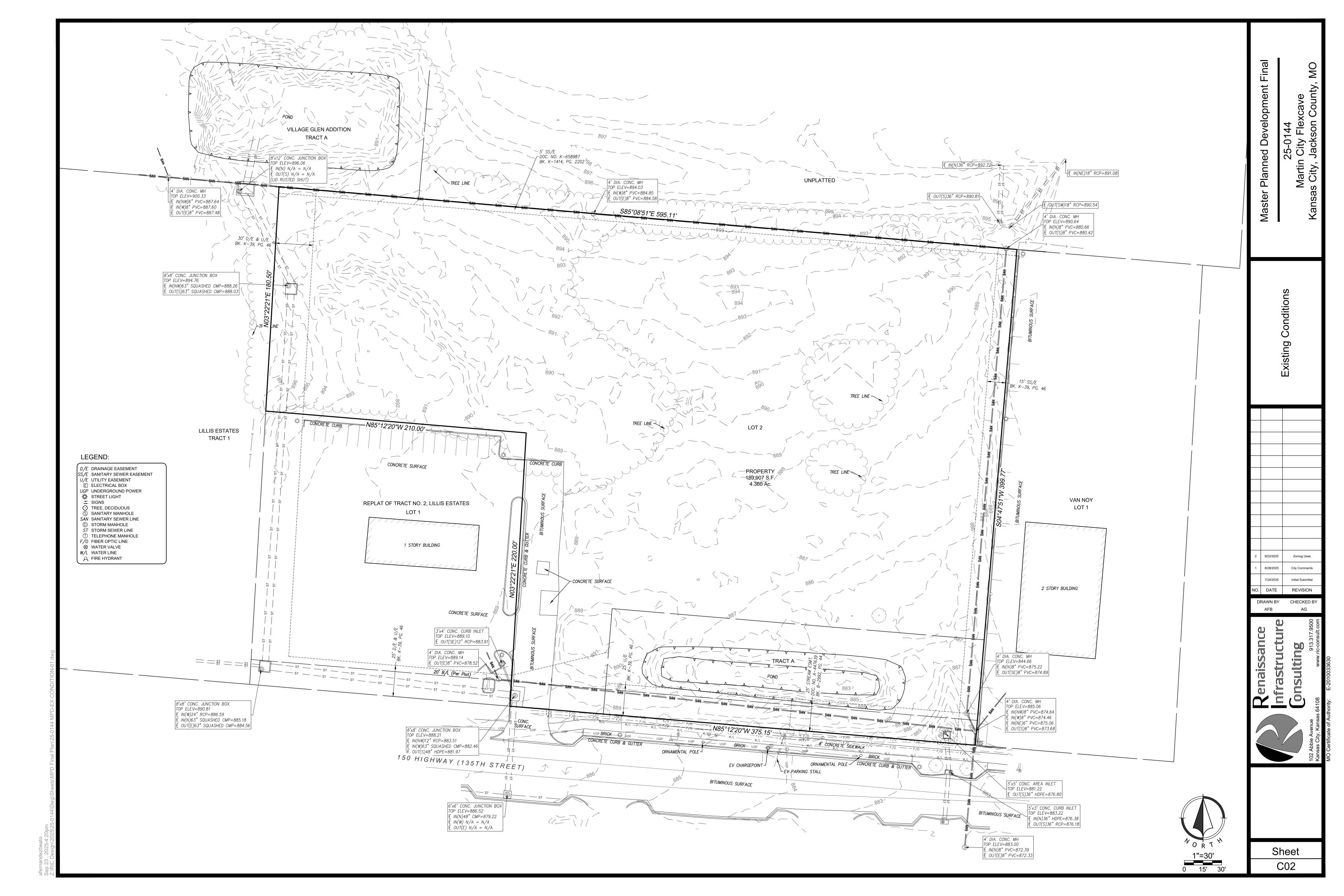
Consultant/Applicant:
Andy Gabbert
Agabbert@ric-consult.com
8653 Penrose Lane, Lenexa, KS 66218
(816) 800-0950

