

		DRA DRA DRA
T 1, SOLID WASTE FACILITY ADDITION - (PENDI	NG)	
TE SUMMADY	, ,	
<u>TE SUMMART</u>		
ISTING SITE SUMMARY: STING BUILDINGS: 9,297 SF (0.21 AC.)	PROPOSED SITE SUMMARY: PROPOSED BUILDINGS: 23,497 SF (0.54 AC.)	MENTS
STING PAVEMENT: 93,077 SF (2.13 AC.) TAL IMPERVIOUS: 102,374 SF (2.34 AC.)	PROPOSED PAVEMENT: 199,891 SF (4.59 AC.) PROPOSED IMPERVIOUS: 223,388 SF (5.13 AC.)	COMIN COMIN
STING PERVIOUS: 375,043 SF (8.62 AC.) TAL SITE AREA: 477,417 SF (10.96 AC.)	PROPOSED PERVIOUS: 254,029 SF (5.83 AC.) TOTAL SITE AREA: 477,417 SF (10.96 AC.)	
		L L L L L L L L L L L L L L L L L L L
NERAL NOTES		KEVISIO KEVISIO
xisting Zoning: IG (General Industrial District) roposed Zoning: IG		
urrent Use: Trucking Company and Maintenance roposed Use: Large Collection and Processing Re	cycling Facility, Fleet Storage, Administrative Offices,	DAT 11.21. 12.12.
eavy Equipment Repair, Cleaning and Exterior Sto	rage repared by Bartlett & West Inc. September 2014	3 3 7 1
wner: City of Lawrence, 6 East 6th Street, Lawre	ence, KS 66044	
uilding Information: Existing Building:		
9,297 s.f. Office and Truck Maintenance Proposed Buildings:		
5,100 s.f. Household Hazardous Waste Fac 9,100 s.f. One—Story Building Addition, offi	ility ces, meeting room, locker room and showers	
arking Information: Existing Parking = 8 stalls marked (9x18), u open pavement area.	nmarked truck parking around perimeter of large	
<u>Phase 1</u> Required Parking for Recycling Collection and 1 per vehicle used in business + 1 stal 1 van—accessible ADA stall required Total Required Parking (Phase 1) = 7 s	Processing Facility: II per 1,000 s.f. (5,100/1,000=6) = 7 required stalls required	LET 14 DRIVE -
Proposed Parking: Standard 9x18 stalls = 4 ADA 9x18 stalls = 1 Unloading stalls at drop-off = 2		
Total = 7 Required Bike Parking: None required Proposed Bike Parking: 4 provided		
<u>Phase 2</u> Required Parking for Phase 2: Fleet Storage: 1 stall per 1.5 employees Administrative Office Space: 1 stall per Exterior Storage: 1 stall per 1 acre of Heavy Equipment Repair and Cleaning: N Total Required Parking (Phase 2) = 107 Total Required Parking (Phase 1 and Ph	s = (100/1.5=67) = 67 required 300 s.f. (11,580/300) = 39 required outdoor storage = 1 required lo stall requirement. Part of Fleet Storage. 7 stalls required mase 2) = 114 stalls required	Farnly SSOCIATES 920 Massachusetts Lawrence, Kansas 66044 785 - 749 - 5806 6404
Proposed Parking: Standard 9x18 stalls = 132 ADA 9x18 stalls ** = 5		
Total = 137 (No **(All ADA stalls can be van-accessible spaces have an adjacent 9' wide access	ote: 12 future spaces shown in plan not included) but only on van—accessible space required, all ADA s aisle)	
Required Bike Parking: 1/10 auto spaces for admin./office use 4 bike spaces required Proposed Bike Parking: 10 provided	; 39 spaces required for the admin./office use —	FACI
etbacks: Front yard = 25' (along Kresge Road) Side yards = 15' Rear yard = 50' (along 1-70)		N STE ROA
nis site plan has been designed to comply with ccessibility Guidelines (ADAAG) for building and fa	the provisions of the Americans with Disabilities Act cilities. Appendix A to 28 CFR Part 36.	GE X [™] LAI
I traffic control signs placed on private property Ianual on Uniform Traffic Control Devices" and " ghway Administration, with respect to size, shape	open to the general public shall comply with the Standard Highway Signs," published by the Federal e, color, retroreflectivity, and position.	ITE F LID RES
oposed drive and parking areas to have concret here noted.	e curb to meet City of Lawrence standards, except	N N N
urf areas to be seeded unless noted otherwise.		<u> </u>
all Mounted Lighting shall be located at building are off—site.	entrances. All lighting shall be shielded to prevent	53 N
ccessible spaces are to be signed and stenciled	per Sec. 20-912.	₩ ₩
ther building or ground mounted mechanical equ)—1006(b) of the Development Code. Ground mo Ijacent properties and from street rights—of—way	ipment will be screened in accordance with Section ounted equipment will be screened from view of as required per code.	AWF
ees to be removed will be noted on demolition	plan.	
i retaining walls to be concrete, unless noted ot their November 6. 2014 meeting, the B7A good	nerwise on site plan. roved variances from Section	
0-913 to allow the curb/gutter and surfacing as	s shown on the plans.	
notometric plan for Phase 2 shall be submitted le installation of exterior lighting in Phase 2.	ana approved prior to	
Annrovad and Dalassad		DESIGNED RY
Approved and Keleased		DRAWN BY:
Case No		
Case No Approval Date: Release Date:	1" = 30'	APPROVED BY: DR DESIGN PROJ: 18551.00
Case No Approval Date: Release Date: Planner: City of Lawrence City of Lawrence Approval Date: Planner: Approval Date:	1" = 30' $30 0 30 60$	APPROVED BY: DR DESIGN PROJ: 18551.00 CONST PROJ:
Approved and Keleased Image: Construction of the services City of Lawrence Douglas County PLANNING & DEVELOPMENT SERVICES Case No. Approval Date: Planner: Of Sheets Asst./Director:	1'' = 30' $30 0 30 60$ $NOT FOR CONSTRUCTION$	APPROVED BY: DR DESIGN PROJ: 18551.00 CONST PROJ: SCALE: AS SHOW DATE: 10-24-7

