

Technical Note
on the Preparatory Survey for the Project for
Implementation of Intelligent Transport System in Mombasa Region
(Additional Survey)

Discussion to explanation on Draft Preparatory Survey Report was done and Minutes of Discussion was agreed on 21st March, 2024.

JICA dispatched the Additional Survey Team to survey the current situation and coordinate with County Government of Mombasa (CGM) and related party for the project for the implementation of Intelligent Transport System in Mombasa Region (herein after referred to as the "Project")

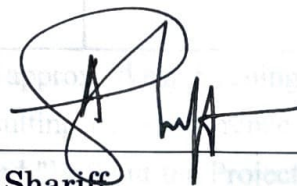
Based on the several discussions between CGM and Additional Survey Team for the Project, both side have confirmed the item described in the attached sheets.

28th May, 2025



Masato Okuda
Chief Consultant
Preparatory Survey Team

Japan International Cooperation
Agency
Japan



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County Chief Officer- Transport
Department of Transport,
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County Government of Mombasa
Republic of Kenya

ATTACHEMENT

1. Timeline for the Project Implementation

The Team explained to the Kenyan side that the expected timeline for the project implementation is as attached in Annex_1.

2. Expected outcomes and indicators.

Both sides agreed that key indicators for expected outcomes are as follows. The Kenyan side will be responsible for the achievement of agreed key indicators targeted in year 2030, two(2) years after completion and shall monitor the progress for Ex-Post Evaluation based on those indicators.

[Quantitative indicators]

Indicator	Basic Value (2021)	Target (2030) [2 years after completion]
Average Travel time (minutes) at traffic peak hour *1	approx. 9.4 minutes	approx. 6.5 minutes
Average Travel speed (km/h) at traffic peak hour *1	approx. 12.3 km/h	approx. 17.8 km/h
Overall benefits of the target intersection (mill yen/year) *2	—	approx. 480 mill yen/year

*1 : Saba Saba Intersection to Barclay intersection (approx. 2km). Evening peak.

*2 : Economic benefit of travel time reduction resulting from difference in estimated travel time between "With the Project Case" and "Without the Project Case" when the road improvement projects (Roads connecting Nairobi direction(A109) and Mombasa port area (A8 and A14) on Mombasa Island) are completed in 2030.

[Qualitative indicators]

- 1) Mitigation of traffic congestion in Mombasa Island by the Project will contribute to vitalization of economic activity.
- 2) The convenience and safety of vehicles, passengers and pedestrians will be enhanced.

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3. Change of scope on CCTV

According to the original plan, traffic monitoring at 22 intersections was to be carried out by utilizing existing CCTV cameras at 17 intersections and installing monitoring cameras by the Project at the remaining 5 intersections where no existing cameras were installed.

However, existing CCTV Cameras in Mombasa island had been replaced by another project for Provision of an Integrated Smart Surveillance system within Mombasa Country (hereinafter referred to as "Smart City Project")

Both sides confirmed following change of scope for CCTV:

- 1) CCTV camera data for traffic monitoring at twenty two(22) intersections can be provided to the Project from the Smart City Project .
- 2) Scope of installation of new CCTV cameras at five (5) intersections for traffic monitoring by the Project is cancelled.
- 3) Instead, dedicated CCTV cameras will be installed for traffic analysis and incident detection at important eight (8) intersections by the Project as is described in Annex_2.

4. Items and measures to be considered for smooth implementation of the Project.

Both sides confirmed the items and measures to be considered for the smooth implementation of the Project as described in Annex_3.

4-1 Installation of fiber cable network

Both sides confirmed that the Kenyan side explained that Smart City Project already selected the network vender and ITS Project will be required to select the same vender.

4-2 Coordination with Smart City Project

Both sides confirmed that the coordination between the Project and the Smart City Project shall cover the following areas:

- 1) Integration of CCTV camera data via the shared network.
- 2) Sharing space and location of the new traffic management center

4-3 Relocation of utilities and existing facilities.

The Executing Agency will coordinate with the relevant entities to complete relocation of utilities and existing facilities including the poles for CCTV of Smart City Project before announcement of the tender process .

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4-4 Construction of the new traffic management center building

Both sides confirmed that the operation room for the equipment provided by the Project will be located at the new traffic management center building at the premise of Inspectorate Unit, and that its construction should be completed before announcement of the tender process of the Project.

Kenyan side explained that its construction is expected to be completed before announcement of the tender process .

5. Environmental Impact Assessment (EIA)

Both sides confirmed the Environmental Impact Assessment (hereinafter referred to as "EIA") report will be approved by The National Environment Management Authority (hereinafter referred to as "NEMA") in September 2025.

End

Annex_1: Project Implementation Schedule

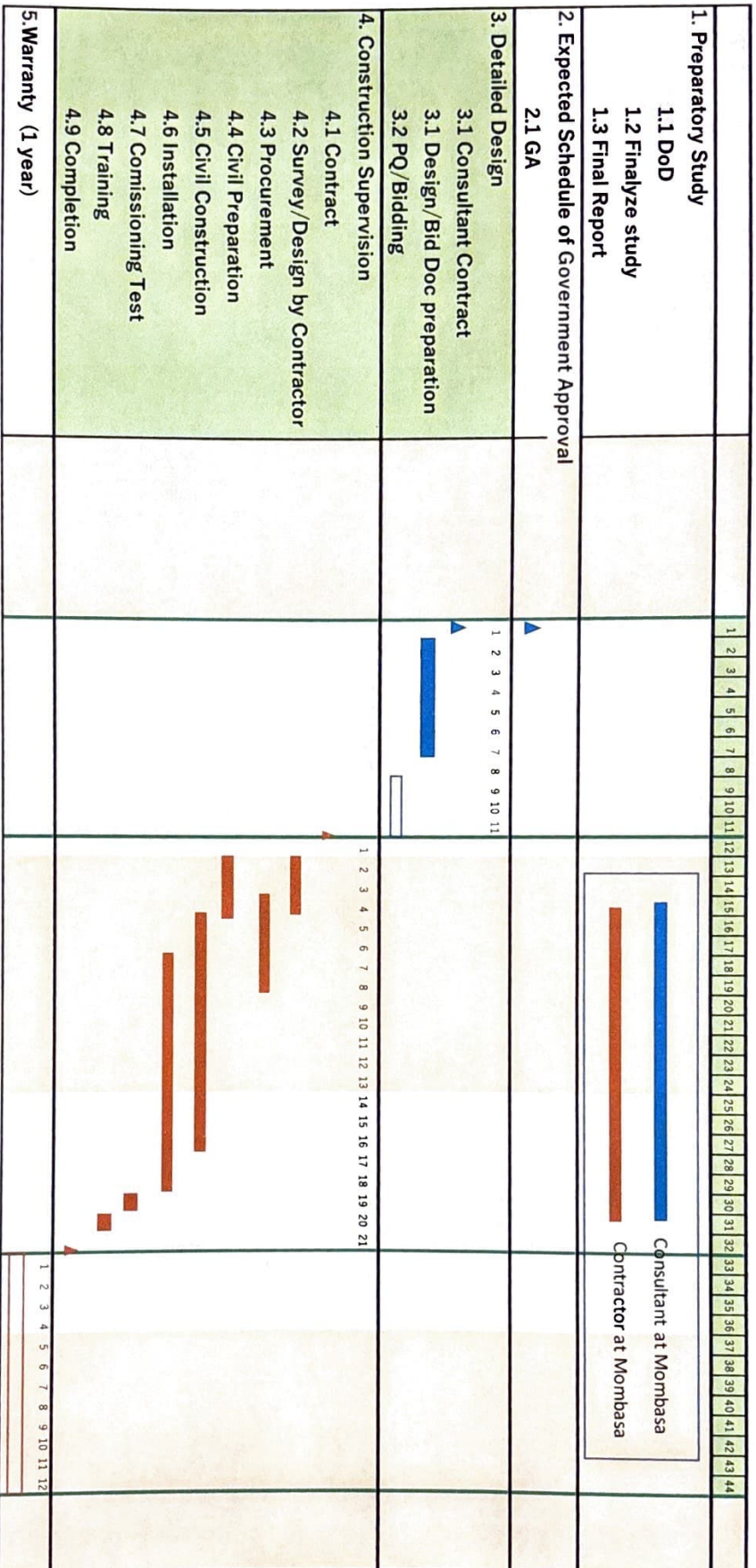
Annex_2: CCTV location

Annex_3: Major Undertakings to be taken by Government of Kenya

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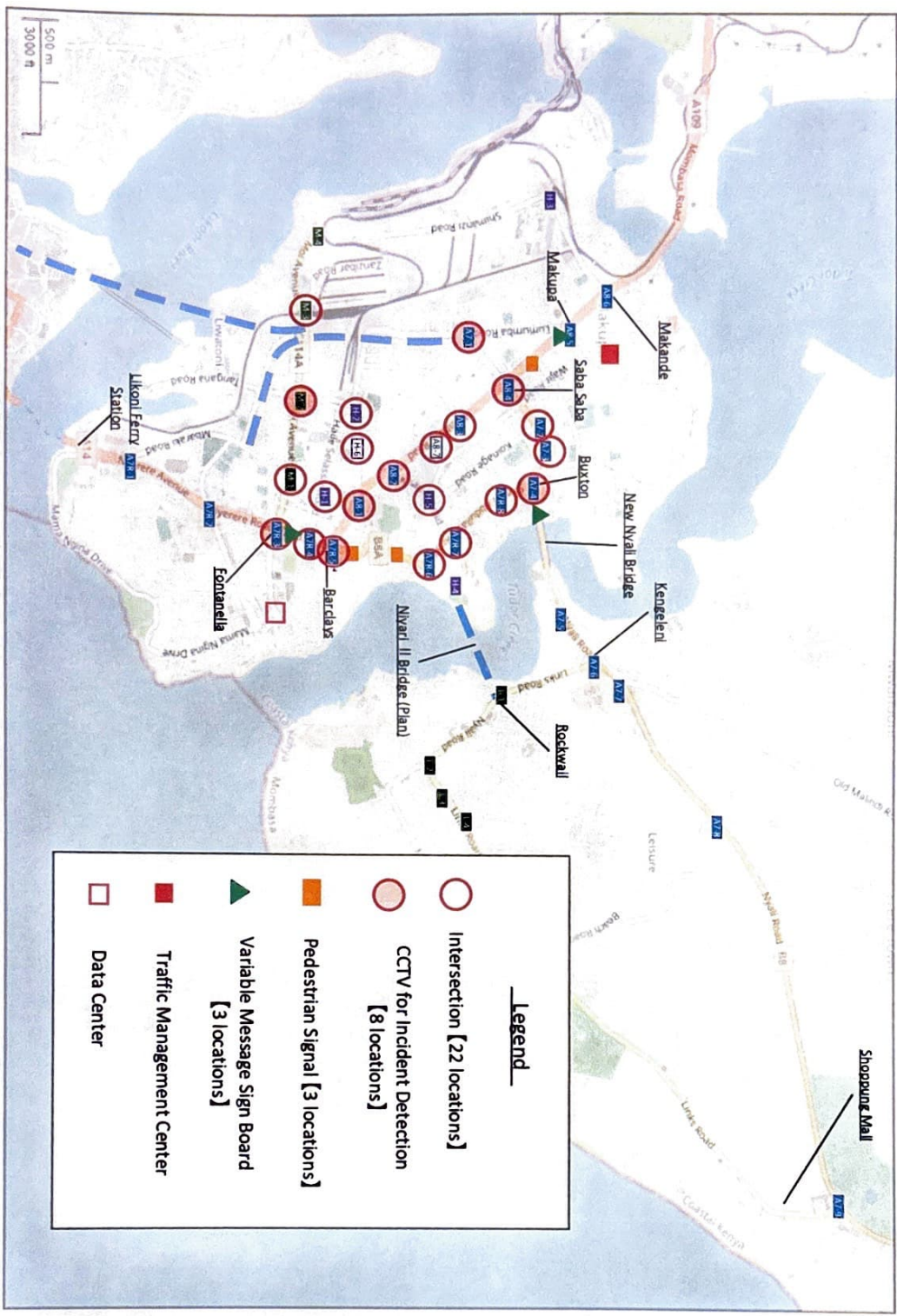
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Tentative Implementation Plan of the Project for Mombasa City ITS in Kenya



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CCTV Location



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Major Undertakings to be taken by the Government of Republic of Kenya

1. Specific obligations of the Government of Republic of Kenya which will not be funded with the Grant**(1) Before the Tender**

NO	Items	Deadline	In charge	Estimated Cost (KES)	Ref.
1	To sign the banking arrangement (B/A) with a bank in Japan (the Agent Bank) to open bank account for the Grant	within 1 month after the signing of the G/A	CGM (NT)	approx. 3,000,000	
2	To issue A/P to the Agent Bank for the payment to the consultant	within 1 month after the signing of the contract(s)	CGM (NT)		
3	To bear the following commissions to the Agent Bank for the banking services based upon B/A				
	1) Advising commission of A/P Commissioning Fee	within 1 month after the signing of the contract(s)	CGM		
	2) Payment commission for A/P	every payment	CGM		
4	To approve EIA(Conditions of approval should be fulfilled, if any) and secure the necessary budget for implementation for EMP and EMoP (and fulfilling conditions of approval, if any). Commission Fee	until September, 2025	CGM	approx. 3,000,000	
5	To implement social monitoring, and to submit the monitoring results to JICA, by using the monitoring form, on a quarterly basis as a part of Project Monitoring Report	until land acquisition and resettlement completion	CGM		
6	To secure and clear the following lands	before announcement of the tender process	CGM		
	1) main camp yard, temporary construction yard and stock yard near the Project area				
	2) borrow pit and disposal site near the Project area				
	3) To complete construction of new traffic management center building to accommodate the provided equipment, which will later include raised floor, air-conditioning system, electrical fittings, lighting fixtures and interior finishes.	before announcement of the tender process	CGM	3,000,000	
	4) Implementation of additional Optical Fiber network		CGM	13,265,000	
	5) To complete the CCTV installation and network of Smart City Project for share the Camera data with the Project		CGM		
7	To discuss on intersection design	During detailed design	CGM KURA KeNHA		

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8	To clear, level and reclaim the following sites 1) Removal of the ornament structures, power facilities, communication cables, advertisement board, lighting and the poles for CCTV of Smart City Project from the roundabouts with cooperation of the stakeholders.	before announcement of the tender process	CGM	5,000,000	
9	To submit Project Monitoring Report (with the result of Detailed Design)	before announcement of the tender process	CGM		

(B/A: Banking Arrangement, A/P: Authorization to pay, N/A: Not Applicable)

Note: CGM : Mombasa County Government

NT : The National Treasury and Economic Planning

KeNHA : Kenya National Highways Authority

KURA: Kenya Urban Roads Authority

(2) During the Project Implementation

NO	Items	Deadline	In charge	Estimated Cost (KES)	Ref.
1	To issue A/P to the Agent Bank for the payment to the supplier and the contractor	within 1 month after the signing of the contract(s)	CGM (NT)	approx. 3,000,000	
2	To bear the following commissions to the Agent Bank for the banking services based upon the B/A 1) Advising commission of A/P	within 1 month after the signing of the contract(s)	CGM (NT)		
	2) Payment commission for A/P	every payment	CGM (NT)		
3	To ensure prompt unloading and customs clearance at ports of disembarkation in the country of the Recipient and to assist the Supplier(s) with internal transportation therein	during the Project	CGM		
4	To accord Japanese physical persons and/or physical persons of third countries whose services may be required in connection with the supply of the products and the services such facilities as may be necessary for their entry into the country of the Recipient and stay therein for the performance of their work	during the Project	CGM		
5	To ensure that customs duties, internal taxes and other fiscal levies which may be imposed in the country of the Recipient with respect to the purchase of the products and/or the services be exempted.	during the Project	CGM NT		
6	To bear all the expenses, other than those covered by the Grant, necessary for the implementation of the Project	during the Project	CGM		
7	To notify JICA promptly of any incident or accident, which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers.	during the construction	CGM		
8	1) To submit Project Monitoring Report	every month	CGM		
	2) To submit Project Monitoring Report (final) (including as-built drawings, equipment list, photographs, etc.)	within 1 month after issuance of Certificate of Completion for the works under the contract(s)	CGM		
9	To submit a report concerning completion of the Project	within 6 months after completion	CGM		

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		of the Project			
10	To provide Data Centre and Traffic Management Centre with facilities for distribution of electricity, water supply and drainage and other incidental facilities necessary for the implementation of the Project outside the site(s), 1) Electric power distributing line to the equipment. 2) Communication line to the equipment 3) Relocating and adding Mobile Radio Communication System to new Traffic Management Centre.	before start of the equipment installation Before start of the equipment installation During/before installation	CGM CGM (Fiber Link) CGM	2,370,000 2,770,000 300,000	
11	To ensure the safety of persons engaged in the implementation of the Project.	during the Project	CGM		
12	To take measures necessary for security and safety of the Project -traffic control around the site and on transportation routes of construction materials -public notification -immediate action in case of accident -information of security.	during the construction	CGM		
13	To implement EMP and EMoP	during the construction	CGM		
14	To submit results of environmental monitoring to JICA, by using the monitoring form, on a quarterly basis as a part of Project Monitoring Report	during the construction	CGM		
15	To implement social monitoring, and to submit the monitoring results to JICA, by using the monitoring form, on a quarterly basis as a part of Project Monitoring Report	during the construction	CGM		

(3) After the Project

NO	Items	Deadline	In charge	Estimated Cost	Ref.
1	To implement EMP and EMoP	during warranty period	CGM	6,600,000 1 year only	
2	To submit results of environmental monitoring to JICA, by using the monitoring form, semiannually - The period of environmental monitoring may be extended if any significant negative impacts on the environment are found. The extension of environmental monitoring will be decided based on the agreement between CGM and JICA.	for 3 years after completion of the Project	CGM		
3	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid 1) Allocation of maintenance cost Maintenance Contract fee Communication Bill 2) Operation and maintenance structure Maintenance Contract Assignment of personnel for Operation and maintenance	After completion of the construction	CGM	9,900,900 10,693,069 /Year	

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資料 5

交通量調査報告書

**PREPARATORY SURVEY
FOR
THE PROJECT FOR IMPLEMENTATION OF
INTELLIGENT TRANSPORT SYSTEM
IN
MOMBASA REGION**

TRAFFIC SURVEY REPORT

October 2025

JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI ENERGY SOLUTIONS CO., LTD.

Katahira & Engineers International

Ingerosec Corporation

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1. Outline of the Intersections

The traffic volume count survey covers 30 intersections and 2 locations on the bridge considering the traffic situation, the impact of related projects, and discussions with C / P at the first meeting



Traffic Count Survey(Pedestrian Crossing Volume Count)

○ : 13~18th,SEP(9locations)

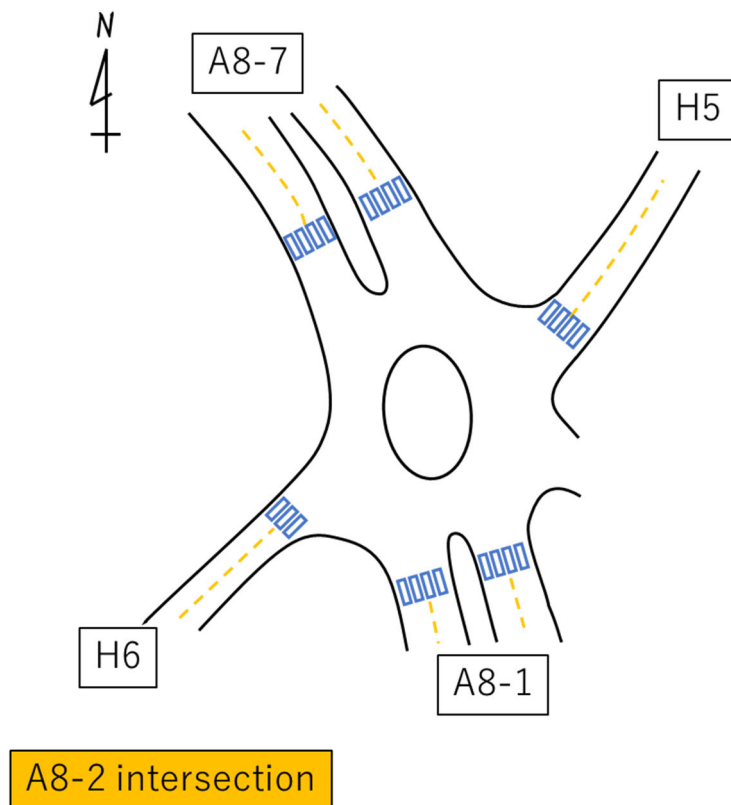
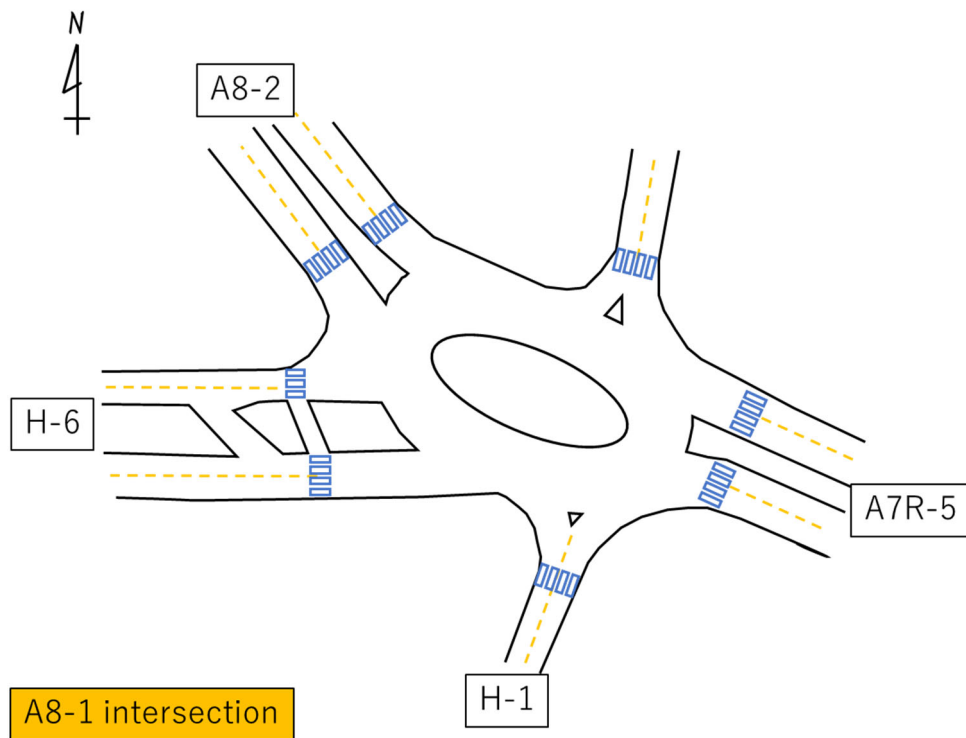
Crossing Volume Count 16th ~22nd

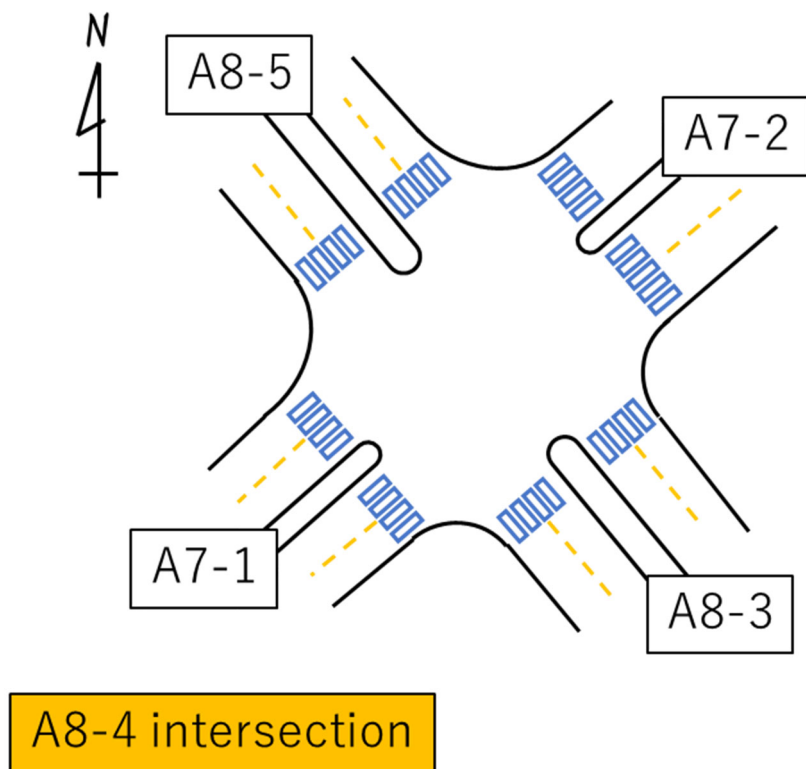
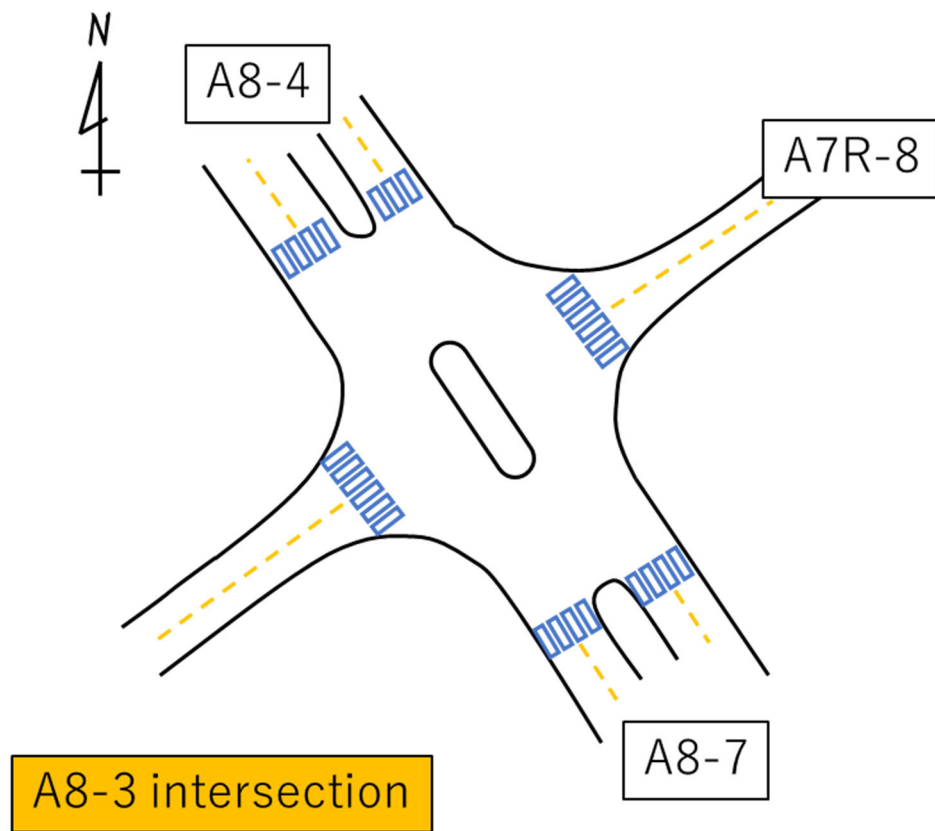
The start of the Pedestrian Crossing Volume Count was delayed only 1st week, but the survey started at the same time in the other weeks.

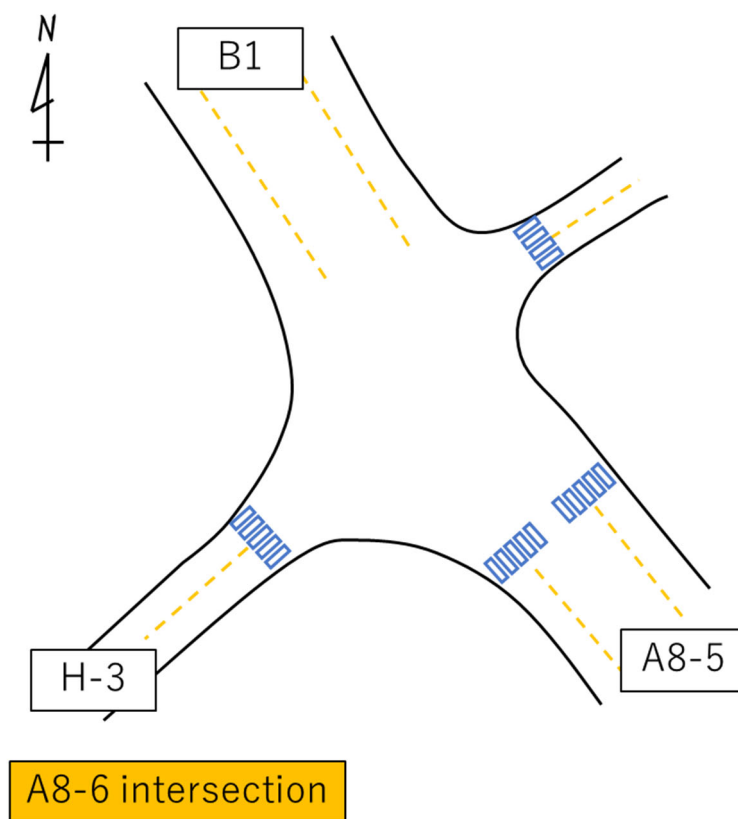
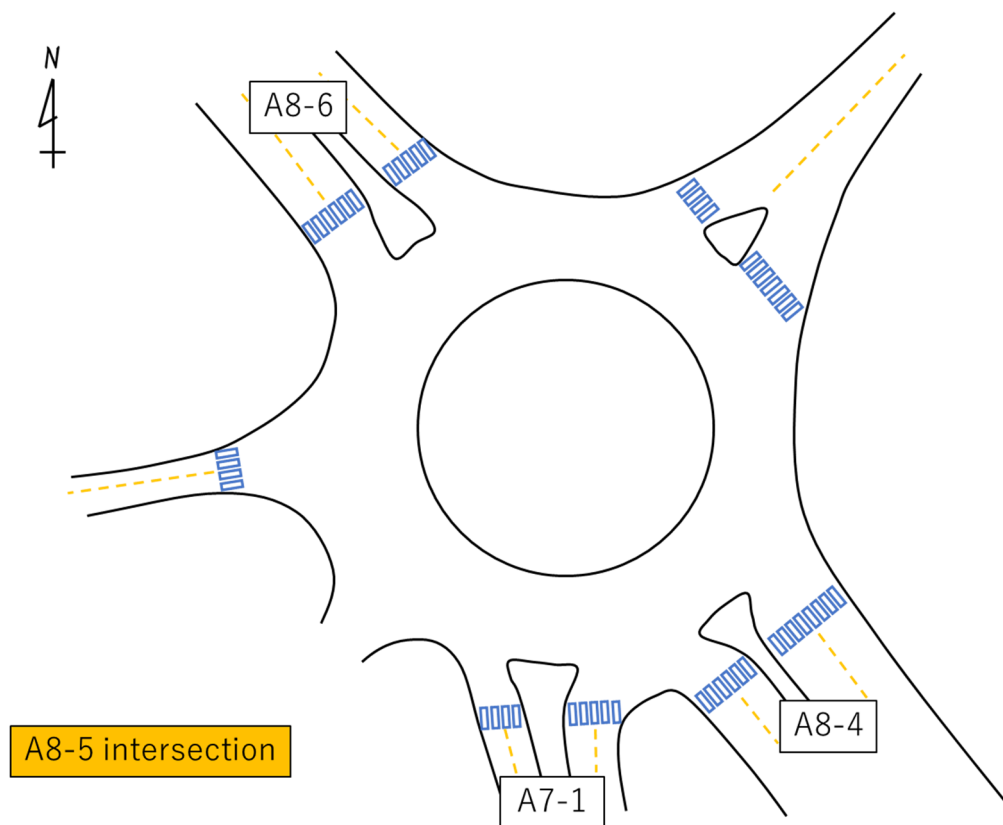
○ : 20~25th,SEP(10locations)

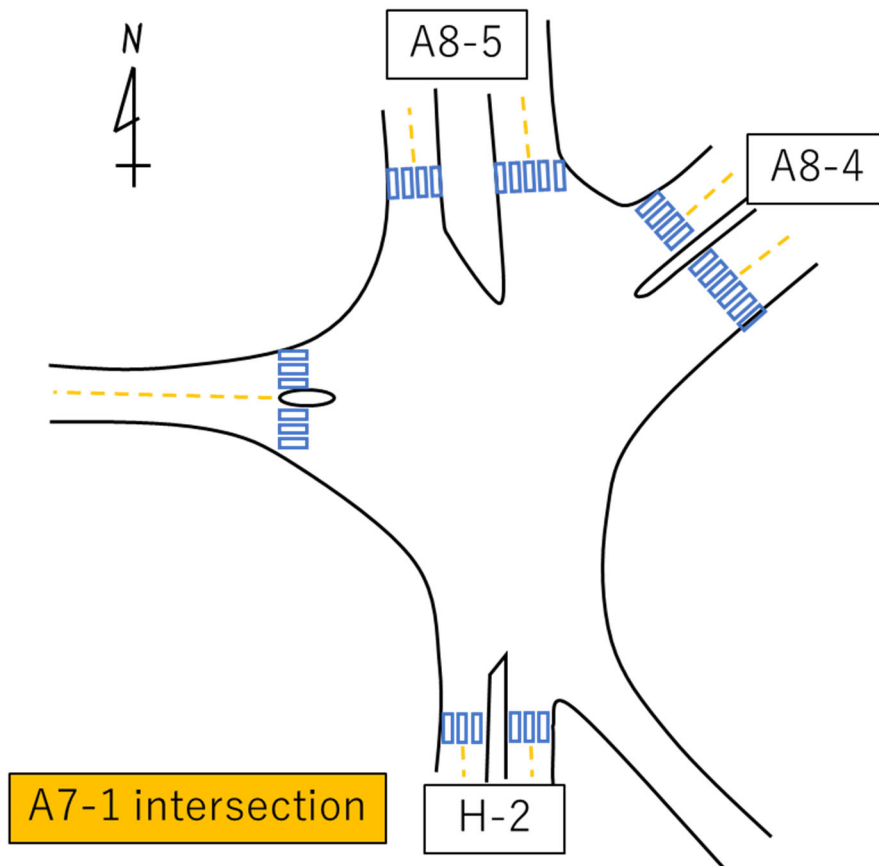
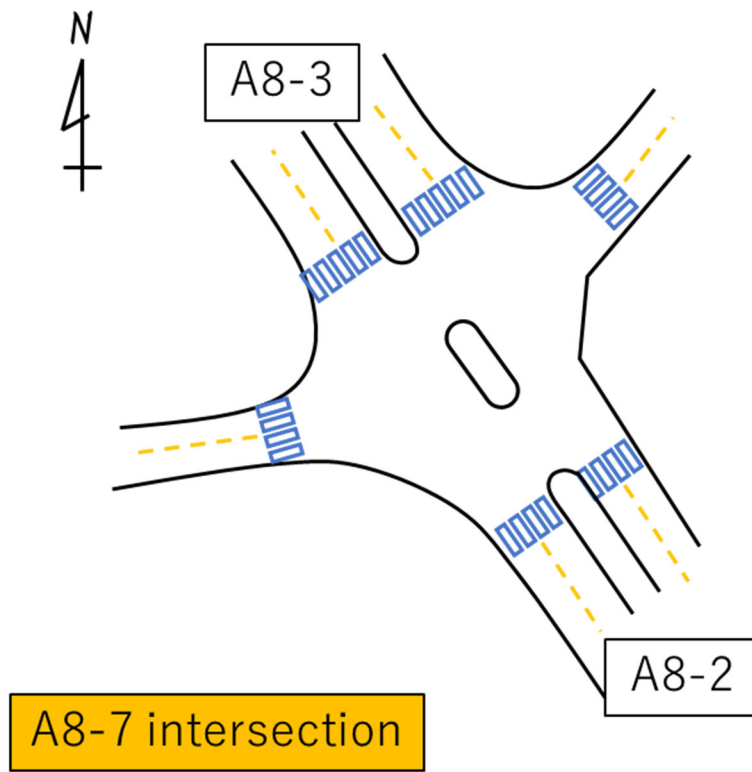
○ : 27th,SEP~2nd,OCT(12locations)

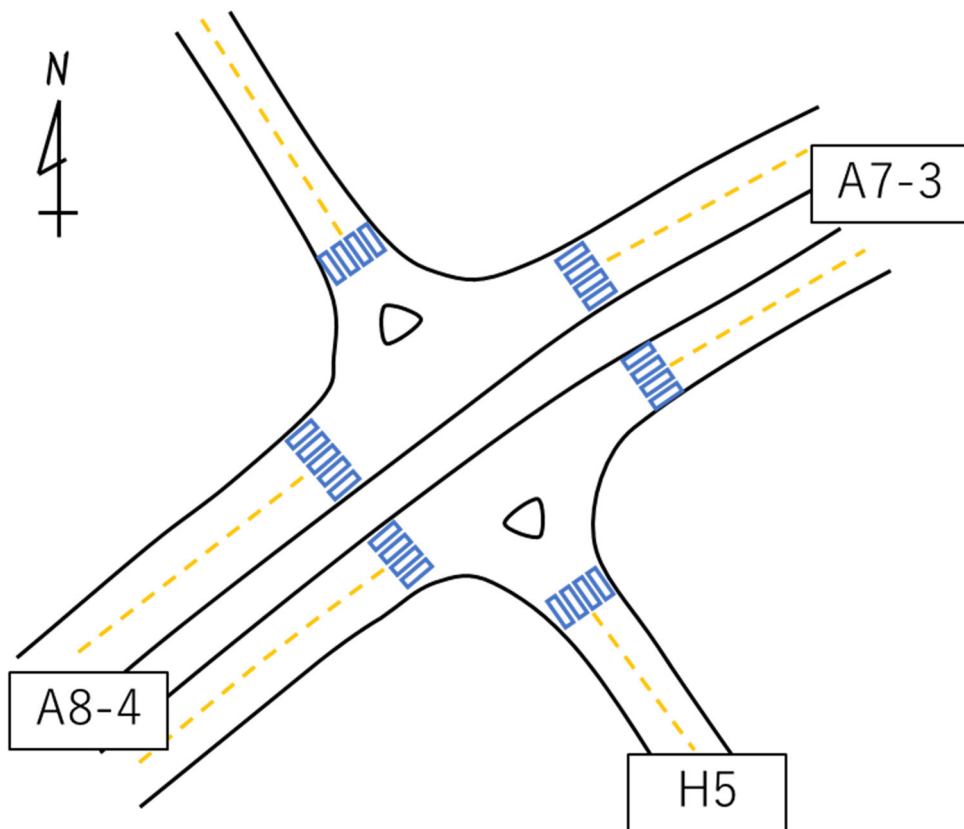
○ : 27th,SEP~2nd,OCT (2locations)



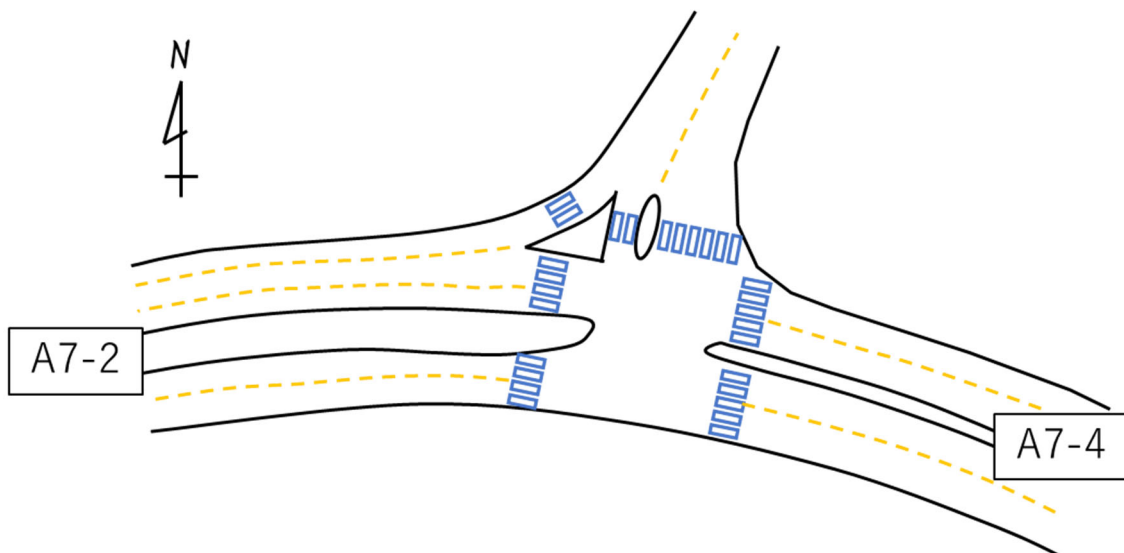




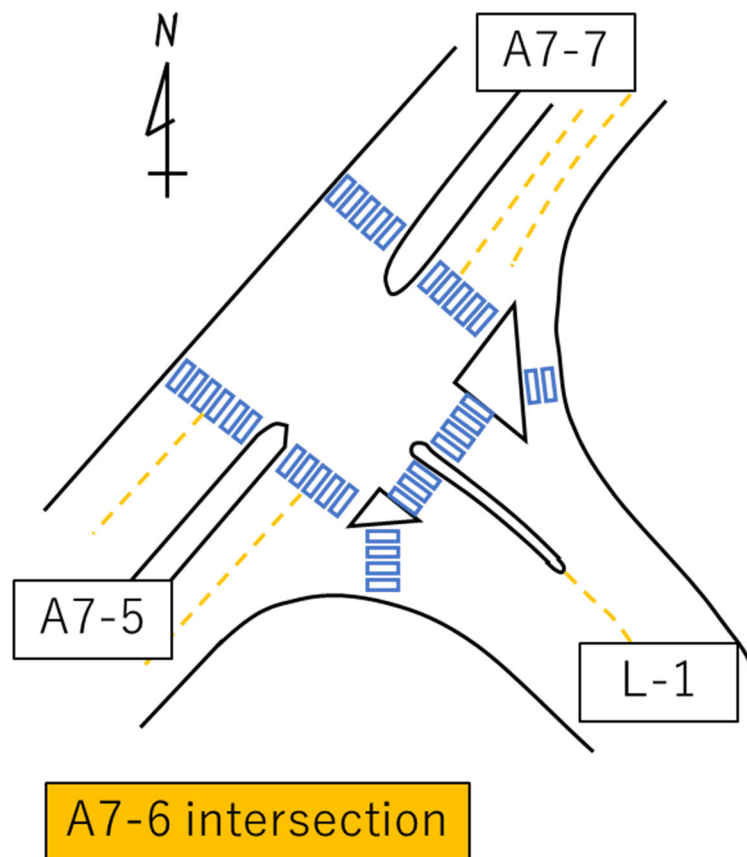
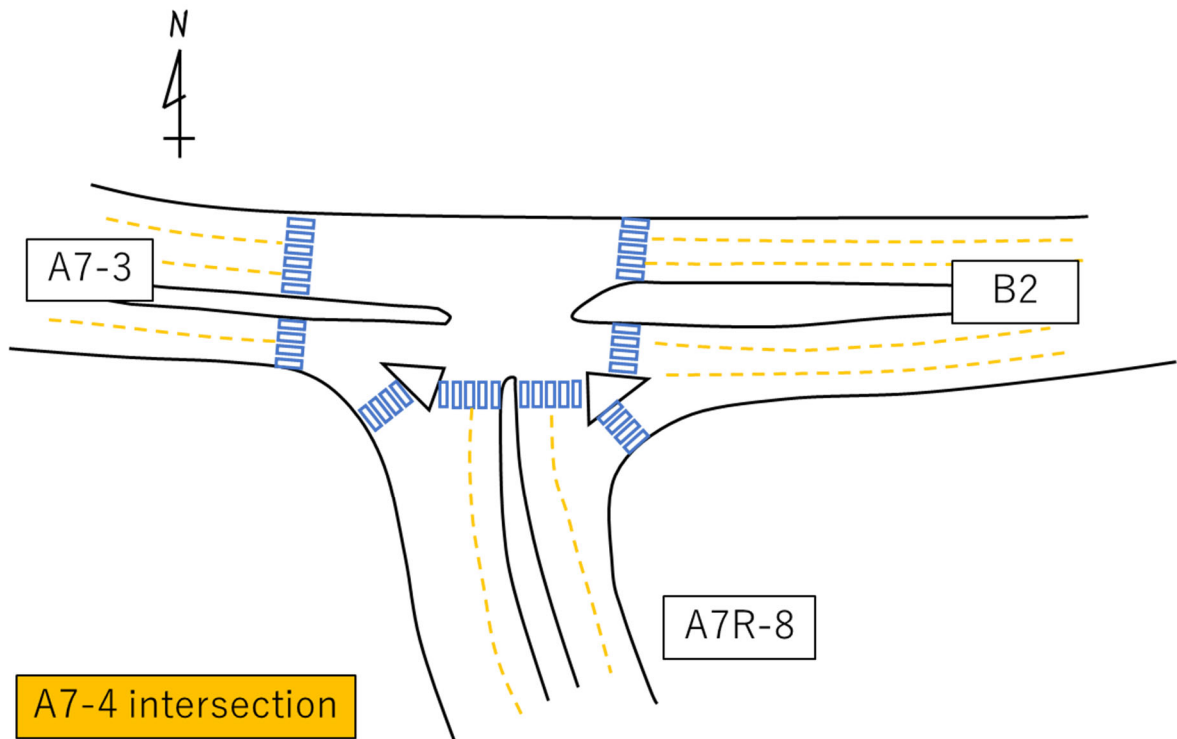


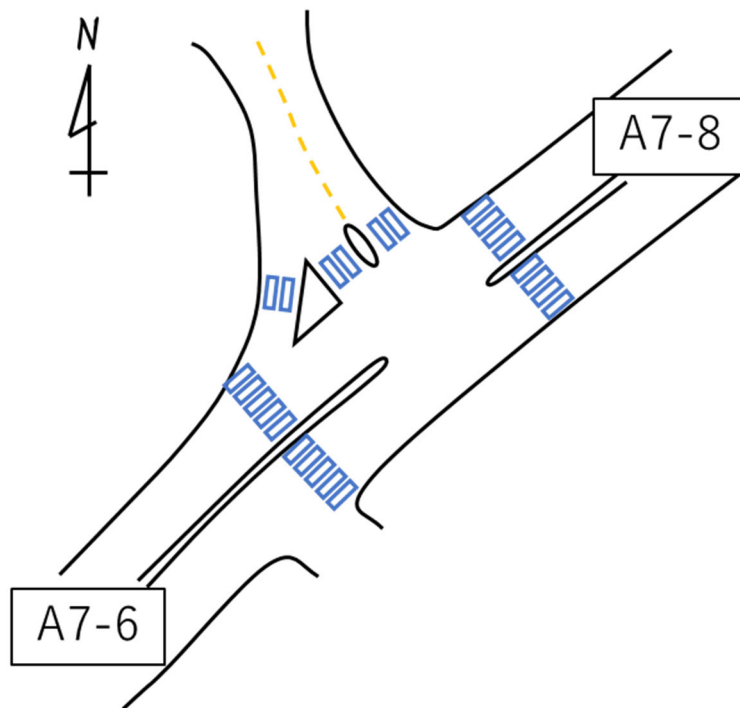


A7-2 intersection

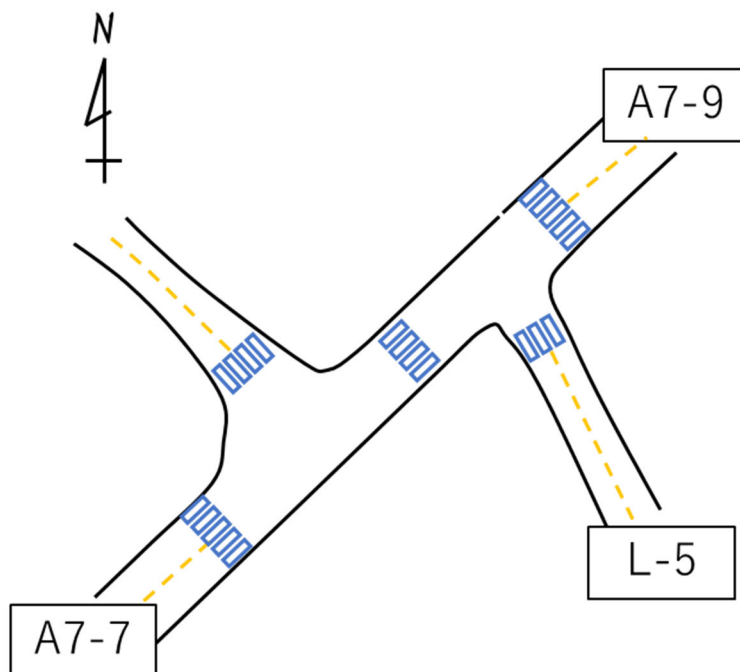


A7-3 intersection

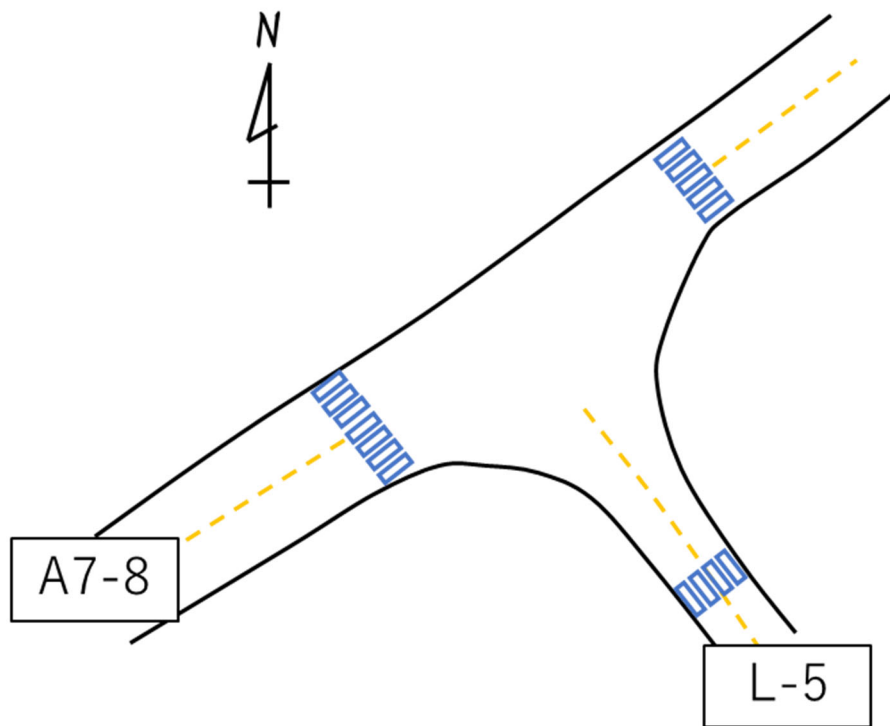




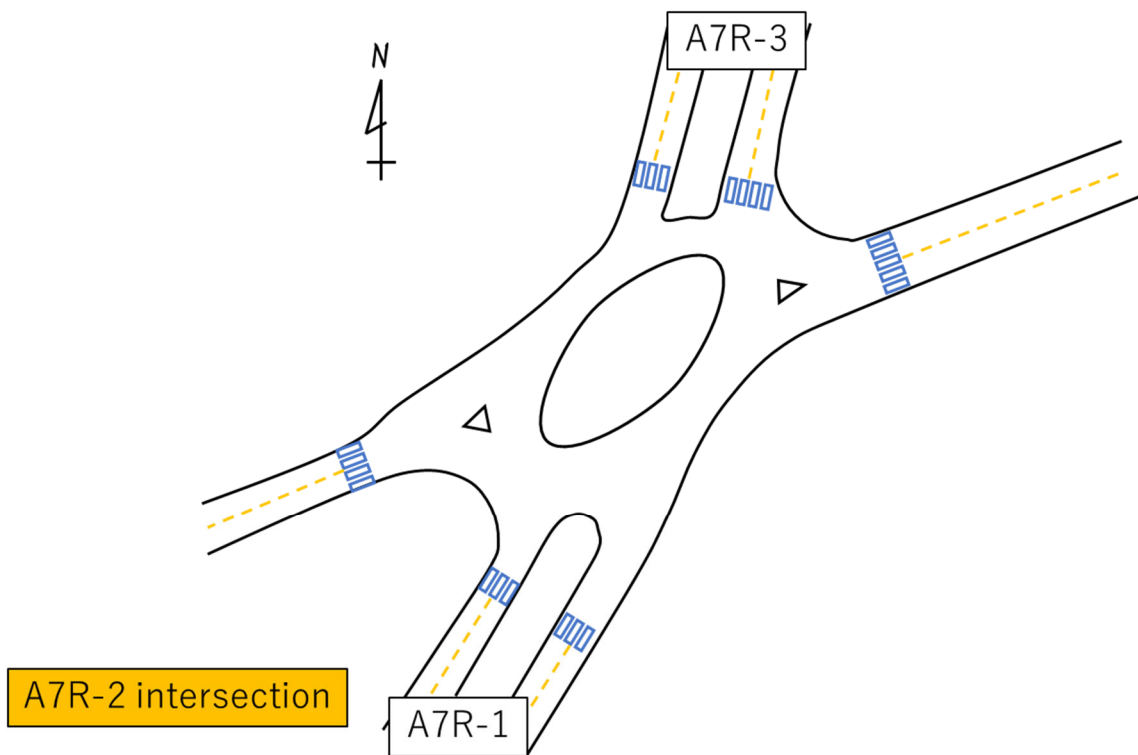
A7-7 intersection

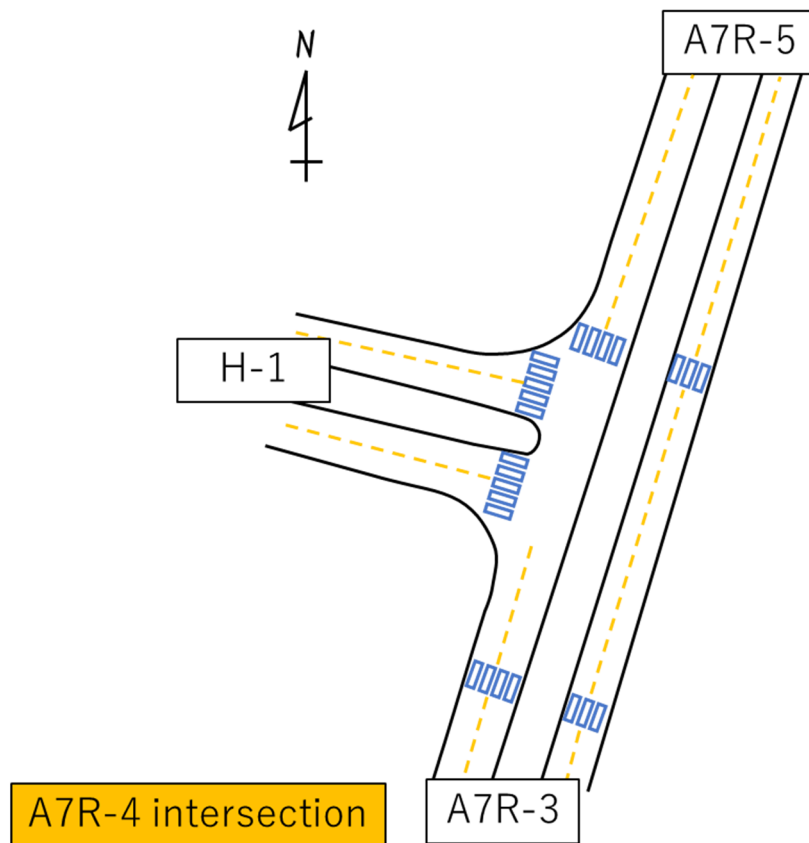
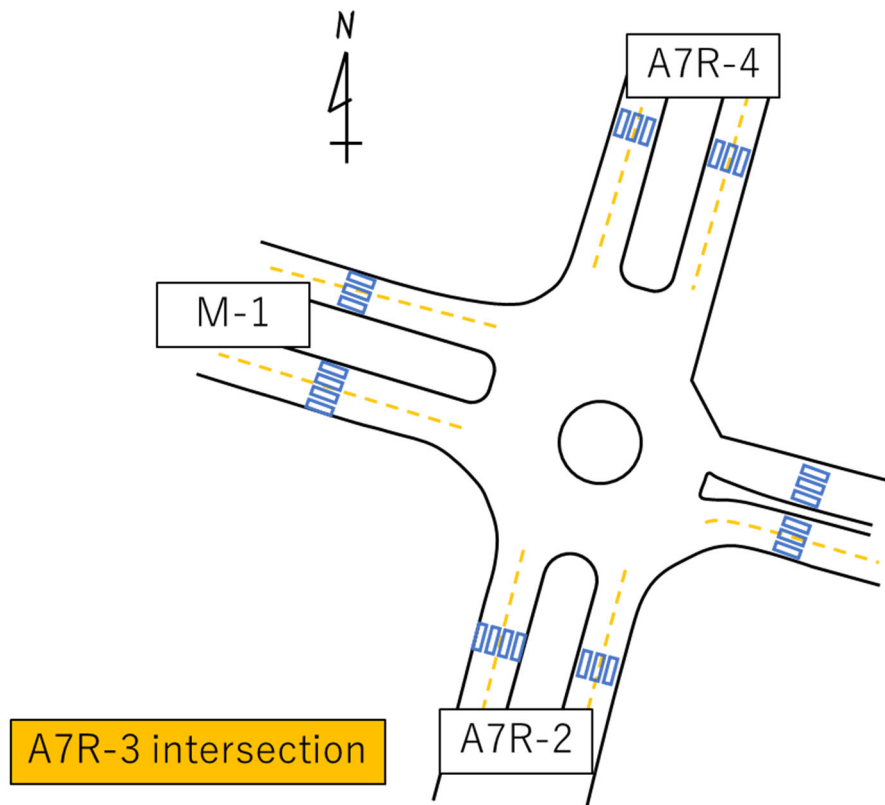


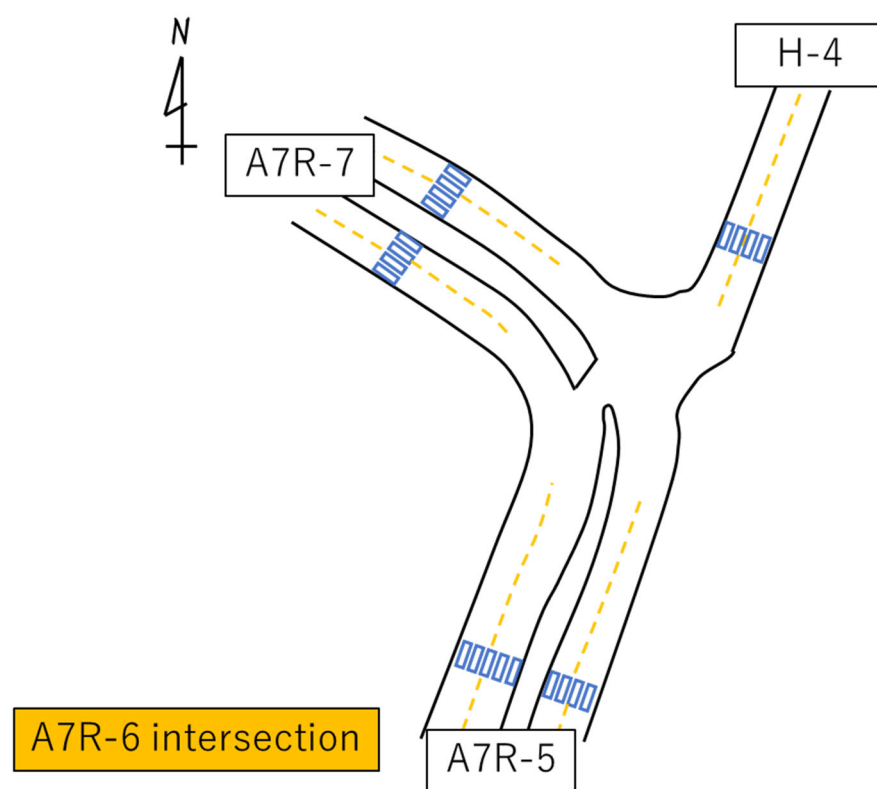
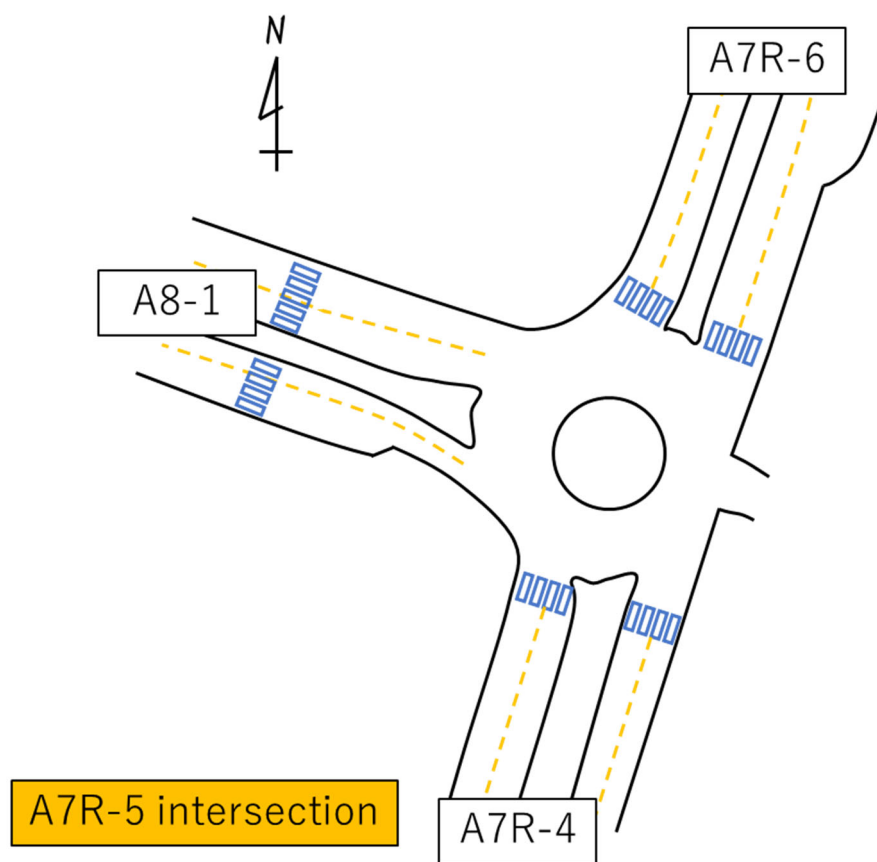
A7-8 intersection

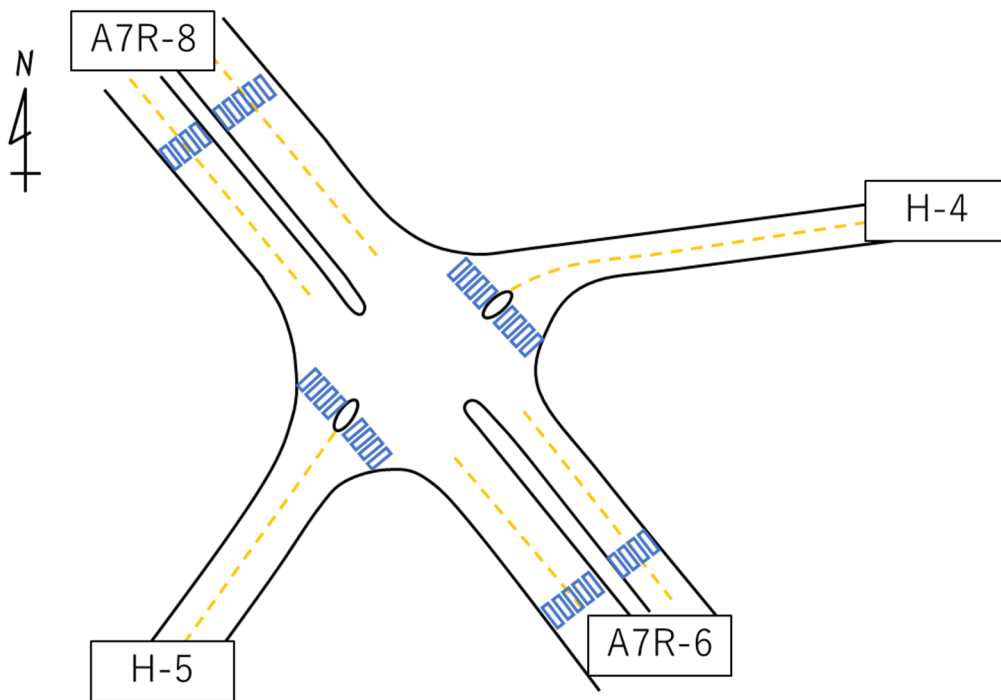


A7-9 intersection

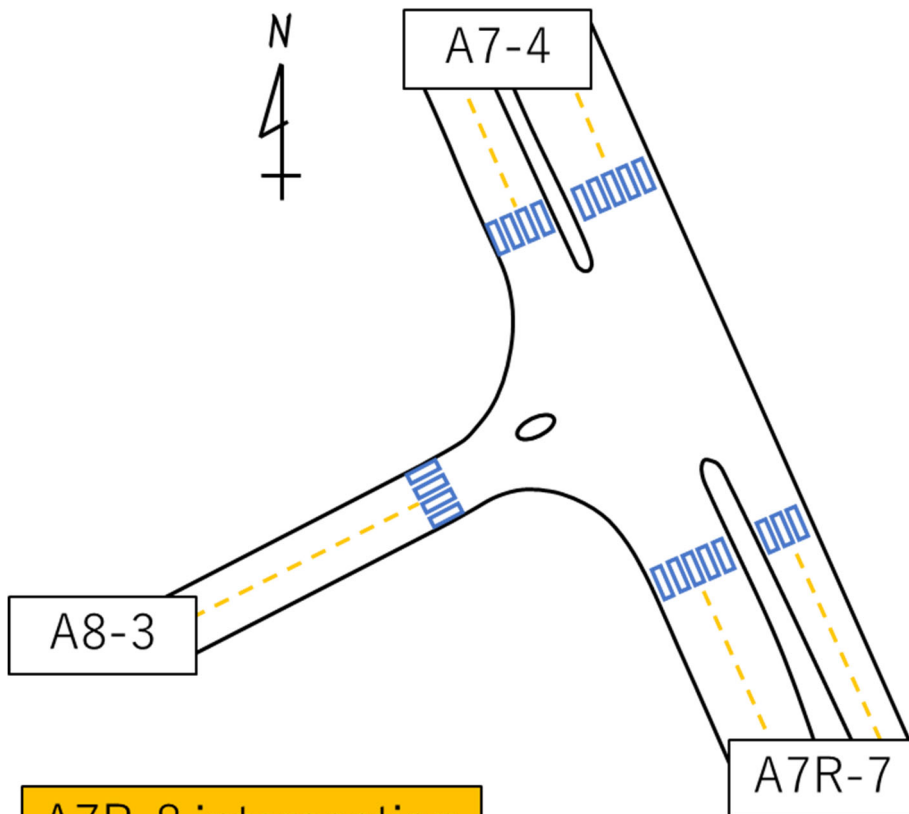




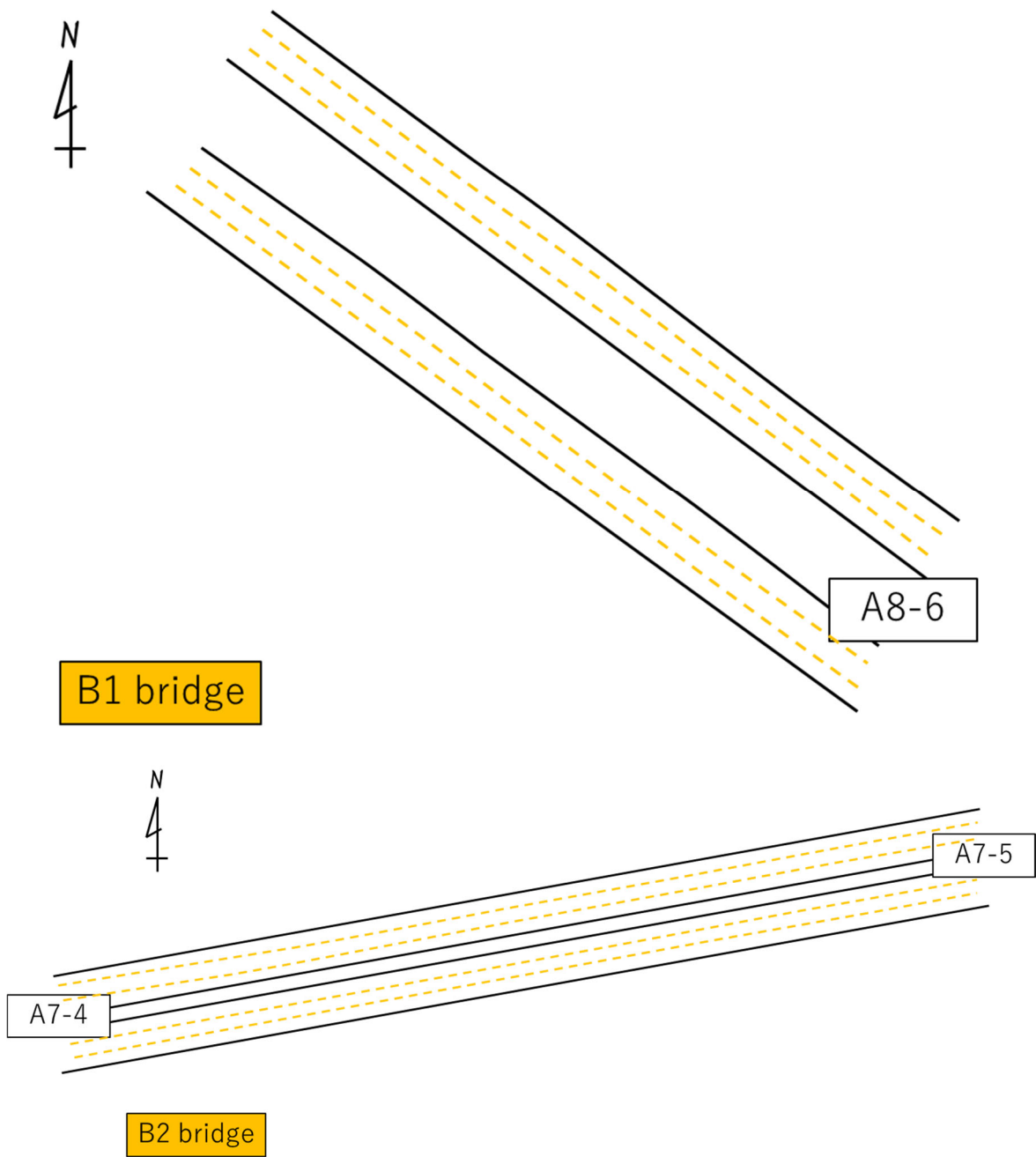


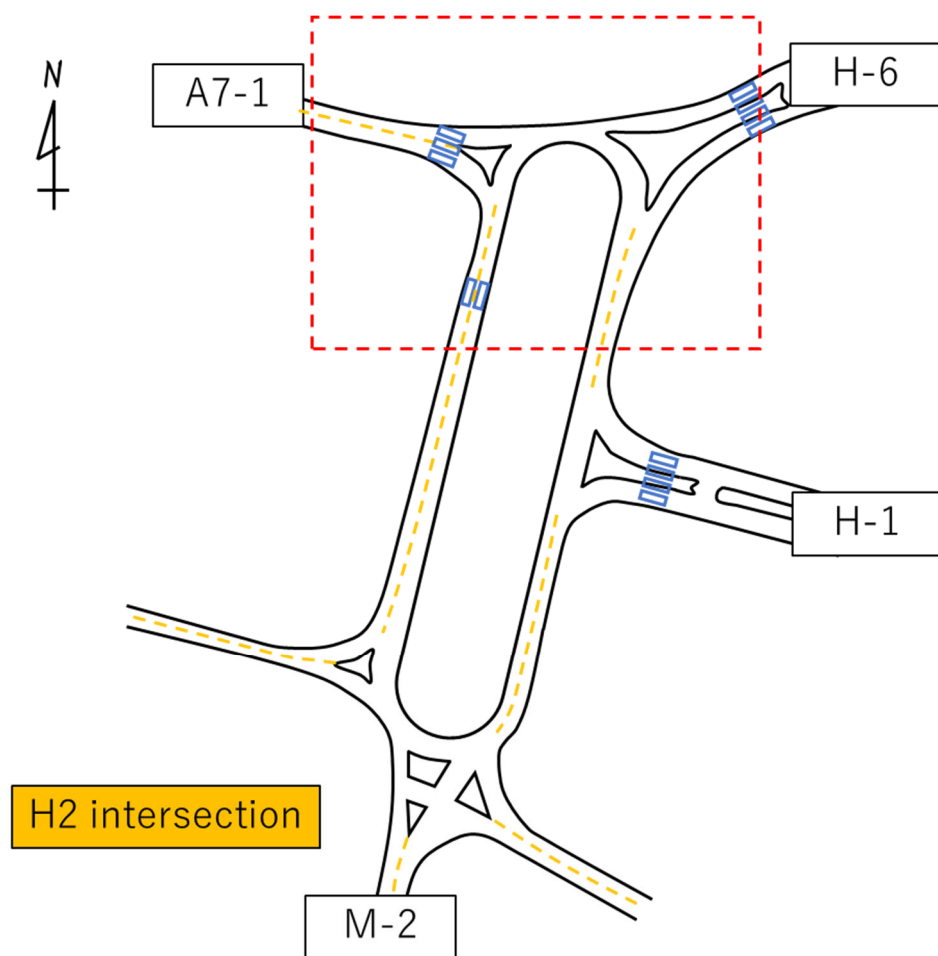
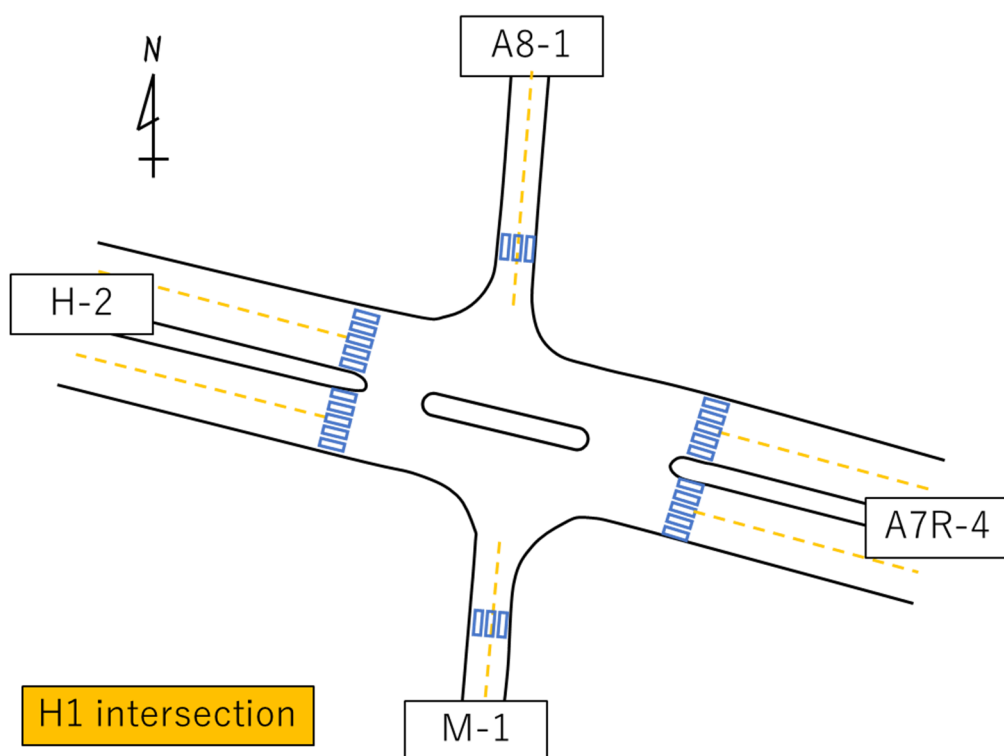


