00:29:08	Laura Pederzar	ni:	Laura Pederzani- North Topeka West		
00:29:23	Michael Bell:	Mike B	ell, CAC at-large present.		
00:29:54	Michael Bell:	Can ba	rely hear Cheryl.		
00:29:56 Thanks	LATOYA BURNETT:		Please enter name and neighborhood in chat for attendance.		
00:31:06	ShaMecha Simms:		ShaMecha Simms Historic Old Town NIA		
00:39:28	Michael Bell:	Having	problems hearing members.		
00:41:57 your convenien	ShaMecha Simi	ms:	Hey LaToyacould we get a copy of what he's presenting at		
00:42:14 LATOYA BURNETT: Sorry Michael. I tested the speakers prior to the meeting and all of the mics are working and the volume is up as loud as we can comfortably manage it. I will do what I can, but it may be that some speakers voices project a little better than others.					
00:42:52 Michael Bell: OK. I know you all try. :-)					
00:43:17 and linked with	0:43:17 LATOYA BURNETT: Yes, ShaMecha. All handouts will be uploaded to the website nd linked with the recorded meeting.				
00:43:56	Michael Bell:	LaToya	, is the chat included in the recorded meetings?		
00:44:04	ShaMecha Simi	ms:	Preciate it! I apologize if that was a redundant request. 🖨		
00:45:22	LATOYA BURNETT:		Yes, the chat is usually saved with the recorded meetings.		
00:45:34	Michael Bell:	OK.			
01:04:24 LATOYA BURNETT: I have checked with City 4 staff and the wireless mic is missing. I will find out if they have plans to replace it.					
01:05:06	ShaMecha Simi	ms:			
01:25:34 question/conce	:25:34 Michael Bell: ShaMecha, would love to follow up with you on your uestion/concerns.				
01:25:58	ShaMecha Simi	ms:	I appreciate that Michael! I'll e-mail you!		
01:28:22	Michael Bell:	OK.			
01:38:27	Michael Bell:	So I do	n't get to ask my question?		
01:57:45 LATOYA BURNETT: While those in the room are working on work groups, does anyone have any questions about the work groups or anything else that you would like to discuss in the next 10 minutes with me?					
01:57:58 Michael Bell: Affordable Housing, Food Desert/Insecurity Work Group: Our					

discussions so far have been related to research and policy recommendations including programs,

guidelines/rules and regulations and funding, including finding ways that we all can be innovative with our approaches.

01:59:12

Michael Bell:

Is Jill Rice in attendance at the meeting?

01:59:24

LATOYA BURNETT:

Yes. She is.

02:00:39

LATOYA BURNETT:

Michael is there anything that you feel your group needs

assistance with? How are meetings going?

02:04:37

LATOYA BURNETT:

As the committees continue working, we will assist as needed

with connecting you with resources (City, County, local institutions, etc. if needed)

02:06:52

ShaMecha Simms:

Kinda of a personal question for my Zoom Crew...what is the

likelihood that you'll resume attending CAC meetings in person in the next 3-6 months?

02:07:35

LATOYA BURNETT:

1 minutes left for discussion

02:07:36

ShaMecha Simms:

I ask because I'm wondering if we may need a work around for

times like this.

It's much more convenient for me to Zoom on a Wednesday night.

02:08:27

Michael Bell:

I don't know. I'm on physical disability. The Zoom option makes it easier

for me to attend meetings.

02:09:02

ShaMecha Simms:

I'll give it some further thought. Zooming is just way more

convenient.

02:09:18

Michael Bell:

Lagree. :-)

02:12:26

ShaMecha Simms:

Wait! I have a comment about the meeting.

02:13:41

ShaMecha Simms:

Oh. Can someone please let the in-person attendees know that

maybe we could give Zoomers a chance to ask questions first. It seems like in-person attendees can take more time than Zoomers.

02:14:03

ShaMecha Simms:

I know that's not intentional. It's just human nature.

02:14:35

Michael Bell:

Agree. And remind those attending in person to speak up.

02:15:06

LATOYA BURNETT:

Michael - you are correct. There are close similarities to those

programs with some improvements per the recommendations

02:16:07

ShaMecha Simms:

Okay. Well thank you LaToya and Monique for your hard work.

Enjoy your evening!

02:16:18

LATOYA BURNETT:

We will provide much more detail at the workshop and you can

always contact me with questions. Good night everyone!

02:16:21

ShaMecha Simms:

Night everybody!



