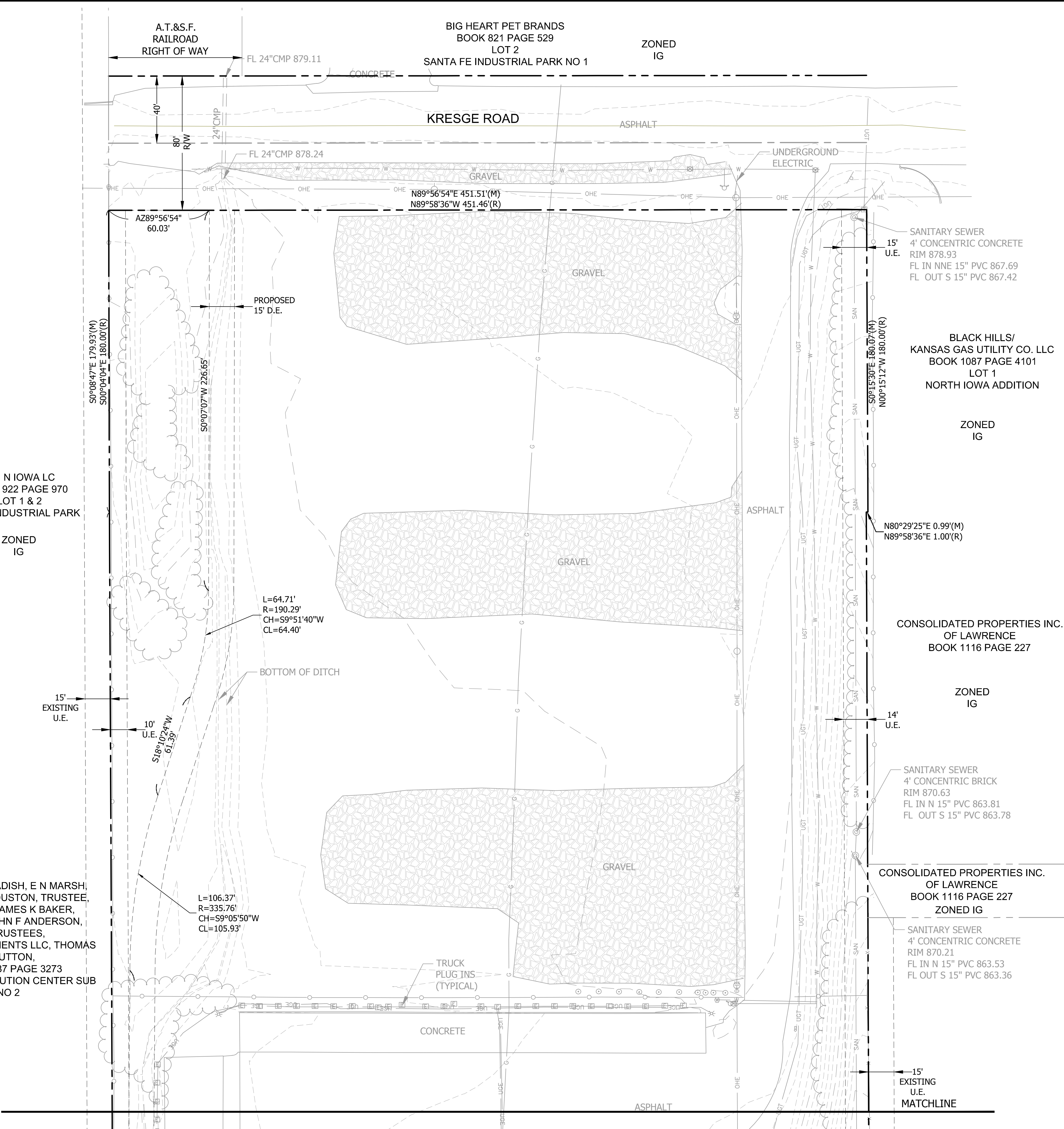


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Last edit on:

LAWRENCE KADISH, E N MARSH,
ROBERT A CLOUSTON, TRUSTEE,
F E BEHM, JAMES K BAKER,
DAVID E & JOHN F ANDERSON,
CO-TRUSTEES,
OYAAS INVESTMENTS LLC, THOMAS
C SUTTON,
BOOK 1087 PAGE 3273
K MART DISTRIBUTION CENTER SUB
NO 2

411 N IOWA LC
BOOK 922 PAGE 970
LOT 1 & 2
SMITH INDUSTRIAL PARK
ZONED
IG



LEGAL DESCRIPTION

LOT 1, SOLID WASTE FACILITY ADDITION — (PENDING)

SITE SUMMARY

EXISTING SITE SUMMARY:

EXISTING BUILDINGS: 9,297 SF (0.21 AC.)
EXISTING PAVEMENT: 93,077 SF (2.13 AC.)
TOTAL IMPERVIOUS: 102,374 SF (2.34 AC.)
EXISTING PERVIOUS: 375,043 SF (8.62 AC.)
TOTAL SITE AREA: 477,417 SF (10.96 AC.)

PROPOSED SITE SUMMARY:

PROPOSED BUILDINGS: 23,497 SF (0.54 AC.)
PROPOSED PAVEMENT: 199,891 SF (4.59 AC.)
PROPOSED IMPERVIOUS: 223,388 SF (5.13 AC.)
PROPOSED PERVIOUS: 254,029 SF (5.83 AC.)
TOTAL SITE AREA: 477,417 SF (10.96 AC.)

GENERAL NOTES

- Existing Zoning: IG (General Industrial District)
Proposed Zoning: IG
- Current Use: Trucking Company and Maintenance
Proposed Use: Large Collection and Processing Recycling Facility, Fleet Storage, Administrative Offices, Heavy Equipment Repair, Cleaning and Exterior Storage
- Topographic information taken from field survey prepared by Bartlett & West, Inc., September 2014.
- Owner: City of Lawrence, 6 East 6th Street, Lawrence, KS 66044
- Building Information:
Existing Building:
9,297 s.f. Office and Truck Maintenance
Proposed Buildings:
5,100 s.f. Household Hazardous Waste Facility
9,100 s.f. One-Story Building Addition, offices, meeting room, locker room and showers
- Parking Information:
Existing Parking = 8 stalls marked (9x18), unmarked truck parking around perimeter of large open pavement area.

Phase 1
Required Parking for Recycling Collection and Processing Facility:
1 per vehicle used in business + 1 stall per 1,000 s.f. (5,100/1,000=6) = 7 required
1 van-accessible ADA stall required
Total Required Parking (Phase 1) = 7 stalls required

Proposed Parking:
Standard 9x18 stalls = 4
ADA 9x18 stalls = 1
Unloading stalls at drop-off = 2
Total = 7

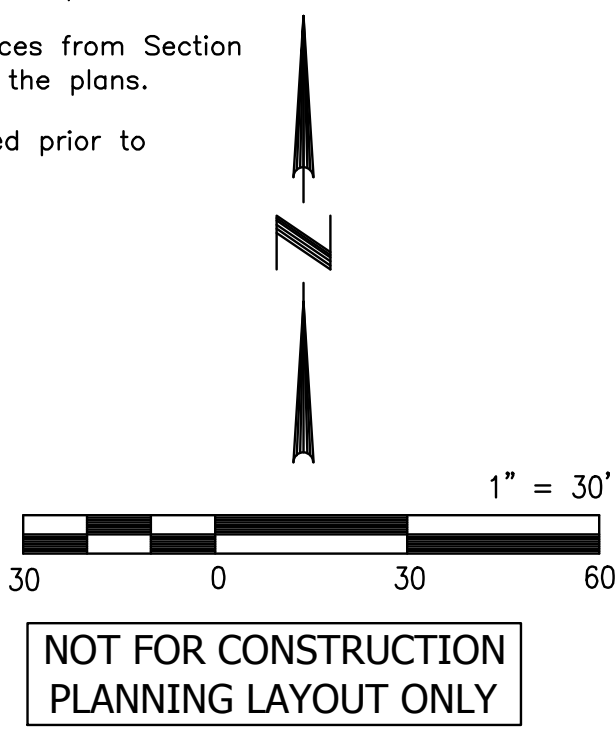
Required Bike Parking:
None required
Proposed Bike Parking:
4 provided

Phase 2
Required Parking for Phase 2:
Fleet Storage: 1 stall per 1.5 employees = (100/1.5=67) = 67 required
Administrative Office Space: 1 stall per 300 s.f. (11,580/300) = 39 required
Exterior Storage: 1 stall per 1 acre of outdoor storage = 1 required
Heavy Equipment Repair and Cleaning: No stall requirement. Part of Fleet Storage.
Total Required Parking (Phase 2) = 107 stalls required

Total Required Parking (Phase 1 and Phase 2) = 114 stalls required

Proposed Parking:
Standard 9x18 stalls = 132
ADA 9x18 stalls ** = 5
Total = 137 (Note: 12 future spaces shown in plan not included)
**(All ADA stalls can be van-accessible but only on van-accessible space required, all ADA spaces have an adjacent 9' wide access aisle)

Required Bike Parking:
1/10 auto spaces for admin./office use; 39 spaces required for the admin./office use —
4 bike spaces required
Proposed Bike Parking:
10 provided
- Setbacks:
Front yard = 25' (along Kresge Road)
Side yards = 15'
Rear yard = 50' (along I-70)
- This site plan has been designed to comply with the provisions of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) for building and facilities. Appendix A to 28 CFR Part 36.
- All traffic control signs placed on private property open to the general public shall comply with the "Manual on Uniform Traffic Control Devices" and "Standard Highway Signs," published by the Federal Highway Administration, with respect to size, shape, color, retroreflectivity, and position.
- Proposed drive and parking areas to have concrete curb to meet City of Lawrence standards, except where noted.
- Turf areas to be seeded unless noted otherwise.
- Wall Mounted Lighting shall be located at building entrances. All lighting shall be shielded to prevent glare off-site.
- Accessible spaces are to be signed and stenciled per Sec. 20-912.
- Either building or ground mounted mechanical equipment will be screened in accordance with Section 20-1006(b) of the Development Code. Ground mounted equipment will be screened from view of adjacent properties and from street rights-of-way as required per code.
- Trees to be removed will be noted on demolition plan.
- All retaining walls to be concrete, unless noted otherwise on site plan.
- At their November 6, 2014 meeting, the BZA approved variances from Section 20-913 to allow the curb/gutter and surfacing as shown on the plans.
- Photometric plan for Phase 2 shall be submitted and approved prior to the installation of exterior lighting in Phase 2.