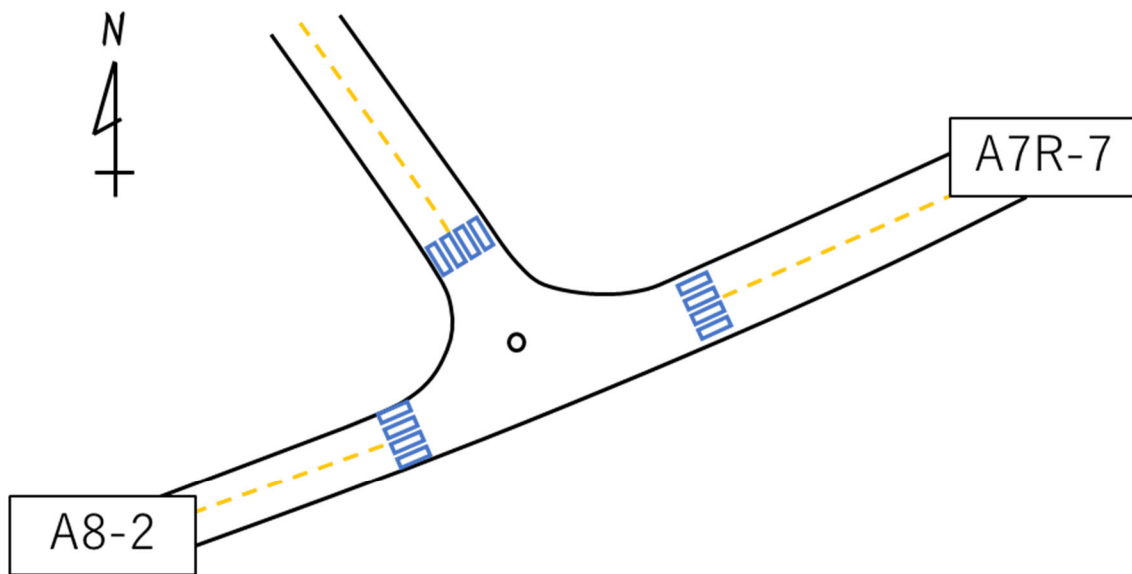
A7R-7 intersection



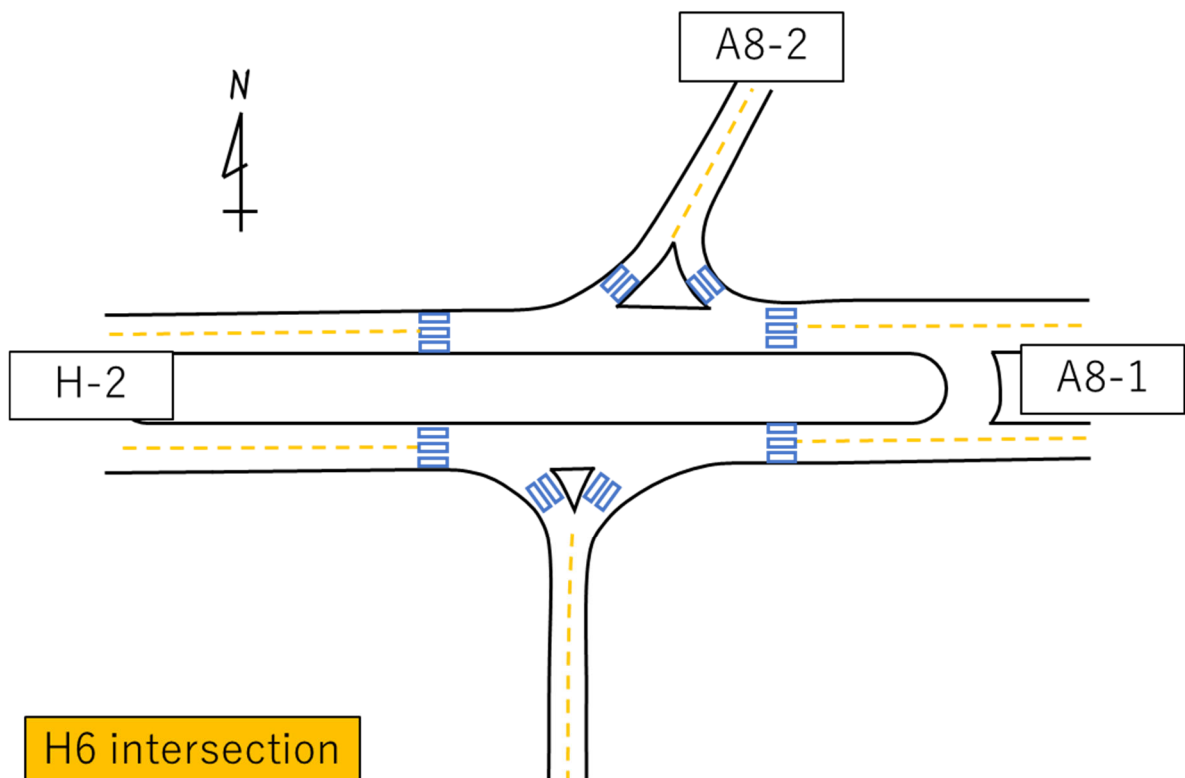
A7R-8 intersection



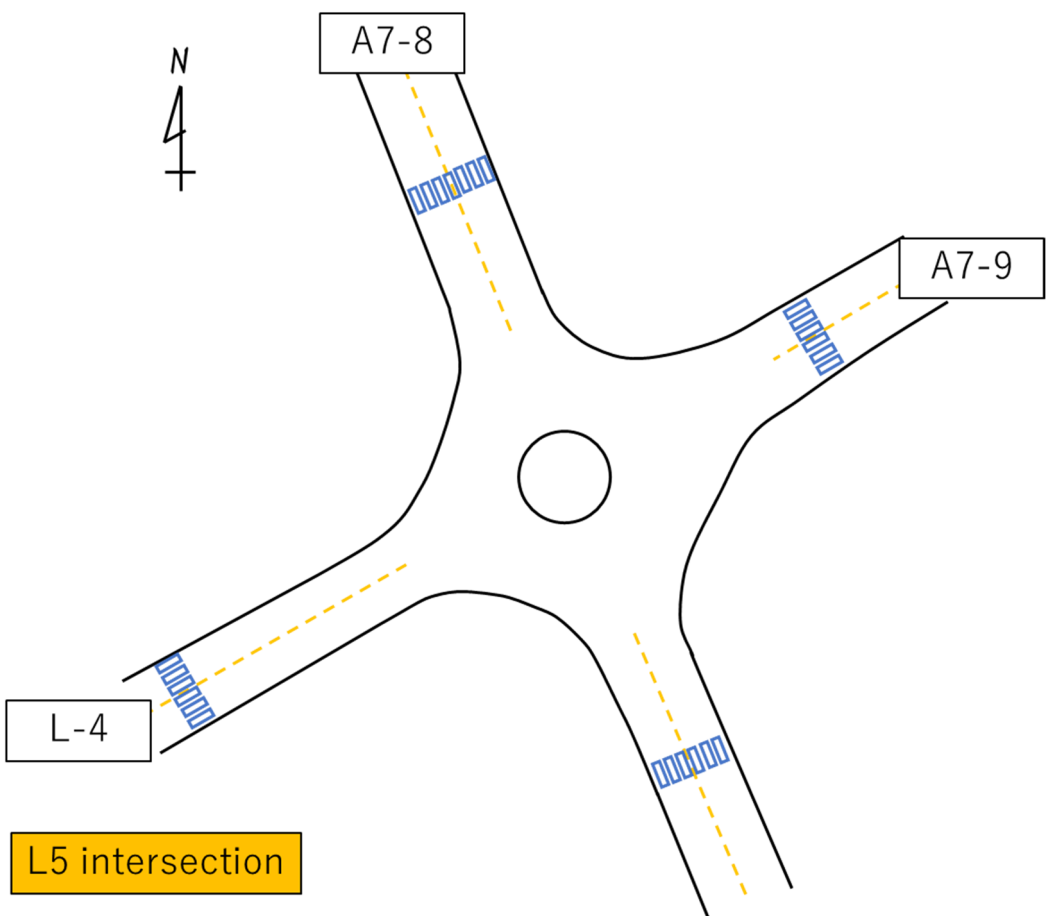
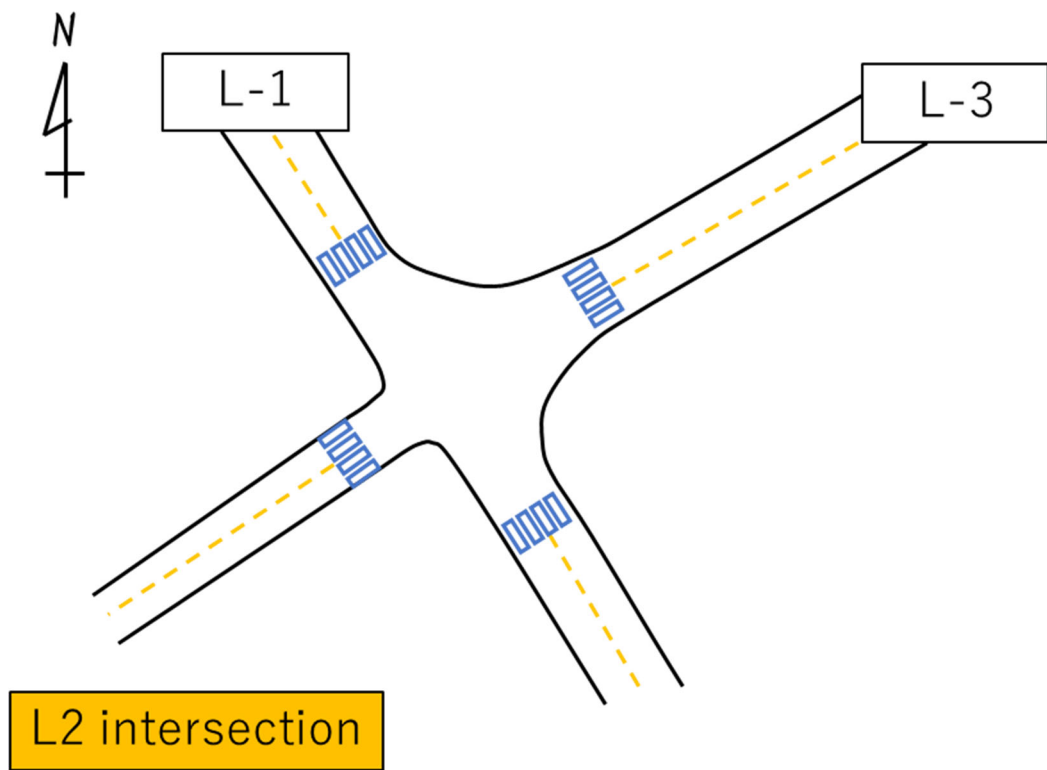


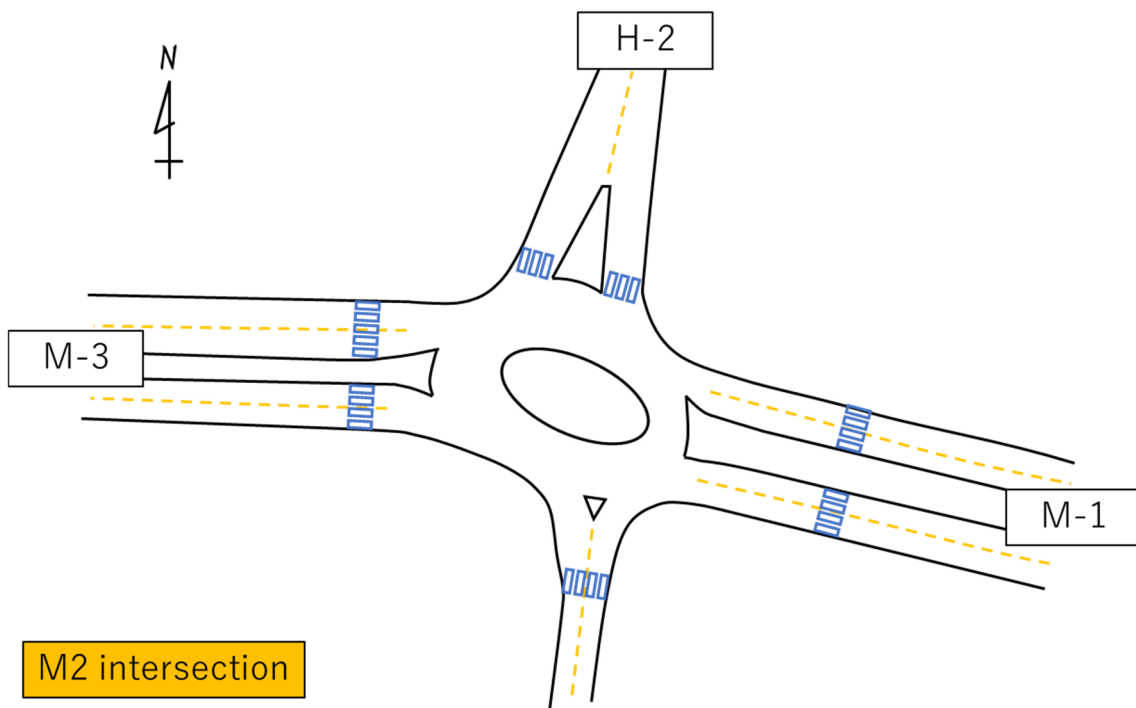
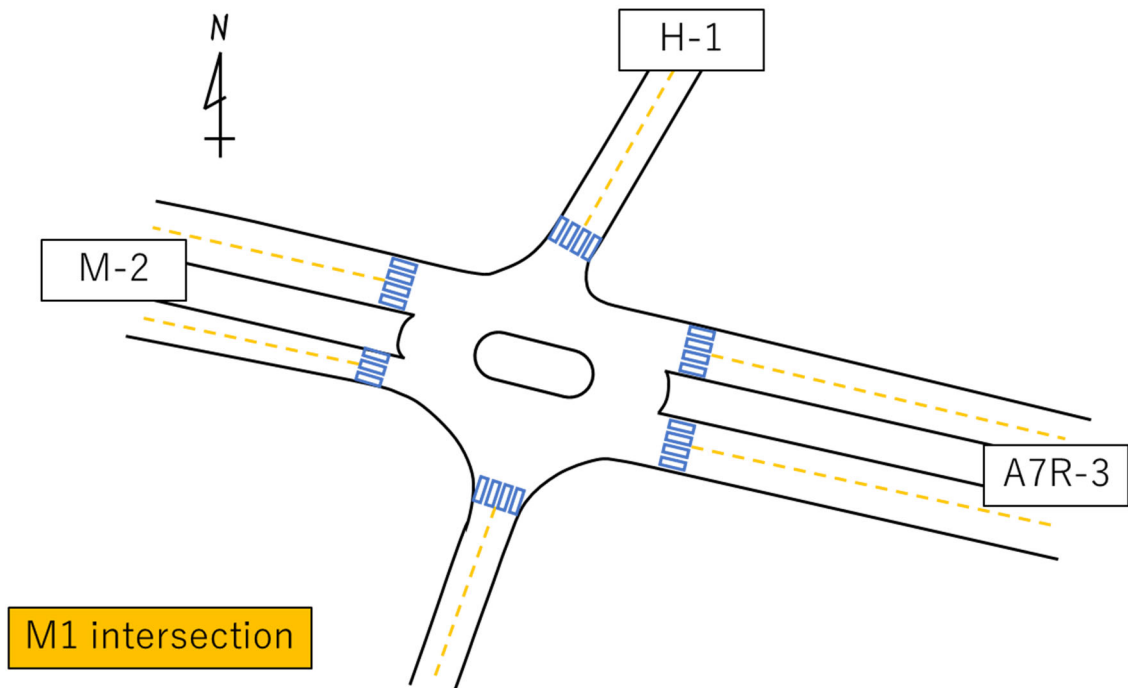


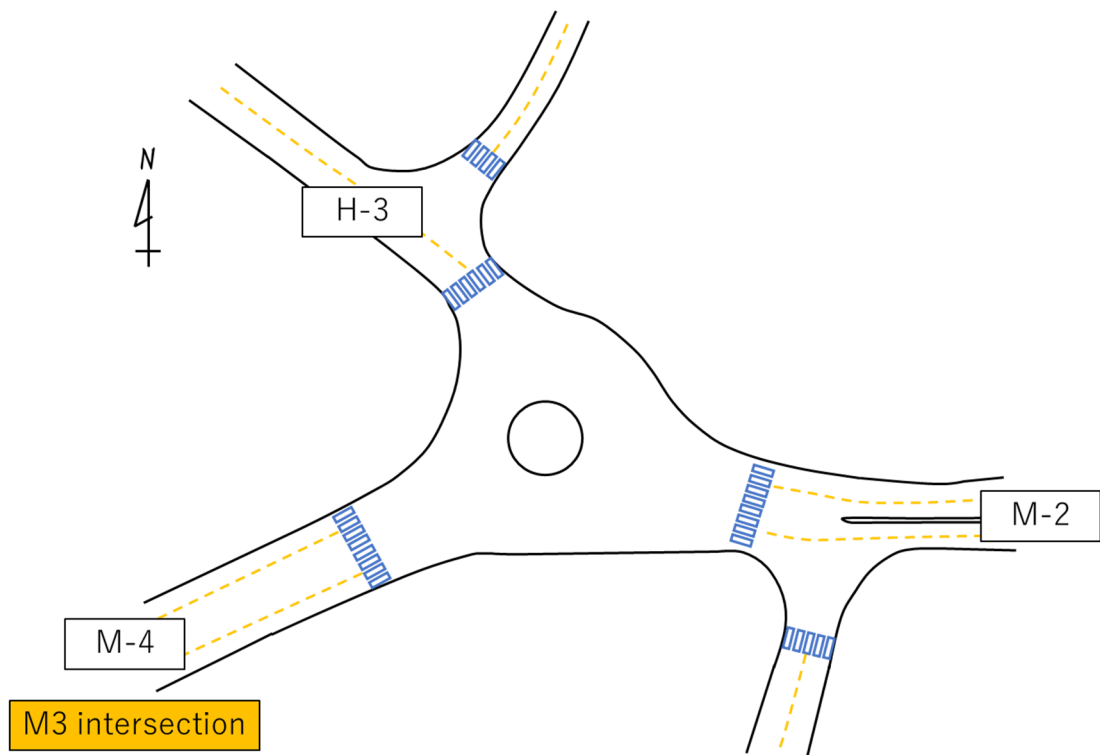
H5 intersection



H6 intersection







2. Traffic Volume Count

The results of the traffic volume count survey are shown in the tables below with the outlines of the intersections. The tables have 4 sections.

outline of the intersections	weekday and holiday hourly traffic
photo of the intersections	traffic volume by direction per an hour (upper: weekday, lower: holiday) *weekday: average of data of 5 weekdays is used holiday: data of 1 weekend is used

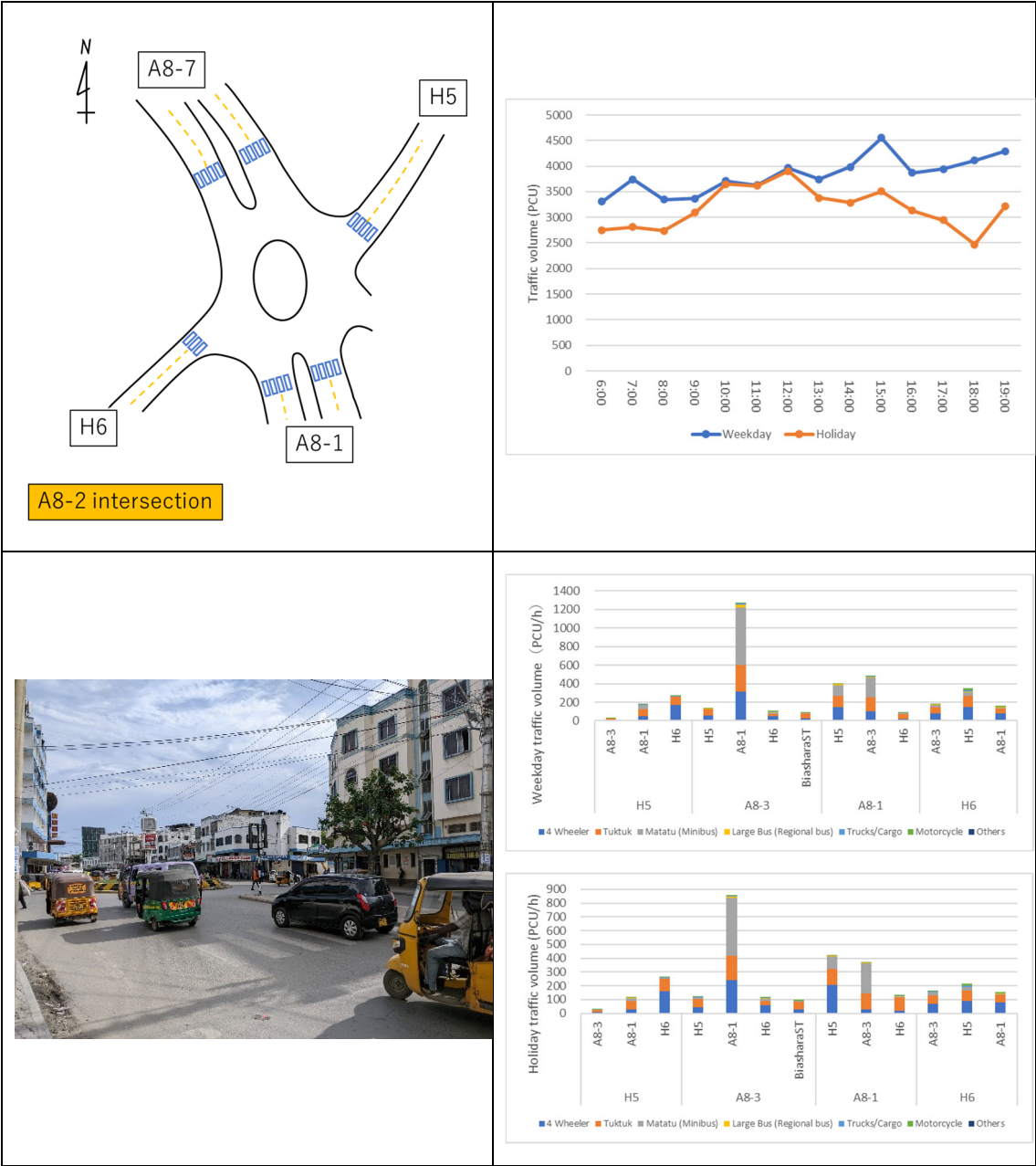
For PCU values for each type of vehicles are set as shown below.

4 wheeler	Tuktuk	Matatu (Minibus)	Large bus (Regional bus)	Trucks /Cargo	Motorcycle
1.00	0.75	1.20	1.50	1.50	0.50

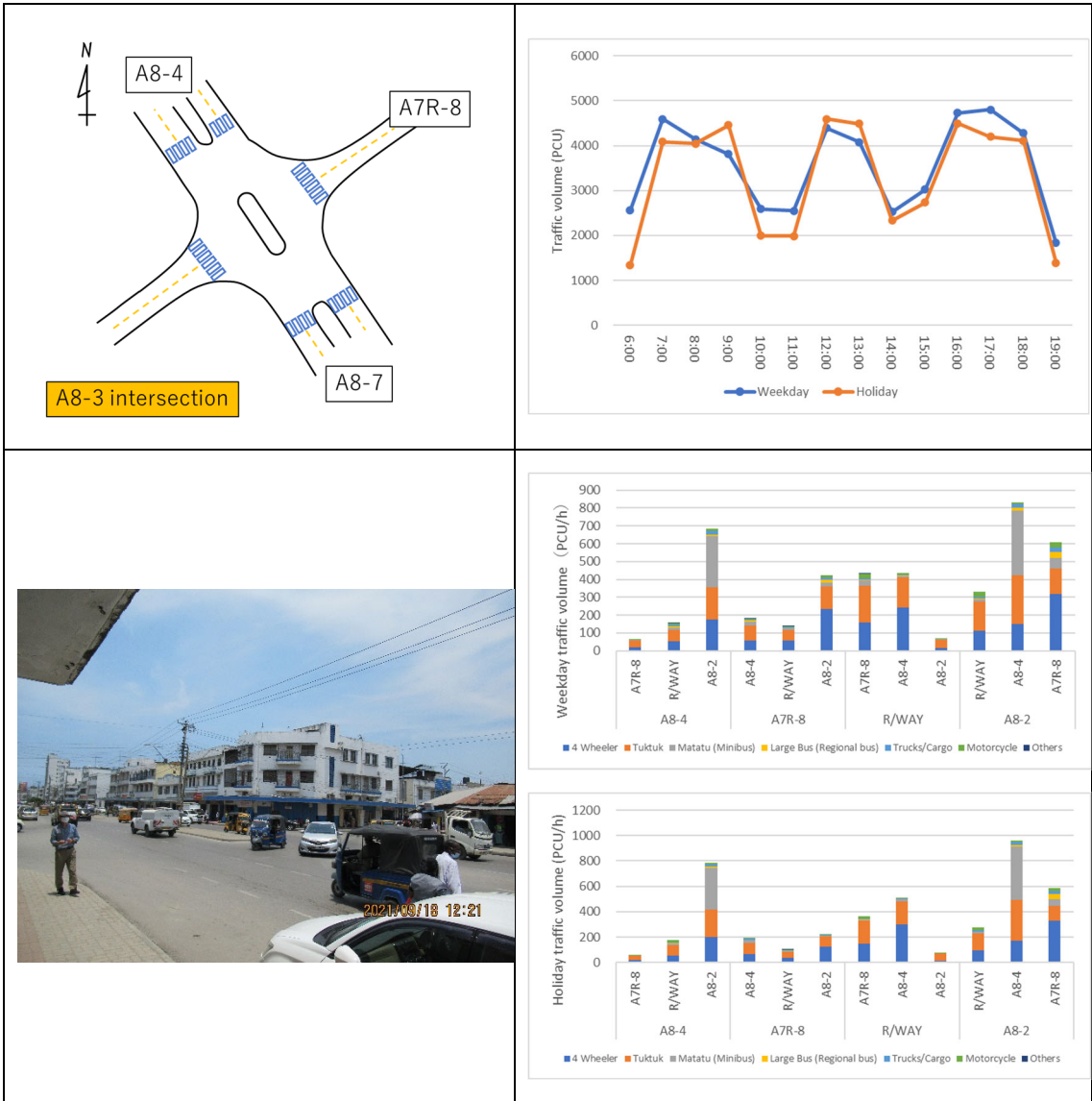
A8-1



A8-2



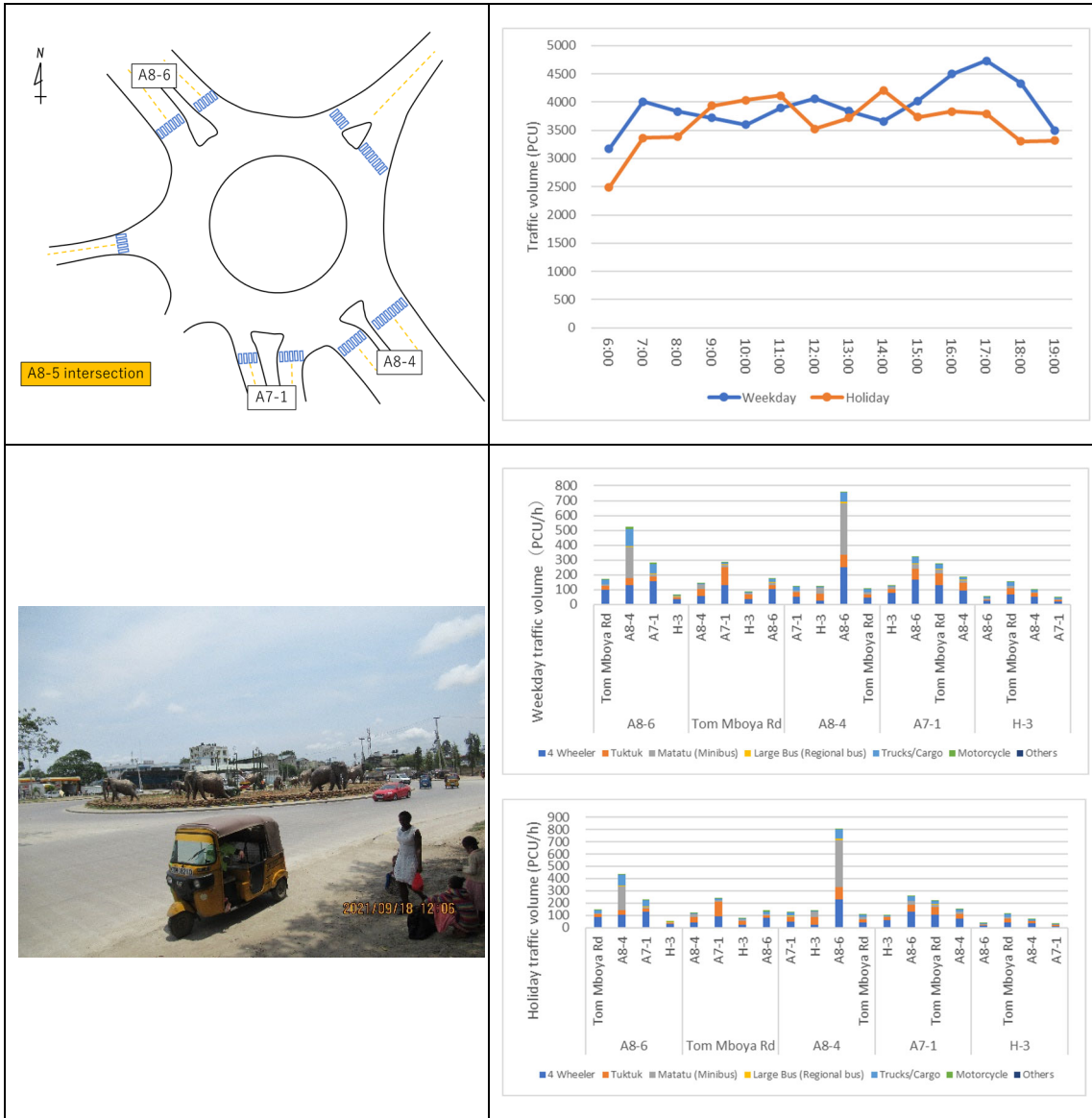
A8-3



A8-4



A8-5



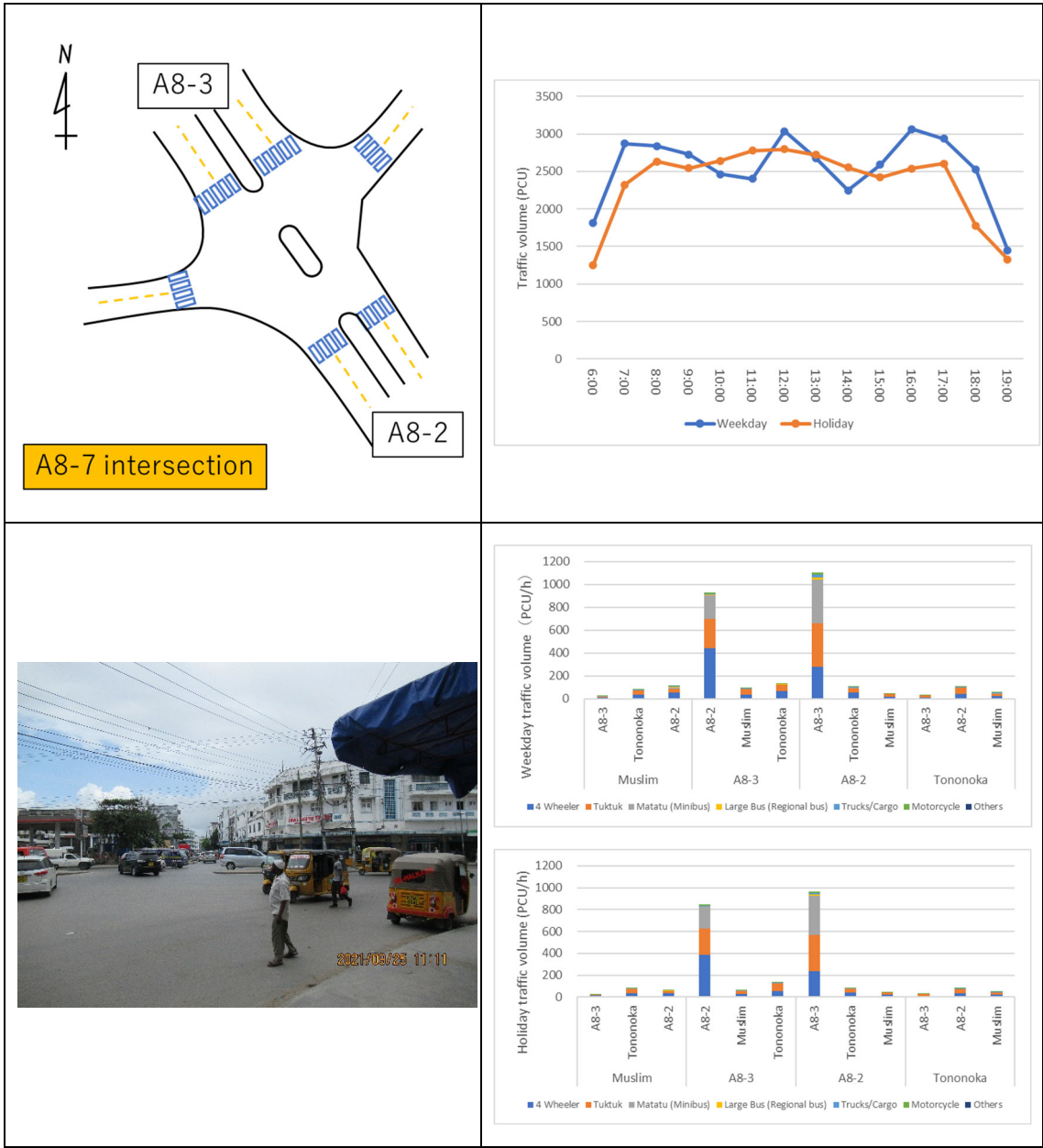
A8-6



Approach	4 Wheeler	Tuktuk	Matatu (Minibus)	Large Bus (Regional bus)	Trucks/Cargo	Motorcycle	Others
H3	100	50	50	0	0	0	0
B1	550	100	400	0	0	50	0
B1	50	20	20	0	0	0	0
A8-5	350	100	200	0	0	50	0
EAST	50	20	20	0	0	0	0
A8-5	50	20	20	0	0	0	0

Approach	4 Wheeler	Tuktuk	Matatu (Minibus)	Large Bus (Regional bus)	Trucks/Cargo	Motorcycle	Others
H3	100	50	50	0	0	0	0
B1	500	100	400	0	0	50	0
B1	50	20	20	0	0	0	0
A8-5	350	100	200	0	0	50	0
EAST	50	20	20	0	0	0	0
A8-5	50	20	20	0	0	0	0

A8-7



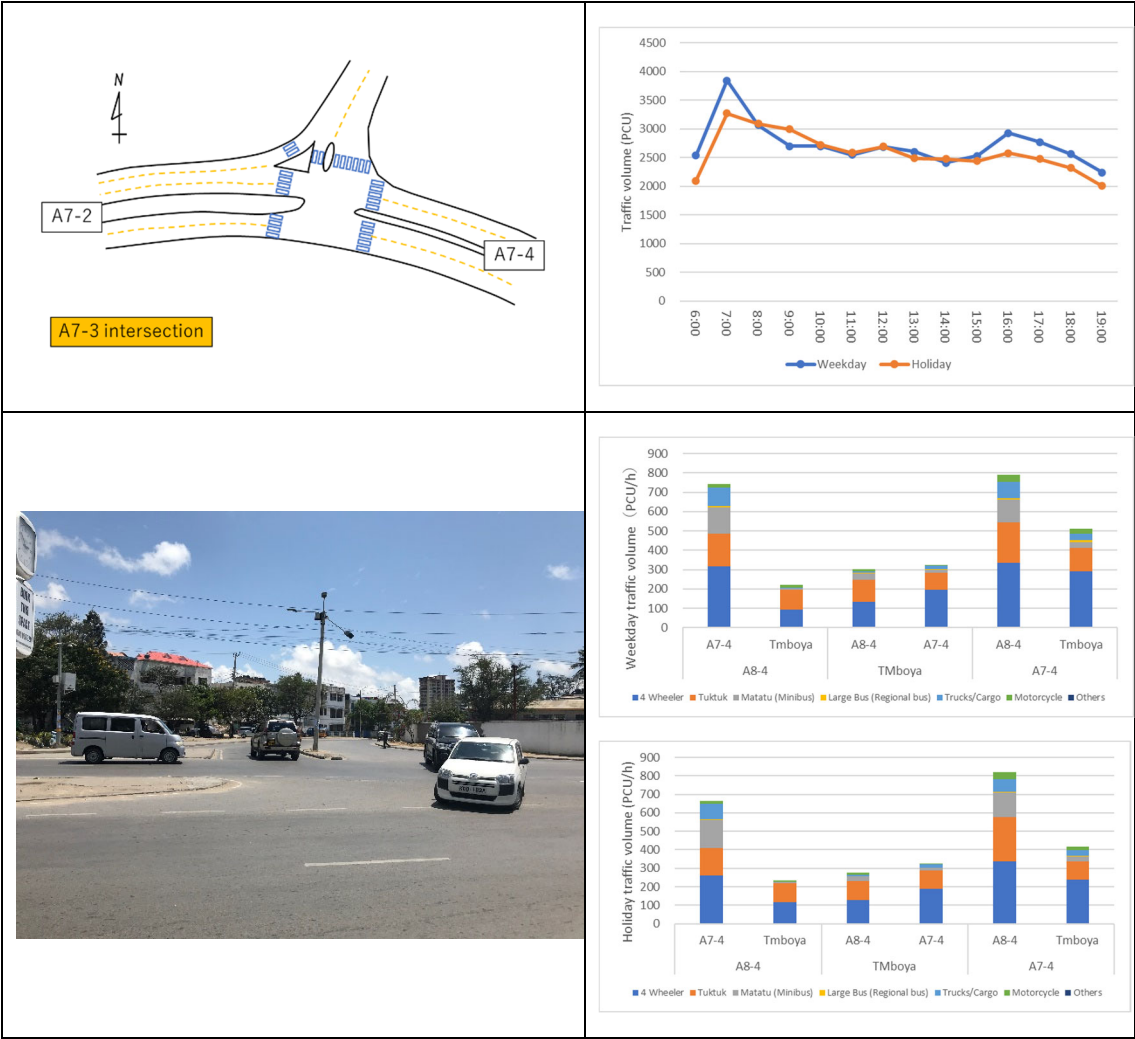
A7-1



A7-2



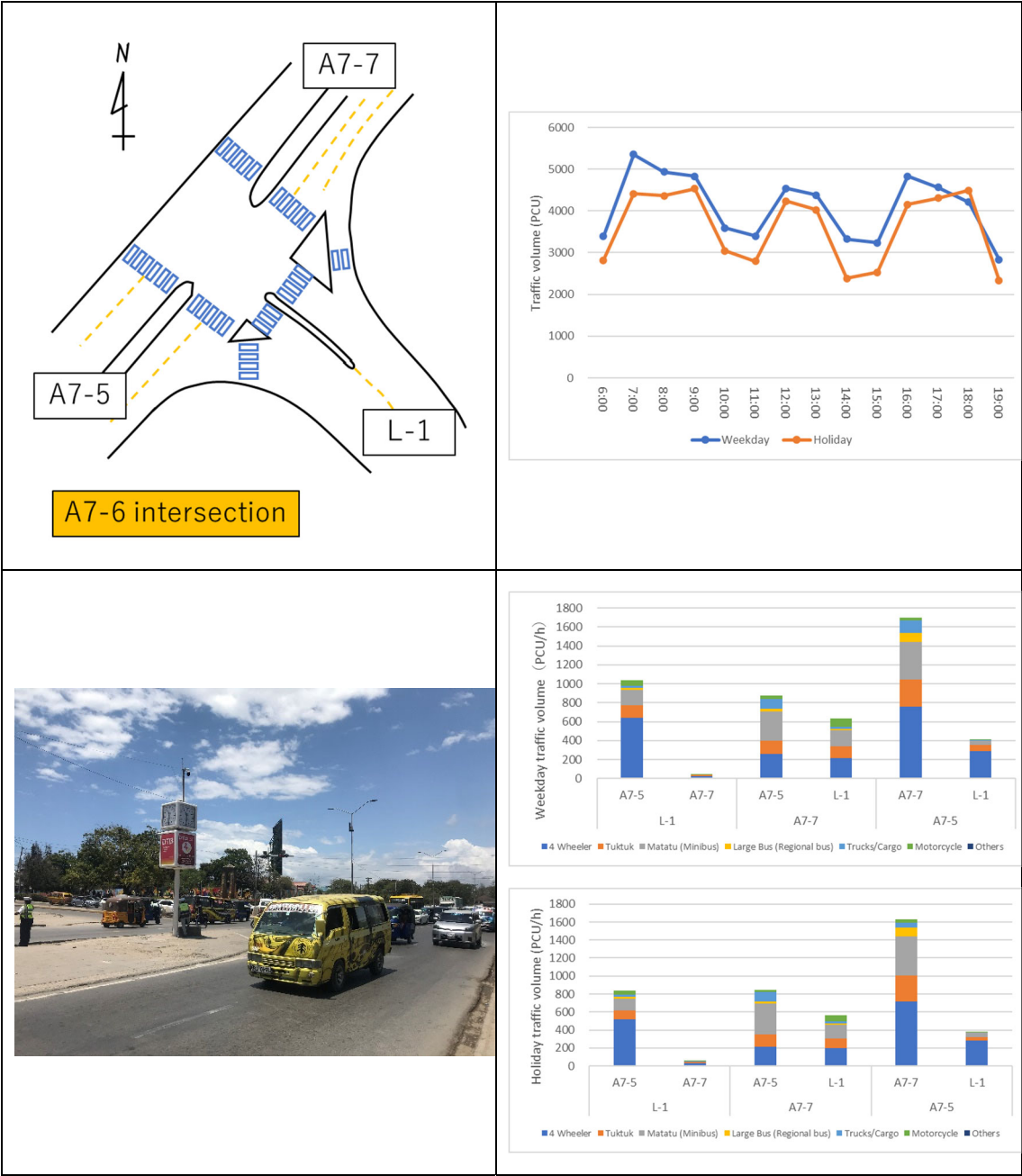
A7-3



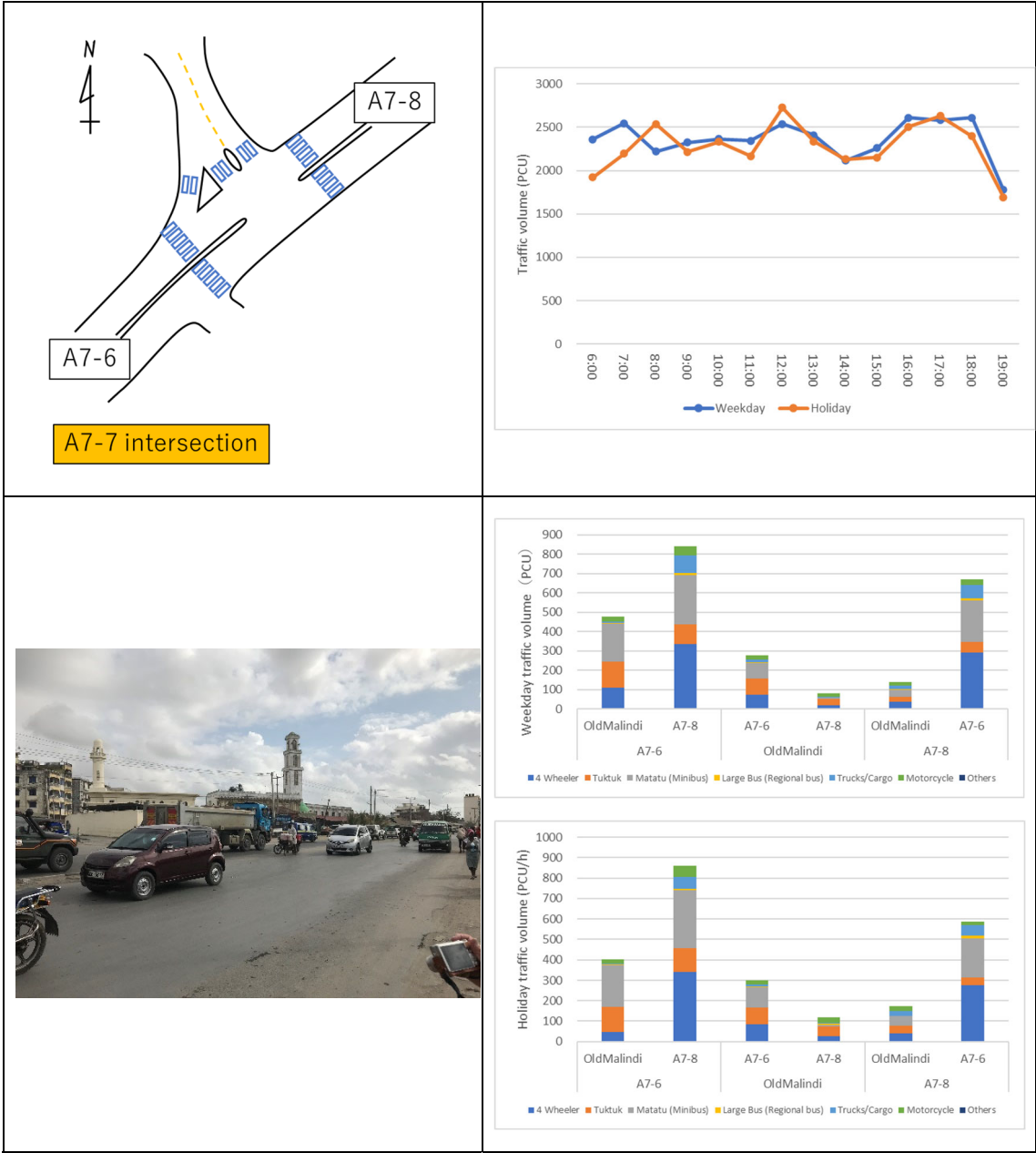
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A7-6



A7-7



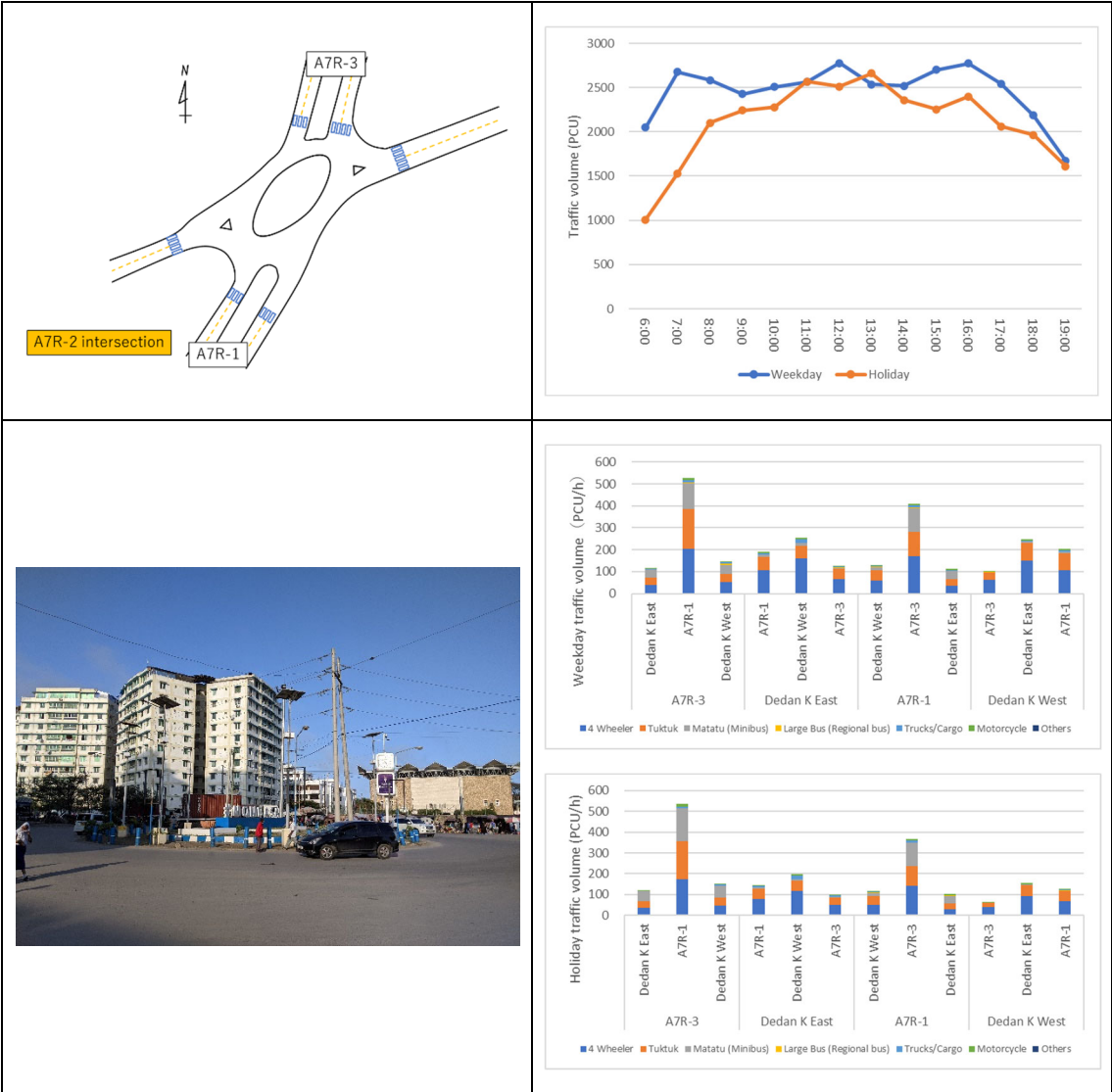
A7-8



A7-9



A7R-2



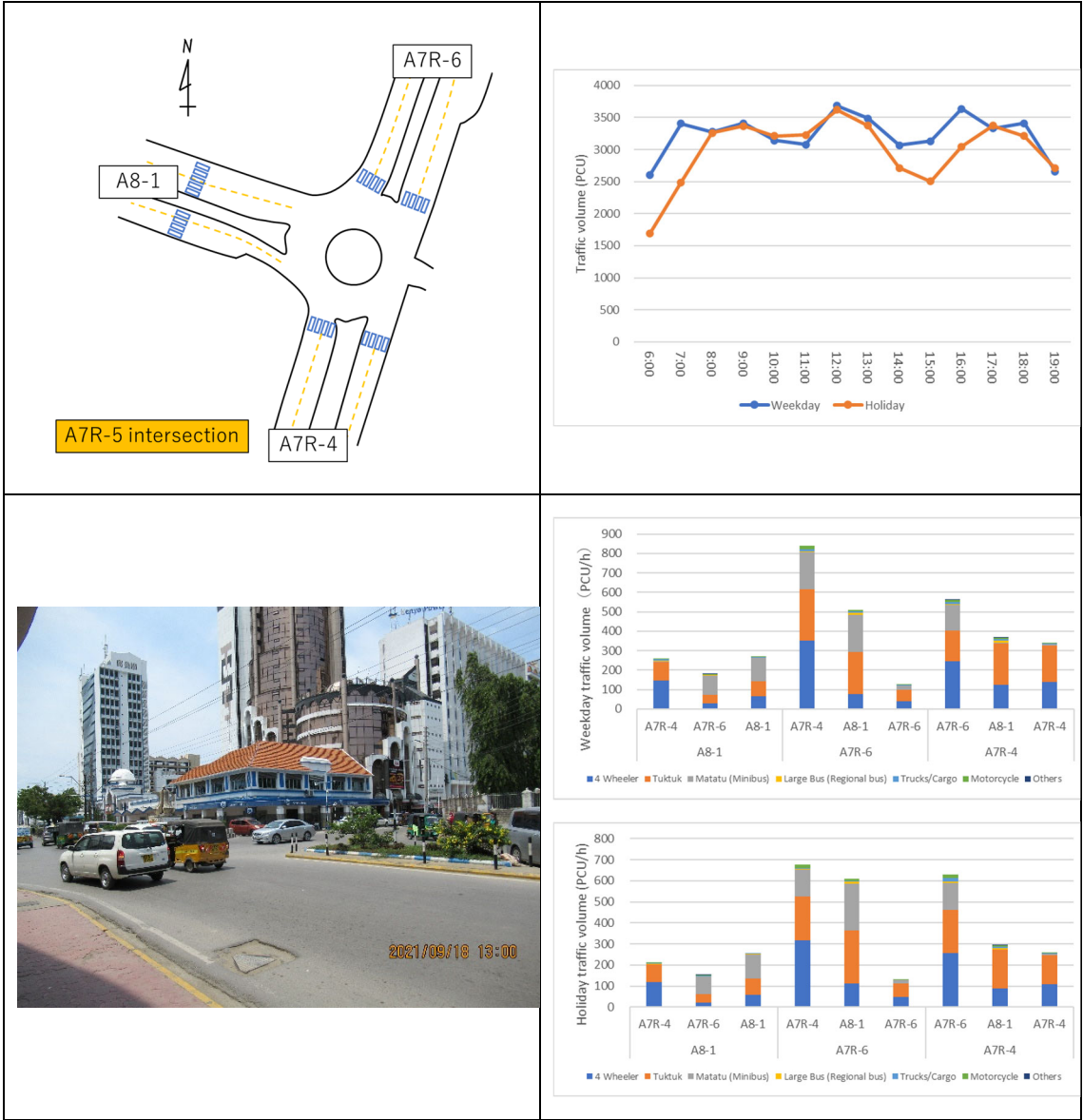
A7R-3



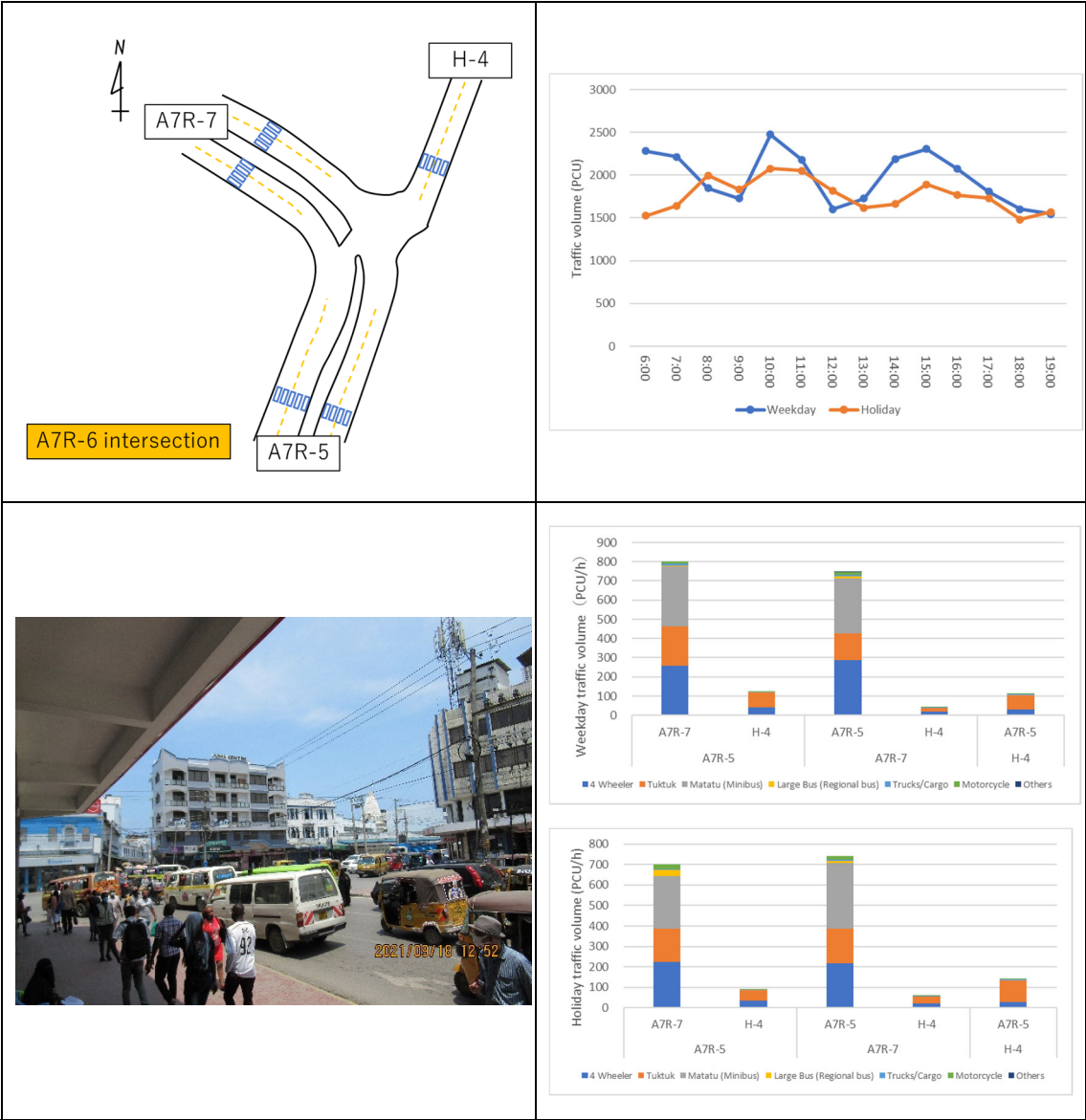
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A7R-5



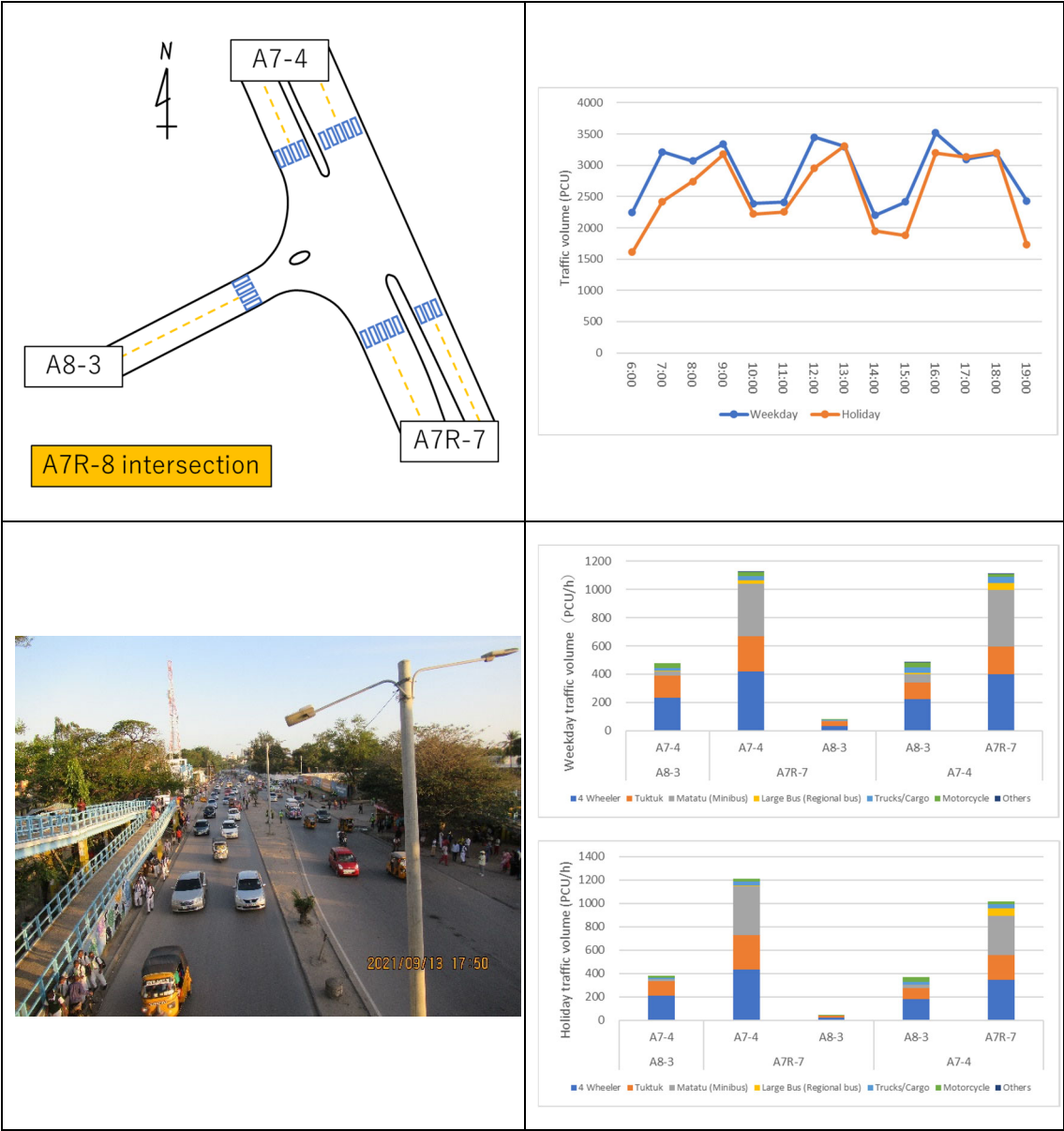
A7R-6



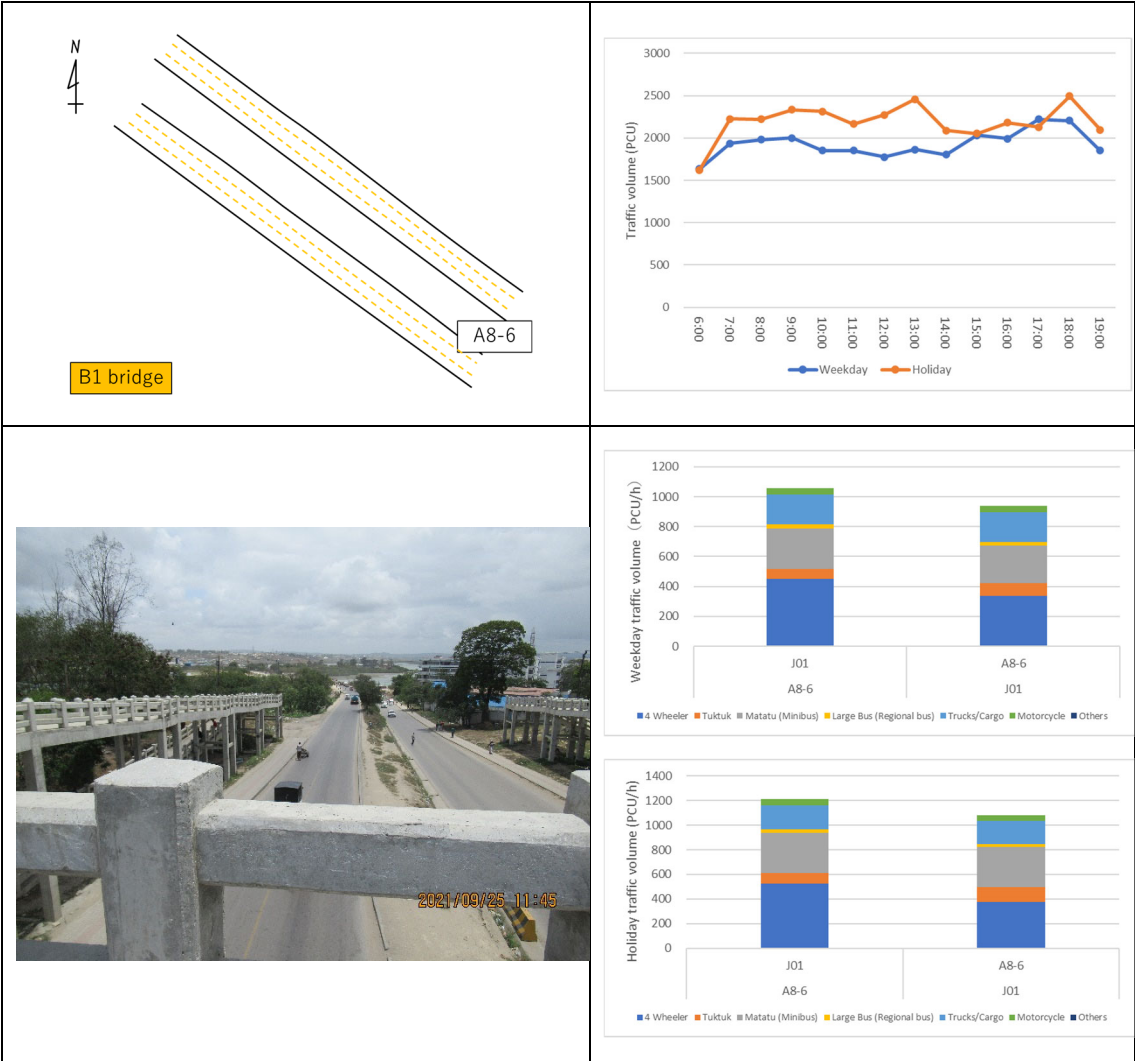
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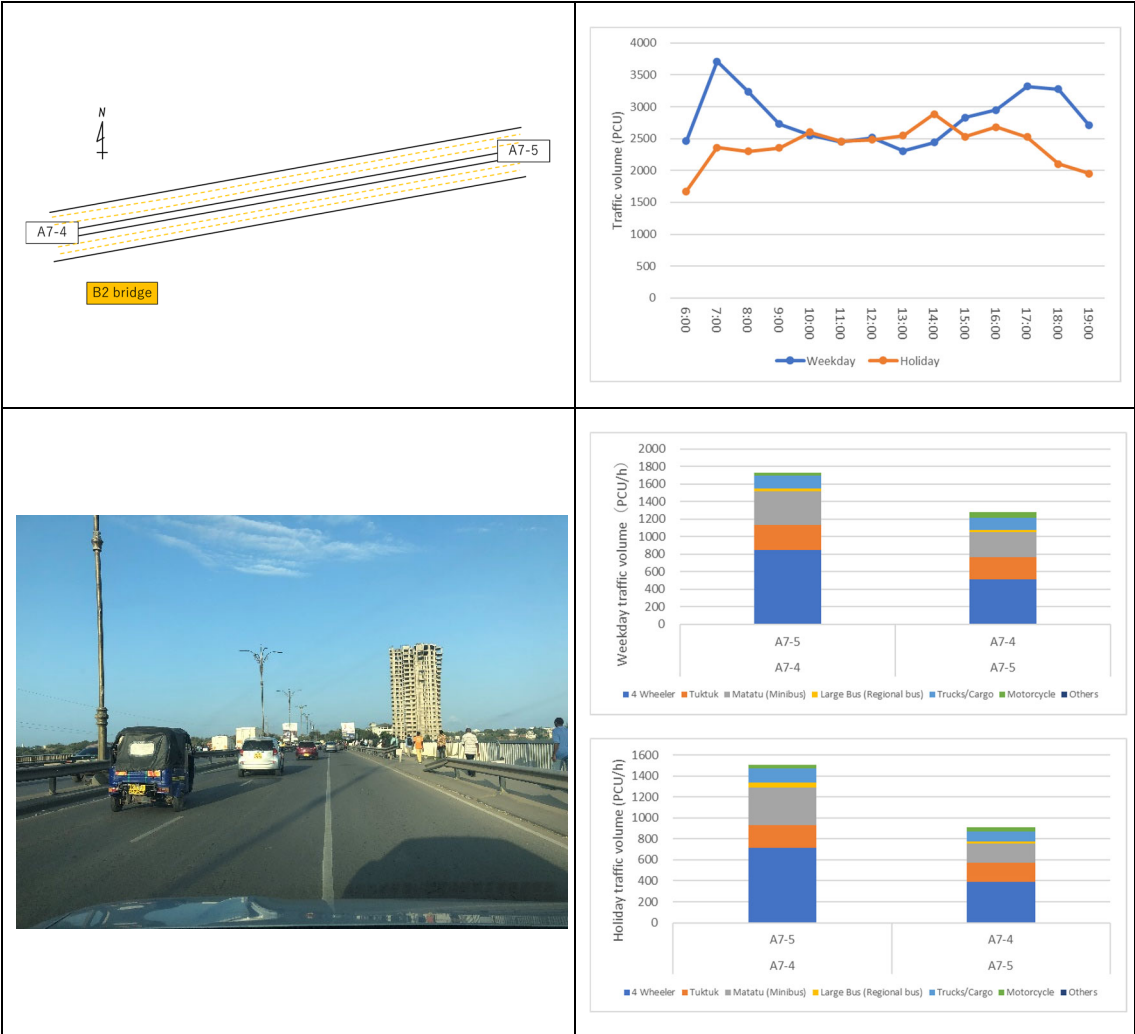


A7R-8



B1

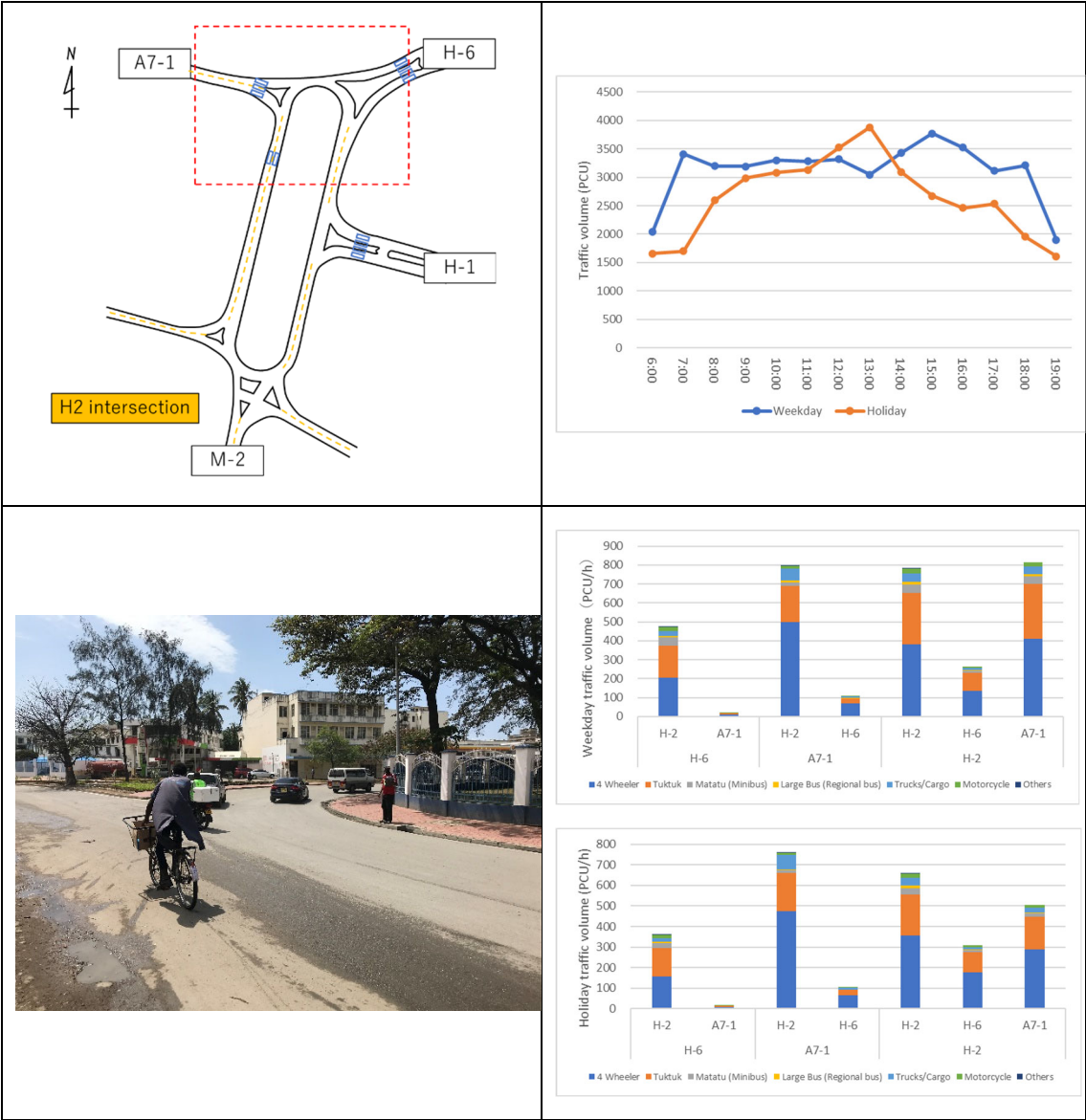




H1



H2



H5



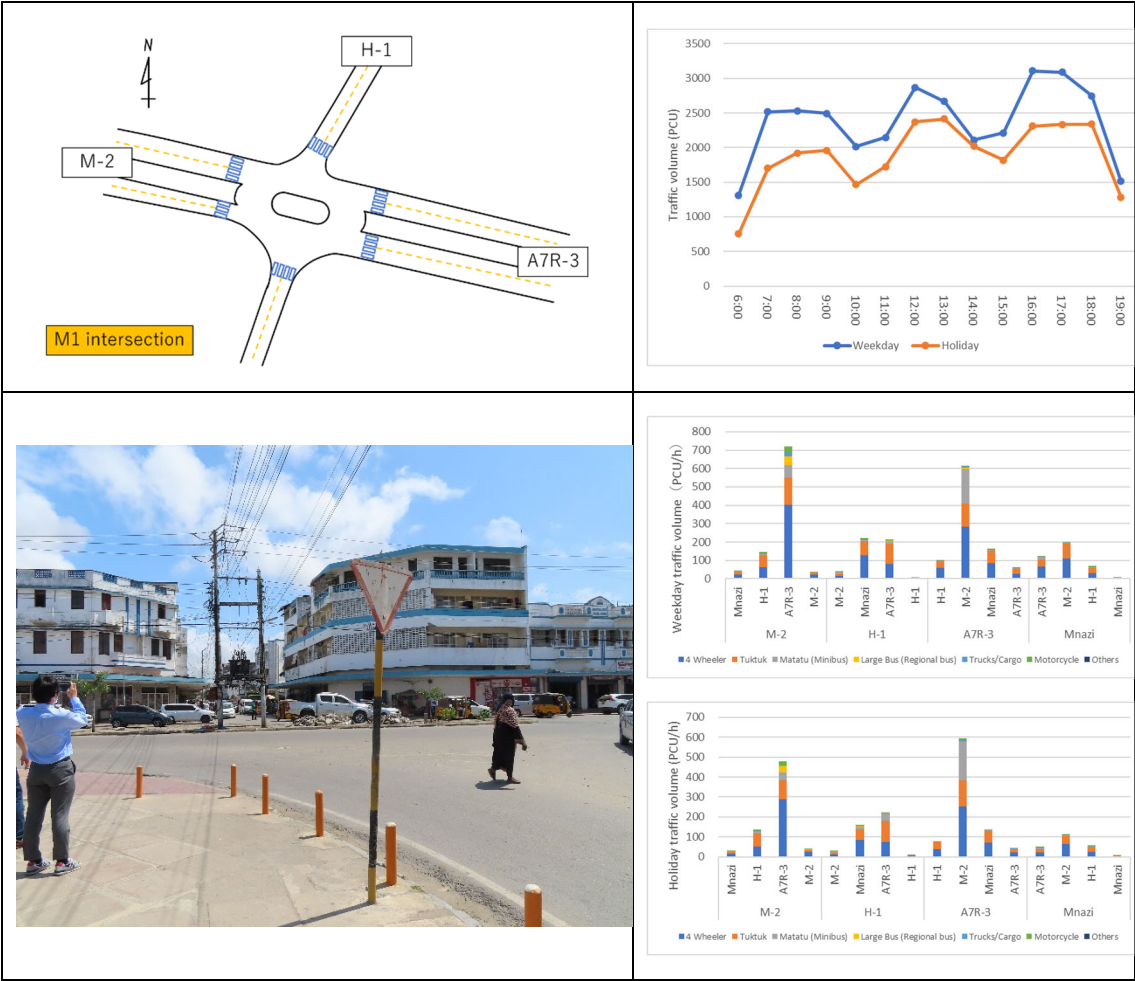


L2





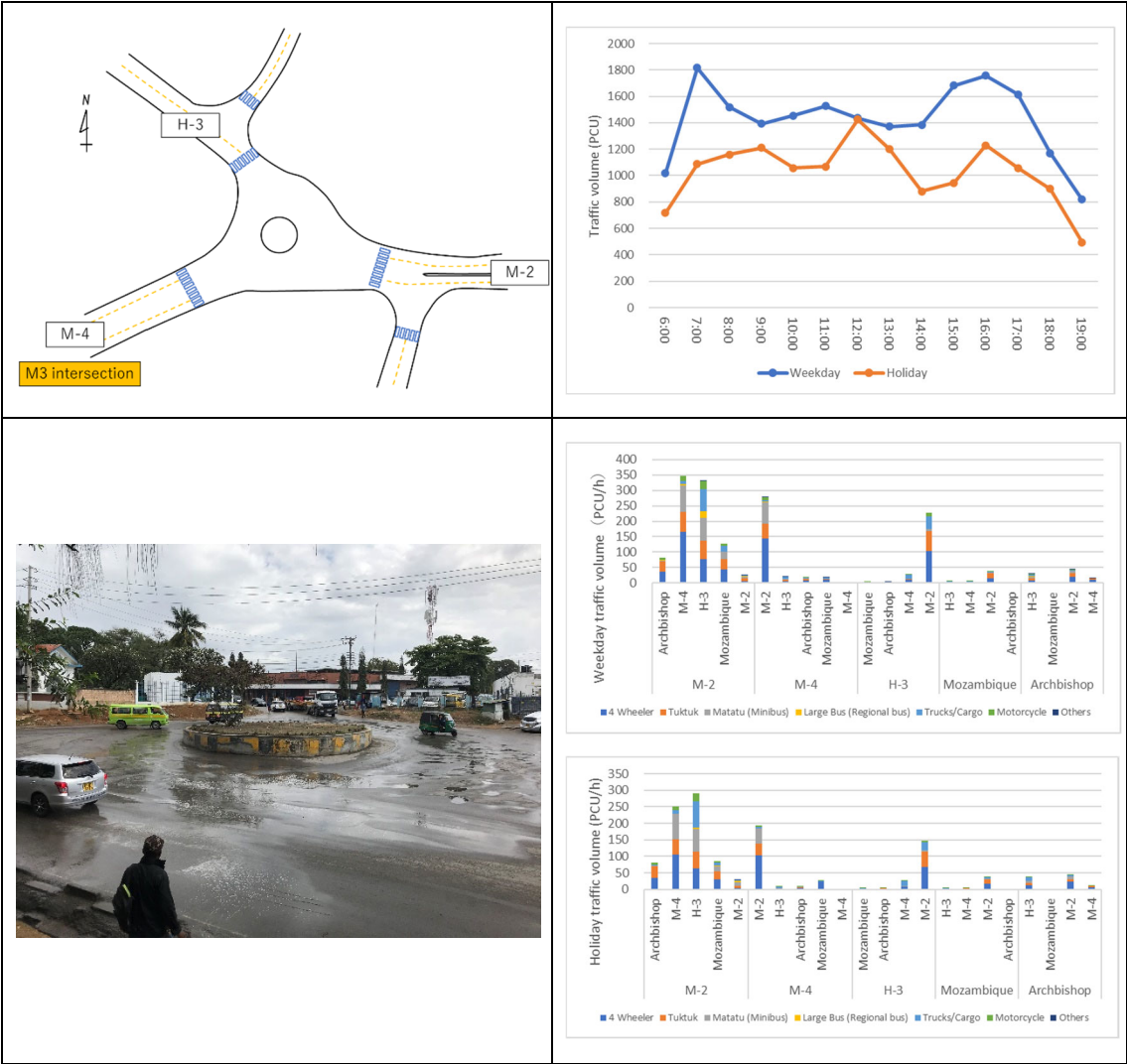
M1



M2



M3



3. Pedestrian Volume Count

Pedestrian volume (A8-1)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	2,562	3,294	3,441	3,176	3,264	3,393	4,482	4,529	28,141
17 Sep	2,911	3,289	3,378	3,933	3,853	3,983	5,099	4,761	31,207
18 Sep	3,090	3,338	3,419	3,951	3,835	3,475	4,056	3,800	28,964
20 Sep	3,017	3,265	3,713	3,627	3,902	3,762	3,972	4,254	29,512
21 Sep	2,924	3,195	3,384	3,506	3,688	3,745	4,335	4,006	28,783
22 Sep	2,956	3,106	3,166	3,627	3,456	3,472	4,345	4,007	28,135
Total	17,460	19,487	20,501	21,820	21,998	21,830	26,289	25,357	174,742

Pedestrian volume (A8-2)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	1,674	1,495	1,506	1,501	1,458	1,831	2,329	2,153	13,947
17 Sep	1,809	1,664	1,727	2,104	1,929	2,153	2,373	2,153	15,912
18 Sep	1,616	1,554	1,795	2,118	1,845	1,903	1,528	1,682	14,041
20 Sep	1,755	1,702	1,666	2,051	1,916	2,130	2,232	2,090	15,542
21 Sep	1,627	1,555	1,524	1,881	1,561	2,061	2,220	1,980	14,409
22 Sep	1,611	1,559	1,527	1,914	1,748	2,225	2,038	1,850	14,472
Total	10,092	9,529	9,745	11,569	10,457	12,303	12,720	11,908	88,323

