

OSM Tanzania Data Model and Tagging

[1. Streets](#)

[2. Buildings](#)

[3. Drainage](#)

[3.1. Ditch](#)

[3.2. Drain](#)

[3.3. Underground Drain](#)

[3.4. Culvert](#)

[4. Public Water Source](#)

[4.1. Stand Point](#)

[4.2. Overhead Tank](#)

[4.3. Reserve Tank](#)

[5. Public Toilets](#)

[6. Solid Waste](#)

[7. Open Areas](#)

[7.1. Brownfield](#)

[7.2. Cemetery](#)

[7.3. Grass](#)

[7.4. Park](#)

[7.5. Playground](#)

[7.6. Sports Pitch/Facility](#)

[7.7. Water Ponds](#)

[7.8. Wetland/Floodprone Areas](#)

[8. Ward Boundaries](#)

[9. Sub ward Boundaries](#)

1. Streets

| key | possible values |
|------------|--|
| highway | primary, secondary, tertiary, unclassified, residential, footway |
| name | name of street |
| surface | asphalt, concrete, unpaved |
| smoothness | good, intermediate, bad, very_bad, horrible |
| width | <number> <i>(in meters of street width)</i> |
| oneway | yes, no <i>(direction of traffic, NOT the number of lanes!)</i> |
| bridge | yes, viaduct (add layer=1) |

2. Buildings

| key | possible values |
|-------------------|--|
| building | residential, commercial, apartments, industrial, public, school, utility, construction, residential;commercial |
| name | name of building |
| building:levels | number of levels in the building <i>(the ground floor is 1!)</i> |
| building:material | brick, cement_block, concrete, glass, loam, metal, plaster, wood |
| addr:housenumber | address number of the building, ie 25 or 19A |
| addr:street | street name |
| amenity | atm, bank, bar, cafe, clinic, college, courthouse, embassy, fire_station, fuel, hospital, kindergarten, library, marketplace, parking, place_of_worship, pharmacy, police, post_office, pub, public_building, restaurant, school, townhall |
| office | company, government, insurance, lawyer, political_party, yes |
| shop | alcohol, art, bakery, beauty, beverages, bicycle, books, butcher, car, car_parts, car_repair, chemist, clothes, convenience, copyshop, cosmetics, doityourself, electronics, furniture, greengrocer, hairdresser, houseware, jewelry, kiosk, mobile_phone, pastry, shoes, stationary, supermarket, tailor, yes |

| | |
|-----------|--|
| tourism | attraction, guest_house, hotel, yes |
| bed_count | (for hospitals, clinics; the number of beds) |
| religion | (if a place_of_worship; muslim, christian) |

3. Drainage

3.1. Ditch

(ways, dirt drainage line which is uncovered):

waterway = ditch

covered = yes, no

blockage = dirt, concrete, rubbish, no

width = <number> of meters wide

depth = <number> of meters deep

3.2. Drain

(ways, concrete drainage line which may be covered or uncovered):

waterway = drain

covered = yes, no

blockage = dirt, concrete, rubbish, no

width = <number> of meters wide

depth = <number> of meters deep

3.3. Underground Drain

(ways, concrete drainage line which is buried under or next to the road):

waterway = drain

covered = yes

layer = -1

diameter = <number> of meters in diameter (may not be possible to collect)

3.4. Culvert

(ways, a tunnel which carries water from an open drain under the road):

waterway = drain

tunnel = culvert

covered = yes

layer = -1

diameter = # of meters in diameter

4. Public Water Source

4.1. Stand Point

amenity=drinking_water

pump:active = yes, no

4.2. Overhead Tank

man_made = water_tower

4.3. Reserve Tank

man_made = water_tank

5. Public Toilets

Required:

amenity = toilets

toilets:disposal = flush,pitlatrine,bucket,chemical

Optional:

access= yes,permissive,customers

fee=yes,no

name= name of a toilet

toilets:num_chambers= # of toilets

operator = name (for example: Ilala Municipal Council, Tandale Sacco, Friend's Bar)

opening_hours= e.g. 08:30-15:45

wheelchair = yes;no

toilets:handwashing= yes;no

6. Solid Waste

landuse = dump

dump:official = yes, no

7. Open Areas

(follow typical tagging methodology, especially the following)

7.1. Brownfield

landuse = brownfield, greenfield¹

7.2. Cemetery

landuse = cemetery

7.3. Grass

landuse = grass

7.4. Park

leisure = park

7.5. Playground

leisure = playground

7.6. Sports Pitch/Facility

leisure = pitch

landuse = recreation_ground

¹ Brownfield is a piece of land that has been previously built up and then cleared (a good example is the large field in Ndugumbi where they have been launching the drones). On the other hand, greenfield describes undeveloped land scheduled for development.

7.7. Water Ponds

natural = water

7.8. Wetland/Floodprone Areas

natural = wetland²

8. Ward Boundaries

(these will be imported, we need to find sub-ward boundaries; ask ward officers to draw the sub-wards!)

admin_level=9

boundary=administrative

name=<ward name>

place=ward

9. Sub ward Boundaries

admin_level=10

boundary=administrative

is_in=<ward name>

name=<subward name>

place=subward

For more tags, see http://wiki.openstreetmap.org/wiki/Map_Features

To create OpenMapKit forms: <http://opendatakit.org/xiframe>

² A wetland is a land area that is saturated with water, either permanently or seasonally. This could be a swamp or marsh, typically around rivers, lakes, and coastline.