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DEMOLITION NOTES:

- ALL UTILITY INFORMATION SHOWN HEREIN IS BASED ON THE TOPOGRAPHIC INFORMATION GIVEN TO BARTLETT & WEST, INC. AT THE TIME OF DESIGN. CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AND LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES TO FIELD LOCATE AND/OR ADJUST THEIR UTILITY AS REQUIRED FOR CONSTRUCTION. ALL UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND THE DESIGN PROFESSIONAL ASSUMES NO LIABILITY FOR SAME.
- 2. CLEARING AND GRUBBING WITHIN 50 FEET OF A DEFINED DRAINAGE COURSE SHOULD BE AVOIDED UNLESS NOTED OTHERWISE.
- 3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING DEMOLITION AND IS RESPONSIBLE FOR ALL DEWATERING NECESSARY FOR CONSTRUCTION.
- 4. CARE SHALL BE EXERCISED BY THE CONTRACTOR TO PRESERVE AND/OR PROTECT ANY EXISTING VEGETATION OUTSIDE OF AREAS TO BE GRADED. THE PERSON(S) WHO DAMAGES ANY OF THESE AREAS SHALL BE HELD RESPONSIBLE FOR ALL COSTS OF REPLACEMENT MATERIALS AND LABOR.
- 5. ALL WASTE EXCAVATION, CONSTRUCTION MATERIALS, DEMOLISHED STRUCTURES AND DEBRIS REMOVED FROM THE SITE SHALL COMPLY WITH THE CITY OF LAWRENCE, KANSAS DESIGN CODES.
- 6. ALL EXCAVATED OR OTHERWISE DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AS NEARLY AS IS PRACTICAL. THE REPLACEMENT MATERIALS SHALL BE COMPACTED SO AS TO PREVENT SETTLEMENT. ANY PARKING OR DRIVE SURFACING, SIDEWALK OR ESTABLISHED TURF AREAS SHALL BE REPLACED IN KIND OR AS SHOWN HEREIN.

7. THE NPDES PERMIT WILL BE PROVIDED TO THE CONTRACTOR BEFORE CONSTRUCTION BEGINS.

- 8. ALL DEMOLITION SHALL COMPLY WITH THE CITY OF LAWRENCE, KANSAS DESIGN CODES.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR ALL BARRICADES REQUIRED FOR SAFETY IN AND AROUND THE CONSTRUCTION SITE, CONTINUOUS MAINTENANCE OF TRAFFIC CONTROL DEVICES DURING THE TERM OF THIS PROJECT IS THE CONTRACTOR'S RESPONSIBILITY. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE LATEST VERSION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS."
- 10. ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE PROTECTED BY MEANS OF FENCING AND OTHER DEVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THESE STRUCTURES AND CLEAN UP ALL DEBRIS NEAR, ON, OR AROUND THESE STRUCTURES AT COMPLETION OF WORK.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING REMOVAL AND REPLACEMENT OF ALL UTILITIES ON THIS SITE WITH THE OWNER, AND THE APPROPRIATE UTILITY PROVIDER, ALL UTILITIES INCLUDE, BUT ARE NOT LIMITED TO STORM, SANITARY, GAS, ELECTRIC, WATER, TELEPHONE, AND CABLE.
- 12. THE CONTRACTOR SHALL VERIFY ANY DEMOLITION DIMENSIONS SHOWN PRIOR TO COMMENCING DEMOLITION.
- 13. THE CONTRACTOR SHALL ESTABLISH STAGING, STORAGE AND PARKING AREAS PER APPROVAL OF THE OWNER, THE AREAS SHALL BE FENCED WITH TEMPORARY FENCING AS APPROVED BY THE OWNER.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING ALL SURVEY STAKES (CONTROL POINTS, REFERENCE POINTS, BENCH MARKS, PROPERTY AND OFFSET CORNERS, AND ALL OTHER ESSENTIAL HORIZONTAL AND VERTICAL SURVEY CONTROL POINTS) UNTIL CONSTRUCTION ACTIVITY IS COMPLETED. THE CONTRACTOR SHALL PAY FOR RE-STAKING ANY SURVEY STAKES THAT ARE DESTROYED.
- 15. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN MOVING UTILITIES.
- 16. SAWCUTS ALONG SIDEWALKS AND PAVEMENT SHALL BE REMOVED AT THE NEAREST EXISTING JOINT.