2022 Tentative KAB Calendar

January 11	KAB Monthly Meeting, 12: 00 – 1:00 p.m. – Perkins Restaurant & Bakery, 1720 SW Wanamaker Topic will be: New 2022 calendar				
February 5	Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. — noon. The HHW is also open M-Th 7 am — 5 pm and — Friday from 7 am — 3 pm				
February 8	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Topic will be: Bill Sutton, Recycling				
March 1-May 31	Great American Cleanup Campus Pride Winner's Circle				
March 1-April 30 March 5	Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. – noon. The HHW is also onen M-Th 7 am – 5 pm and — Friday from 7 am – 3 pm				
March 8	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker Topic will be: Traci Podlena, Ted Ensley Gardens				
April 2	Household Hazardous Waste Facility, 131 NE 46th 9 a.m. – noon. The HHW is also open M-Th 7 am – 5 pm and Friday from 7 am – 3 pm				
April 12	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker Topic will be: Ken Carlat, History of Tulips				
April 16	Free Yard Waste Disposal, 8:00am – 12:00 p.mGarick Yard Waste Facility, I-70 and Mac Vicar				
April 17	Easter				
April 20	Friends of Reinisch work day (volunteers needed)				
April 23	Get Down and Get Dirty-10 am - 12 pm (volunteers needed)				
April 27	Friends of Reinisch work day (volunteers needed)				
April 29	Arbor Day				
	Friends of Reinisch work day (volunteers needed)				
May 4	Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. – noon.				
May 7	The HHW is also open M-Th 7 am - 5 pm and Friday from 7 am - 3 pm				
May 7	World Naked Gardening Day at Ted Ensley Gardens 9 am - noon (volunteers needed-no we will not be naked				
May 10	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker				
may 10	Topic will be: Donna Coffland: growing roses				
May 11	Friends of Reinisch work day (volunteers needed)				
May 11	Friends of Reinisch work day (volunteers needed)				
May 18	Topeka Cemetery 9 a.m. to 12:00 p.m. lunch afterwards-mowing/cleaning stones (volunteers needed)				
May 21	Friends of Reinisch work day (volunteers needed)				
May 25 May 30	Memorial Day				
	Friends of Reinisch work day (volunteers needed)				
June 1 June 4	Waterfront Warriors 9-11 a.m. at Central Park (volunteers needed)				
	Household Hazardous Waste Facility, 131 NE 46th 9 a.m. – noon.				
June 4	The HHW is also open M-Th 7 am - 5 pm and Friday from 7 am - 3 pm				
T	THE HAW IS ALSO OPEN MATHE / ARE S pin and A standy Model / ARE S per Area (Mathy Model / ARE S per Area (Mathy Model / ARE S per Area (Mathy Model / AREA)				
June 8	Friends of Reinisch work day (volunteers needed)				
June 14	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Ward Meade, 124 NW Fillmore				
	Topic will be: Tour Ward Meade Gardens: National Confer Reference Garden, American Hosta				
	Society National Display Garden and American Daylily Society National Display Garden.				
June 15	Friends of Reinisch work day (volunteers needed)				
June 19	Father's Day				
June 22	Friends of Reinisch work day (volunteers needed)				
June 18	Free Landfill Day 7:00 A.M. – 12:00 p.m. Rolling Meadows Landfill-1 load per household				
June 25	The KAB X-Treme Team will cleanup extremely littered areas 9-11 a.m. (volunteers needed)				
June 29	Friends of Reinisch work day (volunteers needed)				
***	Friends of Reinisch work day (volunteers needed)				
July 6	Tentative date for Community Appearance Index				
July 9	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker				
July 12	Topic will be: Carol Bragdon, Herbs				
T 12	Friends of Reinisch work day (volunteers needed)				
July 13	Free yard waste disposal-Forestry Products Recycling-3431 SE 21-8 a.m 5 p.m.				
July 16	Friends of Reinisch work day (volunteers needed)				
July 20	Friends of Reinisch work day (volunteers needed)				
July 27 July 30	Friends of Reinisch work day (volunteers needed) The KAB X-Treme Team will cleanup extremely littered areas 9-11 a.m. (volunteers needed)				
100 10 1 10 10 10 10 10 10 10 10 10 10 10 10 10					
August 3	Friends of Reinisch work day (volunteers needed)				
August 3	Household Hazardous Waste Facility, 131 NE 46th 9 a.m. – noon.				
	Friends of Reinisch work day (volunteers needed) Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. — noon. The HHW is also open M-Th 7 am — 5 pm and — Friday from 7 am — 3 pm KAB Monthly Meeting, 12: 00 — 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker				

August 10 August 17 August 24 August 27 August 31	Topic will be: Planning 2023—Start, Stop, Keep Friends of Reinisch work day (volunteers needed) Friends of Reinisch work day (volunteers needed) Friends of Reinisch work day (volunteers needed) The KAB X-Treme Team will cleanup extremely littered areas 9-11 a.m. (volunteers needed) Friends of Reinisch work day (volunteers needed)		
September 3	Household Hazardous Waste Facility, 131 NE 46^{th} 9 a.m. – noon. The HHW is also open M-Th 7 am – 5 pm and $$ Friday from 7 am – 3 pm		
September 5	Labor Day		
September 7	Friends of Reinisch work day (volunteers needed)		
September 13	KAB Monthly Meeting, 12: 00 - 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker Topic will be: Randy Sandingwater, Urban Rez		
g , , , , , , , ,	Friends of Reinisch work day (volunteers needed)		
September 14	Friends of Reinisch work day (volunteers needed)		
September 21	The KAB X-Treme Team will cleanup extremely littered areas 9-11 a.m. (volunteers needed)		
September 24	The KAB X-1 reme team will cleanup extremely interest areas 3-17 miles (10 miles)		
September 28	Friends of Reinisch work day (volunteers needed)		
October 1	Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. – noon. The HHW is also open M-Th 7 am – 5 pm and Friday from 7 am – 3 pm		
October 11	KAB Monthly Meeting, 12: 00 – 1:00 p.m. Perkins Restaurant & Bakery, 1720 SW Wanamaker Topic will be: Elections for 2023. Cheryl Wright Kunard, ID Fraud and Other Consumer Issues		
October 29	Zombie Litter Blast-costumed litter cleanup on Wanamaker-11 a.m 1 p.m. (volunteers needed)		
November 5	Household Hazardous Waste Facility, 131 NE 46th 9 a.m noon.		
	The HHW is also open M-Th 7 am -5 pm and Friday from 7 am -3 pm		
November 8	Annual Volunteer Appreciation Luncheon—12:00 – 1:00 p.m. Crestview Shelter House, 4901 SW Shunga Dr. Topic will be: Luncheon and awards		
November 15	America Recycles Day		
December 3	Household Hazardous Waste Facility, 131 NE 46 th 9 a.m. – noon. The HHW is also open M-Th-7 am – 5 pm and — Friday from 7 am – 3 pm		
December 13	The second of th		

If you desire any further information on the events listed above, please contact Keep America Beautiful-Topeka/Shawnee County at 785-224-0446—or-email: kab@kabtopsh.org Check out our new website at www.kabtopsh.org



In Frecutive Partnership with Shawnee County

KEEP AMERICA BEAUTIFULTOPEKA/SHAWNEE COUNTY and GARICK YARD WASTE FACILITY

are excited to announce a

free yard waste day

on Saturday, April 16, 2022

8:00 a.m. to Noon

Garick Yard Waste Facility

I-70 and MacVicar

Topeka, KS

REEP AMERICA BEAUTIFULTOPEKA/SHAWNEE COUNTY and ROLLING MEADOWS LANDFILL

are excited to announce a

free landfill day

(one load per household)

on Saturday, June 18, 2022

7:00 a.m. to Noon

Rolling Meadows Landfill

7351 NW Highway 75

Topeka, KS 66618



With Keep America Beautiful - Topeka/Shawnee County

HUNDREDS WILL COMEN

Friends, schools, clubs, civic groups, corporations, citizens of Topeka and Shawnee County . . .