NOT FOR CONSTRUCTION
PLANNING LAYOUT ONLY

EXISTING CONDITIONS

REV	DATE	DESCRIPTION	BY
1	11.21.14	REVISIONS PER CITY COMMENTS	DRA
2	12.11.14	REVISIONS PER CITY COMMENTS	DRA
3	12.22.14	REVISIONS PER CITY COMMENTS	DRA
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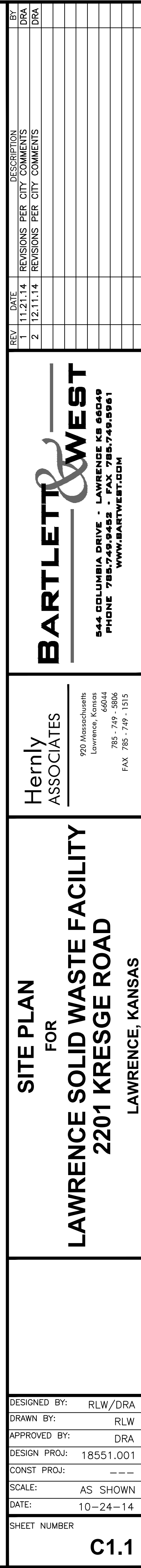
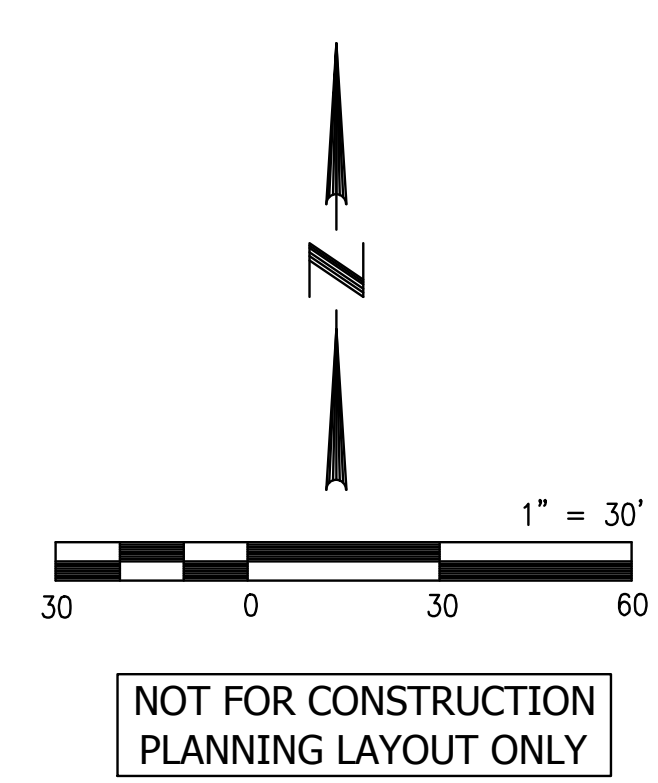
BARTLETT & WEST
544 COLUMBIA DRIVE - LAWRENCE KS 66044
PHONE 785-749-7456 FAX 785-749-5961
WWW.BARTLETTWEST.COM

Hernly ASSOCIATES
920 Massachusetts
Lawrence, KS 66044
785-749-5806
FAX 785-749-1515

SITE PLAN FOR
LAWRENCE SOLID WASTE FACILITY
2201 KRESGE ROAD
LAWRENCE, KANSAS

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

C1.0





1. 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.

NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY CURB THAT IS DAMAGED DURING CONSTRUCTION. IT IS RECOMMENDED THE CONTRACTOR KEEP A PHOTO LOG OF ENTRANCE THROUGHOUT PROJECT

NTS

 PHASE 1 DEMOLITION

 PHASE 2 DEMOLITION

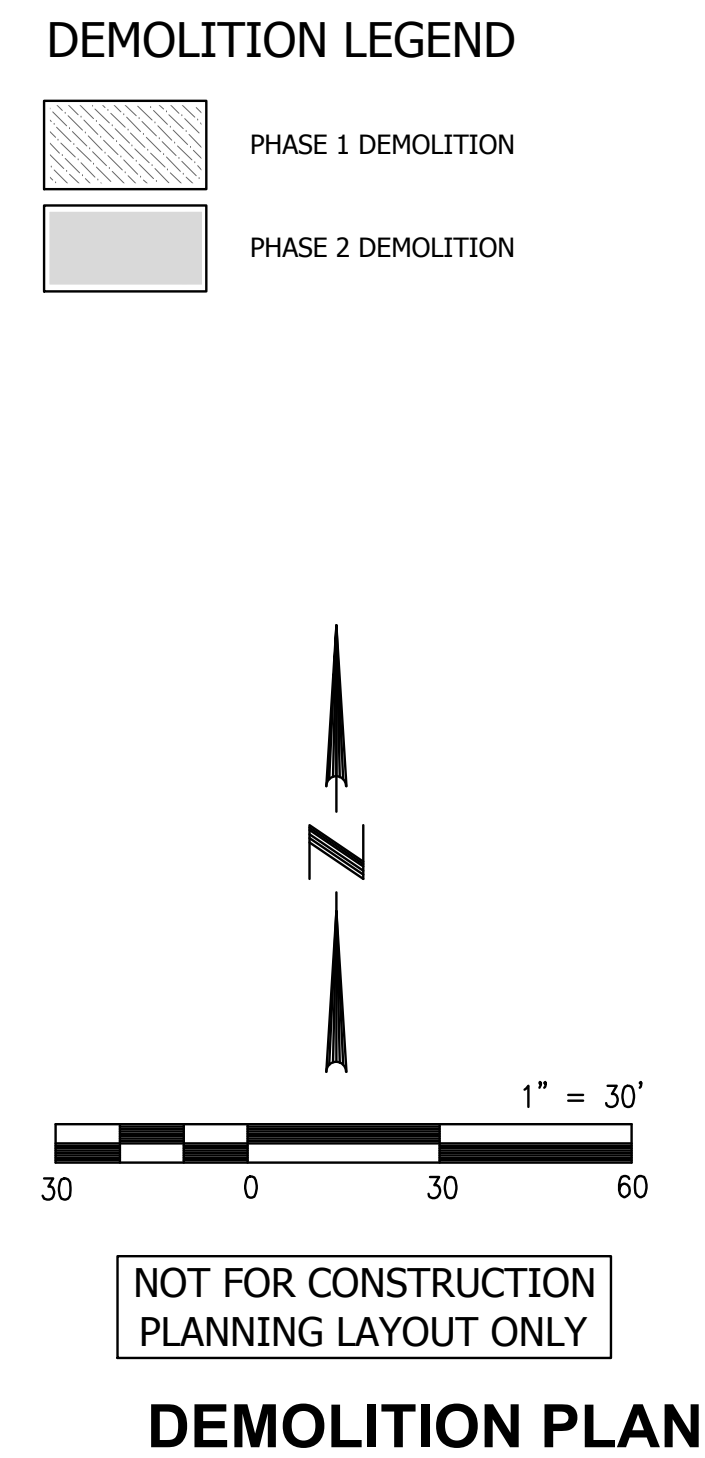
1" = 30'

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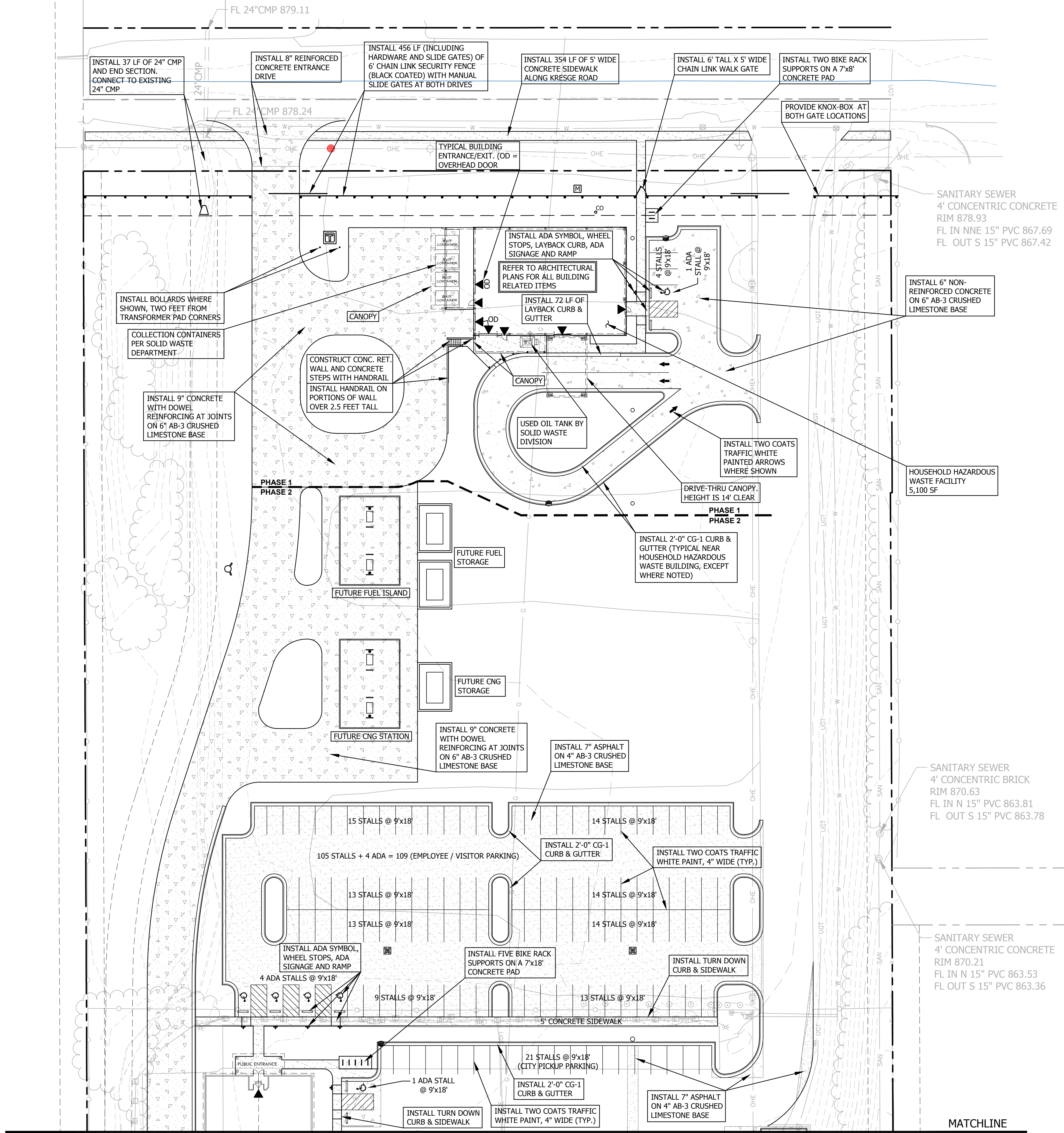
DEMOLITION PLAN