Pedestrian volume (A8-3)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	2,588	2,514	1,995	1,945	1,695	2,264	2,616	2,174	17,791
17 Sep	2,280	2,534	2,384	2,143	1,966	2,257	2,572	2,852	18,988
18 Sep	2,134	1,835	1,902	1,691	1,699	1,805	1,697	1,455	14,218
20 Sep	2,182	1,746	2,058	1,932	1,981	2,078	2,506	2,276	16,759
21 Sep	1,964	2,243	1,988	1,785	1,754	2,096	2,675	2,136	16,641
22 Sep	2,082	2,069	1,698	1,779	1,867	1,924	2,196	2,266	15,881
Total	13,230	12,941	12,025	11,275	10,962	12,424	14,262	13,159	100,278

Pedestrian volume (A8-4)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	3,364	2,468	2,049	892	922	2,854	3,237	3,498	19,284
17 Sep	4,905	3,977	2,993	1,686	1,558	3,699	3,724	3,725	26,267
18 Sep	3,376	2,604	1,675	1,410	1,432	2,059	2,193	2,985	17,734
20 Sep	2,326	2,449	2,155	1,874	2,238	3,000	3,374	3,642	21,058
21 Sep	3,213	2,946	2,821	2,428	2,042	2,847	3,147	3,460	22,904
22 Sep	2,936	3,101	2,597	2,324	2,118	2,551	2,725	2,889	21,241
Total	20,120	17,545	14,290	10,614	10,310	17,010	18,400	20,199	128,488

Pedestrian volume (A8-5)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,437	1,342	1,196	953	939	1,624	2,341	1,814	11,646
21 Sep	1,753	1,257	962	780	828	1,578	2,224	2,135	11,517
22 Sep	1,649	1,186	1,100	878	752	1,633	1,989	1,936	11,123
23 Sep	1,843	1,276	1,026	773	843	1,436	2,269	1,953	11,419
24 Sep	1,986	1,227	1,074	928	726	1,424	2,208	1,725	11,298
25 Sep	1,731	1,268	981	922	1,078	1,328	1,703	1,807	10,818
Total	10,399	7,556	6,339	5,234	5,166	9,023	12,734	11,370	67,821

Pedestrian volume (A8-6)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	2,287	1,062	734	649	395	745	1,255	838	7,965
17 Sep	1,975	1,000	610	617	455	628	868	663	6,816
18 Sep	1,323	696	492	364	475	673	638	521	5,182
20 Sep	1,276	893	847	378	387	735	1,076	923	6,515
21 Sep	1,349	788	706	452	361	718	911	885	6,170
22 Sep	1,244	769	824	403	351	580	806	763	5,740
Total	9,454	5,208	4,213	2,863	2,424	4,079	5,554	4,593	38,388

Pedestrian volume (A8-7)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	920	1,098	1,193	1,057	967	1,548	1,251	1,523	9,557
28 Sep	1,119	1,066	1,097	894	926	1,654	1,584	1,701	10,041
29 Sep	849	821	938	1,194	967	1,419	1,437	1,325	8,950
30 Sep	859	900	916	851	752	977	1,019	1,354	7,628
1 Oct	917	1,063	849	1,100	1,139	1,020	1,174	1,072	8,334
2 Oct	843	940	1,162	967	1,218	1,162	1,314	1,291	8,897
Total	5,507	5,888	6,155	6,063	5,969	7,780	7,779	8,266	53,407

Pedestrian volume (A7-1)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	1,914	2,237	2,218	1,943	1,532	2,928	3,017	2,527	18,316
17 Sep	2,826	2,427	2,120	2,341	2,194	3,072	3,339	2,913	21,232
18 Sep	2,697	2,589	2,466	1,990	2,075	2,673	2,596	2,602	19,688
20 Sep	2,854	2,305	2,042	2,145	2,147	2,937	2,981	3,025	20,436
21 Sep	3,141	2,630	2,367	2,226	1,932	2,427	2,710	2,596	20,029
22 Sep	2,392	2,151	1,973	2,237	1,958	2,272	2,253	2,143	17,379
Total	15,824	14,339	13,186	12,882	11,838	16,309	16,896	15,806	117,080

Pedestrian volume (A7-2)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	1,309	918	726	672	506	734	1,452	1,419	7,736
28 Sep	1,291	746	638	468	423	659	1,248	1,174	6,647
29 Sep	1,033	985	832	641	639	826	1,642	1,457	8,055
30 Sep	1,241	834	632	480	514	823	1,342	1,195	7,061
1 Oct	1,030	892	692	414	463	673	1,068	1,092	6,324
2 Oct	707	715	588	467	519	661	829	863	5,349
Total	6,611	5,090	4,108	3,142	3,064	4,376	7,581	7,200	41,172

Pedestrian volume (A7-3)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,495	1,098	724	573	588	1,282	1,970	1,051	8,781
21 Sep	1,643	945	654	834	672	1,069	1,682	1,188	8,687
22 Sep	1,794	1,106	721	587	620	1,336	1,450	1,035	8,649
23 Sep	1,536	946	804	534	556	1,255	1,952	1,238	8,821
24 Sep	1,704	1,049	803	652	652	1,314	1,800	1,159	9,133
25 Sep	1,310	1,025	844	753	800	766	815	846	7,159
Total	9,482	6,169	4,550	3,933	3,888	7,022	9,669	6,517	51,230

Pedestrian volume (A7-4)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	1,247	873	698	574	367	1,038	1,958	2,407	9,162
17 Sep	2,123	1,370	744	679	407	1,294	1,565	1,260	9,442
18 Sep	1,065	895	582	625	668	914	758	1,132	6,639
20 Sep	1,279	1,009	632	377	512	1,036	1,395	819	7,059
21 Sep	833	814	796	471	440	607	1,301	1,343	6,605
22 Sep	1,127	889	716	391	519	1,014	1,386	1,007	7,049
Total	7,674	5,850	4,168	3,117	2,913	5,903	8,363	7,968	45,956

Pedestrian volume (A7-6)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	3,830	3,010	2,308	1,654	1,343	2,733	4,280	4,443	23,601
28 Sep	4,156	2,981	2,704	2,185	1,830	3,472	3,483	3,619	24,430
29 Sep	3,310	3,148	2,479	2,309	1,661	2,709	3,824	4,027	23,467
30 Sep	4,113	3,609	2,862	2,453	2,309	3,185	3,668	3,749	25,948
1 Oct	5,369	3,212	3,118	2,561	2,192	2,815	3,755	3,382	26,404
2 Oct	3,499	3,509	2,848	2,889	2,809	3,080	3,392	2,947	24,973
Total	24,277	19,469	16,319	14,051	12,144	17,994	22,402	22,167	148,823

Pedestrian volume (A7-7)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	1,256	1,201	969	1,013	908	944	1,200	1,732	9,223
28 Sep	1,393	1,002	922	1,035	1,009	1,587	1,598	1,235	9,781
29 Sep	980	982	1,209	982	960	1,389	1,463	1,364	9,329
30 Sep	1,346	1,110	996	1,010	1,029	1,321	1,279	1,270	9,361
1 Oct	1,272	1,236	1,074	1,115	1,074	1,406	1,459	1,668	10,304
2 Oct	1,448	1,197	1,167	1,340	1,314	1,382	1,413	1,428	10,689
Total	7,695	6,728	6,337	6,495	6,294	8,029	8,412	8,697	58,687

Pedestrian volume (A7-8)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	699	640	654	579	446	709	640	708	5,075
28 Sep	790	698	549	672	546	852	818	737	5,662
29 Sep	869	626	474	545	578	1,058	892	725	5,767
30 Sep	1,020	599	494	729	768	1,075	847	727	6,259
1 Oct	971	721	641	643	573	703	882	689	5,823
2 Oct	685	628	669	941	692	947	847	899	6,308
Total	5,034	3,912	3,481	4,109	3,603	5,344	4,926	4,485	34,894

Pedestrian volume (A7-9)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	633	488	410	402	406	428	711	668	4,146
21 Sep	715	620	423	515	526	590	885	803	5,077
22 Sep	759	688	361	363	469	528	970	573	4,711
23 Sep	870	586	383	426	519	500	893	662	4,839
24 Sep	792	610	441	469	480	576	878	630	4,876
25 Sep	662	464	429	479	480	429	513	403	3,859
Total	4,431	3,456	2,447	2,654	2,880	3,051	4,850	3,739	27,508

Pedestrian volume (A7R-2)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,683	2,226	1,975	1,587	1,680	2,201	2,440	1,903	15,695
21 Sep	1,811	2,123	1,878	1,628	1,870	2,203	2,224	1,768	15,505
22 Sep	1,764	2,079	1,843	1,693	1,839	2,287	2,067	1,510	15,082
23 Sep	1,623	2,038	1,657	1,703	1,650	2,161	2,398	1,420	14,650
24 Sep	1,728	1,915	1,659	1,566	1,402	1,803	2,071	1,480	13,624
25 Sep	1,383	1,507	1,437	1,124	1,192	962	1,047	715	9,367
Total	9,992	11,888	10,449	9,301	9,633	11,617	12,247	8,796	83,923

Pedestrian volume (A7R-3)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	1,721	2,445	2,526	2,443	2,653	2,382	3,068	2,248	19,486
17 Sep	2,093	2,668	2,484	2,526	2,469	2,428	2,570	2,082	19,320
18 Sep	1,442	2,298	2,082	1,982	2,123	1,878	1,917	1,761	15,483
20 Sep	1,664	2,767	2,964	2,675	3,028	3,313	4,165	2,569	23,145
21 Sep	1,727	2,829	2,575	2,440	2,600	2,407	3,052	2,386	20,016
22 Sep	1,642	2,957	2,500	2,900	3,137	2,889	2,928	2,510	21,463
Total	10,289	15,964	15,131	14,966	16,010	15,297	17,700	13,556	118,913

Pedestrian volume (A7R-4)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	678	805	829	1,093	1,108	1,034	973	868	7,388
21 Sep	780	803	786	906	871	851	933	918	6,848
22 Sep	731	760	626	908	1,030	957	973	903	6,888
23 Sep	636	740	580	746	868	734	907	663	5,874
24 Sep	594	829	761	777	705	712	691	707	5,776
25 Sep	526	564	592	670	638	523	543	458	4,514
Total	3,945	4,501	4,174	5,100	5,220	4,811	5,020	4,517	37,288

Pedestrian volume (A7R-5)									
Hour	7	8	9	12	13	16	17	18	Total
16 Sep	1,399	1,791	2,102	2,081	1,902	2,275	2,177	1,515	15,242
17 Sep	1,322	1,667	1,882	1,912	1,970	2,428	2,277	1,675	15,133
18 Sep	1,059	1,504	1,633	1,636	1,695	1,860	2,016	1,489	12,892
20 Sep	1,148	1,885	1,739	1,629	1,860	1,875	2,126	1,476	13,738
21 Sep	980	1,555	1,331	1,693	1,690	2,063	2,056	1,530	12,898
22 Sep	1,016	1,368	1,454	1,402	1,508	1,868	1,708	1,699	12,023
Total	6,924	9,770	10,141	10,353	10,625	12,369	12,360	9,384	81,926

Pedestrian volume (A7R-6)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	591	480	318	350	289	490	590	576	3,684
28 Sep	510	360	276	358	414	403	585	411	3,317
29 Sep	440	392	363	334	338	452	467	354	3,140
30 Sep	520	412	313	318	320	397	434	467	3,181
1 Oct	538	435	322	336	397	348	433	416	3,225
2 Oct	476	325	303	253	312	313	412	333	2,727
Total	3,075	2,404	1,895	1,949	2,070	2,403	2,921	2,557	19,274

Pedestrian volume (A7R-7)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,181	996	846	869	916	1,330	1,360	892	8,390
21 Sep	1,402	882	795	852	697	1,060	1,740	1,061	8,489
22 Sep	1,397	1,161	699	864	859	1,451	1,586	1,238	9,255
23 Sep	1,520	1,153	846	875	942	1,610	1,939	1,430	10,315
24 Sep	1,510	1,262	838	1,256	1,177	1,506	2,265	1,357	11,171
25 Sep	1,073	993	707	641	686	729	830	872	6,531
Total	8,083	6,447	4,731	5,357	5,277	7,686	9,720	6,850	54,151

Pedestrian volume (A7R-8)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,758	1,346	1,108	1,005	772	1,917	2,210	1,661	11,777
21 Sep	2,143	1,410	623	910	710	2,124	2,561	1,387	11,868
22 Sep	1,932	1,090	653	675	703	2,194	2,994	1,358	11,599
23 Sep	1,941	1,402	697	662	828	2,126	2,371	1,128	11,155
24 Sep	1,983	1,227	697	1,395	916	1,481	1,535	1,107	10,341
25 Sep	769	533	276	449	488	584	807	660	4,566
Total	10,526	7,008	4,054	5,096	4,417	10,426	12,478	7,301	61,306

Pedestrian volume (B1)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	1,348	1,408	1,036	511	497	1,011	1,131	938	7,880
28 Sep	1,609	1,542	910	544	529	529	931	765	7,359
29 Sep	1,514	1,177	1,158	424	268	555	1,022	928	7,046
30 Sep	1,436	1,227	960	328	504	1,035	1,006	1,040	7,536
1 Oct	1,637	1,166	753	274	221	623	1,121	1,056	6,851
2 Oct	975	774	531	325	328	730	796	848	5,307
Total	8,519	7,294	5,348	2,406	2,347	4,483	6,007	5,575	41,979

Pedestrian volume (B2)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	3,311	2,827	1,945	654	522	2,171	3,558	2,994	17,982
28 Sep	2,756	1,719	971	448	463	1,723	3,239	2,848	14,167
29 Sep	3,062	2,542	1,709	740	694	2,079	3,391	2,910	17,127
30 Sep	4,322	2,996	1,615	483	644	2,227	3,083	2,888	18,258
1 Oct	3,843	3,227	1,263	499	555	2,238	3,079	3,121	17,825
2 Oct	3,976	2,391	1,399	550	784	1,773	2,228	1,498	14,599
Total	21,270	15,702	8,902	3,374	3,662	12,211	18,578	16,259	99,958

Pedestrian volume (H1)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	946	1,110	1,174	1,142	1,353	1,489	1,586	1,272	10,072
28 Sep	1,280	885	882	1,322	1,180	1,080	1,591	1,063	9,283
29 Sep	734	805	840	871	1,012	1,093	1,193	1,234	7,782
30 Sep	864	940	928	1,110	1,076	1,103	1,400	1,244	8,665
1 Oct	1,205	1,522	1,247	1,706	1,689	1,242	1,451	1,121	11,183
2 Oct	937	1,052	935	1,195	1,122	1,063	1,126	1,039	8,469
Total	5,966	6,314	6,006	7,346	7,432	7,070	8,347	6,973	55,454

Pedestrian volume (H2)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	965	497	305	340	432	448	467	338	3,792
28 Sep	821	583	286	253	475	490	593	384	3,885
29 Sep	769	379	265	252	571	326	563	217	3,342
30 Sep	1,098	582	326	294	631	458	582	344	4,315
1 Oct	1,083	538	348	343	461	370	571	340	4,054
2 Oct	750	504	260	214	465	183	207	176	2,759
Total	5,486	3,083	1,790	1,696	3,035	2,275	2,983	1,799	22,147

Pedestrian volume (H5)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	922	921	819	1,232	1,571	1,045	1,809	1,536	9,855
28 Sep	1,139	1,183	907	1,450	1,971	1,144	815	899	9,508
29 Sep	906	1,014	788	1,353	1,793	1,209	1,155	1,194	9,412
30 Sep	1,315	864	776	1,140	2,311	876	1,358	1,226	9,866
1 Oct	924	929	914	1,182	1,975	947	1,092	1,447	9,410
2 Oct	710	570	523	407	580	431	366	537	4,124
Total	5,916	5,481	4,727	6,764	10,201	5,652	6,595	6,839	52,175

Pedestrian volume (H6)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	787	744	753	707	700	928	942	763	6,324
28 Sep	916	770	747	684	639	805	699	619	5,879
29 Sep	757	711	611	786	652	787	638	541	5,483
30 Sep	756	706	663	881	841	805	716	692	6,060
1 Oct	859	828	794	831	784	824	812	724	6,456
2 Oct	767	747	740	777	750	705	676	583	5,745
Total	4,842	4,506	4,308	4,666	4,366	4,854	4,483	3,922	35,947

Pedestrian volume (L2)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	570	625	477	424	494	468	591	387	4,036
28 Sep	635	535	439	506	526	587	587	349	4,164
29 Sep	598	583	525	534	528	627	606	326	4,327
30 Sep	760	588	509	606	559	570	595	437	4,624
1 Oct	759	581	509	536	480	554	623	429	4,471
2 Oct	713	616	558	578	564	611	671	517	4,828
Total	4,035	3,528	3,017	3,184	3,151	3,417	3,673	2,445	26,450

Pedestrian volume (L5)									
Hour	7	8	9	12	13	16	17	18	Total
27 Sep	550	305	210	265	345	685	803	591	3,754
28 Sep	788	377	279	290	263	664	678	632	3,971
29 Sep	704	390	213	328	305	623	819	573	3,955
30 Sep	669	432	256	331	323	640	751	536	3,938
1 Oct	656	435	389	424	464	681	708	737	4,494
2 Oct	523	401	389	372	331	586	739	779	4,120
Total	3,890	2,340	1,736	2,010	2,031	3,879	4,498	3,848	24,232

Pedestrian volume (M1)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	927	1,069	1,088	1,076	964	991	1,183	1,028	8,326
21 Sep	1,043	997	920	1,091	998	952	892	802	7,695
22 Sep	1,098	886	1,038	1,031	970	1,029	1,195	1,100	8,347
23 Sep	979	1,006	840	1,048	992	990	1,169	1,120	8,144
24 Sep	1,222	1,019	1,006	1,004	993	977	1,265	1,133	8,619
25 Sep	995	977	920	926	1,032	864	1,065	1,031	7,810
Total	6,264	5,954	5,812	6,176	5,949	5,803	6,769	6,214	48,941

Pedestrian volume (M2)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	2,349	1,495	1,107	1,190	1,068	1,210	1,995	1,668	12,082
21 Sep	2,469	1,534	1,401	1,066	1,086	1,296	2,466	1,703	13,021
22 Sep	2,334	1,409	1,109	1,343	1,371	1,732	1,997	1,606	12,901
23 Sep	2,354	1,518	1,284	1,177	1,274	1,638	1,954	1,623	12,822
24 Sep	2,398	1,623	1,500	1,270	1,426	1,855	2,084	1,552	13,708
25 Sep	2,024	1,307	1,080	1,049	1,124	1,025	1,308	1,089	10,006
Total	13,928	8,886	7,481	7,095	7,349	8,756	11,804	9,241	74,540

Pedestrian volume (M3)									
Hour	7	8	9	12	13	16	17	18	Total
20 Sep	1,416	1,330	1,183	1,767	1,883	1,501	1,560	1,474	12,114
21 Sep	2,023	1,716	1,303	860	781	971	1,190	791	9,635
22 Sep	1,235	916	794	822	755	1,091	1,045	775	7,433
23 Sep	1,449	1,002	637	725	663	1,013	1,063	947	7,499
24 Sep	1,290	946	863	704	746	1,016	1,270	821	7,656
25 Sep	937	837	549	502	623	346	479	470	4,743
Total	8,350	6,747	5,329	5,380	5,451	5,938	6,607	5,278	49,080

4. Queue Length

Queue length (m) A8-2 / Day 1 (23-9-21)					Queue length (m) A8-2 / Day 2 (24-9-21)					Queue length (m) A8-2 / Day 3 (27-9-21)				
Direction	From A8-7	From H-5	From H-6	From A8-1	Direction	From A8-7	From H-5	From H-6	From A8-1	Direction	From A8-7	From H-5	From H-6	From A8-1
7:00	48	25	5	16	7:00	64	37	10	17	7:00	51	48	6	13
7:15	36	15	12	13	7:15	48	58	16	13	7:15	39	35	13	19
7:30	75	75	6	10	7:30	26	44	8	16	7:30	46	55	8	11
7:45	88	28	14	17	7:45	57	96	16	14	7:45	168	71	18	16
8:00	98	98	40	10	8:00	88	140	33	19	8:00	187	34	20	10
8:15	26	35	5	17	8:15	66	85	9	29	8:15	144	158	7	21
8:30	21	77	50	25	8:30	41	94	28	47	8:30	29	110	30	26
8:45	16	50	50	18	8:45	28	40	35	64	8:45	35	75	18	28
9:00	66	87	20	170	9:00	33	55	40	31	9:00	51	62	38	34
9:15	32	66	35	20	9:15	69	38	22	54	9:15	67	15	15	20
9:30	26	35	78	14	9:30	43	50	53	42	9:30	31	22	40	32
9:45	35	27	43	38	9:45	24	33	58	35	9:45	24	13	30	37
16:00	79	17	80	150	16:00	133	18	68	110	16:00	218	11	73	170
16:15	87		88	163	16:15	108		76	164	16:15	266		180	110
16:30	63		57	156	16:30	81		65	148	16:30	83		81	118
16:45	108		103	180	16:45	98		118	151	16:45	112		150	140
17:00	133		134	145	17:00	128		146	142	17:00	78		170	161
17:15	157		140	152	17:15	146		163	180	17:15	89		190	133
17:30	82		160	150	17:30	161		180	174	17:30	99		137	114
17:45	112		148	153	17:45	103		165	196	17:45	118		158	109
18:00	93	37	90	170	18:00	91	78	120	164	18:00	121		187	121
18:15	64	25	50	165	18:15	79	64	98	131	18:15	147	15	78	184
18:30	49	40	35	150	18:30	87	34	40	117	18:30	165	25	60	199
18:45	66	49	50	110	18:45	97	40	36	98	18:45	111		26	200

Queue length (m) A8-5 / Day 1 (23-9-21)					
Direction	From A8-4	From A7-1	From H-3	From A8-6	From Tom Mboya Rd
7:00	110	78	99	43	28
7:15	117	18	54	54	14
7:30	42	36	35	72	
7:45	105	11	10	35	15
8:00	49	18	16	25	23
8:15	22	6	5	37	31
8:30	44	22	19	11	15
8:45	9	10	21	29	16
9:00	38	36	12	20	12
9:15	26	28	15	16	21
9:30	4	5	30	14	16
9:45	21	37	35	25	23
16:00	10	11	46	56	31
16:15	6	23	120	57	7
16:30	35	22	170	56	13
16:45	11	60	135	79	16
17:00	31	52	110	95	10
17:15	9	63	234	85	15
17:30	48	90	100	56	19
17:45	4	99	94	78	22
18:00	31	59	62	135	17
18:15	5	38	51	50	14
18:30	32	23	38	137	12
18:45	5	29	60	142	29

Queue length (m) A8-5 / Day 2 (24-9-21)					
Direction	From A8-4	From A7-1	From H-3	From A8-6	From Tom Mboya Rd
7:00	42	33	37	106	24
7:15	45	14	65	113	16
7:30	44	15	55	52	23
7:45	87	33	110	41	54
8:00	75	43	58	108	23
8:15	39	29	125	52	28
8:30	53	24	34	70	20
8:45	41	9	30	12	33
9:00	37	12	160	54	34
9:15	35	11	62	47	17
9:30	14	12	36	42	24
9:45	21	13	98	58	17
16:00	23	40	115	36	9
16:15	19	19	87	50	18
16:30	29	37	76	34	17
16:45	43	46	156	43	19
17:00	62	48	173	56	16
17:15	31	45	96	107	22
17:30	54	32	84	132	15
17:45	31	54	93	114	14
18:00	37	46	88	86	17
18:15	40	37	107	81	18
18:30	40	45	120	95	23
18:45	30	19	83	103	16

Queue length (m) A8-5 / Day 3 (27-9-21)					
Direction	From A8-4	From A7-1	From H-3	From A8-6	From Tom Mboya Rd
7:00	39	24	58	37	13
7:15	40	20	67	53	37
7:30	73	27	49	78	17
7:45	110	35	34	108	16
8:00	80	11	19	98	19
8:15	31	23	36	113	21
8:30	26	15	21	46	10
8:45	19	24	94	54	11
9:00	21	9	100	48	13
9:15	39	21	56	56	19
9:30	32	7	78	64	14
9:45	41	33	49	38	13
16:00	19	17	30	64	14
16:15	15	39	178	78	12
16:30	23	20	97	109	15
16:45	25	43	233	115	14
17:00	40	27	129	97	15
17:15	22	105	76	119	16
17:30	13	106	95	98	21
17:45	16	95	176	76	17
18:00	8	42	36	64	29
18:15	11	57	79	102	16
18:30	17	61	67	76	18
18:45	10	28	81	48	13

Queue length (m) A7-4 / Day 1 (23-9-21)				
Direction	From A7-5	From A7-3	From A7R-8	
7:00	327	297	274	
7:15	189	315	340	
7:30	111	195	55	
7:45	315	418	373	
8:00	231	458	85	
8:15	6	390	31	
8:30	372	255	40	
8:45	198	343	340	
9:00	126	382	328	
9:15	232	370	340	
9:30	327	292	289	
9:45	195	295	331	
16:00	285	325	427	
16:15	292	334	457	
16:30	483	130	313	
16:45	345	124	574	
17:00	276	106	364	
17:15	463	214	484	
17:30	702	334	520	
17:45	135	40	445	
18:00	340	295	454	
18:15	285	205	490	
18:30	390	280	454	
18:45	510	235	361	

Queue length (m) A7-4 / Day 2 (24-9-21)				
Direction	From A7-5	From A7-3	From A7R-8	
7:00	997	401	207	
7:15	596	260	297	
7:30	1183	117	30	
7:45	301	525	422	
8:00	405	593	354	
8:15	270	225	465	
8:30	322	220	444	
8:45	420	271	354	
9:00	275	119	366	
9:15	272	802	354	
9:30	339	390	303	
9:45	335	522	327	
16:00	277	282	588	
16:15	223	285	480	
16:30	145	598	624	
16:45	220	520	534	
17:00	275	757	465	
17:15	220	750	615	
17:30	290	977	444	
17:45	143	755	291	
18:00	339	266	510	
18:15	32	820	621	
18:30	492	594	498	
18:45	189	395	492	

Queue length (m) A7-4 / Day 3 (27-9-21)				
Direction	From A7-5	From A7-3	From A7R-8	
7:00	376	250	241	
7:15	451	298	295	
7:30	526	79	16	
7:45	328	277	331	
8:00	406	325	265	
8:15	481	223	145	
8:30	436	220	13	
8:45	280	40	325	
9:00	361	238	298	
9:15	367	241	166	
9:30	313	232	205	
9:45	400	229	223	
16:00	220	85	499	
16:15	190	340	205	
16:30	220	370	541	
16:45	199	433	541	
17:00	250	391	478	
17:15	40	145	514	
17:30	205	421	637	
17:45	49	295	571	
18:00	265	154	649	
18:15	124	304	802	
18:30	115	370	700	
18:45	148	370	235	

Queue length (m) A7-6 / Day 1 (23-9-21)				
Direction	From A7-5	From L-1	From A7-8	
7:00	421	197	332	
7:15	396	182	182	
7:30	720	165	317	
7:45	389	255	167	
8:00	274	100	203	
8:15	394	118	179	
8:30	236	140	251	
8:45	361	122	182	
9:00	223	113	263	
9:15	285	374	152	
9:30	147	210	164	
9:45	133	561	203	
16:00	395	50	167	
16:15	724	22	185	
16:30	607		152	
16:45	589	144	182	
17:00		77	119	
17:15			194	
17:30		482	182	
17:45	389		239	
18:00	584	174	131	
18:15	608		227	
18:30	731	126	131	
18:45	659	99	158	

Queue length (m) A7-6 / Day 2 (24-9-21)				
Direction	From A7-5	From L-1	From A7-8	
7:00	307	678	179	
7:15	216	463	194	
7:30	211	768	170	
7:45	450	123	119	
8:00	53		206	
8:15	560	109	149	
8:30	640	137	221	
8:45	213	152	182	
9:00	228	165	266	
9:15	194	112	182	
9:30	108	174	173	
9:45	110	256	248	
16:00	621		215	
16:15	791	92	317	
16:30	805	76	161	
16:45	774	54	257	
17:00			164	
17:15	395	247		
17:30	286		194	
17:45	400	168	113	
18:00			185	
18:15	212	87	206	
18:30	641	32	143	
18:45	834	90	266	

Queue length (m) A7-6 / Day 3 (27-9-21)				
Direction	From A7-5	From L-1	From A7-8	
7:00	528	455	302	
7:15	395	248	233	
7:30	246	188	478	
7:45		723		
8:00	671	428	532	
8:15	732		458	
8:30	584	154	313	
8:45	363	116		
9:00	359	122	376	
9:15	372	138	272	
9:30	264	102	202	
9:45	219	65	220	
16:00	387		198	
16:15	298	156	10	
16:30	411	92	332	
16:45	564	172	330	
17:00			440	
17:15	659	85	166	
17:30				
17:45			247	
18:00	502	129		
18:15			420	
18:30	727	56	177	
18:45	268	21	218	

Queue length (m) A7R-3 / Day 1 (23-9-21)					
Direction	From Nkurumah Rd	From A7R-4	From A7R-2	From M-1	
7:00	30	56	30	52	
7:15	20	91	22	75	
7:30	120	65	27	68	
7:45	60	79	32	159	
8:00	180	258	21	213	
8:15	40	94	43	390	
8:30	150	151	28	520	
8:45	190	85	25	255	
9:00	170	43	17	360	
9:15	120	20	20	290	
9:30	50	68	24	340	
9:45	66	65	15	138	
16:00	116	22	60	249	
16:15	160	24	128	144	
16:30	401	165	148	315	
16:45	161	151	157	380	
17:00	391	118	146	373	
17:15	200	62	150	296	
17:30	482	141	145	263	
17:45	338	54	120	67	
18:00	100	68	75	235	
18:15	155	39	42	134	
18:30	189	50	35	65	
18:45	120	25	40	58	

Queue length (m) A7R-3 / Day 2 (24-9-21)					
Direction	From A8-7	From H-5	From H-6	From A8-1	
7:00	50	118	25	65	
7:15	144	65	22	56	
7:30	80	107	51	105	
7:45	68	118	31	95	
8:00	130	69	53	145	
8:15	90	76	45	280	
8:30	120	67	36	150	
8:45	151	42	32	230	
9:00	290	111	29	103	
9:15	130	70	35	294	
9:30	80	132	62	138	
9:45	200	77	70	176	
16:00	180	65	95	139	
16:15	207	114	84	430	
16:30	300	47	110	388	
16:45	120	138	104	525	
17:00	210	126	142	482	
17:15	300	35	176	612	
17:30	150	67	187	558	
17:45	400	120	198	544	
18:00	250	203	195	689	
18:15	130	180	168	499	
18:30	180	24	120	283	
18:45	240	36	98	123	

Queue length (m) A7R-3 / Day 3 (27-9-21)					
Direction	From A8-7	From H-5	From H-6	From A8-1	
7:00	55	118	19	65	
7:15	175	99	28	180	
7:30	143	74	35	226	
7:45	95	65	30	274	
8:00	140	27	44	330	
8:15	90	251	53	514	
8:30	140	323	60	568	
8:45	120	65	64	602	
9:00	280	48	58	523	
9:15	123	81	47	339	
9:30	100	36	77	262	
9:45	140	52	65	387	
16:00	216	138	93	848	
16:15	364	142	118	600	
16:30	231	183	98	974	
16:45	197	164	110	840	
17:00	430	206	123		
17:15	280	112	175	964	
17:30	170	48	189	617	
17:45	300	23	162	507	
18:00	250	18	195	340	
18:15	120	37	138	120	
18:30	170	24	120	112	
18:45	127	44	112	75	

Queue length (m) A7R-5 / Day 1 (23-9-21)				
Direction	From A8-1	From A7R-6	From A7R-4	
7:00				
7:15	9			
7:30	18			
7:45	38			
8:00	13		19	
8:15	37	33	25	
8:30	20	49	16	
8:45	48	27	17	
9:00		27	27	
9:15	10		29	
9:30	25		37	
9:45		38	40	
16:00	32	17	33	
16:15	19	29	42	
16:30	6	21	39	
16:45	57	57	139	
17:00	234	478	142	
17:15	300	156	217	
17:30	284	349	89	
17:45	262	127	115	
18:00	183	89	29	
18:15	56	48	109	
18:30		26	49	
18:45		49	12	

Queue length (m) A7R-5 / Day 2 (24-9-21)				
Direction	From A8-1	From A7R-6	From A7R-4	
7:00				
7:15		21		
7:30	34	30		
7:45		54		
8:00	45	39	18	
8:15	76		23	
8:30	32	27		
8:45		50		
9:00		57	21	
9:15		33	49	
9:30	24	48		
9:45		37		
16:00	53	34	37	
16:15	61	48	127	
16:30	92	56	312	
16:45	67	42	389	
17:00	100	74	245	
17:15	26	89	218	
17:30	69	116	49	
17:45	82	112	419	
18:00	58	127	216	
18:15	224	142	421	
18:30		46	378	
18:45		42	78	

Queue length (m) A7R-5 / Day 3 (27-9-21)				
Direction	From A8-1	From A7R-6	From A7R-4	
7:00	10			
7:15	15			
7:30	28	27		
7:45	41	48		
8:00	19	32	119	
8:15	41		127	
8:30	19	36	137	
8:45	45			
9:00	32	98		
9:15	19	56		
9:30	24	22	152	
9:45	9	47	163	
16:00	43	22	342	
16:15	16	46	415	
16:30	10	61	457	
16:45	113	26	468	
17:00	245	54	438	
17:15	289	30	417	
17:30	250	127	433	
17:45	241	82	508	
18:00	132	159	509	
18:15	87	96	518	
18:30	47	33	114	
18:45		42	217	

5. Travel Speed

Route 1		Distance (km)	Speed (km/h)											
			2.81	0.43	0.67	0.45	0.27	0.44	0.31	0.47	0.20	0.29	0.58	0.99
Hour	Direction	Section	J01	A8-6	A8-5	A8-4	A8-3	A8-7	A8-2	A8-1	A7R-5	A7R-4	A7R-3	A7R-2
			A8-6	A8-5	A8-4	A8-3	A8-7	A8-2	A8-1	A7R-5	A7R-4	A7R-3	A7R-2	A7R-1
7	A7R-1	→	J01	16.6	16.7	7.0	40.5	32.3	10.7	33.2	34.3	30.7	34.2	35.3
7	J01	→	A7R-1	26.4	40.7	27.4	10.6	69.4	12.4	13.8	27.3	24.0	7.8	24.6
7	A7R-1	→	J01	31.3	20.1	17.1	4.6	36.0	30.5	12.8	16.3	31.3	22.7	18.8
7	J01	→	A7R-1	33.4	16.6	16.7	6.3	40.5	32.3	10.7	33.2	34.3	30.7	34.2
7	A7R-1	→	J01	26.4	40.7	27.4	10.6	69.4	12.4	13.8	27.3	24.0	7.8	24.6
7	J01	→	A7R-1	49.8	20.1	29.8	9.3	36.0	30.5	12.8	16.3	31.3	22.7	18.8
8	J01	→	A7R-1	30.0	49.9	13.9	12.9	19.1	15.8	11.9	16.6	15.3	20.5	25.5
8	A7R-1	→	J01	31.7	26.2	30.1	12.6	18.0	4.2	24.3	31.9	36.0	40.2	27.5
8	A7R-1	→	J01	30.0	49.9	13.9	12.9	19.1	15.8	11.9	16.6	15.3	20.5	25.5
8	J01	→	A7R-1	30.7	26.2	30.2	12.6	40.5	26.4	31.9	31.9	36.0	17.4	33.7
8	A7R-1	→	J01	31.0	36.9	31.3	14.7	27.0	27.8	27.2	28.2	27.7	25.5	24.9
9	J01	→	A7R-1	27.6	25.0	15.8	19.5	26.3	22.0	16.7	21.2	15.7	11.6	24.9
9	A7R-1	→	J01	31.8	36.9	45.5	5.5	31.4	26.8	12.4	31.9	32.7	31.6	27.8
9	J01	→	A7R-1	31.8	36.9	45.5	5.5	31.4	26.8	12.4	31.9	32.7	31.6	27.8
12	J01	→	A7R-1	20.3	43.0	6.7	30.6	36.0	23.6	18.3	17.6	8.0	6.7	35.4
12	A7R-1	→	J01	30.0	32.9	51.3	6.1	22.6	20.6	14.3	8.6	17.1	15.4	15.9
12	J01	→	A7R-1	20.3	43.0	6.7	30.6	36.0	23.6	18.6	10.8	10.3	19.0	35.4
13	J01	→	A7R-1	29.2	43.0	16.6	18.8	22.6	26.8	21.9	17.3	12.4	14.5	28.2
13	A7R-1	→	J01	37.5	30.4	33.0	9.4	54.0	31.1	10.1	10.9	28.8	16.1	29.4
13	J01	→	A7R-1	33.3	44.2	7.7	19.8	27.8	32.3	18.9	21.7	8.9	14.9	26.1
13	A7R-1	→	J01	30.0	32.9	51.3	6.1	22.6	20.6	14.3	8.6	17.1	15.4	15.9
13	J01	→	A7R-1	29.2	43.0	16.6	18.8	22.6	26.8	21.9	17.3	12.4	14.5	28.2
13	A7R-1	→	J01	37.5	30.4	33.0	9.4	54.0	22.3	7.7	10.9	28.8	16.1	29.4
16	A7R-1	→	J01	33.9	29.2	37.1	6.4	20.3	16.2	7.4	7.2	6.6	11.7	8.5
16	J01	→	A7R-1	28.0	43.0	8.5	19.1	27.0	20.1	19.6	19.2	11.4	16.8	25.2
16	J01	→	A7R-1	33.9	29.2	37.1	6.4	20.3	16.2	7.4	7.2	6.6	11.7	8.5
16	A7R-1	→	J01	28.0	43.0	8.5	19.1	27.0	20.1	19.6	19.2	11.4	16.8	25.2
17	A7R-1	→	J01	22.8	38.7	25.7	3.3	36.0	18.9	6.6	3.3	2.2	6.8	16.1
17	J01	→	A7R-1	22.8	38.7	25.7	3.3	36.0	18.9	6.6	3.3	2.2	6.8	16.1
17	A7R-1	→	J01	30.1	43.0	9.0	17.2	27.0	28.3	11.7	16.0	11.8	20.9	28.6
18	J01	→	A7R-1	30.1	43.0	9.0	17.2	27.0	28.3	11.7	16.0	11.8	20.9	28.6
18	A7R-1	→	J01	33.8	41.8	42.3	8.2	60.8	22.3	5.0	20.9	6.0	14.1	29.4
18	J01	→	A7R-1	33.8	41.8	42.3	8.2	60.8	22.3	5.0	20.9	6.0	14.1	29.4
18	A7R-1	→	J01	32.4	32.9	8.0	6.6	19.1	13.7	5.1	45.7	6.0	11.3	23.2
														44.6

Route 2			Distance (km)	3.30	1.33	0.31	1.46	0.28	0.18	0.43	0.50
			Section	A7-9	A7-8	A7-7	A7-6	A7-4	A7-3	A7-2	A7-1
				A7-8	A7-7	A7-6	A7-4	A7-3	A7-2	A8-4	A7-1
Hour	Direction			Speed (km/h)							
7	A7-1	→	A7-9	25.8	28.8	18.3	49.6	33.6	40.5	12.2	36.0
7	A7-9	→	A7-1	29.0	28.3	16.7	55.9	28.8	20.9	25.4	20.2
7	A7-1	→	A7-9	25.8	25.1	8.5	34.4	22.9	23.1	16.1	33.3
7	A7-9	→	A7-1	25.8	28.8	18.3	49.6	33.6	40.5	12.2	36.0
7	A7-1	→	A7-9	36.1	37.1	16.7	55.9	28.8	7.1	25.4	34.6
7	A7-9	→	A7-1	25.8	25.1	8.5	34.4	22.9	23.1	16.1	33.3
7	A7-1	→	A7-9	34.5	33.5	38.5	57.8	23.4	28.2	20.4	19.6
8	A7-9	→	A7-1	34.5	33.5	38.5	57.8	23.4	28.2	20.4	19.6
8	A7-1	→	A7-9	29.3	11.6	4.1	32.0	33.6	34.1	8.3	32.1
8	A7-9	→	A7-1	29.3	11.6	4.1	32.0	33.6	34.1	8.3	3.4
8	A7-1	→	A7-9	27.2	23.7	19.9	34.4	16.3	14.7	29.8	15.0
9	A7-9	→	A7-1	27.2	23.7	19.9	34.4	16.3	14.7	29.8	15.0
9	A7-1	→	A7-9	30.4	16.9	10.1	24.6	22.9	43.2	6.0	29.5
9	A7-9	→	A7-1	30.4	16.9	10.1	24.6	22.9	43.2	6.0	29.5
9	A7-1	→	A7-9	30.2	18.4	23.7	23.3	34.8	21.6	26.7	2.7
12	A7-1	→	A7-9	28.4	28.6	11.6	35.0	30.5	24.7	14.9	29.0
12	A7-9	→	A7-1	29.4	20.9	11.0	55.3	24.0	24.0	12.8	35.8
12	A7-1	→	A7-9	28.9	20.2	10.4	29.2	18.3	21.8	12.2	26.8
12	A7-9	→	A7-1	30.2	18.4	10.9	31.0	43.8	28.8	15.5	26.1
12	A7-9	→	A7-1	27.3	28.6	11.6	35.0	10.8	24.7	6.2	4.5
12	A7-1	→	A7-9	29.4	20.9	11.0	55.3	24.0	24.0	57.3	6.2
12	A7-9	→	A7-1	28.9	20.2	10.4	29.2	5.8	21.8	12.2	26.8
13	A7-1	→	A7-9	29.2	21.4	10.9	35.4	26.4	40.5	13.7	4.4
13	A7-9	→	A7-1	28.3	28.7	7.8	45.7	15.8	17.5	13.5	24.7
13	A7-1	→	A7-9	30.2	18.4	10.9	31.0	12.1	28.8	9.7	26.1
13	A7-9	→	A7-1	29.2	21.4	10.9	35.4	10.3	8.5	12.1	24.3
13	A7-1	→	A7-9	28.3	28.7	7.8	45.7	9.7	6.7	13.5	24.7
16	A7-1	→	A7-9	22.0	11.2	21.5	7.4	30.5	5.1	5.2	7.3
16	A7-9	→	A7-1	31.8	17.3	4.0	19.0	3.6	2.3	6.8	6.5
16	A7-1	→	A7-9	22.0	11.2	21.5	7.4	12.1	14.7	25.8	21.4
16	A7-9	→	A7-1	31.8	17.3	1.7	13.9	21.0	25.9	6.8	36.0
17	A7-1	→	A7-9	24.8	10.0	2.3	11.0	2.1	1.4	3.2	3.8
17	A7-1	→	A7-9	24.3	11.3	11.5	12.2	21.9	2.4	3.2	2.9
18	A7-9	→	A7-1	27.2	11.0	2.6	12.0	2.3	1.5	3.5	4.1
18	A7-9	→	A7-1	27.2	23.7	2.8	33.5	32.5	38.1	8.2	18.4
18	A7-1	→	A7-9	25.0	16.9	13.1	14.6	32.5	25.9	19.6	3.8

Route 3				Distance (km)	3.42	1.82	1.69
				Section	A7-9	L-5	L-2
					L-5	L-2	A7-6
Hour	Direction			Speed (km/h)			
7	A7-9	→	A7-6	28.4	22.3	20.8	
7	A7-6	→	A7-9	22.5	10.3	12.2	
7	A7-9	→	A7-6	17.1	22.3	12.7	
7	A7-6	→	A7-9	42.2	22.6	12.0	
7	A7-9	→	A7-6	26.6	8.4	12.9	
7	A7-6	→	A7-9	29.7	35.6	8.2	
8	A7-6	→	A7-9	40.2	28.5	12.2	
8	A7-9	→	A7-6	32.1	23.6	21.2	
8	A7-6	→	A7-9	32.0	37.4	24.0	
8	A7-9	→	A7-6	35.4	27.9	28.3	
8	A7-9	→	A7-6	19.9	40.7	23.8	
8	A7-6	→	A7-9	20.6	24.1	16.1	
8	A7-9	→	A7-6	25.8	36.2	39.3	
9	A7-6	→	A7-9	33.8	37.4	18.1	
9	A7-9	→	A7-6	35.7	25.3	37.3	
9	A7-6	→	A7-9	40.5	35.6	22.0	
9	A7-9	→	A7-6	36.8	23.5	24.8	
9	A7-6	→	A7-9	52.2	43.4	27.5	
9	A7-9	→	A7-6	40.6	26.0	16.8	
9	A7-6	→	A7-9	61.3	36.2	17.6	
9	A7-9	→	A7-6	44.3	54.1	29.5	
9	A7-6	→	A7-9	50.0	21.8	13.0	
12	A7-9	→	A7-6	22.7	17.1	8.0	
12	A7-6	→	A7-9	27.2	33.3	15.7	
12	A7-9	→	A7-6	32.9	33.8	31.4	
12	A7-6	→	A7-9	32.1	26.3	26.3	
12	A7-6	→	A7-9	14.8	11.9	13.7	
12	A7-9	→	A7-6	39.0	20.6	28.6	
12	A7-6	→	A7-9	52.8	20.2	16.7	
12	A7-9	→	A7-6	49.1	47.1	12.3	
13	A7-9	→	A7-6	30.0	29.5	37.6	
13	A7-6	→	A7-9	35.3	40.0	27.8	
13	A7-9	→	A7-6	29.7	40.2	38.3	
13	A7-6	→	A7-9	42.3	39.0	32.0	
13	A7-6	→	A7-9	53.1	26.0	25.2	
13	A7-9	→	A7-6	26.8	37.2	22.6	
13	A7-6	→	A7-9	65.1	42.0	9.1	
13	A7-9	→	A7-6	70.0	53.7	30.3	
16	A7-6	→	A7-9	23.8	31.7	33.8	
16	A7-9	→	A7-6	26.0			
16	A7-6	→	A7-9	29.3	41.2	29.0	
16	A7-9	→	A7-6	32.8			
16	A7-6	→	A7-9	31.4	39.2	25.5	
16	A7-9	→	A7-6	20.9			
16	A7-6	→	A7-9	25.5	35.2	28.7	
16	A7-9	→	A7-6	30.9			
16	A7-6	→	A7-9	26.8	40.7	19.7	
17	A7-9	→	A7-6	30.5			
17	A7-6	→	A7-9	13.5	28.4	23.1	
17	A7-9	→	A7-6	29.5			
17	A7-9	→	A7-6	28.2			
17	A7-6	→	A7-9	13.6	34.5	22.0	
17	A7-9	→	A7-6	23.6			
18	A7-6	→	A7-9	18.6	42.0	27.4	
18	A7-9	→	A7-6	28.6			
18	A7-6	→	A7-9	21.2	16.9	23.7	
18	A7-6	→	A7-9	18.5	33.9	31.7	
18	A7-9	→	A7-6	34.4			
18	A7-6	→	A7-9	17.1	24.3	29.3	

Route 4				Distance (km)	0.34	0.41	0.31	0.45	0.31	0.37	0.29	0.47	2.00
				Section	A7R-6	H-4	A7R-7	H-5	A8-2	A8-1	H-6	H-2	M-2
					H-4	A7R-7	H-5	A8-2	A8-1	H-6	H-2	M-2	A7R-1
Hour	Direction			Speed (km/h)									
7	A7R-6	→	A7R-1	17.2	20.2	28.6	11.7	17.2	20.2	40.2	26.9	18.9	
7	A7R-1	→	A7R-6	29.9	21.1	6.4	3.0	27.9	27.2	26.8	29.2	13.5	
7	A7R-6	→	A7R-1	20.7	18.5	21.5	11.7	17.7	19.6	32.6	22.9	26.3	
7	A7R-1	→	A7R-6	19.7	12.2	12.1	7.6	26.0	17.1	40.2	18.0	12.2	
7	A7R-6	→	A7R-1	21.9	7.1	19.6	13.1	21.5	26.6	31.6	36.0	24.9	
7	A7R-1	→	A7R-6	36.0	20.5	16.9	4.7	20.3	22.2	40.2	22.9	23.9	
7	A7R-6	→	A7R-1	37.1	61.5	9.4	3.8	16.7	26.1	33.7	28.2	23.8	
7	A7R-1	→	A7R-6	18.5	38.8	30.2	13.1	20.7	23.4	14.7	56.4	14.0	
8	A7R-6	→	A7R-1	17.7	14.9	19.9	15.3	12.3	25.6	43.5	15.2	8.6	
8	A7R-1	→	A7R-6	22.7	21.4	26.0	21.0	24.8	21.1	33.7	36.8	8.0	
8	A7R-6	→	A7R-1	55.6	70.3	27.9	10.5	15.3	16.0	26.1	23.8	8.1	
8	A7R-1	→	A7R-6	19.1	49.2	26.6	17.2	17.7	19.0	36.0	27.7	21.4	
8	A7R-6	→	A7R-1	13.9	73.8	55.8	14.5	17.4	25.6	49.7	24.9	6.7	
9	A7R-6	→	A7R-1	20.4	18.0	29.4	15.6	21.1	26.1	43.5	16.1	20.7	
9	A7R-1	→	A7R-6	20.4	23.4	20.7	18.4	18.9	20.5	36.0	30.8	11.7	
9	A7R-6	→	A7R-1	12.9	19.9	28.6	22.8	18.3	24.7	37.3	22.9	26.4	
9	A7R-1	→	A7R-6	55.6	17.8	26.0	22.8	19.6	31.7	33.7	28.7	21.1	
9	A7R-6	→	A7R-1	76.5	92.2	25.4	18.6	16.9	25.6	36.0	18.0	8.8	
9	A7R-1	→	A7R-6	20.1	36.9	31.0	17.8	20.3	19.9	29.0	23.2	23.2	
12	A7R-1	→	A7R-6	21.5	16.8	17.2	16.4	15.3	47.6	13.7	19.4	16.4	
12	A7R-6	→	A7R-1	18.0	11.9	22.8	18.8	13.0	20.5	33.7	16.4	21.1	
12	A7R-1	→	A7R-6	17.5	14.5	21.9	4.2	16.2	17.1	22.2	14.8	24.1	
12	A7R-6	→	A7R-1	14.6	21.1	18.9	3.2	23.7	18.8	41.8	14.0	19.6	
12	A7R-6	→	A7R-1	20.1	18.4	17.2	12.4	19.2	13.5	32.6	26.0	21.2	
12	A7R-1	→	A7R-6	17.7	10.7	13.8	17.4	15.5	17.3	41.8	21.7	18.7	
12	A7R-6	→	A7R-1	7.9	13.4	18.6	7.2	17.7	11.4	28.2	29.2	16.9	
12	A7R-1	→	A7R-6	12.8	9.7	55.8	4.3	16.2	6.8	19.7	26.4	14.8	
13	A7R-1	→	A7R-6	8.9	11.8	21.9	21.9	12.1	19.9	47.5	20.6	24.9	
13	A7R-6	→	A7R-1	13.0	18.0	13.8	15.0	24.8	25.1	38.7	28.7	20.6	
13	A7R-6	→	A7R-1	12.2	13.1	10.5	6.3	9.1	13.3	14.1	20.9	24.6	
13	A7R-1	→	A7R-6	7.9	20.2	10.8	6.6	21.9	10.0	9.2	36.8	14.6	
16	A7R-1	→	A7R-6			25.4	12.7	12.4	21.1	28.2	18.2	9.8	
16	A7R-6	→	A7R-1						19.3	24.3	18.6	11.3	
16	A7R-1	→	A7R-6			4.2	18.8	18.9	19.9	36.0	16.3	15.1	
16	A7R-6	→	A7R-1						9.1	29.8	9.7	12.7	
16	A7R-1	→	A7R-6			4.6	49.1	18.0	19.3	13.9	26.4	15.6	
16	A7R-6	→	A7R-1						5.3	21.8	15.5	13.1	
17	A7R-6	→	A7R-1						17.3	18.6	30.8	18.9	
17	A7R-1	→	A7R-6			1.5	3.3	7.6	16.6	10.0	8.4	13.4	
17	A7R-6	→	A7R-1						7.9	41.8	29.2	20.9	
17	A7R-1	→	A7R-6			7.1	21.0	58.7	7.2	14.5	16.4	19.7	
17	A7R-6	→	A7R-1						8.0	20.5	12.1	13.9	
17	A7R-1	→	A7R-6			7.6	31.8	26.6	7.9	15.4	11.9	11.8	
18	A7R-1	→	A7R-6			8.6	14.1	5.3	16.9	31.6	19.0	20.0	
18	A7R-6	→	A7R-1						19.6	20.9	20.6	12.4	
18	A7R-1	→	A7R-6			21.9	12.7	2.3	4.7	36.0	21.2	23.1	
18	A7R-6	→	A7R-1						12.0	13.4	12.2	23.5	
18	A7R-1	→	A7R-6			7.1	22.8	20.7	9.6	12.3	8.8	16.8	

Route 5			Distance (km)	0.27	0.55	0.34	0.83	0.20	0.40	0.99	1.40	0.90
			Section	A7-4	A7R-8	A7R-7	A7R-6	A7R-5	A7R-4	H-1	H-2	A7-1
				A7R-8	A7R-7	A7R-6	A7R-5	A7R-4	H-1	H-2	A7-1	A8-5
Hour	Direction			Speed (km/h)								
7	A7-4	→	A8-5	5.4	14.1	43.7	65.0	45.0	36.0	26.0	38.2	20.8
7	A8-5	→	A7-4	24.9	24.4	47.1	40.9	45.0	32.7	24.4	23.6	38.1
7	A7-4	→	A8-5	26.3	35.4	13.3	83.0	36.0	30.6	22.0	32.1	27.7
7	A8-5	→	A7-4	4.2	18.3	45.3	32.5	40.0	29.4	38.7	16.9	34.8
7	A8-5	→	A7-4	32.4	14.3	8.4	10.8	2.9	20.6	41.4	19.0	25.1
7	A7-4	→	A8-5	8.0	43.0	94.2	62.3	15.7	72.0	60.4	96.9	52.3
7	A8-5	→	A7-4	21.6	3.3	43.7	29.0	32.7	32.0	40.5	30.5	36.8
7	A7-4	→	A8-5	25.6	32.5	27.2	25.8	20.6	35.1	34.3	30.9	41.5
8	A7-4	→	A8-5	29.5	36.7	38.3	27.4	31.3	28.8	25.1	26.5	26.6
8	A8-5	→	A7-4	32.4	40.4	39.5	25.5	28.8	25.7	42.4	19.0	37.2
8	A7-4	→	A8-5	18.7	38.1	34.0	23.2	25.7	30.6	29.7	27.4	30.3
8	A8-5	→	A7-4	11.3	37.4	0.3	0.9	12.9	27.7	29.7	17.4	30.9
8	A8-5	→	A7-4	28.6	32.5	35.0	26.2	30.0	36.0	47.5	12.4	36.8
8	A7-4	→	A8-5	14.1	43.0	39.5	27.9	23.2	32.0	32.1	31.1	35.2
8	A8-5	→	A7-4	37.4	45.0	43.7	21.7	28.8	26.7	34.9	13.6	29.7
9	A7-4	→	A8-5	27.8	42.1	40.8	27.9	18.0	26.2	28.3	28.3	39.0
9	A8-5	→	A7-4	34.7	44.0	49.0	21.2	16.7	23.6	40.0	16.0	34.1
9	A7-4	→	A8-5	27.8	37.4	31.4	15.1	13.1	20.0	34.9	32.9	40.0
9	A7-4	→	A8-5	34.7	29.1	29.9	24.9	23.2	32.0	34.9	23.6	30.6
9	A8-5	→	A7-4	28.6	38.1	47.1	21.8	9.0	26.2	31.8	16.4	42.6
9	A7-4	→	A8-5	22.1	36.7	29.1	21.2	21.8	23.6	26.4	19.5	22.3
9	A8-5	→	A7-4	27.0	36.0	45.3	22.8	18.0	26.7	36.0	22.4	40.5
12	A7-4	→	A8-5	6.8	35.4	38.3	25.1	18.5	34.3	19.3	25.8	36.0
12	A8-5	→	A7-4	28.6	39.6	76.5	9.8	20.0	18.0	38.7	17.9	30.3
12	A7-4	→	A8-5	11.4	48.3	35.0	21.5	21.8	32.0	24.9	31.3	28.7
12	A8-5	→	A7-4	33.5	31.9	49.0	32.5	23.2	28.2	34.9	30.0	35.6
12	A8-5	→	A7-4	11.7	18.2	10.6	14.0	6.3	17.8	35.3	20.6	26.1
12	A7-4	→	A8-5	27.8	36.0	29.9	22.3	21.8	21.2	13.8	23.6	30.0
12	A8-5	→	A7-4	37.4	33.0	47.1	16.4	20.6	24.4	39.6	19.8	45.0
12	A7-4	→	A8-5	33.5	44.0	47.1	25.8	12.4	40.0	15.8	18.7	32.4
13	A7-4	→	A8-5	18.3	50.8	34.0	21.3	14.7	18.5	28.7	28.3	31.2
13	A8-5	→	A7-4	28.6	35.4	38.3	15.1	4.5	33.5	39.6	31.1	38.1
13	A7-4	→	A8-5	15.2	43.0	42.2	20.6	18.5	24.4	27.8	27.1	25.9
13	A8-5	→	A7-4	25.6	30.5	42.2	18.0	20.6	25.3	34.3	32.9	36.0
13	A7-4	→	A8-5	31.4	35.4	31.4	9.6	28.8	21.2	27.0	28.8	29.2
13	A8-5	→	A7-4	23.7	40.4	43.7	16.5	42.4	18.9	37.9	25.1	12.7
16	A7-4	→	A8-5	12.1	49.5	35.0	17.3	20.6	19.7	19.4	24.1	32.1
16	A8-5	→	A7-4	11.7	14.5	31.4	14.2	6.8	15.7			35.2
16	A7-4	→	A8-5	27.0	52.1	33.1	20.3	21.2	18.0	23.6	24.0	34.5
16	A8-5	→	A7-4	13.7	24.1	38.2	11.2	2.9	20.6	41.4	19.0	25.1
16	A7-4	→	A8-5	32.4	38.8	35.0	24.3	21.8	21.8			34.8
16	A8-5	→	A7-4	1.7	5.3	39.5	22.8	3.2	12.4	29.0	11.7	32.4
17	A8-5	→	A7-4	19.4	7.4	29.1	11.0	2.9	17.8			23.6
17	A7-4	→	A8-5	28.6	46.0	25.5	6.5	37.9	20.9	21.9	27.4	31.8
17	A8-5	→	A7-4	15.0	19.2	3.5	17.4	3.7	18.0			31.2
17	A7-4	→	A8-5	34.7	44.0	35.0	26.7	21.8	15.3			14.3
17	A8-5	→	A7-4	22.1	2.0	15.5	21.8	4.4	22.2	22.3	9.5	28.9
18	A7-4	→	A8-5	36.0	40.4	28.5	21.2	18.9	23.6	18.3	22.9	31.2
18	A7-4	→	A8-5	27.0	35.4	36.0	32.5	19.5	23.6			26.3
18	A8-5	→	A7-4	2.8	5.5	42.2	15.1	7.7	17.1	25.1	23.9	32.7

Route 6				Distance (km)	0.48	0.40	0.65	0.70	2.47	0.92	2.82
				Section	J-28	A7R-3	M-1	M-2	M-3	H-3	A8-6
					A7R-3	M-1	M-2	M-3	H-3	A8-6	J01
Hour	Direction			Speed (km/h)							
7	J-28	→	J01	18.2	24.8	30.0	27.4	13.3	22.5	22.1	
7	J01	→	J-28	13.3	23.6	26.6	25.5	15.8	20.3		
7	J01	→	J-28	18.2	24.8	30.0	27.4	18.7	26.3		
7	J-28	→	J01	19.2	21.8	28.9	25.5	19.2	20.3	13.0	
8	J-28	→	J01	18.2	23.6	30.0	17.9	26.5	22.5	22.1	
8	J01	→	J-28	13.3	24.8	24.4	25.5	26.5	22.5		
8	J01	→	J-28	13.3	34.3	26.3	31.9	13.3	23.7		
8	J-28	→	J01	16.8	25.3	26.6	26.2	26.5	28.1	13.0	
9	J-28	→	J01	17.3	27.2	24.4	25.5	18.7	28.1	13.0	
9	J01	→	J-28	16.8	23.6	16.6	35.5	26.5	38.1		
9	J01	→	J-28	16.5	23.6	35.5	35.5	26.5	22.5		
9	J-28	→	J01	17.3	27.2	24.4	37.1	25.3	30.4	14.5	
12	J01	→	J-28	12.2	16.2	20.2	35.5	19.7	15.5		
12	J-28	→	J01	8.6	18.0	24.9	31.9	21.9	27.4	34.9	
12	J-28	→	J01	12.4	17.1	21.7	28.6	20.2	30.1	19.8	
12	J01	→	J-28	12.9	15.0	20.5	26.0	25.9	26.3		
12	J-28	→	J01	13.6	15.5	36.6	33.2	27.8	22.2	23.9	
13	J01	→	J-28	14.5	30.6	26.6	44.2	20.3	16.8		
13	J-28	→	J01	17.1	14.8	33.0	35.5	25.1	27.6	14.8	
13	J01	→	J-28	8.6	19.7	26.6	31.1	19.1	13.2		
16	J01	→	J-28	18.2	24.8	30.0	27.4	18.7	26.3		
16	J-28	→	J01	19.2	31.3	23.2	25.5	19.2	20.3	22.1	
16	J01	→	J-28	13.3	34.3	26.3	31.9	13.3	23.7		
16	J-28	→	J01	8.7	32.0	17.5	16.6	50.5	26.3	21.9	
16	J01	→	J-28	28.8	40.0	16.6	25.5	19.2	20.3		
16	J-28	→	J01	13.3	34.3	26.3	31.9	13.3	23.7	26.8	
17	J-28	→	J01	16.8	25.3	26.6	26.2	15.8	28.1	26.8	
17	J01	→	J-28	16.5	23.6	35.5	35.5	26.5	22.5		
17	J01	→	J-28	16.8	25.3	26.6	26.2	15.8	28.1		
17	J-28	→	J01	16.5	23.6	35.5	35.5	26.5	22.5	13.0	
18	J-28	→	J01	17.3	27.2	24.4	37.1	25.3	20.3	13.0	
18	J01	→	J-28	16.8	23.6	16.6	25.5	25.3	30.4		
18	J01	→	J-28	17.3	27.2	24.4	37.1	25.3	30.4		

6. Pedestrian Crossing Time

Average pedestrian crossing time (sec)								
Name	Main/Sub	Direction	Male			Female		
			Young	Old	Child	Young	Old	Child
A8-1	Main	A8-2	16	19	18	16	21	21
		A7R-5	26	39	25	26	35	26
	Sub	H1	8	8	8	8	8	7
		H6	23	35	26	24	34	26
		R1-1	11	12	11	12	12	12
A8-2	Main	A8-1	15	15	17	14	15	18
		A8-7	17	18	16	17	18	17
	Sub	H5	7	9	7	7	9	6
		H6	7	7	6	7	7	9
A8-4	Main	A7-1	29	40	-	30	41	37
		A7-2	24	21	34	24	19	39
	Sub	A8-3	33	57	54	32	57	54
		A8-5	14	16	13	15	16	14
A7R-3	Main	A7R-2	19	18	18	17	19	18
		A7R-4	20	18	20	19	18	18
	Sub	M1	18	21	21	17	21	20
		Nkurumah Rd	22	20	20	21	21	22
A7R-5	Main	A7R-4	27	37	24	31	39	35
		A7R-6	16	18	17	17	18	18
	Sub	A8-1	14	14	14	14	14	14

7. Photo

○ Situation of “Outline of the Intersections, Traffic Volume Count, Pedestrian Volume Count, Queue Length, Pedestrian Crossing Time

• A8-1 intersection



• A8-2 intersection



- A8-3 intersection



- A8-4 intersection

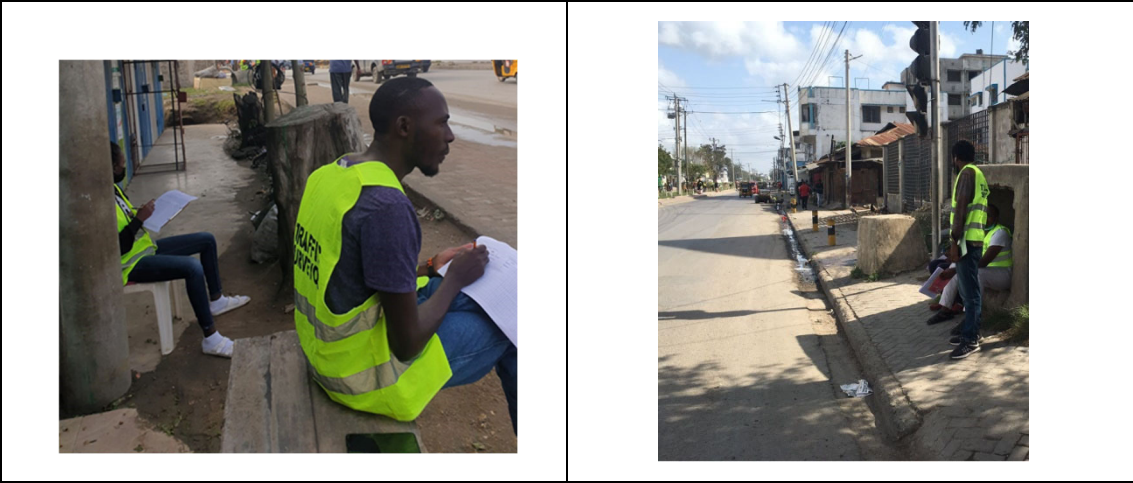


• A8-5 intersection



• A8-6 intersection

• A8-7 intersection



• A7-1 intersection



• A7-2 intersection



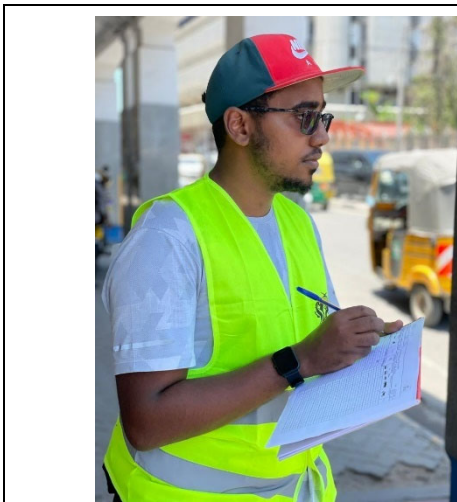
• A7-3 intersection



• A7-4



• A7-6 intersection



• A7-7 intersection



• A7-8 intersection

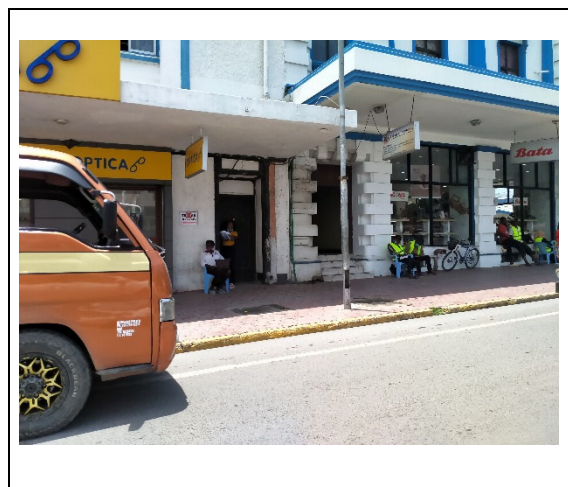
• A7-9 intersection



• A7R-2 intersection



• A7R-3 intersection



• A7R-4 intersection



• A7R-5 intersection



• A7R-6 intersection



• A7R-7 intersection

• A7R-8 intersection

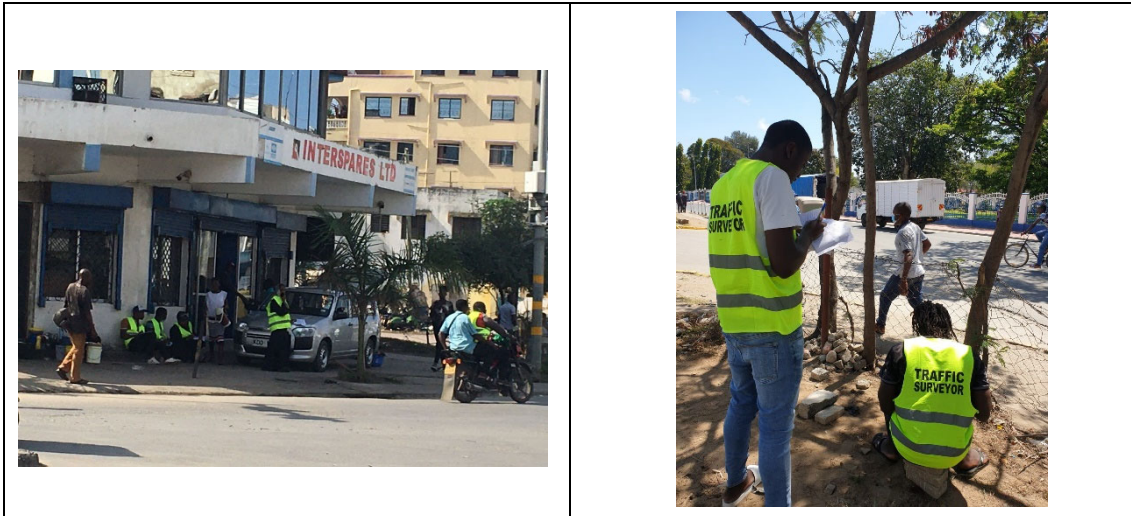


• B-02 bridge



• H-1 intersection

• H-2 intersection



• H-5 intersection



• H-6 intersection



• L-2 intersection



- L-5 intersection



- M1 intersection



• M2 intersection



• M3 intersection



○Situation of Travel Speed Survey

• Route R1



• Route R2



• Route R3



• Route R4



• Route R6



資料 6

埋設物調査報告書

PREPARATORY SURVEY
FOR
THE PROJECT FOR IMPLEMENTATION OF
INTELLIGENT TRANSPORT SYSTEM
IN
MOMBASA REGION

Utility Survey Report

October 2025

JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI ENERGY SOLUTIONS CO., LTD.

Katahira & Engineers International

Ingerosec Corporation

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Glossary

2D	Two Dimension
3D	Three Dimension
AOI	Area of Interest
ARC1960	Local Geodetic Reference Datum
BM	Benchmark
GPS	Global Positioning System
HSE	Health, Safety and Environment
ITS	Intelligent Transport System
KeNHA	Kenya National Highways Authority
KM	Kilometers
MCG	Mombasa County Government
SOK	Survey of Kenya
QA	Quality Assurance
RTK	Real Time Kinematic
WGS84	World Geodetic System of 1984
UTM	Universal Traverse Mercator

Chapter 1-Introduction

1.1 General

On the technical specifications it was stated that the contractor shall undertake topographic survey (the Works) for the Mombasa County Intelligence Transport System Project. The topographic data was to be used for the outline design and the construction of the roads, bridges, intersections and other miscellaneous facilities of the Project. Among other tasks to be undertaken by the contractor was Utility Survey (including Radar Scan Detector Survey)

1.2 Area of Interest (AOI)

The survey area was the part of Mombasa Island and the Mainland North in Mombasa County. The survey locations are shown in the Figure below. The survey area consisted of 29 sites to be improved. These intersections were selected and instructed by the JICA Team out of 37 intersections shown in the figure below.

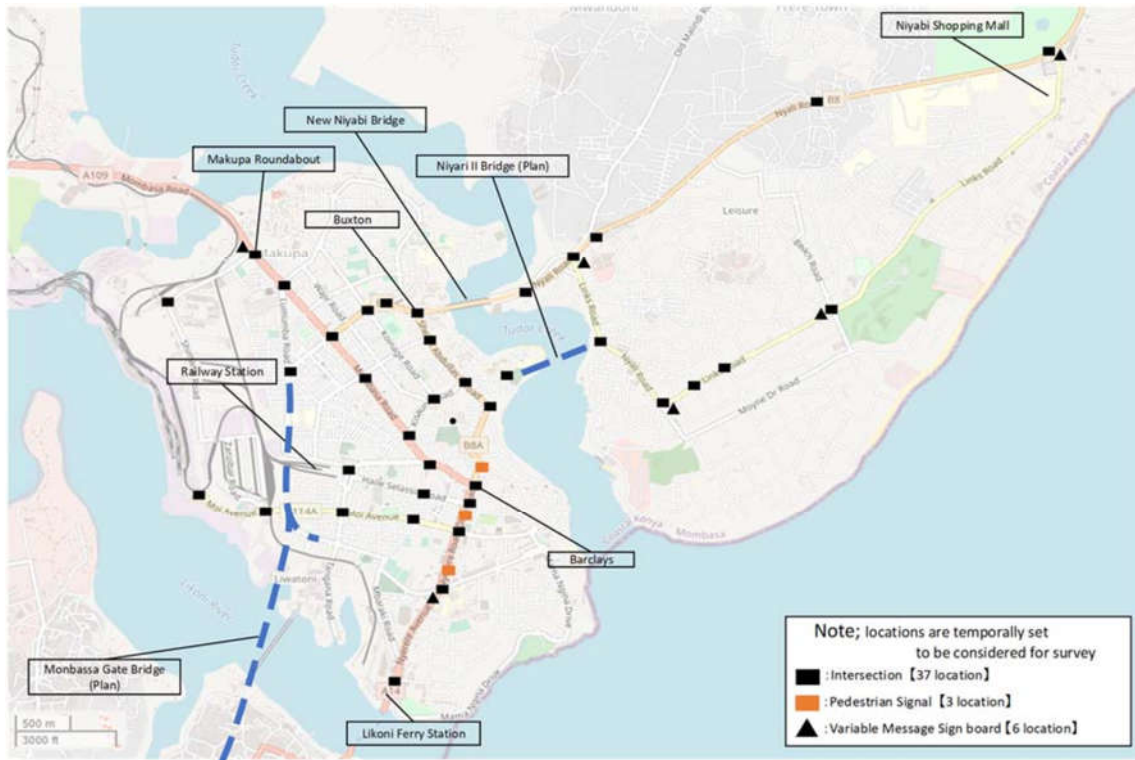


Figure 1-Location Map of the Survey Areas

The exact locations of 29 sites have been provided as shown in the figure below.

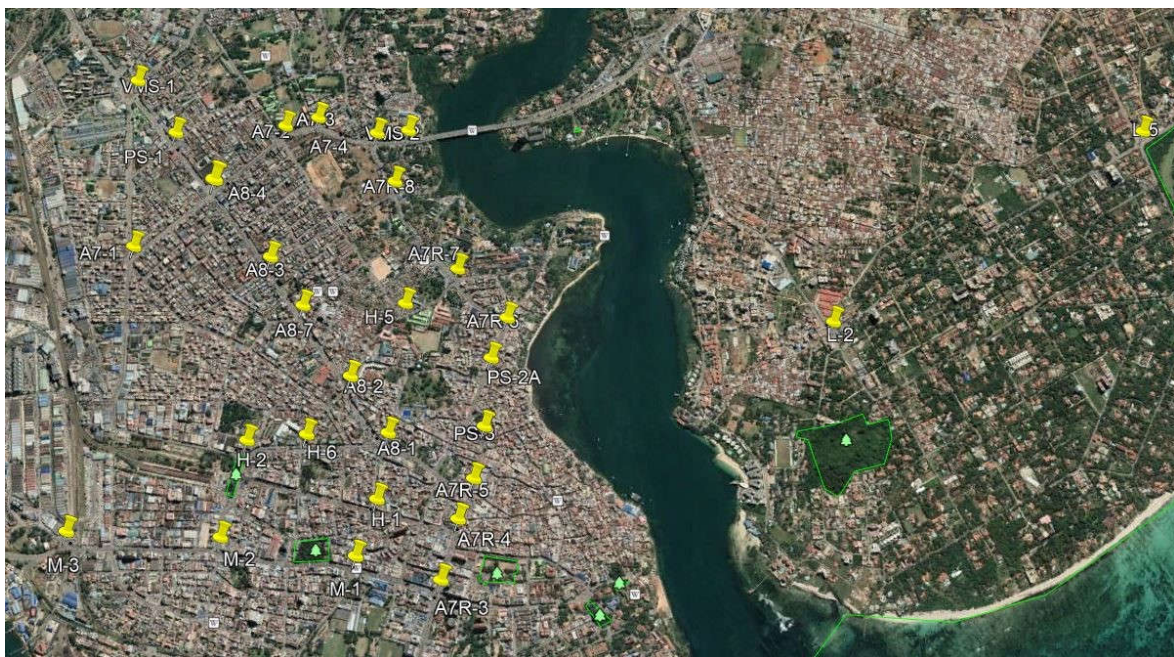


Figure 2-The 29 surveyed sites

Chapter 2-The Survey Team and Project equipment

3.1 Technical Staff

Name	Position	Reports Due/ Activities
Ephraim Magana Rukaria	Project Team Leader and contact person	Project Management Quality control of project Duty Assignment, Team leader in the field, Incharge of utility survey in the field, Utility and Land data acquisition. Handling and authentication of final project reports/ documentation
Charles Muya Kamamia	Senior Land Surveyor	Based in Nairobi, Expert in Geodetic survey of GPS controls. Based in Nairobi, incharge of Geodetic data computations and analysis.
Amos Kimutai Ngeno	Surveyor	In charge of quality control and preparation of survey drawings and plans
Stephen Kamau Wanjama	Surveyor	Establishment of control points Observations and computations, utility survey.
John Ndumia Gitari	Surveyor	Field operations, conducting topographic and utility surveys and data compilation
Benedict Odhiambo	Asst Surveyor	Field operations, conducting topographic surveys and levelling. Conducting Radar Scan Surveys.
Others	Skilled and unskilled personell	Assisting the professionals

The above personnel have been key to the successful delivery of the project.

3.2 Project equipment

No.	Type of Equipment	Model	Count	Remarks
1.	GPS/RTK	PENTAX G3100-R2 Serial no.8310215	1	Owned
2.	GPS/RTK	PENTAX G3100-R2 Serial no.8310231	1	Owned
3.	GPS/RTK	FOIF GNSS RECEIVER S/no.A90013811014	1	Owned
4.	GPS/RTK	FOIF GNSS RECEIVER S/no.A90013811058	1	Owned
5.	GPS/RTK	FOIF GNSS RECEIVER S/no.A90014810089	1	Owned
6.	TOTAL STATION	TCM 11000 Serial no. 419205	1	Owned
7.	GROUND PENETRATION RADAR (GPR)	LMX200	1	Owned
8.	AUTOMATIC LEVEL MACHINE	BOSCH GOL 32D Professional Serial no. 389624	1	Owned
9.	AUTOMATIC LEVEL MACHINE	BOSCH GOL 32D Professional Serial no. 389811	1	Owned
10.	HAND HELD GPS	GARMIN MAP 64 S	1	Owned
11.	HAND HELD GPS	GARMIN ETREX 20	2	Owned

The survey equipment had been calibrated during the mobilization period.