NOT FOR CONSTRUCTION PLANNING LAYOUT ONLY

DEMOLITION PLAN

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LAYOUT NOTES:

- 1. ALL UTILITY INFORMATION SHOWN HEREIN IS BASED ON THE INFORMATION AVAILABLE TO THE DESIGN PROFESSIONAL AT THE TIME OF DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UTILITY DEPTHS AND LOCATIONS PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES AND INCIDENTAL DAMAGE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND QUANTITIES AND SHALL RECORD "AS-BUILT" DIMENSIONS OR LOCATIONS OF ANY APPURTENANCES IF THEY DIFFER FROM THE PLANS.
- 3. ALL HANDICAPPED SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL STATE, LOCAL, AND ADA SPECIFICATIONS AS CURRENTLY IN EFFECT.
- 4. CONTACT AFFECTED OWNER(S) A MINIMUM OF 24 HOURS PRIOR TO HALTING OF UTILITY SERVICES. UNDER NO CIRCUMSTANCE SHALL ANY UTILITY SERVICE BE DISCONTINUED FOR MORE THAN ONE (1) 12-HOUR PERIOD.
- 5. ALL DISTURBED OFFSITE CONDITIONS SHALL BE REPLACED TO THEIR PREVIOUS CONDITION(S). ANY DAMAGE TO OR REMOVAL OF EXISTING CONDITIONS OCCURRING UPON ADJACENT PROPERTY DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THEIR PREVIOUS CONDITION(S).
- 6. CARE SHALL BE EXERCISED BY THE CONTRACTOR TO PRESERVE AND/OR PROTECT ANY EXISTING VEGETATION OUTSIDE OF AREAS TO BE GRADED. THE PERSON(S) WHO DAMAGES ANY OF THESE AREAS SHALL BE HELD RESPONSIBLE FOR ALL COSTS OF REPLACEMENT MATERIALS AND LABOR.
- 7. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.
- 8. CONNECT WATER LINES WITH APPROPRIATE TEE JOINTS & VALVE BOXES PER CITY OF LAWRENCE STANDARDS. CONTACT THE CITY OF LAWRENCE UTILITIES DEPARTMENT REPRESENTATIVE PRIOR TO ANY WATER LINE INSTALLATION.
- 9. ALL ROUTING AND INSTALLATION OF PROPOSED UTILITIES (TELEPHONE, GAS, WATER, ETC.) SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR AND THE APPROPRIATE UTILITY PROVIDER. ALL UTILITY ROUTING SHALL BE APPROVED BY THE OWNER/ARCHITECT AND THE APPROPRIATE UTILITY PROVIDER PRIOR TO INSTALLATION. ANY PROPOSED UTILITY ROUTING DESIGNATED ON THESE DOCUMENTS ARE FOR GENERAL GUIDELINES ONLY UNLESS OTHERWISE SPECIFIED. BARTLETT & WEST INC. ASSUMES NO LIABILITY FOR IMPROPER ROUTING OR CONNECTIONS TO EXISTING UTILITIES.
- 10. ALL METHODS AND MEANS OF CONSTRUCTION PERFORMED ON THIS PROJECT SHALL CONFORM TO THE DESIGN CRITERIA FOR THE CITY OF LAWRENCE, KS.
- 11. REFER TO SHEET C7.0 FOR UTILITY NOTES, ROUTING, CONNECTIONS, ETC.
- 12. CHAIN LINK FENCE SHALL 6' TALL, BLACK VINYL COATED. INSTALL FENCING, POSTS AND GATE SYSTEMS PER PROVIDERS/MANUFACTURER'S SPECIFICATIONS, DETAILS AND RECOMMENDATIONS. MAC'S FENCE, INC.
 - 6037 SPEAKER ROAD KANSAS CITY, KANSAS 66111 1-913-287-6173 www.macsfence.com (OR APPROVED EQUAL)

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LE TO THE DESIGN OR VERIFYING ALL IES AND INCIDENTAL AIRED AT THE . RECORD "AS-BUILT" NS. AL, AND ADA ITY SERVICES. UNDER NO (1) 12-HOUR PERIOD. ITION(S). ANY DAMAGE DURING CONSTRUCTION EXISTING VEGETATION REAS SHALL BE HELD	REV DATE DESCRIPTION 1 11.21.14 REVISIONS PER CITY COMMENTS 2 12.11.14 REVISIONS PER CITY COMMENTS 1 12.11.14 REVISIONS PER CITY COMMENTS
LAWRENCE STANDARDS. D ANY WATER LINE ETC.) SHALL BE PROVIDER. ALL UTILITY ILITY PROVIDER PRIOR ENTS ARE FOR GENERAL NO LIABILITY FOR CONFORM TO THE DESIGN D GATE SYSTEMS PER	BARTLETT BARTLETT BAR COLUMBIA DRIVE - LAWRENCE K8 66049 PHONE 785.749.9452 - FAX 785.749.5961 WWW.BARTVEST.COM
	Hernly ASSOCIATES 920 Massachusetts Lawrence, Kansas 66044 785 - 749 - 5806 FAX 785 - 749 - 1515
	SITE PLAN FOR LAWRENCE SOLID WASTE FACILITY 2201 KRESGE ROAD LAWRENCE, KANSAS
$1'' = 30'$ $1'' = 30'$ $30 \qquad 60$ $CR CONSTRUCTION$ $ING LAYOUT ONLY$ $LAYOUT ONLY$	DESIGNED BY: RLW/DRA DRAWN BY: RLW APPROVED BY: DRA DESIGN PROJ: 18551.001 CONST PROJ: SCALE: AS SHOWN DATE: 10-24-14 SHEET NUMBER C3.0

