

# OPPORTUNITIES AND CONSTRAINTS

## KEY QUESTIONS

For the Plan It Calgary Greenfield Case Study Charrette we will use the North Stoney Lands to represent typical greenfield conditions within Calgary. We expect other similar sites within Calgary will have similar physical Greenfield constraints for accommodating urban growth in a manner that achieves the 11 Sustainability Principles approved by Council in 2007. The outputs of this workshop will inform the Greenfield - North Stoney Lands Case Study Charrette - a theoretical study that will generate widely applicable sustainable greenfield design strategies. Eight issue areas or themes frame the discussion.

### green network

Which areas within the North Stoney Lands offer the greatest opportunities to preserve open space, agricultural land, environmental beauty and critical environmental areas; foster attractive, walkable, compact, mixed-use communities with a strong sense of place; and, utilise green infrastructure and buildings? Which areas face the greatest constraints?

### water

Which areas within the North Stoney Lands offer the greatest opportunities to preserve critical environmental areas (e.g. wetlands, creeks) and utilise green infrastructure and buildings to protect watersheds, reduce stormwater runoff, improve water quality, and reduce flood-related risk? Which areas face the greatest constraints?

### movement network

Which areas within the North Stoney Lands offer the greatest opportunities to provide a variety of transportation options; connect people, goods and services locally, regionally and globally; create walkable environments; and, provide safe, affordable, efficient, and accessible transportation for all citizens? Which areas face the greatest constraints?

### built form

Which areas within the North Stoney Lands offer the greatest opportunities to provide a range of housing choices; create neighbourhoods with a strong sense of place; and, foster attractive, walkable, compact, mixed-use communities that support a diverse, safe, affordable, efficient, and accessible transportation service? Which areas face the greatest constraints?

### economy

Which areas within the North Stoney Lands offer the greatest opportunities to create a range of employment and housing opportunities and choices, and support an affordable, diverse, safe, effective, and efficient transportation service that connects people to jobs and businesses? Which areas face the greatest constraints?

### energy

Which areas within the North Stoney Lands offer the greatest opportunities to minimize energy consumption by providing a variety of transportation options, including walking; accommodating development forms and densities that can support alternative energy sources and systems; and, utilizing green infrastructure and buildings? Which areas face the greatest constraints?

### air

Which areas within the North Stoney Lands offer the greatest opportunities to improve air quality by preserving open space and critical environmental areas; providing a variety of transportation options, including walking; supporting compact, mixed-use development; and, utilizing green infrastructure and buildings? Which areas face the greatest constraints?

### well-being

Which areas within the North Stoney Lands offer the greatest opportunities to foster distinctive, attractive communities with a strong sense of place; offer a range of lifestyle choices (e.g. housing, transportation, recreation, etc.); and support walkable, compact, mixed-use communities that encourage social interaction? Which areas face the greatest constraints?