Chapter 3-Utility Survey Methodology

3.1 Utility Survey

3.1.1 Procedure

The surveyors followed the following procedure in addressing the utilities.

- 1) List up all utilities existing in the survey area,
- 2) Identification of the operators of the utilities,
- 3) Obtaining utility location maps from the utility operators,
- 4) Confirmation of the location of existing utilities on site referring to the utility maps with utility operators where the utility operators availed their personnel,
- 5) Confirmation of the location of the underground utilities using radar scan detector device,
- 6) Surveying the locations of identified utilities by the topographic survey team.
- 7) Surveying the level of utilities as instructed by the JICA Team.
- 8) Plotting the utility locations on the topographic map (CAD).
- 9) Submitting the utility map to the JICA Team for checking and do the corrections, if necessary

3.1.2 Utility Items Surveyed

The utility items surveyed included the followings:

- Surface water drainage
- Sewerage pipes
- Water pipes
- Communication (telephone, internet, TV cable)
- Electric power cables, poles
- Road facilities (streetlights, traffic lights) with cables
- Billboards and Advertisement boards.

3.1.3 Utility Survey Requirements

Surface water drainage

All drains and drain connections

All manholes which are within the survey area and immediate upstream and downstream manholes outside the survey area

Manhole dimensions

Sewerage Pipes

All sewers and sewer connections

All manholes within the survey area and immediate upstream or downstream manholes outside the survey area

Invert levels dimensions

Water Pipes

Pipe routes including fire mains

Valve and meter pits

Communications

Cable routes

Cable draw pits and manholes

Connections to buildings

Internal dimensions of cable draw pits and manholes

Electricity

Cable routes

Voltages classification

Transmissions

Connections to buildings

Combined services ducts

Internal box dimensions of ducts and access points

All pipes and cables identified and surveyed as for individual services

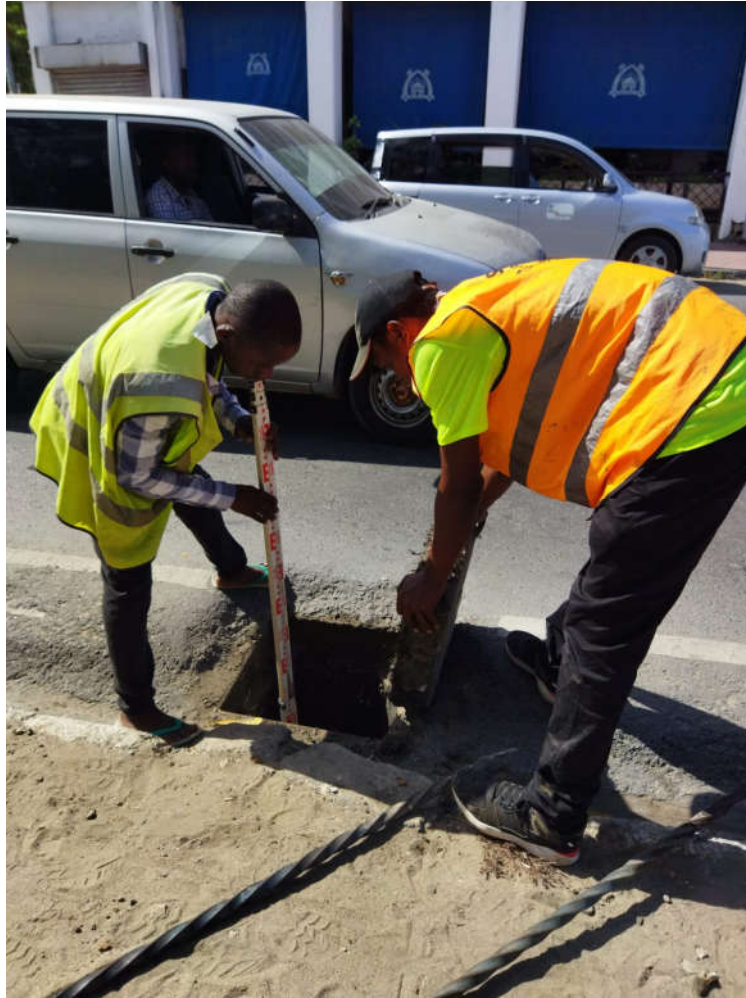


Figure 3: Measuring the depth of a manhole

3.2 Mapping and Reporting

The topographic survey team has provided a topographic map showing locations and sizes of utilities. The Scale of the utility map is 1/2000.

Descriptions and photographs of utilities are prepared and are contained in Utility inventory.

3.3 Radar Scan Detector Survey

Utilities are classified as underground, surface, and above ground services. All these services were captured and mapped during the survey. A Ground Penetrating Radar (GPR) equipment LMX200 GROUND PENETRAING RADAR ” was used to scan the underground/buried utilities, whereas the surface and above surface utilities were captured using either Total Station or RTK GPS means depending on the

ground circumstances. Data from the utility service providers were also obtained from the respective service providers to counter check the scanned data. Refer to Annex 5 for the utility survey report.



Figure 4-Radar Scan Survey

The system is versatile it can locate utilities up 5-8 metres deep at high resolution. It can locate the following utilities but it is not limited to only these:

Utility Locating

- Non-metallic pipes
- Metallic pipes
- Fiber optics
- Water boxes
- Missing valves
- Conduit



Figure 5-Radar Scan Survey Machine(LMX200)

4.9 Coordinate System and Geodetic parameters

4.9.1 Coordinate System

We used the following Co ordinate system and Projections:

Map Projection: Universal Transverse Mercator,(UTM) zone,37S

Spheroid: Clarke 1880 (modified)

Unit of measurement: Metre

Central Meridian:39°E

Latitude of origin:(Equator)

Scale factor at origin:0.9996

False Easting:500,000M

False Northing:10,000,000M

Datum:Arc 1960

4.9.2 Geodetic Parameters

These are the Geodetic Parameters used in our area of interest.

	HORIZONTAL	
NAME	WGS 84	1960 ARC
Datum	WGS84	1960 ARC
Projection	UTM	UTM
Zone	37 South	37 South
Central Meridian	33Degrees East	33 Degrees East
Units of Measure	Meters	Meters
Ellipsoid	WGS84	Clarke 1880
dX Shifts	0	-157.0
dY Shifts	0	-2.0
dZ Shifts	0	-299.0
Rotations (x/y/z)	0	0
Project Coordinate Scale Factor	0.9996	0.9996

Chapter 5-Challenges

We had some challenges during the surveying period and we will list them as follows:

- **Obstruction of GPS by buildings**
Obstruction of GPS signals by tall buildings and roof canopies during RTK observations.
- **Locked and Silted Manholes**
We could not do measurements to most of the manholes because they are either locked or silted.
- **Delay in getting Record Data from Service providers**
It took a lot of time to get the record data for utilities from some service providers causing delay. Some service providers were not able to provide personnel to accompany surveyors to the field when required.
- **Record data not up to date**
Some record data especially on water reticulation system is not update. Some of the pipes indicated are old and are no longer in use. That is why you find so many parallel lines in their record data drawn.

All the above challenges had an effect on the timelines for the completion of the project.

Appendix

Appendix 1: List of Service providers

Topographic Survey Of The Mombasa County Intelligent Transport System Project

UTILITIES SERVICE PROVIDER			
	Service Provider	Service Provider(Company)	Status
A	Mombasa County Government (MCG)		
1	Road surface drainage	Mombasa County Government (MCG)	Surveyed on the ground
2	Mombasa Storm Water Drainage	Mombasa County Government (MCG)	Data Obtained
B	Power supply		
1	Kenya Power Company Limited	Kenya Power Company Limited	Data Obtained
C	Water supply and sewerage		
1	Mombasa Water Supply Company Limited	Mombasa Water Supply and SanitationCompany (MOWASSCO)	Data Obtained
2	Mombasa Waste Water (Sewerage)	Mombasa Water Supply and SanitationCompany (MOWASSCO)	Data obtained and Service provider assisted in conducting field survey
D	Telecommunications facilities(telephone, Internet, wired, etc.)		
1	Safaricom Fiber Network,	Safaricom Limited	Data Obtained
2	Telkom Network Mombasa,	Telcom Kenya	Data obtained and Service provider assisted in conducting field survey
3	Liquid Telecom Fiber Cable Network Mombasa,	Liquid Telecom Kenya	Data Obtained
4	Mombasa JTL-Internet Company,	Jamii Telecommunication Limited	Data Obtained
5	Access Kenya Network Mombasa-Internet Company,	Internet Solutions Kenya Limited(Dimension-IS)	Data Obtained
6	Zuku Mombasa Network.	Zuku	Data Obtained
7	Frontier Optical Network-Internet Company,	Frontier	Data Obtained
8	MTN	MTN Business Kenya	Data Obtained
E	Road facility (street lights, etc.)		
1	Mombasa County Government (MCG)	From the person incharge, no records kept for traffic lights but each intersection has a control room and they are all controlled locally. They are not interconnected. Cables crosses on ducts at the intersection. The junctions wit traffic lights are A7-1, A8-4,A7-3(ABANDONED), A7-4 and A7R-4. The record for street lighting is maintained by KPLC.	

Report by Ephraim Magana Rukaria

Appendix 2: Utility Data

A7-1

Code	Northings(m)	Eastings(m)	Elevation(m)	Description
Powerposts				
P 1	9552898.513	573080.113	22.779	PPC 1
P 2	9552890.912	573070.946	22.733	PPC 2
P 3	9552865.250	573057.794	22.520	PPW 3
P 4	9552853.814	573043.800	22.328	PPW 4
P 5	9552850.367	573024.060	22.711	PPC 5
P 6	9552841.828	573029.491	22.430	PPW 6
P 7	9552833.663	573002.787	22.722	PPC 7
P 8	9552815.618	572980.377	22.517	PPC 8
P 9	9552808.408	572970.862	22.326	PPC 9
P 10	9552798.359	572959.673	22.155	PPC 10
P 11	9552793.985	572976.287	22.409	PPW 11
P 12	9552784.314	572965.939	22.362	PPC 12
P 13	9552746.396	572928.362	22.349	PPC 13
P 14	9552745.157	572928.439	22.395	PPC 14
P 15	9552746.109	572956.730	22.246	PPC 15
P 16	9552729.883	572955.474	21.569	PPC 16
P 17	9552710.067	572955.447	21.825	PPW 17
P 18	9552714.688	572970.134	21.871	PPS 18
P 19	9552701.750	572981.174	21.814	PPC 19
P 20	9552703.290	572982.447	22.003	PPC 20
P 21	9552693.511	572991.013	21.719	PPC 21
P 22	9552663.074	573019.327	22.222	PPS 22
P 23	9552619.319	573044.827	21.502	PPW 23
P 24	9552613.076	573067.204	21.415	PPS 24
P 25	9552611.222	573068.999	21.276	PPS 25
P 26	9552725.699	572927.692	22.032	PPC 26
P 27	9552724.398	572928.509	22.141	PPC 27
P 28	9552738.402	572914.835	21.740	PPW 28
P 29	9552690.582	572912.998	21.570	PPW 29
P 30	9552676.543	572926.330	21.762	PPC 30
P 31	9552676.281	572927.552	21.818	PPC 31
P 32	9552652.281	572926.260	21.786	PPC 32
P 33	9552652.816	572927.338	21.806	PPC 33
P 34	9552634.758	572938.665	21.321	PPW 34
P 35	9552615.780	572927.632	21.757	PPC 35
P 36	9552613.672	572927.714	21.719	PPCTS 36
P 37	9552598.351	572927.391	21.856	PPC 37
P 38	9552566.687	572927.633	21.493	PPW 38
P 39	9552568.428	572938.535	21.131	PPW 39
P 40	9552538.002	572927.420	21.735	PPW 40
P 41	9552568.045	572900.283	21.473	PPW 41
P 42	9552598.819	572899.493	22.100	PPC 42
P 43	9552652.117	572899.986	21.685	PPW 43
P 44	9552724.771	572898.446	21.478	PPW 44
P 45	9552771.184	572883.863	21.418	PPW 45
P 46	9552794.221	572911.318	21.939	PPS 46
P 47	9552797.775	572909.606	21.898	PPS 47

P 48	9552783.741	572883.815	21.669	PPW 48
P 49	9552784.012	572883.673	21.937	PPW 49
P 50	9552784.596	572870.172	21.865	PPW 50
P 51	9552771.724	572866.560	21.496	PPS 51
P 52	9552772.328	572846.970	21.317	PPC 52
P 53	9552788.788	572844.624	21.142	PPC 53
P 54	9552774.603	572806.959	21.109	PPS 54
P 55	9552786.336	572817.037	21.467	PPW 55
P 56	9552790.575	572789.661	21.386	PPW 56
P 57	9552776.010	572794.255	21.153	PPC 57
P 58	9552775.675	572792.248	21.218	PPC 58
P 59	9552763.369	572780.476	21.106	PPW 59
P 61	9552777.716	572745.288	21.479	PPS 61
P 60	9552791.244	572762.153	21.647	PPW 60
P 62	9552780.323	572705.447	21.554	PPC 62
P 63	9552801.218	572924.894	22.015	PPC 63
P 64	9552807.712	572935.994	21.797	PPS 64
P 65	9552837.203	572936.578	21.748	PPC 65
P 66	9552847.437	572933.675	21.575	PPC 66
P 67	9552847.648	572922.417	21.930	PPW 67
P 68	9552847.973	572907.606	21.964	PPC 68
P 69	9552879.975	572903.803	21.562	PPW 69
P 70	9552871.562	572921.148	21.758	PPC 70
P 71	9552873.205	572921.030	21.839	PPC 71
P 72	9552879.884	572920.920	21.918	PPW 72
P 73	9552880.009	572931.447	21.627	PPS 73
P 74	9552917.646	572929.318	21.706	PPS 74
P 75	9552926.065	572917.623	22.265	PPW 75
P 76	9552928.671	572917.451	22.282	PPW 76
P 77	9552925.520	572902.787	22.226	PPW 77
P 78	9552943.410	572928.022	21.706	PPW 78
P 79	9552968.462	572926.474	21.709	PPS 79
P 80	9552991.679	572925.174	21.958	PPW 80
P 81	9552984.845	572914.412	22.186	PPC 81

Building LV Connections

BLD LV	9552904.756	573107.683	23.022	BLD LV
BLD LV	9552900.254	573061.809	22.730	BLD LV
BLD LV	9552863.211	573020.103	22.415	BLD LV
BLD LV	9552854.657	573010.366	22.355	BLD LV
BLD LV	9552845.183	572998.945	22.534	BLD LV
BLD LV	9552821.372	572971.362	22.192	BLD LV
BLD LV	9552710.996	572988.275	22.361	BLD LV
BLD LV	9552657.978	573007.324	21.940	BLD LV
BLD LV	9552651.521	573014.088	21.944	BLD LV
BLD LV	9552675.526	572941.649	21.470	BLD LV
BLD LV	9552661.604	572903.216	22.351	BLD LV
BLD LV	9552790.154	572737.213	21.315	BLD LV
BLD LV	9552842.591	572907.086	21.458	BLD LV
BLD LV	9552919.709	572932.349	21.799	BLD LV

Storm Water Manholes

1	9552964.032	572926.254	21.591	MH1C-SILTED
2	9552964.659	572926.256	21.586	MH1C-SILTED
3	9552964.709	572926.776	21.634	MH1C-SILTED
4	9552964.058	572926.925	21.677	MH1C-SILTED
5	9552944.393	572926.063	21.573	MH2C-SEALED
6	9552943.850	572926.011	21.577	MH2C-SEALED
7	9552943.798	572925.457	21.614	MH2C-SEALED
8	9552944.419	572925.341	21.635	MH2C-SEALED
9	9552928.482	572928.176	21.491	MH3C-0.65M
10	9552927.781	572928.191	21.485	MH3C-0.65M
11	9552927.802	572928.758	21.722	MH3C-0.65M
12	9552928.486	572928.671	21.703	MH3C-0.65M
13	9552898.800	572928.462	21.531	MH4C
14	9552898.932	572928.492	21.529	MH4C
15	9552899.194	572928.027	21.528	MH4C
16	9552899.147	572927.949	21.528	MH4C
17	9552898.538	572927.881	21.533	MH4C
18	9552898.574	572928.021	21.530	MH4C
19	9552896.689	572930.343	21.610	MH5C-0.88M
20	9552896.372	572930.073	21.403	MH5C-0.88M
21	9552896.199	572930.356	21.533	MH5C-0.88M
22	9552866.760	572931.926	21.439	MH6C-1.04M
23	9552866.602	572932.111	21.443	MH6C-1.04M
24	9552866.274	572931.947	21.425	MH6C-1.04M
25	9552837.204	572933.314	21.497	MH7C-1.00M
26	9552836.855	572933.818	21.441	MH7C-1.00M
27	9552836.575	572933.671	21.447	MH7C-1.00M
28	9552799.697	572937.924	21.344	MH8C-1.20M
29	9552799.332	572937.661	21.390	MH8C-1.20M
30	9552798.560	572938.945	21.419	MH8C-1.20M
31	9552798.882	572939.031	21.470	MH8C-1.20M
32	9552791.841	572935.224	21.612	MH9C-SEALED
33	9552791.919	572935.179	21.608	MH9C-SEALED
34	9552792.355	572935.440	21.589	MH9C-SEALED
35	9552792.439	572935.540	21.579	MH9C-SEALED
36	9552791.992	572935.796	21.591	MH9C-SEALED
37	9552791.922	572935.690	21.590	MH9C-SEALED
38	9552806.108	572955.560	21.710	MH10C-0.6M
39	9552805.832	572955.745	21.748	MH10C-0.6M
40	9552806.183	572956.141	21.745	MH10C-0.6M
41	9552806.427	572955.978	21.736	MH10C-0.6M
42	9552821.935	572974.261	22.014	MH11C-0.42M
43	9552821.618	572974.552	22.084	MH11C-0.42M
44	9552821.921	572974.925	22.064	MH11C-0.42M
45	9552822.236	572974.680	22.077	MH11C-0.42M
46	9552838.379	572993.636	22.273	MH12C-0.35M
47	9552838.667	572994.051	22.271	MH12C-0.35M
48	9552838.380	572994.305	22.268	MH12C-0.35M

49	9552837.987	572994.011	22.315	MH12C-0.35M
50	9552854.976	573013.318	22.373	MH13C-0.55M
51	9552854.639	573013.582	22.407	MH13C-0.55M
52	9552854.964	573013.998	22.391	MH13C-0.55M
53	9552855.290	573013.743	22.378	MH13C-0.55M
54	9552870.491	573032.303	22.504	MH14C-0.60M
55	9552870.803	573032.660	22.495	MH14C-0.60M
56	9552871.142	573032.420	22.482	MH14C-0.60M
57	9552870.762	573032.062	22.472	MH14C-0.60M
58	9552889.644	573054.833	22.562	MH15C-0.75M
59	9552889.910	573054.544	22.552	MH15C-0.75M
60	9552890.259	573054.902	22.526	MH15C-0.75M
61	9552889.997	573055.117	22.537	MH15C-0.75M
62	9552905.545	573073.698	22.660	MH16C-0.64M
63	9552905.891	573074.035	22.650	MH16C-0.64M
64	9552906.110	573073.811	22.645	MH16C-0.64M
65	9552905.913	573073.401	22.638	MH16C-0.64M
66	9552922.014	573093.074	22.723	MH17C-0.95M
67	9552922.323	573092.833	22.727	MH17C-0.95M
68	9552922.639	573093.271	22.701	MH17C-0.95M
69	9552922.433	573093.483	22.715	MH17C-0.95M
70	9552934.397	573102.210	22.746	MH18C-SEALED
71	9552934.426	573102.274	22.736	MH18C-SEALED
72	9552934.945	573102.123	22.732	MH18C-SEALED
73	9552934.993	573102.064	22.728	MH18C-SEALED
74	9552934.578	573101.781	22.719	MH18C-SEALED
75	9552934.499	573101.789	22.708	MH18C-SEALED
76	9552944.022	573109.000	22.725	MH19C-SILTED
77	9552943.815	573109.417	22.736	MH19C-SILTED
78	9552944.248	573109.663	22.726	MH19C-SILTED
79	9552944.409	573109.224	22.728	MH19C-SILTED
80	9552947.342	573123.123	22.929	MH20C-SILTED
81	9552947.665	573123.464	22.910	MH20C-SILTED
82	9552947.963	573123.270	22.884	MH20C-SILTED
83	9552947.775	573122.819	22.872	MH20C-SILTED
84	9552964.261	573143.042	22.987	MH21C-1.15M
85	9552964.569	573143.397	23.003	MH21C-1.15M
86	9552964.931	573143.143	23.020	MH21C-1.15M
87	9552964.596	573142.722	23.036	MH21C-1.15M
88	9552976.887	573155.576	23.000	MH22C-SILTED
89	9552977.162	573155.872	23.006	MH22C-SILTED
90	9552977.445	573155.625	22.966	MH22C-SILTED
91	9552977.184	573155.292	22.976	MH22C-SILTED
92	9552956.831	573166.715	23.228	MH23C-SEALED
93	9552952.600	573159.411	23.011	MH24C-1.00M
94	9552952.323	573159.125	23.024	MH24C-1.00M
95	9552952.639	573158.902	22.593	MH24C-1.00M
96	9552952.849	573159.116	23.038	MH24C-1.00M
97	9552945.938	573151.627	22.948	MH25C-1.02M
98	9552945.720	573151.284	22.965	MH25C-1.02M

99	9552945.984	573151.029	22.967	MH25C-1.02M
100	9552946.223	573151.371	23.032	MH25C-1.02M
101	9552924.688	573130.446	22.980	MH26C-SILTED
102	9552924.688	573129.889	23.022	MH26C-SILTED
103	9552924.058	573129.892	23.042	MH26C-SILTED
104	9552923.978	573130.434	23.045	MH26C-SILTED
105	9552913.883	573119.364	23.011	MH27C-1.03M
106	9552913.272	573119.190	23.005	MH27C-1.03M
107	9552912.980	573119.913	22.974	MH27C-1.03M
108	9552913.702	573120.135	22.988	MH27C-1.03M
109	9552919.267	573109.183	22.958	MH28C-SEALED
110	9552918.960	573108.803	22.944	MH28C-SEALED
111	9552919.245	573108.590	22.978	MH28C-SEALED
112	9552919.613	573108.898	22.997	MH28C-SEALED
113	9552892.818	573091.469	22.640	MH29C-1.04M
114	9552892.503	573091.836	22.575	MH29C-1.04M
115	9552892.192	573091.424	22.561	MH29C-1.04M
116	9552892.451	573091.153	22.599	MH29C-1.04M
117	9552868.942	573060.305	22.513	MH30C-1.04M
118	9552868.567	573060.527	22.516	MH30C-1.04M
119	9552868.416	573060.196	22.516	MH30C-1.04M
120	9552868.695	573059.949	22.507	MH30C-1.04M
121	9552868.910	573060.287	22.508	MH30C-1.04M
122	9552850.347	573037.802	22.451	MH31C-0.60M
123	9552849.921	573038.074	22.415	MH31C-0.60M
124	9552849.591	573037.682	22.434	MH31C-0.60M
125	9552849.848	573037.481	22.416	MH31C-0.60M
126	9552836.809	573021.623	22.386	MH32C-BLOCKED
127	9552820.697	573002.735	22.100	MH33C-1.15
128	9552811.042	572991.586	22.084	MH34C-0.70
129	9552810.756	572991.830	22.027	MH34C-0.70
130	9552810.427	572991.483	22.052	MH34C-0.70
131	9552810.682	572991.233	22.034	MH34C-0.70
132	9552797.741	572975.899	21.851	MH35C-BLOCKED
133	9552797.462	572976.185	21.841	MH35C-BLOCKED
134	9552797.203	572975.858	21.840	MH35C-BLOCKED
135	9552797.453	572975.696	21.840	MH35C-BLOCKED
136	9552784.320	572960.120	21.572	MH36C-0.60M
137	9552784.062	572959.733	21.591	MH36C-0.60M
138	9552783.723	572960.032	21.545	MH36C-0.60M
139	9552783.998	572960.364	21.533	MH36C-0.60M
140	9552778.615	572953.321	21.503	MH37C-1.08M
141	9552778.473	572953.428	21.515	MH37C-1.08M
142	9552778.128	572953.283	21.490	MH37C-1.08M
143	9552778.250	572952.947	21.466	MH37C-1.08M
144	9552770.512	572944.239	21.568	MH38C-1.00M
145	9552770.126	572944.200	21.531	MH38C-1.00M
146	9552769.893	572943.732	21.557	MH38C-1.00M
147	9552769.806	572945.636	21.813	MH39C-SEALED
148	9552769.327	572945.840	21.765	MH39C-SEALED

149	9552769.430	572945.447	21.738	MH39C-SEALED
150	9552745.384	572942.319	21.406	MH40C-1.12M
151	9552745.519	572942.765	21.370	MH40C-1.12M
152	9552745.103	572943.014	21.340	MH40C-1.12M
153	9552744.945	572942.569	21.386	MH40C-1.12M
154	9552743.145	572947.273	21.526	MH41C-SEALED
155	9552742.854	572946.713	21.546	MH41C-SEALED
156	9552742.442	572946.935	21.553	MH41C-SEALED
157	9552742.520	572947.469	21.528	MH41C-SEALED
158	9552731.157	572950.415	21.243	MH42C-1.15M
159	9552731.428	572950.667	21.241	MH42C-1.15M
160	9552731.088	572951.040	21.225	MH42C-1.15M
161	9552730.788	572950.710	21.239	MH42C-1.15M
162	9552702.288	572976.976	21.473	MH43C-SILTED
163	9552702.013	572977.255	21.472	MH43C-SILTED
164	9552702.139	572977.613	21.446	MH43C-SILTED
165	9552702.555	572977.279	21.436	MH43C-SILTED
166	9552680.931	572997.028	21.603	MH44C-0.70M
167	9552680.610	572997.227	21.614	MH44C-0.70M
168	9552680.866	572997.645	21.601	MH44C-0.70M
169	9552681.178	572997.343	21.585	MH44C-0.70M
170	9552683.155	572998.373	21.767	MH45C-SEALED
171	9552681.915	572999.431	21.783	MH45C-SEALED
172	9552683.038	573000.612	21.765	MH45C-SEALED
173	9552671.100	573011.986	21.695	MH46C-SILTED
174	9552670.627	573011.992	21.714	MH46C-SILTED
175	9552670.572	573012.497	21.697	MH46C-SILTED
176	9552671.043	573012.451	21.704	MH46C-SILTED
177	9552644.195	573034.198	21.608	MH47C-1.00M
178	9552643.558	573034.687	21.675	MH47C-1.00M
179	9552643.946	573035.277	21.690	MH47C-1.00M
180	9552644.649	573034.838	21.713	MH47C-1.00M
181	9552708.024	572937.712	21.248	MH48C-1.02M
182	9552708.004	572937.255	21.268	MH48C-1.02M
183	9552707.468	572937.263	21.263	MH48C-1.02M
184	9552707.491	572937.580	21.254	MH48C-1.02M
185	9552696.337	572939.132	21.304	MH49C-BLOCKED
186	9552696.072	572939.477	21.320	MH49C-BLOCKED
187	9552696.540	572939.541	21.316	MH49C-BLOCKED
188	9552688.841	572937.758	21.173	MH50C-1.06M
189	9552688.853	572937.345	21.219	MH50C-1.06M
190	9552688.245	572937.267	21.212	MH50C-1.06M
191	9552688.102	572937.716	21.163	MH50C-1.06M
192	9552655.397	572938.048	21.066	MH51C-1.10M
193	9552655.442	572938.496	21.096	MH51C-1.10M
194	9552654.484	572938.514	21.062	MH51C-1.10M
195	9552654.389	572938.120	20.997	MH51C-1.10M
196	9552606.175	572938.152	21.361	MH52C-1.05M
197	9552606.196	572938.678	21.359	MH52C-1.05M
198	9552605.321	572938.696	21.362	MH52C-1.05M

199	9552605.281	572938.284	21.383	MH52C-1.05M
200	9552570.524	572913.767	20.659	MH53C-SEALED
201	9552570.465	572913.716	20.665	MH53C-0.90
202	9552571.509	572913.199	20.695	MH53C-0.90
203	9552571.617	572913.654	20.675	MH53C-0.90
204	9552572.081	572915.882	21.140	MH54C-0.65M
205	9552572.630	572915.849	21.185	MH54C-0.65M
206	9552572.695	572916.353	21.128	MH54C-0.65M
207	9552572.036	572916.293	21.100	MH54C-0.65M
208	9552617.849	572916.399	21.105	MH55C-0.76M
209	9552618.364	572916.328	21.113	MH55C-0.76M
210	9552617.983	572915.829	21.202	MH55C-0.76M
211	9552618.444	572915.826	21.119	MH55C-0.76M
212	9552630.051	572913.707	20.446	MH56C-0.7M
213	9552630.037	572913.242	20.538	MH56C-0.7M
214	9552631.043	572913.038	20.441	MH56C-0.7M
215	9552631.085	572913.734	20.435	MH56C-0.7M
216	9552665.545	572916.422	21.106	MH57C-0.65M
217	9552666.225	572916.498	21.095	MH57C-0.65M
218	9552666.193	572915.903	21.147	MH57C-0.65M
219	9552665.603	572915.767	21.144	MH57C-0.65M
220	9552707.000	572916.731	21.041	MH58C-1.05M
221	9552707.363	572917.081	21.036	MH58C-1.05M
222	9552707.686	572916.721	21.088	MH58C-1.05M
223	9552722.921	572912.319	20.929	MH59C-BLOCKED
224	9552723.134	572911.796	20.893	MH59C-BLOCKED
225	9552724.034	572912.545	20.971	MH59C-BLOCKED
226	9552724.201	572912.117	20.949	MH59C-BLOCKED
227	9552727.223	572916.546	21.211	MH60C-1.13M
228	9552727.247	572916.958	21.268	MH60C-1.13M
229	9552727.760	572916.902	21.242	MH60C-1.13M
230	9552727.811	572916.542	21.211	MH60C-1.13M
231	9552752.996	572915.085	21.543	MH61C-1.1M
232	9552753.674	572914.702	21.445	MH61C-1.1M
233	9552753.981	572915.208	21.528	MH61C-1.1M
234	9552753.358	572915.579	21.577	MH61C-1.1M
236	9552769.168	572900.127	21.257	MH63C-0.95M
237	9552769.685	572900.223	21.320	MH63C-0.95M
238	9552769.874	572899.587	21.345	MH63C-0.95M
239	9552769.559	572899.295	21.332	MH63C-0.95M
240	9552782.710	572793.201	20.828	MH64C-1.12M
241	9552782.708	572793.602	20.859	MH64C-1.12M
242	9552782.216	572793.598	20.905	MH64C-1.12M
243	9552782.234	572793.178	20.896	MH64C-1.12M
244	9552781.178	572823.611	20.826	MH65C-0.88M
245	9552780.809	572823.588	20.893	MH65C-0.88M
246	9552780.728	572824.117	20.871	MH65C-0.88M
247	9552781.159	572824.160	20.804	MH65C-0.88M
248	9552781.106	572891.501	21.328	MH66C-1.10M
249	9552781.684	572891.623	21.251	MH66C-1.10M

250	9552781.648	572892.237	21.267	MH66C-1.10M
251	9552781.109	572892.258	21.340	MH66C-1.10M
252	9552784.748	572907.306	21.178	MH68C-0.90M
253	9552785.037	572907.737	21.171	MH68C-0.90M
254	9552784.807	572907.582	21.146	MH68C-0.90M
255	9552811.414	572913.305	21.426	MH69C-0.74M
256	9552811.895	572913.219	21.430	MH69C-0.74M
257	9552811.960	572913.668	21.439	MH69C-0.74M
258	9552811.463	572913.665	21.438	MH69C-0.74M
259	9552906.390	572908.004	21.493	MH70C-1.48M
260	9552906.364	572908.457	21.496	MH70C-1.48M
261	9552906.813	572908.470	21.514	MH70C-1.48M
262	9552906.845	572907.989	21.508	MH70C-1.48M
263	9552950.783	572905.287	21.499	MH70C-1.48M
264	9552950.808	572905.315	21.495	MH71C-0.63M
265	9552950.786	572904.964	21.498	MH71C-0.63M
266	9552951.255	572904.875	21.522	MH71C-0.63M
267	9552951.283	572905.167	21.486	MH71C-0.63M

Liquid Manholes

MHL6	9552801.201	572946.255	21.757	MH 6 LTG
	9552800.779	572945.343	21.751	MH 6 LTG
	9552799.728	572945.661	21.778	MH 6 LTG
	9552799.979	572946.705	21.775	MH 6 LTG
	9552800.475	572945.759	21.258	INV
MHL7	9552778.283	572955.108	21.729	MH7
	9552777.338	572954.137	21.725	MH7
	9552776.796	572954.670	21.852	MH7
	9552777.649	572955.800	21.818	MH7
MHL8	9552742.583	572945.597	21.548	MH 8
	9552743.065	572945.035	21.603	MH 8
	9552742.667	572944.471	21.487	MH 8
	9552742.119	572944.886	21.533	MH 8
	9552742.687	572944.905	21.040	INV
MHL9	9552653.837	572938.638	21.418	MH8
	9552653.329	572937.957	21.254	MH8
	9552652.915	572938.669	21.455	MH8

Telkom Manholes

MH9T	9552801.325	572940.028	21.644	MH9 A7-1
	9552802.184	572940.022	21.764	MH9 A7-1
	9552801.513	572942.622	21.716	MH9 A7-1
	9552802.348	572942.468	21.852	MH9 A7-1
MH10T	9552800.077	572943.993	21.673	MH10 A7-1
	9552800.637	572943.597	21.626	MH10 A7-1
	9552801.177	572944.429	21.708	MH10 A7-1

	9552800.865	572944.723	21.718	MH10 A7-1
MH11T	9552790.105	572909.573	21.736	MH11 A7-1
	9552790.098	572910.470	21.656	MH11 A7-1
	9552792.758	572910.487	21.889	MH11 A7-1
	9552792.723	572909.625	21.921	MH11 A7-1
	9552790.829	572910.341	21.016	INV
MH12T	9552784.247	572902.517	21.614	MH12 A7-1
	9552783.210	572902.542	21.631	MH12 A7-1
	9552783.247	572899.844	21.646	MH12 A7-1
	9552784.152	572900.022	21.699	MH12 A7-1
	9552783.587	572900.761	20.564	INV
MH13T	9552765.358	572943.011	21.778	MH13 A7-1
	9552766.235	572942.401	21.725	MH13 A7-1
	9552767.050	572945.286	21.802	MH13 A7-1
	9552767.873	572944.876	21.871	MH13 A7-1
	9552766.440	572943.960	20.423	INV
MH14T	9552804.226	572950.980	21.849	MH14 A7 1
	9552805.107	572949.921	21.971	MH14 A7 1
	9552803.267	572947.848	21.773	MH14 A7 1
	9552802.405	572948.430	21.722	MH14 A7 1

Traffic Lights

TL 1	9552799.749	572942.909	21.627	Traffic Light
TL 2	9552791.052	572950.709	22.265	Traffic Light
TL 3	9552780.538	572958.354	21.833	Traffic Light
TL 4	9552551.743	572929.237	21.547	Traffic Light
TL 5	9552759.509	572942.382	21.945	Traffic Light
TL 6	9552740.471	572927.969	22.182	Traffic Light
TL 7	9552740.462	572915.266	21.725	Traffic Light
TL 8	9552764.969	572904.579	21.676	Traffic Light
TL 9	9552774.277	572904.390	21.689	Traffic Light
TL 10	9552784.063	572903.331	21.679	Traffic Light
TL 11	9552809.657	572925.996	22.065	Traffic Light
TL 12	9552810.597	572935.885	21.814	Traffic Light
TL 13	9552808.452	572912.289	21.737	Traffic Light

CCTV

CCTV1	9552762.725	572942.666	21.935	CCTV
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Internet Posts

IP 1	9552869.295	573045.413	22.761	Internet Post
IP 2	9552706.723	572994.671	22.105	Internet Post
IP 3	9552682.370	572987.510	21.979	Internet Post
IP 4	9552627.809	573034.501	21.988	Internet Post
IP 5	9552652.165	572900.551	21.690	Internet Post
IP 6	9552787.471	572908.565	21.752	Internet Post

IP 7	9552797.537	572911.308	21.830	Internet Post
IP 8	9552790.267	572750.466	21.420	Internet Post
IP 9	9552776.706	572749.623	21.475	Internet Post

Traffic Signs

TS 1	9552788.180	572947.016	21.897	Traffic Sign
TS 2	9552684.216	572986.338	21.896	Traffic Sign
TS 4	9552783.786	572903.619	21.622	Traffic Sign
TS 5	9552773.773	572833.818	21.268	Traffic Sign
TS 6	9552775.080	572808.875	21.067	Traffic Sign
TS 7	9552785.814	572749.517	21.338	Traffic Sign
TS 8	9552787.005	572728.395	21.409	Traffic Sign

Safaricom Manholes

MHSF1	9552761.704	572905.620	21.596	Safaricom Manhole
MHSF1	9552761.032	572904.946	21.597	Safaricom Manhole
MHSF1	9552760.365	572905.536	21.612	Safaricom Manhole
MHSF1	9552760.895	572906.203	21.602	Safaricom Manhole
MHSF1	9552760.871	572905.674	21.618	Safaricom Manhole
MHSF2	9552906.675	572906.748	21.715	Safaricom Manhole
MHSF2	9552905.709	572906.753	21.738	Safaricom Manhole
MHSF2	9552905.617	572906.014	21.741	Safaricom Manhole
MHSF2	9552906.621	572905.956	21.683	Safaricom Manhole
MHSF2	9552905.994	572906.310	21.732	Safaricom Manhole

A7-2 & A7-3

Powerposts

P 1	9553091.643	574191.698	17.374	POWERPOST
P 2	9553132.943	574172.441	17.821	POWERPOST
P 3	9553133.936	574174.535	17.754	POWERPOST
P 4	9553174.253	574155.163	17.797	POWERPOST
P 5	9553175.352	574156.532	18.110	POWERPOST
P 6	9553174.915	574154.619	17.886	POWERPOST
P 7	9553189.882	574174.691	16.929	POWERPOST
P 8	9553213.390	574138.540	22.376	POWERPOST
P 9	9553234.758	574129.342	18.128	POWERPOST
P 10	9553264.196	574115.410	18.209	POWERPOST
P 11	9553306.352	574097.574	17.804	POWERPOST
P 12	9553347.590	574094.367	17.045	POWERPOST
P 13	9553363.408	574093.659	16.975	POWERPOST
P 14	9553310.739	574219.119	17.520	POWERPOST
P 15	9553335.641	574229.382	17.483	POWERPOST
P 16	9553340.591	574255.873	17.672	POWERPOST
P 17	9553169.471	574118.135	18.314	POWERPOST
P 18	9553390.870	574281.605	17.670	POWERPOST
P 19	9553393.247	574280.093	17.549	POWERPOST
P 20	9553389.267	574223.585	17.410	POWERPOST
P 21	9553384.188	574120.691	17.165	POWERPOST
P 22	9553371.827	574019.472	17.364	POWERPOST
P 23	9553370.256	574019.610	17.193	POWERPOST

P 24	9553373.834	573968.070	17.864	POWERPOST
P 25	9553395.297	573909.858	18.262	POWERPOST
P26	9553418.980	573850.237	19.513	POWERPOST
P 28	9553446.214	573788.693	20.704	POWERPOST
P 29	9553446.973	573789.040	20.674	POWERPOST
P 30	9553452.894	573791.774	20.776	POWERPOST
P 31	9553464.912	573815.230	20.330	POWERPOST
P 32	9553465.363	573840.066	19.857	POWERPOST
P 33	9553488.690	573864.345	19.996	POWERPOST
P 34	9553489.922	573866.695	20.208	POWERPOST
P 35	9553510.102	573902.669	19.218	POWERPOST
P 36	9553536.449	573955.916	18.287	POWERPOST
P 37	9553520.511	573887.429	19.227	POWERPOST
P 38	9553492.765	573835.491	20.164	POWERPOST
P 39	9553492.032	573772.480	20.346	POWERPOST
P 40	9553353.996	573836.366	19.147	POWERPOST
P 41	9553436.222	573783.253	20.462	POWERPOST
P 42	9553432.095	573759.925	20.340	POWERPOST
P 43	9553422.498	573720.046	20.379	POWERPOST
P 44	9553413.439	573693.565	20.332	POWERPOST
P 45	9553413.421	573692.927	20.294	POWERPOST
P 46	9553403.723	573699.494	20.372	POWERPOST
P 47	9553402.876	573697.505	20.370	POWERPOST
P 48	9553401.875	573695.188	20.214	POWERPOST
P 49	9553400.454	573695.160	20.163	POWERPOST
P 50	9553378.746	573652.980	20.478	POWERPOST
P 51	9553379.176	573652.063	20.498	POWERPOST
P 52	9553377.992	573650.286	20.419	POWERPOST
P 53	9553377.726	573651.124	20.491	POWERPOST
P 54	9553389.465	573619.882	20.815	POWERPOST
P 55	9553433.274	573593.378	21.592	POWERPOST
P 56	9553433.538	573593.003	21.555	POWERPOST
P 57	9553467.713	573567.648	21.317	POWERPOST
P 58	9553512.665	573537.139	21.678	POWERPOST
P 59	9553520.652	573535.115	22.275	POWERPOST
P 60	9553350.399	573583.624	21.536	POWERPOST
P 61	9553317.109	573549.258	21.661	POWERPOST
P 62	9553293.781	573525.004	21.511	POWERPOST
P 63	9553266.424	573493.673	21.303	POWERPOST
P 64	9553247.685	573490.399	20.707	POWERPOST
P 65	9553268.664	573515.008	21.320	POWERPOST
P 66	9553286.643	573536.390	21.706	POWERPOST
P 67	9553287.367	573560.485	21.677	POWERPOST
P 68	9553305.637	573558.443	21.641	POWERPOST
P 69	9553321.158	573594.688	21.115	POWERPOST
P 70	9553327.642	573584.610	21.513	POWERPOST
P 71	9553329.543	573586.311	21.362	POWERPOST
P 72	9553343.218	573601.683	21.133	POWERPOST
P 73	9553343.324	573654.072	20.813	POWERPOST
P 74	9553339.800	573653.788	20.474	POWERPOST

P 75	9553324.937	573701.413	20.077	POWERPOST
P 76	9553282.237	573704.487	20.227	POWERPOST
P 77	9553249.437	573716.859	19.861	POWERPOST
P 78	9553273.058	573759.351	19.732	POWERPOST
P 79	9553235.932	573723.151	19.763	POWERPOST
P 80	9553234.714	573723.966	19.742	POWERPOST
P 81	9553225.774	573730.166	19.669	POWERPOST
P 82	9553217.146	573737.155	19.670	POWERPOST
P 83	9553216.194	573735.874	19.595	POWERPOST
P 84	9553212.167	573713.181	19.486	POWERPOST
P 85	9553212.819	573713.872	19.501	POWERPOST
P 86	9553243.360	573704.828	21.073	POWERPOST
P 87	9553289.461	573668.069	20.411	POWERPOST
P 88	9553249.412	574087.038	18.430	POWERPOST
P 89	9553285.653	574064.890	17.936	POWERPOST
P 90	9553304.901	574053.522	18.407	POWERPOST
P 91	9553358.264	573922.237	18.575	POWERPOST
P 92	9553358.072	573919.728	18.473	POWERPOST
P 93	9553359.744	573919.553	18.740	POWERPOST
P 94	9553359.428	573922.106	18.820	POWERPOST

Street Lights

SL 1	9553145.584	574152.829	18.034	STREET LIGHT
SL 2	9553185.642	574135.498	18.205	STREET LIGHT
SL 3	9553216.562	574122.241	18.221	STREET LIGHT
SL 4	9553252.556	574103.628	18.033	STREET LIGHT
SL 5	9553347.211	574139.180	17.104	STREET LIGHT
SL 6	9553346.004	574092.003	17.081	STREET LIGHT
SL 7	9553334.357	574044.259	17.683	STREET LIGHT
SL 8	9553363.279	574045.212	17.118	STREET LIGHT
SL 9	9553366.145	574019.192	17.012	STREET LIGHT
SL 10	9553356.618	573982.271	17.340	STREET LIGHT
SL 11	9553373.544	573970.897	17.897	STREET LIGHT
SL 12	9553381.480	573940.062	17.704	STREET LIGHT
SL 13	9553365.148	573916.572	19.749	STREET LIGHT
SL 14	9553382.604	573879.782	18.597	STREET LIGHT
SL 15	9553397.878	573841.082	19.215	STREET LIGHT
SL 16	9553405.827	573799.394	19.587	STREET LIGHT
SL 17	9553431.787	573812.551	19.967	STREET LIGHT
SL 18	9553499.018	573852.562	19.855	STREET LIGHT
SL 19	9553403.949	573759.397	19.646	STREET LIGHT
SL 20	9553396.369	573719.145	20.099	STREET LIGHT
SL 21	9553381.127	573682.960	20.271	STREET LIGHT
SL 22	9553365.178	573655.435	20.486	STREET LIGHT
SL 23	9553345.850	573625.829	20.672	STREET LIGHT
SL 24	9553359.498	573601.882	21.064	STREET LIGHT
SL 25	9553384.366	573633.997	20.678	STREET LIGHT
SL 26	9553409.794	573684.074	20.405	STREET LIGHT
SL 27	9553287.168	573688.777	20.107	STREET LIGHT
SL 28	9553339.966	574001.470	17.455	STREET LIGHT

SL 29	9553349.870	573960.072	17.909	STREET LIGHT
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Internet Posts

IP 1	9553533.357	573911.485	19.129	INTERNET POST
IP 2	9553508.680	573902.245	19.299	INTERNET POST
IP 3	9553301.404	573686.867	20.523	INTERNET POST
IP 4	9553492.227	573834.159	20.306	INTERNET POST
IP 5	9553245.827	573464.772	20.341	INTERNET POST
IP 6	9553462.965	573775.347	20.297	INTERNET POST
IP 7	9553519.979	573925.293	18.920	INTERNET POST
IP 8	9553277.575	573676.972	19.996	INTERNET POST
IP 9	9553471.661	573794.159	20.853	INTERNET POST
IP 10	9553381.601	574072.569	16.288	INTERNET POST
IP 11	9553474.312	573804.314	20.817	INTERNET POST
IP 12	9553507.245	573862.294	19.733	INTERNET POST
IP 13	9553518.569	573883.893	19.321	INTERNET POST
IP 14	9553534.891	573958.274	18.276	INTERNET POST
IP 15	9553520.442	573927.080	18.868	INTERNET POST

Safaricom Manholes

1	9553108.121	574186.310	17.332	MH 1 SAFARICOM
2	9553108.417	574186.858	17.377	MH 1 SAFARICOM
3	9553109.135	574186.463	17.384	MH 1 SAFARICOM
4	9553108.838	574185.919	17.360	MH 1 SAFARICOM
5	9553108.607	574186.371	17.363	MH 1 SAFARICOM
6	9553325.840	574109.557	17.148	MH 2 SAFARICOM DIAMETER 0.62M
7	9553384.433	574108.788	16.804	MH3 SAFARICOM
8	9553384.001	574109.297	16.819	MH3 SAFARICOM
9	9553384.434	574109.246	16.813	MH3 SAFARICOM
10	9553387.751	574335.436	17.908	MH 4 SAFARICOM
11	9553388.430	574335.422	17.896	MH 4 SAFARICOM
12	9553388.492	574336.258	17.881	MH 4 SAFARICOM
13	9553387.826	574336.320	17.870	MH 4 SAFARICOM
14	9553379.590	573948.197	17.518	MH 5 SAFARICOM
15	9553380.465	573948.389	17.524	MH 5 SAFARICOM
16	9553380.311	573949.201	17.521	MH 5 SAFARICOM
17	9553379.444	573949.077	17.493	MH 5 SAFARICOM
18	9553443.858	573787.258	20.664	MH 6 SAFARICOM
19	9553444.600	573787.688	20.675	MH 6 SAFARICOM
20	9553444.233	573786.473	20.661	MH 6 SAFARICOM
21	9553444.911	573786.823	20.677	MH 6 SAFARICOM
22	9553554.826	573929.362	18.716	MH 7 SAFARICOM
23	9553554.812	573928.538	18.728	MH 7 SAFARICOM
24	9553555.659	573928.373	18.810	MH 7 SAFARICOM
25	9553555.786	573929.299	18.737	MH 7 SAFARICOM
26	9553563.120	573953.834	18.750	MH 8 SAFARICOM
27	9553563.999	573953.832	18.780	MH 8 SAFARICOM
28	9553563.997	573954.520	18.728	MH 8 SAFARICOM
29	9553563.099	573954.567	18.684	MH 8 SAFARICOM

Water Manholes

1	9553534.160	573915.176	18.825	MH 15 WATER
2	9553533.068	573913.234	18.812	MH 15 WATER
3	9553531.117	573914.259	18.574	MH 15 WATER
4	9553532.195	573916.252	18.632	MH 15 WATER
5	9553532.386	573914.880	17.348	MH 15 WATER PIPE TOP 0.7M
6	9553532.632	573914.789	16.895	MH 15 WATER PIPE INV
7	9553532.555	573914.840	17.332	MH 15 WATER PIPE INV 2INCH

JTL Manholes

10	9553348.143	573647.635	19.975	JTL MH2
11	9553348.387	573647.674	19.219	JTL MH2 INVT
12	9553348.486	573648.372	20.016	JTL MH2
13	9553349.271	573648.009	20.004	JTL MH2
14	9553349.003	573647.283	19.979	JTL MH2

MTN Manholes

343	9553351.879	573650.416	20.839	MTN MH 5
344	9553350.939	573650.317	20.708	MTN MH 5
345	9553350.860	573651.216	20.655	MTN MH 5
346	9553351.746	573651.316	20.863	MTN MH 5
347	9553446.973	573791.149	20.519	MTN MH 6
348	9553446.122	573791.463	20.496	MTN MH 6
349	9553445.821	573790.628	20.498	MTN MH 6
350	9553446.637	573790.332	20.468	MTN MH 6

Telkom Manholes

MH1T	9553537.449	573921.291	18.713	MH1 A7-3
	9553538.472	573920.361	18.757	MH1 A7-3
	9553540.482	573923.100	18.725	MH1 A7-3
	9553539.232	573924.131	18.662	MH1 A7-3
	9553538.777	573922.210	17.788	INV
MH2T	9553466.793	573795.291	20.700	MH2 A7-3
	9553467.419	573794.861	20.686	MH2 A7-3
	9553467.145	573794.367	20.701	MH2 A7-3
	9553466.423	573794.583	20.682	MH2 A7-3
	9553465.390	573793.630	19.940	MH2 A7-3
MH3T	9553283.418	573693.680	20.099	MH3 A7-2
	9553283.814	573694.170	20.090	MH3 A7-2
	9553282.811	573695.002	20.089	MH3 A7-2
	9553282.326	573694.527	20.110	MH3 A7-2
MH4T	9553249.061	573718.322	19.697	MH4 A7-2
	9553249.659	573719.010	19.739	MH4 A7-2
	9553248.351	573719.829	19.743	MH4 A7-2
	9553247.875	573719.221	19.752	MH4 A7-2
MH5T	9553238.177	573450.831	19.936	MH 5 A7-4

	9553237.872	573450.205	20.052	MH 5 A7-4
	9553239.400	573450.427	20.155	MH 5 A7-4
	9553239.132	573449.833	20.097	MH 5 A7-4

Liquid Manholes

MH1L	9553373.369	573969.554	17.396	MH1 LIQUID
	9553373.989	573969.775	17.442	MH1 LIQUID
	9553373.687	573968.425	17.877	MH1 LIQUID
	9553374.277	573968.692	17.777	MH1 LIQUID
MHL2	9553442.163	573828.570	19.856	MH2 LIQUID
	9553442.799	573828.697	19.866	MH2 LIQUID
	9553443.102	573827.546	19.850	MH2 LIQUID
	9553442.473	573827.452	19.840	MH2 LIQUID
	9553442.779	573827.657	19.447	INV
MH17L	9553346.544	573628.974	20.545	MH17 LIQUID
	9553347.220	573628.392	20.576	MH17 LIQUID
	9553348.074	573629.013	20.559	MH17 LIQUID
	9553347.333	573629.776	20.564	MH17 LIQUID

Storm Water

1	9553247.913	573704.811	19.668	MH1A-SEALED
2	9553248.344	573705.115	19.631	MH1A-SEALED
3	9553247.937	573705.342	19.614	MH1A-SEALED
4	9553272.227	573689.934	19.715	MH2A-1.08
5	9553271.939	573690.250	19.719	MH2A-1.08
6	9553272.332	573690.614	19.731	MH2A-1.08
7	9553272.628	573690.286	19.719	MH2A-1.08
8	9553296.774	573672.886	19.913	MH3A-1.3
9	9553297.082	573673.293	19.926	MH3A-1.3
10	9553296.694	573673.572	19.928	MH3A-1.3
11	9553296.400	573673.215	19.914	MH3A-1.3
12	9553355.803	573644.753	20.103	MH4A-0.65
13	9553355.802	573644.273	20.133	MH4A-0.65
14	9553356.310	573644.230	20.152	MH4A-0.65
15	9553356.331	573644.788	20.112	MH4A-0.65
16	9553348.906	573635.793	20.243	MH5A-1.16
17	9553349.300	573635.978	20.238	MH5A-1.16
18	9553349.508	573635.490	20.230	MH5A-1.16
19	9553349.079	573635.315	20.240	MH5A-1.16
20	9553339.827	573615.811	20.567	MH6A-0.65
21	9553340.117	573616.276	20.478	MH6A-0.65
22	9553340.550	573615.971	20.601	MH6A-0.65
23	9553340.223	573615.535	20.594	MH6A-0.65
24	9553327.909	573601.095	20.743	MH7A-0.7
25	9553328.221	573601.494	20.715	MH7A-0.7
26	9553328.562	573601.220	20.748	MH7A-0.7
27	9553328.270	573600.770	20.793	MH7A-0.7
28	9553315.694	573586.381	20.990	MH8A-SILTED

29	9553316.015	573586.798	20.984	MH8A-SILTED
30	9553316.416	573586.439	21.111	MH8A-SILTED
31	9553316.068	573586.043	21.107	MH8A-SILTED
32	9553303.193	573571.167	21.208	MH9A-SILTED
33	9553302.942	573570.728	21.204	MH9A-SILTED
34	9553302.571	573571.037	21.197	MH9A-SILTED
35	9553302.952	573571.529	21.173	MH9A-SILTED
36	9553276.660	573540.609	21.109	MH10A-SILTED
37	9553276.984	573540.317	21.144	MH10A-SILTED
38	9553276.761	573539.916	21.111	MH10A-SILTED
39	9553276.355	573540.189	21.101	MH10A-SILTED
40	9553271.588	573536.938	21.210	MH11A-SILTED
41	9553271.582	573536.975	21.206	MH11A-SEALED
42	9553271.144	573537.309	21.235	MH11A-SEALED
43	9553263.343	573525.008	20.911	MH12A-SILTED
44	9553262.948	573524.529	20.910	MH12A-SILTED
45	9553263.330	573524.172	20.896	MH12A-SILTED
46	9553263.674	573524.575	20.919	MH12A-SILTED
47	9553249.911	573509.125	20.494	MH12A-SILTED
48	9553249.894	573509.093	20.521	MH13A-SILTED
49	9553250.305	573508.708	20.617	MH13A-SILTED
50	9553250.678	573509.098	20.632	MH13A-SILTED
51	9553250.255	573509.440	20.550	MH13A-SILTED
52	9553238.124	573494.564	20.177	MH14A-1.15M
53	9553237.820	573494.768	20.129	MH14A-1.15M
54	9553237.442	573494.426	20.128	MH14A-1.15M
55	9553237.797	573494.122	20.233	MH14A-1.15M
56	9553222.291	573482.388	19.601	MH15A-SILTED
57	9553222.302	573481.843	19.639	MH15A-SILTED
58	9553221.761	573481.735	19.676	MH15A-SILTED
59	9553221.692	573482.259	19.630	MH15A-SILTED
60	9553222.535	573478.802	19.709	MH16A-SEALED
61	9553223.035	573478.420	19.718	MH16A-SEALED
62	9553222.690	573477.950	19.725	MH16A-SEALED
63	9553222.117	573478.320	19.720	MH16A-SEALED
64	9553229.153	573465.414	19.944	MH17A-SILTED
65	9553229.462	573465.081	20.077	MH17A-SILTED
66	9553229.872	573465.465	20.092	MH17A-SILTED
67	9553229.483	573465.825	19.968	MH17A-SILTED
68	9553252.959	573493.438	20.710	MH18A-SILTED
69	9553253.335	573493.127	20.875	MH18A-SILTED
70	9553253.640	573493.466	20.895	MH18A-SILTED
71	9553253.333	573493.837	20.732	MH18A-SILTED
72	9553275.659	573520.071	21.260	MH19A-1.50M
73	9553276.057	573519.713	21.439	MH19A-1.50M
74	9553276.370	573520.108	21.457	MH19A-1.50M
75	9553276.033	573520.516	21.276	MH19A-1.50M
76	9553300.748	573549.535	21.499	MH20-SILTED
77	9553301.074	573549.939	21.496	MH20-SILTED
78	9553301.582	573549.553	21.679	MH20-SILTED

79	9553301.210	573549.162	21.687	MH20-SILTED
80	9553327.329	573580.735	21.220	MH21A-SILTED
81	9553327.571	573581.149	21.210	MH21A-SILTED
82	9553327.961	573580.807	21.272	MH21A-SILTED
83	9553327.660	573580.440	21.349	MH21A-SILTED
84	9553384.985	573613.635	20.429	MH22A-1.16
85	9553383.890	573614.366	20.444	MH22A-1.16
86	9553384.211	573614.727	20.474	MH22A-1.16M
87	9553385.206	573614.048	20.483	MH22A-1.16M
88	9553371.514	573617.134	20.339	MH23A-0.96M
89	9553371.272	573616.850	20.351	MH23A-0.96M
90	9553371.868	573616.735	20.340	MH23A-0.96M
91	9553359.518	573604.620	20.682	MH24A-SILTED
92	9553359.143	573604.838	20.751	MH24A-SILTED
93	9553358.846	573604.563	20.762	MH24A-SILTED
94	9553359.138	573604.212	20.698	MH24A-SILTED
95	9553348.897	573591.971	20.837	MH25A-0.84M
96	9553348.533	573591.526	20.857	MH25A-0.84M
97	9553348.201	573591.848	20.860	MH25A-0.84M
98	9553348.404	573592.186	20.858	MH25A-0.84M
99	9553333.812	573574.669	21.224	MH26A-SILTED
100	9553333.444	573574.324	21.253	MH26A-SILTED
101	9553333.799	573573.986	21.157	MH26A-SILTED
102	9553334.138	573574.344	21.171	MH26A-SILTED
103	9553311.074	573547.865	21.471	MH27A-SILTED
104	9553311.377	573548.230	21.470	MH27A-SILTED
105	9553311.766	573547.975	21.442	MH27A-SILTED
106	9553311.411	573547.580	21.452	MH27A-SILTED
107	9553282.621	573513.654	21.228	MH28A-SILTED
108	9553282.332	573513.286	21.222	MH28A-SILTED
109	9553281.865	573513.584	21.346	MH28A-SILTED
110	9553282.264	573513.846	21.329	MH28A-SILTED
111	9553265.389	573493.423	20.814	MH29A-SILTED
112	9553265.057	573493.038	20.820	MH29A-SILTED
113	9553264.855	573493.235	20.849	MH29A-SILTED
114	9553265.180	573493.607	20.854	MH29A-SILTED
115	9553249.766	573475.070	20.315	MH30A-SILTED
116	9553249.388	573475.451	20.481	MH30A-SILTED
117	9553249.489	573474.089	22.769	MH30A-SILTED
118	9553249.971	573473.687	22.624	MH30A-SILTED
1	9553435.927	573824.329	19.657	MH1B
2	9553436.450	573824.297	19.661	MH1B
3	9553436.461	573824.780	19.644	MH1B
4	9553435.938	573824.793	19.628	MH1B-1M
5	9553448.150	573826.696	19.724	MH2B
6	9553447.990	573827.125	19.706	MH2B
7	9553448.488	573827.310	19.696	MH2B
8	9553448.630	573826.861	19.728	MH2B-1.18
9	9553461.710	573833.906	19.663	MH3B-1.24
10	9553461.445	573834.285	19.661	MH3B-1.24

11	9553461.877	573834.571	19.646	MH3B-1.24
12	9553462.088	573834.207	19.645	MH3B-1.24
13	9553461.225	573836.205	19.842	MH4B-1.8
14	9553460.866	573835.757	19.845	MH4B-1.8
15	9553460.818	573836.305	19.863	MH4B-1.8
16	9553477.270	573846.947	19.441	MH5B-1.1
17	9553477.647	573847.312	19.444	MH5B-1.1
18	9553477.952	573846.948	19.496	MH5B-1.1
19	9553477.649	573846.613	19.502	MH5B-1.1
20	9553491.340	573862.990	19.140	MH6B-0.9
21	9553491.601	573862.780	19.162	MH6B-0.9
22	9553491.922	573863.190	19.156	MH6B-0.9
23	9553491.645	573863.388	19.149	MH6B-0.9
24	9553492.758	573864.672	19.149	MH7B-SEALED
25	9553491.760	573865.341	19.151	MH7B-SEALED
26	9553492.552	573866.514	19.157	MH7B-SEALED
27	9553493.568	573865.840	19.142	MH7B-SEALED
28	9553498.718	573873.532	19.050	MH8B-SEALED
29	9553499.036	573873.963	19.052	MH8B-SEALED
30	9553499.269	573873.784	19.080	MH8B-SEALED
31	9553499.045	573873.452	19.056	MH8B-SEALED
32	9553498.083	573873.122	19.246	MH9B-SEALED
33	9553496.819	573873.817	19.256	MH9B-SEALED
34	9553497.582	573875.015	19.256	MH9B-SEALED
35	9553498.761	573874.370	19.219	MH9B-SEALED
36	9553507.617	573890.090	18.875	MH10B-0.86
37	9553507.933	573889.915	18.886	MH10B-0.86
38	9553508.176	573890.353	18.881	MH10B-0.86
39	9553507.849	573890.543	18.869	MH10B-0.86
40	9553507.063	573889.789	19.006	MH11B-SEALED
41	9553506.070	573890.338	19.012	MH11B-SEALED
42	9553506.635	573891.498	19.016	MH11B-SEALED
43	9553507.690	573890.994	19.006	MH11B-SEALED
44	9553521.046	573915.216	18.431	MH12B-SEALED
45	9553521.252	573915.663	18.444	MH12B-0.86
46	9553521.550	573915.502	18.452	MH12B-0.86
47	9553521.368	573915.051	18.454	MH12B-0.86
48	9553520.319	573916.633	18.507	MH13B-SEALED
49	9553521.493	573916.095	18.528	MH13B-SEALED
50	9553522.581	573918.258	18.512	MH13B-SEALED
51	9553521.355	573918.874	18.512	MH13B-SEALED
52	9553452.623	573812.779	20.191	MH14B-SEALED
53	9553453.746	573813.575	20.200	MH14B-SEALED
54	9553435.722	573798.134	19.731	MH15B-SEALED
55	9553435.507	573797.660	19.708	MH15B-SEALED
56	9553435.179	573797.799	19.754	MH15B-0.9
57	9553435.432	573798.245	19.762	MH15B-0.9
58	9553435.621	573796.877	19.933	MH16B
59	9553436.566	573797.962	19.962	MH16B-SEALED
60	9553437.630	573796.981	19.943	MH16B-SEALED

61	9553436.674	573795.952	19.942	MH16B-SEALED
62	9553433.229	573790.936	19.742	MH17B-0.77
63	9553433.364	573791.442	19.736	MH17B-0.77
64	9553432.885	573791.513	19.757	MH17B-0.77
65	9553432.775	573791.067	19.778	MH17B-0.77
66	9553431.229	573771.179	19.800	MH18B-SILTED`
67	9553431.277	573770.578	19.801	MH18B-SILTED`
68	9553430.777	573770.641	19.908	MH18B-SILTED`
69	9553430.865	573771.211	19.867	MH18B-SILTED`
70	9553432.323	573768.254	19.947	MH19B-SEALED
71	9553431.001	573768.407	19.955	MH19B-SEALED
72	9553430.861	573767.023	19.970	MH19B-SEALED
73	9553432.200	573766.906	19.970	MH19B-SEALED
74	9553429.462	573744.650	20.257	MH20B-SEALED
75	9553429.070	573743.306	20.244	MH20B-SEALED
76	9553427.752	573743.743	20.199	MH20B-SEALED
77	9553428.078	573745.051	20.215	MH20B-SEALED
78	9553420.041	573713.285	20.259	MH21B-SEALED
79	9553420.610	573714.349	20.228	MH21B-SEALED
80	9553419.398	573714.929	20.165	MH21B-SEALED
81	9553418.840	573713.628	20.219	MH21B-SEALED
82	9553408.265	573686.589	19.958	MH22B-SILTED
83	9553407.932	573686.740	19.981	MH22B-SILTED
84	9553407.781	573686.258	19.978	MH22B-SILTED
85	9553408.028	573686.124	19.952	MH22B-SILTED
86	9553407.844	573685.851	20.061	MH23B-SEALED
87	9553407.231	573684.539	20.044	MH23B-SEALED
88	9553408.412	573683.984	20.142	MH23B-SEALED
89	9553409.096	573685.277	20.160	MH23B-SEALED
90	9553393.389	573656.622	20.286	MH24B-SEALED
91	9553394.049	573657.739	20.271	MH24B-SEALED
92	9553395.323	573657.229	20.259	MH24B-SEALED
93	9553394.666	573655.820	20.249	MH24B-SEALED
94	9553384.237	573632.747	20.582	MH25B-SEALED
95	9553384.082	573631.322	20.555	MH25B-SEALED
96	9553385.385	573631.145	20.625	MH25B-SEALED
97	9553374.172	573641.629	20.255	MH26B-SILTED
98	9553374.454	573642.090	20.254	MH26B-SILTED
99	9553374.828	573641.822	20.346	MH26B-SILTED
100	9553374.570	573641.382	20.346	MH26B-SILTED
101	9553368.337	573655.575	19.796	MH27B-SILTED
102	9553368.603	573655.928	19.797	MH27B-SILTED
103	9553369.012	573655.706	20.011	MH27B-SILTED
104	9553368.754	573655.352	20.369	MH27B-SILTED
105	9553384.753	573658.343	20.007	MH28B-SILTED
106	9553384.778	573658.363	20.018	MH28B-1.02
107	9553385.211	573658.100	20.095	MH28B-1.02
108	9553384.938	573657.722	20.106	MH28B-1.02
109	9553384.439	573657.958	20.004	MH28B-1.02
110	9553378.317	573672.072	19.934	MH29B-BLOCKED

111	9553378.104	573671.685	19.931	MH29B-BLOCKED
112	9553378.481	573671.428	19.990	MH29B-BLOCKED
113	9553378.719	573671.863	20.018	MH29B-BLOCKED
114	9553386.352	573687.349	19.846	MH30B-SILTED
115	9553386.369	573687.351	19.849	MH30B-SILTED
116	9553386.586	573687.805	19.831	MH30B-SILTED
117	9553386.994	573687.584	19.874	MH30B-SILTED
118	9553386.773	573687.131	19.876	MH30B-SILTED
119	9553394.481	573675.690	19.918	MH31B-SILTED
120	9553394.701	573676.141	19.910	MH31B-SILTED
121	9553395.109	573675.936	20.005	MH31B-SILTED
122	9553394.851	573675.488	19.974	MH31B-SILTED
123	9553403.053	573693.668	19.891	MH32B-SILTED
124	9553402.842	573693.190	19.882	MH32B-SILTED
125	9553403.260	573693.014	20.010	MH32B-SILTED
126	9553403.446	573693.513	19.942	MH32B-SILTED
127	9553388.726	573697.023	19.976	MH31B-SILTED
128	9553389.044	573696.605	19.963	MH33B-SILTED
129	9553388.501	573696.642	19.958	MH33B-SILTED
130	9553388.753	573697.039	19.975	MH33B-SILTED
131	9553394.155	573704.775	19.737	MH34B-SILTED
132	9553394.327	573705.308	19.729	MH34B-SILTED
133	9553394.756	573705.096	19.779	MH34B-SILTED
134	9553394.547	573704.664	19.798	MH34B-SILTED
135	9553410.170	573712.084	19.921	MH35B-1.04
136	9553410.599	573711.948	19.986	MH35B-1.04
137	9553410.767	573712.434	19.945	MH35B-1.04
138	9553410.316	573712.600	19.921	MH35B-1.04
139	9553400.676	573724.147	19.663	MH3B-SILTED
140	9553400.250	573724.184	19.641	MH3B-SILTED
141	9553400.302	573724.696	19.644	MH3B-SILTED
142	9553400.754	573724.612	19.661	MH3B-SILTED
143	9553400.763	573724.629	19.662	MH36B-SILTED
144	9553400.678	573724.081	19.662	MH36B-SILTED
145	9553400.242	573724.164	19.646	MH36B-SILTED
146	9553400.265	573724.709	19.640	MH36B-SILTED
147	9553398.936	573736.296	19.773	MH37B
148	9553399.285	573736.723	19.770	MH37B
149	9553398.795	573736.840	19.780	MH37B
150	9553415.969	573731.662	19.856	MH38B-SILTED
151	9553416.121	573732.190	19.873	MH38B-SILTED
152	9553416.555	573732.050	19.910	MH38B-SILTED
153	9553416.442	573731.540	19.921	MH38B-SILTED
154	9553415.678	573736.562	19.996	MH39B-SILTED
155	9553415.863	573737.035	19.991	MH39B-SILTED
156	9553416.108	573736.616	20.004	MH39B-SILTED
157	9553402.110	573744.953	19.529	MH39B-SILTED
158	9553402.160	573744.949	19.507	MH40B-SILTED
159	9553402.012	573744.518	19.524	MH40B-SILTED
160	9553406.522	573764.766	19.488	MH41B-SILTED

161	9553406.463	573764.293	19.501	MH41B-SILTED
162	9553406.865	573764.126	19.588	MH41B-SILTED
163	9553407.009	573764.633	19.574	MH41B-SILTED
164	9553419.708	573751.192	19.803	MH42B-SILTED
165	9553419.566	573750.708	19.820	MH42B-SILTED
166	9553419.959	573750.672	19.907	MH42B-SILTED
167	9553420.120	573751.123	19.826	MH42B-SILTED
168	9553421.591	573771.237	19.776	MH43B-SILTED
169	9553421.516	573770.755	19.774	MH43B-SILTED
170	9553422.005	573770.724	19.784	MH43B-SILTED
171	9553422.032	573771.213	19.787	MH43B-SILTED
172	9553409.175	573783.429	19.505	MH44B-SILTED
173	9553409.187	573783.937	19.498	MH44B-SILTED
174	9553409.614	573783.910	19.538	MH44B-SILTED
175	9553409.618	573783.423	19.541	MH44B-SILTED
176	9553407.617	573786.752	19.687	MH44B-BLOCKED
177	9553407.237	573787.125	19.663	MH44B-BLOCKED
178	9553407.084	573786.756	19.665	MH44B-BLOCKED
179	9553417.653	573786.836	19.881	MH45B-SEALED
180	9553417.198	573786.698	19.883	MH45B-SEALED
181	9553417.388	573787.197	19.887	MH45B-SEALED
182	9553421.479	573791.177	19.738	MH47B-SILTED
183	9553421.432	573791.182	19.740	MH47B-SILTED
184	9553421.356	573791.715	19.741	MH47B-SILTED
185	9553421.863	573791.708	19.762	MH47B-SILTED
186	9553421.869	573791.244	19.747	MH47B-SILTED
187	9553408.924	573796.712	19.430	MH48B-SILTED
188	9553408.468	573796.644	19.414	MH48B-SILTED
189	9553408.397	573797.168	19.374	MH48B-SILTED
190	9553408.832	573797.231	19.450	MH48B-SILTED
191	9553406.779	573810.331	19.318	MH49B-1.16
192	9553407.162	573810.403	19.361	MH49B-1.16
193	9553407.335	573809.859	19.344	MH49B-1.16
194	9553406.852	573809.785	19.311	MH49B-1.16
1	9553403.085	573822.989	19.350	MH1
2	9553402.942	573823.446	19.337	MH1
3	9553402.587	573823.019	19.339	MH1-0.95M
4	9553404.769	573820.426	19.199	MH2
5	9553404.890	573819.914	19.208	MH2
6	9553115.846	574179.384	17.529	MH 2 SW
7	9553115.706	574179.787	17.536	MH 2 SW
8	9553115.473	574179.233	17.510	MH 2 SW
9	9553115.554	574179.538	17.523	MH 2 SW 1.8M FRM N W TO S
10	9553129.403	574172.709	17.611	MH 3 SW SILTED
11	9553129.970	574172.449	17.608	MH 3 SW SILTED
12	9553129.702	574171.881	17.578	MH 3 SW SILTED
13	9553129.152	574172.137	17.574	MH 3 SW SILTED
14	9553147.609	574164.263	17.776	MH 4 SW SILTED
15	9553147.360	574163.701	17.749	MH 4 SW SILTED
16	9553146.746	574163.969	17.724	MH 4 SW SILTED

17	9553146.988	574164.548	17.762	MH 4 SW SILTED
18	9553165.398	574156.068	17.838	MH 5 SW SILTED
19	9553165.979	574155.831	17.848	MH 5 SW SILTED
20	9553165.739	574155.227	17.856	MH 5 SW SILTED
21	9553165.152	574155.538	17.856	MH 5 SW SILTED
22	9553174.729	574151.769	17.978	MH 6 SW
23	9553174.558	574152.214	17.986	MH 6 SW
24	9553175.079	574151.887	17.982	MH 6 SW
25	9553174.870	574152.086	17.932	MH 6 SW 1.9M DEPTH
26	9553405.330	573820.025	19.232	MH2
27	9553405.226	573820.535	19.283	MH2BLOCKED
28	9553184.307	574147.024	17.962	MH 8
29	9553185.072	574146.601	17.928	MH 8
30	9553185.760	574148.058	17.978	MH 8
31	9553185.135	574148.457	17.716	MH 8
32	9553256.514	574116.300	17.763	MH 9 SW SILTED
33	9553257.053	574116.608	17.731	MH 9 SW SILTED
34	9553257.333	574116.059	17.763	MH 9 SW SILTED
35	9553256.807	574115.744	17.733	MH 9 SW SILTED
36	9553415.707	573822.770	19.597	MH3
37	9553416.143	573822.576	19.615	MH3
38	9553415.999	573823.123	19.623	MH3-2.2M
39	9553416.697	573824.439	19.476	MH4
40	9553416.794	573823.983	19.480	MH4
41	9553417.269	573824.093	19.523	MH4
42	9553417.121	573824.531	19.513	MH4BLOCKED
43	9553410.830	573845.424	19.145	MH5
44	9553410.661	573845.872	19.125	MH5
45	9553411.095	573846.000	19.202	MH5
46	9553411.248	573845.580	19.152	MH5-1.1M
47	9553399.471	573839.973	18.977	MH6
48	9553399.917	573840.098	19.043	MH6
49	9553400.039	573839.676	19.057	MH6
50	9553399.584	573839.517	18.988	MH6BLOCKED
51	9553298.128	574096.467	17.501	MH 13 SW SILTED
52	9553298.714	574096.278	17.467	MH 13 SW SILTED
53	9553298.550	574095.703	17.452	MH 13 SW SILTED
54	9553297.941	574095.869	17.533	MH 13 SW SILTED
55	9553316.508	574093.688	17.154	MH 14 SW SILTED
56	9553315.876	574093.623	17.147	MH 14 SW SILTED
57	9553315.790	574094.262	17.202	MH 14 SW SILTED
58	9553316.431	574094.317	17.167	MH 14 SW SILTED
59	9553398.265	573837.634	19.164	MH7
60	9553398.661	573837.371	19.180	MH7
61	9553398.498	573837.948	19.164	MH7BLOCKED
62	9553395.364	573851.700	18.842	MH8
63	9553395.194	573852.177	18.846	MH8
64	9553395.574	573852.293	18.863	MH8
65	9553395.731	573851.868	18.882	MH8-1.15M
66	9553339.817	574201.298	16.044	MH 17 SW INV

67	9553339.761	574201.119	16.382	MH 17 SW INV2
68	9553339.907	574201.597	17.604	MH 17 SW
69	9553339.572	574201.318	17.608	MH 17 SW
70	9553339.948	574201.019	17.607	MH 17 SW
71	9553348.486	574260.346	17.599	MH 18 SW
72	9553349.013	574260.399	17.602	MH 18 SW
73	9553348.443	574260.618	17.607	MH 18 SW
74	9553348.713	574260.583	17.609	MH 18 SW 2.2M DEPTH
75	9553369.554	574252.323	17.200	MH 19 SW SILTED
76	9553369.451	574251.843	17.209	MH 19 SW SILTED
77	9553369.095	574252.396	17.208	MH 19 SW SILTED
78	9553369.013	574251.936	17.239	MH 19 SW SILTED
79	9553362.172	574190.732	17.101	MH 20SW 3.78M 0.92 TOMH21 1.34 T
80	9553361.936	574190.666	17.099	MH20 SW
81	9553362.254	574190.408	17.117	MH20 SW
82	9553362.164	574191.006	17.120	MH20 SW
83	9553361.008	574191.244	16.938	MH21 SW
84	9553360.565	574191.351	16.971	MH21 SW
85	9553360.620	574191.855	16.976	MH21 SW
86	9553361.056	574191.796	16.960	MH21 SW
87	9553360.899	574191.586	16.958	MH21 SW
88	9553405.728	573856.165	19.135	MH9
89	9553405.889	573856.641	19.120	MH9
90	9553406.279	573856.250	19.125	MH9-2.0M
91	9553403.827	573864.472	18.803	MH10
92	9553403.624	573864.963	18.799	MH10
93	9553404.068	573865.094	18.846	MH10
94	9553404.256	573864.699	18.820	MH10-1.15M
95	9553393.450	573888.725	18.386	MH11
96	9553393.198	573889.271	18.398	MH11
97	9553393.645	573889.412	18.407	MH11
98	9553393.884	573888.912	18.394	MH11 BLOCKED
99	9553397.360	573902.412	18.304	MH12
100	9553397.054	573901.996	18.309	MH12
101	9553396.865	573902.504	18.308	MH12-2.15M
102	9553392.868	573908.250	17.990	MH13
103	9553392.665	573908.732	17.963	MH13
104	9553392.243	573908.561	18.034	MH13
105	9553392.449	573908.087	17.963	MH13-BLOCKED
106	9553387.942	573897.743	18.317	MH14
107	9553388.198	573897.275	18.317	MH14
108	9553387.657	573897.322	18.303	MH14-2M
109	9553380.594	573905.128	18.023	MH15
110	9553380.223	573904.849	18.026	MH15
111	9553360.550	574161.989	17.014	MH 28 SW
112	9553360.884	574161.715	17.013	MH 28 SW
113	9553360.281	574161.675	16.997	MH 28 SW
114	9553360.606	574161.712	17.019	MH 28 SW 2.78M
115	9553380.370	573904.458	18.037	MH15
116	9553371.153	574102.810	16.898	MH30 SILTED