NOT FOR CONSTRUCTION PLANNING LAYOUT ONLY

Drawing name: W:\Proj\18000\18551\18551.001\AutoCad\Site Plan and CDs\18551.001 C3.0 Layout Plan.dwg Layout name: C3.1 Plotted by: rlw00576 Plotted on: Dec 11

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NITARY SEWER CONCENTRIC CONCRETE I 878.93 IN NNE 15" PVC 867.69 OUT S 15" PVC 867.42		REV DATE 1 11.21.14 REVISIONS F 2 12.11.14 REVISIONS F
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TARY SEWER INCENTRIC BRICK 370.63 IN 15" PVC 863.81 UT S 15" PVC 863.78		SITE PLAN FOR FOR RENCE SOLID WASTE FACILITY 2201 KRESGE ROAD
ITARY SEWER ONCENTRIC CONCRETE 870.21 N N 15" PVC 863.53 OUT S 15" PVC 863.36		LAWI
MATCHLINE	1" = 30' $30 0 30 60$ NOT FOR CONSTRUCTION	DESIGNED BY: RLW/DRA DRAWN BY: RLW APPROVED BY: DRA DESIGN PROJ: 18551.001 CONST PROJ: SCALE: AS SHOWN DATE: 10.01
	PLANNING LAYOUT ONLY	SHEET NUMBER C4.0

GRADING NOTES:

- 1. ALL QUANTITIES SHALL BE CALCULATED BY THE CONTRACTOR AND INCLUDE ALL SUBSIDIARY ITEMS NECESSARY TO COMPLETE THE WORK.
- THE CONTRACTOR SHALL ASSUME NO ROCK EXCAVATION AS PART OF MASS GRADING OR UTILITY CONSTRUCTION. CONTRACTOR SHALL PROVIDE A UNIT PRICE ESTIMATE FOR ROCK EXCAVATION AS NECESSARY WITH BID.
- 3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED FOR THE SITE GRADING.
- 4. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT (IF APPLICABLE) AND FAMILIARIZE HIMSELF WITH ALL SOIL CONDITIONS AND RECOMMENDATIONS.
- ALL AREAS DISTURBED DURING THE PROGRESS OF THIS PROJECT SHALL BE FINISHED WITH 6" (MIN.) OF TOPSOIL AND GRADED/RESTORED TO EXISTING CONDITIONS PRIOR TO DISTURBANCE.
- 6. ALL AREAS SHALL SLOPE AWAY FROM PROPOSED BUILDING.
- 7. ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS.
- 8. GRADING PLAN REFLECTS TOP OF TURF OR PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
- 9. CONTRACTOR SHALL PROVIDE AND MAINTAIN POSITIVE DRAINAGE DURING ALL PHASES OF CONSTRUCTION.
- 10. 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 CONSTRUCTION WORK. ANY DAMAGE TO EXISTING STRUCTURES, UTILITIES, FENCES, AND/OR INCIDENTALS NOT DESIGNATED FOR REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 11. ALL PROPOSED SIDEWALKS SHALL HAVE A MINIMUM OF 1% CROSS SLOPE.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY TO CONTROL EROSION, SILTATION AND DISCHARGES OF FILL MATERIAL (SEDIMENT) INTO DOWNSTREAM SYSTEMS OR RECEIVING CHANNELS. THIS SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND UNTIL SUITABLE GROUND COVER IS ESTABLISHED FOR ALL DISTURBED AREAS. IF ANY METHOD OF CONTROL FAILS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, SO THAT THE OWNER OR HIS AGENT CAN REVIEW THE CONTRACTOR'S PROPOSED METHOD OF REPAIR. REFER TO EROSION CONTROL SHEET FOR MORE NOTES AND INFORMATION.
- 13. ALL DISTURBED AREAS SHALL BE SEEDED, FERTILIZED AND MULCHED, OR SODDED, IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE REVIEWING GOVERNING AGENCY. THIS SHALL BE COMPLETED WITHIN SEVEN (7) DAYS AFTER COMPLETING THE WORK, IN ANY AREA. IF THIS IS OUTSIDE THE SEASONAL SEEDING PERIOD, SILT FENCES SHALL BE INSTALLED AS REQUIRED UNTIL SUCH TIME THAT THE AREA(S) CAN BE SEEDED.
- 14. SILT FENCES WHETHER STRAW BALES OR FILTER FABRIC, REQUIRE MAINTENANCE TO PRESERVE THEIR EFFECTIVENESS. ALL SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH HEAVY RAINSTORM AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. WHEN SEDIMENT DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE SILT FENCE, THE SEDIMENT SHALL BE REMOVED OR A SECOND SILT FENCE SHALL BE INSTALLED. ALL COSTS ASSOCIATED WITH THIS WORK, INCLUDING RELATED INCIDENTALS, WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE PROPOSED WORK.
- 15. THE CONTRACTOR SHALL NOT PERFORM FINAL GRADING OR SEEDING UNTIL ALL UTILITY INSTALLATIONS ARE COMPLETE.
- 16. NO SLOPES ON THIS SITE SHALL EXCEED 3 TO 1.

