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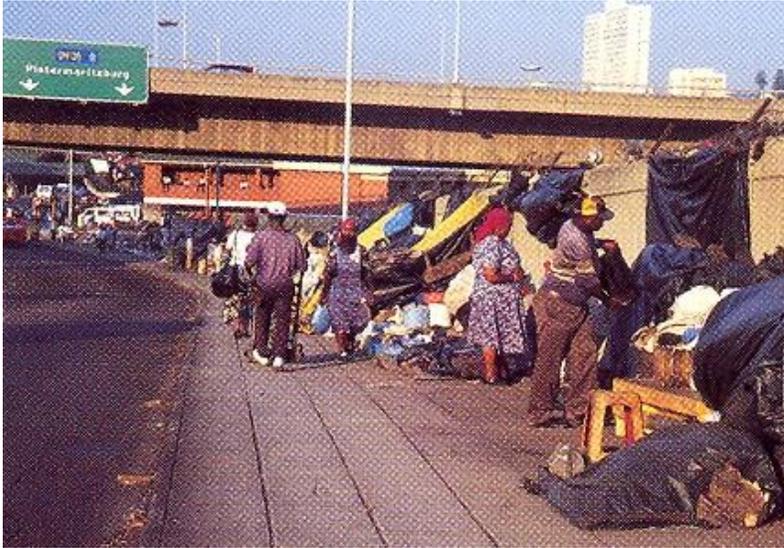
Case study: Practical Application of OSH Principles in the Informal Economy

National OHS Conference. Durban. 8 November 2023

- introduction
- dignifying and enabling the 'place-of-work'
- interventions: health screening
risk mitigation and prototyping
non motorized freight
childcare
awareness raising and training
- conclusion