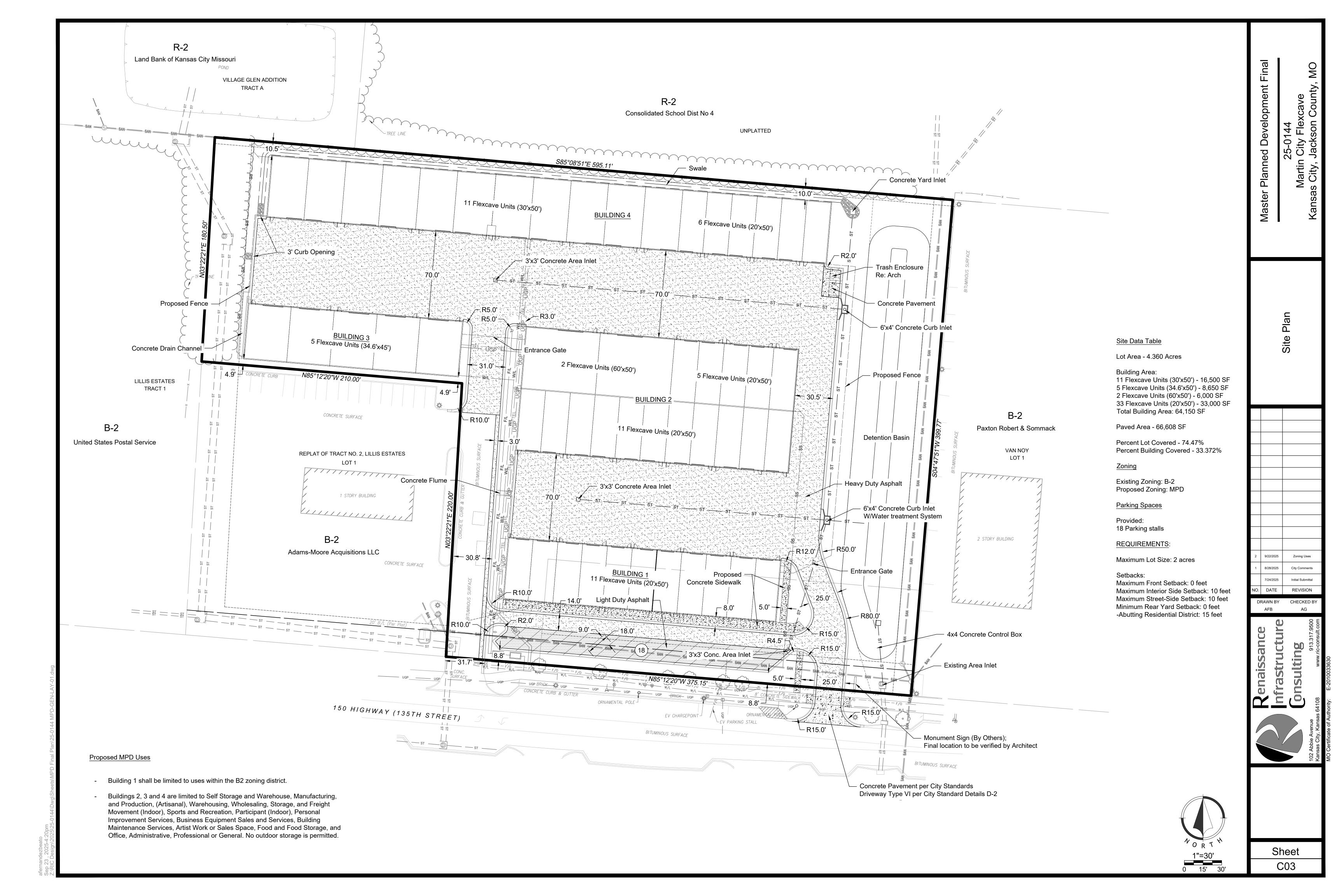
Prepared For:
Developer
Owner/Dev. Address
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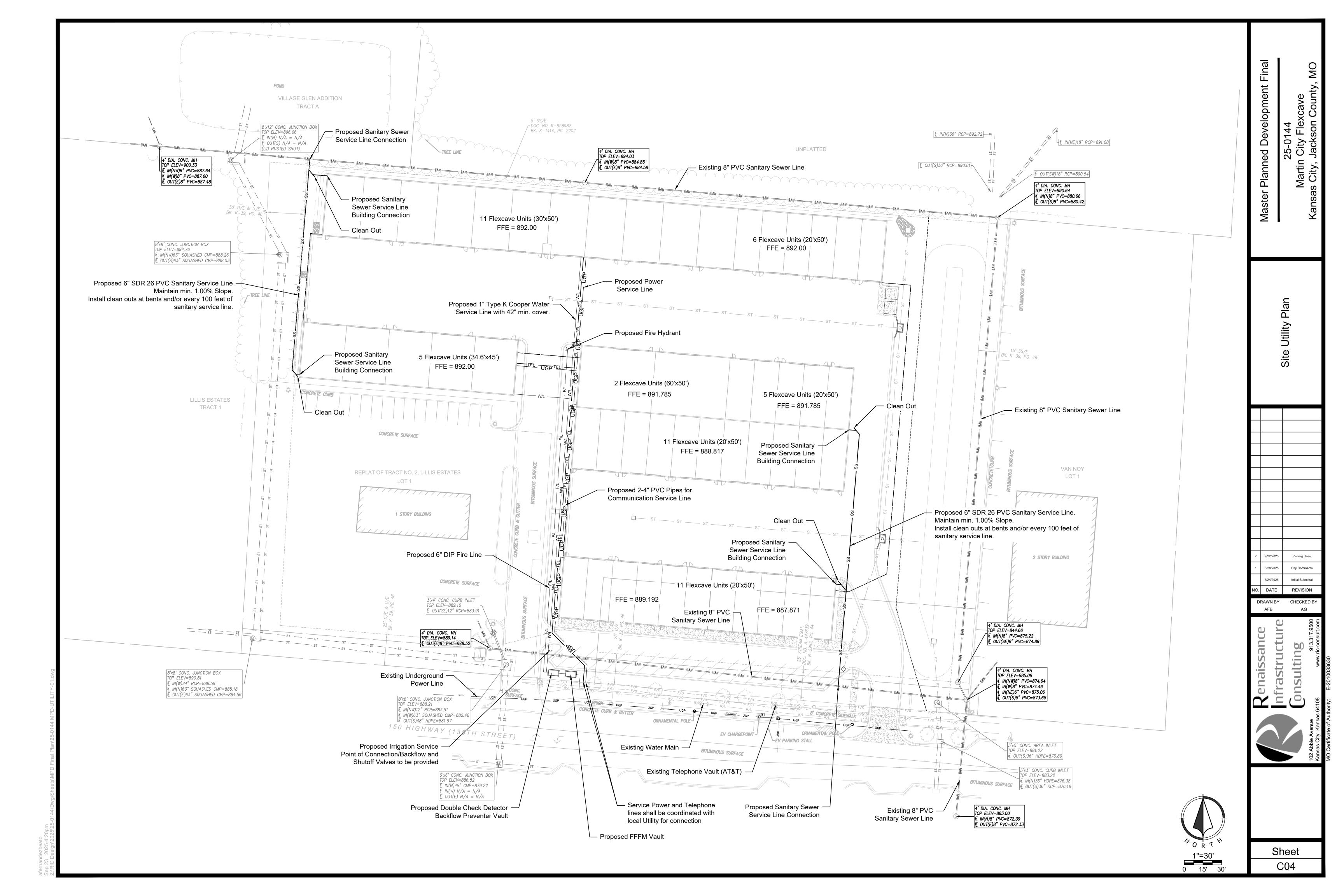