TW = TOP OF WALL

TC = TOP OF CURB

- 17. AT ALL BUILDING EXITS INSURE MINIMUM OF 5' LANDING DEPTH (IN DIRECTION OF TRAVEL) AT 2% MAXIMUM SLOPE. NO SIDEWALK IS TO EXCEED 5% SLOPE UNLESS IT IS AN ADA COMPLIANT RAMP.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND PROTECTING ALL SURVEY STAKES (CONSTRUCTION STAKES, CONTROL POINTS, REFERENCE POINTS, BENCH MARKS, PROPERTY AND OFFSET CORNERS, AND ALL OTHER ESSENTIAL HORIZONTAL AND VERTICAL SURVEY CONTROL POINTS) UNTIL CONSTRUCTION ACTIVITY IS COMPLETED. THE CONTRACTOR SHALL PAY FOR RE-STAKING ANY SURVEY STAKES THAT ARE DESTROYED.

	ALIGN - CENTER OF CHANNEL						
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION	START STATION	START SEGMENT	END STATION	END SEGMEN
L1	202.44'		180°07'07.34"	0+00.00	N 9975.5718, E9615.7744	2+02.44	N 9773.1314, E 961
C1	67.17'	197.79'	189°50'50.60"	2+02.44	N 9773.1314, E 9615.3550	2+69.61	N 9707.2709, E 960
L2	61.30'		198°10'24.22"	2+69.61	N 9707.2709, E9603.9228	3+30.91	N 9649.0293, E 958
C2	104.02'	328.26'	189°05'42.23"	3+30.91	N 9649.0293, E 9584.8039	4+34.93	N 9546.7420, E 956
L3	226.76'		180°25'13.58"	4+34.93	N 9546.7420, E9568.4292	6+61.70	N 9319.9852, E 956
L4	5.13'		176°26'43.39"	6+61.70	N 9319.9852, E9566.7652	6+66.83	N 9314.8618, E 956
C3	221.46'	1221.15'	171°15'00.00"	6+66.83	N 9314.8618, E 9567.0835	8+88.29	N 9096.2793, E 960

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UTILITY NOTES:

- 1. FOR GAS SERVICE CONNECTION CONTACT BLACK HILLS ENERGY, CHUCK HOAG (1-785-832-3944).
- 2. FOR ELECTRIC SERVICE CONNECTION CONTACT WESTAR ENERGY, MIKE SOLIDA (1-785-865-4850)
- 3. ALL ROUTING AND INSTALLATION OF PROPOSED UTILITIES (TELEPHONE, GAS, WATER, CABLE, ELECTRICAL, ETC.) SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND THE APPROPRIATE UTILITY PROVIDER. ALL UTILITY ROUTING SHALL BE APPROVED BY THE OWNER AND THE APPROPRIATE UTILITY PROVIDER PRIOR TO INSTALLATION. ANY PROPOSED UTILITY ROUTING DESIGNATED ON THESE DOCUMENTS ARE FOR GENERAL GUIDELINES ONLY UNLESS OTHERWISE SPECIFIED. BARTLETT AND WEST, INC. ASSUMES NO LIABILITY FOR IMPROPER ROUTING OR CONNECTIONS TO EXISTING UTILITIES.
- 4. ALL INSTALLATION AND MATERIALS TO BE IN COMPLIANCE WITH CITY OF (city), (state) CODES AND SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALL CODES AND REGULATIONS.
- 5. ALL ROUTING OF UNDERGROUND ELECTRIC LINE TO BE VERIFIED WITH APPROPRIATE PROVIDER PRIOR TO INSTALLATION. ANY AND ALL PAVEMENT, TURF, ETC. REMOVED FOR INSTALLATION SHALL BE REPLACED AS PREVIOUSLY EXISTED.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL METHODS NEEDED DURING THE INSTALLATION OR CONSTRUCTION OF ANY UTILITIES OR RELATED ITEMS. AT NO TIME SHALL A DRIVE LANE BE CLOSED TO THRU TRAFFIC. CONTRACTOR SHALL MAINTAIN AT LEAST 15 FEET OF MINIMUM DRIVE WIDTH TO ACCOMMODATE TRAFFIC FLOW.
- 7. CONTACT AFFECTED OWNER(S) A MINIMUM OF 24 HOURS PRIOR TO HALTING OF UTILITY SERVICES. UNDER NO CIRCUMSTANCE SHALL ANY UTILITY SERVICE BE DISCONTINUED FOR MORE THAN (1) 12-HOUR PERIOD.
- 8. REFER TO ELECTRICAL/MECHANICAL ENGINEERS PLANS FOR ALL ROUTING AND CONNECTIONS TO BUILDINGS.
- 9. THE CONTRACTOR SHALL DISPOSE OF ANY ROCK EXCAVATED FROM TRENCHES AND STRUCTURES OFFSITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. TRENCH WIDTH USED IN COMPUTING ROCK EXCAVATION SHALL BE THE OUTSIDE DIAMETER OF PIPE PLUS 12-INCHES.
- 10. THE PRICE BID FOR SANITARY SERVICE LINE, IN PLACE, SHALL INCLUDE TRENCHING, LAYING PIPE AND FITTINGS, BEDDING MATERIALS, BACKFILL, MARKING AND COMPACTION.
- 11. CONNECT WATER LINES WITH APPROPRIATE TEE JOINTS & VALVE BOXES PER CITY OF (city) STANDARDS. CONTACT THE CITY OF (city) WATER DEPARTMENT REPRESENTATIVE PRIOR TO ANY WATER LINE INSTALLATION.
- 12. WATER MAINS SHALL BE INSTALLED AT LEAST 10 FEET HORIZONTALLY FROM SANITARY SEWER MAINS AND AT LEAST 5 FEET HORIZONTALLY FROM STORM SEWER. THE DISTANCE SHALL BE MEASURED EDGE OF PIPE TO EDGE OF PIPE. CONTRACTOR SHALL BE REQUIRED TO VERIFY AND FOLLOW ALL CURRENT STATE DEPARTMENT OF HEALTH AND ENVIRONMENT JURISDICTION REGULATIONS.
- 13. WATER MAINS SHALL MAINTAIN 18-INCHES OF VERTICAL CLEARANCE BETWEEN THE OUTSIDE OF THE WATER MAIN TO THE OUTSIDE OF THE SANITARY MAIN. CONTRACTOR SHALL BE REQUIRED TO VERIFY AND FOLLOW ALL CURRENT STATE DEPARTMENT OF HEALTH AND ENVIRONMENT JURISDICTION REGULATIONS.
- 14. ALL WATER MAINS SHALL MAINTAIN A MINIMUM COVER OF 42-INCHES.
- 15. CONTRACTOR SHALL COORDINATE ROUTING OF EXISTING AND PROPOSED ELECTRICAL, GAS, CABLE AND TELEPHONE LINES WITH THE APPROPRIATE SERVICE PROVIDER, OWNER, SUB-CONTRACTOR AND ELECTRICAL/MECHANICAL ENGINEERS PLANS TO ENSURE THESE SERVICES ARE NOT INTERRUPTED AT THE EXISTING BUILDING COMPLEX.

LIST OF UTILITIES

1-785-832-	3130	CITY OF LAWRENCE PUBLIC WORKS ENGINEERI
1-785-832-	3034	CITY OF LAWRENCE TRAFFIC ENGINEERING
1-785-832-	7880	CITY OF LAWRENCE WATER & WASTEWATER
1-785-832-	3142	CITY OF LAWRENCE STORMWATER ENGINEER
1-785-832-	3190	CITY OF LAWRENCE RIGHT-OF-WAY MANAGER
1-913-254-	6335	ATMOS ENERGY (GAS)
1-785-832-	3944	BLACK HILLS ENERGY (GAS)
1-785-865-	4850	WESTAR ENERGY (ELECTRIC)
1-785-276-	5377	AT&T (TELEPHONE)
1-785-312-	6922	WOW (CABLE TV)

ING DAVID CRONIN DAVID WOOSLEY ANDY ENSZ MATT BOND JACOB BARNES GARY MILLIGAN CHUCK HOAG MIKE SOLIDA KEITH GATZEMEYER HARV WAYMIRE

STOP! CALL 1-800-DIG-SAFE TOLL FREE www.kansasonecall.com 1-800-344-7233

PLANNING LAYOUT ONLY

UTILITY PLAN

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SITE PLAN FOR LAWRENCE SOLID WASTE F/ 2201 KRESGE ROAD LAWRENCE, KANSAS