... introduction and outline

- traditional medicine

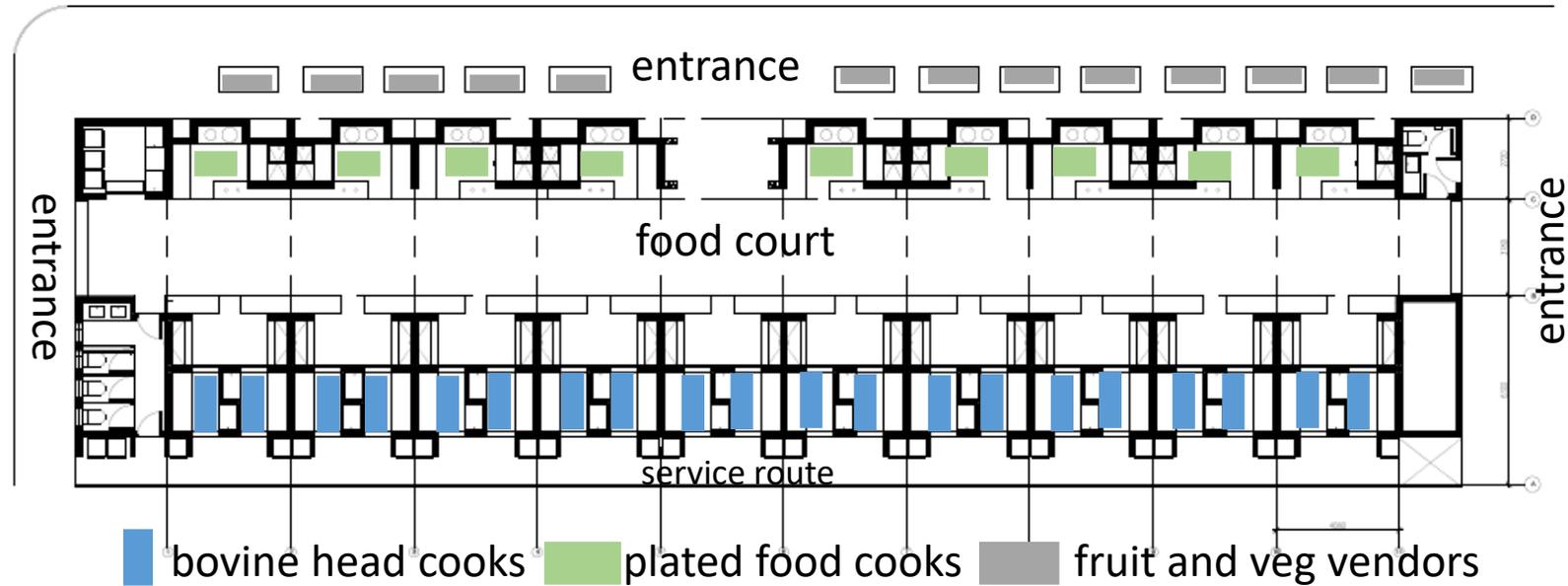


pre-existing urban presence



developed infrastructure 2021

- bovine head cooking



infrastructure

- mealies



pre-existing urban presence



bio-efficient stoves

- transformed public space



... public space infrastructure



hearing preservation



eye sight



... health screening



hazardous practices



smoke and heat stress



smokeless bio efficient prototypes