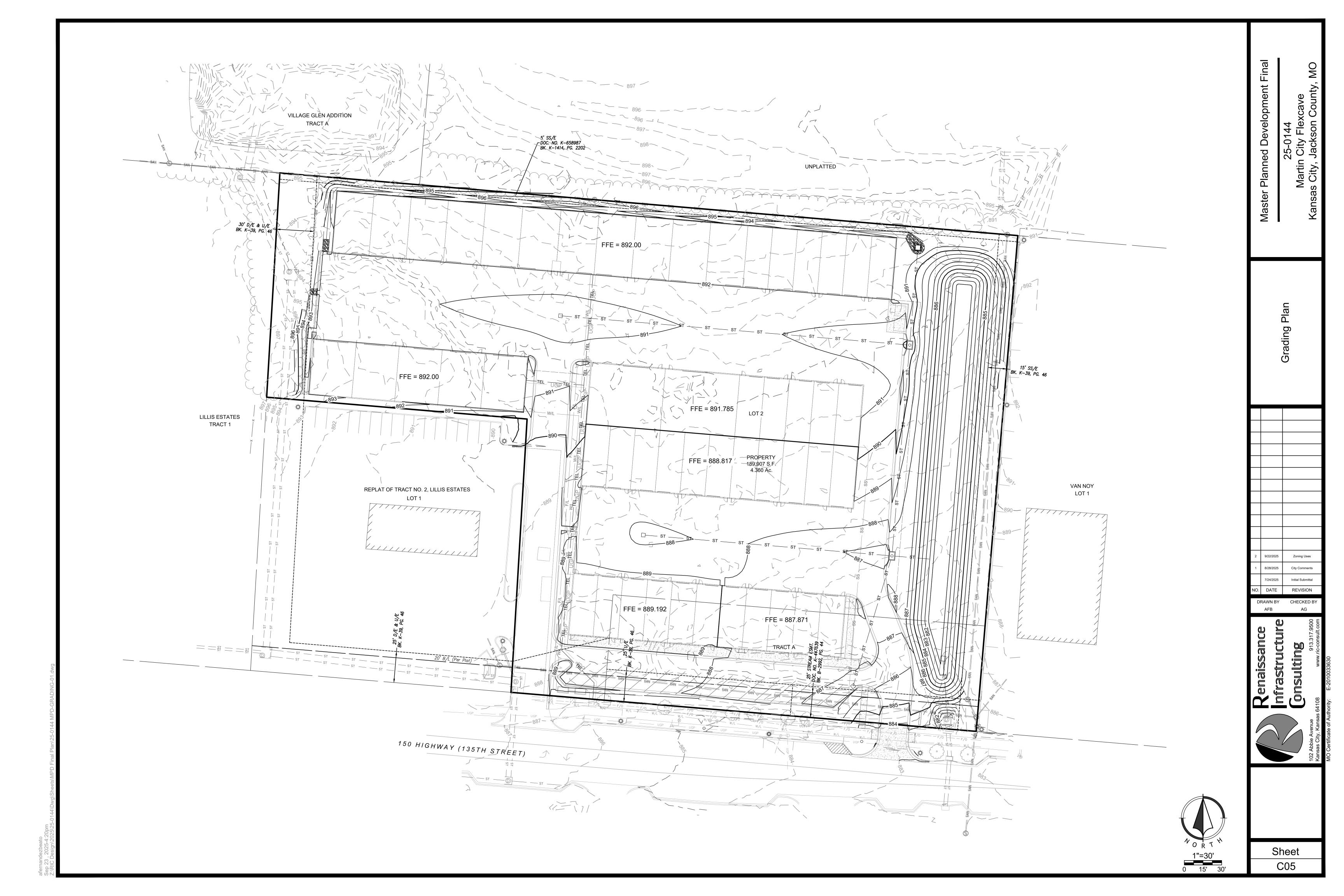
Sheet C01

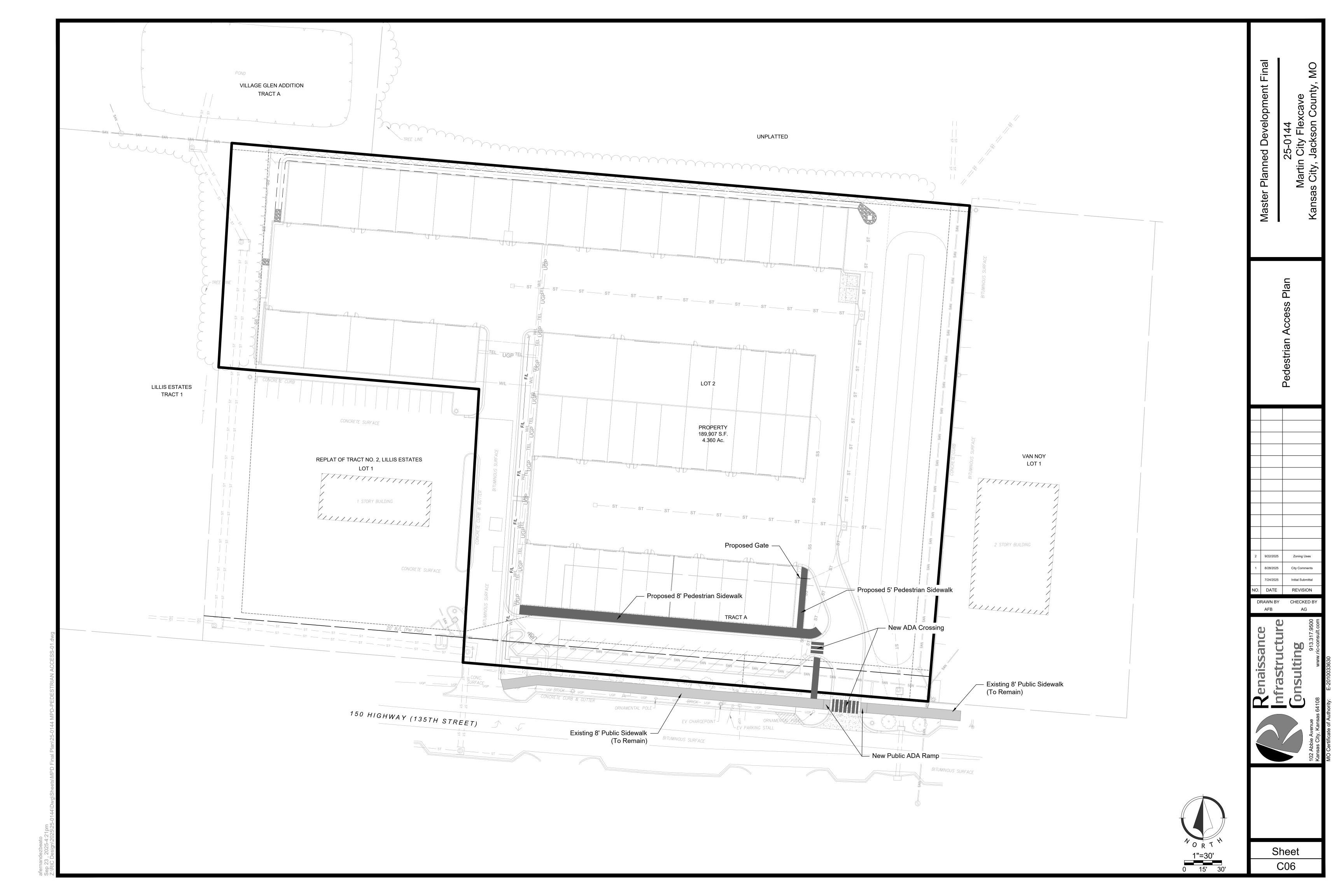
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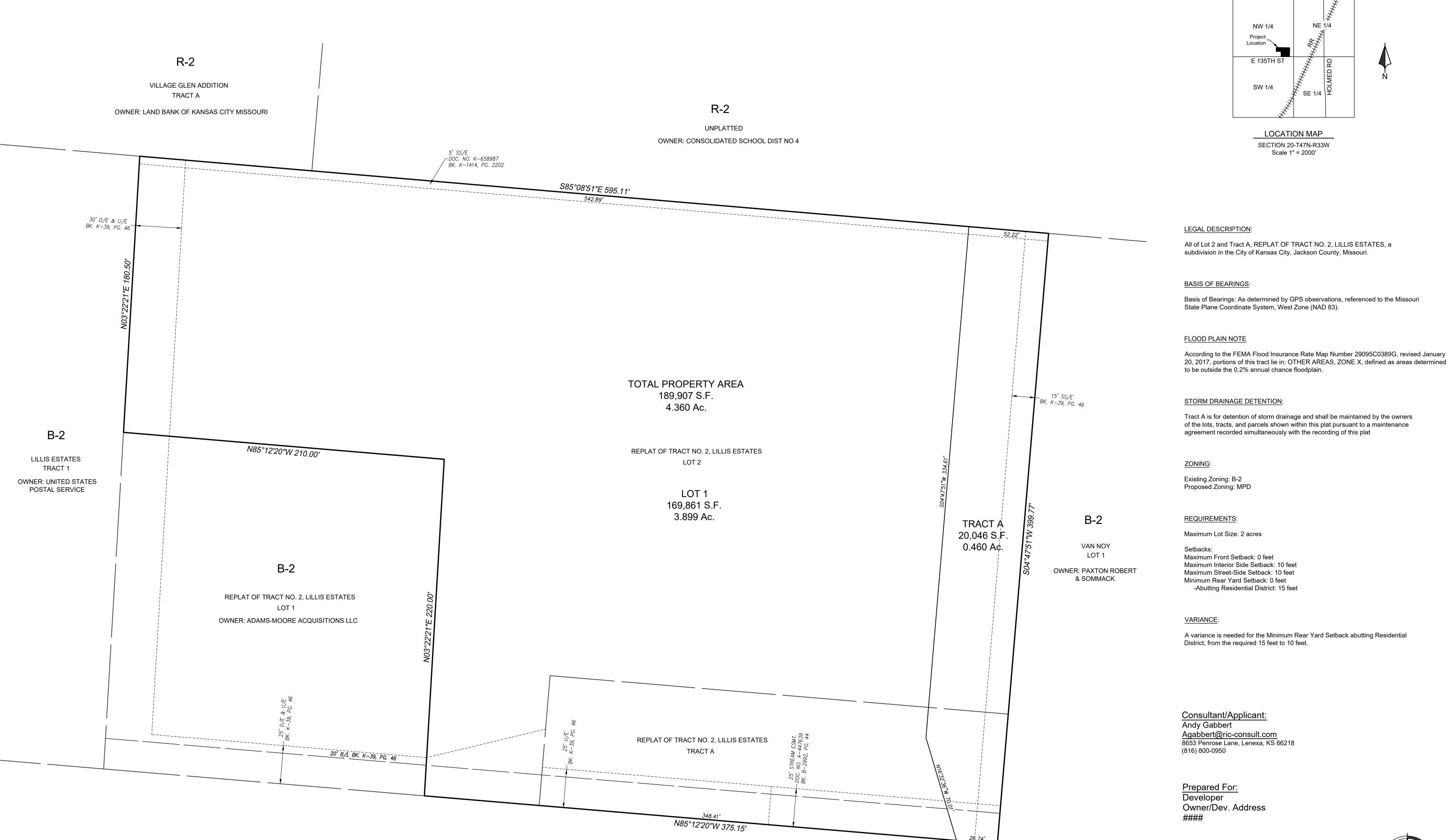