DON'T MISS THE OPPORTUNITY

the opportunity to be a part of the this community Earth Day cleanup.

Join us Saturday, April 23, 2022 from 10 a.m. - noon.

Free lunch, free t-shirts* and prizes, prizes, prizes provided to volunteers at Noon. For more information: kab@kabtopsh.org – or - call 785.224.0446

ال ال FritoLay TARGET Strathman CoreFirst Good fun! Sales Bank & Trust TREECARE Edward **Jones** BIMBO Community CRC Resources Bakeries USA Council Davita BRB Walmart :: MARS WRIGLEY United Healthcare **EDW**BY Community Plan DOOR Yesterday's Favorites In Executive Partnership with Shawnee County

Keep America Beautiful-Topeka/Shawnee County Volunteer Release

As a volunteer to help <i>Keep America Beautiful-Topeka/Shawnee County</i> and all its partners and volunteers (KAB), and <i>Shawnee County</i> , to help improve and beautify in Topeka and Shawnee County to wit:						
Signature of Volunteer	Print Name					
Date Signed	Witness					
Volunteers under 18 years of age must have Parent or Guardian Consent						
Parent/Guardian Signature	Print Name					

We Take Pride In Our Community!



In Executive Partnership with Chawnee County



Shawnee County Parks + Recreation Strategic Plan 2022 - 2026

Shawnee County Parks + Recreation is a combined city and county park system that was developed to service the needs of the City of Topeka and Shawnee County residents in 2012. A Department-wide Master Plan was adopted in 2014. The guiding principles and objectives that developed this Master Plan include:

- Sustainably grow the best practices and quality services of the Department.
- Serve the relevant park and recreational needs of the City of Topeka and Shawnee County residents who help support the Shawnee County Parks + Recreation Department in meeting those needs.
- Further position the county as a regional and statewide destination, while protecting the accessibility of city and county facilities for residents.
- Support the county to qualify for enhanced partnerships and funding opportunities in both the public and private sectors.
- Leave a positive legacy for current and future generations of Shawnee County.

In 2018, Shawnee County Parks + Recreation earned accreditation by the Council on Accreditation of Park and Recreation Agencies, a distinction held by fewer than 2 percent of park and recreation agencies nationally. CAPRA accreditation is a valuable measure of an agency's overall operation, management, and service to the community. It demonstrates that an agency complies with national standards of excellence and is delivering the best services to the community.

The following broad-based strategic planning tool should be used in conjunction with the Master Plan to help guide the future of Shawnee County parks, facilities, and recreation programs and provide direction to the Department for redevelopment, growth and enhancement of its park and open-space system over the next five years.

Vision

To provide an innovative parks and recreation system that consistently exceeds community expectations.

Mission Statement

Inspire active and healthy lifestyles through a diverse system of parks, facilities, programs and people.

Core Values

Take Initiative

Be proactive, motivate each other and adapt to changing situations.

Be Passionate

Care about your work and take pride in what you do.

Have Fun

Create a positive workspace and build strong relationships.

Value Teamwork

Approach problems with a "we over me" mentality.

Foster Growth

Learn and evolve personally, professionally, as a team and as an organization.

Act with Integrity

Be honest, transparent and committed to doing what is best for our community and our department.

Goal One - Parks, Greenspace and Natural Areas

Parklands should serve as a source of civic pride that supports a healthy and active lifestyle for people of all ages. The goal of SCP + R is to maintain a diverse and balanced park and open space system, including trails, natural areas, and neighborhood, community and regional parks, to benefit all residents of Shawnee County.

Strategies

- 1. In existing parks, upgrade aging amenities, add new improvements, and provide quality maintenance based on community expectations, departmental maintenance standards, national standards, budget parameters, and available park capital improvement funding.
- 2. Where possible, connect trail systems to community and regional parks to support a network of trails throughout the county. Continue to work toward the established goal of 150 miles of trails throughout Topeka and Shawnee County.
- 3. Draw on community input and national best practices to create master plans for Gage and Family Parks. Both parks are considered regional parks and have a significant impact on the quality of life for Shawnee County residents.
- 4. Evaluate existing park inventory to determine each parcel's impact on the surrounding neighborhood and the community as a whole.
- 5. Protect and expand natural areas through acquisition, restoration, and/or conservation.
- 6. Develop and implement a preventative maintenance program and procedures to prolong the life of facilities, equipment, and other assets.

Goal Two - Indoor and Outdoor Recreation Facilities

Provide accessible indoor and outdoor recreation spaces for people of all income levels, ethnicity, gender, ability, or age. Update existing facilities and, where possible, add new facilities in underserved areas of the county to create a balance of recreational opportunities for all residents.

Strategies

1. Continue to improve existing recreation centers to address community needs in the areas of health and wellness, youth services, arts, adaptive recreation, after-school programs, and youth sports opportunities.

- 2. Update the amenities of Lake Shawnee campground to offer a higher quality experience.
- 3. Develop an ADA Transition Plan for all SCP+R facilities to ensure access for everyone.

Goal Three - Programs and Services

Develop and maintain a variety of quality programs and services for all ages, abilities, and interests. Continue to offer existing programs while working to increase offerings in programs areas such as adaptive recreation, senior programs, and health and wellness.

Strategies

- 1. Ensure that all existing and new programs are responsive to changing demographics and support accreditation standards.
- 2. Work to improve the process of evaluating programs, facilities, and services for operational efficiency and effectiveness.
- 3. Update a marketing strategy to increase resident awareness of departmental programs and services and overall appreciation for the value of Parks + Recreation services.
- 4. Create partnerships and collaborations with other agencies, organizations, or individuals using processes that are transparent and easy to follow.
- 5. Determine existing cost recovery levels by determining the direct and indirect cost of providing services to the community.

Goal Four – Staff Training and Development

Hire, train and develop a dynamic, professional staff that exemplify our core values: service, integrity, vision and teamwork.

Strategies

- 1. Create an environment that encourages staff to share innovative ideas and recognize each other's contributions
- 2. Establish internal customer service standards and establish methods to monitor and track customer satisfaction.