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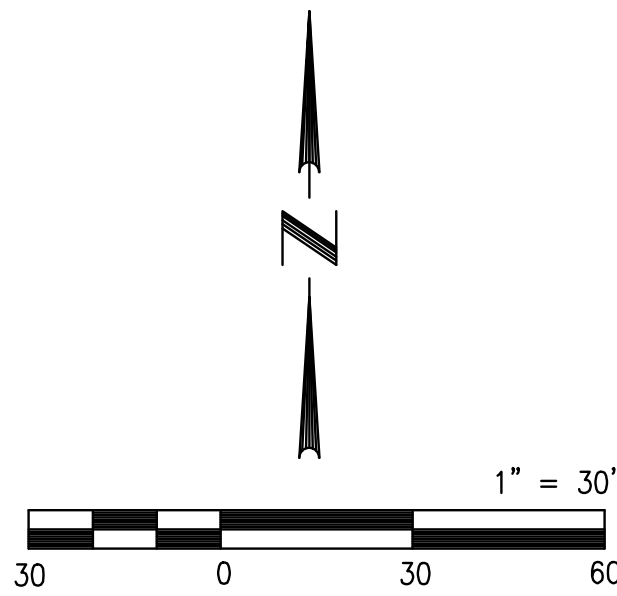
SITE PLAN FOR LAWRENCE SOLID WASTE FACILITY 2201 KRESGE ROAD LAWRENCE, KANSAS	DESIGNED BY:	RLW/DRA
	DRAWN BY:	RLW
	APPROVED BY:	DRA
	DESIGN PROJ:	18551.001
	CONST PROJ:	---
	SCALE:	AS SHOWN
DATE:	10-24-14	
SHEET NUMBER		C2.1

Hernly ASSOCIATES 900 Massachusetts Lawrence, Kansas 66044 785-749-5866 785-749-5951 FAX 785-749-1515	BARTLETT & WEST 544 COLUMBIA DRIVE - LAWRENCE KS 66049 PHONE 785-749-5952 • FAX 785-749-5951 WWW.BARTLETTWEST.COM	REV	DATE	DESCRIPTION	BY
		1	11.21.14	REVISIONS PER CITY COMMENTS	DRA
		2	12.11.14	REVISIONS PER CITY COMMENTS	DRA



LAYOUT NOTES:

- 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.
- 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.
- ALL HANDICAPPED SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL STATE, LOCAL, AND ADA SPECIFICATIONS AS CURRENTLY IN EFFECT.
- 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.
- 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).
- 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.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.
- 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.
- 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.
- ALL METHODS AND MEANS OF CONSTRUCTION PERFORMED ON THIS PROJECT SHALL CONFORM TO THE DESIGN CRITERIA FOR THE CITY OF LAWRENCE, KS.
- REFER TO SHEET C7.0 FOR UTILITY NOTES, ROUTING, CONNECTIONS, ETC.
- CHAIN LINK FENCE SHALL 6' TALL, BLACK VINYL COATED. INSTALL FENCING, POSTS AND GATE SYSTEMS PER PROVIDER'S/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)



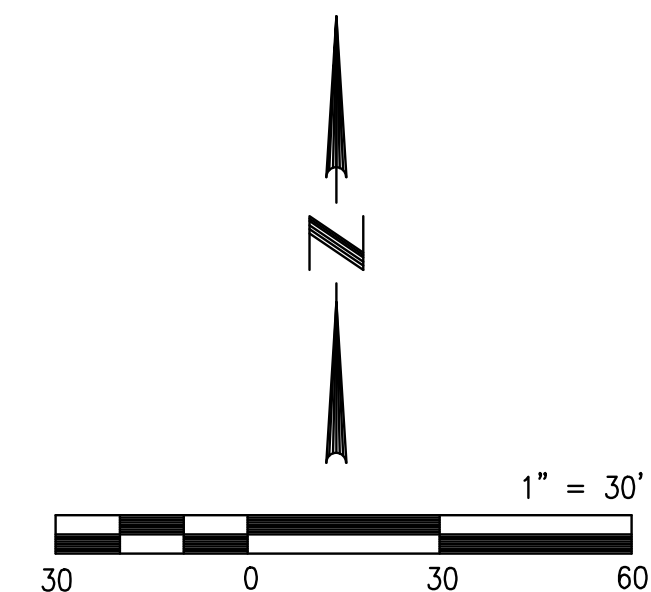
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LAYOUT PLAN

REV	DATE	DESCRIPTION	BY
1	11.21.14	REVISIONS PER CITY COMMENTS	DRA
2	12.11.14	REVISIONS PER CITY COMMENTS	DRA

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

Hernly ASSOCIATES	920 Massachusetts Lawrence, 66044 785-749-8806 FAX 785-749-1515
SITE PLAN FOR LAWRENCE SOLID WASTE FACILITY 2201 KRESGE ROAD LAWRENCE, KANSAS	
BARTLETT & WEST 544 COLUMBIA DRIVE - LAWRENCE KS 66049 PHONE 785-749-8435 FAX 785-749-5961 WWW.BARTLETTWEST.COM	



LAYOUT PLAN

DESIGNED BY:	RLW/DRA
DRAWN BY:	RLW
APPROVED BY:	DRA
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CONST PROJ:	---
SCALE:	AS SHOWN
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SHEET NUMBER	

C3.1

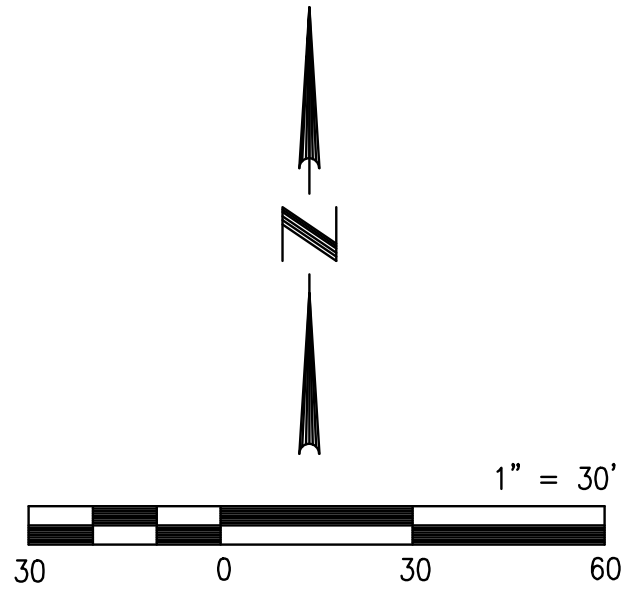
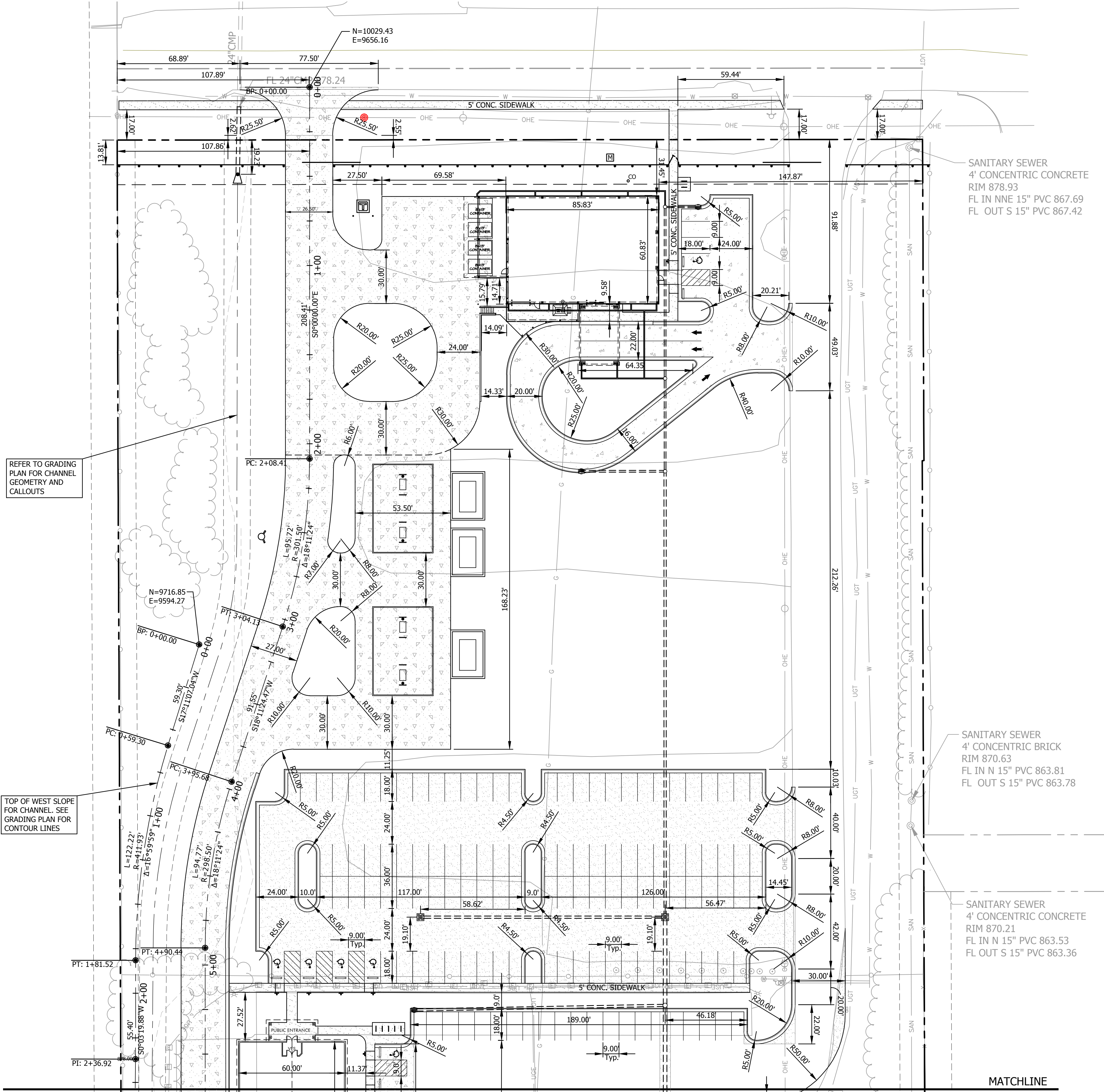
**SITE PLAN
FOR
LAWRENCE SOLID WASTE FACILITY
2201 KRESGE ROAD
LAWRENCE, KANSAS**