... risk mitigation and prototype

informal food cooks' facility



proposed cone



small scale illustration of the proposed kerb-side nesting of the cone sand fire extinguishers [CSFE]



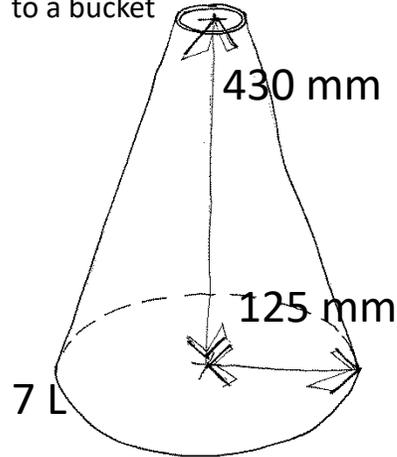
typical work-place hazard



bucket and sand extinguisher method



7 L cone as an alternative to a bucket



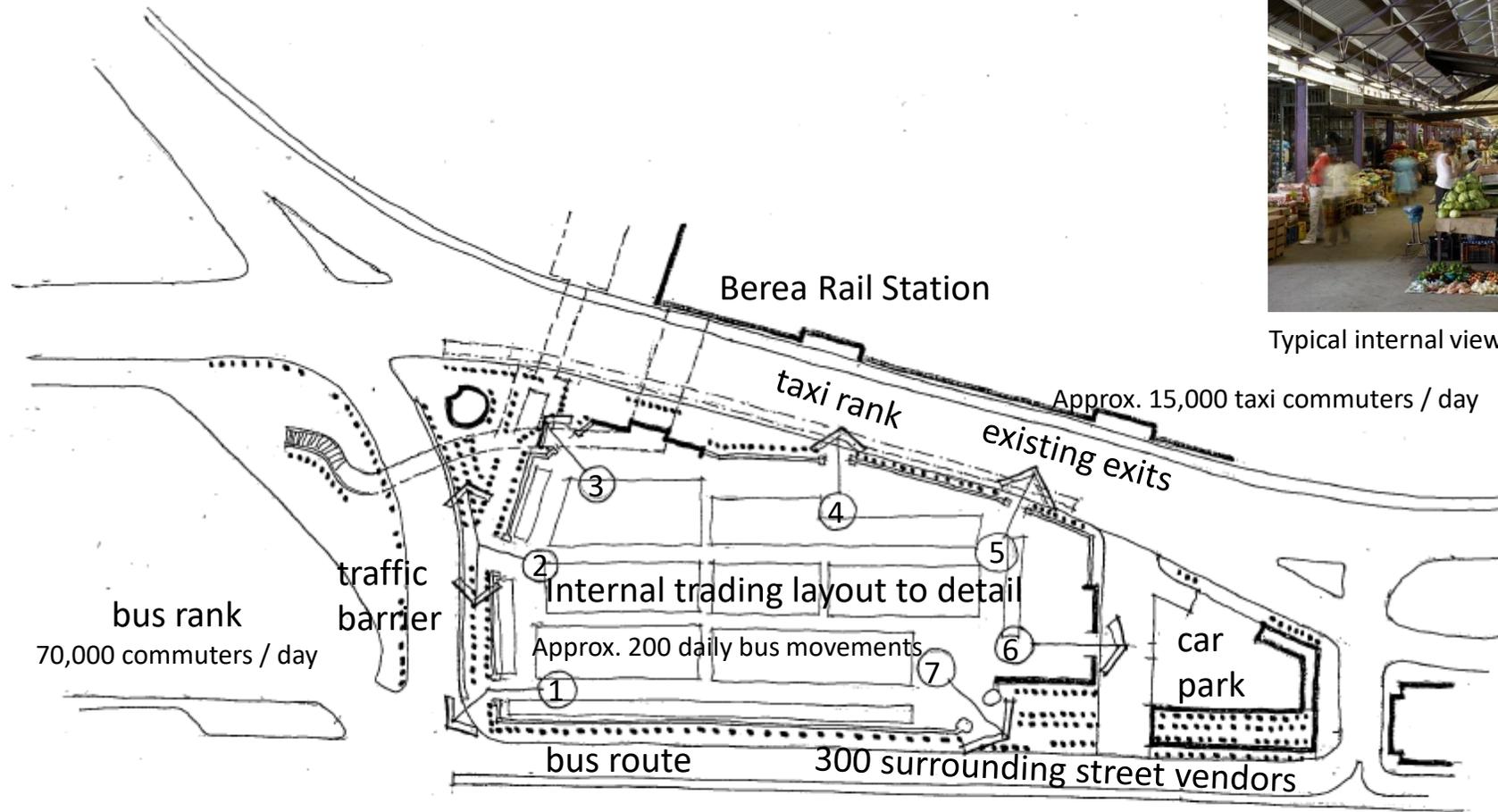
the assembly of the CSFE from printed template then filled with sand contained in a plastic sleeve / liner.