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						BY DRA DRA	
LANDSCAPE	ΕΝΟΤ	<u>ES:</u>					
GENERAL CONTRACT	OR SHALL	. GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM	DATE OF PRO		TAL COMPLETION.		
ALL PLANT MATERIA	LS SHALL	MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS F	OR NURSERY		60.1-2004).		
SITE.							
NO PLANT MATERIAL FLAGGED BY THE CO	. Shall be Ntracto	E SUBSTITUTED WITH OUT THE APPROVAL OF THE OWNER. ALL PLANTING R AND APPROVED BY THE OWNER, PRIOR TO INSTALLATION.	LOCATIONS	FOR TREES AND	SHRUBS SHALL BE	ENTS	
ALL DISCREPANCIES DETRIMENTAL TO PL	AND/OR F ANT GRO	TIELD CHANGES SHALL BE REPORTED TO THE OWNER FOR APPROVAL PRION WTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONT	R TO IMPLEM	IENTATION. WH OBSTRUCTIONS,	EN CONDITIONS LANDSCAPE		
CONTRACTOR SHALL	NOTIFY 1	THE OWNER BEFORE PLANTING.					
BE REPAIRED BY THE	E GENERAL	CONTRACTOR TO THE SATISFACTION OF THE OWNER.	S. DAMAGE I	O UTILITILS AND	STRUCTURES SHALL	PER PER	
		SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS ON SITE THI			ION PROCESS.	SIONS	
EXCAVATION; DO NO	OT MIX WI	TH PLANT MIX OR USE AS BACK-FILL. SEE SHRUB & TREE PLANTING DETAI D INSTALL PLANTS COMPLETELY, PRIOR TO SEEDING.	ILS FOR COM	PLETE PLANTING	PREPARATION.	REVIS	
PLANT MIX SHALL CO		TOPSOIL COMPLETELY FREE OF DEBRIS, ROCK IN EXCESS OF 1" IN DIAME	TER, STICKS	AND CLAY. MIX	80% TOPSOIL WITH	<u>NTE</u> 1.14 2.14	
ALL SHRUBS SHALL E	BE INSTAL	LED IN PROPOSED PLANTING BEDS AND ALL MULCH FOR THE PROJECT TO	BE PROVIDE	D BY THE CITY (I	RECYCLED HARDWOOD	D/ 11.2 12.2	
ALL PLANTED SURFA	RACTOR 1	TO HAUL TO SITE FROM CITY WOOD LOT.	GNED TO PER	MIT TRANSPIRA	TION, BUT RETARD	3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
EXCESSIVE LOSS OF ACCORDANCE WITH	MOISTUR	E FROM PLANTS. ANTI-DESSICANT TO BE DELIVERED IN MANUFACTURER'S TURER'S INSTRUCTIONS. APPLY PRIOR TO APPLICATION OF MULCH.	FULLY IDEN	TIFIED CONTAIN	ERS AND MIXED IN	I IE	
ALL UTILITY INFORM SHALL VERIFY ALL UTILITY AND T	AS NOT D L AT THE OF THE OV METER. A DES AND FOLLOWIN SWING SC REAS THR ING AND/(HE OWNEF IATION SH TILITY DE D LOCATE THE ENGIN	DIRECTION OF THE OWNER. SEED SHALL BE TURF TYPE TALL FESCUE BLEN WNER. ALL TURF AREAS SHALL CONSIST OF A MINIMUM 8" THICKNESS TOF ALL TOPSOIL AREAS SHALL BE FINE GRADED AND RAKED, REMOVING RIDGE CREATE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PRIOR TO SODDING OF SEEDING, APPLY FERTILIZER AT THE MANUFACTURER'S RECOMMENDED ODDING, APPLY GYPSUM AT THE RATE OF 100 LBS. PER 1000 SQ. FEET. THE OUGHOUT THE WARRANTY PERIOD AND SHALL PERFORM OPERATIONS SUC OR REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH TURF SURFACE, F R. HOWN HEREIN IS BASED ON THE INFORMATION AVAILABLE TO THE ENGINE PTHS AND LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHA AND/OR ADJUST THEIR UTILITY AS REQUIRED FOR CONSTRUCTION. ALL IN NEER ASSUMES NO LIABILITY FOR SAME.	ND SUCH AS V PSOIL FREE C ES AND FILLI G, MOISTEN P RATE FOR NE E GENERAL CO CH AS ROLLIN FREE OF EROL EER AT THE T ALL BE RESPO UTILITY LOC/	ALL DE TORF TYP WINNING COLOR DF CLAY, DEBRIS NG DEPRESSION: PREPARED TOPSO EWLY ESTABLISH ONTRACTOR SHA NG, REGRADING, DED OR BARE AR IME OF DESIGN. NSIBLE FOR CON ATIONS SHOWN	THE CONTRACTOR THE CONTRACTOR THE CONTRACTOR THE PLANS ARE	ETT	DRIVE - LAWRENCE K8 66049 19.9452 - FAX 785.749.5961 W.BARTWEST.COM
CONTRACTOR SHALL		DNSIBLE FOR CALCULATING THE AREAS AND QUANTITIES OF SEED NEEDED		UM COVERAGE.			181A 18.74 18.74
ALL PLANTING BED E AND CURVES SHALL	EDGING IS BE CONTI	NUOL-MET STEEL EDGING OR EQUAL PER DIRECTION OF THE OWNER. TREE NUOUS AND SMOOTH, MEETING THE DESIGN INTENT SHOWN ON THE DRA	E KING EDGIN WINGS.	NG TU BE NATUR	AL EAKIM EDGE. LINES		2 2 2 2