- 3. Develop updated performance measures to help the Department move from an effort-based culture to an outcome-based culture.
- 4. Access staffing levels based on current and future workload, national standards and community expectations.
- 5. Reinforce the Department's commitment to public safety at parks and facilities through Park Police visibility and public interaction.

Goal Five – Fiscal Responsibly

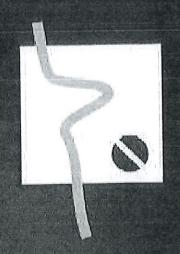
Seek a balance between tax and earned-income support that meets the expectations of the community, department, and county leadership. Employ best practices aimed at keeping the Department financially sustainable. Seek adequate funding to meet the community's expectations for providing parks, recreation facilities, and program services that make the county a desirable place to live, work, and visit.

Strategies

- 1. Work within the annually adopted budget and comply with recognized policies and procedures.
- 2. Establish principles and processes to ensure the budget is fully utilized throughout the fiscal year in a planned, thorough and thoughtful manner.
- 3. Utilizing input from Shawnee County Residents and the Shawnee County Board of County Commissioners create an acceptable amount of tax-dollar support to maintain a city/county system of parks, recreation facilities, and programs.
- 4. Follow the adopted pricing plan and policy designed to help offset operational and capital costs.

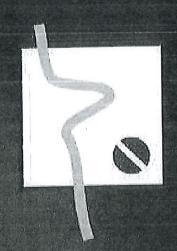
Building Pathology and Rehabilitation

Aníbal Costa João Miranda Guedes Humberto Varum *Editors*



Structural Rehabilitation of Old Buildings

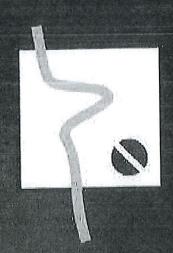




J. M. P. Q. Delgado Editor

Drying and Wetting of Building Materials and Components





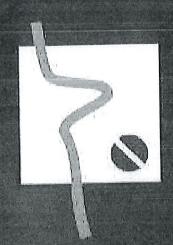
João M.P.Q. Delgado Editor

Recent Developments in Building Diagnosis Techniques



Building Pathology and Rehabilitation

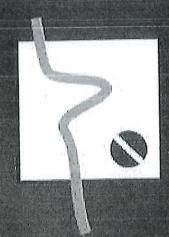
Aníbal Costa António Arêde Humberto Varum *Editors*



Strengthening and Retrofitting of Existing Structures



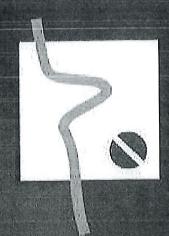
Building Pathology and Rehabilitation



João M. P. Q. Delgado Editor

Building Pathology, Durability and Service Life





João M. P. Q. Delgado Editor

Efficient and Suitable Construction



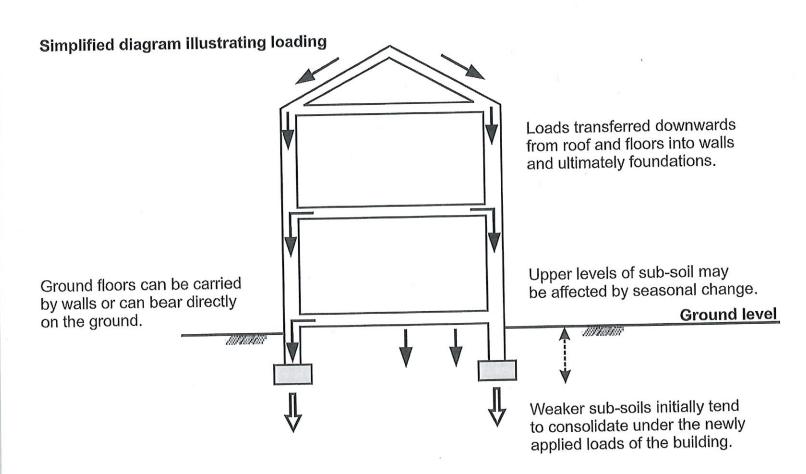
of HOUSES with WATER DAMAGE

Michael Hemmingson



All buildings move. In the majority of cases this will be for quite acceptable reasons and the amount of movement will not adversely affect the building's performance.

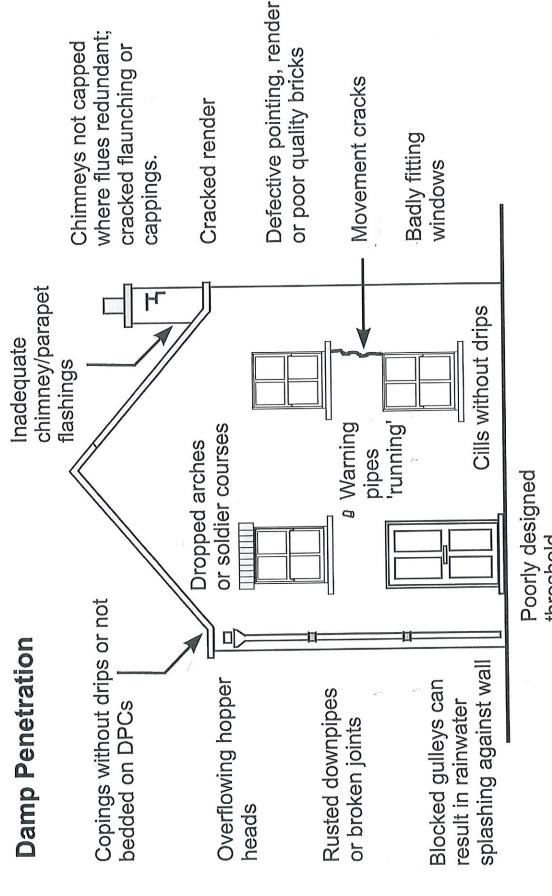
Initially, when a building is constructed, movement downwards will be caused by the new loads imposed on the sub-soil beneath. Unless that sub-soil is particularly dense and strong (eg a rock such as granite), a newly constructed building will suffer from initial settlement as the sub-soil beneath is consolidated. Normally, the downward movement of the sub-soil and any resultant cracking of the building are both of a minor nature. With non-cohesive granular sub-soils, such as sand, this initial settlement occurs quickly and has often ceased by the time the construction has been completed. However, in cohesive clay sub-soils, settlement may occur over quite a long period, perhaps lasting 20 years or more from construction until the sub-soil is fully consolidated.