The Phephanathi Project

SAND FIRE EXTINGUISHER PROTOTYPE [copyright. Original architect's design.]

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Typical internal view of EMM

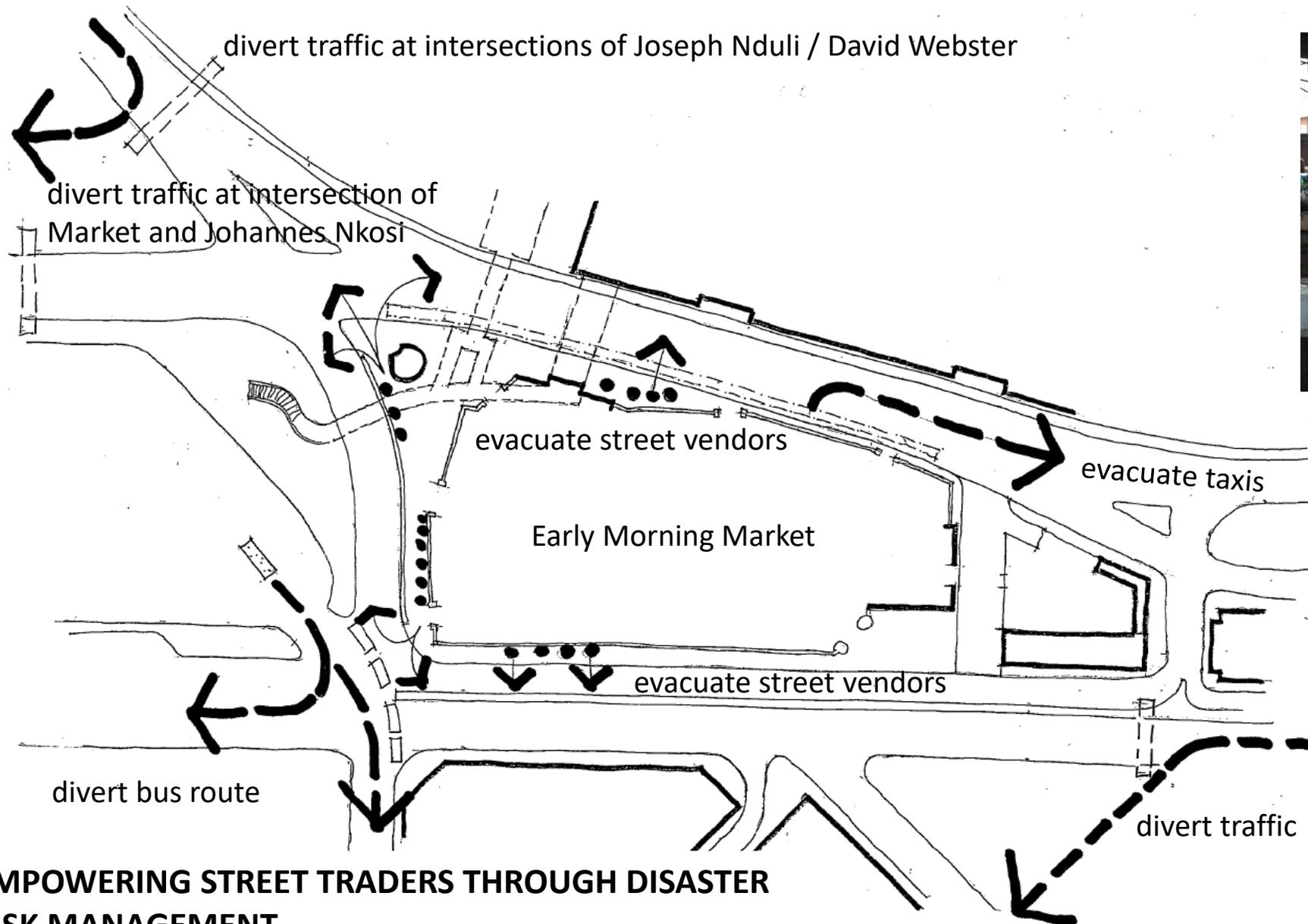
EMPOWERING STREET TRADERS THROUGH DISASTER RISK MANAGEMENT

EARLY MORNING MARKET. INTERNAL RESPONSE