REMOVE ANY EXCESS	S SOIL AN	D DEBRIS FROM AREA AND DISPOSE OF IN AN APPROVED MANNER.		OPM CDACTNIC 1			44 U 1 D N 1 D N
PROTECTION MEASU	RES FOR I	EXISTING VEGETATION SHALL INCLUDE A REQUIREMENT THAT THE DRIP-LI	INE AREA (UN	NDER THE CANO	PY) SHALL BE FENCED		ů "
WITH CONSTRUCTIC	ON FENCIN G, TRENCH	IG PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE AREA. SIGNAGE INDICA IING, OR STORING OF VEHICLES OR MATERIALS MAY OCCUR WITHIN THIS	ATING THAT ' AREA".	"No developme	NT ACTIVITY		
ALL IRRIGATION NEE	EDS SHALL	BE COORDINATED WITH CRYSTAL MILES, CITY OF LAWRENCE HORTICULT	fure manage	ER.		setts	nsas 6044 5806 1515
PI ANIT C	~нег						ence, no 6 - 749 - - 749 -
TREES		BOTANICAL NAME / COMMON NAME	CONT	SIZE			Lawr 785 Х 785
ACE GIN	6	Acer ginnala `Flame` / Flame Amur Maple	B & B	2.5"Cal			FA
CAR BET	7	Carpinus betulus `Fastigiata` / Pyramidal European Hornbean	B&B B&B	2.5"Cal		H e	
COT GRA	2	Cotinus coggygria `Grace` / Grace Smoke Tree	B & B	1.5"Cal			
MAC WHI MAL PRA	11 5	Maclura pomifera `White Shield` / White Shield Osage Orange Malus x `Prairifire` / Prairifire Crab Apple	B&B B&B	2.5"Cal			
PIC ABI	20	Picea abies / Norway Spruce	Ht.	6' MIN.			
QUE BIC	2	Quercus bicolor / Swamp White Oak	B&B	2.5"Cal			
QUE SHU	5	Quercus shumardii / Shumard Red Oak	B&B	2.5"Cal			
TAX DIS	3	Taxodium distichum / Bald Cypress	B&B	2.5"Cal			
ZEL WIR	6	Zelkova serrata `Wireless` / Wireless Zelkova	B&B	2.5 Cal			0' s
			9I7E	SI7E			R Nsv
BUX GR3	18	Buxus x `Green Gem` / Green Gem Boxwood	1 gal				ШĂ
CAR CLA	15	Caryopteris x clandonensis `Blue Mist` / Blue Mist Shrub	3 gal			I I I I I I I I I I I I I I I I I I I	S S S
JUN KET	24 17	Juniperus chinensis `Keteleeri` / Keteleeri Chinese Juniper	3 gal Ht.	6` Ht. Min			Ш Z
JUN SEA	18	Juniperus x pfitzeriana `Sea Green` / Sea Green Juniper	5 gal				
PHY NIN SPI BET	14 21	Physocarpus opulifolius 'Summer Wine' / Summer Wine Ninebark Spiraea betulifolia / Birch Leaf Spirea	3 gal 3 gal			S S	–
VIB ALL	10	Viburnum rhytidophyllum `Alleghany` / Leatherleaf Viburnum	5 gal				50
SHRUB AREAS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING		Ž	й У
HEM RAZ	58	Hemerocallis x `Razzle Dazzle` / Razzle Dazzle Daylily	1 gal	18" o.c.			
NEP RAC	17 346	Nepeta racemosa `Walker`s Low` / Catmint	1 gal	30" o.c. 18" o.c.			
MONARCH	2,657	Per City Direction / Monach Garden	Per City	/			
SHRUB AREAS HEM RAZ HOS LIB NEP RAC MONARCH	QTY 58 17 346 2.657	BOTANICAL NAME / COMMON NAME Hemerocallis x `Razzle Dazzle` / Razzle Dazzle Daylily Hosta x `Liberty` / Plantain Lily Nepeta racemosa `Walker`s Low` / Catmint Per City Direction / Monach Garden	CONT 1 gal 1 gal 1 gal Per City	SPACING 18" o.c. 30" o.c. 18" o.c.		WREN	
ROS 270	40	Rosa x `Meidrifora` / Coral Drift Roses	1 gal	24" o.c.			
DSCAPE REC erior Parking Lot La provided: 5,570 s.f. erior Landscaping f equired = 14 Trees	DUIRE andscapio for Phase s and 42	MENTS ng for Phase 2 Building only: 137 Stalls x 40 s.f. = 5,480 s.f. Require 2 Building only (Trees and Shrubs): 1 Tree and 3 Shrubs per 10 St Shrubs	ed. alls				
rovided = 27 New = 43 New eet Trees: 1 Tree p equired = 12 rovided = 12	Trees Shurbs per 40 foo	ot of Frontage along Kresge Road (451.5' Frontage)		30	1" = 30'	DESIGNED BY: R DRAWN BY: APPROVED BY: DESIGN PROJ: 10	LW/DRA RLW DRA
Jrading activity dar termines they are u march Garden may	nages the unhealthy be plant	e health of the street trees to an extent that the City Horticulture Ma or unsafe, they will be replaced by the property owner. ed with native grasses as Alternative Landscape area per direction o	anager of the		OT FOR CONSTRUCTION	CONST PROJ: 18 CONST PROJ: SCALE: AS DATE: 10	SHOWN
нег.						SHEET NUMBER	
				LA	NDSCAPE PLAN		C8.0

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