117	9553370.678	574102.956	16.892	MH30 SILTED
118	9553370.890	574102.598	16.901	MH30 SILTED
119	9553380.795	573904.635	18.033	MH15-1.14M
120	9553378.708	573891.094	18.226	MH16
121	9553378.922	573890.596	18.240	MH16
122	9553360.489	574065.785	16.784	MH32 SW MAYBE
123	9553360.280	574065.463	16.777	MH32 SW MAYBE
124	9553360.817	574065.498	16.796	MH32 SW MAYBE
125	9553379.362	573890.795	18.255	MH16
126	9553379.105	573891.264	18.239	MH16BLOCKED
127	9553376.803	573892.028	18.402	MH17
128	9553376.905	573891.557	18.404	MH17
129	9553376.486	573891.656	18.470	MH17SEALED
130	9553380.241	573904.953	18.036	MH18
131	9553380.562	573905.133	18.020	MH18
132	9553380.806	573904.622	18.024	MH18
133	9553380.363	573904.447	18.046	MH18-1.14M
134	9553373.093	573922.758	17.778	MH19
135	9553373.292	573922.238	17.762	MH19
136	9553372.840	573922.098	17.785	MH19
137	9553372.663	573922.558	17.783	MH19-1.2M
138	9553384.307	573927.138	17.621	MH20
139	9553384.468	573926.699	17.612	MH20
140	9553384.912	573926.832	17.595	MH20
141	9553384.722	573927.313	17.599	MH20BLOCKED
142	9553378.000	573944.955	17.362	MH21
143	9553377.549	573944.822	17.348	MH21
160	9553377.837	573945.462	17.346	MH21
161	9553377.414	573945.293	17.355	MH21-0.7M
162	9553366.084	573941.344	17.537	MH23
163	9553365.602	573941.224	17.540	MH23
164	9553365.461	573941.691	17.526	MH23

Others

3326	9553289.604	573674.267	20.110	TS2 Street Sign
1846	9553419.972	573794.166	19.892	TS1 NO U TURN POST
3395	9553250.547	573719.536	19.765	TS3 7.5T SIGN
4991	9553355.866	573595.088	21.067	BB-Shell Petrol Station
4992	9553356.709	573594.536	21.070	BB-Shell Petrol Station
4993	9553359.594	573596.507	21.128	BB-Shell Petrol Station
4994	9553359.413	573596.639	21.089	BB-Shell Petrol Station
4995	9553359.901	573596.809	21.093	BB-Shell Petrol Station
4996	9553359.752	573596.966	21.085	BB-Shell Petrol Station
4997	9553365.434	573593.608	21.165	BB-Shell Petrol Station
4998	9553365.245	573593.390	21.161	BB-Shell Petrol Station
4999	9553365.803	573593.388	21.176	BB-Shell Petrol Station
5000	9553365.732	573593.135	21.290	BB-Shell Petrol Station
5001	9553278.494	573549.977	21.456	BB-Shell Petrol Station
5002	9553278.246	573550.269	21.546	BB-Shell Petrol Station
5003	9553277.955	573549.927	21.496	BB-Shell Petrol Station

5004	9553278.281	573549.607	21.520	BB-Shell Petrol Station
556	9553437.728	573798.425	20.187	CCTV POST
1591	9553418.698	573798.855	19.776	CLOCK

A7-4 & VMS-2

Powerposts

P 1	9553091.643	574191.698	17.374	POWERPOST
P 2	9553132.943	574172.441	17.821	POWERPOST
P 3	9553133.936	574174.535	17.754	POWERPOST
P 4	9553174.253	574155.163	17.797	POWERPOST
P 5	9553175.352	574156.532	18.110	POWERPOST
P 6	9553174.915	574154.619	17.886	POWERPOST
P 7	9553189.882	574174.691	16.929	POWERPOST
P 8	9553213.390	574138.540	22.376	POWERPOST
P 9	9553234.758	574129.342	18.128	POWERPOST
P 10	9553264.196	574115.410	18.209	POWERPOST
P 11	9553306.352	574097.574	17.804	POWERPOST
P 12	9553347.590	574094.367	17.045	POWERPOST
P 13	9553363.408	574093.659	16.975	POWERPOST
P 14	9553310.739	574219.119	17.520	POWERPOST
P 15	9553335.641	574229.382	17.483	POWERPOST
P 16	9553340.591	574255.873	17.672	POWERPOST
P 17	9553169.471	574118.135	18.314	POWERPOST
P 18	9553390.870	574281.605	17.670	POWERPOST
P 19	9553393.247	574280.093	17.549	POWERPOST
P 20	9553389.267	574223.585	17.410	POWERPOST
P 21	9553384.188	574120.691	17.165	POWERPOST
P 22	9553371.827	574019.472	17.364	POWERPOST
P 23	9553370.256	574019.610	17.193	POWERPOST
P 24	9553373.834	573968.070	17.864	POWERPOST
P 88	9553249.412	574087.038	18.430	POWERPOST
P 89	9553285.653	574064.890	17.936	POWERPOST
P 90	9553304.901	574053.522	18.407	POWERPOST
P 91	9553358.264	573922.237	18.575	POWERPOST
P 92	9553358.072	573919.728	18.473	POWERPOST
P 93	9553359.744	573919.553	18.740	POWERPOST
P 94	9553359.428	573922.106	18.820	POWERPOST

Street Lights

SL 1	9553145.584	574152.829	18.034	STREET LIGHT
SL 2	9553185.642	574135.498	18.205	STREET LIGHT
SL 3	9553216.562	574122.241	18.221	STREET LIGHT
SL 4	9553252.556	574103.628	18.033	STREET LIGHT
SL 5	9553347.211	574139.180	17.104	STREET LIGHT
SL 6	9553346.004	574092.003	17.081	STREET LIGHT
SL 7	9553334.357	574044.259	17.683	STREET LIGHT
SL 8	9553363.279	574045.212	17.118	STREET LIGHT
SL 9	9553366.145	574019.192	17.012	STREET LIGHT
SL 10	9553356.618	573982.271	17.340	STREET LIGHT
SL 11	9553373.544	573970.897	17.897	STREET LIGHT

SL 12	9553381.480	573940.062	17.704	STREET LIGHT
SL 13	9553365.148	573916.572	19.749	STREET LIGHT
SL 28	9553339.966	574001.470	17.455	STREET LIGHT
SL 29	9553349.870	573960.072	17.909	STREET LIGHT

Internet Posts

IP 1	9553533.357	573911.485	19.129	INTERNET POST
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Safaricom Manholes

MH 1 SAFARICOM	9553108.121	574186.310	17.332	Safaricom Manhole
MH 1 SAFARICOM	9553108.417	574186.858	17.377	Safaricom Manhole
MH 1 SAFARICOM	9553109.135	574186.463	17.384	Safaricom Manhole
MH 1 SAFARICOM	9553108.838	574185.919	17.360	Safaricom Manhole
MH 1 SAFARICOM	9553108.607	574186.371	17.363	Safaricom Manhole
MH 2 SAFARICOM	9553325.840	574109.557	17.148	Safaricom Manhole
MH3 SAFARICOM	9553384.433	574108.788	16.804	Safaricom Manhole
MH3 SAFARICOM	9553384.001	574109.297	16.819	Safaricom Manhole
MH3 SAFARICOM	9553384.434	574109.246	16.813	Safaricom Manhole
MH 4 SAFARICOM	9553387.751	574335.436	17.908	Safaricom Manhole
MH 4 SAFARICOM	9553388.430	574335.422	17.896	Safaricom Manhole
MH 4 SAFARICOM	9553388.492	574336.258	17.881	Safaricom Manhole
MH 4 SAFARICOM	9553387.826	574336.320	17.870	Safaricom Manhole
MH 5 SAFARICOM	9553379.590	573948.197	17.518	Safaricom Manhole
MH 5 SAFARICOM	9553380.465	573948.389	17.524	Safaricom Manhole
MH 5 SAFARICOM	9553380.311	573949.201	17.521	Safaricom Manhole
MH 5 SAFARICOM	9553379.444	573949.077	17.493	Safaricom Manhole

Storm Water Manholes

1	9553298.128	574096.467	17.501	MH 13 SW SILTED
2	9553298.714	574096.278	17.467	MH 13 SW SILTED
3	9553298.550	574095.703	17.452	MH 13 SW SILTED
4	9553297.941	574095.869	17.533	MH 13 SW SILTED
5	9553316.508	574093.688	17.154	MH 14 SW SILTED
6	9553315.876	574093.623	17.147	MH 14 SW SILTED
7	9553315.790	574094.262	17.202	MH 14 SW SILTED
8	9553316.431	574094.317	17.167	MH 14 SW SILTED
9	9553339.817	574201.298	16.044	MH 17 SW INV
10	9553339.761	574201.119	16.382	MH 17 SW INV2
11	9553339.907	574201.597	17.604	MH 17 SW
12	9553339.572	574201.318	17.608	MH 17 SW
13	9553339.948	574201.019	17.607	MH 17 SW
14	9553348.486	574260.346	17.599	MH 18 SW
15	9553349.013	574260.399	17.602	MH 18 SW
16	9553348.443	574260.618	17.607	MH 18 SW
17	9553348.713	574260.583	17.609	MH 18 SW 2.2M DEPTH
18	9553369.554	574252.323	17.200	MH 19 SW SILTED
19	9553369.451	574251.843	17.209	MH 19 SW SILTED
20	9553369.095	574252.396	17.208	MH 19 SW SILTED
21	9553369.013	574251.936	17.239	MH 19 SW SILTED
22	9553362.172	574190.732	17.101	MH 20SW 3.78M 0.92 TOMH21 1.34 T

23	9553361.936	574190.666	17.099	MH20 SW
24	9553362.254	574190.408	17.117	MH20 SW
25	9553362.164	574191.006	17.120	MH20 SW
26	9553361.008	574191.244	16.938	MH21 SW
27	9553360.565	574191.351	16.971	MH21 SW
28	9553360.620	574191.855	16.976	MH21 SW
29	9553361.056	574191.796	16.960	MH21 SW
30	9553360.899	574191.586	16.958	MH21 SW
31	9553397.360	573902.412	18.304	MH12
32	9553397.054	573901.996	18.309	MH12
33	9553396.865	573902.504	18.308	MH12-2.15M
34	9553392.868	573908.250	17.990	MH13
35	9553392.665	573908.732	17.963	MH13
36	9553392.243	573908.561	18.034	MH13
37	9553392.449	573908.087	17.963	MH13-BLOCKED
38	9553387.942	573897.743	18.317	MH14
39	9553388.198	573897.275	18.317	MH14
40	9553387.657	573897.322	18.303	MH14-2M
41	9553380.594	573905.128	18.023	MH15
42	9553380.223	573904.849	18.026	MH15
43	9553360.550	574161.989	17.014	MH 28 SW
44	9553360.884	574161.715	17.013	MH 28 SW
45	9553360.281	574161.675	16.997	MH 28 SW
46	9553360.606	574161.712	17.019	MH 28 SW 2.78M
47	9553380.370	573904.458	18.037	MH15
48	9553371.153	574102.810	16.898	MH30 SILTED
49	9553370.678	574102.956	16.892	MH30 SILTED
50	9553370.890	574102.598	16.901	MH30 SILTED
51	9553380.795	573904.635	18.033	MH15-1.14M
52	9553360.489	574065.785	16.784	MH32 SW
53	9553360.280	574065.463	16.777	MH32 SW
54	9553360.817	574065.498	16.796	MH32 SW
55	9553379.105	573891.264	18.239	MH16BLOCKED
56	9553376.803	573892.028	18.402	MH17
57	9553376.905	573891.557	18.404	MH17
58	9553376.486	573891.656	18.470	MH17SEALED
59	9553380.241	573904.953	18.036	MH18
60	9553380.562	573905.133	18.020	MH18
61	9553380.806	573904.622	18.024	MH18
62	9553380.363	573904.447	18.046	MH18-1.14M
63	9553373.093	573922.758	17.778	MH19
64	9553373.292	573922.238	17.762	MH19
65	9553372.840	573922.098	17.785	MH19
66	9553372.663	573922.558	17.783	MH19-1.2M
67	9553384.307	573927.138	17.621	MH20
68	9553384.468	573926.699	17.612	MH20
69	9553384.912	573926.832	17.595	MH20
70	9553384.722	573927.313	17.599	MH20BLOCKED
71	9553378.000	573944.955	17.362	MH21
72	9553377.549	573944.822	17.348	MH21

73	9553365.348	574013.605	16.907	MH 36 SW
74	9553364.990	574013.908	16.879	MH 36 SW
75	9553365.280	574014.237	16.903	MH 36 SW
76	9553366.856	574041.389	17.356	MH 37
77	9553364.873	574041.663	17.315	MH 37
78	9553364.589	574039.181	17.340	MH 37
79	9553366.528	574038.766	17.361	MH 37
80	9553366.174	574040.734	17.365	MH 37 2.77M
81	9553365.269	574044.811	17.323	MH37B
82	9553367.319	574044.471	17.324	MH37B
83	9553366.919	574041.478	17.349	MH37B
84	9553364.885	574041.831	17.321	MH37B
85	9553366.398	574042.159	17.390	MH37B 3.02M
86	9553361.875	574052.904	16.845	MH38 SW
87	9553361.260	574053.144	16.836	MH38 SW
88	9553361.501	574052.772	16.835	MH38 SW
89	9553377.837	573945.462	17.346	MH21
90	9553377.414	573945.293	17.355	MH21-0.7M
91	9553366.084	573941.344	17.537	MH23
92	9553365.602	573941.224	17.540	MH23
93	9553365.461	573941.691	17.526	MH23
94	9553365.896	573941.864	17.525	MH23BLOCKED
95	9553359.673	573961.788	17.346	MH25BLOCKED
96	9553359.522	573962.296	17.336	MH25BLOCKED
97	9553359.085	573962.151	17.340	MH25BLOCKED
98	9553359.219	573961.675	17.388	MH25BLOCKED
99	9553371.897	573964.431	17.163	MH26
100	9553371.756	573964.934	17.145	MH26
101	9553331.271	574041.532	15.538	MH39A 0.3M TOP OF PIPE INV
102	9553331.321	574041.502	16.531	MH39A 3INCH BOTTOM OF PIPE INV
103	9553226.090	574102.782	16.871	MH 40SW INLET INV
104	9553226.220	574102.885	16.669	MH 40SW OUTLET INV
105	9553226.537	574102.722	17.850	MH 40SW
106	9553225.879	574102.869	17.864	MH 40SW
107	9553226.354	574103.134	17.835	MH 40SW
108	9553200.611	574115.552	17.902	MH 41SW
109	9553200.815	574115.249	17.931	MH 41SW
110	9553201.213	574115.502	17.929	MH 41SW
111	9553200.972	574115.652	16.899	MH 41SW INV
112	9553371.315	573964.795	17.178	MH26
113	9553371.463	573964.308	17.179	MH26-1.14M
114	9553367.806	573983.991	17.030	MH27
115	9553367.891	573983.457	17.022	MH27
116	9553192.387	574118.028	18.047	MH 42 SW
117	9553192.225	574118.276	18.093	MH 42 SW OLD LINE PIPE TO ESTATE
118	9553192.398	574118.415	17.998	MH 42 SW OLD LINE PIPE TO ESTATE
119	9553191.974	574118.227	17.966	MH 42 SW OLD LINE PIPE TO ESTATE
120	9553161.137	574133.938	17.910	MH 43 SW SILTED
121	9553160.623	574133.873	17.951	MH 43 SW SILTED
122	9553160.631	574134.418	17.947	MH 43 SW SILTED

123	9553147.436	574139.709	17.946	MH 44 SW
124	9553146.953	574138.707	18.004	MH 44 SW
125	9553148.318	574138.162	17.947	MH 44 SW
126	9553148.762	574139.233	17.888	MH 44 SW
127	9553146.334	574141.062	16.915	MH 45 SW INV
128	9553146.151	574141.135	17.895	MH 45 SW
129	9553146.736	574141.015	17.863	MH 45 SW
130	9553146.492	574141.477	17.790	MH 45 SW
131	9553147.426	574138.850	17.985	MH 45 SW 2.8M
132	9553143.980	574135.175	18.239	MH 46 STORM PIT
133	9553143.079	574135.459	18.203	MH 46 STORM PIT
134	9553143.721	574134.523	18.287	MH 46 STORM PIT
135	9553142.907	574134.799	18.175	MH 46 STORM PIT
136	9553143.174	574134.954	18.403	MH 46 STORM PIT 8.7M
137	9553134.797	574145.570	17.853	MH 47SW
138	9553134.260	574144.869	17.790	MH 47SW
139	9553135.065	574144.381	17.792	MH 47SW
140	9553135.508	574145.242	17.838	MH 47SW
141	9553135.308	574144.883	17.802	MH 47 SW 2.68M
142	9553123.886	574150.810	17.720	MH 48 SW SILTED
143	9553124.271	574151.555	17.729	MH 48 SW SILTED
144	9553123.228	574152.022	17.722	MH 48 SW SILTED
145	9553122.851	574151.185	17.728	MH 48 SW SILTED
146	9553114.088	574150.372	18.311	MH 49 SW
147	9553114.552	574151.239	17.920	MH 49 SW
148	9553115.404	574150.786	18.318	MH 49 SW
149	9553115.009	574149.875	18.328	MH 49 SW
150	9553115.122	574150.403	18.499	MH 49 SW 3.4M
151	9553112.935	574155.724	17.646	MH 50 SW SILTED
152	9553112.437	574156.192	17.629	MH 50 SW SILTED
153	9553112.944	574156.367	17.617	MH 50 SW SILTED
154	9553104.449	574158.557	17.573	MH 51 SW
155	9553103.282	574159.077	17.562	MH 51 SW
156	9553104.927	574159.492	17.708	MH 51 SW
157	9553103.724	574160.082	17.667	MH 51 SW
158	9553104.618	574158.833	17.567	MH 51 SW 2.68M
159	9553103.632	574159.208	16.679	MH 51 SW PVC PIPE INV
160	9553350.683	574009.861	17.163	MH 52 SW SEALED
161	9553350.358	574010.236	17.135	MH 52 SW SEALED
162	9553350.702	574010.464	17.177	MH 52 SW SEALED
163	9553367.412	573983.449	17.026	MH27
164	9553367.389	573983.929	17.022	MH27-.8M
165	9553354.776	573981.374	17.187	MH28
166	9553354.324	573981.326	17.224	MH28
167	9553354.239	573981.804	17.214	MH28
168	9553363.619	573951.556	17.561	MH 54 SW
169	9553363.238	573951.758	17.556	MH 54 SW
170	9553363.800	573951.950	17.563	MH 54 SW
171	9553363.590	573951.813	16.317	MH 54 SW INV
172	9553387.634	573897.446	18.285	MH 55 SW

173	9553387.824	573897.728	18.289	MH 55 SW
174	9553388.164	573897.259	18.296	MH 55 SW
175	9553387.938	573897.483	18.298	MH 55 SW 2M
176	9553376.937	573891.932	18.375	MH 56 SW
177	9553376.502	573892.032	18.433	MH 56 SW
178	9553376.865	573891.543	18.416	MH 56 SW
179	9553376.696	573891.765	18.436	MH 56 SW C
180	9553382.806	573868.806	19.078	MH 57 SW MAYBE
181	9553381.737	573868.226	19.045	MH 57 SW MAYBE
182	9553381.385	573869.366	19.056	MH 57 SW MAYBE
183	9553382.509	573870.165	19.040	MH 57 SW MAYBE
184	9553382.370	573869.108	19.178	MH 57 SW MAYBE 2.16M
185	9553405.819	573856.656	19.121	MH 58 SW
186	9553405.805	573856.147	19.142	MH 58 SW
187	9553406.208	573856.620	19.133	MH 58 SW
188	9553405.937	573856.415	19.152	MH 58 SW 2M
189	9553398.735	573837.403	19.167	MH 59 SW
190	9553398.279	573837.575	19.161	MH 59 SW SILTED
191	9553398.467	573837.954	19.145	MH 59 SW SILTED
192	9553380.565	573853.590	18.690	MH 60
193	9553380.917	573854.167	18.731	MH 60
194	9553381.786	573853.768	18.680	MH 60
195	9553382.326	573854.824	18.584	MH 60
196	9553381.454	573855.224	18.488	MH 60
197	9553381.764	573855.838	18.588	MH 60
198	9553377.669	573857.849	18.771	MH 60
199	9553377.356	573857.261	18.797	MH 60
200	9553376.701	573857.587	18.869	MH 60
201	9553376.164	573856.774	18.802	MH 60
202	9553376.895	573856.283	18.811	MH 60
203	9553376.615	573855.731	18.711	MH 60
204	9553396.029	573824.545	19.274	MH 61
205	9553395.666	573824.378	19.275	MH 61
206	9553395.857	573823.824	19.283	MH 61
207	9553396.265	573823.960	19.269	MH 61
208	9553354.695	573981.893	17.194	MH28BLOCKED
209	9553350.163	574003.366	17.035	MH29
210	9553350.641	574003.430	17.041	MH29
211	9553350.544	574003.956	17.032	MH29
212	9553350.084	574003.874	17.043	MH29BLOCKED
213	9553415.791	573823.080	19.629	MH 66 SW
214	9553415.891	573822.549	19.595	MH 66 SW
215	9553416.199	573823.066	19.614	MH 66 SW
216	9553416.041	573822.872	19.629	MH 66 SW 2.24M
217	9553397.447	573902.395	18.301	MH 67 SW
218	9553397.128	573901.996	18.313	MH 67 SW
219	9553397.007	573902.587	18.287	MH 67 SW
220	9553397.186	573902.288	18.318	MH 67 SW 2.12M
221	9553365.176	574004.234	16.819	MH30
222	9553365.251	574003.717	16.827	MH30

223	9553364.789	574003.660	16.829	MH30
224	9553364.751	574004.151	16.842	MH30
225	9553376.246	573956.097	17.428	MH 69 SW
226	9553376.083	573955.615	17.412	MH 69 SW
227	9553376.674	573955.871	17.426	MH 69 SW
228	9553376.326	573955.791	17.448	MH 69 SW 1.5M
229	9553364.748	574004.148	16.842	MH30-0.75M
230	9553363.360	574018.444	16.756	MH33
231	9553362.921	574018.411	16.767	MH33
232	9553362.851	574018.904	16.762	MH33
233	9553363.314	574018.978	16.733	MH33-0.75M
234	9553368.918	574022.781	15.162	OUTFALL
235	9553369.878	574023.172	14.877	OUTFALL
236	9553370.542	574024.257	14.792	OUTFALL
237	9553437.459	573796.956	19.800	MH 2 SW
238	9553436.610	573797.763	19.811	MH 2 SW
239	9553435.741	573796.971	19.787	MH 2 SW
240	9553436.648	573796.071	20.105	MH 2 SW
241	9553437.025	573797.381	19.787	MH 2 SW 1.8M
242	9553371.794	574025.140	14.716	OUTFALL
243	9553373.261	574025.231	14.745	OUTFALL
244	9553374.494	574025.309	14.443	OUTFALL
245	9553376.986	574025.839	14.311	OUTFALL
246	9553348.015	574022.155	16.965	MH34
247	9553347.921	574022.677	16.963	MH34
248	9553347.517	574022.584	16.964	MH34
249	9553347.566	574022.123	16.979	MH34BLOCKED
250	9553345.909	574042.669	16.915	MH35BLOCKED
251	9553345.448	574042.665	16.923	MH35BLOCKED
252	9553444.564	573795.197	20.563	MH 5 SW
253	9553444.550	573794.141	20.551	MH 5 SW
254	9553446.299	573794.015	20.387	MH 5 SW
255	9553446.411	573794.947	20.533	MH 5 SW
256	9553446.492	573795.382	20.312	DRAIN
257	9553452.244	573794.828	20.303	DRAIN
258	9553452.104	573795.391	19.798	DRAIN
259	9553452.204	573795.941	19.877	DRAIN
260	9553452.186	573796.187	20.385	DRAIN
261	9553446.182	573794.483	20.528	DRAIN 1.9M DEPTH DRAIN 0.8M
262	9553345.408	574043.187	16.912	MH35BLOCKED
263	9553345.870	574043.277	16.915	MH35BLOCKED
264	9553333.705	574049.495	17.242	MH36BLOCKED
265	9553333.517	574048.996	17.317	MH36BLOCKED
266	9553333.182	574049.401	17.357	MH36BLOCKED
267	9553333.933	574053.207	17.147	MH37BLOCKED
268	9553333.441	574053.959	17.179	MH37BLOCKED
269	9553334.136	574054.388	16.968	MH37BLOCKED
270	9553334.546	574053.598	17.000	MH37BLOCKED
271	9553331.992	574057.663	16.939	MH38BLOCKED
272	9553332.298	574057.990	16.940	MH38BLOCKED

273	9553331.931	574058.345	16.939	MH38BLOCKED
274	9553331.593	574058.013	16.936	MH38BLOCKED
275	9553344.446	574061.675	16.884	MH39BLOCKED
276	9553343.992	574061.646	16.898	MH39BLOCKED
277	9553343.931	574062.179	16.889	MH39BLOCKED
278	9553344.374	574062.210	16.892	MH39BLOCKED
279	9553361.532	574033.875	16.664	MH40
280	9553361.598	574033.323	16.670	MH40
281	9553361.115	574033.329	16.715	MH40
282	9553361.066	574033.821	16.679	MH40-1.18M
283	9553360.072	574050.324	16.617	MH41
284	9553360.031	574050.846	16.632	MH41
285	9553359.547	574050.830	16.660	MH41
286	9553359.612	574050.311	16.651	MH41BLOCKED
287	9553359.288	574063.465	16.624	MH43
288	9553359.257	574063.978	16.622	MH43
289	9553454.559	573812.446	20.183	MH 11 SW
290	9553453.490	573811.652	20.114	MH 11 SW
291	9553452.672	573812.757	20.172	MH 11 SW
292	9553453.772	573813.567	20.153	MH 11 SW
293	9553358.812	574063.484	16.635	MH43
294	9553358.810	574063.983	16.638	MH43-1.18M
295	9553358.995	574071.739	16.584	MH45
296	9553358.986	574072.261	16.605	MH45
297	9553358.523	574072.242	16.655	MH45
298	9553470.316	573811.158	20.408	MH 13
299	9553472.661	573809.726	20.481	MH 13
300	9553472.167	573814.091	20.396	MH 13
301	9553474.114	573812.816	20.467	MH 13
302	9553358.535	574071.767	16.626	MH45BLOCKED
303	9553359.040	574080.533	16.572	MH46
304	9553358.560	574080.552	16.646	MH46
305	9553358.564	574081.125	16.576	MH46
306	9553359.076	574081.057	16.588	MH46-1.18
307	9553359.637	574088.649	16.566	MH47
308	9553359.640	574089.166	16.553	MH47
309	9553359.209	574089.148	16.557	MH47
310	9553359.185	574088.703	16.563	MH47 BLOCKED
311	9553359.751	574095.294	16.558	MH48
312	9553359.274	574095.275	16.568	MH48
313	9553359.276	574094.786	16.617	MH48
314	9553359.741	574094.781	16.575	MH48-1.12
315	9553359.027	574115.440	16.613	MH49-1.18
316	9553359.048	574114.922	16.608	MH49-1.18
317	9553358.549	574114.927	16.641	MH49-1.18
318	9553358.558	574115.424	16.640	MH49-1.18
319	9553358.685	574134.089	16.716	MH50
320	9553358.703	574133.546	16.703	MH50
321	9553358.204	574133.532	16.765	MH50
322	9553358.220	574134.094	16.738	MH50-1.14

323	9553567.657	573928.705	18.902	MH 18
324	9553567.663	573929.965	18.888	MH 18
325	9553566.311	573929.825	18.898	MH 18
326	9553566.304	573928.672	18.918	MH 18
327	9553566.729	573929.332	18.874	MH 18 1.55M
328	9553358.637	574153.969	16.771	MH51BLOCKED
329	9553358.648	574154.533	16.792	MH51BLOCKED
330	9553358.204	574154.518	16.799	MH51BLOCKED
331	9553358.202	574153.993	16.807	MH51BLOCKED
332	9553359.276	574170.936	16.869	MH53-1.16
333	9553359.307	574171.463	16.854	MH53-1.16
334	9553358.842	574171.473	16.892	MH53-1.16
335	9553358.820	574170.973	16.880	MH53-1.16
336	9553361.016	574191.276	16.956	MH55-1.18
337	9553360.569	574191.333	16.954	MH55-1.18
338	9553360.620	574191.854	17.002	MH55-1.18
339	9553361.071	574191.809	16.975	MH55-1.18
340	9553363.599	574212.517	17.024	MH56
341	9553363.660	574213.030	17.045	MH56
342	9553363.224	574213.079	17.049	MH56
343	9553363.186	574212.607	17.061	MH56-1.1M
344	9553366.345	574231.699	17.105	MH57
345	9553365.873	574231.786	17.117	MH57
346	9553365.961	574232.286	17.141	MH57
347	9553366.442	574232.211	17.104	MH57-1.16M
348	9553369.497	574251.821	17.207	MH58
349	9553369.013	574251.889	17.260	MH58
350	9553369.113	574252.415	17.217	MH58
351	9553369.579	574252.345	17.204	MH58-1.14M
352	9553372.805	574271.836	17.259	MH59
353	9553372.333	574271.922	17.280	MH59
354	9553372.436	574272.432	17.301	MH59
355	9553372.869	574272.385	17.284	MH59-1.04M
356	9553376.262	574291.937	17.335	MH60
357	9553375.809	574292.020	17.358	MH60
358	9553375.899	574292.517	17.348	MH60
359	9553376.370	574292.460	17.337	MH60-0.9M
360	9553355.565	574233.899	17.339	MH61
361	9553355.101	574233.978	17.404	MH61
362	9553355.038	574233.469	17.393	MH61
363	9553355.482	574233.384	17.311	MH61BLOCKED
364	9553352.666	574213.815	17.263	MH62BLOCK
365	9553352.590	574213.312	17.261	MH62BLOCK
366	9553352.138	574213.391	17.262	MH62BLOCK
367	9553352.180	574213.889	17.323	MH62BLOCK
368	9553350.207	574193.682	17.203	MH63BLOCK
369	9553350.135	574193.160	17.194	MH63BLOCK
370	9553349.648	574193.219	17.249	MH63BLOCK
371	9553349.709	574193.733	17.256	MH63BLOCK
372	9553347.889	574171.812	17.120	MH64BLOCK

373	9553347.424	574171.857	17.151	MH64BLOCK
374	9553347.368	574171.339	17.154	MH64BLOCK
375	9553347.838	574171.283	17.148	MH64BLOCK
376	9553346.296	574154.957	17.025	MH65BLOCK
377	9553346.245	574154.445	17.019	MH65BLOCK
378	9553345.757	574154.491	17.077	MH65BLOCK
379	9553345.812	574154.987	17.043	MH65BLOCK
380	9553344.872	574134.732	17.004	MH66BLOCK
381	9553344.384	574134.728	16.985	MH66BLOCK
382	9553344.354	574134.225	16.996	MH66BLOCK
383	9553344.840	574134.200	17.013	MH66BLOCK
384	9553343.960	574115.590	16.927	MH67BLOCK
385	9553343.934	574115.069	16.908	MH67BLOCK
386	9553343.485	574115.071	16.938	MH67BLOCK
387	9553343.486	574115.612	16.934	MH67BLOCK
388	9553349.472	574099.550	16.964	MH68
389	9553349.129	574099.922	16.967	MH68
390	9553349.480	574100.112	16.967	MH68-1.1M
391	9553343.614	574095.982	16.903	MH69BLOCKED
392	9553343.627	574095.467	16.895	MH69BLOCKED
393	9553343.137	574095.468	16.877	MH69BLOCKED
394	9553343.137	574095.970	16.891	MH69BLOCKED
395	9553324.849	574099.079	17.024	MH70SILTED
396	9553325.309	574098.674	17.054	MH70SILTED
397	9553324.912	574098.185	17.035	MH70SILTED
398	9553324.422	574098.597	17.077	MH70SILTED
399	9553328.357	574103.611	16.934	MH71SILTED
400	9553328.571	574104.238	16.950	MH71SILTED
401	9553327.943	574104.536	16.936	MH71SILTED
402	9553327.659	574103.866	16.963	MH71SILTED
403	9553331.105	574113.692	16.805	MH72SILTED
404	9553331.166	574114.194	16.799	MH72SILTED
405	9553331.646	574114.143	16.832	MH72SILTED
406	9553331.522	574113.629	16.889	MH72SILTED
407	9553332.350	574133.896	16.970	MH73SILTED
408	9553332.811	574133.885	16.987	MH73SILTED
409	9553332.841	574134.387	17.012	MH73SILTED
410	9553332.359	574134.399	16.964	MH73SILTED
411	9553349.755	574257.859	17.392	MH75
412	9553349.837	574258.374	17.405	MH75
413	9553350.307	574258.317	17.476	MH75
414	9553350.200	574257.780	17.431	MH75-1.22
415	9553352.612	574274.886	17.411	MH77
416	9553353.035	574274.821	17.410	MH77
417	9553353.123	574275.326	17.418	MH77
418	9553352.658	574275.402	17.402	MH77SILTED
419	9553356.069	574295.027	17.378	MH78SILTED
420	9553356.148	574295.552	17.373	MH78SILTED
421	9553356.611	574295.487	17.424	MH78SILTED
422	9553356.525	574294.963	17.400	MH78SILTED

423	9553316.448	574094.364	17.190	MH79SILTED
424	9553316.541	574093.721	17.219	MH79SILTED
425	9553315.848	574093.612	17.178	MH79SILTED
426	9553315.768	574094.246	17.171	MH79SILTED
427	9553298.714	574096.332	17.543	MH80SILTED
428	9553298.078	574096.505	17.589	MH80SILTED
429	9553297.886	574095.900	17.546	MH80SILTED
430	9553298.549	574095.720	17.520	MH80SILTED
431	9553280.005	574103.395	17.687	MH81SILTED
432	9553279.459	574103.653	17.703	MH81SILTED
433	9553279.204	574103.081	17.646	MH81SILTED
434	9553279.773	574102.831	17.709	MH81SILTED
435	9553257.305	574116.074	17.817	MH82SILTED
436	9553256.777	574115.746	17.811	MH82SILTED
437	9553256.436	574116.376	17.794	MH82SILTED
438	9553257.042	574116.704	17.805	MH82SILTED
439	9553255.749	574127.879	17.751	MH83SILTED
440	9553255.158	574128.134	17.750	MH83SILTED
441	9553255.426	574128.729	17.737	MH83SILTED
442	9553255.996	574128.474	17.784	MH83-0.8M
443	9553245.588	574130.288	17.754	MH84
444	9553245.986	574129.818	17.732	MH84
445	9553245.525	574129.388	17.718	MH84
446	9553245.115	574129.881	17.740	MH84-SEALED
447	9553219.867	574129.943	17.802	MH84-SILTED
448	9553219.215	574129.750	17.834	MH84-SILTED
449	9553219.672	574129.552	17.858	MH84-SILTED
450	9553219.385	574130.148	17.854	MH84-SILTED
451	9553112.604	574180.497	17.489	MH89-SILTED
452	9553112.009	574180.719	17.472	MH89-SILTED
453	9553111.806	574180.224	17.395	MH89-SILTED
454	9553112.389	574179.885	17.464	MH89-SILTED
455	9553093.031	574189.543	17.206	MH90-SILTED
456	9553093.713	574189.265	17.228	MH90-SILTED
457	9553093.395	574188.518	17.203	MH90-SILTED
458	9553092.684	574188.802	17.176	MH90-SILTED
459	9553067.551	574137.338	17.486	MH91-SILTED
460	9553067.296	574136.869	17.478	MH91-SILTED
461	9553067.708	574136.639	17.501	MH91-SILTED
462	9553067.956	574137.110	17.487	MH91-SILTED
463	9553053.244	574110.616	17.341	MH92-SILTED
464	9553053.436	574111.056	17.305	MH92-SILTED
465	9553053.842	574110.778	17.326	MH92-SILTED
466	9553053.672	574110.384	17.343	MH92-SILTED
467	9553039.066	574084.187	17.445	MH93-SILTED
468	9553039.333	574084.666	17.475	MH93-SILTED
469	9553039.729	574084.422	17.467	MH93-SILTED
470	9553039.458	574083.968	17.454	MH93-SILTED
471	9553024.456	574057.106	17.578	MH94-SILTED
472	9553024.774	574057.723	17.577	MH94-SILTED

473	9553025.213	574057.537	17.529	MH94-SILTED
474	9553024.879	574056.849	17.508	MH94-SILTED
475	9553013.211	574033.427	17.523	MH95-SEALED
476	9553013.503	574034.078	17.521	MH95-SEALED
477	9553014.158	574033.748	17.537	MH95-SEALED
478	9553013.835	574033.116	17.543	MH95-SEALED
479	9553011.120	574032.002	17.500	MH96-1.08
480	9553011.534	574031.776	17.495	MH96-1.08
481	9553011.289	574031.301	17.484	MH96-1.08
482	9553010.859	574031.519	17.510	MH96-1.08
483	9552996.932	574003.995	17.463	MH97-SILTED
484	9552996.211	574004.368	17.562	MH97-SILTED
485	9552996.619	574005.200	17.641	MH97-SILTED
486	9552997.273	574004.902	17.548	MH97-SILTED
487	9553003.364	574001.317	17.644	MH98-SILTED
488	9553003.752	574001.893	17.512	MH98-SILTED
489	9553003.247	574002.200	17.458	MH98-SILTED
490	9553002.971	574001.661	17.475	MH98-SILTED
491	9553017.571	574027.925	17.464	MH99-SILTED
492	9553016.997	574028.238	17.554	MH99-SILTED
493	9553017.310	574028.899	17.546	MH99-SILTED
494	9553017.904	574028.589	17.459	MH99-SILTED
495	9553024.940	574038.714	17.552	MH100-SILTED
496	9553024.304	574039.073	17.543	MH100-SILTED
497	9553024.760	574039.927	17.547	MH100-SILTED
498	9553025.437	574039.592	17.564	MH100-SILTED
499	9553031.455	574053.894	17.479	MH101-SILTED
500	9553031.724	574054.425	17.491	MH101-0.9
501	9553031.345	574054.700	17.525	MH101-0.9
502	9553030.985	574054.148	17.532	MH101-0.9
503	9553031.478	574053.914	17.488	MH101-0.9
504	9553046.089	574081.192	17.499	MH102-1M
505	9553045.687	574081.402	17.556	MH102-1M
506	9553045.428	574080.980	17.573	MH102-1M
507	9553045.848	574080.740	17.503	MH102-1M
508	9553059.923	574107.120	17.484	MH103-SILTED
509	9553059.918	574107.097	17.485	MH103-SILTED
510	9553059.471	574107.355	17.490	MH103-SILTED
511	9553059.727	574107.817	17.512	MH103-SILTED
512	9553060.148	574107.550	17.490	MH103-SILTED
513	9553074.387	574134.119	17.582	MH104-SILTED
514	9553073.973	574133.386	17.608	MH104-SILTED
515	9553073.512	574133.637	17.539	MH104-SILTED
516	9553073.845	574134.428	17.513	MH104-SILTED
517	9553093.882	574159.707	17.477	MH105-SILTED
518	9553093.740	574160.279	17.484	MH105-SILTED
519	9553094.412	574160.426	17.428	MH105-SILTED
520	9553094.517	574159.816	17.489	MH105-SILTED
521	9553106.118	574159.275	17.604	MH106-SEALED
522	9553106.362	574159.023	17.606	MH106-SEALED

523	9553106.664	574159.419	17.591	MH106-SEALED
524	9553111.555	574154.791	17.644	MH107-SEALED
525	9553111.996	574154.921	17.648	MH107-SEALED
526	9553112.011	574154.501	17.675	MH107-SEALED
527	9553138.625	574144.572	17.802	MH110-SEALED
528	9553139.129	574144.373	17.863	MH110-SEALED
529	9553139.349	574144.878	17.827	MH110-SEALED
530	9553138.822	574145.110	17.834	MH110-SEALED
531	9553156.172	574136.657	17.893	MH113-SEALED
532	9553156.733	574136.415	17.898	MH113-SEALED
533	9553156.948	574136.876	17.841	MH113-SEALED
534	9553156.411	574137.174	17.837	MH113-SEALED
535	9553204.156	574115.193	17.831	MH117-SEALED
536	9553204.639	574114.973	17.836	MH117-SEALED
537	9553204.836	574115.387	17.852	MH117-SEALED
538	9553204.361	574115.609	17.856	MH117-SEALED
539	9553218.429	574108.610	17.850	MH118-SILTED
540	9553217.931	574108.799	17.789	MH118-SILTED
541	9553218.133	574109.249	17.858	MH118-SILTED
542	9553218.608	574109.015	17.830	MH118-SILTED
543	9553285.951	574073.773	17.374	MH119-SILTED
544	9553285.444	574073.947	17.373	MH119-SILTED
545	9553285.600	574074.401	17.419	MH119-SILTED
546	9553286.093	574074.212	17.391	MH119-SILTED
547	9553305.593	574067.624	17.238	MH1120-SILTED
548	9553305.079	574067.724	17.238	MH1120-SILTED
549	9553305.192	574068.194	17.261	MH1120-SILTED
550	9553305.703	574068.077	17.245	MH1120-SILTED
551	9553318.594	574064.804	17.111	MH1121-SILTED
552	9553318.084	574064.933	17.113	MH1121-SILTED
553	9553318.209	574065.393	17.161	MH1121-SILTED
554	9553318.723	574065.254	17.145	MH1121-SILTED

Liquid Manholes

MH1L	9553373.369	573969.554	17.396	MH1 LIQUID
	9553373.989	573969.775	17.442	MH1 LIQUID
	9553373.687	573968.425	17.877	MH1 LIQUID
	9553374.277	573968.692	17.777	MH1 LIQUID
MH18L	9553084.317	574150.009	17.667	MH 18LIQUID
	9553083.540	574150.408	17.626	MH 18LIQUID
	9553082.877	574149.096	17.612	MH 18LIQUID
	9553083.537	574148.679	17.678	MH 18LIQUID

Water Manhole

MH1W	9553365.269	574044.811	17.323	Water Manhole
MH1W	9553367.319	574044.471	17.324	Water Manhole
MH1W	9553366.919	574041.478	17.349	Water Manhole
MH1W	9553364.885	574041.831	17.321	Water Manhole
MH2W	9553366.856	574041.389	17.356	Water Manhole
MH2W	9553364.873	574041.663	17.315	Water Manhole

MH2W	9553364.589	574039.181	17.340	Water Manhole
MH2W	9553366.528	574038.766	17.361	Water Manhole
MH3W	9553335.499	574042.741	17.972	Water Manhole
MH3W	9553333.217	574040.861	17.980	Water Manhole
MH3W	9553335.449	574040.821	17.985	Water Manhole
MH3W	9553331.099	574042.845	17.995	Water Manhole
MH3W	9553333.176	574042.848	17.992	Water Manhole
MH3W	9553331.081	574040.868	18.004	Water Manhole

Water Valve Manhole

Valve1	9553332.341	574189.672	17.573	Valve
Valve1	9553332.415	574190.136	17.576	Valve
Valve1	9553331.792	574189.668	17.577	Valve
Valve1	9553331.880	574190.158	17.565	Valve
Valve1 Inv	9553332.047	574189.855	17.052	Valve
Valve2	9553378.916	574165.408	17.300	Valve
Valve2	9553378.788	574164.500	17.308	Valve
Valve2	9553378.220	574164.513	17.319	Valve
Valve2	9553378.367	574165.497	17.287	Valve
VALVE 2INV TOP C	9553378.338	574165.026	16.006	Valve
Valve3	9553402.217	574013.313	15.955	Valve
Valve3	9553403.295	574012.629	15.935	Valve
Valve3	9553402.583	574011.188	16.111	Valve
Valve3	9553401.282	574012.034	16.146	Valve
Valve3	9553402.491	574012.435	15.005	Valve

MTN Manholes

MMH7	9553303.717	574100.275	17.654	MTN Manhole
MMH7	9553304.644	574100.028	17.847	MTN Manhole
MMH7	9553304.391	574099.181	17.870	MTN Manhole
MMH7	9553303.525	574099.412	17.921	MTN Manhole
MMH7A	9553388.051	574332.971	18.013	MTN Manhole
MMH7A	9553387.472	574332.998	17.964	MTN Manhole
MMH7A	9553388.188	574333.723	18.036	MTN Manhole
MMH7A	9553387.595	574333.746	18.024	MTN Manhole
MMH7A INV	9553388.141	574333.562	17.316	MTN Manhole

IS Manhole

IS MH 3	9553297.718	574102.531	18.041	IS Manhole
IS MH 3	9553296.995	574102.896	18.006	IS Manhole
IS MH 3	9553296.604	574102.128	18.004	IS Manhole
IS MH 3	9553297.361	574101.703	18.026	IS Manhole

JTL Manhole

JMH1	9553291.657	574101.881	17.447	JTL MH1
JMH1	9553291.075	574101.938	17.541	JTL MH1
JMH1	9553291.133	574102.736	17.503	JTL MH1
JMH1	9553291.818	574102.566	17.457	JTL MH1
JMH1	9553291.688	574102.459	16.714	JTL MH1 INV

Traffic Lights

TL 1	9553323.562	574061.967	17.356	Traffic Light
TL 2	9553325.780	574077.815	17.296	Traffic Light
TL 3	9553334.430	574050.774	17.284	Traffic Light
TL 4	9553345.713	574058.202	17.184	Traffic Light
TL 5	9553360.647	574059.692	16.798	Traffic Light
TL 6	9553362.055	574067.326	16.866	Traffic Light
TL 7	9553360.927	574094.087	16.717	Traffic Light

CCTV

CCTV1	9553361.2800n	574076.8530n	16.842m	CCTV
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Billboards

BB	9553367.324	574029.105	16.864	Billboard
BB	9553371.260	574029.048	16.576	Billboard
BB	9553371.385	574030.874	16.731	Billboard
BB	9553367.354	574031.137	16.984	Billboard
BB	9553367.957	574044.086	16.699	Billboard
BB	9553367.838	574042.218	16.646	Billboard
BB	9553371.527	574041.980	16.213	Billboard
BB	9553371.724	574043.882	16.200	Billboard
BB	9553363.461	574061.599	16.877	Billboard
BB	9553366.510	574061.669	16.862	Billboard
BB	9553366.333	574064.582	16.898	Billboard
BB	9553363.384	574064.549	16.862	Billboard
BB	9553362.466	574127.401	16.896	Billboard
BB	9553364.461	574127.331	16.997	Billboard
BB	9553364.370	574123.660	17.013	Billboard
BB	9553370.155	574208.348	17.566	Billboard
BB	9553368.293	574208.588	17.463	Billboard
BB	9553368.503	574211.755	17.517	Billboard
BB	9553370.172	574211.281	17.705	Billboard
BB	9553356.679	573982.205	17.272	Billboard
BB	9553307.104	574097.153	17.730	Billboard
BB	9553306.322	574094.619	17.186	Billboard

Traffic Signs

TS 1	9553362.745	574180.470	17.285	Traffic Sign
TS 2	9553219.916	574120.524	18.279	Traffic Sign

Clock

CLOCK	9553335.795	574065.454	17.225	Clock
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A7R-3**Safaricom Manholes**

MHSF3	9551261.707	574327.355	19.846	Safaricom Manhole
MHSF3	9551262.386	574327.533	19.865	Safaricom Manhole
MHSF3	9551262.614	574326.669	19.877	Safaricom Manhole
MHSF3	9551261.967	574326.471	19.867	Safaricom Manhole
MHSF4	9551235.778	574419.495	20.926	Safaricom Manhole

MHSF4	9551235.789	574420.467	20.986	Safaricom Manhole
MHSF4	9551236.495	574420.611	20.896	Safaricom Manhole
MHSF4	9551236.600	574419.677	20.758	Safaricom Manhole
MHSF4	9551236.202	574420.001	20.843	Safaricom Manhole
MHSF16	9551222.627	574359.824	20.326	Safaricom Manhole
MHSF16	9551222.612	574360.940	20.321	Safaricom Manhole
MHSF16	9551223.495	574361.051	20.287	Safaricom Manhole
MHSF16	9551223.495	574359.926	20.330	Safaricom Manhole
MHSF17	9551205.116	574414.225	20.935	Safaricom Manhole
MHSF17	9551204.956	574413.554	20.964	Safaricom Manhole
MHSF17	9551204.086	574413.861	20.932	Safaricom Manhole
MHSF17	9551204.275	574414.485	20.939	Safaricom Manhole
MHSF17	9551204.578	574413.998	20.932	Safaricom Manhole
MHSF18	9551028.465	574367.369	20.702	Safaricom Manhole
MHSF18	9551027.708	574366.987	20.694	Safaricom Manhole
MHSF18	9551028.047	574366.255	20.755	Safaricom Manhole
MHSF18	9551028.781	574366.566	20.856	Safaricom Manhole
MHSF18	9551028.295	574366.749	20.714	Safaricom Manhole
MHSF19	9550975.130	574353.386	20.342	Safaricom Manhole
MHSF19	9550975.494	574352.598	20.389	Safaricom Manhole
MHSF19	9550974.684	574352.271	20.405	Safaricom Manhole
MHSF19	9550974.304	574352.999	20.358	Safaricom Manhole
MHSF19	9550974.883	574352.796	20.381	Safaricom Manhole
MHSF20	9551195.688	574442.827	21.172	Safaricom Manhole
MHSF20	9551196.270	574442.460	21.203	Safaricom Manhole
MHSF20	9551195.788	574441.715	21.183	Safaricom Manhole
MHSF20	9551195.212	574442.135	21.200	Safaricom Manhole
MHSF20	9551195.753	574442.284	21.186	Safaricom Manhole
MHSF21	9551169.383	574547.325	21.685	Safaricom Manhole
MHSF21	9551168.897	574548.026	21.662	Safaricom Manhole
MHSF21	9551168.786	574547.318	21.632	Safaricom Manhole
MHSF21	9551168.235	574547.589	21.787	Safaricom Manhole
MHSF21	9551168.736	574546.959	21.793	Safaricom Manhole
MHSF22	9551166.733	574559.508	21.725	Safaricom Manhole
MHSF22	9551166.520	574560.168	21.750	Safaricom Manhole
MHSF22	9551167.307	574560.474	21.763	Safaricom Manhole
MHSF22	9551167.551	574559.846	21.709	Safaricom Manhole
MHSF22	9551167.044	574559.968	21.732	Safaricom Manhole
MHSF23	9551133.091	574667.387	21.273	Safaricom Manhole
MHSF23	9551132.421	574667.446	21.256	Safaricom Manhole
MHSF23	9551132.322	574666.550	21.295	Safaricom Manhole
MHSF23	9551133.005	574666.459	21.294	Safaricom Manhole
MHSF23	9551132.694	574666.993	21.290	Safaricom Manhole
MHSF24	9551170.459	574671.622	21.014	Safaricom Manhole
MHSF24	9551171.189	574671.662	21.001	Safaricom Manhole
MHSF24	9551171.252	574670.793	21.011	Safaricom Manhole
MHSF24	9551170.570	574670.735	21.016	Safaricom Manhole
MHSF24	9551170.890	574671.179	21.008	Safaricom Manhole
MHSF25	9551194.048	574554.179	21.592	Safaricom Manhole
MHSF25	9551194.395	574553.425	21.592	Safaricom Manhole

MHSF25	9551193.699	574553.118	21.587	Safaricom Manhole
MHSF25	9551193.335	574553.890	21.592	Safaricom Manhole
MHSF26	9551224.078	574448.947	21.040	Safaricom Manhole
MHSF26	9551225.256	574449.265	21.029	Safaricom Manhole
MHSF26	9551225.521	574448.283	21.036	Safaricom Manhole
MHSF26	9551224.381	574447.985	21.031	Safaricom Manhole
MHSF27	9551264.500	574459.087	20.865	Safaricom Manhole
MHSF27	9551263.378	574458.692	20.874	Safaricom Manhole
MHSF27	9551262.902	574459.738	20.876	Safaricom Manhole
MHSF27	9551264.157	574460.084	20.867	Safaricom Manhole
MHSF28	9551300.309	574470.464	20.771	Safaricom Manhole
MHSF28	9551300.027	574471.285	20.809	Safaricom Manhole
MHSF28	9551299.185	574470.984	20.800	Safaricom Manhole
MHSF28	9551299.488	574470.159	20.791	Safaricom Manhole
MHSF28	9551299.809	574470.722	20.784	Safaricom Manhole
MHSF29	9551335.194	574481.314	20.665	Safaricom Manhole
MHSF29	9551334.371	574481.017	20.675	Safaricom Manhole
MHSF29	9551334.067	574481.846	20.683	Safaricom Manhole
MHSF29	9551334.877	574482.150	20.674	Safaricom Manhole
MHSF33	9551321.448	574446.874	20.716	Safaricom Manhole
MHSF33	9551321.992	574446.395	20.737	Safaricom Manhole
MHSF33	9551321.424	574445.676	20.734	Safaricom Manhole
MHSF33	9551320.871	574446.107	20.721	Safaricom Manhole

Water Valve Manholes

Valve 1	9551402.199	574487.592	20.514	WATER VALVE
Valve 1	9551401.643	574487.378	20.531	WATER VALVE
Valve 1	9551401.484	574487.734	20.538	WATER VALVE
Valve 1	9551402.060	574487.952	20.527	WATER VALVE
Valve 1	9551402.014	574487.687	19.776	WATER VALVE
FH1	9551311.661	574458.593	20.882	Fire Hydrant
FH1	9551312.719	574458.911	20.898	Fire Hydrant
FH1	9551313.052	574457.882	20.742	Fire Hydrant
FH1	9551312.000	574457.523	20.755	Fire Hydrant

Powerposts

M-2 AC18	9551354.976	574473.537	20.670	PPW10
M-2 AC19	9551354.166	574473.041	20.606	PPC11
M-2 AC20	9551343.102	574470.088	20.826	PPS12
M-2 AC23	9551314.356	574460.291	20.967	PPS13
M-2 AC21	9551340.492	574469.363	20.802	PPW13
M-2 AC22	9551311.739	574459.958	20.967	PPW14
M-2 AC24	9551273.277	574447.321	21.071	PPS15
M-2 AC26	9551238.606	574437.156	21.263	PPW 16
M-2 AC27	9551236.769	574437.008	21.325	PPS 17
M-2 AC28	9551183.886	574422.816	21.013	PPS 18
M-2 AC30	9551119.150	574405.634	21.118	PPS 19
M-2 AC31	9551116.708	574405.007	21.104	PPS 20
M-2 AC32	9551116.711	574405.048	21.053	PPW 20
M-2 AC33	9551073.365	574393.600	20.754	PPS 21

M-2 AC34	9551024.488	574380.444	20.545	PPS 22
M-2 AC35	9551198.453	574444.084	21.211	PPC23
M-2 AC45	9551227.088	574403.931	20.905	PPC 25
M-2 AC50	9551236.394	574368.052	20.178	PPC 26
M-2 AC54	9551246.752	574332.726	19.592	PPS 27
M-2 AC57	9551256.168	574297.530	19.974	PPC 28
M-2 AC58	9551262.197	574277.910	19.953	PPC 29
1	9551191.685	574475.811	21.404	P 86
4	9551191.052	574544.896	21.572	P 87
6	9551178.229	574592.105	21.512	P 88

Street lights

M-2 AC49	9551228.787	574353.968	20.195	SL 1
M-2 AC53	9551254.585	574346.553	19.947	SL 2
M-2 AC55	9551237.273	574325.132	19.835	SL 3
M-2 AC56	9551244.117	574294.515	19.906	SL 4
M-2 AC63	9551284.928	574154.020	19.841	SL 5
M-2 AC64	9551293.522	574122.402	19.257	SL 6
M-2 AC71	9551300.774	574089.483	18.567	SL 7
M-2 AC107	9551337.045	574053.946	18.045	SL 8
M-2 AC113	9551591.171	574058.209	18.939	SL 9
M-2 AC114	9551597.755	574034.425	18.798	SL 10
M-2 AC115	9551604.956	574005.808	18.699	SL 11
M-2 AC116	9551609.403	573987.271	18.587	SL 12
M-2 AC117	9551614.496	573968.811	18.501	SL 13
M-2 AC122	9551611.614	574071.263	18.922	SL 14
M-2 AC124	9551600.861	574120.303	19.110	SL 15
M-2 AC70	9551324.115	574087.296	18.622	SL 16

Storm Water Manholes

1	9551200.888	574449.280	20.886	MH1-0.4M
2	9551200.830	574449.799	20.921	MH1-0.4M
3	9551201.293	574449.862	20.972	MH1-0.4M
4	9551201.354	574449.345	20.954	MH1-0.4M
5	9551202.260	574450.057	20.967	MH2-SEALED
6	9551202.371	574449.413	20.990	MH2-SEALED
7	9551202.949	574449.577	21.057	MH2-SEALED
8	9551202.853	574450.191	21.030	MH2-SEALED
9	9551190.601	574488.297	21.152	MH3-0.6
10	9551191.067	574488.446	21.163	MH3-0.6
11	9551190.952	574488.919	21.152	MH3-0.6
12	9551190.467	574488.820	21.143	MH3-0.6
13	9551172.462	574547.774	21.722	MH7-
14	9551172.485	574547.404	21.824	MH7-
15	9551171.976	574547.449	21.793	MH7-
16	9551173.108	574550.009	21.535	MH8-SEALED
17	9551173.738	574550.379	21.613	MH8-SEALED
18	9551173.501	574551.028	21.625	MH8-SEALED

19	9551172.810	574550.726	21.589	MH8-SEALED
20	9551174.576	574551.852	21.582	MH9-SEALED
21	9551174.674	574552.393	21.594	MH9-SEALED
22	9551175.107	574551.995	21.582	MH9-SEALED
27	9551162.715	574591.862	21.326	MH11-0.7
28	9551162.594	574592.330	21.337	MH11-0.7
29	9551163.038	574592.442	21.348	MH11-0.7
30	9551163.154	574591.974	21.403	MH11-0.7
31	9551142.915	574667.880	21.029	MH12
32	9551142.742	574668.245	21.031	MH12
33	9551143.178	574668.376	21.043	MH12
34	9551169.593	574653.252	20.955	MH13-0.6M
35	9551170.006	574653.319	20.926	MH13-0.6M
36	9551170.090	574652.790	20.938	MH13-0.6M
37	9551169.665	574652.766	20.969	MH13-0.6M
38	9551182.418	574574.697	21.798	MH13-0.66M
39	9551182.439	574574.648	21.735	MH14-0.66M
40	9551182.577	574574.125	21.694	MH14-0.66M
41	9551215.900	574449.340	21.758	MH18-0.66M
42	9551216.063	574448.870	21.708	MH18-0.66M
43	9551216.450	574448.959	21.689	MH18-0.66M
44	9551216.053	574450.464	20.919	MH18-0.66M
45	9551271.008	574458.009	20.824	MH19-BLOCKED
46	9551270.868	574458.601	20.806	MH19-BLOCKED
47	9551271.485	574458.786	20.825	MH19-BLOCKED
48	9551271.617	574458.165	20.822	MH19-BLOCKED
49	9551301.912	574477.016	20.492	MH20-0.7
50	9551301.798	574477.502	20.523	MH20-0.7
51	9551302.231	574477.613	20.475	MH20-0.7
52	9551302.342	574477.097	20.496	MH20-0.7
53	9551343.699	574481.928	20.360	MH21-BLOCKED
54	9551343.163	574482.181	20.529	MH21-BLOCKED
55	9551343.440	574482.748	20.522	MH21-BLOCKED
56	9551343.955	574482.431	20.386	MH21-BLOCKED
57	9551258.489	574330.732	19.743	MH21-SEALED
58	9551259.451	574331.023	19.771	MH21-SEALED
59	9551259.755	574330.033	19.784	MH21-SEALED
60	9551258.789	574329.763	19.734	MH21-SEALED
61	9551258.682	574329.143	19.555	MH23-0.4
62	9551258.265	574329.020	19.575	MH23-0.4
63	9551258.378	574328.485	19.605	MH23-0.4
64	9551258.833	574328.605	19.543	MH23-0.4
65	9551255.678	574289.914	19.731	MH24-0.58
66	9551255.197	574289.799	19.805	MH24-0.58
67	9551255.314	574289.269	19.779	MH24-0.58
68	9551255.740	574289.388	19.732	MH24-0.58
69	9551252.950	574312.113	19.512	MH25-SILTED
70	9551253.215	574312.446	19.495	MH25-SILTED
71	9551252.637	574312.511	19.515	MH25-SILTED
72	9551250.144	574321.224	19.484	MH26-0.46

73	9551249.718	574321.107	19.473	MH26-0.46
74	9551249.553	574321.566	19.470	MH26-0.46
75	9551250.024	574321.704	19.479	MH26-0.46
76	9551239.312	574319.362	19.545	MH27-0.8
77	9551239.707	574319.486	19.570	MH27-0.8
78	9551239.576	574319.946	19.564	MH27-0.8
79	9551239.155	574319.854	19.540	MH27-0.8
82	9551219.568	574386.759	20.515	MH29-SEALED
83	9551219.758	574385.884	20.501	MH29-SEALED
84	9551220.497	574386.073	20.499	MH29-SEALED
85	9551220.300	574386.923	20.502	MH29-SEALED
86	9551218.347	574390.740	20.622	MH30-SEALED
87	9551217.862	574390.615	20.629	MH30-SEALED
88	9551217.710	574391.104	20.621	MH30-SEALED
89	9551218.167	574391.244	20.602	MH30-SEALED
90	9551214.652	574403.496	20.761	MH31-SEALED
91	9551214.750	574403.002	20.741	MH31-SEALED
92	9551214.260	574402.895	20.780	MH31-SEALED
93	9551214.162	574403.358	20.788	MH31-SEALED
98	9551177.670	574410.181	20.894	MH33-BLOCKED
99	9551177.808	574409.556	20.912	MH33-BLOCKED
100	9551177.153	574409.408	20.899	MH33-BLOCKED
101	9551177.010	574410.001	20.863	MH33-BLOCKED
102	9551172.263	574408.174	20.875	MH34-SEALED
103	9551172.434	574407.742	20.917	MH34-SEALED
104	9551171.925	574407.593	20.901	MH34-SEALED
105	9551171.782	574408.005	20.897	MH34-SEALED
106	9551152.119	574403.078	20.857	MH35-BLOCKED
107	9551152.293	574402.466	20.871	MH35-BLOCKED
108	9551151.685	574402.297	20.850	MH35-BLOCKED
109	9551151.528	574402.879	20.842	MH35-BLOCKED
110	9551134.313	574398.521	20.849	MH36-BLOCKED
111	9551134.926	574398.676	20.853	MH36-BLOCKED
112	9551135.134	574398.051	20.821	MH36-BLOCKED
113	9551134.505	574397.870	20.801	MH36-BLOCKED
118	9551233.770	574332.915	19.903	MH38-SEALED
119	9551233.915	574332.398	19.899	MH38-SEALED
120	9551234.447	574332.554	19.887	MH38-SEALED
121	9551234.279	574333.056	19.897	MH38-SEALED
122	9551260.433	574242.495	20.058	MH39-0.9
123	9551260.875	574242.745	20.084	MH39-0.9
124	9551260.973	574241.557	20.057	MH39-0.9
125	9551261.424	574241.814	20.105	MH39-0.9
263	9551280.654	574250.408	19.918	MH77-0.47M
264	9551280.231	574250.317	19.960	MH77-0.47M
265	9551280.106	574250.748	19.966	MH77-0.47M
266	9551280.520	574250.872	19.933	MH77-0.47M
267	9551279.307	574260.955	20.028	MH78-SEALED
268	9551278.289	574260.726	20.044	MH78-SEALED
269	9551278.054	574261.863	20.036	MH78-SEALED

270	9551279.015	574262.125	20.010	MH78-SEALED
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IS Manholes

13	9551223.735	574360.352	20.409	IS MH 15
14	9551223.549	574360.976	20.272	IS MH 15
15	9551224.278	574361.156	20.310	IS MH 15
16	9551224.399	574360.547	20.262	IS MH 15
21	9551266.564	574461.288	20.945	IS MH 16
22	9551265.861	574461.125	20.897	IS MH 16
23	9551265.714	574461.776	20.918	IS MH 16
24	9551266.352	574461.923	20.957	IS MH 16

MTN Manholes

17	9551204.148	574412.850	21.114	MTN MH 15
18	9551203.918	574412.128	21.096	MTN MH 15
19	9551203.255	574412.276	21.089	MTN MH 15
20	9551203.422	574412.964	21.058	MTN MH 15
25	9551423.600	574515.063	20.200	MTN MH 16
26	9551424.159	574514.097	20.342	MTN MH 16
27	9551424.838	574514.526	20.322	MTN MH 16
28	9551424.105	574515.387	20.303	MTN MH 16

JTL Manholes

73	9551644.033	573951.563	18.491	JTL MH 12
74	9551644.292	573950.773	18.507	JTL MH 12
75	9551643.300	573951.418	18.484	JTL MH 12
76	9551643.496	573950.585	18.499	JTL MH 12
77	9551643.867	573950.803	18.238	JTL MH 12 INV

Telkom Manholes

MH24T	9551380.720	574469.830	20.440	CERRESTRIAL MH 24
	9551379.600	574469.660	20.440	CERRESTRIAL MH 24
	9551379.810	574468.350	20.460	CERRESTRIAL MH 24
	9551381.030	574468.570	20.410	CERRESTRIAL MH 24
MH25T	9551338.290	574455.020	20.660	CERRESTRIAL MH 25
	9551337.320	574454.700	20.590	CERRESTRIAL MH 25
	9551337.460	574453.710	20.180	CERRESTRIAL MH 25
MH26T	9551299.980	574442.570	20.740	CERRESTRIAL MH 26
	9551299.350	574442.420	20.750	CERRESTRIAL MH 26
	9551299.500	574441.650	20.810	CERRESTRIAL MH 26
	9551300.150	574441.800	20.760	CERRESTRIAL MH 26
MH27T	9551237.850	574421.780	20.980	CERRESTRIAL MH 27
	9551237.490	574421.170	20.990	CERRESTRIAL MH 27
	9551238.070	574420.760	20.930	CERRESTRIAL MH 27
	9551236.450	574422.800	18.070	CERRESTRIAL MH 27

	9551236.010	574422.150	18.090	CERRESTRIAL MH 27
MH28T	9551249.670	574366.160	20.250	CERRESTRIAL MH 28
	9551249.970	574365.190	20.230	CERRESTRIAL MH 28
	9551250.790	574365.440	20.090	CERRESTRIAL MH 28
	9551250.670	574366.460	20.280	CERRESTRIAL MH 28
MH30T	9551209.390	574412.980	20.950	SUBMARINE TELE MH 30
	9551209.210	574413.920	20.930	SUBMARINE TELE MH 30
	9551208.620	574414.290	20.940	SUBMARINE TELE MH 30
	9551207.620	574414.010	20.950	SUBMARINE TELE MH 30
	9551208.020	574412.630	20.970	SUBMARINE TELE MH 30
MH31T	9551196.100	574464.340	21.310	SUBMARINE TELE MH31
	9551196.920	574464.560	21.260	SUBMARINE TELE MH31
	9551196.690	574465.480	21.250	SUBMARINE TELE MH31
	9551195.880	574465.370	21.310	SUBMARINE TELE MH31
MH32T	9551173.280	574553.380	22.210	SUBMARINE TELE MH32
	9551173.570	574552.750	22.180	SUBMARINE TELE MH32
	9551172.880	574552.440	22.170	SUBMARINE TELE MH32
	9551172.590	574553.090	22.210	SUBMARINE TELE MH32
MH33T	9551168.530	574572.340	22.300	SUBMARINE TELE MH33
	9551168.310	574573.340	22.340	SUBMARINE TELE MH33
	9551167.450	574573.180	22.480	SUBMARINE TELE MH33
	9551167.650	574572.130	22.460	SUBMARINE TELE MH33
MH34T	9551143.110	574663.510	21.140	SUBMARINE TELE MH34
	9551142.430	574664.960	21.200	SUBMARINE TELE MH34
	9551141.530	574664.690	21.240	SUBMARINE TELE MH34
	9551141.930	574663.110	21.230	SUBMARINE TELE MH34
MH35T	9551259.390	574241.130	20.210	TELESTRIAL MH35
	9551259.690	574239.950	20.210	TELESTRIAL MH35
	9551258.490	574239.560	20.230	TELESTRIAL MH35
	9551258.180	574240.820	20.280	TELESTRIAL MH35
MH36T	9551260.300	574238.960	20.220	TELESTRIAL MH36
	9551261.390	574239.270	20.120	TELESTRIAL MH36
	9551261.730	574238.090	20.200	TELESTRIAL MH36
	9551260.710	574237.770	20.250	TELESTRIAL MH36

Liquid Manholes

MH1L	9553373.369	573969.554	17.396	MH1 LIQUID
	9553373.989	573969.775	17.442	MH1 LIQUID
	9553373.687	573968.425	17.877	MH1 LIQUID
	9553374.277	573968.692	17.777	MH1 LIQUID
MHL2	9553442.163	573828.570	19.856	MH2 LIQUID

	9553442.799	573828.697	19.866	MH2 LIQUID
	9553443.102	573827.546	19.850	MH2 LIQUID
	9553442.473	573827.452	19.840	MH2 LIQUID
	9553442.779	573827.657	19.447	INV
MHL3	9553114.565	573299.747	23.045	MH3 LIQUID
	9553115.160	573300.268	23.083	MH3 LIQUID
	9553115.999	573299.319	23.069	MH3 LIQUID
	9553115.605	573298.888	23.032	MH3 LIQUID
	9553115.503	573299.188	21.895	INV
MHL4	9553093.104	573278.805	23.065	MH4 LIQUID
	9553093.046	573279.474	23.083	MH4 LIQUID
	9553091.766	573279.552	23.094	MH4 LIQUID
	9553091.710	573278.938	23.145	MH4 LIQUID
	9553092.509	573278.952	22.518	INV
MHL5	9553027.387	573213.568	22.990	MH5 LIQUID
	9553026.900	573214.068	22.949	MH5 LIQUID
	9553026.043	573213.247	22.977	MH5 LIQUID
	9553026.404	573212.724	23.009	MH5 LIQUID
MHL6	9552801.201	572946.255	21.757	MH 6 LTG
	9552800.779	572945.343	21.751	MH 6 LTG
	9552799.728	572945.661	21.778	MH 6 LTG
	9552799.979	572946.705	21.775	MH 6 LTG
	9552800.475	572945.759	21.258	INV
MHL7	9552778.283	572955.108	21.729	MH7
	9552777.338	572954.137	21.725	MH7
	9552776.796	572954.670	21.852	MH7
	9552777.649	572955.800	21.818	MH7
MHL8	9552742.583	572945.597	21.548	MH 8
	9552743.065	572945.035	21.603	MH 8
	9552742.667	572944.471	21.487	MH 8
	9552742.119	572944.886	21.533	MH 8
	9552742.687	572944.905	21.040	INV
MHL9	9552653.837	572938.638	21.418	MH8
	9552653.329	572937.957	21.254	MH8
	9552652.915	572938.669	21.455	MH8
MHL10	9553526.668	572931.378	23.333	MH10
	9553525.927	572932.024	23.352	MH10
	9553525.169	572931.276	23.374	MH10
	9553525.911	572930.603	23.288	MH10
MH11L	9553482.574	572969.878	23.229	MH11
	9553482.091	572970.334	23.349	MH11

	9553481.416	572969.695	23.379	MH11
	9553481.926	572969.169	23.388	MH11
MH12L	9553504.754	572983.484	23.376	MH12
	9553505.180	572984.012	23.395	MH12
	9553505.891	572983.605	23.372	MH12
	9553505.370	572983.024	23.390	MH12
MH13L	9553649.603	572939.880	23.504	MH13
	9553648.514	572940.826	23.531	MH13
	9553647.830	572939.831	23.540	MH13
	9553648.844	572939.043	23.477	MH13
MH14L	9553396.469	573070.378	22.706	LTG MH14
	9553396.924	573070.949	22.717	LTG MH14
	9553396.481	573071.235	22.740	LTG MH14
	9553396.021	573070.778	22.701	LTG MH14
MH15L	9553287.474	573160.947	22.253	MH15
	9553285.845	573159.541	24.445	MH15
	9553286.120	573160.064	24.662	MH15
	9553286.743	573159.765	24.548	MH15
	9553286.296	573159.186	24.549	MH15
MH16L	9553095.733	573330.404	22.842	MH16 LIQUID
	9553096.483	573331.078	22.730	MH16 LIQUID
	9553095.801	573332.008	22.774	MH16 LIQUID
	9553095.034	573331.443	22.869	MH16 LIQUID
MH17L	9553346.544	573628.974	20.545	MH17 LIQUID
	9553347.220	573628.392	20.576	MH17 LIQUID
	9553348.074	573629.013	20.559	MH17 LIQUID
	9553347.333	573629.776	20.564	MH17 LIQUID
MH18L	9553084.317	574150.009	17.667	MH 18LIQUID
	9553083.540	574150.408	17.626	MH 18LIQUID
	9553082.877	574149.096	17.612	MH 18LIQUID
	9553083.537	574148.679	17.678	MH 18LIQUID
MH19L	9553022.596	574034.676	17.682	MH19 LIQUID
	9553022.054	574034.967	17.604	MH19 LIQUID
	9553022.731	574036.066	17.626	MH19 LIQUID
	9553023.197	574035.846	17.659	MH19 LIQUID
MH20L	9552940.204	573444.297	20.789	LIQUID MH20
	9552940.890	573443.692	20.816	LIQUID MH20
	9552941.514	573444.343	20.792	LIQUID MH20
	9552940.837	573445.010	20.786	LIQUID MH20
MH21L	9552671.196	573643.874	18.447	MH21 LIQUID

	9552671.637	573644.634	18.493	MH21 LIQUID
	9552670.798	573645.214	18.483	MH21 LIQUID
	9552670.261	573644.501	18.409	MH21 LIQUID
	9552670.784	573644.695	17.288	INV
MH22L	9552586.028	573700.398	18.084	MH22 LIQUID
	9552586.510	573700.975	18.127	MH22 LIQUID
	9552585.928	573701.420	18.123	MH22 LIQUID
	9552585.478	573700.796	18.104	MH22 LIQUID
MH23L	9552569.637	573683.498	18.368	MH23 LIQUID
	9552570.112	573683.021	18.283	MH23 LIQUID
	9552569.706	573682.487	18.262	MH23 LIQUID
	9552569.137	573682.861	18.256	MH23 LIQUID
MH24L	9552569.410	573712.368	18.040	MH24 LIQUID
	9552569.898	573711.995	18.068	MH24 LIQUID
	9552569.549	573711.432	18.077	MH24 LIQUID
	9552569.006	573711.779	18.069	MH24 LIQUID
MH25L	9552481.534	573773.631	17.935	MH25 LIQUID
	9552482.270	573774.515	17.965	MH25 LIQUID
	9552481.677	573775.213	17.947	MH25 LIQUID
	9552480.842	573774.398	17.850	MH25 LIQUID
	9552481.582	573774.548	17.293	INV
MH26L	9552467.381	573784.056	17.830	MH26 LIQUID
	9552467.774	573784.646	17.812	MH26 LIQUID
	9552467.283	573785.088	17.873	MH26 LIQUID
	9552466.817	573784.508	17.890	MH26 LIQUID
MH27L	9552303.954	573897.610	18.431	MH27 LIQUID
	9552304.441	573897.356	18.443	MH27 LIQUID
	9552304.136	573896.756	18.468	MH27 LIQUID
	9552303.617	573897.167	18.473	MH27 LIQUID
MH28L	9552144.985	574005.293	19.036	MH28 LIQUID
	9552145.031	574006.326	19.642	MH28 LIQUID
	9552144.323	574006.403	19.579	MH28 LIQUID
	9552144.112	574005.501	19.716	MH28 LIQUID
MH29L	9551783.099	574407.420	18.487	LIQUID MH29
	9551783.752	574407.938	18.500	LIQUID MH29
	9551784.462	574407.246	18.497	LIQUID MH29
	9551783.757	574406.570	18.505	LIQUID MH29
MH30L	9551747.820	574455.087	18.863	LIQUID MH30
	9551748.797	574455.587	18.862	LIQUID MH30
	9551748.091	574455.823	18.845	LIQUID MH30
	9551748.310	574455.363	18.914	LIQUID MH30

MH31L	9551701.105	574543.446	19.215	LIQUID MH31
	9551700.687	574544.480	19.162	LIQUID MH31
	9551701.782	574544.755	19.175	LIQUID MH31
	9551702.114	574543.723	19.180	LIQUID MH31
MH32L	9551697.237	574567.735	19.208	LIQUID MH32
	9551697.930	574568.602	19.186	LIQUID MH32
	9551698.672	574568.164	19.207	LIQUID MH32
	9551698.170	574567.254	19.210	LIQUID MH32
MH33L	9551773.863	574598.469	18.524	LIQUID MH33
	9551775.043	574598.879	18.518	LIQUID MH33
	9551775.458	574597.802	18.550	LIQUID MH33
	9551774.370	574597.437	18.551	LIQUID MH33
MH34L	9551673.040	574549.412	19.336	LIQUID MH34
	9551672.068	574552.211	19.333	LIQUID MH34
	9551670.851	574551.764	19.362	LIQUID MH34
	9551671.771	574548.939	19.322	LIQUID MH34
MH35L	9551720.656	574448.924	18.883	LIQUID MH35
	9551721.108	574448.362	18.849	LIQUID MH35
	9551720.614	574448.056	18.869	LIQUID MH35
	9551720.227	574448.499	18.871	LIQUID MH35
	9551697.977	574567.375	18.307	INV
MH36L	9551570.725	574557.171	19.967	MH36LIQUID
	9551569.101	574556.581	19.975	MH36 LIQUID
	9551568.563	574557.992	20.004	MH36 LIQUID
	9551570.266	574558.591	20.017	MH36 LIQUID
MH37L	9551460.697	574521.517	20.119	LIQUID MH37
	9551459.150	574521.154	20.055	LIQUID MH37
	9551425.266	574512.683	20.417	LIQUID MH37
	9551425.191	574512.184	20.420	LIQUID MH37
MH38L	9551425.819	574511.896	20.369	LIQUID MH38
	9551426.077	574512.339	20.455	LIQUID MH38
	9551425.648	574512.140	20.409	LIQUID MH38
MH39L	9551409.068	574509.330	20.222	LIQUID MH39
	9551408.365	574509.092	20.211	LIQUID MH39
	9551408.267	574509.782	20.236	LIQUID MH39
	9551408.853	574509.997	20.204	LIQUID MH39
	9551408.595	574509.485	19.539	INV
MH40L	9551381.221	574499.586	20.454	LIQUID MH40
	9551379.737	574499.105	20.449	LIQUID MH40
	9551379.299	574500.552	20.415	LIQUID MH40