Buildings are also subject to seasonal movement and this will continue throughout the building's life. This is a result of certain sub-soils, in particular clay, being affected by climatic changes as summer changes to winter and back again. Expansion of these sub-soils occurs in winter as water content increases and, conversely, contraction occurs as they dry out in summer.

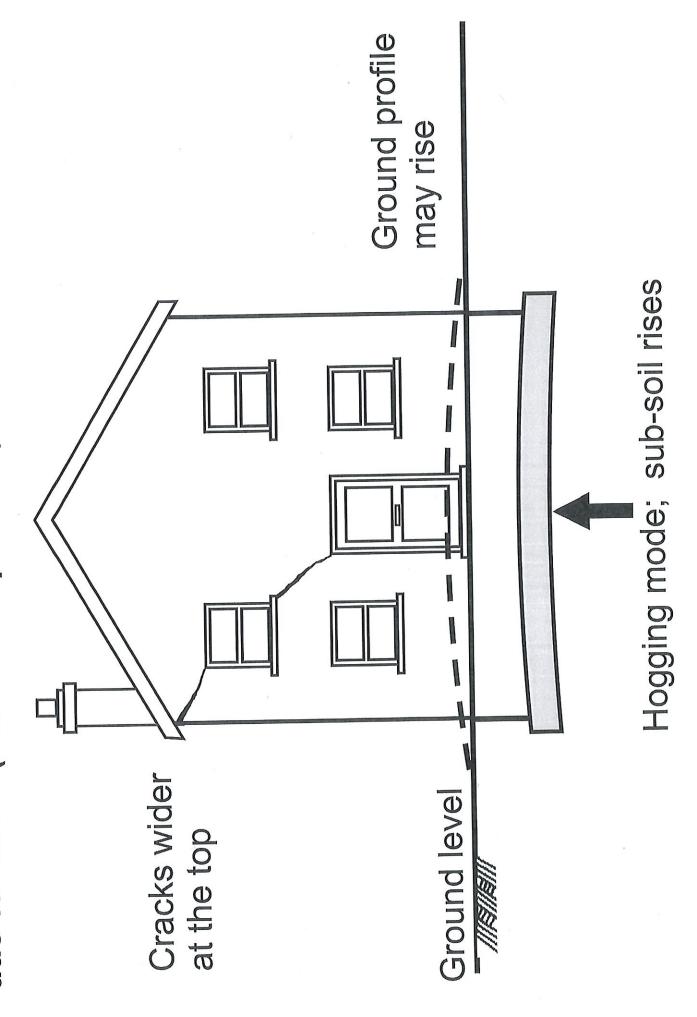
General defects

The diagram below shows some of the common routes for damp penetration in houses with solid and, in some cases, cavity walls.



threshold

due to heave (sub-soil expansion) Hogging or rising of a foundation



Corner of building subject to settlement Plan problems as builders take the Corners of buildings are often subject to the effects of drain Drainage problems

shortest route to save time and

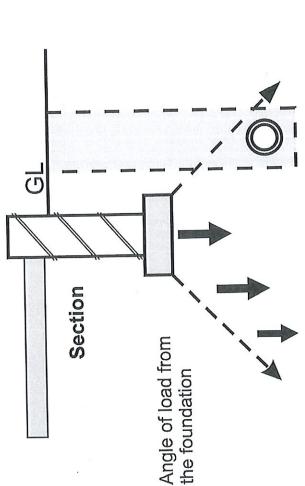
Softer/less compact soil in backfilled trench can cause instability.

Drain breaks under building pressure.

Displacement/crushing of drain alone may be sufficient to cause subsidence.

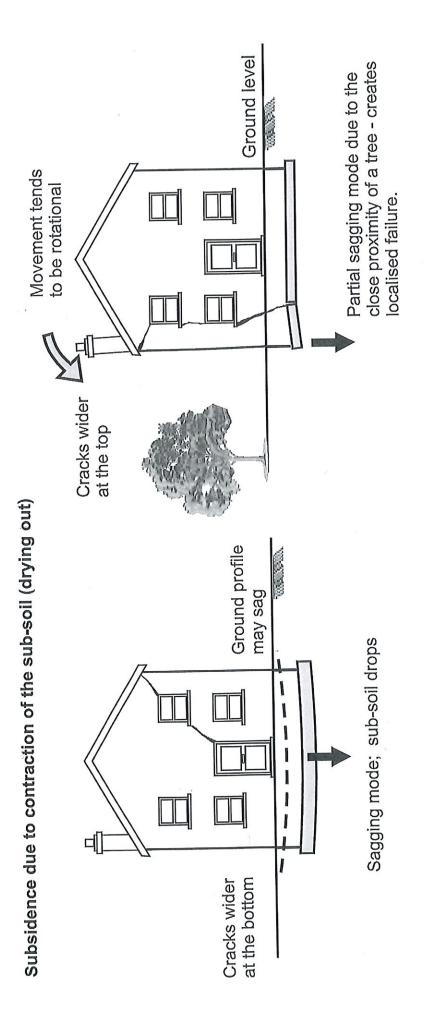
Drain breaks and/or leaks. Water adversely affects sub-soil and causes subsidence.

Inspection chamber



building settlement. The leaking drain results in increased root growth of nearby trees and this can lead to more extensive drain problems and soil, especially if of a sandy nature, being washed away conditions. Tree roots may also exploit the situation where a drain has already been damaged by break into drain runs at weeping or defective joints to obtain moisture, especially in dry climatic creating increased building movement.

by the presence of trees and shrubs that take up moisture through their roots. The resultant contraction In summer, shrinkable clay sub-soils will normally tend to contract due to reduction of their water content. This reduction of the soil moisture content is known as 'desiccation'. It can be made worse of the sub-soil can lead to 'subsidence' – the building above will sag/move downwards. In such circumstances cracking will tend to be wider at the bottom rather than the top. However, the presence and effect of trees may confuse the damage pattern.