Hernly
ASSOCIATES

BARTLETT & WEST
544 COLUMBIA DRIVE • LAWRENCE KS 66049
PHONE 785.749.9452 • FAX 785.749.5961
WWW.BARTWEST.COM

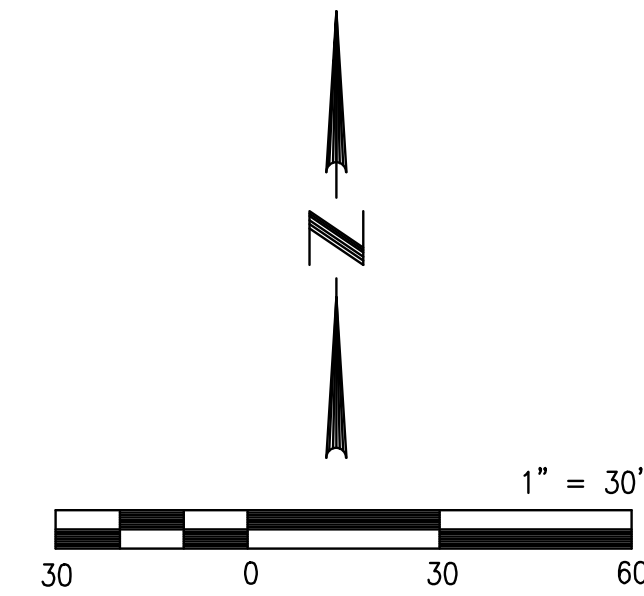
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LAWRENCE, NANSO



DIMENSION PLAN

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					
SHEET NUMBER		C4.0		Hernly ASSOCIATES		920 Massachusetts Lawrence, 66044 785-749-5806 FAX 785-749-1515		BARTLETT & WEST		544 COLUMBIA DRIVE - LAWRENCE KS 66049 PHONE 785-749-5435 FAX 785-749-5961 WWW.BARTLETTWEST.COM		REV		DATE		DESCRIPTION		BY	
												1		11.21.14		REVISIONS PER CITY COMMENTS		DRA	
												2		12.11.14		REVISIONS PER CITY COMMENTS		DRA	



DIMENSION PLAN

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	

C4.1

Hernly
ASSOCIATES

**SITE PLAN
FOR
LAWRENCE SOLID WASTE FACILITY
2201 KRESGE ROAD
LAWRENCE, KANSAS**

BARTLETT & WEST
544 COLUMBIA DRIVE - LAWRENCE KS 66049
PHONE 785.749.9452 - FAX 785.749.5951

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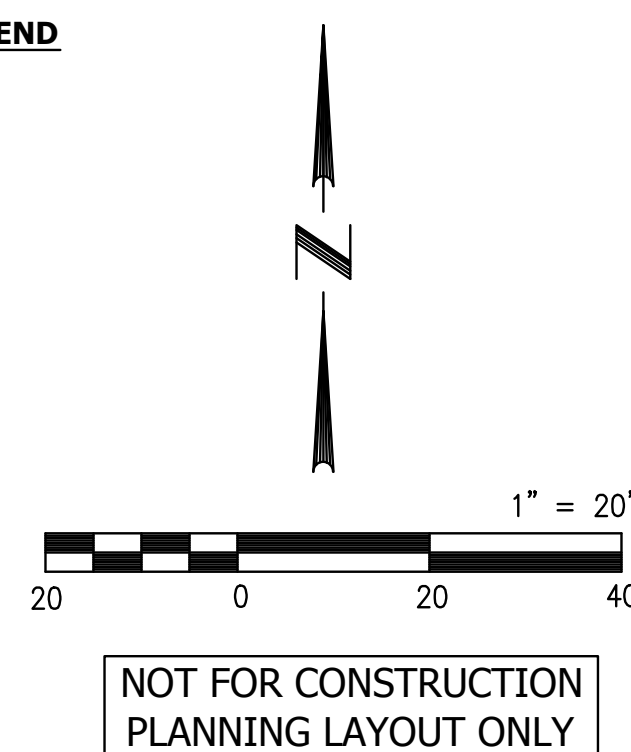
LAWRENCE, KANSAS

ALL RIGHTS RESERVED.	ALL BARTLETT & WEST ENGINEERS PLANS, SPECIFICATIONS AND DRAWINGS ARE PROTECTED UNDER COPYRIGHT LAW, AND NO PART MAY BE COPIED, REPRODUCED, DISPLAYED PUBLICLY, USED TO CREATE DERIVATIVES, DISTRIBUTED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM BY ANY MEANS WITHOUT PRIOR WRITTEN PERMISSION OF BARTLETT & WEST ENGINEERS.
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1. ALL QUANTITIES SHALL BE CALCULATED BY THE CONTRACTOR AND INCLUDE ALL SUBSIDIARY ITEMS NECESSARY TO COMPLETE THE WORK.
2. 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.
5. 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.
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.

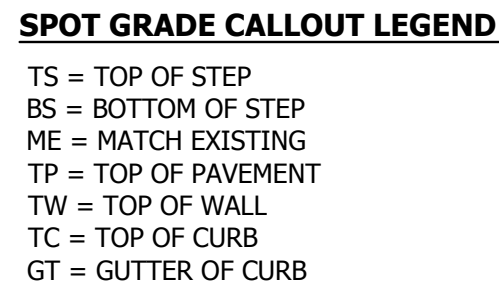
TS = TOP OF STEP
BS = BOTTOM OF STEP
ME = MATCH EXISTING
TP = TOP OF PAVEMENT
TW = TOP OF WALL
TC = TOP OF CURB
GT = GUTTER OF CURB



GRADING PLAN

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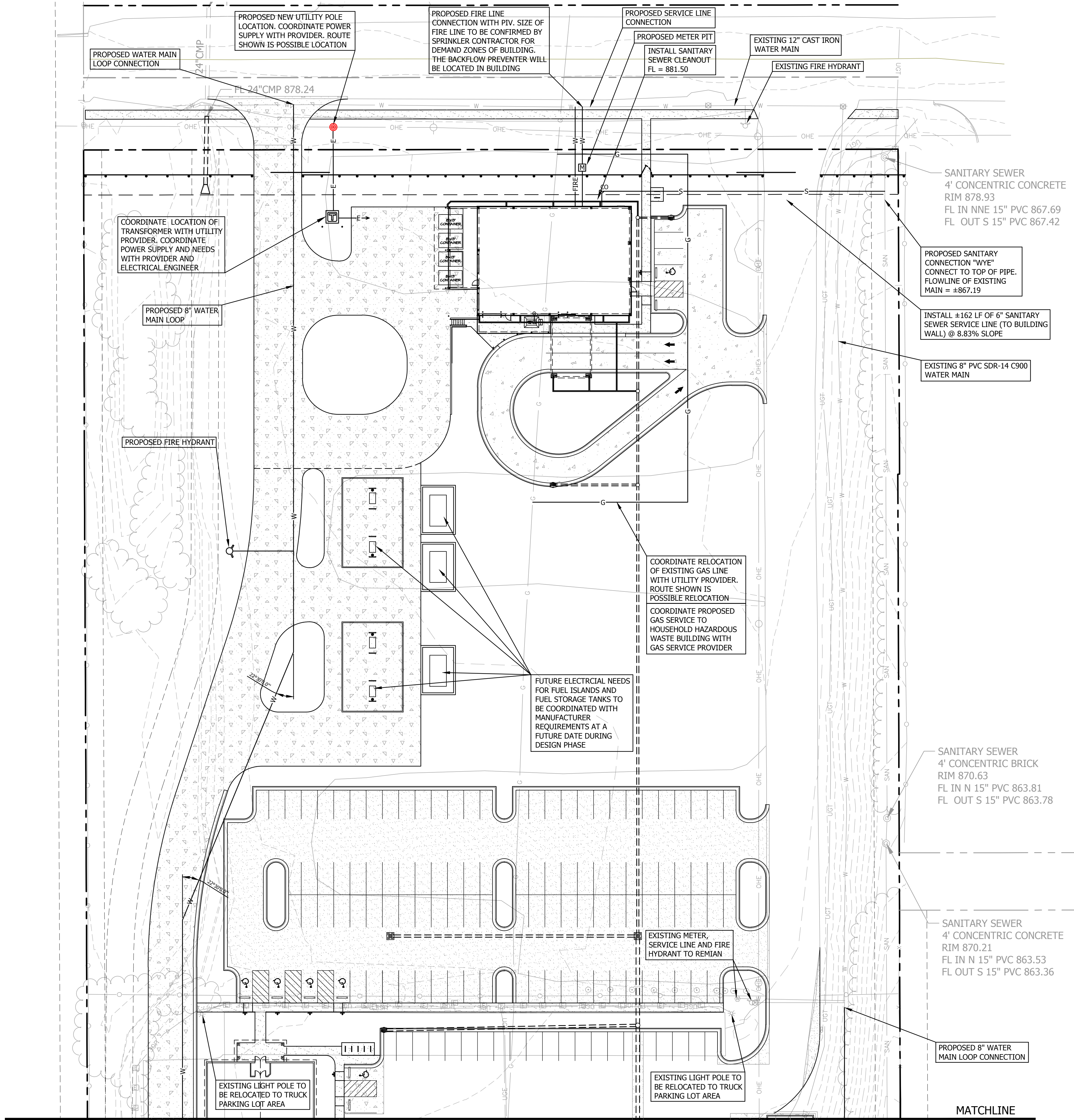