	9551380.690	574501.090	20.395	LIQUID MH40
MH41L	9551343.145	574484.876	20.402	MH41LIQIUD
	9551342.469	574484.645	20.357	MH41LIQIUD
	9551342.323	574485.257	20.225	MH41LIQIUD
	9551342.885	574485.543	20.219	MH41LIQIUD
MH42L	9551271.073	574459.011	20.914	MH42LIQIUD
	9551270.293	574458.911	20.926	MH42LIQIUD
	9551270.157	574459.621	20.931	MH42LIQIUD
	9551270.952	574459.768	20.902	MH42LIQIUD
MH43L	9551169.297	574549.440	21.701	LIQUID MH 43
	9551170.102	574549.646	21.676	LIQUID MH 43
	9551170.313	574548.783	21.668	LIQUID MH 43
	9551169.574	574548.444	21.777	LIQUID MH 43
MH44L	9551149.621	574631.988	21.286	LIQUID MH44
	9551150.319	574632.204	21.295	LIQUID MH44
	9551150.695	574630.969	21.307	LIQUID MH44
	9551150.036	574630.708	21.305	LIQUID MH44
MH45L	9551177.881	574597.853	21.396	LIQUID MH45
	9551178.386	574597.904	21.379	LIQUID MH45
	9551178.529	574597.253	21.464	LIQUID MH45
	9551177.914	574597.124	21.469	LIQUID MH45
MH46L	9551198.241	574446.124	21.245	MH46 LIQUID
	9551198.829	574447.286	21.242	MH46 LIQUID
	9551200.020	574446.872	21.198	MH46 LIQUID
	9551199.520	574445.493	21.199	MH46 LIQUID
MH47L	9551207.651	574413.992	21.007	MH47 LIQUID
	9551208.564	574414.352	20.990	MH47 LIQUID
	9551209.158	574413.950	20.975	MH47 LIQUID
	9551209.465	574413.048	20.993	MH47 LIQUID
	9551208.249	574412.512	21.011	MH47 LIQUID
MH48L	9551225.673	574363.479	19.487	MH48 LIQUID
	9551225.453	574362.554	20.371	MH48 LIQUID
	9551226.270	574362.872	20.382	MH48 LIQUID
	9551226.045	574364.079	20.367	MH48 LIQUID
	9551225.289	574363.997	20.377	MH48 LIQUID
MH49L	9551237.947	574312.760	19.903	MH49 LIQUID
	9551236.925	574312.478	19.950	MH49 LIQUID
	9551238.305	574310.692	19.900	MH49 LIQUID
	9551237.173	574310.566	19.943	MH49 LIQUID
MH50L	9551259.443	574241.192	20.285	MH50LIQUID

	9551259.644	574239.993	20.296	MH50LIQUID
	9551258.570	574239.602	20.284	MH50LIQUID
	9551258.270	574240.849	20.294	MH50LIQUID
MH51L	9551278.322	574274.551	20.068	MH51LIQUID
	9551278.128	574275.297	20.091	MH51LIQUID
	9551277.453	574275.168	20.091	MH51LIQUID
	9551277.581	574274.419	20.064	MH51LIQUID
MH52L	9551263.095	574326.030	20.001	MH52LIQUID
	9551262.424	574327.329	19.959	MH52LIQUID
	9551263.253	574327.619	19.948	MH52LIQUID
	9551263.896	574326.332	19.719	MH52LIQUID
MH53L	9551239.284	574403.551	20.690	MH53LIQUID
	9551239.176	574404.200	20.686	MH53LIQUID
	9551239.633	574404.340	20.589	MH53LIQUID
	9551239.829	574403.811	20.608	MH53LIQUID
MH54L	9551238.930	574405.501	20.673	MH54LIQUID
	9551237.865	574406.012	20.725	MH54LIQUID
	9551238.193	574405.442	20.731	MH54LIQUID
	9551238.624	574406.239	20.717	MH54LIQUID
MH55L	9551237.806	574421.801	21.013	MH55LIQUID
	9551237.469	574421.074	21.037	MH55LIQUID
	9551238.086	574420.800	21.014	MH55LIQUID
	9551238.447	574421.658	20.992	MH55LIQUID
MH56L	9551241.954	574425.534	20.932	MH56LIQUID
	9551243.160	574425.903	20.956	MH56LIQUID
	9551243.350	574425.323	20.974	MH56LIQUID
	9551241.988	574424.843	20.886	MH56LIQUID
	9551243.216	574425.962	20.875	MH56LIQUID
	9551242.304	574425.322	19.809	INV
MH10	9551200.133	574518.648	21.501	MH 110
	9551199.838	574519.598	21.506	MH 110
	9551198.869	574519.294	21.442	MH 110
	9551199.186	574518.385	21.418	MH 110
MH111	9551196.922	574533.454	21.610	MH 111
	9551196.380	574533.323	21.623	MH 111
	9551195.916	574534.666	21.635	MH 111
	9551196.555	574534.838	21.638	MH 111

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Power Posts

M-2 AC6	9551486.496	574516.274	20.359	PPW 2
M-2 AC8	9551469.537	574510.794	20.291	PPC3
M-2 AC44	9551234.831	574421.140	20.979	PPC 4

M-2 AC9	9551466.725	574510.168	20.464	PPC4
M-2 AC10	9551424.122	574496.599	20.453	PPS5
M-2 AC11	9551421.550	574496.086	20.753	PPS6
M-2 AC14	9551367.784	574478.010	20.660	PPC7
M-2 AC15	9551367.788	574477.986	20.654	PPS7
M-2 AC16	9551366.139	574477.362	20.670	PPC8
M-2 AC17	9551365.539	574478.987	20.739	PPC9
M-2 AC18	9551354.976	574473.537	20.670	PPW10
M-2 AC19	9551354.166	574473.041	20.606	PPC11
M-2 AC20	9551343.102	574470.088	20.826	PPS12
M-2 AC23	9551314.356	574460.291	20.967	PPS13
M-2 AC21	9551340.492	574469.363	20.802	PPW13
M-2 AC22	9551311.739	574459.958	20.967	PPW14
M-2 AC24	9551273.277	574447.321	21.071	PPS15
M-2 AC26	9551238.606	574437.156	21.263	PPW 16
M-2 AC27	9551236.769	574437.008	21.325	PPS 17
M-2 AC28	9551183.886	574422.816	21.013	PPS 18
M-2 AC30	9551119.150	574405.634	21.118	PPS 19
M-2 AC31	9551116.708	574405.007	21.104	PPS 20
M-2 AC32	9551116.711	574405.048	21.053	PPW 20
M-2 AC33	9551073.365	574393.600	20.754	PPS 21
M-2 AC34	9551024.488	574380.444	20.545	PPS 22
M-2 AC35	9551198.453	574444.084	21.211	PPC23
M-2 AC45	9551227.088	574403.931	20.905	PPC 25
M-2 AC50	9551236.394	574368.052	20.178	PPC 26
M-2 AC54	9551246.752	574332.726	19.592	PPS 27
M-2 AC57	9551256.168	574297.530	19.974	PPC 28
M-2 AC58	9551262.197	574277.910	19.953	PPC 29
M-2 AC60	9551294.477	574161.847	20.184	PPC 30
M-2 AC65	9551304.981	574122.193	19.099	PPC31
M-2 AC67	9551310.496	574099.367	18.870	PPC 32
M-2 AC72	9551215.087	574008.657	17.026	PPW 33
M-2 AC73	9551212.561	574007.685	16.919	PPW 34
M-2 AC74	9551168.561	573981.402	16.544	PPS 35
M-2 AC76	9551198.989	573977.553	16.375	PPC 36
M-2 AC77	9551199.749	573976.930	16.466	PPS 37
M-2 AC81	9551267.977	574027.167	17.145	PPW 38
M-2 AC84	9551325.251	574032.978	17.913	PPS 39
M-2 AC85	9551335.183	573986.586	17.642	PPS 40
M-2 AC86	9551335.986	573983.977	17.540	PPS 40
M-2 AC92	9551341.796	573956.079	17.487	PPW 42
M-2 AC93	9551346.121	573935.905	17.540	PPC 43
M-2 AC99	9551346.371	573887.749	17.501	PPC 44
M-2 AC100	9551346.239	573885.765	17.518	PPC 45
M-2 AC108	9551523.917	574119.795	18.859	PPS 59
M-2 AC109	9551557.316	574122.812	19.122	PPS 60
M-2 AC118	9551625.751	573971.878	18.925	PPC 61
M-2 AC126	9551612.483	574022.478	19.283	PPC 62
M-2 AC3	9551510.921	574525.187	20.198	PPW
M-2 AC4	9551521.101	574515.913	20.109	PPW

M-2 AC5	9551546.256	574536.502	20.181	PP TS
M-2 AC6	9551543.511	574535.768	20.533	PP TS

Street Lights

M-2 AC49	9551228.787	574353.968	20.195	SL 1
M-2 AC53	9551254.585	574346.553	19.947	SL 2
M-2 AC55	9551237.273	574325.132	19.835	SL 3
M-2 AC56	9551244.117	574294.515	19.906	SL 4
M-2 AC63	9551284.928	574154.020	19.841	SL 5
M-2 AC64	9551293.522	574122.402	19.257	SL 6
M-2 AC71	9551300.774	574089.483	18.567	SL 7
M-2 AC107	9551337.045	574053.946	18.045	SL 8
M-2 AC113	9551591.171	574058.209	18.939	SL 9
M-2 AC114	9551597.755	574034.425	18.798	SL 10
M-2 AC115	9551604.956	574005.808	18.699	SL 11
M-2 AC116	9551609.403	573987.271	18.587	SL 12
M-2 AC117	9551614.496	573968.811	18.501	SL 13
M-2 AC122	9551611.614	574071.263	18.922	SL 14
M-2 AC124	9551600.861	574120.303	19.110	SL 15
M-2 AC70	9551324.115	574087.296	18.622	SL 16
M-2 AC46	9551238.107	574404.835	20.797	SL 17
M-2 AC47	9551220.742	574382.829	20.543	SL 18
M-2 AC87	9551320.694	573998.676	17.432	SL 19
M-2 AC94	9551333.882	573939.299	17.335	SL 20
M-2 AC96	9551335.009	573909.903	17.397	SL 21
M-2 AC98	9551334.873	573879.695	17.469	SL 22
M-2 AC103	9551349.915	573971.138	17.482	SL 23
M-2 AC105	9551343.230	574000.669	17.477	SL 24
M-2 AC101	9551357.799	573883.515	17.372	SL 25 BB COKE
M-2 AC102	9551356.852	573941.810	17.450	SL 26 BB COKE
M-2 AC91	9551327.102	573969.399	17.425	SL 27 BB GALAXY
M-2 AC80	9551199.854	574448.257	21.206	SL 28
M-2 AC69	9551504.516	574502.588	20.195	SL 29
M-2 AC58	9551509.936	574476.233	20.118	SL 30
M-2 AC47	9551376.442	573451.576	17.072	SL 31
M-2 AC36	9551402.126	573476.475	17.174	SL 32
M-2 AC25	9551407.887	573450.658	17.123	SL 33
M-2 AC14	9551380.021	573419.811	16.885	SL 34
M-2 AC3	9551836.803	573550.696	16.385	SL 35
M-2 AC8	9551845.909	573562.829	16.296	SL 36
M-2 AC19	9551548.828	574266.919	20.043	SL 37
M-2 AC30	9551551.375	574267.451	20.039	SL 38
M-2 AC41	9551546.906	574274.538	20.056	SL 39
M-2 AC52	9551547.360	574282.918	20.139	SL 40
M-2 AC63	9551545.467	574289.892	19.890	SL 41
M-2 AC74	9551565.519	574160.809	19.278	SL 42
M-2 AC85	9551558.415	574189.101	19.293	SL 43
M-2 AC96	9551550.957	574218.924	19.368	SL 44
M-2 AC107	9551542.661	574250.066	19.421	SL 45
M-2 AC118	9551506.045	574393.453	19.815	SL 46

M-2 AC129	9551498.876	574422.096	19.899	SL 47
M-2 AC140	9551492.191	574447.860	20.010	SL 48
M-2 AC151	9551486.915	574468.562	20.045	SL 49
M-2 AC162	9551480.618	574492.626	20.091	SL 50
M-2 AC173	9551502.484	574500.243	20.169	SL 51
M-2 AC184	9551519.497	574432.877	19.861	SL 52
M-2 AC195	9551527.350	574401.252	19.877	SL 53
M-2 AC206	9551548.623	574316.487	19.632	SL 54
M-2 AC217	9551556.516	574285.618	19.629	SL 55
M-2 AC228	9551567.854	574242.831	19.326	SL 56
M-2 AC239	9551370.361	573494.561	17.108	SL 57
M-2 AC250	9551356.030	573569.393	17.289	SL 58
M-2 AC261	9551380.513	573559.103	17.211	SL 59
M-2 AC272	9551423.070	573213.373	16.482	SL 60
M-2 AC283	9551764.137	573465.772	16.063	SL 61

IS Manholes

21	9551266.564	574461.288	20.945	IS MH 16
22	9551265.861	574461.125	20.897	IS MH 16
23	9551265.714	574461.776	20.918	IS MH 16
24	9551266.352	574461.923	20.957	IS MH 16
33	9551551.188	574557.082	19.845	IS MH 17
34	9551551.070	574557.534	20.063	IS MH 17
35	9551551.932	574557.398	19.760	IS MH 17
36	9551551.657	574557.854	19.813	IS MH 17

MTN Manholes

17	9551204.148	574412.850	21.114	MTN MH 15
18	9551203.918	574412.128	21.096	MTN MH 15
19	9551203.255	574412.276	21.089	MTN MH 15
20	9551203.422	574412.964	21.058	MTN MH 15
25	9551423.600	574515.063	20.200	MTN MH 16
26	9551424.159	574514.097	20.342	MTN MH 16
27	9551424.838	574514.526	20.322	MTN MH 16
28	9551424.105	574515.387	20.303	MTN MH 16
29	9551536.287	574547.008	20.237	MTN MH 17
30	9551536.733	574548.054	20.212	MTN MH 17
31	9551536.032	574548.317	20.250	MTN MH 17
32	9551535.562	574547.394	20.215	MTN MH 17

JTL Manholes

Point Number	Easting	Northing	Point Elevation	Raw Description
237	573970.0470m	9551644.1610	18.250m	JTL MH 11 INV
233	573970.6230m	9551643.8490	18.476m	JTL MH 11
234	573969.9660m	9551644.4230	18.454m	JTL MH 11
235	573970.1090m	9551643.2370	18.474m	JTL MH 11
236	573969.4530m	9551643.7410	18.503m	JTL MH 11
227	573983.9380m	9551640.3590	18.556m	JTL MH 10 INV
228	573983.2910m	9551640.2480	18.624m	JTL MH 10 INV
229	573983.2930m	9551640.2670	18.628m	JTL MH 10

230	573984.1640m	9551640.3500	18.713m	JTL MH 10
231	573983.1970m	9551641.0540	18.641m	JTL MH 10
232	573983.9940m	9551641.1100	18.741m	JTL MH 10

Storm Water Manholes

1	9551412.112	574512.890	20.081	MH1-SILTED
2	9551412.176	574513.494	20.028	MH1-SILTED
3	9551411.528	574513.619	20.157	MH1-SILTED
4	9551411.465	574512.984	20.139	MH1-SILTED
5	9551409.163	574523.589	20.117	MH2-SEALED
6	9551410.169	574523.486	20.064	MH2-SEALED
7	9551410.294	574524.507	20.064	MH2-SEALED
8	9551412.946	574514.661	20.033	MH2-SEALED
9	9551412.865	574515.343	20.015	MH2-SEALED
10	9551413.521	574515.412	20.064	MH2-SEALED
11	9551413.636	574514.740	20.089	MH2-SEALED
12	9551488.794	574529.125	20.111	MH3-SILTED
13	9551488.195	574528.936	20.075	MH3-SILTED
14	9551488.585	574529.727	20.106	MH3-SILTED
15	9551488.024	574529.619	20.128	MH3-SILTED
77	9551566.154	574541.201	20.077	MH19-BLOCKED
78	9551566.256	574542.003	20.076	MH19-BLOCKED
79	9551567.095	574541.947	20.115	MH19-BLOCKED
80	9551566.996	574541.057	20.041	MH19-BLOCKED
81	9551524.378	574527.244	20.017	MH20-BLOCKED
82	9551524.896	574527.452	20.002	MH20-BLOCKED
83	9551525.118	574526.923	20.006	MH20-BLOCKED
84	9551524.587	574526.705	20.019	MH20-BLOCKED
85	9551509.377	574522.021	20.203	MH21-BLOCKED
86	9551508.796	574521.856	20.180	MH21-BLOCKED
87	9551508.945	574521.236	20.177	MH21-BLOCKED
88	9551509.555	574521.398	20.168	MH21-BLOCKED
89	9551491.639	574521.467	20.244	MH22-BLOCKED
90	9551491.807	574521.024	20.256	MH22-BLOCKED
91	9551491.048	574521.238	20.250	MH22-BLOCKED
92	9551491.175	574520.821	20.255	MH22-BLOCKED
93	9551493.438	574517.360	20.241	MH23-SILTED
94	9551492.460	574517.048	20.305	MH23-SILTED
95	9551492.828	574515.950	20.149	MH23-SILTED
96	9551493.880	574516.245	20.105	MH23-SILTED
97	9551474.446	574514.461	20.234	MH24-SEALED
98	9551473.509	574514.149	20.238	MH24-SEALED
99	9551473.742	574513.310	20.216	MH24-SEALED
100	9551492.766	574448.550	19.859	MH25-BLOCKED
101	9551493.263	574448.669	19.853	MH25-BLOCKED
102	9551492.869	574448.022	19.821	MH25-0.55
103	9551493.377	574448.106	19.862	MH25-0.55
104	9551551.762	574306.208	19.583	MH26-BLOCKED
105	9551551.769	574306.471	19.613	MH26-BLOCKED
106	9551551.505	574306.622	19.587	MH26-BLOCKED

107	9551542.717	574341.113	19.649	MH2-1.15
108	9551542.891	574341.441	19.677	MH2-1.15
109	9551542.567	574341.596	19.698	MH2-1.15
110	9551544.234	574352.117	19.794	MH28-COULD NOT BE OPENED
111	9551544.580	574353.068	19.769	MH28-COULD NOT BE OPENED
112	9551545.524	574352.755	19.961	MH28-COULD NOT BE OPENED
113	9551545.151	574351.841	19.879	MH28-COULD NOT BE OPENED
114	9551538.764	574368.212	19.937	MH29-COULD NOT BE OPENED
115	9551539.315	574368.436	19.936	MH29-COULD NOT BE OPENED
116	9551539.116	574369.008	19.895	MH29-COULD NOT BE OPENED
117	9551538.595	574368.806	19.887	MH29-COULD NOT BE OPENED
118	9551534.883	574371.775	19.679	MH30-BLOCKED
119	9551535.008	574372.073	19.670	MH30-BLOCKED
120	9551534.735	574372.254	19.650	MH30-BLOCKED
121	9551527.815	574399.785	19.657	MH31-1M
122	9551527.331	574399.696	19.704	MH31-1M
123	9551527.264	574400.203	19.682	MH31-1M
124	9551527.730	574400.276	19.610	MH31-1M
125	9551520.568	574428.243	19.663	MH32-0.5
126	9551520.459	574428.694	19.650	MH32-0.5
127	9551520.003	574428.569	19.663	MH32-0.5
128	9551520.136	574428.120	19.675	MH32-0.5
129	9551519.584	574437.912	19.903	MH33-1.7
130	9551519.731	574437.320	19.984	MH33-1.7
131	9551520.132	574438.107	19.939	MH33-1.7
132	9551520.296	574437.524	19.892	MH33-1.7
133	9551510.524	574467.855	19.857	MH34-BLOCKED
134	9551510.115	574467.699	19.846	MH34-BLOCKED
135	9551510.237	574467.257	19.846	MH34-BLOCKED
136	9551510.643	574467.363	19.846	MH34-BLOCKED
137	9551505.467	574492.428	20.135	MH35-1.6M
138	9551506.020	574492.561	20.154	MH35-1.6M
139	9551505.310	574492.981	20.228	MH35-1.6M
140	9551505.882	574493.135	20.220	MH35-1.6M
141	9551503.750	574494.435	20.068	MH3M-BLOCKED
142	9551503.565	574494.125	20.010	MH3M-BLOCKED
143	9551503.403	574494.620	20.049	MH3M-BLOCKED
144	9551502.639	574503.222	20.058	MH37-1.35M
145	9551503.088	574503.397	20.041	MH37-1.35M
146	9551502.958	574503.825	20.045	MH37-1.35M
147	9551502.518	574503.671	20.046	MH37-1.35M
148	9551723.180	574425.691	18.334	MH38-0.3M
149	9551722.855	574425.779	18.323	MH38-0.3M
150	9551722.895	574425.382	18.343	MH38-0.3M
151	9551733.065	574420.518	18.475	MH39-0.9
152	9551733.273	574420.039	18.636	MH39-0.9
153	9551732.732	574419.752	18.632	MH39-0.9
154	9551732.364	574420.276	18.518	MH39-0.9

Sewer Manholes

65	9551477.029	574515.222	20.212	MH11
66	9551477.148	574515.310	20.198	MH11
67	9551477.396	574515.694	20.197	MH11
68	9551477.364	574515.799	20.197	MH11
69	9551476.834	574515.765	20.200	MH11
70	9551476.752	574515.707	20.203	MH11
71	9551477.063	574515.596	20.205	MH11 C
72	9551408.478	574524.299	20.094	MH12
73	9551408.327	574524.385	20.106	MH12
74	9551408.072	574524.811	20.096	MH12
75	9551408.118	574524.933	20.097	MH12
76	9551408.585	574524.884	20.103	MH12
77	9551408.735	574524.793	20.124	MH12
78	9551408.411	574524.665	20.104	MH12C
79	9551409.140	574523.490	20.086	MH13
80	9551410.231	574523.365	20.068	MH13
81	9551410.363	574524.463	20.055	MH13
82	9551409.377	574524.584	20.079	MH13
83	9551409.787	574523.994	20.095	MH13 C
84	9551411.099	574522.945	20.058	MH13 A
85	9551408.102	574522.360	20.137	MH13 A
86	9551407.530	574525.564	20.077	MH13 A
87	9551410.525	574526.016	20.081	MH13 A
95	9551520.230	574353.036	19.748	MH15 5.07M
96	9551520.063	574353.305	19.739	MH15
97	9551520.189	574353.321	19.743	MH15
98	9551520.510	574352.978	19.732	MH15
99	9551520.536	574352.854	19.737	MH15
100	9551519.998	574352.677	19.735	MH15
101	9551519.963	574352.822	19.735	MH15
102	9551492.444	574340.529	19.696	MH16
103	9551492.576	574340.590	19.690	MH16
104	9551492.858	574340.970	19.697	MH16
105	9551492.823	574341.095	19.703	MH16
106	9551492.293	574341.075	19.687	MH16
107	9551492.179	574341.000	19.690	MH16
108	9551492.528	574340.860	19.679	MH16 2.1M
109	9551528.603	574319.685	19.623	MH17 4.98M
110	9551528.428	574320.009	19.622	MH17
111	9551528.567	574320.032	19.618	MH17
112	9551528.921	574319.688	19.625	MH17
113	9551528.990	574319.574	19.624	MH17
114	9551528.424	574319.381	19.622	MH17
115	9551528.389	574319.501	19.620	MH17
116	9551484.464	574295.270	19.442	MH18 4.49M
117	9551484.107	574295.423	19.433	MH18
118	9551484.221	574295.499	19.425	MH18
119	9551484.714	574295.454	19.429	MH18
120	9551484.748	574295.345	19.439	MH18
121	9551484.509	574294.964	19.420	MH18

122	9551484.358	574294.924	19.424	MH18
123	9551536.687	574286.967	19.595	MH19
124	9551536.655	574287.081	19.604	MH19
125	9551536.715	574287.539	19.606	MH19
126	9551536.890	574287.569	19.609	MH19
127	9551537.175	574287.227	19.610	MH19
128	9551537.203	574287.130	19.601	MH19
129	9551536.871	574287.283	19.601	MH19 4.8M
130	9551546.359	574248.808	19.450	MH20
131	9551546.485	574248.821	19.456	MH20
132	9551546.832	574248.449	19.455	MH20
133	9551546.852	574248.330	19.460	MH20
134	9551546.328	574248.177	19.473	MH20
135	9551546.258	574248.304	19.450	MH20
136	9551546.524	574248.464	19.468	MH20 4.54M
137	9551573.949	574249.245	19.365	MH21 4.02M
138	9551574.515	574249.275	19.367	MH21
139	9551573.810	574248.663	19.426	MH21
140	9551574.600	574248.550	19.376	MH21
141	9551574.375	574249.005	19.411	MH21 4.02M
230	9551508.035	574536.912	20.188	MH45
231	9551508.058	574538.065	20.233	MH45
232	9551509.228	574538.097	20.199	MH45
233	9551509.200	574536.993	20.170	MH45
234	9551508.592	574537.514	20.145	MH45 3.4M

Safaricom Manholes

MHSF9A	9551535.222	574544.012	20.098	Safaricom Manhole
MHSF9A	9551535.669	574545.048	20.186	Safaricom Manhole
MHSF9A	9551535.081	574544.827	20.141	Safaricom Manhole
MHSF9A	9551534.716	574545.220	20.209	Safaricom Manhole
MHSF9A	9551534.444	574544.220	20.102	Safaricom Manhole
MHSF28	9551300.309	574470.464	20.771	Safaricom Manhole
MHSF28	9551300.027	574471.285	20.809	Safaricom Manhole
MHSF28	9551299.185	574470.984	20.800	Safaricom Manhole
MHSF28	9551299.488	574470.159	20.791	Safaricom Manhole
MHSF28	9551299.809	574470.722	20.784	Safaricom Manhole
MHSF29	9551335.194	574481.314	20.665	Safaricom Manhole
MHSF29	9551334.371	574481.017	20.675	Safaricom Manhole
MHSF29	9551334.067	574481.846	20.683	Safaricom Manhole
MHSF29	9551334.877	574482.150	20.674	Safaricom Manhole
MHSF30	9551410.117	574510.284	20.182	Safaricom Manhole
MHSF30	9551409.815	574511.104	20.171	Safaricom Manhole
MHSF30	9551408.966	574510.850	20.172	Safaricom Manhole
MHSF30	9551409.222	574509.948	20.174	Safaricom Manhole
MHSF30	9551409.525	574510.565	20.188	Safaricom Manhole
MHSF31	9551425.347	574515.000	20.194	Safaricom Manhole
MHSF31	9551425.997	574515.314	20.202	Safaricom Manhole
MHSF31	9551426.265	574514.669	20.187	Safaricom Manhole
MHSF31	9551425.615	574514.350	20.197	Safaricom Manhole

MHSF32	9551500.685	574536.358	20.050	Safaricom Manhole
MHSF32	9551500.466	574536.991	20.057	Safaricom Manhole
MHSF32	9551499.836	574536.831	20.073	Safaricom Manhole
MHSF32	9551500.064	574536.221	20.056	Safaricom Manhole
MHSF33	9551321.448	574446.874	20.716	Safaricom Manhole
MHSF33	9551321.992	574446.395	20.737	Safaricom Manhole
MHSF33	9551321.424	574445.676	20.734	Safaricom Manhole
MHSF33	9551320.871	574446.107	20.721	Safaricom Manhole
MHSF34	9551418.094	574481.779	20.333	Safaricom Manhole
MHSF34	9551418.513	574482.411	20.262	Safaricom Manhole
MHSF34	9551417.404	574482.047	20.261	Safaricom Manhole
MHSF34	9551417.708	574481.185	20.312	Safaricom Manhole
MHSF34	9551418.835	574481.453	20.254	Safaricom Manhole
MHSF35	9551478.880	574495.302	20.071	Safaricom Manhole
MHSF35	9551478.950	574494.443	20.084	Safaricom Manhole
MHSF35	9551478.120	574494.359	20.114	Safaricom Manhole
MHSF35	9551478.024	574495.200	20.096	Safaricom Manhole
MHSF35	9551478.439	574494.809	20.095	Safaricom Manhole
MHSF36	9551501.930	574502.322	20.075	Safaricom Manhole
MHSF36	9551502.817	574502.350	20.092	Safaricom Manhole
MHSF36	9551502.892	574501.481	20.122	Safaricom Manhole
MHSF36	9551502.018	574501.420	20.081	Safaricom Manhole
MHSF36	9551502.410	574501.870	20.102	Safaricom Manhole
MHSF37	9551483.487	574435.598	19.979	Safaricom Manhole
MHSF37	9551482.599	574435.282	19.941	Safaricom Manhole
MHSF37	9551482.377	574435.760	19.884	Safaricom Manhole
MHSF37	9551483.315	574436.085	19.884	Safaricom Manhole
MHSF37	9551482.910	574435.678	19.935	Safaricom Manhole
MHSF38	9551529.550	574402.942	19.744	Safaricom Manhole
MHSF38	9551528.799	574402.826	19.742	Safaricom Manhole
MHSF38	9551529.289	574403.721	19.745	Safaricom Manhole
MHSF38	9551528.627	574403.517	19.745	Safaricom Manhole
MHSF39	9551545.299	574365.473	19.716	Safaricom Manhole
MHSF39	9551544.663	574365.571	19.694	Safaricom Manhole
MHSF39	9551544.590	574366.699	19.750	Safaricom Manhole
MHSF39	9551545.278	574366.618	19.729	Safaricom Manhole
MHSF39	9551545.007	574366.253	19.744	Safaricom Manhole
MHSF40	9551546.815	574354.187	19.851	Safaricom Manhole
MHSF40	9551547.170	574354.888	19.805	Safaricom Manhole
MHSF40	9551547.961	574354.478	19.881	Safaricom Manhole
MHSF40	9551547.495	574353.767	19.915	Safaricom Manhole
MHSF40	9551547.473	574353.693	19.920	Safaricom Manhole
MHSF40	9551547.324	574354.231	19.876	Safaricom Manhole
MHSF41	9551398.441	572684.709	17.680	Safaricom Manhole

Water Valve Manholes

Valve 1	9551402.199	574487.592	20.514	WATER VALVE
Valve 1	9551401.643	574487.378	20.531	WATER VALVE
Valve 1	9551401.484	574487.734	20.538	WATER VALVE
Valve 1	9551402.060	574487.952	20.527	WATER VALVE

Valve 1	9551402.014	574487.687	19.776	WATER VALVE
FH1	9551311.661	574458.593	20.882	Fire Hydrant
FH1	9551312.719	574458.911	20.898	Fire Hydrant
FH1	9551313.052	574457.882	20.742	Fire Hydrant
FH1	9551312.000	574457.523	20.755	Fire Hydrant

Telkom Manholes

MH19T	9551574.070	574532.610	14.510	CERRESTRIAL MH 19
	9551574.250	574531.860	14.400	CERRESTRIAL MH 19
	9551572.780	574531.630	14.460	CERRESTRIAL MH 19
	9551572.080	574531.880	19.970	CERRESTRIAL MH 19
MH20T	9551533.100	574519.140	20.080	CERRESTRIAL MH 20
	9551531.720	574518.670	20.100	CERRESTRIAL MH 20
	9551532.110	574517.460	19.830	CERRESTRIAL MH 20
	9551533.390	574517.980	20.000	CERRESTRIAL MH 20
MH21T	9551476.120	574497.520	20.310	CERRESTRIAL MH 21
	9551474.190	574497.000	20.360	CERRESTRIAL MH 21
	9551473.800	574498.310	20.350	CERRESTRIAL MH 21
	9551475.340	574498.650	20.320	CERRESTRIAL MH 21
	9551475.840	574498.500	20.330	CERRESTRIAL MH 21
MH22T	9551427.800	574484.530	20.330	CERRESTRIAL MH 22
	9551428.950	574484.930	20.360	CERRESTRIAL MH 22
	9551429.220	574483.780	20.290	CERRESTRIAL MH 22
	9551428.170	574483.320	20.260	CERRESTRIAL MH 22
MH23T	9551423.260	574482.670	20.220	CERRESTRIAL MH 23
	9551421.940	574482.380	20.290	CERRESTRIAL MH 23
MH24T	9551380.720	574469.830	20.440	CERRESTRIAL MH 24
	9551379.600	574469.660	20.440	CERRESTRIAL MH 24
	9551379.810	574468.350	20.460	CERRESTRIAL MH 24
	9551381.030	574468.570	20.410	CERRESTRIAL MH 24
MH25T	9551338.290	574455.020	20.660	CERRESTRIAL MH 25
	9551337.320	574454.700	20.590	CERRESTRIAL MH 25
	9551337.460	574453.710	20.180	CERRESTRIAL MH 25
MH29T	9551225.150	574360.390	20.300	CERRESTRIAL MH 29
	9551226.300	574360.640	20.290	CERRESTRIAL MH 29
	9551226.120	574361.670	20.310	CERRESTRIAL MH 29
	9551224.890	574361.380	20.290	CERRESTRIAL MH 29
	9551224.910	574361.200	19.370	CERRESTRIAL MH 29INV
MH30T	9551209.390	574412.980	20.950	SUBMARINE TELE MH 30
	9551209.210	574413.920	20.930	SUBMARINE TELE MH 30
	9551208.620	574414.290	20.940	SUBMARINE TELE MH 30
	9551207.620	574414.010	20.950	SUBMARINE TELE MH 30
	9551208.020	574412.630	20.970	SUBMARINE TELE MH 30

MH31T	9551196.100	574464.340	21.310	SUBMARINE TELE MH31
	9551196.920	574464.560	21.260	SUBMARINE TELE MH31
	9551196.690	574465.480	21.250	SUBMARINE TELE MH31
	9551195.880	574465.370	21.310	SUBMARINE TELE MH31
MH36T	9551260.300	574238.960	20.220	TELESTRIAL MH36
	9551261.390	574239.270	20.120	TELESTRIAL MH36
	9551261.730	574238.090	20.200	TELESTRIAL MH36
	9551260.710	574237.770	20.250	TELESTRIAL MH36
MH37T	9551280.890	574161.410	20.020	TELESTRIAL MH37
	9551281.830	574161.820	19.980	TELESTRIAL MH37
	9551282.390	574160.530	19.920	TELESTRIAL MH37
	9551281.250	574160.040	20.000	TELESTRIAL MH37
MH38T	9551293.220	574120.860	19.670	TELESTRIAL MH38
	9551293.530	574119.790	19.930	TELESTRIAL MH38
	9551292.370	574119.480	19.930	TELESTRIAL MH38
	9551292.040	574120.590	19.970	TELESTRIAL MH38

Liquid Manholes

MH37L	9551460.697	574521.517	20.119	LIQUID MH37
	9551459.150	574521.154	20.055	LIQUID MH37
	9551425.266	574512.683	20.417	LIQUID MH37
	9551425.191	574512.184	20.420	LIQUID MH37
MH38L	9551425.819	574511.896	20.369	LIQUID MH38
	9551426.077	574512.339	20.455	LIQUID MH38
	9551425.648	574512.140	20.409	38
MH39L	9551409.068	574509.330	20.222	LIQUID MH39
	9551408.365	574509.092	20.211	LIQUID MH39
	9551408.267	574509.782	20.236	LIQUID MH39
	9551408.853	574509.997	20.204	LIQUID MH39
	9551408.595	574509.485	19.539	INV
MH40L	9551381.221	574499.586	20.454	LIQUID MH40
	9551379.737	574499.105	20.449	LIQUID MH40
	9551379.299	574500.552	20.415	LIQUID MH40
	9551380.690	574501.090	20.395	LIQUID MH40
MH41L	9551343.145	574484.876	20.402	MH41LIQIUD
	9551342.469	574484.645	20.357	MH41LIQIUD
	9551342.323	574485.257	20.225	MH41LIQIUD
	9551342.885	574485.543	20.219	MH41LIQIUD

A7R-5 & PS-3

Code	Northings(m)	Eastings(m)	Elevation(m)	Description
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Powerposts				
P 1	9551983.223	574563.638	17.384	Powerpost
P 2	9551980.080	574563.621	18.195	Powerpost
P 3	9551982.417	574552.666	17.140	Powerpost
P 4	9551941.472	574593.401	18.627	Powerpost
P 5	9551907.328	574630.977	18.532	Powerpost
P 6	9551907.639	574631.503	18.649	Powerpost
P 7	9551905.479	574632.355	18.470	Powerpost
P 8	9551905.523	574633.071	18.483	Powerpost
P 9	9551905.400	574633.921	18.205	Powerpost
P 10	9551921.767	574661.882	18.539	Powerpost
P 11	9551893.309	574612.433	19.174	Powerpost
P 12	9551844.400	574633.800	18.512	Powerpost
P 13	9551841.947	574632.812	18.575	Powerpost
P 14	9551833.117	574654.937	18.172	Powerpost
P 15	9551848.094	574611.331	18.402	Powerpost
P 16	9551807.466	574604.325	18.513	Powerpost
P 17	9551785.016	574614.567	18.594	Powerpost
P 18	9551782.643	574613.702	18.647	Powerpost
P 19	9551771.176	574609.529	18.526	Powerpost
P 20	9551768.705	574608.748	18.521	Powerpost
P 21	9551764.377	574626.082	18.690	Powerpost
P 22	9551730.604	574596.682	19.224	Powerpost
P 23	9551724.249	574594.269	19.312	Powerpost
P 24	9551722.272	574593.769	19.333	Powerpost
P 25	9551712.140	574590.131	19.326	Powerpost
P 26	9551709.632	574589.478	19.357	Powerpost
P 27	9551702.040	574586.840	19.553	Powerpost
P 28	9551699.542	574586.051	19.496	Powerpost
P 29	9551675.926	574578.774	19.742	Powerpost
P 30	9551677.920	574594.511	19.512	Powerpost
P 31	9551672.228	574589.548	19.497	Powerpost
P 32	9551652.967	574571.977	19.785	Powerpost
P 33	9551653.774	574570.013	19.769	Powerpost
P 34	9551644.502	574569.405	19.873	Powerpost
P 35	9551641.973	574568.757	19.822	Powerpost
P 36	9551611.411	574557.566	20.008	Powerpost
P 37	9551624.320	574518.972	19.624	Powerpost
P 38	9551579.086	574547.350	20.132	Powerpost
P 39	9551546.256	574536.502	20.181	Powerpost
P 40	9551543.511	574535.768	20.533	Powerpost
P 41	9551549.002	574561.676	19.749	Powerpost
P 42	9551685.987	574549.729	19.628	Powerpost
P 43	9551686.688	574546.205	19.796	Powerpost
P 44	9551695.288	574526.119	19.639	Powerpost
P 45	9551696.072	574523.738	19.659	Powerpost
P 46	9551696.754	574521.631	19.696	Powerpost
P 47	9551711.703	574479.314	19.109	Powerpost
P 48	9551757.620	574442.637	18.846	Powerpost
P 49	9551752.781	574426.266	19.114	Powerpost

P 50	9551716.044	574425.607	21.655	Powerpost
P 51	9551768.330	574405.645	18.833	Powerpost
P 52	9551769.621	574403.445	18.769	Powerpost
P 53	9551787.497	574416.461	18.494	Powerpost
P 54	9551665.681	574604.114	19.048	Powerpost
P 55	9551645.368	574632.083	18.830	Powerpost
P 56	9551631.411	574651.026	18.753	Powerpost
P 57	9551618.013	574669.459	18.691	Powerpost
P 58	9551601.920	574692.675	18.632	Powerpost
P 59	9551593.086	574705.967	18.642	Powerpost

Street Lights

SL1	9551796.049	574637.826	18.353	Street Light
SL 3	9551701.808	574539.663	19.257	Street Light
SL 4	9551711.379	574512.999	19.141	Street Light
SL 5	9551722.813	574485.401	18.946	Street Light
SL 6	9551746.433	574458.437	18.908	Street Light
SL 7	9551759.739	574437.187	18.909	Street Light
SL 8	9551777.491	574416.383	18.568	Street Light

Building LV Connections

BLD LV	9551939.058	574623.585	18.638	BLD LV
BLD LV	9551923.445	574635.346	18.119	BLD LV
BLD LV	9551901.192	574648.658	18.261	BLD LV
BLD LV	9551740.286	574587.141	18.777	BLD LV
BLD LV	9551747.482	574587.586	19.062	BLD LV
BLD LV	9551649.695	574557.683	19.469	BLD LV
BLD LV	9551609.456	574568.976	19.849	BLD LV
BLD LV	9551602.758	574542.534	19.925	BLD LV
BLD LV	9551602.887	574542.056	20.030	BLD LV
BLD LV	9551538.418	574548.353	20.002	BLD LV
BLD LV	9551545.195	574524.063	19.913	BLD LV
BLD LV	9551553.725	574527.154	19.922	BLD LV
BLD LV	9551567.417	574531.075	19.946	BLD LV
BLD LV	9551707.037	574524.968	19.148	BLD LV
BLD LV	9551684.029	574522.003	19.421	BLD LV
BLD LV	9551687.463	574512.158	19.352	BLD LV
BLD LV	9551687.747	574506.931	19.464	BLD LV
BLD LV	9551700.947	574477.806	19.161	BLD LV
BLD LV	9551708.655	574465.604	19.125	BLD LV
BLD LV	9551746.966	574414.340	18.552	BLD LV
BLD LV	9551716.053	574425.589	21.653	BLD LV

CCTV

CCTV1	9551695.660	574583.921	19.456	CCTV
CCTV2	9551659.891	574574.221	19.786	CCTV
CCTV3	9551621.988	574559.392	20.333	CCTV

Internet Posts

IP1	9551986.150	574563.653	17.453	Internet Post
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IP2	9551964.626	574571.813	18.612	Internet Post
IP3	9551840.838	574631.950	18.469	Internet Post
IP4	9551833.659	574618.082	18.313	Internet Post
IP5	9551728.544	574457.056	19.200	Internet Post

Traffic Signs

TS1	9551935.517	574604.829	18.754	Traffic Signs
TS 4	9551889.556	574639.566	18.386	Traffic Signs
TS 5	9551891.266	574649.985	18.334	Traffic Signs
TS 6	9551798.850	574616.575	18.367	Traffic Signs
TS 7	9551801.002	574633.531	18.420	Traffic Signs
TS 8	9551800.233	574632.185	18.394	Traffic Signs
TS 9	9551771.453	574623.156	18.490	Traffic Signs
TS10	9551731.756	574598.113	19.148	Traffic Signs
TS11	9551726.722	574583.663	18.903	Traffic Signs
TS12	9551725.012	574610.048	19.076	Traffic Signs
TS13	9551723.455	574609.804	19.006	Traffic Signs
TS14	9551682.106	574592.454	19.414	Traffic Signs
TS15	9551645.755	574566.870	19.758	Traffic Signs
TS16	9551645.488	574567.296	19.738	Traffic Signs
TS 17	9551536.391	574545.067	20.196	Traffic Signs
TS 18	9551536.948	574548.677	20.150	Traffic Signs
TS 19	9551697.965	574518.680	19.708	Traffic Signs
TS 20	9551684.363	574523.226	19.722	Traffic Signs
TS 21	9551681.104	574532.923	19.693	Traffic Signs
TS 22	9551690.254	574535.118	20.094	Traffic Signs
TS 23	9551702.303	574476.648	19.116	Traffic Signs
TS 24	9551751.182	574447.308	18.784	Traffic Signs
TS 25	9551778.225	574415.045	18.597	Traffic Signs

Billboards

BB 1	9551802.676	574608.058	18.349	Billboard
BB 2	9551695.205	574584.564	19.430	Billboard
BB 3	9551680.896	574592.189	19.319	Billboard
BB 5	9551660.414	574572.353	19.787	Billboard
BB 9	9551686.492	574516.657	19.427	Billboard

Sewer Manholes

SMH46	9551770.850	574599.911	18.448	Sewer Manhole
SMH46	9551770.913	574599.851	18.442	Sewer Manhole
SMH46	9551770.675	574599.474	18.427	Sewer Manhole
SMH46	9551770.532	574599.378	18.430	Sewer Manhole
SMH46	9551770.297	574599.805	18.435	Sewer Manhole
SMH46	9551770.387	574599.897	18.434	Sewer Manhole
SMH46 1.56	9551770.579	574599.720	18.437	Sewer Manhole
SMH47 1.64M	9551775.524	574584.551	18.527	Sewer Manhole
SMH47	9551775.315	574584.878	18.511	Sewer Manhole
SMH47	9551775.411	574584.926	18.540	Sewer Manhole
SMH47	9551775.274	574584.381	18.553	Sewer Manhole
SMH47	9551775.357	574584.209	18.526	Sewer Manhole

SMH47	9551775.921	574584.467	18.513	Sewer Manhole
SMH47	9551775.869	574584.561	18.472	Sewer Manhole
SMH48	9551741.626	574587.485	18.752	Sewer Manhole
SMH48	9551741.437	574587.124	18.735	Sewer Manhole
SMH48	9551742.009	574587.222	18.784	Sewer Manhole
SMH48 0.74M	9551741.703	574587.235	18.760	Sewer Manhole
SMH49 0.78M FR	9551723.377	574581.824	18.924	Sewer Manhole
SMH49	9551723.691	574581.607	18.952	Sewer Manhole
SMH49	9551723.139	574581.461	18.925	Sewer Manhole
SMH49 C	9551723.416	574581.537	18.965	Sewer Manhole
LOCATION OF LIN	9551722.981	574583.623	18.934	Sewer Manhole
SMH50	9551810.932	574613.017	18.202	Sewer Manhole
SMH50	9551810.958	574612.923	18.196	Sewer Manhole
SMH50	9551810.967	574612.465	18.191	Sewer Manhole
SMH50	9551810.880	574612.387	18.169	Sewer Manhole
SMH50	9551810.450	574612.690	18.203	Sewer Manhole
SMH50	9551810.448	574612.772	18.213	Sewer Manhole
SMH50 1.64M	9551810.757	574612.670	18.204	Sewer Manhole
SMH51	9551822.018	574582.930	18.372	Sewer Manhole
SMH51	9551820.888	574582.600	18.388	Sewer Manhole
SMH51	9551821.246	574581.416	18.386	Sewer Manhole
SMH51	9551822.410	574581.773	18.323	Sewer Manhole
SMH 59	9551759.088	574403.063	18.439	Sewer Manhole
SMH 59	9551758.523	574403.881	18.452	Sewer Manhole
SMH 59	9551759.227	574404.367	18.489	Sewer Manhole
SMH 59	9551759.839	574403.606	18.483	Sewer Manhole
SMH 59 1.37M	9551759.171	574403.850	18.329	Sewer Manhole
SMH 60	9551759.088	574403.063	18.439	Sewer Manhole
SMH 60	9551758.523	574403.881	18.452	Sewer Manhole
SMH 60	9551759.227	574404.367	18.489	Sewer Manhole
SMH 60	9551759.839	574403.606	18.483	Sewer Manhole
SMH 60	9551753.497	574399.597	18.911	Sewer Manhole
SMH 61	9551738.296	574429.514	18.604	Sewer Manhole
SMH 61	9551739.006	574429.876	18.599	Sewer Manhole
SMH 61	9551739.582	574429.042	18.587	Sewer Manhole
SMH 61	9551738.815	574428.637	18.604	Sewer Manhole
SMH 61 C	9551738.940	574429.242	18.621	Sewer Manhole
SMH 62 2.18M	9551704.061	574414.521	18.639	Sewer Manhole
SMH 62	9551703.718	574414.497	18.630	Sewer Manhole
SMH 62	9551703.696	574414.634	18.642	Sewer Manhole
SMH 62	9551704.249	574414.828	18.603	Sewer Manhole
SMH 62	9551704.299	574414.662	18.605	Sewer Manhole
SMH 62	9551704.198	574414.212	18.624	Sewer Manhole
SMH 62	9551704.136	574414.217	18.651	Sewer Manhole
SMH 63	9551712.951	574463.304	18.745	Sewer Manhole
SMH 63	9551713.336	574463.544	18.737	Sewer Manhole
SMH 63	9551713.637	574463.072	18.752	Sewer Manhole
SMH 63	9551713.219	574462.837	18.719	Sewer Manhole
SMH 63 1.6M	9551713.271	574463.188	18.751	Sewer Manhole
SMH 64	9551710.973	574466.914	18.701	Sewer Manhole

SMH 64	9551711.093	574466.814	18.688	Sewer Manhole
SMH 64	9551711.234	574466.374	18.689	Sewer Manhole
SMH 64	9551711.198	574466.221	18.685	Sewer Manhole
SMH 64	9551710.680	574466.566	18.680	Sewer Manhole
SMH 64	9551710.714	574466.457	18.676	Sewer Manhole
SMH 64 1.51M	9551710.903	574466.570	18.691	Sewer Manhole
SMH 65	9551685.285	574523.933	19.229	Sewer Manhole
SMH 65	9551685.003	574524.844	19.235	Sewer Manhole
SMH 65	9551685.660	574524.969	19.248	Sewer Manhole
SMH 65 C	9551685.389	574524.474	19.278	Sewer Manhole
SMH 65 1.67M FR	9551685.891	574524.064	19.233	Sewer Manhole

Storm Water Manholes

MH5-BLOCKED	9551713.833	574604.517	18.861	Storm Water Manhole
MH5-BLOCKED	9551713.989	574605.110	18.891	Storm Water Manhole
MH5-BLOCKED	9551713.082	574605.306	18.854	Storm Water Manhole
MH5-BLOCKED	9551712.943	574604.719	18.866	Storm Water Manhole
MH6-SEALED	9551724.879	574610.054	19.037	Storm Water Manhole
MH6-SEALED	9551724.090	574609.877	19.016	Storm Water Manhole
MH6-SEALED	9551723.686	574611.505	19.017	Storm Water Manhole
MH6-SEALED	9551724.427	574611.689	19.031	Storm Water Manhole
MH7-SEALED	9551762.537	574620.923	18.633	Storm Water Manhole
MH7-SEALED	9551762.144	574621.358	18.639	Storm Water Manhole
MH7-SEALED	9551762.609	574621.813	18.638	Storm Water Manhole
MH7-SEALED	9551763.006	574621.358	18.626	Storm Water Manhole
MH8-BLOCKED	9551763.388	574624.117	18.640	Storm Water Manhole
MH8-BLOCKED	9551763.149	574624.747	18.639	Storm Water Manhole
MH8-BLOCKED	9551763.751	574624.977	18.621	Storm Water Manhole
MH8-BLOCKED	9551764.023	574624.373	18.626	Storm Water Manhole
MH9-BLOCKED	9551763.762	574627.655	18.271	Storm Water Manhole
MH9-BLOCKED	9551763.586	574628.095	18.346	Storm Water Manhole
MH9-BLOCKED	9551763.450	574627.753	18.273	Storm Water Manhole
MH10-BLOCKED	9551796.949	574629.704	18.273	Storm Water Manhole
MH10-BLOCKED	9551796.571	574630.789	18.372	Storm Water Manhole
MH10-BLOCKED	9551798.031	574630.213	18.216	Storm Water Manhole
MH10-BLOCKED	9551797.814	574631.147	18.379	Storm Water Manhole
MH10-1M	9551797.821	574630.621	18.237	Storm Water Manhole
MH11-SEALED	9551816.907	574636.573	18.297	Storm Water Manhole
MH11-SEALED	9551815.974	574636.315	18.315	Storm Water Manhole
MH11-SEALED	9551815.713	574637.246	18.336	Storm Water Manhole
MH11-SEALED	9551816.608	574637.532	18.353	Storm Water Manhole
MH12-SEALED	9551832.711	574641.425	18.251	Storm Water Manhole
MH12-SEALED	9551831.764	574641.060	18.262	Storm Water Manhole
MH12-SEALED	9551831.389	574641.972	18.264	Storm Water Manhole
MH12-SEALED	9551832.400	574642.140	18.273	Storm Water Manhole
MH13-SEALED	9551862.152	574651.633	18.397	Storm Water Manhole
MH13-SEALED	9551862.368	574650.735	18.383	Storm Water Manhole
MH13-SEALED	9551861.436	574650.494	18.373	Storm Water Manhole
MH13-SEALED	9551861.196	574651.467	18.401	Storm Water Manhole
MH14-SEALED	9551921.141	574665.824	17.538	Storm Water Manhole

MH14-SEALED	9551920.904	574665.313	17.519	Storm Water Manhole
MH14-SEALED	9551920.497	574665.722	17.481	Storm Water Manhole
MH18-SEALED	9551799.059	574621.226	18.420	Storm Water Manhole
MH18-SEALED	9551798.820	574622.141	18.334	Storm Water Manhole
MH18-SEALED	9551799.347	574622.406	18.411	Storm Water Manhole
MH18-SEALED	9551799.636	574621.364	18.423	Storm Water Manhole
MH19-BLOCKED	9551566.154	574541.201	20.077	Storm Water Manhole
MH19-BLOCKED	9551566.256	574542.003	20.076	Storm Water Manhole
MH19-BLOCKED	9551567.095	574541.947	20.115	Storm Water Manhole
MH19-BLOCKED	9551566.996	574541.057	20.041	Storm Water Manhole

JTL Manholes

JTL MH 4	9551701.024	574547.008	19.553	JTL Manhole
JTL MH 4	9551702.306	574547.466	19.543	JTL Manhole
JTL MH 4	9551700.676	574548.281	19.574	JTL Manhole
JTL MH 4	9551701.851	574548.704	19.563	JTL Manhole
JTL MH 4 INVT	9551701.445	574547.693	19.310	JTL Manhole
JTL MH 5	9551762.008	574622.661	19.011	JTL Manhole
JTL MH 5	9551762.947	574622.983	18.967	JTL Manhole
JTL MH 5	9551762.671	574623.939	19.005	JTL Manhole
JTL MH 5	9551761.740	574623.655	19.020	JTL Manhole
JTL MH 5 INVT	9551762.234	574623.375	18.542	JTL Manhole
JTL MH 6	9551818.830	574612.421	18.899	JTL Manhole
JTL MH 6	9551819.514	574612.649	18.887	JTL Manhole
JTL MH 6	9551819.734	574612.034	18.900	JTL Manhole
JTL MH 6	9551818.947	574611.730	18.969	JTL Manhole
JTL MH 7	9551898.067	574622.954	18.649	JTL Manhole
JTL MH 7	9551897.806	574622.301	18.719	JTL Manhole
JTL MH 7	9551897.427	574623.164	18.669	JTL Manhole
JTL MH 7 INVT	9551897.683	574622.823	18.361	JTL Manhole

LIQUID Manholes

MH32L	9551697.237	574567.735	19.208	LIQUID MH32
	9551697.930	574568.602	19.186	LIQUID MH32
	9551698.672	574568.164	19.207	LIQUID MH32
	9551698.170	574567.254	19.210	LIQUID MH32
MH33L	9551773.863	574598.469	18.524	LIQUID MH33
	9551775.043	574598.879	18.518	LIQUID MH33
	9551775.458	574597.802	18.550	LIQUID MH33
	9551774.370	574597.437	18.551	LIQUID MH33
MH34L	9551673.040	574549.412	19.336	LIQUID MH34
	9551672.068	574552.211	19.333	LIQUID MH34
	9551670.851	574551.764	19.362	LIQUID MH34
	9551671.771	574548.939	19.322	LIQUID MH34
MH35L	9551720.656	574448.924	18.883	LIQUID MH35
	9551721.108	574448.362	18.849	LIQUID MH35
	9551720.614	574448.056	18.869	LIQUID MH35

	9551720.227	574448.499	18.871	LIQUID MH35
	9551697.977	574567.375	18.307	INV
MH36L	9551570.725	574557.171	19.967	MH36LIQUID
	9551569.101	574556.581	19.975	MH36 LIQUID
	9551568.563	574557.992	20.004	MH36 LIQUID
	9551570.266	574558.591	20.017	MH36 LIQUID

MH109L	9551688.203	574597.838	19.227	LIQUID MH109
	9551688.936	574597.280	19.154	LIQUID MH110
	9551688.262	574596.792	19.199	LIQUID MH111

Safaricom Manholes

MHSF1	9551680.918	574532.157	19.362	Safaricom Manhole
MHSF1	9551680.598	574532.705	19.343	Safaricom Manhole
MHSF1	9551680.010	574532.447	19.346	Safaricom Manhole
MHSF1	9551680.321	574532.212	19.341	Safaricom Manhole
MHSF2	9551701.469	574540.480	19.210	Safaricom Manhole
MHSF2	9551702.613	574540.737	19.162	Safaricom Manhole
MHSF2	9551702.204	574539.977	19.210	Safaricom Manhole
MHSF2	9551702.319	574540.132	19.308	Safaricom Manhole
MHSF3	9551714.852	574577.864	19.066	Safaricom Manhole
MHSF3	9551714.120	574577.668	19.052	Safaricom Manhole
MHSF3	9551715.030	574577.506	19.066	Safaricom Manhole
MHSF3	9551714.285	574577.178	19.065	Safaricom Manhole
MHSF3	9551714.563	574577.530	19.086	Safaricom Manhole
MHSF4	9551839.591	574618.547	18.292	Safaricom Manhole
MHSF4	9551839.027	574618.450	18.254	Safaricom Manhole
MHSF4	9551838.261	574618.212	18.323	Safaricom Manhole
MHSF4	9551838.824	574619.055	18.331	Safaricom Manhole
MHSF4	9551839.049	574617.773	18.395	Safaricom Manhole
MHSF5	9551907.078	574646.505	18.145	Safaricom Manhole
MHSF5	9551907.811	574646.951	18.162	Safaricom Manhole
MHSF5	9551907.572	574647.469	18.171	Safaricom Manhole
MHSF5	9551907.058	574647.371	18.152	Safaricom Manhole
MHSF5	9551906.832	574647.091	18.152	Safaricom Manhole
MHSF6	9551979.097	574578.677	17.564	Safaricom Manhole
MHSF6	9551979.416	574577.858	17.470	Safaricom Manhole
MHSF6	9551980.352	574577.922	17.441	Safaricom Manhole
MHSF6	9551980.240	574578.929	17.533	Safaricom Manhole
MHSF6	9551980.058	574578.413	17.446	Safaricom Manhole
MHSF6	9551979.097	574578.677	17.564	Safaricom Manhole
MHSF6	9551979.260	574577.783	17.470	Safaricom Manhole
MHSF6	9551980.352	574577.922	17.441	Safaricom Manhole
MHSF6	9551980.240	574578.929	17.533	Safaricom Manhole
MHSF6	9551980.058	574578.413	17.446	Safaricom Manhole
MHSF7	9551535.081	574544.827	20.141	Safaricom Manhole
MHSF7	9551707.511	574603.722	19.026	Safaricom Manhole
MHSF7	9551708.266	574604.077	19.021	Safaricom Manhole
MHSF7	9551708.090	574604.664	18.980	Safaricom Manhole

MHSF7	9551707.270	574604.332	18.991	Safaricom Manhole
MHSF7	9551707.637	574604.207	19.038	Safaricom Manhole
MHSF8	9551681.949	574595.884	19.235	Safaricom Manhole
MHSF8	9551682.278	574594.697	19.228	Safaricom Manhole
MHSF8	9551681.044	574594.277	19.243	Safaricom Manhole
MHSF8	9551680.647	574595.456	19.241	Safaricom Manhole
MHSF9	9551535.222	574544.012	20.098	Safaricom Manhole
MHSF9	9551534.444	574544.220	20.102	Safaricom Manhole
MHSF9	9551534.716	574545.220	20.209	Safaricom Manhole
MHSF9	9551535.669	574545.048	20.186	Safaricom Manhole

TELKOM Manholes

MH1T	9551834.309	574618.838	18.313	
	9551834.670	574618.525	18.303	
	9551834.968	574617.586	18.350	
	9551837.478	574618.161	18.326	
	9551837.197	574619.124	18.358	
MH2T	9551855.390	574623.377	18.289	
	9551855.483	574622.645	18.375	
	9551857.699	574624.017	18.388	
	9551857.966	574623.419	18.387	
MH3T	9551872.001	574628.695	18.268	
	9551873.132	574629.676	18.267	
	9551872.273	574629.606	18.249	
	9551873.148	574628.615	18.263	
MH4T	9551904.343	574621.463	18.292	
	9551903.981	574620.511	18.272	
	9551902.035	574622.298	18.251	
	9551901.541	574621.476	18.236	
MH5T	9551911.780	574615.594	18.272	
	9551912.392	574615.184	18.217	
	9551911.579	574614.953	18.230	
	9551912.006	574614.421	18.217	
MH6T	9551921.192	574603.197	18.243	
	9551920.513	574602.711	18.212	
	9551922.528	574601.109	18.236	
	9551921.774	574600.576	18.238	
	9551921.828	574600.981	17.204	
MH7T	9551937.482	574578.313	18.095	
	9551937.028	574578.836	18.110	
	9551936.971	574577.774	18.150	
MH8T	9551966.789	574554.769	17.577	
	9551966.501	574554.042	17.629	

	9551964.253	574554.962	17.670	
	9551964.652	574555.622	17.711	
MH9T	9552004.546	574549.887	16.482	
	9552005.582	574549.752	16.467	
	9552005.504	574549.263	16.478	
	9552004.568	574549.273	16.507	
MH11T	9551777.860	574598.770	18.510	
	9551777.150	574598.620	18.520	
	9551776.910	574599.310	18.480	
	9551777.620	574599.490	18.490	
MH12T	9551775.070	574598.660	18.510	
	9551775.360	574597.880	18.510	
	9551774.480	574597.420	18.520	
	9551774.110	574598.300	18.510	
MH14T	9551756.633	574592.115	18.699	
	9551757.063	574590.957	18.674	
	9551755.835	574590.589	18.795	
	9551755.414	574591.629	18.717	
MH13T	9551756.630	574592.120	18.700	
	9551757.060	574590.960	18.670	
	9551755.840	574590.590	18.800	
	9551755.410	574591.630	18.720	
MH15T	9551672.190	574552.190	19.350	
	9551673.060	574549.380	19.340	
	9551671.850	574548.870	19.380	
	9551670.800	574551.660	19.390	
MH16T	9551662.400	574560.790	19.410	
	9551661.710	574560.650	19.440	
	9551661.870	574559.970	19.420	
	9551609.670	574543.490	19.920	
MH17T	9551607.860	574543.090	19.870	
	9551608.190	574541.930	19.820	
	9551610.130	574542.400	20.100	
MH18T	9551605.820	574542.920	19.870	
	9551604.430	574542.440	19.930	
	9551604.630	574541.560	20.000	
	9551606.180	574541.880	19.980	
MH19T	9551574.070	574532.610	14.510	
	9551574.250	574531.860	14.400	
	9551572.780	574531.630	14.460	

	9551572.080	574531.880	19.970	
MH20T	9551533.100	574519.140	20.080	
	9551531.720	574518.670	20.100	
	9551532.110	574517.460	19.830	
	9551533.390	574517.980	20.000	
MH45T	9551720.764	574448.924	18.866	
	9551721.239	574448.622	18.880	
	9551720.643	574448.110	18.868	
	9551720.250	574448.467	18.890	
MH44T	9551666.046	574557.629	19.456	
	9551665.010	574558.028	19.515	
	9551665.711	574556.663	19.443	
	9551664.796	574557.357	19.482	

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Code	Northings (m)	Eastings(m)	Elevation (m)	Description
Powerposts				
P 26	9552600.935	574553.897	15.021	Powerpost
P 27	9552599.202	574555.878	15.010	Powerpost
P 28	9552556.636	574581.826	16.254	Powerpost
P 29	9552528.349	574625.376	17.466	Powerpost
P 30	9552483.313	574655.592	19.120	Powerpost
P 31	9552276.707	574662.654	19.132	Powerpost
P 32	9552363.301	574695.444	20.109	Powerpost
P 33	9552365.254	574696.239	20.065	Powerpost
P 34	9552380.738	574701.895	20.147	Powerpost
P 35	9552415.380	574715.218	20.444	Powerpost
P 36	9552449.863	574728.191	20.715	Powerpost
P 37	9552470.390	574736.292	20.437	Powerpost
P 38	9552472.515	574737.365	20.533	Powerpost
P 39	9552492.677	574745.466	20.538	Powerpost
P 40	9552506.729	574766.176	20.430	Powerpost
P 41	9552543.100	574790.991	20.299	Powerpost
P 42	9552620.744	574843.523	20.293	Powerpost
Internet Posts				
IP1	9552437.023	574699.015	20.108	Internet Post
IP2	9552456.935	574669.641	19.744	Internet Post
Street Lights				
SL 1	9552457.204	574668.958	19.796	Street Light
SL 2	9552458.441	574655.199	19.296	Street Light
SL 3	9552467.026	574731.543	20.247	Street Light
SL 4	9552489.280	574731.294	20.640	Street Light
Traffic Signs				
TS 1	9552408.098	574700.675	19.629	Traffic Sign

TS 2	9552504.727	574739.447	19.827	Traffic Sign
TS 3	9552352.591	574691.456	19.690	Traffic Sign
TS 4	9552482.909	574737.228	20.265	Traffic Sign
TS 5	9552458.440	574709.839	20.431	Traffic Sign
Billboards				
BB 1	9552455.054	574720.791	20.298	Billboard
BB 2	9552442.834	574710.126	19.921	Billboard
BB 3	9552384.274	574715.854	19.586	Billboard
BB 4	9552356.757	574705.199	19.406	Billboard
BB 5	9552324.217	574692.874	19.119	Billboard
BB 6	9552405.543	574699.598	19.480	Billboard
BB 7	9552379.503	574689.657	19.489	Billboard
BB 8	9552292.583	574656.642	18.673	Billboard
BB 9	9552435.104	574731.544	20.154	Billboard
Sewer Manholes				
MH54	9552223.487	574627.941	17.100	Sewer Manhole
MH54	9552222.834	574627.667	17.107	Sewer Manhole
MH54	9552223.289	574628.605	17.088	Sewer Manhole
MH54	9552222.765	574628.386	17.054	Sewer Manhole
MH54 1.66	9552223.098	574628.128	17.177	Sewer Manhole
MH55	9552242.617	574637.808	17.469	Sewer Manhole
MH55	9552241.874	574637.603	17.463	Sewer Manhole
MH55	9552242.238	574636.795	17.470	Sewer Manhole
MH55	9552242.861	574636.994	17.459	Sewer Manhole
MH55 0.8M	9552242.455	574637.228	17.546	Sewer Manhole
MH56	9552329.645	574670.189	19.012	Sewer Manhole
MH56	9552330.223	574670.388	19.031	Sewer Manhole
MH56	9552330.475	574669.805	19.025	Sewer Manhole
MH56	9552329.874	574669.561	19.044	Sewer Manhole
MH56 C	9552330.078	574669.964	19.054	Sewer Manhole
MH57	9552337.755	574673.449	19.049	Sewer Manhole
MH57 0.44M FRM	9552338.449	574673.714	19.028	Sewer Manhole
MH57	9552338.631	574673.029	19.018	Sewer Manhole
MH57	9552337.897	574673.002	19.066	Sewer Manhole
MH57C	9552338.206	574673.281	19.142	Sewer Manhole
MH58	9552273.452	574649.188	18.441	Sewer Manhole
MH58	9552273.696	574648.641	18.416	Sewer Manhole
MH58	9552273.321	574648.433	18.451	Sewer Manhole
MH58	9552273.050	574648.960	18.427	Sewer Manhole
MH58C	9552273.343	574648.834	18.457	Sewer Manhole

JTL Manhole

JTL MH 8	9552408.566	574725.208	20.116	JTL Manhole
JTL MH 8	9552408.333	574726.034	20.089	JTL Manhole
JTL MH 8	9552408.952	574726.392	20.151	JTL Manhole
JTL MH 8	9552409.261	574725.769	20.118	JTL Manhole
JTL MH 8 INVT	9552408.758	574725.994	19.605	JTL Manhole

IS Manholes

IS MH 4	9552475.891	574680.708	19.074	IS Manhole
IS MH 4	9552476.241	574680.109	19.077	IS Manhole
IS MH 4	9552476.793	574680.494	19.114	IS Manhole
IS MH 5	9552417.938	574729.353	20.052	IS Manhole
IS MH 5	9552417.879	574728.712	19.997	IS Manhole
IS MH 5	9552417.220	574728.723	20.031	IS Manhole
IS MH 5	9552417.290	574729.386	20.104	IS Manhole
IS MH 6	9552183.330	574641.239	16.512	IS Manhole
IS MH 6	9552183.514	574640.582	16.510	IS Manhole
IS MH 6	9552182.889	574640.359	16.512	IS Manhole
IS MH 6	9552182.680	574641.019	16.520	IS Manhole

Telkom Manholes

MH1T	9552437.329	574696.054	19.562	Telkom Manhole
	9552437.175	574696.038	19.574	Telkom Manhole
	9552438.084	574694.928	19.642	Telkom Manhole
	9552429.088	574704.220	19.767	Telkom Manhole
MH2T	9552428.873	574704.331	19.737	Telkom Manhole
	9552428.864	574703.762	19.844	Telkom Manhole
	9552427.719	574703.695	19.852	Telkom Manhole
	9552427.657	574704.216	19.822	Telkom Manhole
MH3T	9552471.189	574691.850	19.665	Telkom Manhole
	9552471.899	574690.574	19.548	Telkom Manhole
	9552472.481	574690.864	19.576	Telkom Manhole
	9552471.881	574692.276	19.724	Telkom Manhole
MH4T	9552537.219	574759.013	19.909	Telkom Manhole
	9552537.529	574757.970	19.992	Telkom Manhole
	9552540.102	574759.020	19.944	Telkom Manhole
	9552539.552	574759.903	19.928	Telkom Manhole

MH1T	9551834.309	574618.838	18.313	Telkom Manhole
	9551834.670	574618.525	18.303	Telkom Manhole
	9551834.968	574617.586	18.350	Telkom Manhole
	9551837.478	574618.161	18.326	Telkom Manhole
	9551837.197	574619.124	18.358	Telkom Manhole
MH2T	9551855.390	574623.377	18.289	Telkom Manhole
	9551855.483	574622.645	18.375	Telkom Manhole
	9551857.699	574624.017	18.388	Telkom Manhole
	9551857.966	574623.419	18.387	Telkom Manhole

Safaricom Manholes

MHSF1	9552449.045	574740.226	19.774	Safaricom Manhole
MHSF1	9552449.715	574740.490	19.788	Safaricom Manhole
MHSF1	9552449.637	574741.273	19.849	Safaricom Manhole
MHSF1	9552448.867	574741.055	19.962	Safaricom Manhole

MHSF1	9552449.306	574740.787	19.894	Safaricom Manhole
MHSF2	9552183.035	574639.708	16.375	Safaricom Manhole
MHSF2	9552182.313	574639.278	16.363	Safaricom Manhole
MHSF2	9552181.979	574640.004	16.440	Safaricom Manhole
MHSF2	9552182.524	574640.375	16.534	Safaricom Manhole
MHSF2	9552182.391	574639.962	16.469	Safaricom Manhole

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Powerposts

16	9552844.244	574358.259	17.096	P 16
17	9552842.211	574360.164	17.060	P 17
18	9552818.693	574378.424	16.757	P 18
19	9552781.312	574411.933	16.128	P 19
20	9552747.321	574437.924	15.770	P 20
21	9552745.546	574439.193	15.831	P 21
22	9552712.332	574467.061	15.529	P 22
23	9552689.548	574485.757	15.277	P 23
24	9552656.753	574510.800	15.158	P 24
25	9552628.737	574532.308	14.777	P 25
26	9552600.935	574553.897	15.021	P 26
27	9552599.202	574555.878	15.010	P 27
28	9552556.636	574581.826	16.254	P 28
43	9552683.481	574543.565	16.438	P 43
44	9552683.829	574546.122	16.417	P 44
45	9552688.589	574588.606	17.334	P 45
46	9552694.211	574631.564	17.725	P 46
47	9552694.802	574634.002	17.738	P 47
48	9552695.267	574638.906	17.837	P 48
49	9552700.800	574682.304	18.377	P 49
50	9552639.048	574452.914	14.964	P 50
51	9552604.170	574426.432	14.447	P 51
52	9552605.217	574424.793	14.637	P 52
53	9552602.637	574423.641	14.479	P 53
54	9552588.462	574412.538	14.424	P 54
55	9552558.770	574354.988	14.854	P 55

Storm Water Manholes

164	574618.7880m	9552549.1000	17.091m	MH1B-SEALED
165	574619.6320m	9552548.6200	17.167m	MH1B-SEALED
166	574619.1560m	9552547.9130	17.085m	MH1B-SEALED
167	574618.3530m	9552548.4210	17.023m	MH1B-SEALED
91	574591.8850m	9552562.7950	16.099m	MH76SEALED
92	574592.0070m	9552563.2880	16.132m	MH76SEALED
93	574592.5450m	9552563.1050	16.173m	MH76SEALED
94	574592.4570m	9552562.4750	15.971m	MH76SEALED
87	574580.4420m	9552568.8210	15.761m	MH75SEALED
88	574580.9110m	9552568.4250	15.752m	MH75SEALED
89	574581.3440m	9552569.0160	15.792m	MH75SEALED
90	574580.9000m	9552569.3280	15.771m	MH75SEALED
345	574566.2960m	9552583.3280	15.214m	MH74

344	574566.6230m	9552582.9990	15.234m	MH74
343	574566.9950m	9552583.3760	15.250m	MH74
342	574566.7740m	9552583.7680	15.243m	MH74
83	574552.3400m	9552602.1200	14.883m	MH73SEALED
84	574552.0140m	9552602.6150	14.872m	MH73SEALED
85	574551.0640m	9552602.0220	14.854m	MH73SEALED
86	574551.4590m	9552601.4990	14.865m	MH73SEALED
341	574543.5860m	9552613.7640	14.728m	MH72
340	574543.2750m	9552613.9760	14.738m	MH72
339	574543.4740m	9552614.3680	14.732m	MH72
338	574543.8480m	9552614.2180	14.732m	MH72
337	574543.8060m	9552613.8850	14.748m	MH72
79	574536.5550m	9552622.0790	14.666m	MH71SEALED
80	574536.2010m	9552622.6190	14.647m	MH71SEALED
81	574536.0560m	9552621.7480	14.542m	MH71SEALED
82	574535.7060m	9552622.2460	14.515m	MH71SEALED
75	574529.6250m	9552629.6290	14.602m	MH70SEALED
76	574529.9810m	9552629.1090	14.620m	MH70SEALED
77	574530.6080m	9552629.6090	14.608m	MH70SEALED
78	574530.2650m	9552630.1250	14.607m	MH70SEALED
71	574523.7090m	9552638.0290	14.603m	MH69SILTED
72	574523.3110m	9552638.4750	14.590m	MH69SILTED
73	574522.8290m	9552638.1110	14.453m	MH69SILTED
74	574523.1250m	9552637.6850	14.464m	MH69SILTED
334	574509.7230m	9552654.2520	14.685m	MH68
333	574510.1060m	9552653.7080	14.685m	MH68
332	574510.6460m	9552654.1320	14.791m	MH68
331	574510.2170m	9552654.7400	14.796m	MH68
326	574505.4190m	9552661.2860	14.871m	MH67
325	574505.7270m	9552661.4550	14.869m	MH67
324	574505.9300m	9552661.4820	14.862m	MH67
67	574503.9630m	9552662.4980	14.790m	MH66SEALED
68	574504.2320m	9552661.9960	14.795m	MH66SEALED
69	574503.7170m	9552661.6950	14.781m	MH66SEALED
70	574503.4440m	9552662.2530	14.781m	MH66SEALED
63	574503.6910m	9552672.9470	14.965m	MH65SILTED
64	574503.9290m	9552673.4430	14.990m	MH65SILTED
65	574503.5280m	9552673.6840	15.011m	MH65SILTED
66	574503.2780m	9552673.2130	14.975m	MH65SILTED
59	574493.4840m	9552673.2660	14.800m	MH64SILTED
60	574493.2670m	9552673.6760	14.809m	MH64SILTED
61	574493.5710m	9552673.9590	14.843m	MH64SILTED
62	574493.8510m	9552673.5610	14.850m	MH64SILTED
27	574484.9150m	9552685.2040	14.817m	MH28SILTED
28	574484.6070m	9552685.4660	14.834m	MH28SILTED
29	574484.8360m	9552685.8770	15.018m	MH28SILTED
30	574485.1890m	9552685.6390	15.021m	MH28SILTED
322	574478.4840m	9552691.9690	15.157m	MH29
321	574478.9080m	9552691.3620	15.156m	MH29
320	574479.4310m	9552691.8890	15.160m	MH29