Asiye eTafuleni. Durban

Dwg No. DRM/02

... risk mitigation and prototype



Street First Aiders

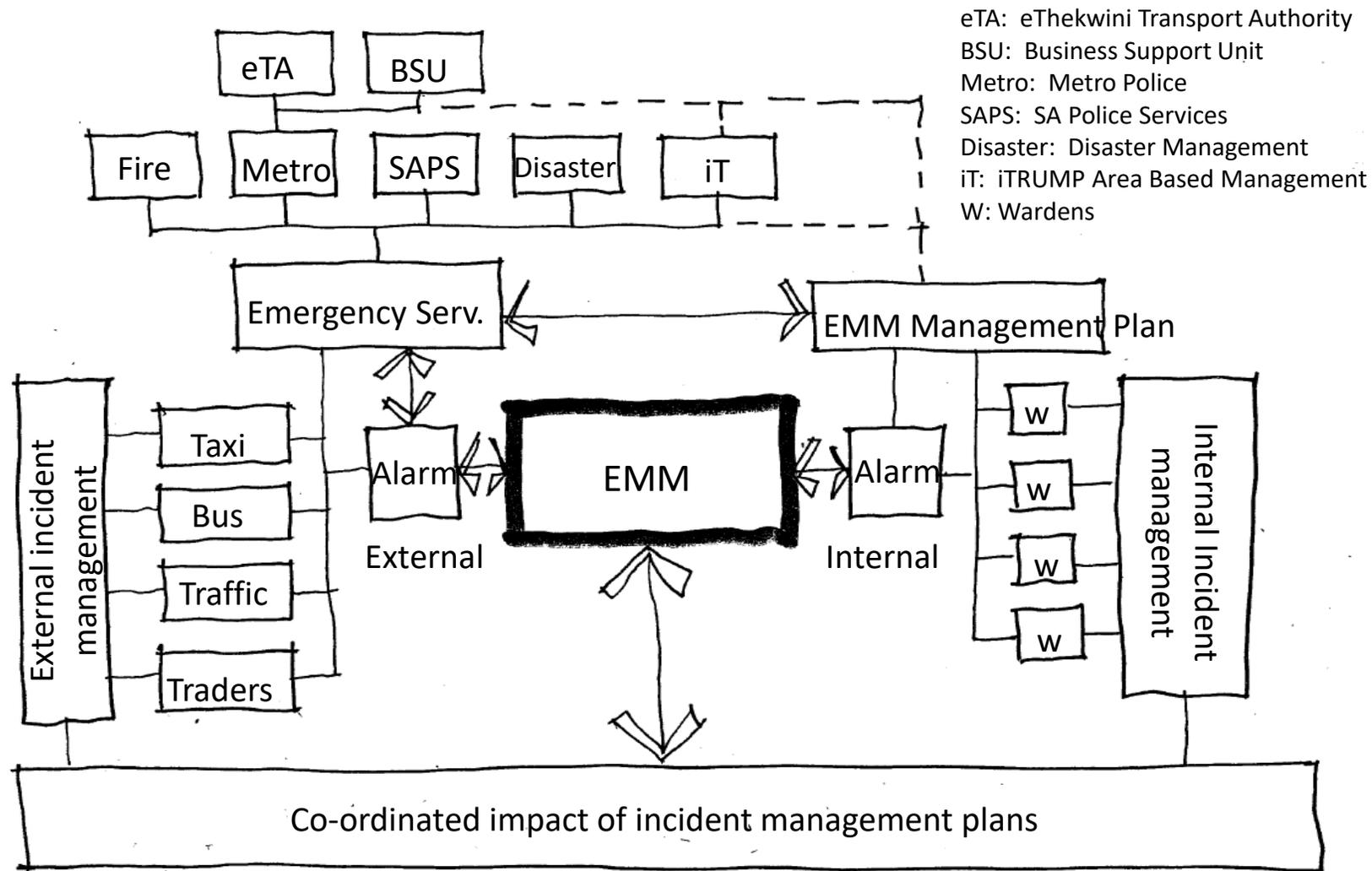
EMPOWERING STREET TRADERS THROUGH DISASTER RISK MANAGEMENT

EARLY MORNING MARKET. EXTERNAL INCIDENT MANAGEMENT

Asiye eTafuleni. Durban

Dwg No. DRM/04