ALIGN - CENTER OF CHANNEL								
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION	START STATION	START SEGMENT	END STATION	END SEGMENT	RADIUS POINT
L1	202.44'		180°07'07.34"	0+00.00	N 9975.5718, E9615.7744	2+02.44	N 9773.1314, E 9615.3550	
C1	67.17'	197.79'	189°50'50.60"	2+02.44	N 9773.1314, E 9615.3550	2+69.61	N 9707.2709, E 9603.9228	N 9773.5412, E 9417.5680
L2	61.30'		198°10'24.22"	2+69.61	N 9707.2709, E9603.9228	3+30.91	N 9649.0293, E 9584.8039	
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 9568.4292	N 9546.6461, E 9896.6920
L3	226.76'		180°25'13.58"	4+34.93	N 9546.7420, E9568.4292	6+61.70	N 9319.9852, E 9566.7652	
L4	5.13'		176°26'43.39"	6+61.70	N 9319.9852, E9566.7652	6+66.83	N 9314.8618, E 9567.0835	
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 9600.7265	N 9390.5731, E 10785.8855

GRADING PLAN

SITE PLAN FOR LAWRENCE SOLID WASTE FACILITY 2201 KRESGE ROAD LAWRENCE, KANSAS	Hernly ASSOCIATES 990 Massachusetts Lawrence, Kansas 66044 785 - 749 - 5806 FAX 785 - 749 - 1515	BARTLETT & WEST 544 COLUMBIA DRIVE • LAWRENCE KS 66049 PHONE 785-749-9452 • FAX 785-749-9961 WWW.BARTWEST.COM	REV.	DATE	DESCRIPTION	15"	
				1	11.21.14	REVISIONS PER CITY COMMENTS	DRA
				2	12.11.14	REVISIONS PER CITY COMMENTS	DRA
							DRA
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	C5.2						

Drawing name: W:\Proj\18000\18551\18551.001\AutoCad\Site Plan and CDA\18551.001 C7.0 Utility Plan.dwg Layout name: C7.0 Plotted by: rlw00576 Plotted on: Dec 11, 2014 - 10:52am
Last edit on:



UTILITY NOTES:

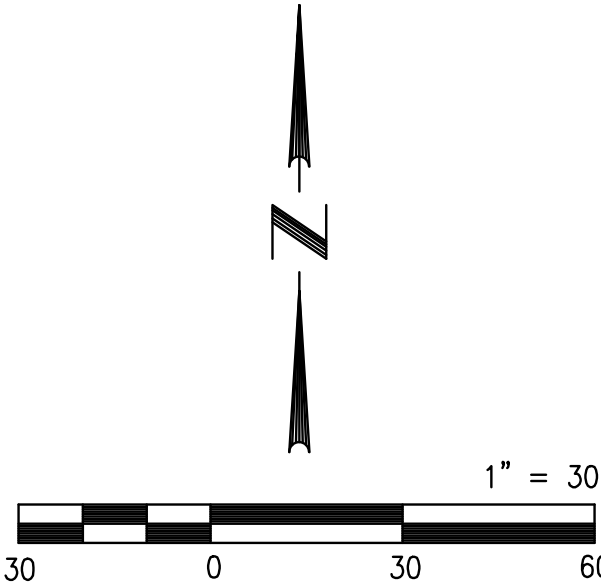
- FOR GAS SERVICE CONNECTION CONTACT BLACK HILLS ENERGY, CHUCK HOAG (1-785-832-3944).
- FOR ELECTRIC SERVICE CONNECTION CONTACT WESTAR ENERGY, MIKE SOLIDA (1-785-865-4850)
- ALL ROUTING AND INSTALLATION OF PROPOSED UTILITIES (TELEPHONE, GAS, WATER, CABLE, ELECTRICAL, ETC.) SHALL BE COORDINATED BETWEEN 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.
- ALL INSTALLATION AND MATERIALS TO BE IN COMPLIANCE WITH CITY OF (city), (state) CODES AND SPECIFICATIONS. CONTRACTOR SHALL VERIFY ALL CODES AND REGULATIONS.
- 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.
- 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.
- 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.
- REFER TO ELECTRICAL/MECHANICAL ENGINEERS PLANS FOR ALL ROUTING AND CONNECTIONS TO BUILDINGS.
- 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.
- THE PRICE BID FOR SANITARY SERVICE LINE, IN PLACE, SHALL INCLUDE TRENCHING, LAYING PIPE AND FITTINGS, BEDDING MATERIALS, BACKFILL, MARKING AND COMPACTION.
- 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.
- 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.
- 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.
- ALL WATER MAINS SHALL MAINTAIN A MINIMUM COVER OF 42-INCHES.
- 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 ENGINEERING	DAVID CRONIN	dcronin@lawrenceks.org
1-785-832-3034	CITY OF LAWRENCE TRAFFIC ENGINEERING	DAVID WOOSLEY	dwoosley@lawrenceks.org
1-785-832-7880	CITY OF LAWRENCE WATER & WASTEWATER	ANDY ENSZ	aensz@lawrenceks.org
1-785-832-3142	CITY OF LAWRENCE STORMWATER ENGINEER	MATT BOND	mbond@lawrenceks.org
1-785-832-3190	CITY OF LAWRENCE RIGHT-OF-WAY MANAGER	JACOB BARNES	jbarnes@lawrenceks.org
1-913-254-6335	ATMOS ENERGY (GAS)	GARY MILLIGAN	gary.milligan@atmosenergy.com
1-785-832-3944	BLACK HILLS ENERGY (GAS)	CHUCK HOAG	chuck.hoag@blackhillscorp.com
1-785-865-4850	WESTAR ENERGY (ELECTRIC)	MIKE SOLIDA	mike.solida@westarenergy.com
1-785-276-5377	AT&T (TELEPHONE)	KEITH GATZEMEYER	kg4306@att.com
1-785-312-6922	WOW (CABLE TV)	HARV WAYMIRE	James.Waymire@wideopenwest.com



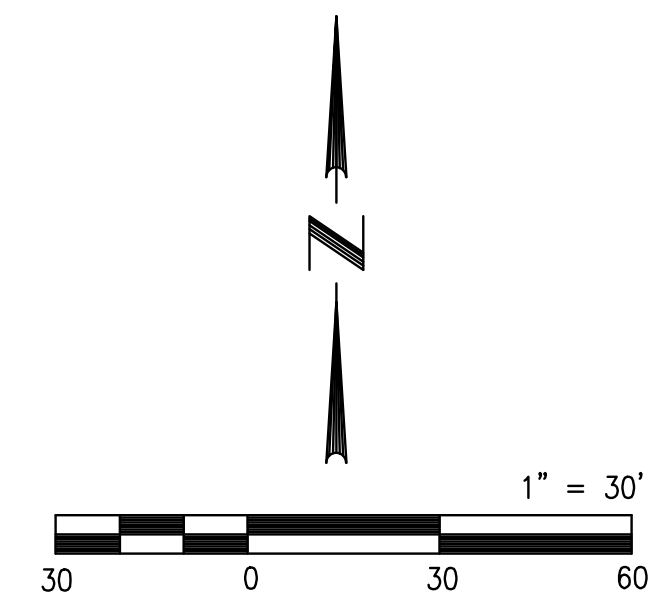
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1-800-344-7233



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UTILITY PLAN

REV	DATE	DESCRIPTION	BY	DATE	DESCRIPTION
			1	11.21.14	REVISIONS PER CITY COMMENTS
			2	12.11.14	REVISIONS PER CITY COMMENTS
			DRA		
BARTLETT & WEST 544 COLUMBIA DRIVE - LAWRENCE KS 66049 PHONE 785-749-7435 FAX 785-749-5961 WWW.BARTLETTWEST.COM					
Hernly ASSOCIATES 920 Massachusetts Lawrence, KS 66044 785-749-6806 FAX 785-749-1515					
SITE PLAN FOR LAWRENCE SOLID WASTE FACILITY 2201 KRESGE ROAD LAWRENCE, KANSAS					
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					
C7.0					