319	574479.0130m	9552692.4190	15.175m	MH29
318	574466.3560m	9552706.5260	15.316m	MH30 SILTED
317	574466.9290m	9552706.9530	15.322m	MH30 SILTED
316	574467.3700m	9552706.5090	15.324m	MH30 SILTED
315	574466.9790m	9552706.0130	15.305m	MH30 SILTED
314	574460.7690m	9552714.7690	15.446m	MH 31
313	574460.3330m	9552714.7220	15.454m	MH 31
312	574460.2920m	9552715.2000	15.454m	MH 31
311	574460.8440m	9552715.1670	15.447m	MH 31
265	574613.5990m	9552175.0030	15.947m	MH34SEALED
266	574613.0920m	9552175.1810	15.932m	MH34SEALED
267	574613.2890m	9552175.8010	15.934m	MH34SEALED
268	574613.7060m	9552175.6370	16.007m	MH34SEALED
259	574615.7300m	9552190.7650	16.231m	MH33B-SEALED
260	574615.5490m	9552190.1890	16.246m	MH33B-SEALED
261	574616.1270m	9552190.0200	16.254m	MH33B-SEALED
262	574616.3010m	9552190.5670	16.255m	MH33B-SEALED
31	574453.1090m	9552723.1930	15.500m	MH32SEALED
32	574452.6430m	9552722.8780	15.508m	MH32SEALED
33	574453.0250m	9552722.3620	15.501m	MH32SEALED
34	574453.4580m	9552722.6380	15.504m	MH32SEALED
308	574430.7470m	9552749.9470	15.795m	MH35
307	574430.6650m	9552750.4100	15.806m	MH35
306	574430.9410m	9552750.5650	15.807m	MH35
120	574324.8330m	9552530.1470	16.268m	MH95-SEALED
121	574323.0530m	9552529.1820	16.353m	MH95-SEALED
122	574323.4680m	9552528.4700	16.463m	MH95-SEALED
123	574325.3640m	9552529.2400	16.348m	MH95-SEALED
116	574429.1690m	9552590.1380	14.299m	MH92-0.75M
117	574429.5510m	9552590.6050	14.336m	MH92-0.75M
118	574429.6580m	9552589.8090	14.362m	MH92-0.75M
119	574429.9430m	9552590.2210	14.320m	MH92-0.75M
111	574431.9050m	9552592.4190	14.497m	MH90SEALED
112	574431.6220m	9552592.0930	14.568m	MH90SEALED
113	574431.9910m	9552591.7030	14.604m	MH90SEALED
114	574432.2850m	9552592.0850	14.491m	MH90SEALED
115	574432.2600m	9552592.1290	14.504m	MH90-1.20M
673	574432.0560m	9552594.2690	14.126m	MH91
672	574431.5490m	9552594.4910	14.187m	MH91
671	574430.7860m	9552593.6240	14.188m	MH91
670	574431.2190m	9552593.3230	14.137m	MH91
668	574424.1010m	9552598.7360	14.238m	MH93
667	574423.6680m	9552599.0320	14.217m	MH93
666	574424.3980m	9552599.8210	14.225m	MH93
665	574424.7850m	9552599.4970	14.278m	MH93
680	574447.6700m	9552631.9080	14.816m	MH88
679	574448.6740m	9552633.3480	14.882m	MH88
678	574447.1930m	9552634.2310	14.949m	MH88
677	574446.3530m	9552632.9890	14.818m	MH88
630	574472.5020m	9552648.0190	14.916m	MH87

629	574472.9790m	9552648.3570	14.912m	MH87
628	574473.3840m	9552647.8130	14.890m	MH87
627	574472.8360m	9552647.4280	14.914m	MH87
453	574338.0670m	9552825.6400	16.413m	MH17
452	574338.4010m	9552825.1930	16.419m	MH17
451	574338.0060m	9552824.8940	16.374m	MH17
450	574360.9530m	9552800.5270	16.428m	MH18
449	574360.4850m	9552800.9550	16.424m	MH18
448	574360.0370m	9552800.4840	16.458m	MH18
445	574366.7690m	9552793.2260	16.380m	MH19
444	574366.8190m	9552792.9180	16.382m	MH19
443	574366.6020m	9552792.7480	16.389m	MH19
442	574366.3300m	9552792.8170	16.393m	MH19
438	574386.4760m	9552770.8440	16.169m	MH20 SILTED
437	574386.0340m	9552771.3650	16.151m	MH20 SILTED
436	574385.4920m	9552770.8360	16.156m	MH20 SILTED
435	574386.0450m	9552770.2870	16.158m	MH20 SILTED
13	574413.9150m	9552735.8940	15.804m	MH22SEALED
14	574413.6590m	9552735.4870	15.774m	MH22SEALED
15	574413.4080m	9552735.9260	15.818m	MH22SEALED
429	574425.0930m	9552724.2780	15.642m	MH23
428	574424.6190m	9552724.7140	15.658m	MH23
427	574424.1520m	9552724.3210	15.680m	MH23
426	574424.5800m	9552723.7560	15.686m	MH23
424	574449.6970m	9552693.5980	15.319m	MH24
423	574450.1310m	9552693.9770	15.320m	MH24
422	574450.4880m	9552693.4570	15.307m	MH24
421	574449.9530m	9552693.1370	15.300m	MH24
420	574454.9020m	9552687.3760	15.260m	MH25
419	574455.1700m	9552686.8870	15.259m	MH25
418	574455.7130m	9552687.1370	15.236m	MH25
417	574455.3620m	9552687.7140	15.247m	MH25
17	574462.5630m	9552677.5360	15.145m	MH26SEALED
18	574462.9900m	9552677.7470	15.126m	MH26SEALED
19	574462.6890m	9552678.2550	15.146m	MH26SEALED
20	574462.1820m	9552677.9490	15.167m	MH26SEALED
21	574468.9230m	9552666.9670	14.831m	MH27SEALED
22	574468.8090m	9552666.8020	14.837m	MH27SEALED
23	574468.3740m	9552666.5820	14.849m	MH27SEALED
24	574468.2560m	9552666.6390	14.858m	MH27SEALED
107	574487.9520m	9552647.7630	14.855m	MH86SEALED
108	574487.4060m	9552648.3290	14.836m	MH86SEALED
109	574487.8310m	9552648.7620	14.840m	MH86SEALED
110	574488.3290m	9552648.2770	14.838m	MH86SEALED
644	574406.6330m	9552781.8240	16.012m	MH37 SILTED
643	574407.1640m	9552781.4300	15.987m	MH37 SILTED
642	574407.6430m	9552781.8570	16.019m	MH37 SILTED
302	574416.1040m	9552770.3050	15.902m	MH36 SILTED
301	574416.6320m	9552770.7300	15.938m	MH36 SILTED
645	574416.3390m	9552771.2360	15.926m	MH36 SILTED

640	574398.9500m	9552793.0270	16.131m	MH38 SILTED
639	574398.9780m	9552792.4880	16.152m	MH38 SILTED
638	574399.7120m	9552792.6120	16.159m	MH38 SILTED
636	574379.9750m	9552809.6820	16.417m	MH39
635	574379.5350m	9552809.2620	16.410m	MH39
634	574379.1640m	9552809.7470	16.415m	MH39
633	574379.6330m	9552810.2060	16.419m	MH39
631	574374.1910m	9552818.3120	16.517m	MH40
617	574373.7590m	9552818.4060	16.529m	MH40
616	574373.5540m	9552818.0610	16.516m	MH40
615	574373.7480m	9552817.7980	16.519m	MH40
612	574370.2140m	9552820.4710	16.473m	MH41 SILTED
611	574370.5930m	9552820.9020	16.524m	MH41 SILTED
610	574370.1420m	9552821.4090	16.511m	MH41 SILTED
609	574352.0720m	9552842.0410	16.601m	MH42SILTED
608	574352.4640m	9552842.4350	16.618m	MH42SILTED
607	574352.0720m	9552842.8390	16.617m	MH42SILTED
605	574351.0260m	9552844.4110	16.653m	MH43
604	574351.2870m	9552844.6130	16.678m	MH44
603	574351.1040m	9552844.9220	16.672m	MH45
602	574350.7490m	9552844.8160	16.658m	MH46
599	574344.1650m	9552852.3230	16.610m	MH44 SILTED
598	574344.6380m	9552851.6910	16.626m	MH44 SILTED
597	574343.9570m	9552851.3810	16.637m	MH44 SILTED
458	574329.4900m	9552840.0500	16.479m	MH16 SILTED
457	574329.2080m	9552840.5110	16.506m	MH16 SILTED
456	574328.8230m	9552840.1810	16.508m	MH16 SILTED
455	574329.1120m	9552839.7180	16.502m	MH16 SILTED
103	574500.0930m	9552632.9760	14.709m	MH84SEALED
104	574500.4630m	9552632.4010	14.705m	MH84SEALED
105	574500.9580m	9552632.7650	14.671m	MH84SEALED
106	574500.5800m	9552633.2200	14.694m	MH84SEALED
99	574554.0030m	9552580.9540	15.335m	MH80SEALED
100	574554.4330m	9552580.4420	15.348m	MH80SEALED
101	574554.9480m	9552580.9120	15.373m	MH80SEALED
102	574554.5330m	9552581.4570	15.365m	MH80SEALED
95	574577.8430m	9552556.8370	16.054m	MH78SEALED
96	574577.3930m	9552557.2140	16.052m	MH78SEALED
97	574577.9330m	9552557.9270	16.064m	MH78SEALED
98	574578.4240m	9552557.5340	16.103m	MH78SEALED
398	574526.6170m	9552600.1210	14.782m	MH82
397	574526.8840m	9552599.9390	14.768m	MH82
396	574526.7030m	9552599.6620	14.753m	MH82
393	574536.7260m	9552589.1720	14.902m	MH81 SILTED
392	574537.1120m	9552588.7100	14.909m	MH81 SILTED
391	574536.6610m	9552588.2960	14.931m	MH81 SILTED
389	574566.0590m	9552568.1490	15.673m	MH79 SILTED
388	574565.6490m	9552568.5510	15.686m	MH79 SILTED
387	574566.1540m	9552569.0460	15.686m	MH79 SILTED
386	574566.5290m	9552568.5960	15.696m	MH79 SILTED

168	574610.4880m	9552539.6920	16.929m	MH2B-SILTED
169	574609.8560m	9552540.0470	16.906m	MH2B-SILTED
170	574610.8150m	9552540.4110	16.920m	MH2B-SILTED
171	574610.2200m	9552540.8040	16.910m	MH2B-SILTED
176	574628.8470m	9552508.6240	17.702m	MH7B-SEALED
177	574628.5670m	9552509.2050	17.678m	MH7B-SEALED
178	574629.1340m	9552509.5200	17.673m	MH7B-SEALED
179	574629.5240m	9552509.0050	17.686m	MH7B-SEALED
172	574637.9970m	9552515.0090	17.800m	MH6B-SEALED
173	574637.4940m	9552514.6590	17.812m	MH6B-SEALED
174	574638.3140m	9552514.5340	17.802m	MH6B-SEALED
175	574637.8630m	9552514.1530	17.815m	MH6B-SEALED
381	574602.0210m	9552529.7800	16.715m	MH3B
380	574601.4490m	9552530.1920	16.840m	MH3B
379	574601.0070m	9552529.5130	16.873m	MH3B
378	574601.4970m	9552529.0040	16.864m	MH3B
377	574614.9140m	9552522.6470	17.101m	MH4B SILTED
376	574615.2750m	9552523.2450	17.085m	MH4B SILTED
375	574615.7840m	9552522.8050	17.096m	MH4B SILTED
382	574592.6060m	9552547.9240	16.446m	MH77
383	574592.9000m	9552548.4650	16.482m	MH77
384	574592.3520m	9552548.7280	16.466m	MH77
385	574592.0680m	9552548.2830	16.454m	MH77
413	574491.2020m	9552643.5470	14.829m	MH 85
412	574491.0620m	9552643.2560	14.819m	MH 85
411	574490.9440m	9552643.1540	14.819m	MH 85
410	574490.6170m	9552643.3490	14.835m	MH 85
406	574511.0180m	9552620.0200	14.293m	MH83
405	574510.5180m	9552619.7940	14.590m	MH83
404	574511.0510m	9552619.3510	14.608m	MH83
403	574511.5670m	9552619.7560	14.628m	MH83
402	574510.9990m	9552620.2740	14.627m	MH83

Water Manholes

Valve1	9552745.063	574436.620	15.648	Water Valve
Valve1	9552745.723	574437.317	15.653	Water Valve
Valve1	9552746.531	574436.594	15.629	Water Valve
Valve1	9552745.973	574435.852	15.633	Water Valve
Valve1	9552745.920	574436.545	14.914	Water Valve
FH1	9552687.729	574491.868	15.419	Fire Hydrant
FH1	9552687.666	574492.946	15.529	Fire Hydrant
FH1	9552686.775	574492.946	15.387	Fire Hydrant
FH1	9552686.845	574491.895	15.320	Fire Hydrant
WS1	9553006.446	574233.971	16.376	Water Sign

Safaricom Manholes

MHSF1	9552687.381	574488.712	15.190	Safaricom Manhole
MHSF1	9552687.709	574489.562	15.286	Safaricom Manhole
MHSF1	9552688.613	574489.145	15.409	Safaricom Manhole
MHSF1	9552688.178	574488.342	15.265	Safaricom Manhole

MHSF1	9552688.027	574489.002	15.582	Safaricom Manhole
MHSF2	9552617.396	574451.035	14.547	Safaricom Manhole
MHSF2	9552618.039	574451.587	14.601	Safaricom Manhole
MHSF2	9552617.487	574452.242	14.663	Safaricom Manhole
MHSF2	9552616.846	574451.736	14.729	Safaricom Manhole
MHSF2	9552617.383	574451.696	14.581	Safaricom Manhole
MHSF3	9552704.934	574633.838	17.721	Safaricom Manhole
MHSF3	9552705.628	574633.816	17.787	Safaricom Manhole
MHSF3	9552705.710	574634.537	17.778	Safaricom Manhole
MHSF3	9552704.994	574634.653	17.733	Safaricom Manhole
MHSF3	9552705.287	574634.209	17.749	Safaricom Manhole
MHSF4	9552588.517	574566.687	15.426	Safaricom Manhole
MHSF4	9552589.041	574567.430	15.334	Safaricom Manhole
MHSF4	9552588.254	574567.932	15.490	Safaricom Manhole
MHSF4	9552587.820	574567.108	15.444	Safaricom Manhole
MHSF4	9552588.285	574567.230	15.470	Safaricom Manhole

Streetlights

1	9552546.355	574571.200	16.347	SL
2	9552580.555	574556.040	15.375	SL
3	9552620.363	574525.645	14.784	SL
4	9552563.992	574592.772	16.203	SL
5	9552785.024	574387.303	16.452	SL
6	9552751.036	574415.882	16.105	SL
7	9552686.432	574588.109	17.248	STR

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Powerposts

P 1	9552955.631	573929.315	17.821	Powerpost
P 1A	9553091.643	574191.698	17.374	Powerpost
P 2	9552980.130	573974.920	17.667	Powerpost
P 3	9553009.774	574029.538	17.707	Powerpost
P 4	9553015.519	574040.666	17.769	Powerpost
P 6	9553037.959	574082.463	17.700	Powerpost
P 7	9553063.511	574132.482	17.796	Powerpost
P 8	9553064.818	574134.795	17.785	Powerpost
P 9	9553074.493	574158.628	18.089	Powerpost
P 11	9553065.816	574205.088	16.999	Powerpost
P 12	9553032.802	574221.376	17.110	Powerpost
P 13	9552994.596	574238.988	16.269	Powerpost
P 14	9552966.445	574256.153	16.132	Powerpost
P 15	9552962.826	574258.201	16.343	Powerpost
P 16	9552844.244	574358.259	17.096	Powerpost
P 17	9552842.211	574360.164	17.060	Powerpost

Street Lights

SL1	9553068.571	574206.098	17.133	Street Light
SL2	9553037.341	574203.267	16.855	Street Light
SL3	9553034.740	574222.469	16.982	Street Light
SL4	9552995.190	574222.931	16.354	Street Light

SL5	9552957.861	574244.447	16.288	Street Light
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Liquid Manholes

MH18L	9553084.317	574150.009	17.667	MH 18LIQUID
	9553083.540	574150.408	17.626	MH 18LIQUID
	9553082.877	574149.096	17.612	MH 18LIQUID
	9553083.537	574148.679	17.678	MH 18LIQUID
MH19L	9553022.596	574034.676	17.682	MH19 LIQUID
	9553022.054	574034.967	17.604	MH19 LIQUID
	9553022.731	574036.066	17.626	MH19 LIQUID
	9553023.197	574035.846	17.659	MH19 LIQUID

Storm Water Manholes

1	9553025.583	574197.364	16.502	MH5SILTED
2	9553025.262	574196.727	16.579	MH5SILTED
3	9553024.681	574196.971	16.597	MH5SILTED
4	9553024.954	574197.674	16.473	MH5SILTED
5	9552954.415	574245.772	16.254	MH10SILTED
6	9552954.017	574245.255	16.256	MH10SILTED
7	9552953.474	574245.692	16.250	MH10SILTED
8	9552953.831	574246.187	16.255	MH10SILTED
9	9552973.203	574248.080	16.024	MH54SEALED
10	9552973.233	574247.616	16.005	MH54SEALED
11	9552973.663	574248.014	16.012	MH54SEALED
12	9552974.490	574246.301	15.938	MH55SILTED
13	9552975.665	574245.952	16.104	MH55SILTED
14	9553093.031	574189.543	17.206	MH90-SILTED
15	9553093.713	574189.265	17.228	MH90-SILTED
16	9553093.395	574188.518	17.203	MH90-SILTED
17	9553092.684	574188.802	17.176	MH90-SILTED
18	9553067.551	574137.338	17.486	MH91-SILTED
19	9553067.296	574136.869	17.478	MH91-SILTED
20	9553067.708	574136.639	17.501	MH91-SILTED
21	9553067.956	574137.110	17.487	MH91-SILTED
22	9553053.244	574110.616	17.341	MH92-SILTED
23	9553053.436	574111.056	17.305	MH92-SILTED
24	9553053.842	574110.778	17.326	MH92-SILTED
25	9553053.672	574110.384	17.343	MH92-SILTED
26	9553039.066	574084.187	17.445	MH93-SILTED
27	9553039.333	574084.666	17.475	MH93-SILTED
28	9553039.729	574084.422	17.467	MH93-SILTED
29	9553039.458	574083.968	17.454	MH93-SILTED
30	9553024.456	574057.106	17.578	MH94-SILTED
31	9553024.774	574057.723	17.577	MH94-SILTED
32	9553025.213	574057.537	17.529	MH94-SILTED
33	9553024.879	574056.849	17.508	MH94-SILTED
34	9553013.211	574033.427	17.523	MH95-SEALED
35	9553013.503	574034.078	17.521	MH95-SEALED
36	9553014.158	574033.748	17.537	MH95-SEALED

37	9553013.835	574033.116	17.543	MH95-SEALED
38	9553011.120	574032.002	17.500	MH96-1.08
39	9553011.534	574031.776	17.495	MH96-1.08
40	9553011.289	574031.301	17.484	MH96-1.08
41	9553010.859	574031.519	17.510	MH96-1.08
42	9552996.932	574003.995	17.463	MH97-SILTED
43	9552996.211	574004.368	17.562	MH97-SILTED
44	9552996.619	574005.200	17.641	MH97-SILTED
45	9552997.273	574004.902	17.548	MH97-SILTED
46	9553003.364	574001.317	17.644	MH98-SILTED
47	9553003.752	574001.893	17.512	MH98-SILTED
48	9553003.247	574002.200	17.458	MH98-SILTED
49	9553002.971	574001.661	17.475	MH98-SILTED
50	9553017.571	574027.925	17.464	MH99-SILTED
51	9553016.997	574028.238	17.554	MH99-SILTED
52	9553017.310	574028.899	17.546	MH99-SILTED
53	9553017.904	574028.589	17.459	MH99-SILTED
54	9553024.940	574038.714	17.552	MH100-SILTED
55	9553024.304	574039.073	17.543	MH100-SILTED
56	9553024.760	574039.927	17.547	MH100-SILTED
57	9553025.437	574039.592	17.564	MH100-SILTED
58	9553031.724	574054.425	17.491	MH101-0.9
59	9553031.345	574054.700	17.525	MH101-0.9
60	9553030.985	574054.148	17.532	MH101-0.9
61	9553031.478	574053.914	17.488	MH101-0.9
62	9553031.455	574053.894	17.479	MH101-SILTED
63	9553046.089	574081.192	17.499	MH102-1M
64	9553045.687	574081.402	17.556	MH102-1M
65	9553045.428	574080.980	17.573	MH102-1M
66	9553045.848	574080.740	17.503	MH102-1M
67	9553059.923	574107.120	17.484	MH103-SILTED
68	9553059.918	574107.097	17.485	MH103-SILTED
69	9553059.471	574107.355	17.490	MH103-SILTED
70	9553059.727	574107.817	17.512	MH103-SILTED
71	9553060.148	574107.550	17.490	MH103-SILTED
72	9553074.387	574134.119	17.582	MH104-SILTED
73	9553073.973	574133.386	17.608	MH104-SILTED
74	9553073.512	574133.637	17.539	MH104-SILTED
75	9553073.845	574134.428	17.513	MH104-SILTED
76	9553065.032	574178.082	17.003	MHA7-4A ACC193
77	9553065.498	574177.838	17.018	MHA7-4A ACC194
78	9553065.820	574178.403	16.968	MHA7-4A ACC195
79	9553065.290	574178.580	17.004	MHA7-4A ACC196
80	9553065.213	574178.699	17.066	MHA7-4A ACC197
81	9553065.827	574178.288	17.091	MHA7-4A ACC198
82	9553065.533	574177.743	17.127	MHA7-4A ACC199
83	9553064.920	574178.014	17.112	MHA7-4A ACC200
84	9553060.242	574179.860	17.035	MHA7R-7A PIC2
85	9553060.581	574179.985	17.002	MHA7R-7A PIC3
86	9553060.594	574180.301	17.000	MHA7R-7A PIC4

87	9553060.374	574180.464	17.003	MHA7R-7A PIC5
88	9553059.996	574180.348	17.002	MHA7R-7A PIC6
89	9553060.061	574179.981	17.026	MHA7R-7A PIC7
90	9553052.313	574184.955	16.870	MHA7R-7A PIC8
91	9553052.069	574184.404	16.898	MHA7R-7A PIC9
92	9553051.554	574184.629	16.900	MHA7R-7A PIC10
93	9553051.800	574185.229	16.840	MHA7R-7A PIC11
94	9552992.605	574211.438	16.498	MHA7R-7A PIC18
95	9552992.267	574211.377	16.488	MHA7R-7A PIC19
96	9552992.135	574211.756	16.489	MHA7R-7A PIC20
97	9552992.463	574211.975	16.476	MHA7R-7A PIC21
98	9552992.720	574211.713	16.473	MHA7R-7A PIC22
99	9552992.422	574211.702	15.927	MHA7R-7A PIC23
100	9553002.007	574232.781	16.677	MHA7R-7A PIC33
101	9553001.966	574233.146	16.673	MHA7R-7A PIC34
102	9553001.576	574233.215	16.687	MHA7R-7A PIC35
103	9553001.355	574233.031	16.675	MHA7R-7A PIC36
104	9553001.443	574232.582	16.695	MHA7R-7A PIC37
105	9553037.971	574215.316	16.570	MHA7R-7A PIC38
106	9553038.178	574215.574	16.603	MHA7R-7A PIC39
107	9553037.554	574215.392	16.577	MHA7R-7A PIC40
108	9553037.595	574215.824	16.591	MHA7R-7A PIC41
109	9553037.678	574215.214	16.553	MHA7R-7A PIC42
110	9553078.687	574196.386	17.130	MHA7R-7A PIC44
111	9553078.587	574196.241	17.127	MHA7R-7A PIC45
112	9553078.437	574196.674	17.142	MHA7R-7A PIC46
113	9553078.110	574196.415	17.131	MHA7R-7A PIC47
114	9553046.282	574210.799	15.871	MHA7R-7A PIC54
115	9553065.179	574201.888	16.812	MHA7R-7A PIC55
116	9553011.808	574226.949	16.317	MHA7R-7A PIC61
117	9553011.159	574227.298	16.291	MHA7R-7A PIC62
118	9553011.546	574226.409	16.281	MHA7R-7A PIC63
119	9553010.914	574226.711	16.251	MHA7R-7A PIC64
120	9552953.957	574260.647	16.106	MHA7R-7A PIC81
121	9552953.696	574260.823	16.106	MHA7R-7A PIC82
122	9552953.315	574260.623	16.096	MHA7R-7A PIC83
123	9552953.375	574260.167	16.102	MHA7R-7A PIC84
124	9552971.157	574234.644	16.280	MHA7R-7A PIC355
125	9552970.533	574235.051	16.306	MHA7R-7A PIC356
126	9552970.252	574234.530	16.273	MHA7R-7A PIC357
127	9552970.748	574234.284	16.172	MHA7R-7A PIC358
128	9553051.915	574184.804	16.927	SILTED MHA7R-7A PIC12
129	9553037.769	574191.656	16.758	SILTED MHA7R-7A PIC13
130	9553037.234	574191.981	16.748	SILTED MHA7R-7A PIC14
131	9553036.943	574191.409	16.762	SILTED MHA7R-7A PIC15
132	9553037.355	574191.188	16.764	SILTED MHA7R-7A PIC16
133	9552983.170	574241.659	16.070	SILTED MHA7R-7A PIC30
134	9552983.479	574241.835	16.019	SILTED MHA7R-7A PIC31
135	9553046.460	574210.320	16.706	SILTED MHA7R-7A PIC50
136	9553045.794	574210.576	16.691	SILTED MHA7R-7A PIC51

137	9553046.732	574210.884	16.724	SILTED MHA7R-7A PIC52
138	9553046.136	574211.310	16.712	SILTED MHA7R-7A PIC53
139	9553065.286	574201.515	16.828	SILTED MHA7R-7A PIC56
140	9553065.611	574202.166	16.932	SILTED MHA7R-7A PIC57
141	9553064.993	574202.453	16.927	SILTED MHA7R-7A PIC58
142	9553064.777	574201.843	16.840	SILTED MHA7R-7A PIC59
143	9552992.428	574235.737	16.134	SILTED MHA7R-7A PIC65
144	9552992.653	574236.428	16.159	SILTED MHA7R-7A PIC66
145	9552993.175	574236.051	16.143	SILTED MHA7R-7A PIC67
146	9552992.984	574235.523	16.140	SILTED MHA7R-7A PIC68
147	9552959.550	574255.699	16.044	SILTED MHA7R-7A PIC76
148	9552959.905	574256.161	16.051	SILTED MHA7R-7A PIC77
149	9552959.313	574256.752	16.067	SILTED MHA7R-7A PIC78
150	9552958.851	574256.195	16.074	SILTED MHA7R-7A PIC79
151	9552988.641	574224.472	16.336	SILTED MHA7R-7A PIC350
152	9552988.325	574224.012	16.335	SILTED MHA7R-7A PIC351
153	9552987.763	574224.368	16.337	SILTED MHA7R-7A PIC352
154	9552988.069	574224.891	16.354	SILTED MHA7R-7A PIC353
155	9552961.546	574240.046	16.248	SILTED MHA7R-7A PIC359
156	9552961.038	574240.393	16.252	SILTED MHA7R-7A PIC360
157	9552961.354	574240.899	16.274	SILTED MHA7R-7A PIC361
158	9552961.876	574240.589	16.258	SILTED MHA7R-7A PIC362

Water Sign

WS1	9553006.446	574233.971	16.376	Water Sign
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Safaricom Manholes				
MHSF1	9553108.121	574186.310	17.332	Safaricom Manhole
MHSF1	9553108.417	574186.858	17.377	Safaricom Manhole
MHSF1	9553109.135	574186.463	17.384	Safaricom Manhole
MHSF1	9553108.838	574185.919	17.360	Safaricom Manhole
MHSF1	9553108.607	574186.371	17.363	Safaricom Manhole

Billboards

BB 1	9553016.447	574044.974	17.759	Billboard
BB 1	9553014.472	574046.329	17.781	Billboard
BB 2	9553045.531	574211.974	16.709	Billboard
BB 2	9553046.046	574211.824	16.742	Billboard
BB 2	9553046.363	574214.128	17.008	Billboard
BB 2	9553046.792	574213.908	17.073	Billboard
BB 3	9553050.518	574212.319	17.082	Billboard
BB 3	9553050.211	574211.558	17.010	Billboard
BB 4	9553033.882	574221.410	17.057	Billboard
BB 4	9553033.509	574220.722	16.903	Billboard
BB 5	9553044.619	574099.040	17.777	Billboard
BB 5	9553043.462	574099.588	18.025	Billboard

Traffic Sign

TS 1	9553015.803	574044.401	17.741	Traffic Sign
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A8-1

Powerposts				
P 1	9551893.206	574179.074	19.505	Powerpost
P 2	9551893.918	574176.663	19.525	Powerpost
P 3	9551887.198	574132.259	19.089	Powerpost
P 4	9551886.194	574089.480	18.832	Powerpost
P 5	9551872.291	574066.220	18.906	Powerpost
P 6	9551885.390	574044.186	18.903	Powerpost
P 7	9551884.948	574000.517	19.430	Powerpost
P 8	9551899.606	574002.398	18.834	Powerpost
P 9	9551899.009	573980.987	19.029	Powerpost
P 10	9551885.062	573968.592	19.184	Powerpost
P 11	9551884.998	573966.549	19.110	Powerpost
P 12	9551864.910	573983.663	18.712	Powerpost
P 13	9551930.991	574127.495	19.096	Powerpost
P 14	9551950.472	574127.940	19.111	Powerpost
P 15	9551960.225	574104.625	19.323	Powerpost
P 16	9551953.725	574092.985	19.181	Powerpost
P 17	9551953.997	574092.830	19.188	Powerpost
P 18	9551984.493	574085.709	19.527	Powerpost
P 19	9551986.627	574083.863	19.581	Powerpost
P 20	9552036.043	574045.834	19.855	Powerpost
P 21	9552036.566	574045.490	19.857	Powerpost
P 22	9551935.727	574191.516	18.118	Powerpost
P 23	9551935.849	574191.456	17.911	Powerpost
P 24	9551972.885	574198.059	17.780	Powerpost
P 25	9551973.129	574198.017	17.768	Powerpost
P 26	9551972.015	574187.146	17.950	Powerpost
P 27	9552007.160	574191.747	17.199	Powerpost
P 28	9552014.240	574205.940	17.678	Powerpost
P 29	9552029.846	574196.053	17.694	Powerpost
P 30	9552064.779	574220.903	17.416	Powerpost
P 31	9551845.364	574159.065	18.491	Powerpost
P 32	9551842.749	574157.682	18.574	Powerpost
P 33	9551841.095	574156.956	18.565	Powerpost
P 34	9551813.819	574145.499	18.494	Powerpost
P 35	9551811.724	574144.695	18.489	Powerpost
P 36	9551799.204	574140.279	18.574	Powerpost
P 37	9551749.714	574136.520	18.723	Powerpost
P 38	9551734.633	574147.185	18.828	Powerpost
P 39	9551733.705	574147.752	18.798	Powerpost
P52	9551769.621	574403.445	18.769	Powerpost
P54	9551779.540	574391.363	18.760	Powerpost
P55	9551781.293	574388.977	18.794	Powerpost
P56	9551792.341	574375.833	18.942	Powerpost
P57	9551808.526	574381.237	18.528	Powerpost
P58	9551827.345	574328.713	18.871	Powerpost
P59	9551837.239	574335.217	18.564	Powerpost
P 60	9551839.277	574301.573	18.924	Powerpost
P 61	9551847.959	574282.147	18.871	Powerpost

P 62	9551850.668	574276.419	18.859	Powerpost
P 63	9551864.072	574301.060	18.025	Powerpost
P 64	9551872.857	574225.131	19.182	Powerpost
P 65	9551881.659	574204.752	19.130	Powerpost
Street Lights				
SL 1	9551803.142	574382.451	18.596	Street Light
SL 2	9551800.725	574335.183	18.737	Street Light
SL 3	9551838.353	574333.502	18.523	Street Light
SL 4	9551848.127	574317.108	18.470	Street Light
SL 5	9551870.649	574261.621	18.568	Street Light
SL 6	9551880.883	574235.854	18.885	Street Light
SL 7	9551870.038	574201.701	18.427	Street Light
SL 8	9551886.233	574179.838	19.184	Street Light
SL 9	9551897.073	574167.147	19.327	Street Light
SL 10	9551888.170	574163.077	19.183	Street Light
SL 11	9551900.245	574150.571	19.416	Street Light
SL 12	9551912.269	574141.699	18.993	Street Light
SL 13	9551872.665	574140.231	18.761	Street Light
SL 14	9551900.897	574110.444	18.966	Street Light
SL 15	9551901.516	574069.012	18.935	Street Light
SL 16	9551933.289	574141.457	19.143	Street Light
SL 17	9551945.890	574097.726	19.165	Street Light
SL 18	9551979.480	574104.352	19.323	Street Light
SL 19	9551970.680	574081.453	19.284	Street Light
SL 20	9552003.980	574084.970	19.471	Street Light
SL 21	9552000.371	574058.579	19.422	Street Light
SL 22	9551999.300	574057.110	19.517	Street Light
SL 23	9552028.024	574067.059	19.415	Street Light

Low Voltage Building Connections

BLD LV	9551882.335	574233.915	18.593	LV Building Connections
BLD LV	9551869.852	574129.738	18.607	LV Building Connections
BLD LV	9551874.662	574121.154	18.557	LV Building Connections
BLD LV	9551873.955	574097.414	18.568	LV Building Connections
BLD LV	9551899.802	574080.276	18.786	LV Building Connections
BLD LV	9551874.043	574042.883	18.814	LV Building Connections
BLD LV	9551897.255	574037.340	18.871	LV Building Connections
BLD LV	9551871.933	574029.756	18.915	LV Building Connections
BLD LV	9551929.548	574143.751	19.021	LV Building Connections
BLD LV	9551937.102	574138.628	19.176	LV Building Connections
BLD LV	9551992.797	574098.258	19.259	LV Building Connections
BLD LV	9551987.763	574099.962	19.243	LV Building Connections
BLD LV	9552026.933	574067.531	19.435	LV Building Connections
BLD LV	9552049.155	574021.177	19.707	LV Building Connections
BLD LV	9552080.966	574025.693	19.679	LV Building Connections
BLD LV	9552074.725	574001.775	19.982	LV Building Connections
BLD LV	9552115.315	574012.597	20.074	LV Building Connections
BLD LV	9552118.871	573984.462	20.075	LV Building Connections

Billboards

BB 1	9551875.998	574255.833	18.552	Billboard
BB 1	9551876.818	574253.514	18.636	Billboard
BB 3	9551888.858	574130.501	19.161	Billboard
BB 3	9551890.354	574130.377	19.203	Billboard
BB 4	9551924.575	574131.426	19.114	Billboard

Traffic Signs

TS 1	9551882.717	574201.753	19.097	Traffic Sign
TS 2	9551931.675	574138.293	19.121	Traffic Sign
TS 3	9551932.353	574138.181	19.195	Traffic Sign
TS 4	9551933.783	574125.222	19.209	Traffic Sign
TS 5	9551940.311	574133.092	19.076	Traffic Sign
TS 6	9551953.397	574093.347	19.169	Traffic Sign
TS 7	9551991.033	574095.320	19.211	Traffic Sign
TS 10	9551887.601	574138.322	19.112	Traffic Sign
TS 12	9551886.625	574138.695	19.140	Traffic Sign
TS 13	9551885.468	574139.784	19.123	Traffic Sign
TS 14	9551886.547	574098.840	18.824	Traffic Sign
TS 15	9551886.837	574090.200	18.838	Traffic Sign
TS 16	9551885.236	574090.168	18.806	Traffic Sign
TS 17	9551885.270	574070.697	18.867	Traffic Sign
TS 18	9551899.579	574003.649	18.828	Traffic Sign
TS 19	9551901.061	574004.639	18.904	Traffic Sign
TS 20	9551885.429	573988.015	19.146	Traffic Sign

CCTV

CCTV	9551873.808	574141.089	18.680	CCTV
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Clock

Clock	9551894.250	574158.603	19.290	CLOCK
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Safaricom Manholes

MHSF1	9551672.616	574142.289	19.041	Safaricom Manhole
MHSF1	9551671.956	574142.219	19.052	Safaricom Manhole
MHSF1	9551671.875	574143.064	19.081	Safaricom Manhole
MHSF1	9551672.516	574143.183	19.070	Safaricom Manhole
MHSF1	9551672.226	574142.694	19.072	Safaricom Manhole
MHSF2	9551826.472	574159.913	18.281	Safaricom Manhole
MHSF2	9551825.624	574159.620	18.331	Safaricom Manhole
MHSF2	9551825.348	574160.466	18.384	Safaricom Manhole
MHSF2	9551826.162	574160.750	18.366	Safaricom Manhole
MHSF2	9551825.895	574160.167	18.353	Safaricom Manhole

JTL Manholes

59	9551955.139	574125.281	19.467	JTL MH 3
220	9551210.142	573993.867	16.411	JTL MH 28
221	9551209.296	573993.562	16.426	JTL MH 28
222	9551208.954	573994.308	16.417	JTL MH 28
223	9551209.813	573994.688	16.440	JTL MH 28

Sewer Manholes

339	9551835.419	574154.842	18.618	MH 66
340	9551836.811	574155.547	18.450	MH 66
341	9551837.443	574154.088	18.505	MH 66
342	9551836.065	574153.482	18.489	MH 66
343	9551836.232	574154.634	18.642	MH 66 1.08M
344	9551819.018	574147.196	18.468	MH 67
345	9551820.495	574147.914	18.455	MH 67
346	9551819.709	574145.737	18.514	MH 67
347	9551820.222	574146.628	18.843	MH 67 1.38M
348	9551821.263	574146.403	18.607	MH 67
349	9551820.429	574181.500	18.204	MH 68
350	9551820.633	574181.208	18.198	MH 68
351	9551820.681	574181.397	18.213	MH 68
352	9551820.326	574181.788	18.194	MH 68
353	9551820.161	574181.695	18.205	MH 68
354	9551820.170	574181.277	18.233	MH 68
355	9551810.383	574142.927	18.746	MH 69
356	9551810.331	574142.486	18.698	MH 69
357	9551810.846	574142.595	18.662	MH 69
358	9551810.734	574143.195	18.666	MH 69
359	9551759.171	574403.850	18.329	MH 69 1.37M
360	9551795.456	574137.582	18.973	MH 70CC
361	9551794.591	574138.195	18.599	MH 70
362	9551796.176	574138.432	18.646	MH 70
363	9551794.866	574136.700	18.722	MH 70
364	9551783.899	574137.850	18.445	MH 71
365	9551782.319	574137.752	18.537	MH 71
366	9551783.131	574136.909	18.820	MH 71C
367	9551783.970	574136.489	18.647	MH 71
368	9551770.197	574137.314	18.691	MH 72
369	9551768.644	574137.207	18.591	MH 72
370	9551769.439	574136.259	18.910	MH 72 1.06M
371	9551768.665	574135.608	18.839	MH 72
372	9551770.033	574135.729	18.745	MH 72
373	9551756.005	574136.578	18.682	MH 73
374	9551754.425	574136.599	18.634	MH 73
375	9551755.156	574135.738	19.132	MH 73 1.06M
376	9551743.032	574136.118	18.757	MH 74
377	9551743.985	574135.404	19.208	MH 74 1.1M
378	9551744.828	574136.138	18.713	MH 74
379	9551744.725	574134.503	18.921	MH 74
380	9551733.052	574134.693	19.237	MH 75 1.06M
381	9551732.426	574135.725	18.830	MH 75
382	9551733.882	574135.783	18.868	MH 75
383	9551732.376	574134.050	18.960	MH 75
384	9551733.854	574134.084	18.918	MH 75
385	9551717.264	574134.466	19.120	MH 75 0.8M
386	9551717.978	574134.961	18.830	MH 76

387	9551716.326	574134.922	18.863	MH 76
388	9551716.415	574133.264	18.944	MH 76
405	9551947.820	574184.374	18.014	MH 80 0.8M
406	9551947.532	574184.641	17.986	MH 80
407	9551947.628	574184.666	17.990	MH 80
408	9551948.118	574184.529	18.019	MH 80
409	9551948.119	574184.426	18.026	MH 80
410	9551947.707	574184.112	18.053	MH 80
411	9551947.634	574184.108	18.036	MH 80
412	9551960.197	574186.586	18.089	MH 81 0.66M
413	9551974.037	574188.456	17.948	SMH 82
414	9551973.255	574188.322	17.971	SMH 82
415	9551973.054	574189.132	17.929	SMH 82
416	9551973.855	574189.292	17.937	SMH 82
417	9551973.546	574188.785	18.005	SMH 82
418	9551977.609	574189.956	17.964	SMH 83
419	9551978.317	574190.176	17.910	SMH 83
420	9551978.584	574189.554	17.966	SMH 83
421	9551977.840	574189.428	18.073	SMH 83
422	9551978.093	574189.730	18.251	SMH 83
423	9552007.716	574194.800	17.760	SMH 84
424	9552007.860	574194.038	17.802	SMH 84
425	9552006.991	574193.859	17.773	SMH 84
426	9552006.870	574194.554	17.785	SMH 84
427	9552006.951	574194.451	18.013	SMH 84
428	9552024.745	574198.286	17.526	SMH 85
429	9552024.115	574198.190	17.525	SMH 85
430	9552024.213	574197.647	17.512	SMH 85
431	9552024.857	574197.756	17.525	SMH 85
432	9552024.475	574197.955	17.509	SMH 85
433	9552026.919	574206.400	17.529	MH 86
434	9552027.172	574206.174	17.564	SMH 86
435	9552027.169	574206.319	17.571	SMH 86
436	9552026.741	574206.602	17.581	SMH 86
437	9552026.642	574206.547	17.584	SMH 86
438	9552026.667	574206.024	17.601	SMH 86
439	9552026.736	574205.953	17.584	SMH 86
440	9552026.836	574206.271	17.577	SMH 86
444	9552016.084	574228.301	17.371	SMH 87
445	9552016.034	574228.456	17.372	SMH 87
446	9552015.647	574228.762	17.362	SMH 87
447	9552015.533	574228.703	17.334	SMH 87
448	9552015.473	574228.209	17.371	SMH 87
449	9552015.579	574228.096	17.374	SMH 87
450	9552015.726	574228.447	17.365	SMH 87

Storm Water Manholes

148	9551723.180	574425.691	18.334	MH38-0.3M
149	9551722.855	574425.779	18.323	MH38-0.3M
150	9551722.895	574425.382	18.343	MH38-0.3M

151	9551733.065	574420.518	18.475	MH39-0.9
152	9551733.273	574420.039	18.636	MH39-0.9
153	9551732.732	574419.752	18.632	MH39-0.9
154	9551732.364	574420.276	18.518	MH39-0.9
155	9551719.470	574493.576	18.945	MH40-COULD NOT BE OPENED
156	9551718.900	574493.353	18.964	MH40-COULD NOT BE OPENED
157	9551718.636	574494.024	18.963	MH40-COULD NOT BE OPENED
158	9551719.164	574494.226	18.984	MH40-COULD NOT BE OPENED
159	9551805.820	574609.797	18.216	MH41-1.1
160	9551806.027	574609.210	18.285	MH41-1.1
161	9551805.411	574608.977	18.317	MH41-1.1
162	9551805.187	574609.579	18.381	MH41-1.1
163	9551885.327	574628.630	18.039	MH42-BLOCKED
164	9551884.966	574628.216	18.003	MH42-BLOCKED
165	9551885.462	574628.111	18.009	MH42-BLOCKED
166	9551780.236	574412.171	18.407	MH43
167	9551823.098	574352.996	18.210	MH44-BLOKED
168	9551822.755	574352.660	18.252	MH44-BLOKED
169	9551823.078	574352.268	18.265	MH44-BLOKED
170	9551823.443	574352.590	18.211	MH44-BLOKED
171	9551840.985	574325.450	18.247	MH45-BLOKED
172	9551841.198	574324.985	18.241	MH45-BLOKED
173	9551841.043	574324.877	18.274	MH45-BLOKED
174	9551840.770	574325.306	18.233	MH45-BLOKED
175	9551852.210	574300.228	18.170	MH46-BLOKED
176	9551852.391	574299.708	18.116	MH46-BLOKED
177	9551851.892	574299.482	18.177	MH46-BLOKED
178	9551851.662	574299.998	18.179	MH46-BLOKED
179	9551860.603	574291.430	18.208	MH47-SEALED
180	9551861.070	574291.842	18.189	MH47-SEALED
181	9551861.471	574291.392	18.185	MH47-SEALED
182	9551861.032	574290.990	18.191	MH47-SEALED
183	9551880.500	574234.717	18.293	MH48-0.65
184	9551880.101	574234.537	18.294	MH48-0.65
185	9551880.339	574234.126	18.283	MH48-0.65
186	9551880.679	574234.219	18.273	MH48-0.65
187	9551890.717	574210.154	18.327	MH49-0.65
188	9551890.915	574209.740	18.359	MH49-0.65
189	9551891.328	574209.870	18.295	MH49-0.65
190	9551891.126	574210.324	18.281	MH49-0.65
191	9551912.357	574186.353	18.253	MH51
192	9551912.865	574186.459	18.193	MH51
193	9551912.874	574186.894	18.187	MH51
194	9551912.364	574186.823	18.199	MH51
195	9551911.529	574187.830	18.403	MH50SEALED
196	9551989.120	574067.240	19.115	MH60
197	9551989.692	574068.030	19.113	MH60
198	9551990.425	574067.474	19.107	MH60
199	9551989.861	574066.728	19.124	MH60
200	9551978.020	574077.978	18.933	MH61

201	9551977.623	574078.256	18.902	MH61
202	9551977.323	574077.911	18.902	MH61
203	9551977.705	574077.580	18.882	MH61
204	9551938.019	574108.911	18.750	MH63
205	9551937.806	574108.565	18.613	MH63
206	9551937.406	574108.812	18.698	MH63
207	9551937.682	574109.186	18.774	MH63
208	9551915.947	574121.485	18.761	MH64-SEALED
209	9551915.568	574120.989	18.863	MH64-SEALED
210	9551916.462	574121.065	18.744	MH64-SEALED
211	9551915.961	574120.699	18.864	MH64-SEALED
212	9551912.347	574128.742	18.457	MH65
213	9551912.763	574128.437	18.472	MH65
214	9551912.482	574128.089	18.442	MH65
215	9551912.076	574128.392	18.441	MH65
216	9551898.844	574107.374	18.793	MH66
217	9551898.304	574107.381	18.730	MH66
218	9551898.256	574106.807	18.722	MH66
219	9551898.811	574106.766	18.748	MH66
220	9551897.003	574031.807	18.872	MH67
221	9551896.987	574031.192	18.856	MH67
222	9551896.411	574031.144	18.785	MH67
223	9551896.450	574031.812	18.849	MH67
224	9551872.010	573982.784	18.707	MH68
225	9551871.896	573982.748	18.692	MH68
226	9551871.613	573983.174	18.706	MH68
227	9551871.597	573983.357	18.712	MH68
228	9551872.172	573983.417	18.739	MH68
229	9551872.225	573983.270	18.739	MH68
230	9551874.699	574028.632	18.709	MH69-.57
231	9551874.211	574028.697	18.738	MH69-.57
232	9551874.169	574029.206	18.735	MH69-.57
233	9551874.706	574029.230	18.672	MH69-.57
234	9551874.171	574031.683	18.752	MH70-1.12M
235	9551874.172	574031.055	18.758	MH70-1.12M
236	9551873.492	574031.016	18.784	MH70-1.12M
237	9551873.536	574031.710	18.767	MH70-1.12M
238	9551873.220	574030.541	18.246	MH71
239	9551872.609	574030.543	18.252	MH71
240	9551872.641	574031.636	18.238	MH71
241	9551873.201	574031.662	18.253	MH71
242	9551865.192	574166.032	18.251	MH72-0.5
243	9551865.082	574166.649	18.258	MH72-0.5
244	9551865.753	574166.755	18.209	MH72-0.5
245	9551865.794	574166.086	18.238	MH72-0.5
246	9551790.587	574146.638	18.687	MH73
247	9551790.527	574146.996	18.645	MH73
248	9551833.328	574161.709	18.303	MH76
249	9551834.033	574161.988	18.309	MH76
250	9551833.753	574162.691	18.287	MH76

251	9551833.079	574162.393	18.268	MH76
252	9551869.307	574180.316	18.400	MH79
253	9551869.004	574180.585	18.500	MH79
254	9551869.379	574181.078	18.514	MH79
255	9551869.686	574180.787	18.471	MH79
256	9551865.800	574177.477	18.394	MH78
257	9551866.105	574177.042	18.260	MH78
258	9551866.765	574177.461	18.281	MH78
259	9551866.490	574177.910	18.390	MH78
260	9551874.203	574193.006	18.305	MH80
261	9551874.598	574193.150	18.341	MH80
262	9551874.443	574193.714	18.325	MH80
263	9551874.054	574193.645	18.307	MH80
264	9551866.436	574213.667	18.224	MH81
265	9551866.225	574214.107	18.225	MH81
266	9551866.864	574213.828	18.359	MH81-0.83
267	9551866.691	574214.307	18.361	MH81-0.83
268	9551857.260	574234.816	18.189	MH82
269	9551857.428	574234.368	18.168	MH82
270	9551857.792	574234.501	18.287	MH82
271	9551857.611	574234.984	18.287	MH82
272	9551849.530	574253.814	18.184	MH83
273	9551849.124	574253.667	18.223	MH83
274	9551849.305	574253.233	18.195	MH83
275	9551849.669	574253.366	18.188	MH83
276	9551841.155	574273.062	18.158	MH84
277	9551840.811	574272.888	18.140	MH84
278	9551840.522	574273.423	18.115	MH84
279	9551840.880	574273.590	18.151	MH84
280	9551836.727	574279.453	18.205	MH84COULD
281	9551836.442	574280.052	18.222	MH84COULD
282	9551835.887	574279.794	18.226	MH84COULD
283	9551836.178	574279.212	18.232	MH84COULD
284	9551827.479	574303.451	18.064	MH86
285	9551827.196	574303.866	18.077	MH86
286	9551821.139	574317.253	18.166	MH87
287	9551820.935	574317.644	18.174	MH87-0.93
288	9551813.977	574329.432	18.280	MH88
289	9551813.676	574329.887	18.257	MH88
290	9551804.536	574342.265	18.243	MH89
291	9551804.226	574342.645	18.246	MH89
292	9551804.541	574342.908	18.270	MH89
293	9551804.855	574342.539	18.267	MH89
294	9551784.591	574367.977	18.299	MH90
295	9551784.145	574368.549	18.300	MH90
296	9551784.368	574368.692	18.286	MH90
297	9551784.831	574368.166	18.299	MH90
298	9551774.439	574381.905	18.415	MH91
299	9551774.048	574381.621	18.376	MH91
300	9551773.741	574382.088	18.364	MH91

301	9551774.096	574382.328	18.414	MH91
302	9551760.910	574399.501	18.404	MH92
303	9551760.600	574399.258	18.394	MH92
304	9551749.744	574413.295	18.480	MH93
305	9551750.093	574413.557	18.497	MH93
306	9551750.421	574413.090	18.504	MH93
307	9551750.094	574412.878	18.461	MH93
28	9551912.855	574186.875	18.149	NAIVASMH1
29	9551912.347	574186.791	18.148	NAIVASMH1
30	9551912.897	574186.465	18.219	NAIVASMH1
31	9551912.403	574186.385	18.210	NAIVASMH1
32	9551912.106	574188.008	18.374	NAIVASMH2
33	9551911.442	574187.873	18.374	NAIVASMH2
34	9551911.312	574188.534	18.371	NAIVASMH2
35	9551911.986	574188.676	18.374	NAIVASMH2
36	9551919.744	574180.491	18.041	NAIVASMH3
37	9551919.666	574180.974	18.107	NAIVASMH3
38	9551919.185	574180.856	18.122	NAIVASMH3
39	9551919.258	574180.382	18.072	NAIVASMH3
40	9551954.372	574186.527	17.635	NAIVASMH4
41	9551954.313	574186.904	17.650	NAIVASMH4
42	9551979.562	574198.324	17.060	NAIVASMH5
43	9551979.459	574198.757	17.041	NAIVASMH5
44	9551979.960	574198.819	17.034	NAIVASMH5
45	9551980.020	574198.398	17.058	NAIVASMH5
46	9551988.243	574192.611	17.545	NAIVASMH6
47	9551988.732	574192.691	17.563	NAIVASMH6
48	9552003.623	574193.011	17.618	NAIVASMH7
49	9552004.255	574193.059	17.622	NAIVASMH7
50	9552004.346	574192.491	17.626	NAIVASMH7
51	9552003.778	574192.347	17.565	NAIVASMH7
52	9552021.903	574199.125	17.498	NAIVASMH8
53	9552022.422	574199.231	17.492	NAIVASMH8
54	9552022.496	574198.785	17.476	NAIVASMH8
55	9552022.010	574198.685	17.480	NAIVASMH8
56	9552013.754	574204.889	17.485	NAIVASMH9
57	9552013.221	574204.773	17.483	NAIVASMH9
58	9552013.276	574204.329	17.551	NAIVASMH9
59	9552013.782	574204.426	17.547	NAIVASMH9
60	9552027.058	574207.901	17.518	NAIVASMH10
61	9552027.707	574208.223	17.508	NAIVASMH10
62	9552033.392	574201.410	17.493	NAIVASMH11
63	9552032.715	574201.131	17.502	NAIVASMH11
64	9552032.310	574202.072	17.506	NAIVASMH11
65	9552032.977	574202.341	17.499	NAIVASMH11
66	9551845.943	574168.841	18.402	NAIVASMH12
67	9551845.385	574168.577	18.365	NAIVASMH12
68	9551845.591	574168.046	18.340	NAIVASMH12
69	9551846.173	574168.245	18.336	NAIVASMH12
70	9551833.688	574162.721	18.279	NAIVASMH13

71	9551833.958	574162.043	18.280	NAIVASMH13
72	9551833.306	574161.752	18.286	NAIVASMH13
73	9551833.034	574162.438	18.272	NAIVASMH13
74	9551825.341	574159.169	18.261	NAIVASMH14
75	9551825.451	574158.901	18.262	NAIVASMH14
76	9551824.991	574158.663	18.272	NAIVASMH14
77	9551824.836	574158.988	18.265	NAIVASMH14
78	9551809.944	574153.169	18.438	NAIVASMH15
79	9551809.489	574152.996	18.462	NAIVASMH15
80	9551809.572	574152.684	18.404	NAIVASMH15
81	9551810.060	574152.875	18.382	NAIVASMH15
82	9551809.887	574154.303	18.561	NAIVASMH15
83	9551809.892	574154.305	18.562	NAIVASMH16
84	9551809.645	574154.807	18.614	NAIVASMH16
85	9551810.340	574155.186	18.617	NAIVASMH16
86	9551810.596	574154.612	18.560	NAIVASMH16
87	9551790.600	574146.660	18.617	NAIVASMH17
88	9551790.535	574147.117	18.617	NAIVASMH17
89	9551791.150	574147.217	18.620	NAIVASMH17
90	9551791.200	574146.757	18.620	NAIVASMH17

Telkom Manholes

A8-2B4	9552032.471	574032.059	20.128	A8-1MH1
A8-2B5	9552032.757	574031.590	20.180	A8-1MH1
A8-2B6	9552031.686	574031.604	20.232	A8-1MH1
A8-2B7	9552025.758	574036.779	20.044	A8-1MH2
A8-2B8	9552025.541	574036.419	19.989	A8-1MH2
A8-2B9	9552025.156	574037.115	20.097	A8-1MH2
A8-2B10	9552025.013	574036.787	20.061	A8-1MH2
A8-2B11	9551971.462	574079.611	19.848	A8-1MH3
A8-2B12	9551972.179	574079.167	19.870	A8-1MH3
A8-2B13	9551971.496	574079.626	19.955	A8-1MH3
A8-2B14	9551972.081	574078.317	19.799	A8-1MH3
A8-2B15	9551956.496	574091.395	19.745	A8-1MH3
A8-2B16	9551955.959	574091.373	19.580	A8-1MH4
A8-2B17	9551957.138	574090.386	19.618	A8-1MH4
A8-2B18	9551956.253	574090.383	19.643	A8-1MH4
TELCOM 5	9552286.144	573880.490	18.662	A8-1MH6
TELCOM 6	9552286.735	573879.804	18.659	A8-1MH6
TELCOM 7	9552285.517	573879.946	18.714	A8-1MH6
TELCOM 8	9552286.083	573879.449	18.603	A8-1MH6
TELCOM 9	9552350.042	573833.565	18.297	A8-1MH7
TELCOM 10	9552349.607	573833.988	18.233	A8-1MH7
TELCOM 11	9552349.868	573834.591	18.270	A8-1MH7
TELCOM 12	9552350.352	573834.288	18.214	A8-1MH7
TELCOM 14	9552505.275	573726.333	18.264	A8-1MH8
TELCOM 15	9552505.622	573725.658	18.197	A8-1MH8
TELCOM 16	9552505.406	573725.269	18.228	A8-1MH8
TELCOM 17	9552505.077	573725.378	18.273	A8-1MH8
TELCOM 18	9551897.441	573983.327	18.942	A8-1MH9

TELCOM 19	9551898.146	573984.670	19.073	A8-1MH9
TELCOM 20	9551897.578	573984.658	18.877	A8-1MH9
TELCOM 21	9551898.047	573983.434	18.969	A8-1MH9
TELCOM 22	9551898.218	574051.985	18.890	A8-1MH10
TELCOM 23	9551898.215	574053.058	19.028	A8-1MH10
TELCOM 24	9551898.889	574053.350	19.001	A8-1MH10
TELCOM 25	9551898.947	574052.017	19.003	A8-1MH10
TELCOM 26	9551899.669	574125.060	18.703	A8-1MH11
TELCOM 27	9551900.398	574125.105	18.760	A8-1MH11
TELCOM 28	9551900.392	574126.524	18.803	A8-1MH11
TELCOM 29	9551899.690	574126.495	18.721	A8-1MH11

Liquid Manholes

MH28L	9552144.985	574005.293	19.036	MH28 LIQUID
	9552145.031	574006.326	19.642	MH28 LIQUID
	9552144.323	574006.403	19.579	MH28 LIQUID
	9552144.112	574005.501	19.716	MH28 LIQUID
MH29L	9551783.099	574407.420	18.487	LIQUID MH29
	9551783.752	574407.938	18.500	LIQUID MH29
	9551784.462	574407.246	18.497	LIQUID MH29

A8-2

Powerposts

P 20	9552036.043	574045.834	19.855	Powerpost
P 21	9552036.566	574045.490	19.857	Powerpost
P 22	9552046.292	574051.449	19.709	Powerpost
P 23	9552006.304	574029.706	19.863	Powerpost
P 24	9552087.553	574006.298	20.110	Powerpost
P 25	9552083.044	573997.506	19.869	Powerpost
P 26	9552109.685	573999.675	20.226	Powerpost
P 27	9552112.309	573999.388	20.367	Powerpost
P 28	9552137.711	573991.118	20.044	Powerpost
P 29	9552140.120	573959.312	19.322	Powerpost
P 30	9552140.409	573959.806	19.337	Powerpost
P 31	9552133.169	573951.525	19.101	Powerpost
P 32	9552129.399	573947.337	19.126	Powerpost
P 33	9552105.905	573934.971	19.076	Powerpost
P 34	9552111.533	573921.601	18.853	Powerpost
P 35	9552105.336	573921.034	18.690	Powerpost
P 36	9552105.757	573919.051	18.772	Powerpost
P 37	9552087.548	573902.101	18.499	Powerpost
P 38	9552087.045	573901.106	18.491	Powerpost
P 39	9552087.416	573899.399	19.143	Powerpost
P 40	9552052.789	573887.308	18.318	Powerpost
P 41	9552048.754	573875.655	18.074	Powerpost
P 42	9552036.065	573879.133	17.980	Powerpost
P 43	9552027.101	573863.774	17.718	Powerpost
P 44	9552011.962	573865.136	17.713	Powerpost
P 45	9552010.383	573864.195	17.634	Powerpost

P 46	9551999.090	573847.355	17.758	Powerpost
P 47	9551998.228	573847.184	17.930	Powerpost
P 48	9552018.787	573846.501	17.850	Powerpost
P 49	9552043.001	573911.691	18.365	Powerpost
P 50	9552145.628	574009.114	19.428	Powerpost
P 51	9552181.123	574021.066	19.242	Powerpost
P52	9552223.387	574032.917	18.779	Powerpost
P53	9552276.323	574054.196	18.160	Powerpost
P54	9552267.078	574064.972	18.489	Powerpost
P55	9552265.638	574066.627	18.429	Powerpost
P56	9552282.179	574093.276	18.300	Powerpost
P57	9552304.725	574059.787	18.400	Powerpost
P 58	9552305.185	574060.052	18.394	Powerpost
P 59	9552118.623	574040.496	19.287	Powerpost
P 60	9552109.676	574052.475	18.879	Powerpost
P 61	9552089.981	574079.673	18.579	Powerpost
P 62	9552074.030	574107.160	18.385	Powerpost
P 63	9552070.226	574119.780	18.135	Powerpost
P 63A	9552051.748	574149.168	17.987	Powerpost
P 64	9552191.082	573985.680	19.732	Powerpost
P 65	9552187.122	573976.334	19.785	Powerpost
P 66	9552213.824	573955.077	19.676	Powerpost
P 67	9552215.554	573953.579	19.659	Powerpost
P 68	9552227.566	573960.152	19.407	Powerpost
P 69	9552228.302	573960.679	19.441	Powerpost
P 70	9552236.445	573936.571	19.580	Powerpost
P 71	9552238.255	573934.978	19.401	Powerpost
P 72	9552276.114	573922.693	18.872	Powerpost
P 73	9552275.680	573922.519	18.841	Powerpost
P 74	9552286.607	573895.168	18.904	Powerpost
P 75	9552288.519	573893.412	18.807	Powerpost
P 76	9552258.540	573852.219	18.105	Powerpost
P 77	9552342.490	573856.459	18.566	Powerpost
P 78	9552363.408	573841.684	18.388	Powerpost

Street Lights

SL 19	9552028.024	574067.059	19.415	Street Light
SL 20	9552034.402	574032.357	19.550	Street Light
SL 21	9552058.378	574013.929	19.733	Street Light
SL 22	9552075.287	574030.563	19.675	Street Light
SL 23	9552081.007	573996.331	19.995	Street Light

Internet Posts

IP1	9552173.345	574000.530	19.647	Internet Post
IP2	9552209.241	574026.441	18.761	Internet Post
IP3	9552252.128	574046.269	18.314	Internet Post
IP4	9552235.198	573937.444	19.524	Internet Post
IP5	9552309.092	573880.166	18.804	Internet Post

Billboards

BB 4	9552176.137	573980.173	19.934	Billboard
BB 5	9552221.714	573933.929	19.369	Billboard
BB 6	9552238.420	573919.160	19.141	Billboard
BB 7	9552263.283	573935.633	19.037	Billboard
BB 7	9552262.097	573934.581	19.080	Billboard
BB 8	9552289.866	573907.960	18.750	Billboard
BB 9	9552315.568	573888.633	18.493	Billboard

Traffic/Road Signs

TS 1	9552139.497	573958.861	19.294	Traffic Sign
TS 2	9552162.513	574008.085	19.426	Traffic Sign
TS 3	9552280.828	574079.900	18.289	Traffic Sign
TS 4	9552194.867	573970.726	19.782	Traffic Sign
TS 5	9552243.634	573945.988	19.537	Traffic Sign
TS 6	9552224.854	573931.606	19.267	Traffic Sign
TS 7	9552273.450	573879.366	18.614	Traffic Sign
TS 15	9552052.669	574018.946	19.718	Traffic Sign
TS 17	9552127.190	573994.106	20.157	Traffic Sign
TS 26	9552105.398	574000.137	20.165	Traffic Sign

CCTV

CCTV 2	9552193.669	573985.688	19.724	CCTV
CCTV 1	9552229.600	573926.470	19.331	CCTV

Safaricom Manholes

MHSF2	9552166.695	574011.919	19.349	Safaricom Manhole
MHSF2	9552166.504	574012.123	19.351	Safaricom Manhole
MHSF2	9552166.301	574012.766	19.412	Safaricom Manhole
MHSF2	9552165.754	574012.552	19.354	Safaricom Manhole
MHSF2	9552166.057	574012.350	19.478	Safaricom Manhole
MHSF3	9552245.255	573948.213	19.393	Safaricom Manhole
MHSF3	9552244.687	573947.647	19.369	Safaricom Manhole
MHSF3	9552245.430	573948.309	19.407	Safaricom Manhole
MHSF3	9552244.728	573948.669	19.395	Safaricom Manhole
MHSF3	9552244.933	573948.229	19.391	Safaricom Manhole
MHSF4	9552336.970	573878.376	18.377	Safaricom Manhole
MHSF4	9552336.497	573877.783	18.334	Safaricom Manhole
MHSF4	9552337.100	573877.276	18.327	Safaricom Manhole
MHSF4	9552337.576	573877.735	18.363	Safaricom Manhole
MHSF5	9552298.810	573903.613	18.617	Safaricom Manhole
MHSF5	9552299.573	573903.800	18.668	Safaricom Manhole
MHSF5	9552299.254	573902.631	18.597	Safaricom Manhole
MHSF5	9552300.076	573903.126	18.703	Safaricom Manhole
MHSF5	9552299.530	573903.095	18.630	Safaricom Manhole

Water Valve Manholes

Valve1	9552525.505	573745.261	18.670	Water Valve Manhole
Valve1	9552526.228	573746.108	18.656	Water Valve Manhole
Valve1	9552524.668	573745.989	18.654	Water Valve Manhole
Valve1	9552525.356	573746.711	18.689	Water Valve Manhole

Valve1	9552525.208	573745.612	18.628	Water Valve Manhole
Valve 2	9552117.588	574009.938	19.954	Water Valve Manhole
Valve 2	9552117.690	574011.383	19.950	Water Valve Manhole
Valve 2	9552118.506	574009.745	19.963	Water Valve Manhole
Valve 2	9552118.630	574011.195	20.040	Water Valve Manhole
Valve 2	9552117.533	574010.605	19.998	Water Valve Manhole

Storm Water Manholes

MH77-BLOCKED	9552336.734	573873.263	18.006	Storm Water Manhole
MH77-BLOCKED	9552337.293	573872.893	17.986	Storm Water Manhole
MH77-BLOCKED	9552337.055	573872.482	18.004	Storm Water Manhole
MH77-BLOCKED	9552336.467	573872.720	18.007	Storm Water Manhole
MH78-1.36	9552319.830	573858.135	18.331	Storm Water Manhole
MH78-1.36	9552320.101	573858.501	18.348	Storm Water Manhole
MH78-1.36	9552320.503	573858.221	18.327	Storm Water Manhole
MH78-1.36	9552320.251	573857.869	18.358	Storm Water Manhole
MH93-BLOCKED	9552276.540	573916.921	18.542	Storm Water Manhole
MH93-BLOCKED	9552276.115	573917.249	18.542	Storm Water Manhole
MH93-BLOCKED	9552276.429	573917.643	18.535	Storm Water Manhole
MH93-BLOCKED	9552276.869	573917.283	18.529	Storm Water Manhole
MH94-0.9	9552272.090	574052.947	18.273	Storm Water Manhole
MH94-0.9	9552272.357	574051.908	18.300	Storm Water Manhole
MH94-0.9	9552271.441	574051.707	18.307	Storm Water Manhole
MH94-0.9	9552271.362	574051.958	18.378	Storm Water Manhole
MH94-0.9	9552270.498	574051.745	18.270	Storm Water Manhole
MH94-0.9	9552270.284	574052.537	18.249	Storm Water Manhole
MH95-SEALED	9552279.343	574053.922	18.172	Storm Water Manhole
MH95-SEALED	9552279.939	574054.161	18.175	Storm Water Manhole
MH95-SEALED	9552280.185	574053.562	18.130	Storm Water Manhole
MH95-SEALED	9552279.574	574053.422	18.128	Storm Water Manhole
MH96-BLOCKED	9552034.714	574061.303	19.459	Storm Water Manhole
MH96-BLOCKED	9552034.438	574060.923	19.468	Storm Water Manhole
MH96-BLOCKED	9552033.585	574061.615	19.454	Storm Water Manhole
MH97-BLOCKED	9552035.987	574032.331	19.359	Storm Water Manhole
MH97-BLOCKED	9552036.354	574032.713	19.473	Storm Water Manhole
MH97-BLOCKED	9552036.893	574032.240	19.471	Storm Water Manhole
MH97-BLOCKED	9552036.494	574031.968	19.319	Storm Water Manhole
MH99-BLOCKED	9552123.731	573984.201	19.736	Storm Water Manhole
MH99-BLOCKED	9552124.371	573984.005	19.757	Storm Water Manhole
MH99-BLOCKED	9552124.409	573984.267	19.727	Storm Water Manhole
MH99-BLOCKED	9552123.869	573984.410	19.707	Storm Water Manhole
MH98-BLOCKED	9552096.044	573992.537	19.664	Storm Water Manhole
MH98-BLOCKED	9552096.242	573993.289	19.677	Storm Water Manhole
MH98-BLOCKED	9552097.001	573993.125	19.641	Storm Water Manhole
MH98-BLOCKED	9552096.759	573992.368	19.621	Storm Water Manhole
MH100-BLOCKED	9552168.664	573970.632	19.500	Storm Water Manhole
MH100-BLOCKED	9552168.850	573971.124	19.428	Storm Water Manhole
MH100-BLOCKED	9552169.343	573970.999	19.435	Storm Water Manhole
MH100-BLOCKED	9552169.214	573970.533	19.428	Storm Water Manhole

Telkom Manholes

MH1T	9552032.471	574032.059	20.128	Telkom Manhole
MH1T	9552032.757	574031.590	20.180	Telkom Manhole
MH1T	9552031.686	574031.604	20.232	Telkom Manhole
MH2T	9552025.758	574036.779	20.044	Telkom Manhole
MH2T	9552025.541	574036.419	19.989	Telkom Manhole
MH2T	9552025.156	574037.115	20.097	Telkom Manhole
MH2T	9552025.013	574036.787	20.061	Telkom Manhole
MH3T	9551971.462	574079.611	19.848	Telkom Manhole
MH3T	9551972.179	574079.167	19.870	Telkom Manhole
MH3T	9551971.496	574079.626	19.955	Telkom Manhole
MH3T	9551972.081	574078.317	19.799	Telkom Manhole
MH3T	9551956.496	574091.395	19.745	Telkom Manhole
MH4T	9551955.959	574091.373	19.580	Telkom Manhole
MH4T	9551957.138	574090.386	19.618	Telkom Manhole
MH4T	9551956.253	574090.383	19.643	Telkom Manhole
MH5T	9552160.966	574008.083	19.403	Telkom Manhole
MH5T	9552162.506	574008.274	19.493	Telkom Manhole
MH5T	9552162.478	574008.868	19.329	Telkom Manhole
MH5T	9552160.923	574008.708	19.436	Telkom Manhole
MH6T	9552286.144	573880.490	18.662	Telkom Manhole
MH6T	9552286.735	573879.804	18.659	Telkom Manhole
MH6T	9552285.517	573879.946	18.714	Telkom Manhole
MH6T	9552286.083	573879.449	18.603	Telkom Manhole
MH7T	9552350.042	573833.565	18.297	Telkom Manhole
MH7T	9552349.607	573833.988	18.233	Telkom Manhole
MH7T	9552349.868	573834.591	18.270	Telkom Manhole
MH7T	9552350.352	573834.288	18.214	Telkom Manhole

Liquid Manholes

MH26L	9552467.381	573784.056	17.830	MH26 LIQUID
	9552467.774	573784.646	17.812	MH26 LIQUID
	9552467.283	573785.088	17.873	MH26 LIQUID
	9552466.817	573784.508	17.890	MH26 LIQUID
MH27L	9552303.954	573897.610	18.431	MH27 LIQUID
	9552304.441	573897.356	18.443	MH27 LIQUID
	9552304.136	573896.756	18.468	MH27 LIQUID
	9552303.617	573897.167	18.473	MH27 LIQUID
MH28L	9552144.985	574005.293	19.036	MH28 LIQUID
	9552145.031	574006.326	19.642	MH28 LIQUID
	9552144.323	574006.403	19.579	MH28 LIQUID
	9552144.112	574005.501	19.716	MH28 LIQUID
MH108L	9552349.728	573871.645	18.378	LIQUID 108
	9552350.626	573872.072	18.397	LIQUID 108
	9552349.757	573872.591	18.382	LIQUID 108

Powerposts

P 1	9552637.553	573650.310	18.781	PPC 1
P 2	9552639.956	573648.899	18.736	PPC 2
P 3	9552631.789	573640.776	18.381	PPC 3
P 4	9552647.551	573662.424	18.194	PPC 4
P 5	9552666.682	573630.707	18.750	PPS 5
P 6	9552690.986	573631.846	18.618	PPW 6
P 7	9552692.018	573632.101	18.584	PPW 7
P 8	9552723.815	573591.195	19.012	PPS 8
P 9	9552698.333	573553.810	18.705	PPS 9
P 10	9552710.721	573547.792	18.884	PPW 10
P 11	9552671.948	573515.828	19.011	PPS TS 11
P 12	9552670.598	573513.654	19.078	PPS TS 12
P 13	9552644.290	573476.247	19.211	PPS 13
P 14	9552643.946	573475.853	19.368	PPW 14
P 15	9552616.694	573436.443	19.619	PPW 15
P 16	9552749.751	573613.421	18.700	PPW 16
P 17	9552754.316	573635.198	18.189	PPC 17
P 18	9552762.010	573646.433	17.977	PPW 18
P 19	9552774.443	573648.504	18.039	PPW 19
P 20	9552783.012	573659.505	18.103	PPC 20
P 21	9552783.458	573677.155	18.015	PPC 21
P 22	9552801.828	573686.394	17.866	PPW 22
P 23	9552802.278	573703.668	17.687	PPW 23
P 24	9552817.793	573711.020	17.441	PPC 24
P 25	9552835.386	573734.215	21.310	PPC 25
P 26	9552738.667	573566.207	18.946	PPW 26
P 27	9552753.705	573570.714	19.251	PPC 27
P 28	9552755.291	573569.764	19.338	PPC 28
P 29	9552760.698	573565.945	19.336	PPS 29
P 30	9552785.357	573548.868	19.410	PPW 30
P 31	9552787.298	573547.866	19.523	PPW 31
P 32	9552781.252	573538.312	19.241	PPW 32
P 33	9552798.863	573565.690	19.047	PPS 33
P 34	9552796.905	573519.434	19.261	PPS 34
P 35	9552813.599	573529.517	19.715	PPS 35
P 36	9552833.347	573529.955	19.600	PPW 36
P 37	9552819.906	573504.348	19.529	PPC 37
P 38	9552855.367	573485.730	19.702	PPW 38
P 39	9552863.966	573494.275	20.018	PPS 39
P 40	9552865.705	573507.924	19.711	PPW 40
P 33A	9552608.059	573670.946	18.483	PPS 33 A

Low Voltage Building Connections

1	9552663.589	573618.338	18.653	LV Building Connection
2	9552673.777	573611.962	18.612	LV Building Connection
3	9552683.828	573604.056	18.661	LV Building Connection
4	9552711.788	573579.339	18.705	LV Building Connection
5	9552659.656	573484.462	18.800	LV Building Connection
6	9552658.000	573482.226	18.822	LV Building Connection

7	9552756.824	573623.342	18.213	LV Building Connection
8	9552789.393	573666.960	17.911	LV Building Connection
9	9552827.344	573721.755	17.723	LV Building Connection

Street Lights				
SL 1	9552813.545	573543.326	19.297	Street Light
SL 2	9552836.699	573495.148	19.440	Street Light
SL 3	9552848.975	573488.553	19.754	Street Light
SL 4	9552863.036	573509.375	19.662	Street Light

Internet Posts				
IP1	9552670.382	573643.747	18.404	IPW 1
IP2	9552725.272	573590.462	18.967	IPW 2
IP3	9552759.189	573623.155	18.417	IPW 3
IP4	9552778.315	573654.974	18.051	IPW 4
IP5	9552819.213	573711.335	17.701	IPW 5
IP6	9552827.112	573723.411	17.456	IPW 6

Safaricom Manholes

MHSF1	9552656.266	573653.194	18.250	Safaricom Manholes
MHSF1	9552656.659	573653.580	18.308	Safaricom Manholes
MHSF1	9552655.773	573653.790	18.308	Safaricom Manholes
MHSF1	9552656.238	573653.973	18.325	Safaricom Manholes
MHSF2	9552527.624	573743.465	18.127	Safaricom Manholes
MHSF2	9552528.001	573743.098	18.165	Safaricom Manholes
MHSF2	9552528.621	573743.346	18.134	Safaricom Manholes
MHSF2	9552528.287	573744.169	18.154	Safaricom Manholes
MHSF2	9552528.373	573743.796	18.202	Safaricom Manholes
MHSF3	9552749.222	573589.678	18.866	Safaricom Manholes
MHSF3	9552749.348	573589.983	18.815	Safaricom Manholes
MHSF3	9552750.021	573589.814	18.840	Safaricom Manholes
MHSF3	9552750.089	573589.626	18.889	Safaricom Manholes
MHSF3	9552749.873	573589.545	18.881	Safaricom Manholes
MHSF7	9552958.230	573430.731	21.005	Safaricom Manholes
MHSF7	9552958.587	573430.419	21.069	Safaricom Manholes
MHSF7	9552959.255	573430.803	21.266	Safaricom Manholes
MHSF7	9552958.697	573431.460	21.274	Safaricom Manholes
MHSF7	9552958.543	573430.670	20.943	Safaricom Manholes
MHFS8	9552788.736	573562.374	19.052	Safaricom Manholes
MHFS8	9552789.291	573562.808	19.139	Safaricom Manholes
MHFS8	9552788.495	573563.294	19.092	Safaricom Manholes
MHFS8	9552789.069	573563.647	19.132	Safaricom Manholes
MHFS8	9552788.978	573563.167	19.106	Safaricom Manholes

Storm Water Manholes

1	9552893.067	573456.484	19.984	MH1
2	9552892.500	573456.939	19.984	MH1
3	9552892.119	573456.554	19.918	MH1
4	9552892.718	573456.021	19.899	MH1
5	9552871.703	573474.498	19.579	MH2BLOCKED

6	9552871.302	573474.814	19.572	MH2BLOCKED
7	9552871.044	573474.507	19.572	MH2BLOCKED
8	9552871.433	573474.189	19.580	MH2BLOCKED
9	9552848.022	573493.476	19.382	MH3
10	9552847.760	573493.068	19.336	MH3
11	9552847.345	573493.387	19.339	MH3
12	9552847.629	573493.785	19.426	MH3
13	9552847.684	573493.451	19.307	MH3-0.98M
14	9552827.405	573507.704	19.231	MH4-BLOCKED
15	9552827.180	573507.299	19.213	MH4-BLOCKED
16	9552826.681	573507.613	19.174	MH4-BLOCKED
17	9552826.938	573508.000	19.218	MH4-BLOCKED
18	9552801.947	573524.669	19.035	MH5-1.1
19	9552802.246	573525.030	19.086	MH5-1.1
20	9552801.810	573525.373	19.087	MH5-1.1
21	9552801.539	573524.975	19.038	MH5-1.1
22	9552778.944	573541.116	18.941	MH5-BLOCKED
23	9552778.460	573541.464	18.984	MH5-BLOCKED
24	9552778.146	573541.080	18.922	MH5-BLOCKED
25	9552778.671	573540.767	18.900	MH6-BLOCKED
26	9552755.267	573557.458	18.852	MH7
27	9552754.966	573556.988	18.776	MH7
28	9552754.516	573557.304	18.744	MH7
29	9552754.826	573557.718	18.853	MH7
30	9552754.907	573557.301	18.752	MH7-0.97
31	9552748.995	573558.302	19.128	MH9-SEALED
32	9552749.700	573557.794	19.158	MH9-SEALED
33	9552749.258	573557.114	19.199	MH9-SEALED
34	9552748.475	573557.587	19.195	MH9-SEALED
35	9552735.375	573571.104	18.583	MH9-1.04
36	9552734.952	573571.415	18.568	MH9-1.04
37	9552734.719	573571.041	18.568	MH9-1.04
38	9552735.125	573570.761	18.550	MH9-1.04
39	9552715.887	573566.427	18.455	MH10-1.58
40	9552716.244	573566.152	18.403	MH10-1.58
41	9552715.939	573565.783	18.414	MH10-1.58
42	9552715.596	573566.027	18.471	MH10-1.58
43	9552707.631	573553.971	18.452	MH11-0.9
44	9552707.212	573554.199	18.494	MH11-0.9
45	9552706.525	573553.267	18.524	MH11-0.9
46	9552706.952	573552.924	18.501	MH11-0.9
47	9552708.055	573552.252	18.791	MH12-2.35
48	9552708.718	573553.189	18.810	MH12-2.35
49	9552709.459	573552.741	18.735	MH12-2.35
50	9552708.805	573551.673	18.793	MH12-2.35
51	9552701.098	573543.928	18.420	MH14
52	9552701.303	573544.233	18.414	MH14
53	9552701.494	573543.893	18.413	MH14
54	9552701.511	573544.067	18.180	MH14-INV
55	9552679.396	573512.816	18.564	MH15