... risk mitigation and prototype



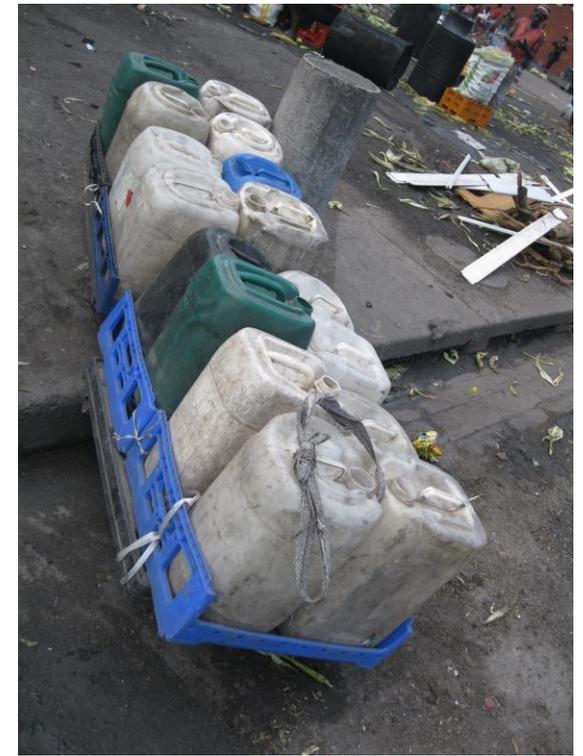
EMPOWERING STREET TRADERS THROUGH DISASTER RISK MANAGEMENT

EARLY MORNING MARKET PROPOSED INCIDENT MANAGEMENT ORGANOGRAM

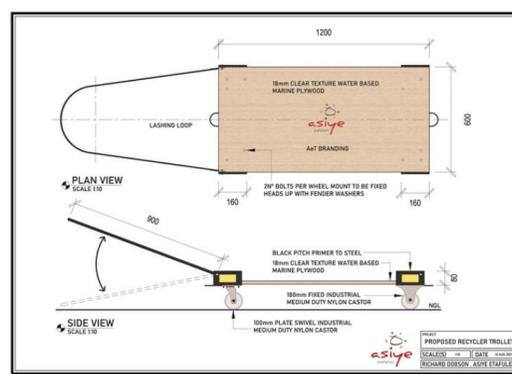
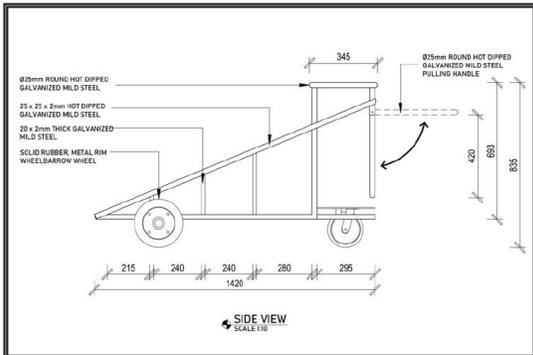
Asiye eTafuleni. Durban