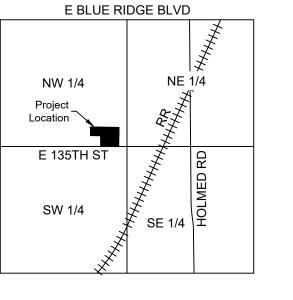
# PRELIMINARY PLAT

# **MARTIN CITY - FLEXCAVES**

PART OF THE NORTHWEST QUARTER OF SECTION 20, TOWNSHIP 47N, RANGE 33W, IN THE CITY OF KANSAS CITY, JACKSON COUNTY, MO



150 HIGHWAY (135TH STREET)





0 15' 30'

Sheet

C07

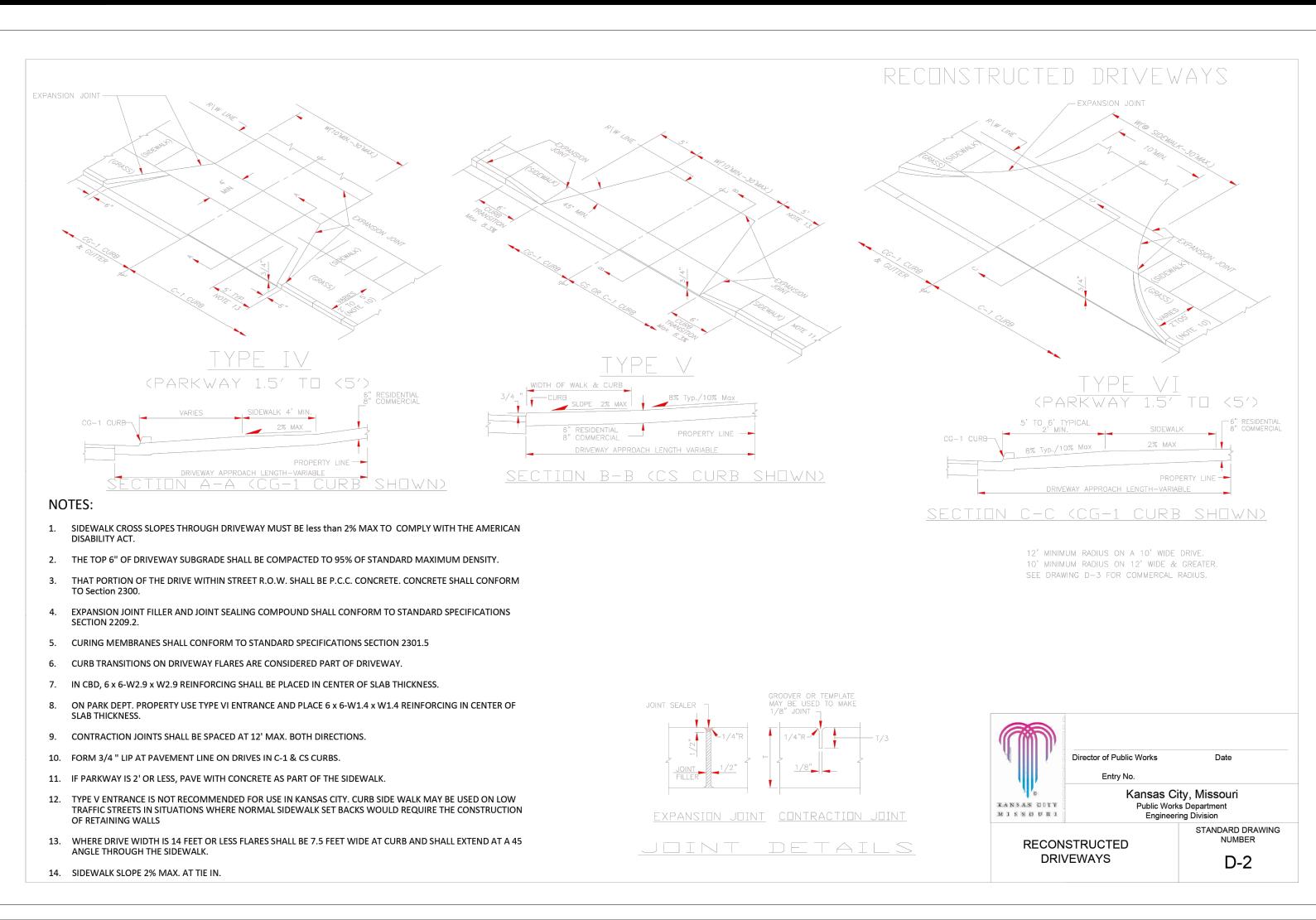
Zoning Uses

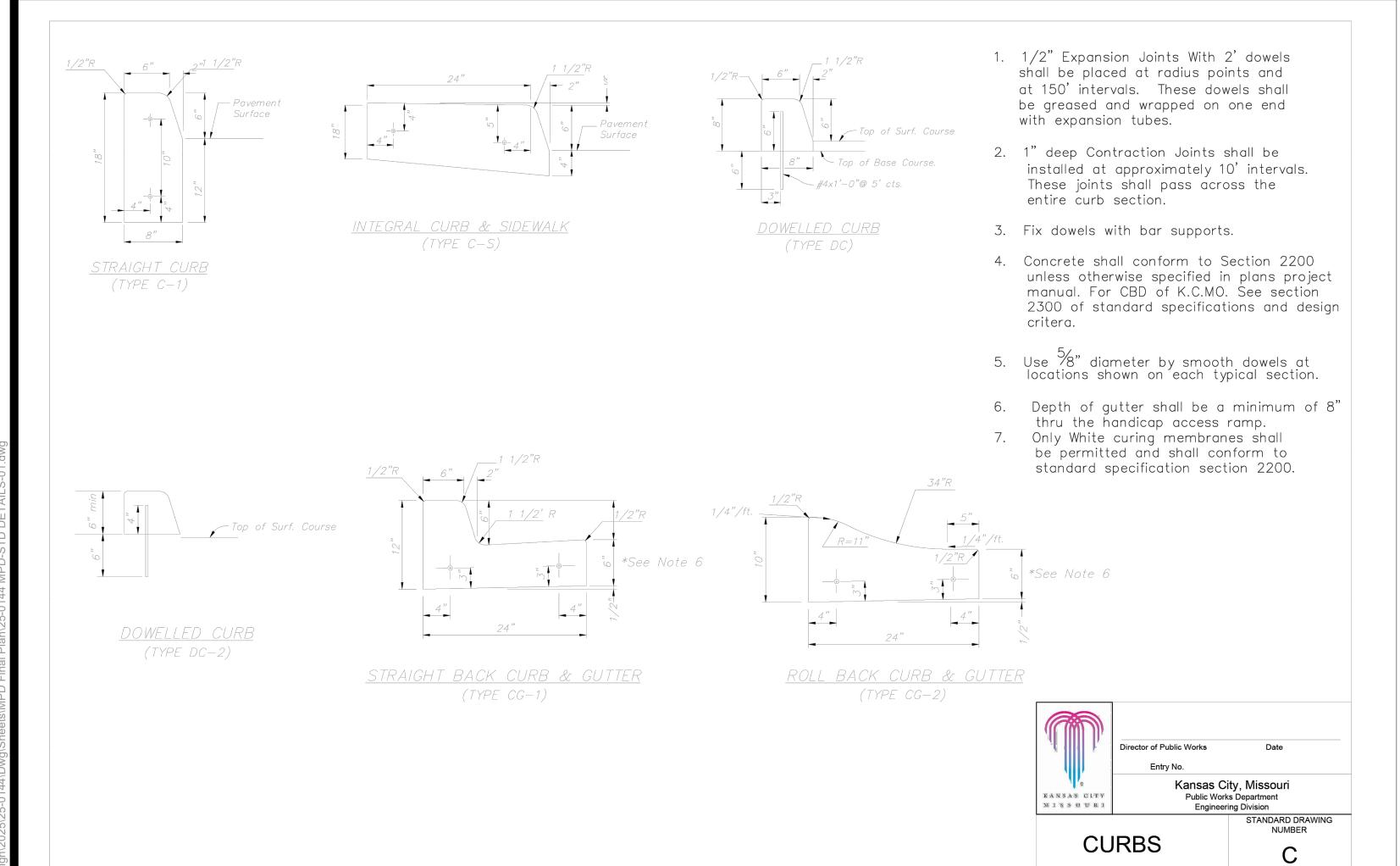
City Comments

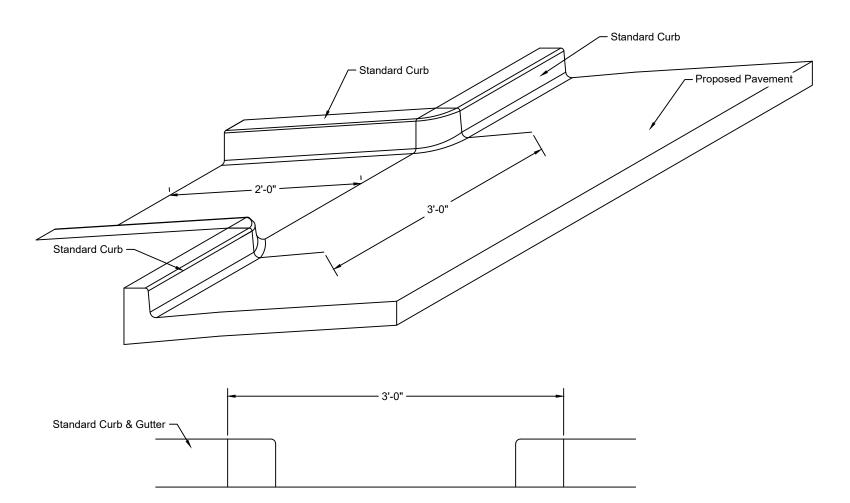
Initial Submittal

REVISION

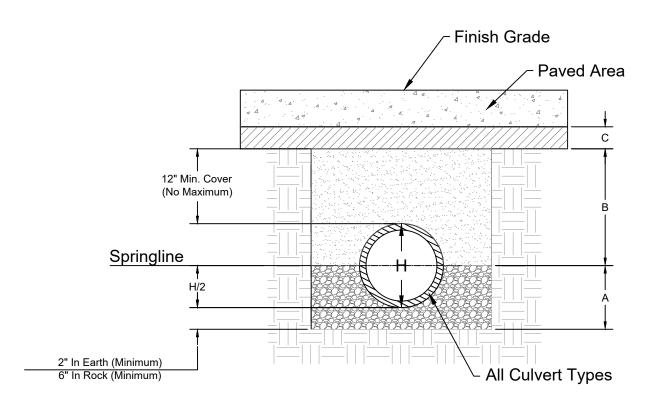