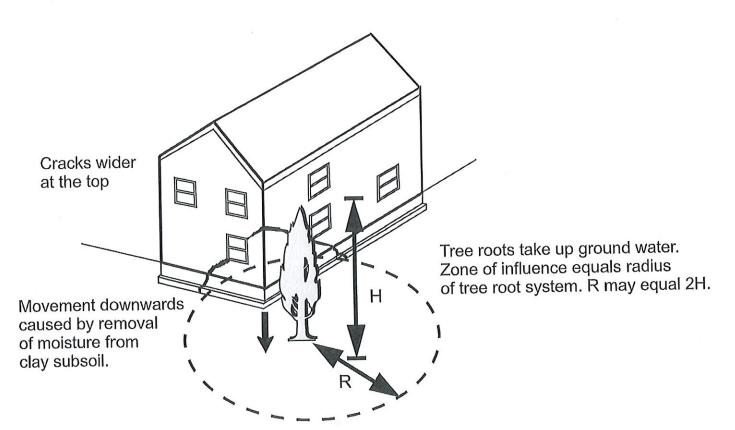
(as described previously) in which the cracks tend to be wider at the top and narrower at the bottom. the building above will rise upwards (known as 'hogging'). The effect is rather similar to frost heave Conversely, in winter and in periods of excessive rainfall, shrinkable clays will tend to expand as water content increases. The increase in volume of the clay leads to an effect known as 'heave' –

TREES AND SHRUBS - PROXIMITY TO BUILDINGS

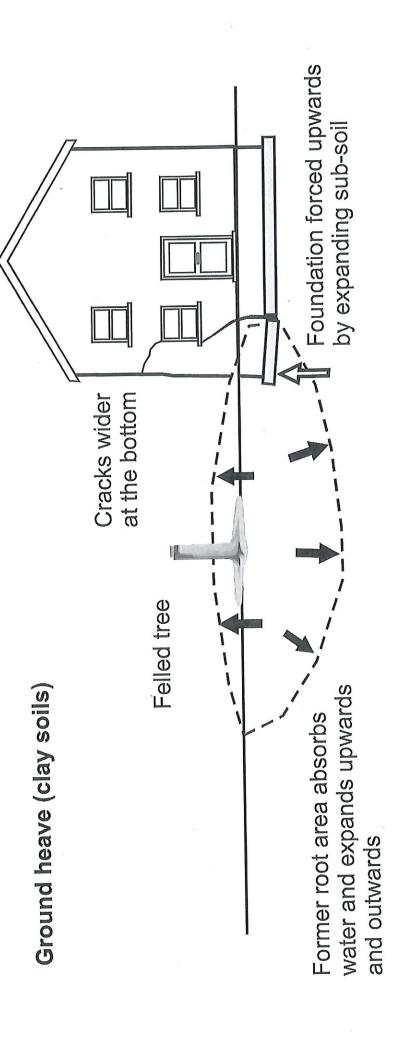
Movement due to the close proximity of trees to a building is a common problem. This is due to the effect of the tree on the water content of any sub-soil that it is growing in. Trees require water to surviv and grow. Much of this is taken up through the root system. A mature poplar can take up to 50,000 litres of water from the sub-soil each year. Other trees including oak can have a similar effect and the more mature a tree the greater the amount of water it requires.

The root radius of a tree is often equal to or greater than its height above ground level. In some cases, eg willow, poplar, elm, the radius can be up to twice the height. Also, the older the tree the greater the radius and the greater its effect upon the sub-soil.

Sub-soils containing trees are affected to a varying degree by the type, age and size of the trees and, in some cases, by the number of trees growing. Gravels, firm clays and, to some extent, sandy sub-soils will be less affected than shrinkable clays and other water sensitive sub-soils. The effect of any tree growing in one of the latter types of sub-soil will be to reduce the volume of the sub-soil as it takes up ground water. This will be on top of any drying out due to seasonal change (see previous sub-section). This leads to contraction of the clay and the downward movement of any foundation



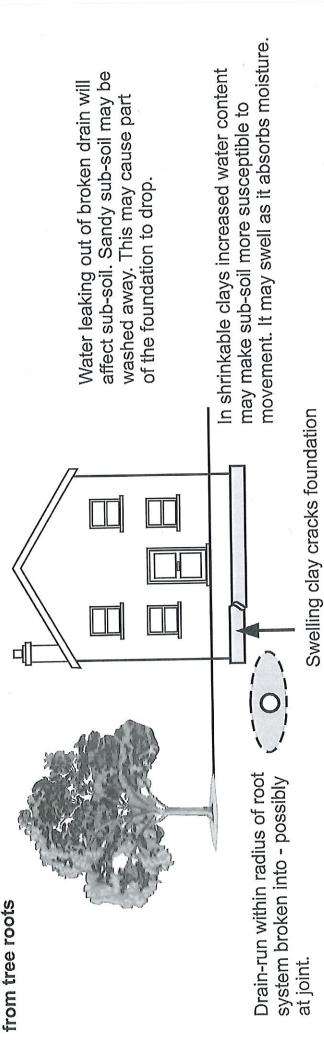
The effect upon any building within the radius of the former root system is an upward movement of the foundation or footing. Cracking in walls above will tend to be wider at the bottom than the top. The movement may affect part or all of a building and may continue over several years.



Shrubs, hedges, etc.

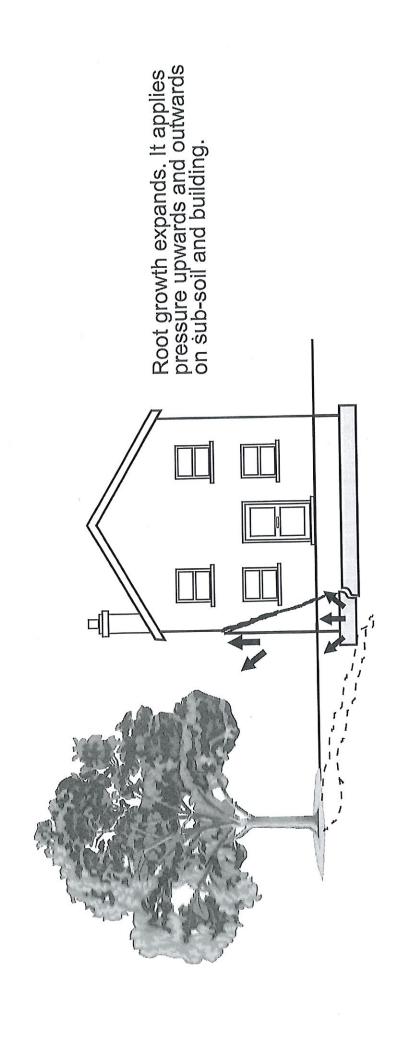
same effect as trees – sub-soil shrinkage and building movement. Conversely, the removal of plants, The close proximity of shrubs to a building, especially if mature or in large numbers, can have the particularly dense hedges and mature species, can lead to ground-heave problems.