Dwg No. DRM/05

... risk mitigation and prototype



... non motorized freight



Recycling Carts by Asiye eTafuleni

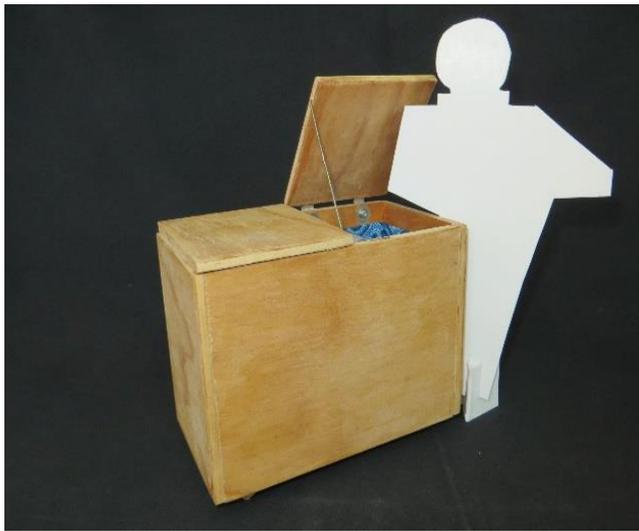
... non motorized freight



work place reality



street storage crate



street crib proposal



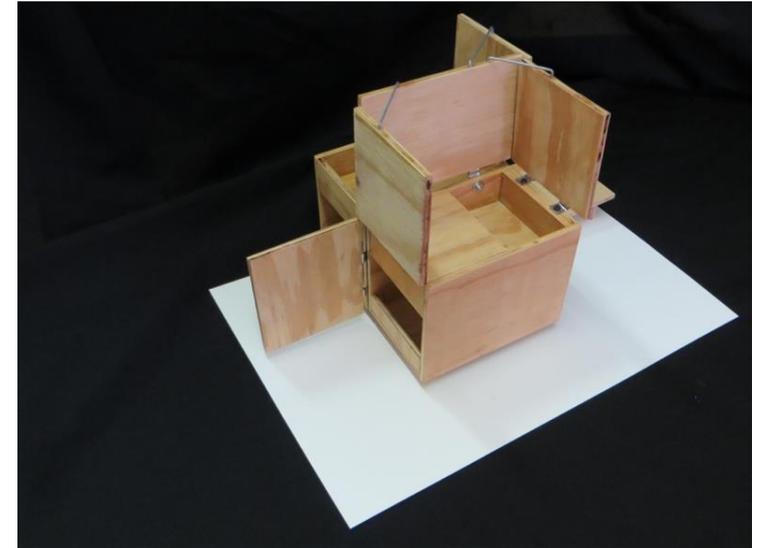
... childcare



street storage crate



care crate proposal – in storage ... in operation



care crate in pop-up market facility



... childcare



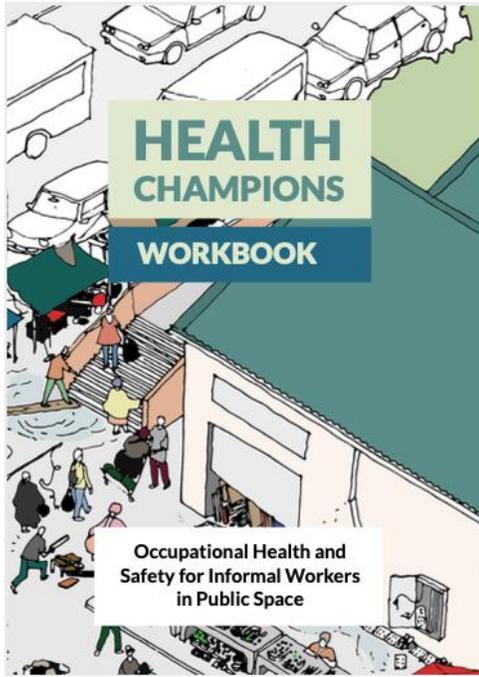
pre-existing under utilized opportunity



developed prototype in operation



... childcare



Occupational Health and Safety for Informal Workers in Public Space

HEALTH CHAMPIONS USER GUIDE



OHS training manual and illustrated risk assessment exercise

1.5 Izifo ezitholakala emoyeni

Igcwane le-Covid-19 kanye nesifo sofuba (TB) yizibonelo zezifo ezitholakala emoyeni, kunogqesho olumayelana ngegwane le-Covid-19 olumayelana nezifo ezitholakala emoyeni.

Ubungozi obudalwa uthuli

Uthuli yizinhlayiya ezincane eziba ukungcola emoyeni. Ezinye izibonelo zothuli olukhona ezindaweni zokuhwebela uthuli lwamafeni oluphuma ekugayweni kwamatshe, uthuli lwesimbi oluvela ezinsimbini kanye nothuli lwemvelo noma lwemifino oluvela kufufuwa, isitshalo sikakotini noma imikhizyo yezilwane. Uthuli luhogelwa ngekhalo, futhi uma izinhlayiya zincane ngokwanye, zingane zifike emaphaphini. Loku kungahlela ezilweni ezibangelwa ukuzhefumala ngegqesho somoya, umdlawza wamaphaphu kanye nesifo samaphaphu (lapho uthuli kuthinta inxenyi yamaphaphu).



Yiziphi izinyathelo ozithathayo ukuze uzivikele ekuguleni?

Ukufaka isimbonyo

Izingozi ezibangwa amakhemikhali

Abahlwebi basegcupheni kumakhemikhali ahlukehukene noma izinto ezinimiphumela yezempilo ebusayo njengamakhemikhali. Izinto zamakhemikhali eziningi zingase zibe ezindaweni zokusebenza zingase zinto zokuhlala. Izinhlobo ezahlukene zodayi wezinguqo, kanye nezibulalazinambuzane ezvela emkhizweni emisha. Ukuchayeka kulawa makhemikhali kungereka ngokuhogela uma kukhona intuthu evela kumakhemikhali noma ukuthintana ngqo nento.

Imikhizyo yokuhlaza inezinto eziningi zamakhemikhali ezixubene ezandisa ubuthi empilweni yomuntu. Imiphumela yezempilo yokuhogela ingase ibangele ukugula. Ukuvuvuka kwesikhumba kungabangelwa ukuthintana ngqo. Izinto ozihogela ziye ebusisweni zingase zidale tiyezi rekhandla elibuhlungu.

Ungakwazi ukucabanga nganoma yiziphi izingozi zamakhemikhali endaweni yakho yokusebenza?

Ukusebenza izimpilo ezululana

Amatha esivavhola kuthina emembeni

Kanye nasezindaweni zokusebenza



wash stations



pandemic response – frontline workers and self-build wash stations

... awareness raising and training



...conclusion

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