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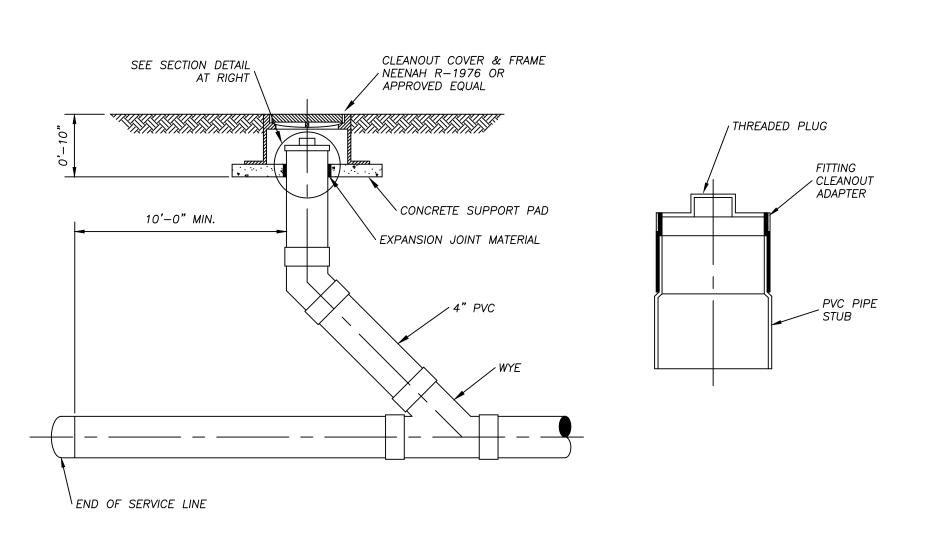


FLUME DETAIL



- A. Consolidated Granular Bedding Material (APWA Granular Gradation).
- B. Granular bedding Material, Hand Compacted Soil 95% of Max. Density using ASTM D 698, or Flowable Backfill (CLSM). Maximum Llft 6'. Granular Bedding Material Shall Be Used In Zone B for All Pipe Except Reinforced Concrete Pipe.
- C. Compacted Subgrade Minumum 95% Std. Proctor.