Greenfield developments on shrinkable sub-soils can be adversely affected by ground heave because they often involve the removal of hedgerows as well as associated ditches.



Flooded sub-soil caused by physical damage

tree grows the radius of the root system increases and the individual roots grow in size. This, in time, Further problems can be caused by tree roots due to their physical presence and strength. As the foundations and walls in the vicinity of the root and even growth through underground walls of can lead to the displacement of the surrounding sub-soil, upwards and outwards pressure on softer/weaker materials.



expanding horizons in quantifying the costs of a building. Instead of sticking to the construction phase, a building's life cycle begins with design and ends with either restoration or demolition. This time span encompasses operation, maintenance, Life cycle cost assessment {general methodology - ISO 15686-5: 2008} involves repair or replacement of elements, and cleaning costs.

- a) Operational costs refer to the supply of electricity, water (drinking water and purification), and liquefied gases.
- buildings before rehabilitation is needed, and once that point has been reached, b) Maintenance includes a large number of periodic tasks such as predictive, preventive and corrective, which are the basis for extending the service life of decrease requisite restoration/demolition investment.

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Economics

- Time Value of Money
- Cost of Capital
- Subcontracting • Labor and Overhead

Competencies Needed Economic Analysis Costs Perspective from a Life Cycle for Engineering

Cost Management

- Budget
- Total Ownership Cost
- Earned Value
- Life Cycle Perspective

Engineering Depth Technical Acumen

- Technical Discipline Depth
- Domain Applications
- Methods, Processes, Tools SoS and LCC Perspective
- Interdisciplinary

Systems Perspective

Technical Planning

• Risk

Production and

Operation

Quantitative Ability

- Data Analysis
- Knowledge Capture
- · Quantitative Methods

Compliance

- Import/Export
- Standard
- · Laws/Legislation
- Internal Processes
- · GAAP

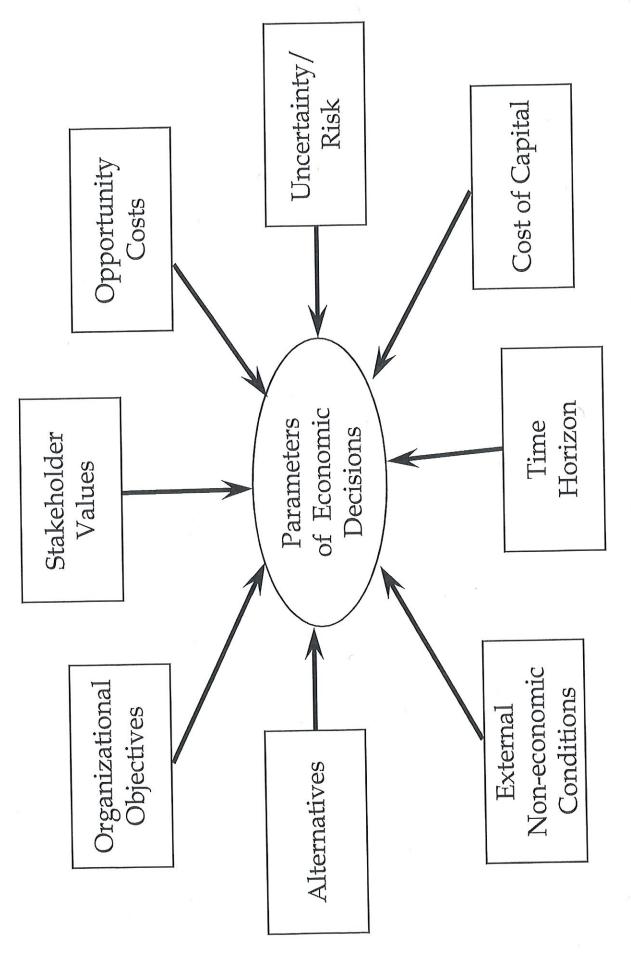
External Relationships

- Organizational Behavior Management • Expectations
 - Customer/Vendor Relationships

Accounting

- Proposal Analysis
- Income/Expenses Tracking

Figure 1.2 Competency model for costing

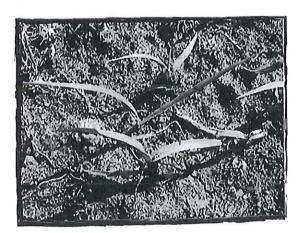


Parameters of economic decisions



Controlling Grassy Sandburs

"How do I kill my stickers?" is one of the most popular questions asked by homeowners. Once the plants are correctly identified then we can work on ways to control them. Many times it is the grassy sandbur (Cenchrus sp.) that is the culprit of many of these questions. Sandburs have small, needle-like seeds with hooks or barbs that allow them to stick to shoestrings, clothing and pet hair. Always determine the type of weed you are trying to control, so that proper herbicides can be applied and corrective measures can be taken to ensure that the problem does not reoccur. Grassy sandburs are classified as an annual grassy weed and can be somewhat difficult to control in these situations.



Late in the season (late summer, early fall) homeowners do not have many choices for control as the plants are already mature. Mature plants are difficult to control with products that will not hurt or damage the lawn. Glyphosate (Roundup, Killzall, and others) work well for sandbur control, but kill whatever it comes in contact with.

The best control for any weed is a good, thick lawn. Overseeding a thin lawn this fall can prevent grassy sandbur next year as it must come from seed. If overseeding, use a glyphosate product to kill the grassy sandbur. Wait two weeks after spraying to allow the grassy sandbur to die before overseeding.