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UTILITY PLAN

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	

C7.1

Hernly
ASSOCIATES

920 Massachusetts
Lawrence, Kansas
66044
785 - 749 - 5806
FAX 785 - 749 - 1515

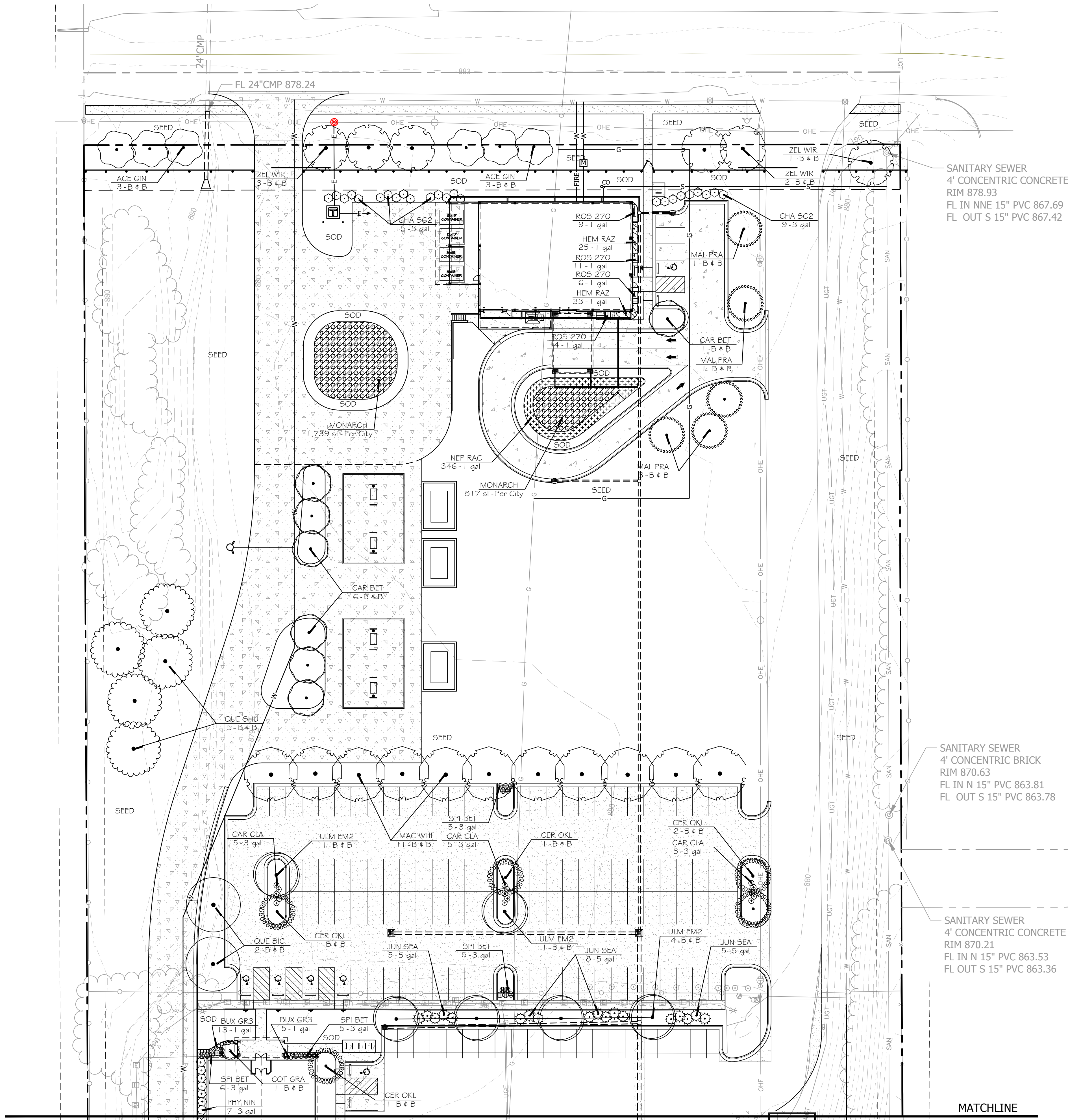
**SITE PLAN
FOR
LAWRENCE SOLID WASTE FACILITY
2201 KRESGE ROAD
LAWRENCE, KANSAS**

BARTLETT & WEST
544 COLUMBIA DRIVE • LAWRENCE KS 66049
PHONE 785/844-5452 • FAX 785/747-5961
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—	+	Z	1	V	A	LAWRENCE, KANSAS					
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LANDSCAPE NOTES:

- GENERAL CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT SUBSTANTIAL COMPLETION.
- ALL PLANT MATERIALS SHALL MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-2004).
- EACH TREE AND SHRUB SHALL BE SECURELY LABELED WITH A WATERPROOF TAG INDICATING BOTANICAL NAME AND COMMON NAME FOR DELIVERY TO SITE.
- NO PLANT MATERIAL SHALL BE SUBSTITUTED WITH OUT THE APPROVAL OF THE OWNER. ALL PLANTING LOCATIONS FOR TREES AND SHRUBS SHALL BE FLAGGED BY THE CONTRACTOR AND APPROVED BY THE OWNER, PRIOR TO INSTALLATION.
- ALL DISCREPANCIES AND/OR FIELD CHANGES SHALL BE REPORTED TO THE OWNER FOR APPROVAL PRIOR TO IMPLEMENTATION. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS OR OBSTRUCTIONS, LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER BEFORE PLANTING.
- THE GENERAL CONTRACTOR SHALL VERIFY LOCATION OF AND PROTECT ALL UTILITIES AND STRUCTURES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE GENERAL CONTRACTOR TO THE SATISFACTION OF THE OWNER.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS ON SITE THROUGHOUT THE CONSTRUCTION PROCESS.
- ALL SHRUB AND TREE PLANTING AREAS SHALL BE EXCAVATED AND BACK-FILLED WITH PLANT MIX. DISCARD SUBSOIL REMOVED FROM PLANTING AREA EXCAVATION; DO NOT MIX WITH PLANT MIX OR USE AS BACK-FILL. SEE SHRUB & TREE PLANTING DETAILS FOR COMPLETE PLANTING PREPARATION. PREPARE PLANTING AREAS AND INSTALL PLANTS COMPLETELY, PRIOR TO SEEDING.
- PLANT MIX SHALL CONSIST OF TOPSOIL COMPLETELY FREE OF DEBRIS, ROCK IN EXCESS OF 1" IN DIAMETER, STICKS AND CLAY. MIX 80% TOPSOIL WITH 20% CITY COMPOST CITY TO PROVIDE COMPOST CONTRACTOR TO HAUL FROM STORAGE LOCATION.
- ALL SHRUBS SHALL BE INSTALLED IN PROPOSED PLANTING BEDS AND ALL MULCH FOR THE PROJECT TO BE PROVIDED BY THE CITY (RECYCLED HARDWOOD TREE MULCH), CONTRACTOR TO HAUL TO SITE FROM CITY WOOD LOT.
- ALL PLANTED SURFACES SHALL RECEIVE EMULSION TYPE, FILM FORMING, ANTI-DESSICANT AGENT DESIGNED TO PERMIT TRANSPIRATION, BUT RETARD EXCESSIVE LOSS OF MOISTURE FROM PLANTS. ANTI-DESSICANT TO BE DELIVERED IN MANUFACTURER'S FULLY IDENTIFIED CONTAINERS AND MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. APPLY PRIOR TO APPLICATION OF MULCH.
- ALL DISTURBED AREAS NOT DESIGNATED AS PAVEMENT OR PLANTING BEDS SHALL BE SEED OR SODDED. SOD SHALL BE TURF TYPE TALL FESCUE BLEND OR APPROVED EQUAL AT THE DIRECTION OF THE OWNER. SEED SHALL BE TURF TYPE TALL FESCUE BLEND SUCH AS WINNING COLORS OR APPROVED EQUAL AT THE DIRECTION OF THE OWNER. ALL TURF AREAS SHALL CONSIST OF A MINIMUM 8" THICKNESS TOPSOIL FREE OF CLAY, DEBRIS, STICKS OR ROCKS IN EXCESS OF 1" IN DIAMETER. ALL TOPSOIL AREAS SHALL BE FINE GRADED AND RAKED, REMOVING RIDGES AND FILLING DEPRESSIONS AS REQUIRED TO MEET FINISHED GRADES AND CREATE POSITIVE DRAINAGE AWAY FROM BUILDINGS. PRIOR TO SODDING, MOISTEN PREPARED TOPSOIL IF GROUND IS DRY. AFTER ONE MONTH FOLLOWING SEEDING, APPLY FERTILIZER AT THE MANUFACTURER'S RECOMMENDED RATE FOR NEWLY ESTABLISHED LAWNS. AFTER TWO MONTHS FOLLOWING SODDING, APPLY GYPSUM AT THE RATE OF 100 LBS. PER 1000 SQ. FEET. THE GENERAL CONTRACTOR SHALL MAINTAIN ALL PLANTED OR TURF AREAS THROUGHOUT THE WARRANTY PERIOD AND SHALL PERFORM OPERATIONS SUCH AS ROLLING, REGRADING, RESODDING, RESEEDING AND/OR REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH TURF SURFACE, FREE OF ERODED OR BARE AREAS TO THE SATISFACTION OF THE OWNER.
- ALL UTILITY INFORMATION SHOWN HEREIN IS BASED ON THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN. THE 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 ENGINEER ASSUMES NO LIABILITY FOR SAME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THE AREAS AND QUANTITIES OF SEED NEEDED FOR OPTIMUM COVERAGE.
- ALL PLANTING BED EDGING IS COL-MET STEEL EDGING OR EQUAL PER DIRECTION OF THE OWNER. TREE RING EDGING TO BE NATURAL EARTH EDGE. LINES AND CURVES SHALL BE CONTINUOUS AND SMOOTH, MEETING THE DESIGN INTENT SHOWN ON THE DRAWINGS.
- REMOVE ANY EXCESS SOIL AND DEBRIS FROM AREA AND DISPOSE OF IN AN APPROVED MANNER.
- SPACING SHOWN FOR PLANTS IS FOR INFORMATION ONLY AND SHALL BE ADJUSTED AS REQUIRED TO PROVIDE UNIFORM SPACING WITHIN PLANTING BEDS.
- PROTECTION MEASURES FOR EXISTING VEGETATION SHALL INCLUDE A REQUIREMENT THAT THE DRIP-LINE AREA (UNDER THE CANOPY) SHALL BE FENCED WITH CONSTRUCTION FENCING PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE AREA. SIGNAGE INDICATING THAT "NO DEVELOPMENT ACTIVITY INCLUDING GRADING, TRENCHING, OR STORING OF VEHICLES OR MATERIALS MAY OCCUR WITHIN THIS AREA".
- ALL IRRIGATION NEEDS SHALL BE COORDINATED WITH CRYSTAL MILES, CITY OF LAWRENCE HORTICULTURE MANAGER.