PIPE TRENCH SECTION Not To Scale



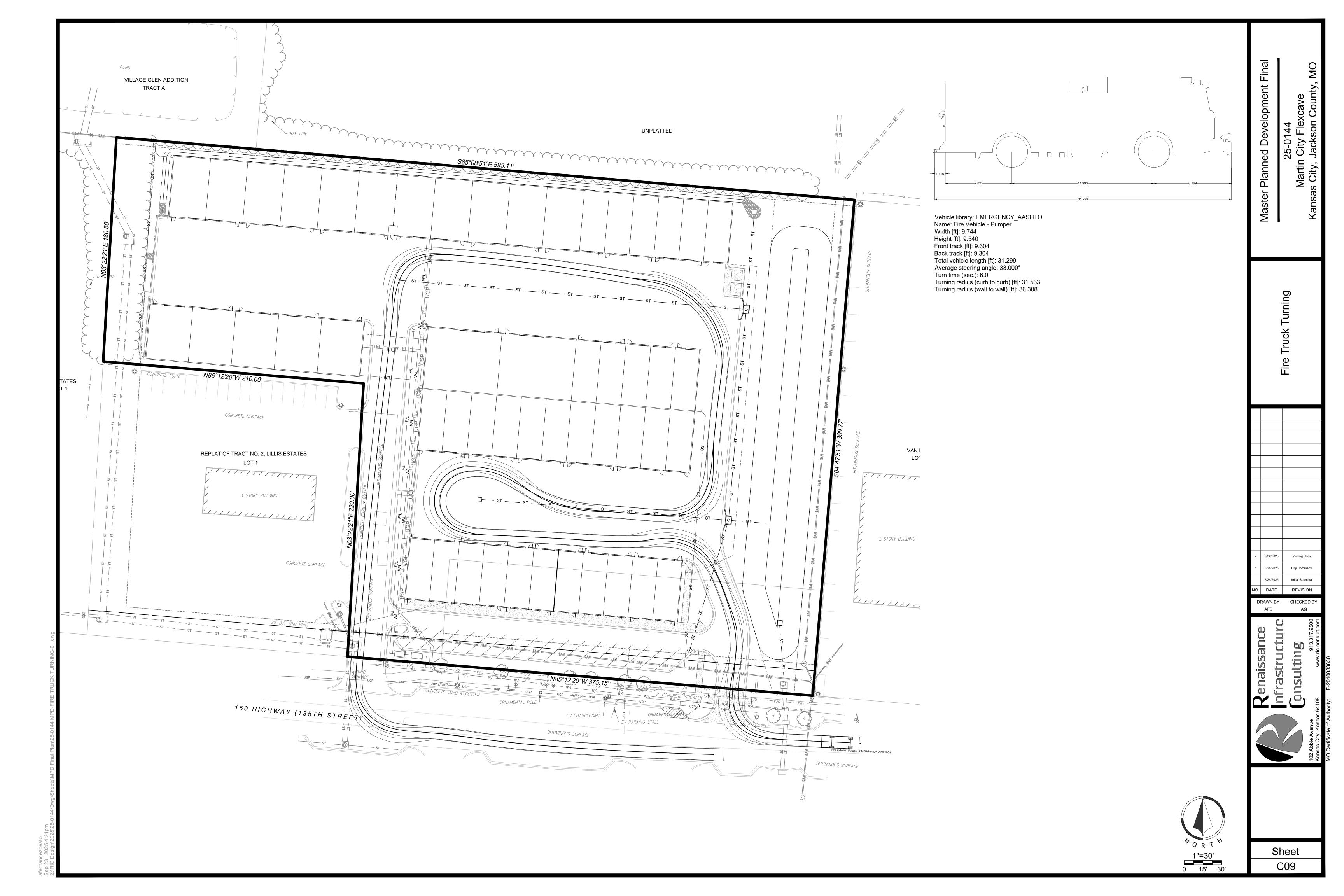
<u>CLEANOUT</u> Not to Scale

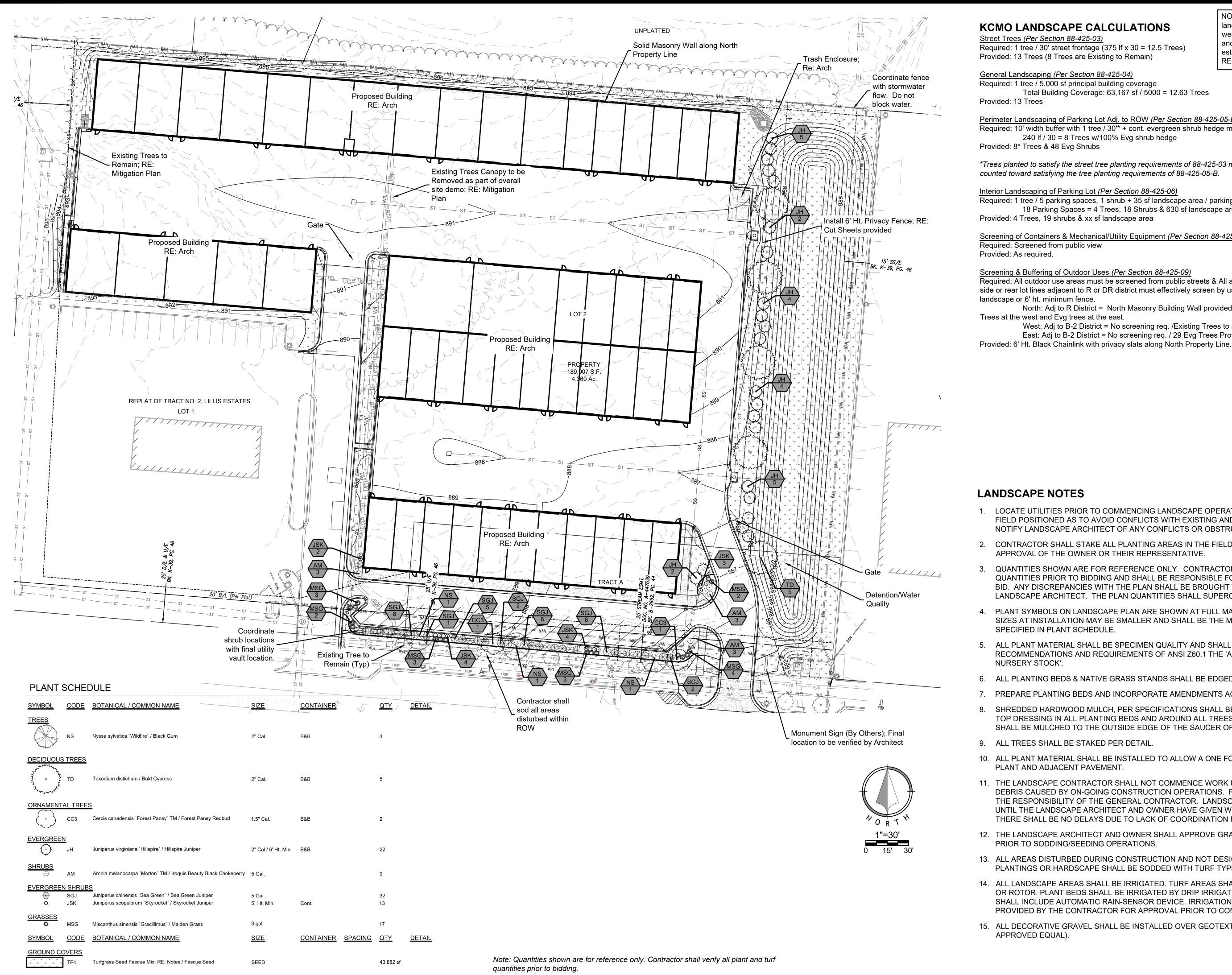
Zoning Uses 8/28/2025 City Comments Initial Submittal DATE REVISION CHECKED BY