If the lawn is still thin next spring, use a preemergent herbicide before the sandbur comes up. However, not all preemergent herbicides are effective. The three products that can help minimize grassy sandbur are oryzalin, pendimethalin and prodiamine. A sandbur behaves similar to crabgrass and can be treated the same way.

On lawns planted with tall fescue and warmseason grasses (Bermuda grass, buffalo grass and zoysia), use oryzalin (sold under the trade names of Surflan and Weed Impede). Apply around April 15th when redbud trees approach full bloom.



JOHNSONGRASS CONTROL

MECHANICAL:

Mow every two weeks during the growing season, deep cultivation exposing roots and crop rotation.

HERBICIDES:

2 - 8 oz Oust per acre

1-3 qts Glyphosate per acre

2 1/2 - 6 pts MSMA per acre

8 – 12 oz Plateau per acre

32 oz Journey per acre

8 oz Assure under 10 inches/10 - 12 oz over 10 inches

3/4 - 2 oz Outrider per acre



Accent .67 oz per acre

Eradicane 4-7 ½ pt per acre

.76 oz Beacon per acre

3/4 - 1 pt Trifluralin per acre

SOYBEANS:

6-12 oz Fusilade per acre

18 oz Assure per acre maximum // 5-12 oz Assure II per acre

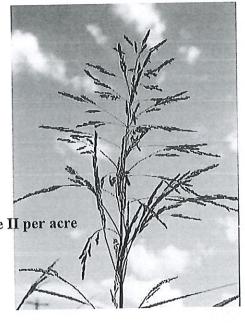
4-16 oz Select per acre

2 ½ pts Poast per acre maximum

Glyphosate if Round Up Ready beans

1-2 pts Trifluralin per acre incorporated





^{*}Rates may vary by region. Always read and follow label directions. Consult your local weed director for additional information.

FIELD BINDWEED CONTROL

NON-CROPLAND/ESTABLISHED GRASSES:

2-4 pts Picloram per acre

1 pt Picloram + 1 qt 2,4-D per acre

1 pt Dicamba + 1 qt 2,4-D per acre

1 gal Glyphosate per acre spot treatment

4-5 qts Glyophosate per acre

1 pt Arsenal per acre

1.5 - 6 gal Krenite per 100 gal water

8-12 oz Plateau per acre



CORN:

½ - 1pt Dicamba per acre

1/2 - 11b 2,4-D per acre

MILO:

½ pt Dicamba per acre

1/2 - 1 pt 2,4-D per acre

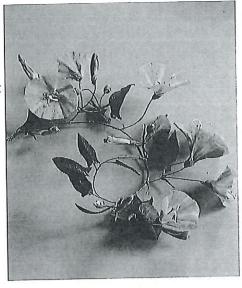
WHEAT (POST HARVEST):

½ pt Dicamba + 1 qt 2,4-D per acre

1 pt Picloram+ 1 qt 2,4-D per acre

1 - 2 qt 2,4-D per acre

1 gal Glyophosate per acre





SERICEA LESPEDEZA CONTROL

(Control means preventing the production of viable seed.)

MECHANICAL:

Mowing in the late bud stage for 2-3 consecutive years from mid-July to late summer should reduce the vigor of the stand.

Burning at the proper time (late spring) followed by intensive early stocking (double stock until July 15th and then remove the cattle) may reduce the occurrence.

Grazing infested areas with sheep and goats will provide effective control of sericea lespedeza.

Tame pastures - Proper fertilization and grazing during April and May may reduce the occurrence. Late grazing or no grazing will increase sericea lespedeza.



HERBICIDES:

Spring & Summer Treatments

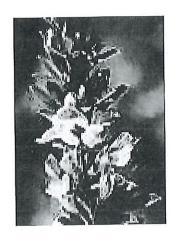
1 -2 pts Remedy per acre

2 pts Garlon per acre

32 oz PastureGard per acre

Early Bud & Fall Treatments

1-1 1/2 oz Escort per acre



BIOLOGICAL:

There are no biological controls approved for sericea lespedeza at this time.

^{*}Rates may vary by region. Always read and follow label directions. Contact your local county weed director for additional information.

MUSK THISTLE CONTROL

MECHANICAL:

Mowing prior to bloom stage - remove heads and dig roots two inches below ground

HERBICIDES:

Spring Applied (Rosette):

1/2 - 3/4 pt Picloram + 1 qt 2,4-D per acre

1 pt Dicamba + 1 qt 2,4-D per acre

1/3 - 1 oz Escort per acre

1 qt 2,4-D per acre

4 to 7 oz Milestone per acre

Bloom Stage:

1/2 - 1 pt Picloram + 1 qt 2,4-D per acre

1 oz Escort per acre

1 qt 2,4-D per acre

4-7 oz Milestone per acre

8 - 12 oz Plateau per acre

Fall Applied (prior to soil freezing):

1/2 - 3/4 pt Picloram per acre

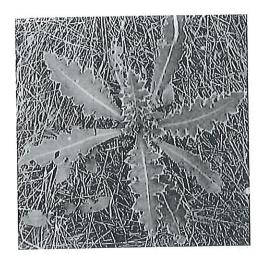
1/3 - 1 oz Escort per acre

1 pt Dicamba per acre

4-7 oz Milestone per acre

BIOLOGICAL:

Head Weevil & Rosette Weevil









It was a pleasure talking with you today.

KACPZO was founded in 1989 by a small group of planning professionals interested in promoting the educating, training and networking of individuals involved in county planning and zoning within the State of Kansas. The purposes of the organization are:

- To help encourage the process of county planning and zoning throughout Kansas;

- To help strengthen the relationship between county planners, zoning administrators

and other county officials;

 To provide a forum and communications through which members may exchange ideas and experiences related to county planning and zoning, through meetings, publications and correspondence;

- To provide a method of voicing common problems;

- To provide a means of addressing enabling legislation for County Planning and Zoning.

KACPZO typically holds two conferences a year with one in the spring and one in the fall. A wide range of topics are discussed, including planning fundamentals, writing or interpreting zoning and subdivision regulations, planning law, controversial developmental requests, legislative updates, etc. Conferences customarily include informative, professional speakers, field trips and tremendous networking opportunities.

Thank you for stopping by today.

We hope to have made a connection and have open communication in the future.

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