PLANT SCHEDULE

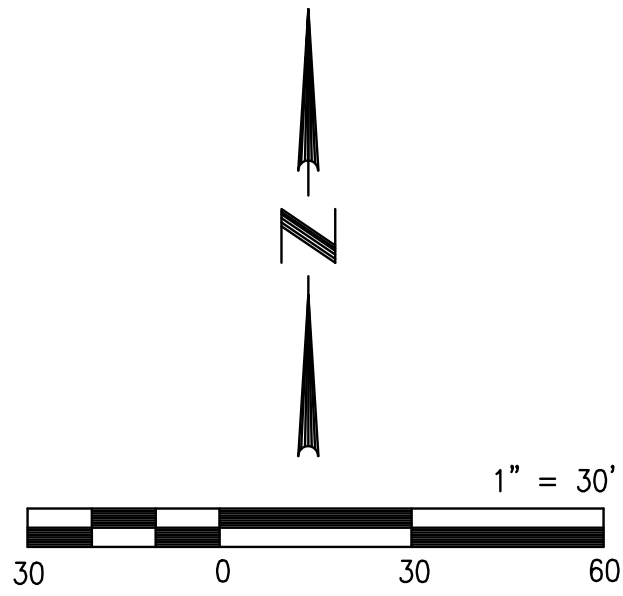
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	SIZE
ACE GIN	6	Acer ginnala 'Flame' / Flame Amur Maple	B & B	2.5"Cal
CAR BET	7	Carpinus betulus 'Fastigiata' / Pyramidal European Hornbeam	B & B	2.5"Cal
CER OKL	5	Cercis canadensis 'Oklahoma' / Oklahoma Redbud	B & B	2"Cal
COT GRA	2	Cotinus coggygria 'Grace' / Grace Smoke Tree	B & B	1.5"Cal
MAC WHI	11	Maclura pomifera 'White Shield' / White Shield Osage Orange	B & B	2.5"Cal
MAL PRA	5	Malus x 'Prairifire' / Prairifire Crab Apple	B & B	2"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 FAS	9	Quercus robur 'Fastigiata' / Pyramidal English Oak	B & B	2"Cal
QUE SHU	5	Quercus shumardi / Shumard Red Oak	B & B	2.5"Cal
TAX DIS	3	Taxodium distichum / Bald Cypress	B & B	2.5"Cal
ULM EM2	6	Ulmus propinqua 'Emerald Sunshine' / Elm	B & B	2.5"Cal
ZEL WIR	6	Zelkova serrata 'Wireless' / Wireless Zelkova	B & B	2.5"Cal

SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	SIZE	SIZE
BUX GR3	18	Buxus x 'Green Gem' / Green Gem Boxwood	1 gal	
CAR CLA	15	Caryopteris x clandonensis 'Blue Mist' / Blue Mist Shrub	3 gal	
CHA SC2	24	Chaenomeles speciosa 'Scarlet Storm' / Flowering Quince	3 gal	
JUN KET	17	Juniperus chinensis 'Keteleeri' / Keteleeri Chinese Juniper	Ht.	6' Ht. Min
JUN SEA	18	Juniperus x pfizeriana 'Sea Green' / Sea Green Juniper	5 gal	
PHY NIN	14	Physocarpus opulifolius 'Summer Wine' / Summer Wine Ninebark	3 gal	
SPI BET	21	Spiraea betulifolia / Birch Leaf Spirea	3 gal	
VIB ALL	10	Viburnum rhytidophyllum 'Alleghany' / Leatherleaf Viburnum	5 gal	

SHRUB AREAS	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING
HEM RAZ	58	Hemerocallis x 'Razzle Dazzle' / Razzle Dazzle Daylily	1 gal	18" o.c.
HOS LIB	17	Hosta x 'Liberty' / Plantain Lily	1 gal	30" o.c.
NEP RAC	346	Nepeta racemosa 'Walker's Low' / Catmint	1 gal	18" o.c.
MONARCH	2,657	Per City Direction / Monarch Garden	Per City	
ROS 270	40	Rosa x 'Meidrifora' / Coral Drift Roses	1 gal	24" o.c.

LANDSCAPE REQUIREMENTS

- Interior Parking Lot Landscaping for Phase 2 Building only: 137 Stalls x 40 s.f. = 5,480 s.f. Required. Provided: 5,570 s.f.
- Interior Landscaping for Phase 2 Building only (Trees and Shrubs): 1 Tree and 3 Shrubs per 10 Stalls Required = 14 Trees and 42 Shrubs Provided = 27 New Trees = 43 New Shrubs
- Street Trees: 1 Tree per 40 foot of Frontage along Kresge Road (451.5' Frontage) Required = 12 Provided = 12
- If grading activity damages the health of the street trees to an extent that the City Horticulture Manager determines they are unhealthy or unsafe, they will be replaced by the property owner.
- Monarch Garden may be planted with native grasses as Alternative Landscape area per direction of the owner.



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LANDSCAPE PLAN

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

C8.0

HERNLY ASSOCIATES
920 Massachusetts
Lawrence, MA 01840
781-749-5806
FAX 781-749-1515

SITE PLAN
FOR
LAWRENCE SOLID WASTE FACILITY
2201 KRESGE ROAD
LAWRENCE, KANSAS

BARTLETT & WEST
544 COLUMBIA DRIVE - LAWRENCE KS 66049
PHONE 785-749-7432 FAX 785-749-5661
WWW.BARTLETTWEST.COM

REV

DATE

DESCRIPTION

REVISIONS PER CITY COMMENTS

REVISIONS PER CITY COMMENTS

REVISIONS PER CITY COMMENTS

1

11.21.14

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12.11.14

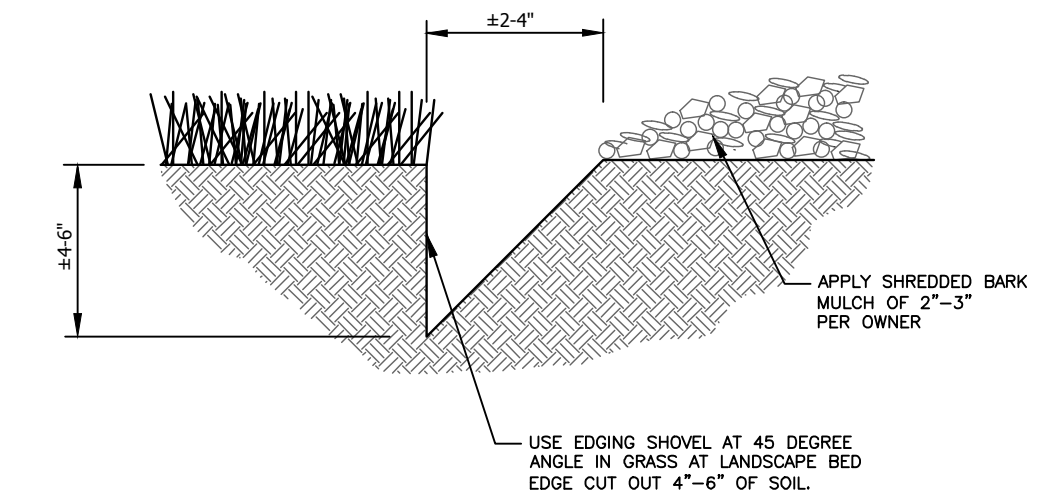
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12.22.14



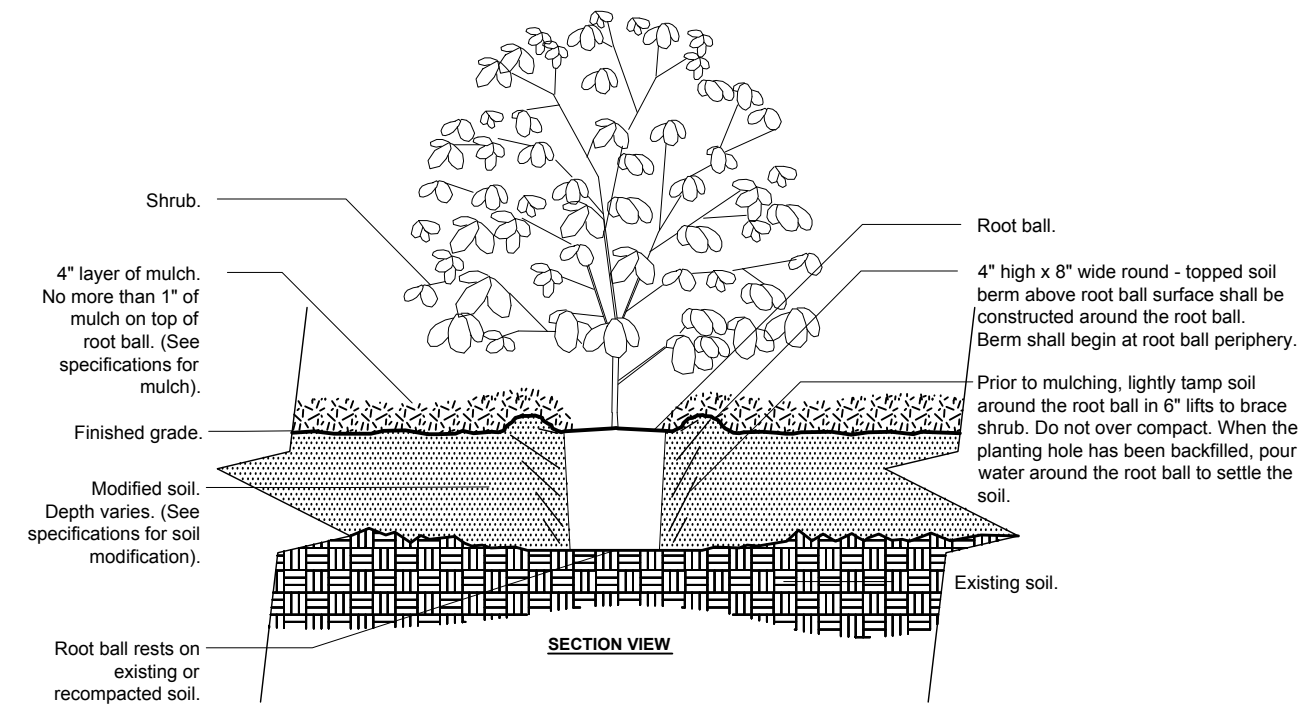
- SANITARY SEWER
4' CONCENTRIC CONC
RIM 861.53
FL IN N 15" PVC 855.50
FL OUT S 15" PVC 855.50