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### KCMO LANDSCAPE CALCULATIONS

Street Trees (Per Section 88-425-03)

Required: 1 tree / 30' street frontage (375 lf x 30 = 12.5 Trees) Provided: 13 Trees (8 Trees are Existing to Remain)

General Landscaping (Per Section 88-425-04)

Required: 1 tree / 5,000 sf principal building coverage Total Building Coverage: 63,167 sf / 5000 = 12.63 Trees Provided: 13 Trees

Perimeter Landscaping of Parking Lot Adj. to ROW (Per Section 88-425-05-B) Required: 10' width buffer with 1 tree / 30'\* + cont. evergreen shrub hedge min. 3' ht. 240 lf / 30 = 8 Trees w/100% Evg shrub hedge

Provided: 8\* Trees & 48 Evg Shrubs

\*Trees planted to satisfy the street tree planting requirements of 88-425-03 may be counted toward satisfying the tree planting requirements of 88-425-05-B.

Interior Landscaping of Parking Lot (Per Section 88-425-06) Required: 1 tree / 5 parking spaces, 1 shrub + 35 sf landscape area / parking space 18 Parking Spaces = 4 Trees, 18 Shrubs & 630 sf landscape area

Provided: 4 Trees, 19 shrubs & xx sf landscape area Screening of Containers & Mechanical/Utility Equipment (Per Section 88-425-08)

Required: Screened from public view Provided: As required.

Screening & Buffering of Outdoor Uses (Per Section 88-425-09) Required: All outdoor use areas must be screened from public streets & All areas with side or rear lot lines adjacent to R or DR district must effectively screen by use of wall, landscape or 6' ht. minimum fence. North: Adj to R District = North Masonry Building Wall provided w/Existing

Trees at the west and Evg trees at the east. West: Adj to B-2 District = No screening req. /Existing Trees to remain East: Adj to B-2 District = No screening req. / 29 Evg Trees Provided

# LANDSCAPE NOTES

- 1. LOCATE UTILITIES PRIOR TO COMMENCING LANDSCAPE OPERATIONS. ALL TREES SHALL BE FIELD POSITIONED AS TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS OR OBSTRUCTIONS.
- 2. CONTRACTOR SHALL STAKE ALL PLANTING AREAS IN THE FIELD PRIOR TO PLANTING FOR APPROVAL OF THE OWNER OR THEIR REPRESENTATIVE.
- 3. QUANTITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR ALL QUANTITIES FOR THEIR BID. ANY DISCREPANCIES WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE PLAN QUANTITIES SHALL SUPERCEDE SCHEDULED QUANTITIES
- 4. PLANT SYMBOLS ON LANDSCAPE PLAN ARE SHOWN AT FULL MATURE SIZE. ACTUAL PLANT SIZES AT INSTALLATION MAY BE SMALLER AND SHALL BE THE MINIMUM PLANTING SIZE SPECIFIED IN PLANT SCHEDULE.
- 5. ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY AND SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 THE 'AMERICAN STANDARD FOR NURSERY STOCK'.
- 6. ALL PLANTING BEDS & NATIVE GRASS STANDS SHALL BE EDGED AS SHOWN IN PLAN.
- 7. PREPARE PLANTING BEDS AND INCORPORATE AMENDMENTS ACCORDING TO PLANS.
- 8. SHREDDED HARDWOOD MULCH, PER SPECIFICATIONS SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL PLANTING BEDS AND AROUND ALL TREES. SINGLE TREES AND SHRUBS SHALL BE MULCHED TO THE OUTSIDE EDGE OF THE SAUCER OR LANDSCAPE ISLAND.
- 9. ALL TREES SHALL BE STAKED PER DETAIL.
- 10. ALL PLANT MATERIAL SHALL BE INSTALLED TO ALLOW A ONE FOOT (1') CLEARANCE BETWEEN PLANT AND ADJACENT PAVEMENT.
- 11. THE LANDSCAPE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL THE SITE IS FREE OF DEBRIS CAUSED BY ON-GOING CONSTRUCTION OPERATIONS. REMOVAL OF DEBRIS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. LANDSCAPE WORK SHALL NOT BEGIN UNTIL THE LANDSCAPE ARCHITECT AND OWNER HAVE GIVEN WRITTEN APPROVAL FOR SUCH. THERE SHALL BE NO DELAYS DUE TO LACK OF COORDINATION FOR THIS ACTIVITY.
- 12. THE LANDSCAPE ARCHITECT AND OWNER SHALL APPROVE GRADES AND CONDITION OF SITE PRIOR TO SODDING/SEEDING OPERATIONS.
- 13. ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED FOR OTHER PLANTINGS OR HARDSCAPE SHALL BE SODDED WITH TURF TYPE FESCUE.
- 14. ALL LANDSCAPE AREAS SHALL BE IRRIGATED. TURF AREAS SHALL BE IRRIGATED BY SPRAY OR ROTOR. PLANT BEDS SHALL BE IRRIGATED BY DRIP IRRIGATION. IRRIGATION SYSTEM SHALL INCLUDE AUTOMATIC RAIN-SENSOR DEVICE. IRRIGATION SHOP DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR FOR APPROVAL PRIOR TO CONSTRUCTION
- 15. ALL DECORATIVE GRAVEL SHALL BE INSTALLED OVER GEOTEXTILE FABRIC (MIRAFI 140N OR APPROVED EQUAL).

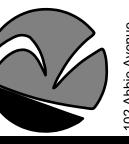
NOTE: Maintain and establish all landscape areas by watering, fertilizing, weeding, mowing, trimming, replanting and other operations until acceptable establishment - TYP. RE: Specifications

> 5-0144 ity Flegackson nned

Zoning Uses City Comments Initial Submittal REVISION

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### KCMO LANDSCAPE CALCULATIONS

Tree Mitigation Area (Per Section 88-424-07)

- Existing On-site Canopy Area: 55535.4 / 1.27 Ac.