SANITARY SEWER
4' CONCENTRIC CONCRETE
RIM 859.73
FL IN N 15" PVC 849.58



V-CUT LANDSCAPE BED EDGE DETAIL FOR TREE RINGS

NTS



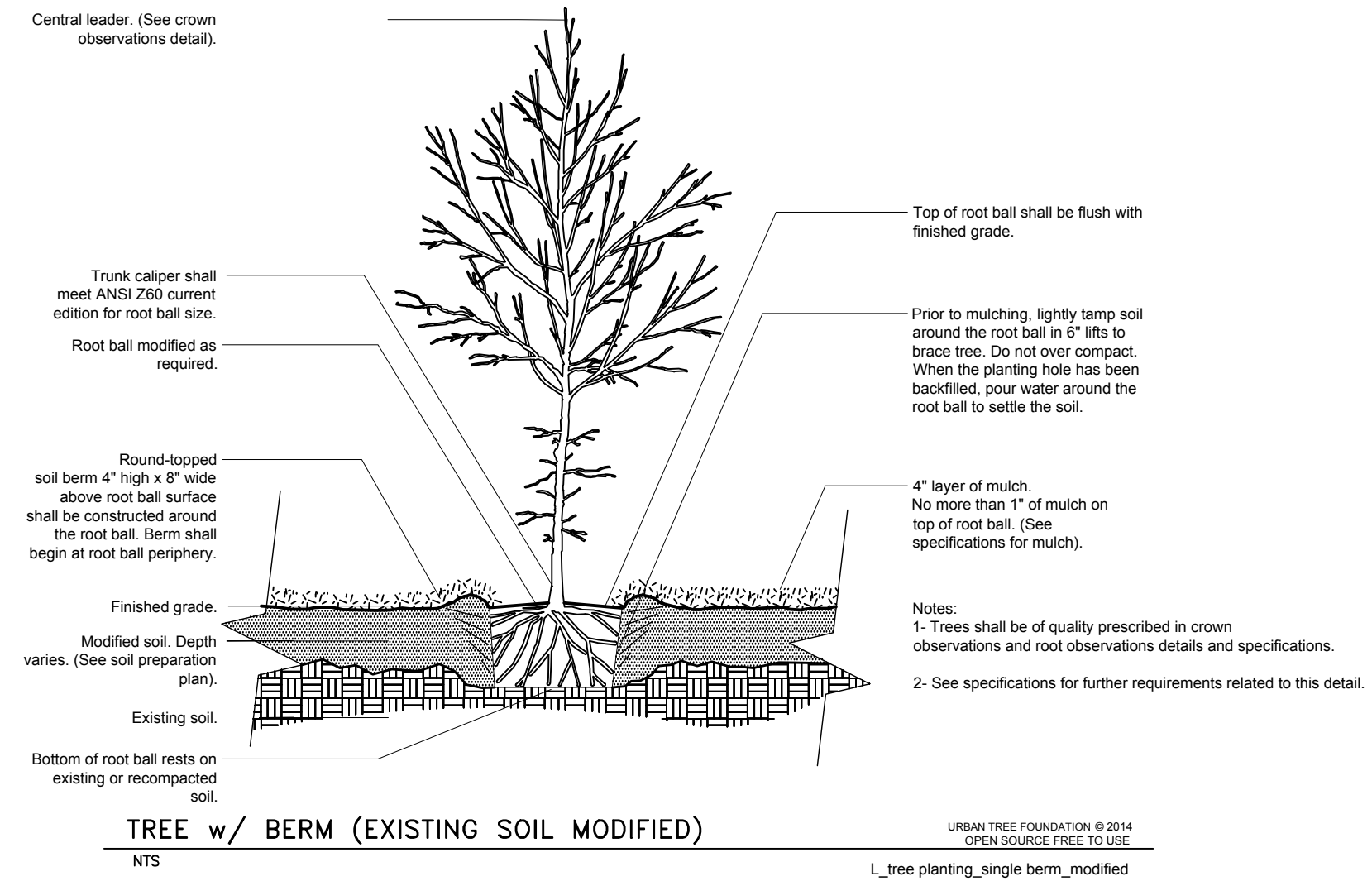
Notes:
1- Shrubs shall be of quality prescribed in the root observations detail and specifications.

SHRUB - MODIFIED SOIL

NTS

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pdet_shrub_modified soil



TREE w/ BERM (EXISTING SOIL MODIFIED)

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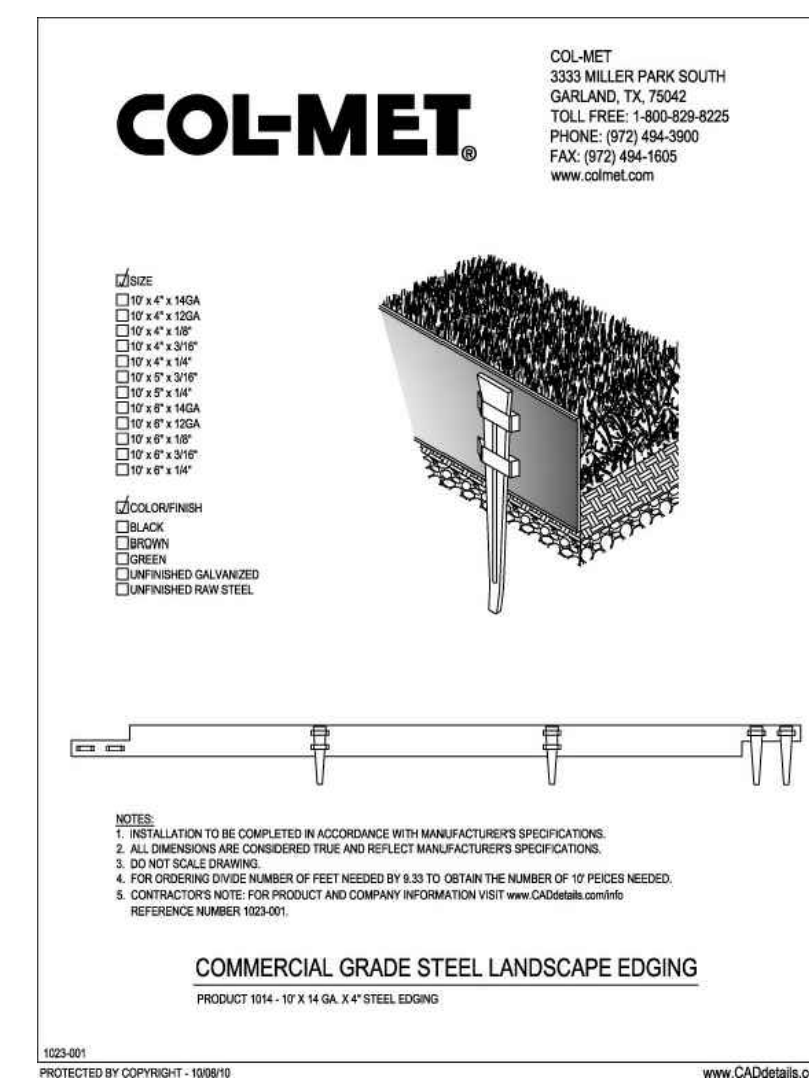
URBAN TREE FOUNDATION © 2014
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L_tree planting_single berm_modified

L_tree planting_single berm_modified

TALL GRASS PRAIRIE SEED MIX: 12 LBS/AC

FORBS: 2 LBS/AC	
Butterfly Milkweed	<i>Asclepias tuberosa</i>
Prairie Blazing Star	<i>Liatis pycnostachya</i>
Blackeyed Susan	<i>Rudbeckia hirta</i>
Prairie Coreopsis	<i>Coreopsis palmata</i>
Purple Coneflower	<i>Echinacea purpurea</i>
Smooth Penstemon	<i>Penstemon digitalis</i>
Purple Prairie Clover	<i>Petalostmum purpureum</i> 'Kaneb'
Pitcher Sage	<i>Salvia pitcheri</i> 'Nekan'
Upright Coneflower	<i>Ratibida columnifera</i>

**ALTERNATE BID QUANTITIES REPRESENTED. BASE BID TALL GRASS PRAIRIE MIX INCREASES.



1" = 30'

30 0 30 60

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LANDSCAPE PLAN

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BARTLETT & WEST
544 COLUMBIA DRIVE • LAWRENCE KS 66049
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2201 KRESGE ROAD
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