Tree Canopy Area Preserved: 5024.4 sf / 0.12 Ac
 Mitigation Calculation:

55,535.4 sf (Canopy Area)

- 5,024.4 (Canopy Reserved) = 50,510.4 sf = 1.16 acres .

1.16 x 0.35 = 0.406 x 150" = 60.9" Caliper Inches Required

- Total Mitigation Caliper Inches provided: 63"; Refer to Plant Schedule

NOTE: Maintain and establish all

establishment - TYP.

RE: Specifications

landscape areas by watering, fertilizing,

weeding, mowing, trimming, replanting and other operations until acceptable

25-0144 n City Flexcave , Jackson County,

Planned

	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	<u>QTY</u>	DETAIL	
	TREES	NS	Nyssa sylvatica `Wildfire` / Black Gum 2.0" x 3 Trees = 6 Caliper Inches Mitigated	2" Cal.	B&B	3		
	DECIDUOUS	TREES TD	Taxodium distichum / Bald Cypress 2.0" x 5 Trees = 10 Caliper Inches Mitigated	2" Cal.	B&B	5		
	ORNAMENTA	AL TREES	<u>s</u>					
		CC3	Cercis canadensis `Forest Pansy` TM / Forest Pansy Redbud 1.5" x 2 Trees = 3 Caliper Inches Mitigated	1.5" Cal.	B&B	2		
EVERGREEN								
	$\odot$	JH	Juniperus virginiana `Hillspire` / Hillspire Juniper 2" x 22 Trees = 44 Caliper Inches Mitigated	2" Cal / 6' Ht. Min	B&B	22		
	SHRUBS ①	AM	Aronia melanocarpa `Morton` TM / Iroquis Beauty Black Chokeberry	5 Gal.		9		
	EVERGREEN SHRUBS							
	*	SGJ	Juniperus chinensis `Sea Green` / Sea Green Juniper	5 Gal.		32		
	0	JSK	Juniperus scopulorum `Skyrocket` / Skyrocket Juniper	5` Ht. Min.	Cont.	13		
	<u>GRASSES</u>							
	•	MSG	Miscanthus sinensis `Gracillimus` / Maiden Grass	3 gal.		17		
;	SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER SPACING	QTY	DETAIL	
	GROUND CO	OVERS						
	·	TF4	Turfgrass Seed Fescue Mix; RE: Notes / Fescue Seed	SEED		43,882 sf		

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Note: Quantities shown are for reference only. Contractor shall verify all plant and turf quantities prior to bidding.

NOTES: 1. TREES THAT DO NOT MEET THE SIZE REQUIREMENT WILL BE REJECTED 2. TREES SHALL BE INSPECTED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. PRUNE OUT ANY DEAD OR BROKEN BRANCHES AND REMOVE DEBRIS FROM SITE. SECURE TREE TO STAKES WITH STRAPS (RE: SPECS). STRAPS SHALL BE LOOSE ENOUGH TO ALLOW SOME MOVEMENT OF THE TRUNK WITH THE WIND SET TREE WITH TOP OF ROOT BALL FLUSH WITH GRADE. TRUNK FLARE MUST BE VISIBLE AT THE TOP OF ROOT BALL. REMOVE EXCESS SOIL TO TOP OF LATERAL ROOTS. - MIN. 6' LONG STEEL STAKES SECURED INTO UNDISTURBED SOIL. PLACE NORTH AND SOUTH OF TREE. - 3" MULCH PER SPECIFICATIONS. DO NOT PLACE ON TRUNK OR TRUNK FLARE. BERM AT OUTER EDGES OF RING TO CREATE A SAUCER FORM. - REMOVE TWINE AND CAGE FROM ROOT BALL AND TRUNK. PEEL AND REMOVE BURLAP FROM TO 1/3 OF THE ROOT BALL. - PLANTING HOLE SHALL BE AT LEAST 3 TIMES WIDER THAN THE SPREAD OF ITS ROOTS, BUT NO DEEPER. PLACE ROOT BALL ON UNDISTURBED SOIL WITH ROOT FLARE EVEN WITH OR 1" ABOVE GRADE. SCARIFY SIDES 3 x ROOT BALL DIA. AND BOTTOM OF PIT. - AMEND SOIL ACCORDING TO SPECIFICATIONS. SECTION DECIDUOUS TREE PLANTING DETAIL - NTS PRUNE OUT ANY DEAD OR BROKEN -BRANCHES. CUT ANY GIRDLING ROOTS - INSTALL 3" OF HARDWOOD OFF CLOSE TO THE CROWN. PRY LONG MULCH THROUGHOUT PLANTING ROOTS OUT TO DIRECT INTO NEW SOIL BED. LEAVE A 6" BARE CIRCLE AT BASE OF PLANT PLACE SHRUB SO CROWN IS AT SOIL LEVEL PROVIDE MULCH FILL PLANTING HOLE WITH AMENDED CONTAINMENT EDGE SOIL MIX ACCORDING TO ADJACENT TO HARDSCAPE; SPECIFICATIONS. CONSTRUCT RING RE: DETAIL AROUND PLANTED SHRUB TO FORM CURB, WHERE APPLICABLE: SAUCER MAINTAIN A MINIMUM OF 4' TO CENTER OF ROOTBALL FROM BACK OF CURB **SCARIFY PIT** BOTTOM (MIN. 6") SECTION 1. REFER TO SPECIFICATIONS FOR TOPSOIL BACKFILL MIX. 2. CONTRACTOR TO WATER THOROUGHLY AFTER PLANTING 3. INSTALLATION TO BE IN ACCORDANCE WITH PLANTING SPECIFICATIONS 4. WHERE ADJACENT TO CURB, MAINTAIN THE MINIMUM OFFSET SHOWN. FOR SHRUBS LARGER THAN 4' MATURE DIAMETER, PROVIDE A GREATER OFFSET EQUAL TO 1/2 OF THE MATURE DIAMETER MINIMUM. SHRUB PLANTING DETAIL - NTS NOTES: 1. CONTRACTOR SHALL LOCATE AND MARK ALL PLANTBED LOCATIONS PRIOR TO EXCAVATING FOR FINAL APPROVAL BY OWNER OR LANDSCAPE ARCHITECT. 2. TRANSITION TO MULCH CONTAINMENT DETAIL AT ALL LOCATIONS ADJACENT TO CURBS & SIDEWALKS. RE: DETAIL, THIS SHEET. 3. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO TRENCHING OR LANDSCAPE INSTALLATION. - LIMIT OF PLANT BED AS SHOWN IN PLAN ← HARDWOOD MULCH AS SPECIFIED Free Standing Clustered Boxes - LANDSCAPING; RE: UTILITY BOXES SHALL BE CLUSTERED AS MUCH AS POSSIBLE PLAN & DETAILS LAWN AREA; RE: V-CUT NATURAL EDGING TYPICAL UTILITY BOX SCREENING DETAILS - NTS **SPECIFICATIONS** WITH MULCH BACKFILL V-CUT NATURAL EDGE DETAIL - NTS

Free Standing

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Zoning Uses

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Renaissance Infrastructure

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