56	9552679.641	573512.934	18.563	MH15
57	9552679.426	573512.558	18.573	MH15
58	9552679.834	573512.855	18.338	MH15-INV
59	9552658.590	573482.238	18.352	MH16-INV
60	9552658.567	573481.903	18.841	MH16
61	9552658.623	573482.313	18.785	MH16
62	9552658.267	573481.924	18.819	MH16
63	9552709.901	573569.874	18.371	MH17
64	9552710.286	573569.603	18.444	MH17
65	9552711.002	573570.623	18.443	MH17
66	9552710.653	573570.900	18.373	MH17
67	9552710.511	573570.245	18.396	MH17-1.18
68	9552706.944	573590.119	18.519	MH17-BLOCKED
69	9552707.178	573590.533	18.507	MH17-BLOCKED
70	9552706.788	573590.767	18.475	MH17-BLOCKED
71	9552706.586	573590.413	18.525	MH17-BLOCKED
72	9552685.167	573605.176	18.462	MH19-BLOCKED
73	9552685.493	573605.579	18.562	MH19-BLOCKED
74	9552685.007	573605.931	18.564	MH19-BLOCKED
75	9552684.749	573605.592	18.529	MH19-BLOCKED
76	9552664.773	573619.339	18.253	MH20-BLOCKED
77	9552665.015	573619.644	18.223	MH20-BLOCKED
78	9552664.583	573619.964	18.212	MH20-BLOCKED
79	9552664.363	573619.642	18.239	MH20-BLOCKED
80	9552657.136	573622.186	18.584	MH21-SEALED
81	9552657.884	573621.774	18.596	MH21-SEALED
82	9552643.706	573633.813	18.232	MH22-BLOCKED
83	9552643.982	573634.124	18.231	MH22-BLOCKED
84	9552643.421	573634.531	18.232	MH22-BLOCKED
85	9552643.137	573634.159	18.179	MH22-BLOCKED
86	9552621.765	573648.933	18.052	MH23
87	9552621.352	573649.213	18.148	MH23
88	9552621.635	573649.280	18.284	MH23-0.96
89	9552599.727	573664.130	18.138	MH24BLOCKED
90	9552599.012	573664.582	18.079	MH24BLOCKED
91	9552599.299	573664.953	18.070	MH24BLOCKED
92	9552590.776	573666.194	18.322	MH25-SEALED
93	9552591.344	573665.803	18.379	MH25-SEALED
94	9552591.010	573665.241	18.328	MH25-SEALED
95	9552590.452	573665.686	18.326	MH25-SEALED
96	9552584.014	573673.493	18.053	MH26-SEALED
97	9552583.739	573673.090	18.046	MH26-SEALED
98	9552583.305	573673.363	18.050	MH26-SEALED
99	9552583.551	573673.760	18.053	MH26-SEALED
100	9552604.475	573686.696	17.919	MH27
101	9552604.144	573686.307	17.984	MH27
102	9552604.615	573685.953	17.980	MH27
103	9552604.884	573686.404	17.900	MH27
104	9552604.577	573686.326	17.917	MH27-1.12
105	9552631.465	573667.468	17.940	MH28-1.03

106	9552631.887	573667.182	17.963	MH28-1.03
107	9552632.164	573667.565	17.906	MH28-1.03
108	9552631.748	573667.866	17.899	MH28-1.03
109	9552658.323	573649.591	18.011	MH28-BLOCKED
110	9552658.055	573649.228	18.024	MH28-BLOCKED
111	9552658.461	573648.911	18.054	MH28-BLOCKED
112	9552658.761	573649.307	18.023	MH28-BLOCKED
113	9552667.254	573644.003	18.367	MH30-SEALED
114	9552667.599	573644.515	18.412	MH30-SEALED
115	9552668.153	573643.444	18.335	MH30-SEALED
116	9552668.470	573643.952	18.358	MH30-SEALED
117	9552677.962	573636.002	18.133	MH31
118	9552677.703	573635.631	18.155	MH31
119	9552678.125	573635.324	18.162	MH31
120	9552678.388	573635.702	18.118	MH31-BLOCKED
121	9552697.879	573621.726	18.320	MH32-
122	9552698.314	573621.448	18.328	MH32-
123	9552698.564	573621.791	18.272	MH32-1.1
124	9552698.115	573622.090	18.249	MH32-1.1
125	9552718.032	573607.803	18.481	MH33
126	9552718.483	573607.496	18.482	MH33
127	9552718.747	573607.886	18.395	MH33-1.04
128	9552718.334	573608.163	18.411	MH33-1.04
129	9552745.347	573619.928	18.142	MH34-BLOCKED
130	9552745.678	573620.336	18.130	MH34-BLOCKED
131	9552746.062	573620.058	18.178	MH34-BLOCKED
132	9552745.760	573619.639	18.182	MH34-BLOCKED
133	9552766.077	573649.665	17.845	MH35-BLOCKED
134	9552766.374	573650.099	17.780	MH35-BLOCKED
135	9552766.772	573649.820	17.851	MH35-BLOCKED
136	9552766.485	573649.403	17.849	MH35-BLOCKED
137	9552799.996	573698.495	17.511	MH36-BLOCKED
138	9552800.266	573698.944	17.498	MH36-BLOCKED
139	9552800.707	573698.663	17.563	MH36-BLOCKED
140	9552800.403	573698.221	17.536	MH36-BLOCKED
141	9552813.711	573718.288	17.436	MH37-0.7
142	9552814.096	573718.013	17.494	MH37-0.7
143	9552814.391	573718.452	17.477	MH37-0.7
144	9552813.986	573718.707	17.417	MH37-0.7
145	9552827.869	573738.580	17.393	MH38
146	9552828.215	573738.354	17.373	MH38-BLOCKED
147	9552828.506	573738.771	17.406	MH38-BLOCKED
148	9552828.136	573739.010	17.371	MH38-BLOCKED
149	9552849.931	573746.863	17.553	MH39-SEALED
150	9552850.366	573747.413	17.517	MH39-SEALED
151	9552851.049	573746.995	17.444	MH39-SEALED
152	9552832.852	573735.814	17.381	MH40
153	9552832.472	573735.437	17.374	MH40-0.95
154	9552832.853	573735.151	17.403	MH40-0.95
155	9552833.167	573735.533	17.389	MH40-0.95

156	9552813.900	573708.843	17.539	MH41-1.13
157	9552813.621	573708.388	17.515	MH41-1.13
158	9552814.258	573708.573	17.476	MH41-1.13
159	9552814.052	573708.105	17.435	MH41-1.13
160	9552796.147	573683.184	17.592	MH42-0.92
161	9552795.888	573682.779	17.570	MH42-0.92
162	9552796.302	573682.487	17.538	MH42-0.92
163	9552796.562	573682.922	17.523	MH42-0.92
164	9552779.094	573657.678	17.714	MH43-BLOCKED
165	9552778.723	573657.961	17.747	MH43-BLOCKED
166	9552778.356	573657.488	17.744	MH43-BLOCKED
167	9552778.753	573657.226	17.686	MH43-BLOCKED
168	9552743.988	573607.290	18.226	MH44-BLOCKED
169	9552743.719	573606.819	18.228	MH44-BLOCKED
170	9552743.319	573607.121	18.233	MH44-BLOCKED
171	9552743.619	573607.535	18.235	MH44-BLOCKED
172	9552745.114	573592.689	18.691	MH45-SEALED
173	9552745.581	573593.300	18.719	MH45-SEALED
174	9552746.194	573591.896	18.744	MH45-SEALED
175	9552754.470	573583.262	18.599	MH46
176	9552754.252	573582.868	18.597	MH46
177	9552754.645	573582.576	18.705	MH46
178	9552754.889	573582.957	18.548	MH46
179	9552754.527	573582.903	18.565	MH46-0.78M
180	9552780.145	573565.638	18.795	MH47
181	9552780.572	573565.313	18.793	MH47
182	9552780.295	573564.863	18.907	MH47
183	9552835.784	573527.236	19.079	MH48
184	9552835.516	573526.868	19.095	MH48
185	9552835.949	573526.555	19.110	MH48
186	9552836.212	573526.927	19.088	MH48-0.7M
187	9552861.211	573509.042	19.327	MH49-1.15M
188	9552861.600	573508.762	19.295	MH49-1.15M
189	9552861.848	573509.115	19.279	MH49-1.15M
190	9552861.447	573509.379	19.329	MH49-1.15M
191	9552884.340	573491.250	19.400	MH50-COULD NOT BE MEASURED
192	9552884.694	573490.934	19.354	MH50-COULD NOT BE MEASURED

IS Manholes

IS MH 7	9552517.669	573766.884	18.052	IS Manhole
IS MH 7	9552518.063	573767.170	18.042	IS Manhole
IS MH 7	9552517.787	573767.764	18.076	IS Manhole
IS MH 7	9552517.247	573767.362	18.080	IS Manhole
IS MH 7	9552695.963	573627.283	18.640	IS Manhole
IS MH 8	9552695.967	573627.277	18.636	IS Manhole
IS MH 8	9552696.474	573626.892	18.672	IS Manhole
IS MH 8	9552696.879	573627.303	18.731	IS Manhole
IS MH 8	9552696.312	573627.712	18.624	IS Manhole
IS MH 9	9552862.028	573511.129	19.663	IS Manhole
IS MH 9	9552861.501	573511.535	19.613	IS Manhole

IS MH 9	9552861.818	573511.946	19.766	IS Manhole
IS MH 9	9552862.291	573511.539	19.827	IS Manhole

Telkom Manholes

MH8T	9552505.275	573726.333	18.264	Telkom Manhole
MH8T	9552505.721	573726.285	18.197	Telkom Manhole
MH8T	9552505.406	573725.269	18.228	Telkom Manhole
MH8T	9552505.077	573725.378	18.273	Telkom Manhole
MH9T	9552801.325	572940.028	21.644	Telkom Manhole
MH9T	9552802.184	572940.022	21.764	Telkom Manhole
MH9T	9552801.513	572942.622	21.716	Telkom Manhole
MH9T	9552802.348	572942.468	21.852	Telkom Manhole
MH10T	9552800.077	572943.993	21.673	Telkom Manhole
MH10T	9552800.637	572943.597	21.626	Telkom Manhole
MH10T	9552801.177	572944.429	21.708	Telkom Manhole
MH10T	9552800.865	572944.723	21.718	Telkom Manhole
MH11T	9552790.105	572909.573	21.736	Telkom Manhole
MH11T	9552790.098	572910.470	21.656	Telkom Manhole
MH11T	9552792.758	572910.487	21.889	Telkom Manhole
MH11T	9552792.723	572909.625	21.921	Telkom Manhole
MH11T	9552790.829	572910.341	21.016	Telkom Manhole
MH12T	9552784.247	572902.517	21.614	Telkom Manhole
MH12T	9552783.210	572902.542	21.631	Telkom Manhole
MH12T	9552783.247	572899.844	21.646	Telkom Manhole
MH12T	9552784.152	572900.022	21.699	Telkom Manhole
MH12T	9552783.587	572900.761	20.564	Telkom Manhole
MH13T	9552765.358	572943.011	21.778	Telkom Manhole
MH13T	9552766.235	572942.401	21.725	Telkom Manhole
MH13T	9552767.050	572945.286	21.802	Telkom Manhole
MH13T	9552767.873	572944.876	21.871	Telkom Manhole
MH13T	9552766.440	572943.960	20.423	Telkom Manhole
MH14T	9552804.226	572950.980	21.849	Telkom Manhole
MH14T	9552805.107	572949.921	21.971	Telkom Manhole
MH14T	9552803.267	572947.848	21.773	Telkom Manhole
MH14T	9552802.405	572948.430	21.722	Telkom Manhole
MH15	9552797.555	573524.048	19.292	Telkom Manhole
MH15	9552797.263	573523.521	19.287	Telkom Manhole
MH15	9552798.385	573522.727	19.317	Telkom Manhole
MH15	9552798.739	573523.297	19.318	Telkom Manhole
MH15	9552799.224	573522.880	19.311	Telkom Manhole
MH16	9552849.497	573488.740	19.693	Telkom Manhole
MH16	9552848.830	573489.194	19.680	Telkom Manhole
MH16	9552849.934	573490.527	19.648	Telkom Manhole
MH16	9552850.562	573490.037	19.641	Telkom Manhole
MH17	9552896.736	573449.906	20.193	Telkom Manhole
MH17	9552896.237	573450.354	20.173	Telkom Manhole
MH17	9552895.556	573449.811	20.239	Telkom Manhole
MH17	9552896.076	573449.323	20.156	Telkom Manhole
MH18	9552906.297	573435.864	20.442	Telkom Manhole
MH18	9552906.412	573435.544	20.428	Telkom Manhole

MH18	9552907.279	573435.485	20.451	Telkom Manhole
MH18	9552907.296	573436.065	20.478	Telkom Manhole
MH19	9552913.547	573434.114	20.592	Telkom Manhole
MH19	9552914.057	573433.719	20.616	Telkom Manhole
MH19	9552913.432	573433.485	20.821	Telkom Manhole
MH19	9552914.056	573433.109	20.535	Telkom Manhole
MH29	9552529.632	573763.061	17.970	Telkom Manhole
MH29	9552530.096	573762.426	17.979	Telkom Manhole
MH29	9552529.551	573761.910	17.974	Telkom Manhole
MH29	9552529.028	573762.411	17.950	Telkom Manhole
MH29	9552529.011	573761.465	17.992	Telkom Manhole
MH29	9552528.484	573761.939	18.006	Telkom Manhole

Liquid Manholes

MH20L	9552940.204	573444.297	20.789	LIQUID MH20
	9552940.890	573443.692	20.816	LIQUID MH20
	9552941.514	573444.343	20.792	LIQUID MH20
	9552940.837	573445.010	20.786	LIQUID MH20
MH21L	9552671.196	573643.874	18.447	MH21 LIQUID
	9552671.637	573644.634	18.493	MH21 LIQUID
	9552670.798	573645.214	18.483	MH21 LIQUID
	9552670.261	573644.501	18.409	MH21 LIQUID
	9552670.784	573644.695	17.288	INV
MH22L	9552586.028	573700.398	18.084	MH22 LIQUID
	9552586.510	573700.975	18.127	MH22 LIQUID
	9552585.928	573701.420	18.123	MH22 LIQUID
	9552585.478	573700.796	18.104	MH22 LIQUID
MH23L	9552569.637	573683.498	18.368	MH23 LIQUID
	9552570.112	573683.021	18.283	MH23 LIQUID
	9552569.706	573682.487	18.262	MH23 LIQUID
	9552569.137	573682.861	18.256	MH23 LIQUID

Water Valve Manholes

Valve 1	9552915.639	573467.997	20.380	MH1 A8-3
Valve 1	9552914.738	573468.806	20.396	MH1 A8-3
Valve 1	9552915.713	573469.812	20.387	MH1 A8-3
Valve 1	9552916.568	573469.161	20.389	MH1 A8-3
Valve 1	9552915.831	573468.637	20.379	MH1 A8-3 2.13M
Valve2	9552792.810	573561.960	19.371	MH2 A8-3
Valve2	9552791.860	573562.515	19.385	MH2 A8-3
Valve2	9552792.339	573563.410	19.417	MH2 A8-3
Valve2	9552793.260	573562.846	19.419	MH2 A8-3
Valve2	9552792.368	573562.751	17.917	MH2 A8-3 INV

Billboards				
BB 1	9552667.163	573644.902	18.373	Billboard
BB 2	9552694.543	573626.742	18.590	Billboard

BB 4	9552720.838	573569.591	18.666	Billboard
BB 8	9552857.558	573481.630	19.765	Billboard
BB 9	9552864.123	573479.417	19.839	Billboard

Traffic/Road Signs				
TS 1	9552647.981	573663.182	18.228	Traffic Signs
TS 2	9552687.738	573630.091	18.540	Traffic Signs
TS 3	9552720.204	573569.439	18.688	Traffic Signs
TS 4	9552712.763	573560.592	18.810	Traffic Signs
TS 4	9552740.380	573613.661	18.424	Traffic Signs
TS 5	9552767.692	573574.992	18.998	Traffic Signs
TS 6	9552749.079	573559.947	19.057	Traffic Signs
TS 7	9552798.742	573564.465	19.020	Traffic Signs
TS 8	9552613.720	573680.985	18.155	Traffic Signs
TS 8	9552801.778	573524.042	19.334	Traffic Signs
TS 9	9552817.033	573527.920	19.577	Traffic Signs
TS 10	9552825.411	573535.129	19.437	Traffic Signs
TS 11	9552828.735	573533.529	19.621	Traffic Signs
TS 12	9552817.914	573512.870	19.530	Traffic Signs

A8-4

Powerposts				
P1	9552909.066	573455.710	20.538	PPS TS 1
P2	9552911.133	573454.208	20.677	PPCTS 2
P3	9552917.912	573466.552	20.154	PPS 3
P4	9552917.790	573468.749	20.250	PPW 4
P5	9552917.185	573468.990	20.540	PPC 5
P6	9552934.916	573433.985	20.950	PPC 6
P7	9552964.340	573408.605	21.544	PPS 7
P8	9553015.753	573365.308	22.573	PPC 8
P9	9553017.198	573364.114	22.603	PPC 9
P10	9553019.234	573362.315	22.626	PPS 10
P11	9553018.495	573344.001	22.751	PPW 11
P12	9553040.561	573362.636	22.799	PPW 12
P13	9553058.890	573329.276	23.187	PPC 13
P14	9553124.147	573343.971	22.478	PPS 14
P15	9553125.799	573345.559	22.417	PPS 15
P16	9553136.446	573358.899	22.130	PPC 16
P17	9553137.576	573360.335	22.023	PPC 17
P18	9553142.138	573365.618	21.917	PPC 18
P19	9553143.870	573367.705	21.852	PPC 19
P20	9553118.896	573387.035	22.041	PPW 20
P21	9553157.657	573383.734	21.503	PPS 21
P22	9553155.927	573404.149	20.810	PPW 22
P23	9553174.035	573403.592	20.926	PPC 23
P24	9553190.731	573423.351	20.459	PPC 24
P25	9553208.310	573443.826	20.099	PPC 25
P26	9553225.600	573463.803	20.129	PPS 26
P27	9553227.480	573465.994	20.209	PPS 27
P29	9553128.018	573327.986	22.683	PPC 29

P30	9553090.261	573278.406	23.228	PPW 30
P31	9553060.861	573274.061	22.995	PPC 31
P32	9553037.620	573244.007	22.993	PPC 32
P33	9553002.536	573271.879	23.333	PPC 33
P34	9553047.807	573233.945	22.881	PPW 34
P35	9553038.449	573224.494	22.591	PPW 35
P36	9553005.693	573205.637	22.934	PPC 36
P37	9552978.903	573173.836	23.261	PPC 37
P38	9552959.370	573150.843	23.252	PPC 38
P39	9552932.102	573120.430	23.403	PPC 39
P40	9552930.811	573118.165	23.498	PPC 40
P41	9553132.670	573268.558	23.105	PPS41
P42	9553134.508	573267.349	23.091	PPC42
P43	9553154.795	573250.054	23.018	PPC 43
P44	9553175.505	573234.218	22.892	PPC 44
P45	9553177.543	573232.664	22.922	PPC 45
P46	9553158.041	573207.325	22.037	PPW 46
P47	9553197.333	573234.483	22.760	PPC 47
P48	9553198.159	573234.288	22.589	PPW 48
P49	9553200.306	573213.911	22.884	PPW 49
P50	9553201.134	573213.813	22.821	PPC 50
P51	9553224.196	573194.594	22.644	PPS 51
P52	9553267.210	573136.666	22.034	PPW 52
P53	9553287.711	573160.261	22.235	PPW 53
P54	9553275.935	573152.709	22.353	PPS 54
Street Lights				
SL 1	9553035.020	573333.961	22.989	Street Light
SL 2	9553053.796	573317.831	23.269	Street Light
SL 3	9553067.127	573302.281	23.208	Street Light
SL 4	9553072.943	573331.856	23.196	Street Light
SL 5	9553061.890	573341.726	23.039	Street Light
SL 6	9553086.167	573324.951	23.244	Street Light
SL 7	9553150.533	573395.057	20.984	Street Light
SL 8	9553180.574	573430.346	20.084	Street Light
SL9	9553216.209	573433.487	19.949	Street Light
SL 10	9553137.752	573341.363	22.328	Street Light
SL 11	9553117.805	573314.065	22.886	Street Light
SL 12	9553117.124	573296.815	22.895	Street Light
SL 13	9553122.745	573294.768	23.084	Street Light
SL 14	9553090.589	573281.144	23.065	Street Light

Internet Post

IP1	9552992.457	573384.330	22.114	IPS 1
IP2	9553114.129	573351.406	22.098	IPW 2
IP3	9553090.908	573278.339	23.229	IPW 3
IP4	9553070.290	573258.233	22.717	IPW 4
IP5	9553027.553	573214.530	22.603	IPW 5

Safaricom Manholes

MHSF1	9553346.047	573122.273	22.244	Safaricom Manhole
MHSF1	9553345.868	573121.441	22.239	Safaricom Manhole
MHSF1	9553346.357	573121.059	22.220	Safaricom Manhole
MHSF1	9553346.903	573121.604	22.225	Safaricom Manhole
MHSF1	9553346.389	573121.589	22.240	Safaricom Manhole
MHSF2	9553228.530	573209.830	22.390	Safaricom Manhole
MHSF2	9553227.853	573210.390	22.375	Safaricom Manhole
MHSF2	9553228.425	573211.039	22.378	Safaricom Manhole
MHSF2	9553229.112	573210.509	22.372	Safaricom Manhole
MHSF3	9553115.567	573298.388	22.995	Safaricom Manhole
MHSF3	9553115.723	573298.757	23.006	Safaricom Manhole
MHSF3	9553116.767	573298.595	23.043	Safaricom Manhole
MHSF3	9553116.641	573298.167	23.014	Safaricom Manhole
MHSF3	9553116.325	573298.282	23.026	Safaricom Manhole
MHSF4	9553165.109	573371.164	21.549	Safaricom Manhole
MHSF4	9553164.835	573370.282	21.551	Safaricom Manhole
MHSF4	9553164.185	573370.527	21.504	Safaricom Manhole
MHSF4	9553164.250	573371.270	21.500	Safaricom Manhole
MHSF4	9553164.379	573370.923	21.545	Safaricom Manhole
MHSF5	9553076.473	573328.577	23.113	Safaricom Manhole
MHSF5	9553076.893	573328.323	23.078	Safaricom Manhole
MHSF5	9553077.325	573328.619	23.092	Safaricom Manhole
MHSF5	9553077.063	573329.150	23.104	Safaricom Manhole
MHSF5	9553076.996	573328.847	23.148	Safaricom Manhole
MHSF6	9553003.786	573393.481	21.819	Safaricom Manhole
MHSF6	9553004.246	573394.129	21.891	Safaricom Manhole
MHSF6	9553004.975	573393.675	21.895	Safaricom Manhole
MHSF6	9553004.082	573392.952	21.912	Safaricom Manhole
MHSF6	9553004.275	573393.531	21.903	Safaricom Manhole
MHSF7	9552958.230	573430.731	21.005	Safaricom Manhole
MHSF7	9552958.587	573430.419	21.069	Safaricom Manhole
MHSF7	9552959.255	573430.803	21.266	Safaricom Manhole
MHSF7	9552958.697	573431.460	21.274	Safaricom Manhole
MHSF7	9552958.543	573430.670	20.943	Safaricom Manhole
MHFS8	9552788.736	573562.374	19.052	Safaricom Manhole
MHFS8	9552789.291	573562.808	19.139	Safaricom Manhole
MHFS8	9552788.495	573563.294	19.092	Safaricom Manhole
MHFS8	9552789.069	573563.647	19.132	Safaricom Manhole
MHFS8	9552788.978	573563.167	19.106	Safaricom Manhole
MHSF9	9552943.059	573412.257	21.125	Safaricom Manhole
MHSF9	9552943.704	573411.613	21.077	Safaricom Manhole
MHSF9	9552943.045	573411.105	21.011	Safaricom Manhole
MHSF9	9552942.520	573411.705	21.149	Safaricom Manhole

Billboards				
BB 1	9553015.695	573380.760	22.220	
BB 2	9553145.391	573371.685	21.967	
BB 3	9553103.779	573270.708	23.047	
BB 3	9553102.317	573269.022	23.283	
BB 4	9553117.075	573300.470	23.043	

BB 4	9553118.601	573302.071	23.107	
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Traffic Lights				
TL 1	9553065.595	573306.254	23.187	
TL 2	9553065.030	573293.743	23.214	
TL 3	9553082.394	573325.056	23.321	
TL 4	9553094.453	573328.168	22.991	
TL 5	9553113.359	573312.118	22.668	
TL 6	9553113.454	573299.575	22.846	

Traffic/Road Signs

TS 1	9552947.626	573408.319	21.206	
TS 2	9552971.475	573388.305	21.737	
TS 3	9552985.133	573370.280	22.052	
TS 4	9553032.791	573365.498	22.521	
TS 5	9553036.299	573333.052	23.052	
TS 6	9553059.780	573253.893	22.792	
TS 7	9553299.391	573119.641	22.312	
TS 8	9553125.453	573327.236	22.438	
TS 9	9553123.901	573290.115	22.943	

Clock

369	9553077.700	573313.194	23.266	CLOCK
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CCTV

370 9553087.455 573325.140 23.050 CCTV

Storm Water Manholes

1	9553403.085	573822.989	19.350	MH1
2	9553402.942	573823.446	19.337	MH1
3	9553402.587	573823.019	19.339	MH1-0.95M
4	9553404.769	573820.426	19.199	MH2
5	9553404.890	573819.914	19.208	MH2
6	9553115.846	574179.384	17.529	MH 2 SW
7	9553115.706	574179.787	17.536	MH 2 SW
8	9553115.473	574179.233	17.510	MH 2 SW
9	9553115.554	574179.538	17.523	MH 2 SW 1.8M FRM N W TO S
10	9553129.403	574172.709	17.611	MH 3 SW SILTED
11	9553129.970	574172.449	17.608	MH 3 SW SILTED
12	9553129.702	574171.881	17.578	MH 3 SW SILTED
13	9553129.152	574172.137	17.574	MH 3 SW SILTED
14	9553147.609	574164.263	17.776	MH 4 SW SILTED
15	9553147.360	574163.701	17.749	MH 4 SW SILTED
16	9553146.746	574163.969	17.724	MH 4 SW SILTED
17	9553146.988	574164.548	17.762	MH 4 SW SILTED
18	9553165.398	574156.068	17.838	MH 5 SW SILTED
19	9553165.979	574155.831	17.848	MH 5 SW SILTED
20	9553165.739	574155.227	17.856	MH 5 SW SILTED
21	9553165.152	574155.538	17.856	MH 5 SW SILTED
22	9553174.729	574151.769	17.978	MH 6 SW

23	9553174.558	574152.214	17.986	MH 6 SW
24	9553175.079	574151.887	17.982	MH 6 SW
25	9553174.870	574152.086	17.932	MH 6 SW 1.9M DEPTH
26	9553405.330	573820.025	19.232	MH2
27	9553405.226	573820.535	19.283	MH2BLOCKED
28	9553184.307	574147.024	17.962	MH 8
29	9553185.072	574146.601	17.928	MH 8
30	9553185.760	574148.058	17.978	MH 8
31	9553185.135	574148.457	17.716	MH 8
32	9553256.514	574116.300	17.763	MH 9 SW SILTED
33	9553257.053	574116.608	17.731	MH 9 SW SILTED
34	9553257.333	574116.059	17.763	MH 9 SW SILTED
35	9553256.807	574115.744	17.733	MH 9 SW SILTED
36	9553415.707	573822.770	19.597	MH3
37	9553416.143	573822.576	19.615	MH3
38	9553415.999	573823.123	19.623	MH3-2.2M
39	9553416.697	573824.439	19.476	MH4
40	9553416.794	573823.983	19.480	MH4
41	9553417.269	573824.093	19.523	MH4
42	9553417.121	573824.531	19.513	MH4BLOCKED
43	9553410.830	573845.424	19.145	MH5
44	9553410.661	573845.872	19.125	MH5
45	9553411.095	573846.000	19.202	MH5
46	9553411.248	573845.580	19.152	MH5-1.1M
47	9553399.471	573839.973	18.977	MH6
48	9553399.917	573840.098	19.043	MH6
49	9553400.039	573839.676	19.057	MH6
50	9553399.584	573839.517	18.988	MH6BLOCKED
51	9553298.128	574096.467	17.501	MH 13 SW SILTED
52	9553298.714	574096.278	17.467	MH 13 SW SILTED
53	9553298.550	574095.703	17.452	MH 13 SW SILTED
54	9553297.941	574095.869	17.533	MH 13 SW SILTED
55	9553316.508	574093.688	17.154	MH 14 SW SILTED
56	9553315.876	574093.623	17.147	MH 14 SW SILTED
57	9553315.790	574094.262	17.202	MH 14 SW SILTED
58	9553316.431	574094.317	17.167	MH 14 SW SILTED
59	9553398.265	573837.634	19.164	MH7
60	9553398.661	573837.371	19.180	MH7
61	9553398.498	573837.948	19.164	MH7BLOCKED
62	9553395.364	573851.700	18.842	MH8
63	9553395.194	573852.177	18.846	MH8
64	9553395.574	573852.293	18.863	MH8
65	9553395.731	573851.868	18.882	MH8-1.15M
66	9553339.817	574201.298	16.044	MH 17 SW INV
67	9553339.761	574201.119	16.382	MH 17 SW INV2
68	9553339.907	574201.597	17.604	MH 17 SW
69	9553339.572	574201.318	17.608	MH 17 SW
70	9553339.948	574201.019	17.607	MH 17 SW
71	9553348.486	574260.346	17.599	MH 18 SW
72	9553349.013	574260.399	17.602	MH 18 SW

73	9553348.443	574260.618	17.607	MH 18 SW
74	9553348.713	574260.583	17.609	MH 18 SW 2.2M DEPTH
75	9553369.554	574252.323	17.200	MH 19 SW SILTED
76	9553369.451	574251.843	17.209	MH 19 SW SILTED
77	9553369.095	574252.396	17.208	MH 19 SW SILTED
78	9553369.013	574251.936	17.239	MH 19 SW SILTED
79	9553362.172	574190.732	17.101	MH 20SW 3.78M 0.92 TOMH21 1.34 T
80	9553361.936	574190.666	17.099	MH20 SW
81	9553362.254	574190.408	17.117	MH20 SW
82	9553362.164	574191.006	17.120	MH20 SW
83	9553361.008	574191.244	16.938	MH21 SW
84	9553360.565	574191.351	16.971	MH21 SW
85	9553360.620	574191.855	16.976	MH21 SW
86	9553361.056	574191.796	16.960	MH21 SW
87	9553360.899	574191.586	16.958	MH21 SW
88	9553405.728	573856.165	19.135	MH9
89	9553405.889	573856.641	19.120	MH9
90	9553406.279	573856.250	19.125	MH9-2.0M
91	9553403.827	573864.472	18.803	MH10
92	9553403.624	573864.963	18.799	MH10
93	9553404.068	573865.094	18.846	MH10
94	9553404.256	573864.699	18.820	MH10-1.15M
95	9553393.450	573888.725	18.386	MH11
96	9553393.198	573889.271	18.398	MH11
97	9553393.645	573889.412	18.407	MH11
98	9553393.884	573888.912	18.394	MH11 BLOCKED
99	9553397.360	573902.412	18.304	MH12
100	9553397.054	573901.996	18.309	MH12
101	9553396.865	573902.504	18.308	MH12-2.15M
102	9553392.868	573908.250	17.990	MH13
103	9553392.665	573908.732	17.963	MH13
104	9553392.243	573908.561	18.034	MH13
105	9553392.449	573908.087	17.963	MH13-BLOCKED
106	9553387.942	573897.743	18.317	MH14
107	9553388.198	573897.275	18.317	MH14
108	9553387.657	573897.322	18.303	MH14-2M
109	9553380.594	573905.128	18.023	MH15
110	9553380.223	573904.849	18.026	MH15
111	9553360.550	574161.989	17.014	MH 28 SW
112	9553360.884	574161.715	17.013	MH 28 SW
113	9553360.281	574161.675	16.997	MH 28 SW
114	9553360.606	574161.712	17.019	MH 28 SW 2.78M
115	9553380.370	573904.458	18.037	MH15
116	9553371.153	574102.810	16.898	MH30 SILTED
117	9553370.678	574102.956	16.892	MH30 SILTED
118	9553370.890	574102.598	16.901	MH30 SILTED
119	9553380.795	573904.635	18.033	MH15-1.14M
120	9553378.708	573891.094	18.226	MH16
121	9553378.922	573890.596	18.240	MH16
122	9553360.489	574065.785	16.784	MH32 SW MAYBE

123	9553360.280	574065.463	16.777	MH32 SW MAYBE
124	9553360.817	574065.498	16.796	MH32 SW MAYBE
125	9553379.362	573890.795	18.255	MH16
126	9553379.105	573891.264	18.239	MH16BLOCKED
127	9553376.803	573892.028	18.402	MH17
128	9553376.905	573891.557	18.404	MH17
129	9553376.486	573891.656	18.470	MH17SEALED
130	9553380.241	573904.953	18.036	MH18
131	9553380.562	573905.133	18.020	MH18
132	9553380.806	573904.622	18.024	MH18
133	9553380.363	573904.447	18.046	MH18-1.14M
134	9553373.093	573922.758	17.778	MH19
135	9553373.292	573922.238	17.762	MH19
136	9553372.840	573922.098	17.785	MH19
137	9553372.663	573922.558	17.783	MH19-1.2M
138	9553384.307	573927.138	17.621	MH20
139	9553384.468	573926.699	17.612	MH20
140	9553384.912	573926.832	17.595	MH20
141	9553384.722	573927.313	17.599	MH20BLOCKED
142	9553378.000	573944.955	17.362	MH21
143	9553377.549	573944.822	17.348	MH21
144	9553365.348	574013.605	16.907	MH 36 SW MAYBE
145	9553364.990	574013.908	16.879	MH 36 SW MAYBE
146	9553365.280	574014.237	16.903	MH 36 SW MAYBE
147	9553366.856	574041.389	17.356	MH 37
148	9553364.873	574041.663	17.315	MH 37
149	9553364.589	574039.181	17.340	MH 37
150	9553366.528	574038.766	17.361	MH 37
151	9553366.174	574040.734	17.365	MH 37 2.77M
152	9553365.269	574044.811	17.323	MH37B
153	9553367.319	574044.471	17.324	MH37B
154	9553366.919	574041.478	17.349	MH37B
155	9553364.885	574041.831	17.321	MH37B
156	9553366.398	574042.159	17.390	MH37B 3.02M
157	9553361.875	574052.904	16.845	MH38 SW MAYBE
158	9553361.260	574053.144	16.836	MH38 SW MAYBE
159	9553361.501	574052.772	16.835	MH38 SW MAYBE
160	9553377.837	573945.462	17.346	MH21
161	9553377.414	573945.293	17.355	MH21-0.7M
162	9553366.084	573941.344	17.537	MH23
163	9553365.602	573941.224	17.540	MH23
164	9553365.461	573941.691	17.526	MH23
165	9553365.896	573941.864	17.525	MH23BLOCKED
166	9553359.673	573961.788	17.346	MH25BLOCKED
167	9553359.522	573962.296	17.336	MH25BLOCKED
168	9553359.085	573962.151	17.340	MH25BLOCKED
169	9553359.219	573961.675	17.388	MH25BLOCKED
170	9553371.897	573964.431	17.163	MH26
171	9553371.756	573964.934	17.145	MH26
172	9553331.271	574041.532	15.538	MH39A 0.3M TOP OF PIPE INV

173	9553331.321	574041.502	16.531	MH39A 3INCH BOTTOM OF PIPE INV
174	9553226.090	574102.782	16.871	MH 40SW INLET INV
175	9553226.220	574102.885	16.669	MH 40SW OUTLET INV
176	9553226.537	574102.722	17.850	MH 40SW
177	9553225.879	574102.869	17.864	MH 40SW
178	9553226.354	574103.134	17.835	MH 40SW
179	9553200.611	574115.552	17.902	MH 41SW
180	9553200.815	574115.249	17.931	MH 41SW
181	9553201.213	574115.502	17.929	MH 41SW
182	9553200.972	574115.652	16.899	MH 41SW INV
183	9553371.315	573964.795	17.178	MH26
184	9553371.463	573964.308	17.179	MH26-1.14M
185	9553367.806	573983.991	17.030	MH27
186	9553367.891	573983.457	17.022	MH27
187	9553192.387	574118.028	18.047	MH 42 SW
188	9553192.225	574118.276	18.093	MH 42 SW OLD LINE PIPE TO ESTATE
189	9553192.398	574118.415	17.998	MH 42 SW OLD LINE PIPE TO ESTATE
190	9553191.974	574118.227	17.966	MH 42 SW OLD LINE PIPE TO ESTATE
191	9553161.137	574133.938	17.910	MH 43 SW SILTED
192	9553160.623	574133.873	17.951	MH 43 SW SILTED
193	9553160.631	574134.418	17.947	MH 43 SW SILTED
194	9553147.436	574139.709	17.946	MH 44 SW
195	9553146.953	574138.707	18.004	MH 44 SW
196	9553148.318	574138.162	17.947	MH 44 SW
197	9553148.762	574139.233	17.888	MH 44 SW
198	9553146.334	574141.062	16.915	MH 45 SW INV
199	9553146.151	574141.135	17.895	MH 45 SW
200	9553146.736	574141.015	17.863	MH 45 SW
201	9553146.492	574141.477	17.790	MH 45 SW
202	9553147.426	574138.850	17.985	MH 45 SW 2.8M
203	9553143.980	574135.175	18.239	MH 46 STORM PIT
204	9553143.079	574135.459	18.203	MH 46 STORM PIT
205	9553143.721	574134.523	18.287	MH 46 STORM PIT
206	9553142.907	574134.799	18.175	MH 46 STORM PIT
207	9553143.174	574134.954	18.403	MH 46 STORM PIT 8.7M
208	9553134.797	574145.570	17.853	MH 47SW
209	9553134.260	574144.869	17.790	MH 47SW
210	9553135.065	574144.381	17.792	MH 47SW
211	9553135.508	574145.242	17.838	MH 47SW
212	9553135.308	574144.883	17.802	MH 47 SW 2.68M
213	9553123.886	574150.810	17.720	MH 48 SW SILTED
214	9553124.271	574151.555	17.729	MH 48 SW SILTED
215	9553123.228	574152.022	17.722	MH 48 SW SILTED
216	9553122.851	574151.185	17.728	MH 48 SW SILTED
217	9553114.088	574150.372	18.311	MH 49 SW
218	9553114.552	574151.239	17.920	MH 49 SW
219	9553115.404	574150.786	18.318	MH 49 SW
220	9553115.009	574149.875	18.328	MH 49 SW
221	9553115.122	574150.403	18.499	MH 49 SW 3.4M
222	9553112.935	574155.724	17.646	MH 50 SW SILTED

223	9553112.437	574156.192	17.629	MH 50 SW SILTED
224	9553112.944	574156.367	17.617	MH 50 SW SILTED
225	9553104.449	574158.557	17.573	MH 51 SW
226	9553103.282	574159.077	17.562	MH 51 SW
227	9553104.927	574159.492	17.708	MH 51 SW
228	9553103.724	574160.082	17.667	MH 51 SW
229	9553104.618	574158.833	17.567	MH 51 SW 2.68M
230	9553103.632	574159.208	16.679	MH 51 SW PVC PIPE INV
231	9553350.683	574009.861	17.163	MH 52 SW SEALED
232	9553350.358	574010.236	17.135	MH 52 SW SEALED
233	9553350.702	574010.464	17.177	MH 52 SW SEALED
234	9553367.412	573983.449	17.026	MH27
235	9553367.389	573983.929	17.022	MH27-.8M
236	9553354.776	573981.374	17.187	MH28
237	9553354.324	573981.326	17.224	MH28
238	9553354.239	573981.804	17.214	MH28
239	9553363.619	573951.556	17.561	MH 54 SW
240	9553363.238	573951.758	17.556	MH 54 SW
241	9553363.800	573951.950	17.563	MH 54 SW
242	9553363.590	573951.813	16.317	MH 54 SW INV
243	9553387.634	573897.446	18.285	MH 55 SW
244	9553387.824	573897.728	18.289	MH 55 SW
245	9553388.164	573897.259	18.296	MH 55 SW
246	9553387.938	573897.483	18.298	MH 55 SW 2M
247	9553376.937	573891.932	18.375	MH 56 SW
248	9553376.502	573892.032	18.433	MH 56 SW
249	9553376.865	573891.543	18.416	MH 56 SW
250	9553376.696	573891.765	18.436	MH 56 SW C
251	9553382.806	573868.806	19.078	MH 57 SW MAYBE
252	9553381.737	573868.226	19.045	MH 57 SW MAYBE
253	9553381.385	573869.366	19.056	MH 57 SW MAYBE
254	9553382.509	573870.165	19.040	MH 57 SW MAYBE
255	9553382.370	573869.108	19.178	MH 57 SW MAYBE 2.16M
256	9553405.819	573856.656	19.121	MH 58 SW
257	9553405.805	573856.147	19.142	MH 58 SW
258	9553406.208	573856.620	19.133	MH 58 SW
259	9553405.937	573856.415	19.152	MH 58 SW 2M
260	9553398.735	573837.403	19.167	MH 59 SW
261	9553398.279	573837.575	19.161	MH 59 SW SILTED
262	9553398.467	573837.954	19.145	MH 59 SW SILTED
263	9553380.565	573853.590	18.690	MH 60 SEPTIC TANK
264	9553380.917	573854.167	18.731	MH 60 SEPTIC TANK
265	9553381.786	573853.768	18.680	MH 60 SEPTIC TANK
266	9553382.326	573854.824	18.584	MH 60 SEPTIC TANK
267	9553381.454	573855.224	18.488	MH 60 SEPTIC TANK
268	9553381.764	573855.838	18.588	MH 60 SEPTIC TANK
269	9553377.669	573857.849	18.771	MH 60 SEPTIC TANK
270	9553377.356	573857.261	18.797	MH 60 SEPTIC TANK
271	9553376.701	573857.587	18.869	MH 60 SEPTIC TANK
272	9553376.164	573856.774	18.802	MH 60 SEPTIC TANK

273	9553376.895	573856.283	18.811	MH 60 SEPTIC TANK
274	9553376.615	573855.731	18.711	MH 60 SEPTIC TANK
275	9553396.029	573824.545	19.274	MH 61 SEPTIC TANK
276	9553395.666	573824.378	19.275	MH 61 SEPTIC TANK
277	9553395.857	573823.824	19.283	MH 61 SEPTIC TANK
278	9553396.265	573823.960	19.269	MH 61 SEPTIC TANK
279	9553390.401	573817.501	19.112	MH 62 SEWER MH
280	9553391.041	573817.107	19.143	MH 62 SEWER MH
281	9553391.580	573817.889	19.184	MH 62 SEWER MH
282	9553390.867	573818.263	19.042	MH 62 SEWER MH
283	9553390.997	573817.625	19.111	MH 62 SEWER MH 3.08M
284	9553389.012	573815.584	19.082	MH 63 SEWER
285	9553389.791	573815.131	19.118	MH 63 SEWER
286	9553388.540	573814.799	19.021	MH 63 SEWER
287	9553389.228	573814.241	19.048	MH 63 SEWER
288	9553387.980	573813.978	19.003	MH 63B SEWER
289	9553388.434	573814.703	19.002	MH 63B SEWER
290	9553388.710	573813.436	19.052	MH 63B SEWER
291	9553389.186	573814.137	19.031	MH 63B SEWER
292	9553389.166	573814.849	19.270	MH 63 SEWER 3.12
293	9553388.710	573814.123	19.273	MH 63B SEWER 1.7M
294	9553398.859	573807.710	19.118	MH 64 SEWER
295	9553399.719	573807.572	19.311	MH 64 SEWER
296	9553399.778	573808.450	19.322	MH 64 SEWER
297	9553399.002	573808.625	19.321	MH 64 SEWER
298	9553399.277	573807.962	19.382	MH 64 SEWER 1.78M
299	9553354.695	573981.893	17.194	MH28BLOCKED
300	9553350.163	574003.366	17.035	MH29
301	9553350.641	574003.430	17.041	MH29
302	9553350.544	574003.956	17.032	MH29
303	9553350.084	574003.874	17.043	MH29BLOCKED
304	9553415.791	573823.080	19.629	MH 66 SW
305	9553415.891	573822.549	19.595	MH 66 SW
306	9553416.199	573823.066	19.614	MH 66 SW
307	9553416.041	573822.872	19.629	MH 66 SW 2.24M
308	9553397.447	573902.395	18.301	MH 67 SW
309	9553397.128	573901.996	18.313	MH 67 SW
310	9553397.007	573902.587	18.287	MH 67 SW
311	9553397.186	573902.288	18.318	MH 67 SW 2.12M
312	9553365.176	574004.234	16.819	MH30
313	9553365.251	574003.717	16.827	MH30
314	9553364.789	574003.660	16.829	MH30
315	9553364.751	574004.151	16.842	MH30
316	9553376.246	573956.097	17.428	MH 69 SW
317	9553376.083	573955.615	17.412	MH 69 SW
318	9553376.674	573955.871	17.426	MH 69 SW
319	9553376.326	573955.791	17.448	MH 69 SW 1.5M
320	9553364.748	574004.148	16.842	MH30-0.75M
321	9553363.360	574018.444	16.756	MH33
322	9553362.921	574018.411	16.767	MH33

323	9553362.851	574018.904	16.762	MH33
324	9553363.314	574018.978	16.733	MH33-0.75M
325	9553368.918	574022.781	15.162	OUTFALL
326	9553369.878	574023.172	14.877	OUTFALL
327	9553370.542	574024.257	14.792	OUTFALL
328	9553437.459	573796.956	19.800	MH 2 SW
329	9553436.610	573797.763	19.811	MH 2 SW
330	9553435.741	573796.971	19.787	MH 2 SW
331	9553436.648	573796.071	20.105	MH 2 SW
332	9553437.025	573797.381	19.787	MH 2 SW 1.8M
333	9553371.794	574025.140	14.716	OUTFALL
334	9553373.261	574025.231	14.745	OUTFALL
335	9553374.494	574025.309	14.443	OUTFALL
336	9553376.986	574025.839	14.311	OUTFALL
337	9553348.015	574022.155	16.965	MH34
338	9553347.921	574022.677	16.963	MH34
339	9553347.517	574022.584	16.964	MH34
340	9553347.566	574022.123	16.979	MH34BLOCKED
341	9553345.909	574042.669	16.915	MH35BLOCKED
342	9553345.448	574042.665	16.923	MH35BLOCKED
343	9553444.564	573795.197	20.563	MH 5 SW
344	9553444.550	573794.141	20.551	MH 5 SW
345	9553446.299	573794.015	20.387	MH 5 SW
346	9553446.411	573794.947	20.533	MH 5 SW
347	9553446.492	573795.382	20.312	DRAIN
348	9553452.244	573794.828	20.303	DRAIN
349	9553452.104	573795.391	19.798	DRAIN
350	9553452.204	573795.941	19.877	DRAIN
351	9553452.186	573796.187	20.385	DRAIN
352	9553446.182	573794.483	20.528	DRAIN 1.9M DEPTH DRAIN 0.8M
353	9553345.408	574043.187	16.912	MH35BLOCKED
354	9553345.870	574043.277	16.915	MH35BLOCKED
355	9553333.705	574049.495	17.242	MH36BLOCKED
356	9553333.517	574048.996	17.317	MH36BLOCKED
357	9553333.182	574049.401	17.357	MH36BLOCKED
358	9553333.933	574053.207	17.147	MH37BLOCKED
359	9553333.441	574053.959	17.179	MH37BLOCKED
360	9553334.136	574054.388	16.968	MH37BLOCKED
361	9553334.546	574053.598	17.000	MH37BLOCKED
362	9553331.992	574057.663	16.939	MH38BLOCKED
363	9553332.298	574057.990	16.940	MH38BLOCKED
364	9553331.931	574058.345	16.939	MH38BLOCKED
365	9553331.593	574058.013	16.936	MH38BLOCKED
366	9553344.446	574061.675	16.884	MH39BLOCKED
367	9553343.992	574061.646	16.898	MH39BLOCKED
368	9553343.931	574062.179	16.889	MH39BLOCKED
369	9553344.374	574062.210	16.892	MH39BLOCKED
370	9553361.532	574033.875	16.664	MH40
371	9553361.598	574033.323	16.670	MH40
372	9553361.115	574033.329	16.715	MH40

373	9553361.066	574033.821	16.679	MH40-1.18M
374	9553360.072	574050.324	16.617	MH41
375	9553360.031	574050.846	16.632	MH41
376	9553359.547	574050.830	16.660	MH41
377	9553359.612	574050.311	16.651	MH41BLOCKED
378	9553359.288	574063.465	16.624	MH43
379	9553359.257	574063.978	16.622	MH43
380	9553454.559	573812.446	20.183	MH 11 SW
381	9553453.490	573811.652	20.114	MH 11 SW
382	9553452.672	573812.757	20.172	MH 11 SW
383	9553453.772	573813.567	20.153	MH 11 SW
384	9553358.812	574063.484	16.635	MH43
385	9553358.810	574063.983	16.638	MH43-1.18M
386	9553358.995	574071.739	16.584	MH45
387	9553358.986	574072.261	16.605	MH45
388	9553358.523	574072.242	16.655	MH45
389	9553470.316	573811.158	20.408	MH 13 SEWER
390	9553472.661	573809.726	20.481	MH 13 SEWER
391	9553472.167	573814.091	20.396	MH 13 SEWER
392	9553474.114	573812.816	20.467	MH 13 SEWER
393	9553358.535	574071.767	16.626	MH45BLOCKED
394	9553359.040	574080.533	16.572	MH46
395	9553358.560	574080.552	16.646	MH46
396	9553358.564	574081.125	16.576	MH46
397	9553359.076	574081.057	16.588	MH46-1.18
398	9553359.637	574088.649	16.566	MH47
399	9553359.640	574089.166	16.553	MH47
400	9553359.209	574089.148	16.557	MH47
401	9553359.185	574088.703	16.563	MH47 BLOCKED
402	9553359.751	574095.294	16.558	MH48
403	9553359.274	574095.275	16.568	MH48
404	9553359.276	574094.786	16.617	MH48
405	9553359.741	574094.781	16.575	MH48-1.12
406	9553359.027	574115.440	16.613	MH49-1.18
407	9553359.048	574114.922	16.608	MH49-1.18
408	9553358.549	574114.927	16.641	MH49-1.18
409	9553358.558	574115.424	16.640	MH49-1.18
410	9553358.685	574134.089	16.716	MH50
411	9553358.703	574133.546	16.703	MH50
412	9553358.204	574133.532	16.765	MH50
413	9553358.220	574134.094	16.738	MH50-1.14
414	9553567.657	573928.705	18.902	MH 18 SEPTIC TANK
415	9553567.663	573929.965	18.888	MH 18 SEPTIC TANK
416	9553566.311	573929.825	18.898	MH 18 SEPTIC TANK
417	9553566.304	573928.672	18.918	MH 18 SEPTIC TANK
418	9553566.729	573929.332	18.874	MH 18 SEPTIC TANK 1.55M
419	9553358.637	574153.969	16.771	MH51BLOCKED
420	9553358.648	574154.533	16.792	MH51BLOCKED
421	9553358.204	574154.518	16.799	MH51BLOCKED
422	9553358.202	574153.993	16.807	MH51BLOCKED

423	9553359.276	574170.936	16.869	MH53-1.16
424	9553359.307	574171.463	16.854	MH53-1.16
425	9553358.842	574171.473	16.892	MH53-1.16
426	9553358.820	574170.973	16.880	MH53-1.16
427	9553361.016	574191.276	16.956	MH55-1.18
428	9553360.569	574191.333	16.954	MH55-1.18
429	9553360.620	574191.854	17.002	MH55-1.18
430	9553361.071	574191.809	16.975	MH55-1.18
431	9553363.599	574212.517	17.024	MH56
432	9553363.660	574213.030	17.045	MH56
433	9553363.224	574213.079	17.049	MH56
434	9553363.186	574212.607	17.061	MH56-1.1M
435	9553366.345	574231.699	17.105	MH57
436	9553365.873	574231.786	17.117	MH57
437	9553365.961	574232.286	17.141	MH57
438	9553366.442	574232.211	17.104	MH57-1.16M
439	9553369.497	574251.821	17.207	MH58
440	9553369.013	574251.889	17.260	MH58
441	9553369.113	574252.415	17.217	MH58
442	9553369.579	574252.345	17.204	MH58-1.14M
443	9553372.805	574271.836	17.259	MH59
444	9553372.333	574271.922	17.280	MH59
445	9553372.436	574272.432	17.301	MH59
446	9553372.869	574272.385	17.284	MH59-1.04M
447	9553376.262	574291.937	17.335	MH60
448	9553375.809	574292.020	17.358	MH60
449	9553375.899	574292.517	17.348	MH60
450	9553376.370	574292.460	17.337	MH60-0.9M
451	9553355.565	574233.899	17.339	MH61
452	9553355.101	574233.978	17.404	MH61
453	9553355.038	574233.469	17.393	MH61
454	9553355.482	574233.384	17.311	MH61BLOCKED
455	9553352.666	574213.815	17.263	MH62BLOCK
456	9553352.590	574213.312	17.261	MH62BLOCK
457	9553352.138	574213.391	17.262	MH62BLOCK
458	9553352.180	574213.889	17.323	MH62BLOCK
459	9553350.207	574193.682	17.203	MH63BLOCK
460	9553350.135	574193.160	17.194	MH63BLOCK
461	9553349.648	574193.219	17.249	MH63BLOCK
462	9553349.709	574193.733	17.256	MH63BLOCK
463	9553347.889	574171.812	17.120	MH64BLOCK
464	9553347.424	574171.857	17.151	MH64BLOCK
465	9553347.368	574171.339	17.154	MH64BLOCK
466	9553347.838	574171.283	17.148	MH64BLOCK
467	9553346.296	574154.957	17.025	MH65BLOCK
468	9553346.245	574154.445	17.019	MH65BLOCK
469	9553345.757	574154.491	17.077	MH65BLOCK
470	9553345.812	574154.987	17.043	MH65BLOCK
471	9553344.872	574134.732	17.004	MH66BLOCK
472	9553344.384	574134.728	16.985	MH66BLOCK

473	9553344.354	574134.225	16.996	MH66BLOCK
474	9553344.840	574134.200	17.013	MH66BLOCK
475	9553343.960	574115.590	16.927	MH67BLOCK
476	9553343.934	574115.069	16.908	MH67BLOCK
477	9553343.485	574115.071	16.938	MH67BLOCK
478	9553343.486	574115.612	16.934	MH67BLOCK
479	9553349.472	574099.550	16.964	MH68
480	9553349.129	574099.922	16.967	MH68
481	9553349.480	574100.112	16.967	MH68-1.1M
482	9553343.614	574095.982	16.903	MH69BLOCKED
483	9553343.627	574095.467	16.895	MH69BLOCKED
484	9553343.137	574095.468	16.877	MH69BLOCKED
485	9553343.137	574095.970	16.891	MH69BLOCKED
486	9553324.849	574099.079	17.024	MH70SILTED
487	9553325.309	574098.674	17.054	MH70SILTED
488	9553324.912	574098.185	17.035	MH70SILTED
489	9553324.422	574098.597	17.077	MH70SILTED
490	9553328.357	574103.611	16.934	MH71SILTED
491	9553328.571	574104.238	16.950	MH71SILTED
492	9553327.943	574104.536	16.936	MH71SILTED
493	9553327.659	574103.866	16.963	MH71SILTED
494	9553331.105	574113.692	16.805	MH72SILTED
495	9553331.166	574114.194	16.799	MH72SILTED
496	9553331.646	574114.143	16.832	MH72SILTED
497	9553331.522	574113.629	16.889	MH72SILTED
498	9553332.350	574133.896	16.970	MH73SILTED
499	9553332.811	574133.885	16.987	MH73SILTED
500	9553332.841	574134.387	17.012	MH73SILTED
501	9553332.359	574134.399	16.964	MH73SILTED
502	9553349.755	574257.859	17.392	MH75
503	9553349.837	574258.374	17.405	MH75
504	9553350.307	574258.317	17.476	MH75
505	9553350.200	574257.780	17.431	MH75-1.22
506	9553352.612	574274.886	17.411	MH77
507	9553353.035	574274.821	17.410	MH77
508	9553353.123	574275.326	17.418	MH77
509	9553352.658	574275.402	17.402	MH77SILTED
510	9553356.069	574295.027	17.378	MH78SILTED
511	9553356.148	574295.552	17.373	MH78SILTED
512	9553356.611	574295.487	17.424	MH78SILTED
513	9553356.525	574294.963	17.400	MH78SILTED
514	9553316.448	574094.364	17.190	MH79SILTED
515	9553316.541	574093.721	17.219	MH79SILTED
516	9553315.848	574093.612	17.178	MH79SILTED
517	9553315.768	574094.246	17.171	MH79SILTED
518	9553298.714	574096.332	17.543	MH80SILTED
519	9553298.078	574096.505	17.589	MH80SILTED
520	9553297.886	574095.900	17.546	MH80SILTED
521	9553298.549	574095.720	17.520	MH80SILTED
522	9553280.005	574103.395	17.687	MH81SILTED

523	9553279.459	574103.653	17.703	MH81SILTED
524	9553279.204	574103.081	17.646	MH81SILTED
525	9553279.773	574102.831	17.709	MH81SILTED
526	9553257.305	574116.074	17.817	MH82SILTED
527	9553256.777	574115.746	17.811	MH82SILTED
528	9553256.436	574116.376	17.794	MH82SILTED
529	9553257.042	574116.704	17.805	MH82SILTED
530	9553255.749	574127.879	17.751	MH83SILTED
531	9553255.158	574128.134	17.750	MH83SILTED
532	9553255.426	574128.729	17.737	MH83SILTED
533	9553255.996	574128.474	17.784	MH83-0.8M
534	9553245.588	574130.288	17.754	MH84
535	9553245.986	574129.818	17.732	MH84
536	9553245.525	574129.388	17.718	MH84
537	9553245.115	574129.881	17.740	MH84-SEALED
538	9553219.867	574129.943	17.802	MH84-SILTED
539	9553219.215	574129.750	17.834	MH84-SILTED
540	9553219.672	574129.552	17.858	MH84-SILTED
541	9553219.385	574130.148	17.854	MH84-SILTED
542	9553112.604	574180.497	17.489	MH89-SILTED
543	9553112.009	574180.719	17.472	MH89-SILTED
544	9553111.806	574180.224	17.395	MH89-SILTED
545	9553112.389	574179.885	17.464	MH89-SILTED
546	9553093.031	574189.543	17.206	MH90-SILTED
547	9553093.713	574189.265	17.228	MH90-SILTED
548	9553093.395	574188.518	17.203	MH90-SILTED
549	9553092.684	574188.802	17.176	MH90-SILTED
550	9553067.551	574137.338	17.486	MH91-SILTED
551	9553067.296	574136.869	17.478	MH91-SILTED
552	9553067.708	574136.639	17.501	MH91-SILTED
553	9553067.956	574137.110	17.487	MH91-SILTED
554	9553053.244	574110.616	17.341	MH92-SILTED
555	9553053.436	574111.056	17.305	MH92-SILTED
556	9553053.842	574110.778	17.326	MH92-SILTED
557	9553053.672	574110.384	17.343	MH92-SILTED
558	9553039.066	574084.187	17.445	MH93-SILTED
559	9553039.333	574084.666	17.475	MH93-SILTED
560	9553039.729	574084.422	17.467	MH93-SILTED
561	9553039.458	574083.968	17.454	MH93-SILTED
562	9553024.456	574057.106	17.578	MH94-SILTED
563	9553024.774	574057.723	17.577	MH94-SILTED
564	9553025.213	574057.537	17.529	MH94-SILTED
565	9553024.879	574056.849	17.508	MH94-SILTED
566	9553013.211	574033.427	17.523	MH95-SEALED
567	9553013.503	574034.078	17.521	MH95-SEALED
568	9553014.158	574033.748	17.537	MH95-SEALED
569	9553013.835	574033.116	17.543	MH95-SEALED
570	9553011.120	574032.002	17.500	MH96-1.08
571	9553011.534	574031.776	17.495	MH96-1.08
572	9553011.289	574031.301	17.484	MH96-1.08

573	9553010.859	574031.519	17.510	MH96-1.08
574	9552996.932	574003.995	17.463	MH97-SILTED
575	9552996.211	574004.368	17.562	MH97-SILTED
576	9552996.619	574005.200	17.641	MH97-SILTED
577	9552997.273	574004.902	17.548	MH97-SILTED
578	9553003.364	574001.317	17.644	MH98-SILTED
579	9553003.752	574001.893	17.512	MH98-SILTED
580	9553003.247	574002.200	17.458	MH98-SILTED
581	9553002.971	574001.661	17.475	MH98-SILTED
582	9553017.571	574027.925	17.464	MH99-SILTED
583	9553016.997	574028.238	17.554	MH99-SILTED
584	9553017.310	574028.899	17.546	MH99-SILTED
585	9553017.904	574028.589	17.459	MH99-SILTED
586	9553024.940	574038.714	17.552	MH100-SILTED
587	9553024.304	574039.073	17.543	MH100-SILTED
588	9553024.760	574039.927	17.547	MH100-SILTED
589	9553025.437	574039.592	17.564	MH100-SILTED
590	9553031.455	574053.894	17.479	MH101-SILTED
591	9553031.724	574054.425	17.491	MH101-0.9
592	9553031.345	574054.700	17.525	MH101-0.9
593	9553030.985	574054.148	17.532	MH101-0.9
594	9553031.478	574053.914	17.488	MH101-0.9
595	9553046.089	574081.192	17.499	MH102-1M
596	9553045.687	574081.402	17.556	MH102-1M
597	9553045.428	574080.980	17.573	MH102-1M
598	9553045.848	574080.740	17.503	MH102-1M
599	9553059.923	574107.120	17.484	MH103-SILTED
600	9553059.918	574107.097	17.485	MH103-SILTED
601	9553059.471	574107.355	17.490	MH103-SILTED
602	9553059.727	574107.817	17.512	MH103-SILTED
603	9553060.148	574107.550	17.490	MH103-SILTED
604	9553074.387	574134.119	17.582	MH104-SILTED
605	9553073.973	574133.386	17.608	MH104-SILTED
606	9553073.512	574133.637	17.539	MH104-SILTED
607	9553073.845	574134.428	17.513	MH104-SILTED
608	9553093.882	574159.707	17.477	MH105-SILTED
609	9553093.740	574160.279	17.484	MH105-SILTED
610	9553094.412	574160.426	17.428	MH105-SILTED
611	9553094.517	574159.816	17.489	MH105-SILTED
612	9553106.118	574159.275	17.604	MH106-SEALED
613	9553106.362	574159.023	17.606	MH106-SEALED
614	9553106.664	574159.419	17.591	MH106-SEALED
615	9553111.555	574154.791	17.644	MH107-SEALED
616	9553111.996	574154.921	17.648	MH107-SEALED
617	9553112.011	574154.501	17.675	MH107-SEALED
618	9553138.625	574144.572	17.802	MH110-SEALED
619	9553139.129	574144.373	17.863	MH110-SEALED
620	9553139.349	574144.878	17.827	MH110-SEALED
621	9553138.822	574145.110	17.834	MH110-SEALED
622	9553156.172	574136.657	17.893	MH113-SEALED

623	9553156.733	574136.415	17.898	MH113-SEALED
624	9553156.948	574136.876	17.841	MH113-SEALED
625	9553156.411	574137.174	17.837	MH113-SEALED
626	9553204.156	574115.193	17.831	MH117-SEALED
627	9553204.639	574114.973	17.836	MH117-SEALED
628	9553204.836	574115.387	17.852	MH117-SEALED
629	9553204.361	574115.609	17.856	MH117-SEALED
630	9553218.429	574108.610	17.850	MH118-SILTED
631	9553217.931	574108.799	17.789	MH118-SILTED
632	9553218.133	574109.249	17.858	MH118-SILTED
633	9553218.608	574109.015	17.830	MH118-SILTED
634	9553285.951	574073.773	17.374	MH119-SILTED
635	9553285.444	574073.947	17.373	MH119-SILTED
636	9553285.600	574074.401	17.419	MH119-SILTED
637	9553286.093	574074.212	17.391	MH119-SILTED
638	9553305.593	574067.624	17.238	MH1120-SILTED
639	9553305.079	574067.724	17.238	MH1120-SILTED
640	9553305.192	574068.194	17.261	MH1120-SILTED
641	9553305.703	574068.077	17.245	MH1120-SILTED
642	9553318.594	574064.804	17.111	MH1121-SILTED
643	9553318.084	574064.933	17.113	MH1121-SILTED
644	9553318.209	574065.393	17.161	MH1121-SILTED
645	9553318.723	574065.254	17.145	MH1121-SILTED
1	9553435.927	573824.329	19.657	MH1B
2	9553436.450	573824.297	19.661	MH1B
3	9553436.461	573824.780	19.644	MH1B
4	9553435.938	573824.793	19.628	MH1B-1M
5	9553448.150	573826.696	19.724	MH2B
6	9553447.990	573827.125	19.706	MH2B
7	9553448.488	573827.310	19.696	MH2B
8	9553448.630	573826.861	19.728	MH2B-1.18
9	9553461.710	573833.906	19.663	MH3B-1.24
10	9553461.445	573834.285	19.661	MH3B-1.24
11	9553461.877	573834.571	19.646	MH3B-1.24
12	9553462.088	573834.207	19.645	MH3B-1.24
13	9553461.225	573836.205	19.842	MH4B-1.8
14	9553460.866	573835.757	19.845	MH4B-1.8
15	9553460.818	573836.305	19.863	MH4B-1.8
16	9553477.270	573846.947	19.441	MH5B-1.1
17	9553477.647	573847.312	19.444	MH5B-1.1
18	9553477.952	573846.948	19.496	MH5B-1.1
19	9553477.649	573846.613	19.502	MH5B-1.1
20	9553491.340	573862.990	19.140	MH6B-0.9
21	9553491.601	573862.780	19.162	MH6B-0.9
22	9553491.922	573863.190	19.156	MH6B-0.9
23	9553491.645	573863.388	19.149	MH6B-0.9
24	9553492.758	573864.672	19.149	MH7B-SEALED
25	9553491.760	573865.341	19.151	MH7B-SEALED
26	9553492.552	573866.514	19.157	MH7B-SEALED
27	9553493.568	573865.840	19.142	MH7B-SEALED

28	9553498.718	573873.532	19.050	MH8B-SEALED
29	9553499.036	573873.963	19.052	MH8B-SEALED
30	9553499.269	573873.784	19.080	MH8B-SEALED
31	9553499.045	573873.452	19.056	MH8B-SEALED
32	9553498.083	573873.122	19.246	MH9B-SEALED
33	9553496.819	573873.817	19.256	MH9B-SEALED
34	9553497.582	573875.015	19.256	MH9B-SEALED
35	9553498.761	573874.370	19.219	MH9B-SEALED
36	9553507.617	573890.090	18.875	MH10B-0.86
37	9553507.933	573889.915	18.886	MH10B-0.86
38	9553508.176	573890.353	18.881	MH10B-0.86
39	9553507.849	573890.543	18.869	MH10B-0.86
40	9553507.063	573889.789	19.006	MH11B-SEALED
41	9553506.070	573890.338	19.012	MH11B-SEALED
42	9553506.635	573891.498	19.016	MH11B-SEALED
43	9553507.690	573890.994	19.006	MH11B-SEALED
44	9553521.046	573915.216	18.431	MH12B-SEALED
45	9553521.252	573915.663	18.444	MH12B-0.86
46	9553521.550	573915.502	18.452	MH12B-0.86
47	9553521.368	573915.051	18.454	MH12B-0.86
48	9553520.319	573916.633	18.507	MH13B-SEALED
49	9553521.493	573916.095	18.528	MH13B-SEALED
50	9553522.581	573918.258	18.512	MH13B-SEALED
51	9553521.355	573918.874	18.512	MH13B-SEALED
52	9553452.623	573812.779	20.191	MH14B-SEALED
53	9553453.746	573813.575	20.200	MH14B-SEALED
54	9553435.722	573798.134	19.731	MH15B-SEALED
55	9553435.507	573797.660	19.708	MH15B-SEALED
56	9553435.179	573797.799	19.754	MH15B-0.9
57	9553435.432	573798.245	19.762	MH15B-0.9
58	9553435.621	573796.877	19.933	MH16B
59	9553436.566	573797.962	19.962	MH16B-SEALED
60	9553437.630	573796.981	19.943	MH16B-SEALED
61	9553436.674	573795.952	19.942	MH16B-SEALED
62	9553433.229	573790.936	19.742	MH17B-0.77
63	9553433.364	573791.442	19.736	MH17B-0.77
64	9553432.885	573791.513	19.757	MH17B-0.77
65	9553432.775	573791.067	19.778	MH17B-0.77
66	9553431.229	573771.179	19.800	MH18B-SILTED`
67	9553431.277	573770.578	19.801	MH18B-SILTED`
68	9553430.777	573770.641	19.908	MH18B-SILTED`
69	9553430.865	573771.211	19.867	MH18B-SILTED`
70	9553432.323	573768.254	19.947	MH19B-SEALED
71	9553431.001	573768.407	19.955	MH19B-SEALED
72	9553430.861	573767.023	19.970	MH19B-SEALED
73	9553432.200	573766.906	19.970	MH19B-SEALED
74	9553429.462	573744.650	20.257	MH20B-SEALED
75	9553429.070	573743.306	20.244	MH20B-SEALED
76	9553427.752	573743.743	20.199	MH20B-SEALED
77	9553428.078	573745.051	20.215	MH20B-SEALED

78	9553420.041	573713.285	20.259	MH21B-SEALED
79	9553420.610	573714.349	20.228	MH21B-SEALED
80	9553419.398	573714.929	20.165	MH21B-SEALED
81	9553418.840	573713.628	20.219	MH21B-SEALED
82	9553408.265	573686.589	19.958	MH22B-SILTED
83	9553407.932	573686.740	19.981	MH22B-SILTED
84	9553407.781	573686.258	19.978	MH22B-SILTED
85	9553408.028	573686.124	19.952	MH22B-SILTED
86	9553407.844	573685.851	20.061	MH23B-SEALED
87	9553407.231	573684.539	20.044	MH23B-SEALED
88	9553408.412	573683.984	20.142	MH23B-SEALED
89	9553409.096	573685.277	20.160	MH23B-SEALED
90	9553393.389	573656.622	20.286	MH24B-SEALED
91	9553394.049	573657.739	20.271	MH24B-SEALED
92	9553395.323	573657.229	20.259	MH24B-SEALED
93	9553394.666	573655.820	20.249	MH24B-SEALED
94	9553384.237	573632.747	20.582	MH25B-SEALED
95	9553384.082	573631.322	20.555	MH25B-SEALED
96	9553385.385	573631.145	20.625	MH25B-SEALED
97	9553374.172	573641.629	20.255	MH26B-SILTED
98	9553374.454	573642.090	20.254	MH26B-SILTED
99	9553374.828	573641.822	20.346	MH26B-SILTED
100	9553374.570	573641.382	20.346	MH26B-SILTED
101	9553368.337	573655.575	19.796	MH27B-SILTED
102	9553368.603	573655.928	19.797	MH27B-SILTED
103	9553369.012	573655.706	20.011	MH27B-SILTED
104	9553368.754	573655.352	20.369	MH27B-SILTED
105	9553384.753	573658.343	20.007	MH28B-SILTED
106	9553384.778	573658.363	20.018	MH28B-1.02
107	9553385.211	573658.100	20.095	MH28B-1.02
108	9553384.938	573657.722	20.106	MH28B-1.02
109	9553384.439	573657.958	20.004	MH28B-1.02
110	9553378.317	573672.072	19.934	MH29B-BLOCKED
111	9553378.104	573671.685	19.931	MH29B-BLOCKED
112	9553378.481	573671.428	19.990	MH29B-BLOCKED
113	9553378.719	573671.863	20.018	MH29B-BLOCKED
114	9553386.352	573687.349	19.846	MH30B-SILTED
115	9553386.369	573687.351	19.849	MH30B-SILTED
116	9553386.586	573687.805	19.831	MH30B-SILTED
117	9553386.994	573687.584	19.874	MH30B-SILTED
118	9553386.773	573687.131	19.876	MH30B-SILTED
119	9553394.481	573675.690	19.918	MH31B-SILTED
120	9553394.701	573676.141	19.910	MH31B-SILTED
121	9553395.109	573675.936	20.005	MH31B-SILTED
122	9553394.851	573675.488	19.974	MH31B-SILTED
123	9553403.053	573693.668	19.891	MH32B-SILTED
124	9553402.842	573693.190	19.882	MH32B-SILTED
125	9553403.260	573693.014	20.010	MH32B-SILTED
126	9553403.446	573693.513	19.942	MH32B-SILTED
127	9553388.726	573697.023	19.976	MH31B-SILTED

128	9553389.044	573696.605	19.963	MH33B-SILTED
129	9553388.501	573696.642	19.958	MH33B-SILTED
130	9553388.753	573697.039	19.975	MH33B-SILTED
131	9553394.155	573704.775	19.737	MH34B-SILTED
132	9553394.327	573705.308	19.729	MH34B-SILTED
133	9553394.756	573705.096	19.779	MH34B-SILTED
134	9553394.547	573704.664	19.798	MH34B-SILTED
135	9553410.170	573712.084	19.921	MH35B-1.04
136	9553410.599	573711.948	19.986	MH35B-1.04
137	9553410.767	573712.434	19.945	MH35B-1.04
138	9553410.316	573712.600	19.921	MH35B-1.04
139	9553400.676	573724.147	19.663	MH3B-SILTED
140	9553400.250	573724.184	19.641	MH3B-SILTED
141	9553400.302	573724.696	19.644	MH3B-SILTED
142	9553400.754	573724.612	19.661	MH3B-SILTED
143	9553400.763	573724.629	19.662	MH36B-SILTED
144	9553400.678	573724.081	19.662	MH36B-SILTED
145	9553400.242	573724.164	19.646	MH36B-SILTED
146	9553400.265	573724.709	19.640	MH36B-SILTED
147	9553398.936	573736.296	19.773	MH37B
148	9553399.285	573736.723	19.770	MH37B
149	9553398.795	573736.840	19.780	MH37B
150	9553415.969	573731.662	19.856	MH38B-SILTED
151	9553416.121	573732.190	19.873	MH38B-SILTED
152	9553416.555	573732.050	19.910	MH38B-SILTED
153	9553416.442	573731.540	19.921	MH38B-SILTED
154	9553415.678	573736.562	19.996	MH39B-SILTED
155	9553415.863	573737.035	19.991	MH39B-SILTED
156	9553416.108	573736.616	20.004	MH39B-SILTED
157	9553402.110	573744.953	19.529	MH39B-SILTED
158	9553402.160	573744.949	19.507	MH40B-SILTED
159	9553402.012	573744.518	19.524	MH40B-SILTED
160	9553406.522	573764.766	19.488	MH41B-SILTED
161	9553406.463	573764.293	19.501	MH41B-SILTED
162	9553406.865	573764.126	19.588	MH41B-SILTED
163	9553407.009	573764.633	19.574	MH41B-SILTED
164	9553419.708	573751.192	19.803	MH42B-SILTED
165	9553419.566	573750.708	19.820	MH42B-SILTED
166	9553419.959	573750.672	19.907	MH42B-SILTED
167	9553420.120	573751.123	19.826	MH42B-SILTED
168	9553421.591	573771.237	19.776	MH43B-SILTED
169	9553421.516	573770.755	19.774	MH43B-SILTED
170	9553422.005	573770.724	19.784	MH43B-SILTED
171	9553422.032	573771.213	19.787	MH43B-SILTED
172	9553409.175	573783.429	19.505	MH44B-SILTED
173	9553409.187	573783.937	19.498	MH44B-SILTED
174	9553409.614	573783.910	19.538	MH44B-SILTED
175	9553409.618	573783.423	19.541	MH44B-SILTED
176	9553407.617	573786.752	19.687	MH44B-BLOCKED
177	9553407.237	573787.125	19.663	MH44B-BLOCKED

178	9553407.084	573786.756	19.665	MH44B-BLOCKED
179	9553417.653	573786.836	19.881	MH45B-SEALED
180	9553417.198	573786.698	19.883	MH45B-SEALED
181	9553417.388	573787.197	19.887	MH45B-SEALED
182	9553421.479	573791.177	19.738	MH47B-SILTED
183	9553421.432	573791.182	19.740	MH47B-SILTED
184	9553421.356	573791.715	19.741	MH47B-SILTED
185	9553421.863	573791.708	19.762	MH47B-SILTED
186	9553421.869	573791.244	19.747	MH47B-SILTED
187	9553408.924	573796.712	19.430	MH48B-SILTED
188	9553408.468	573796.644	19.414	MH48B-SILTED
189	9553408.397	573797.168	19.374	MH48B-SILTED
190	9553408.832	573797.231	19.450	MH48B-SILTED
191	9553406.779	573810.331	19.318	MH49B-1.16
192	9553407.162	573810.403	19.361	MH49B-1.16
193	9553407.335	573809.859	19.344	MH49B-1.16
194	9553406.852	573809.785	19.311	MH49B-1.16
195	9553382.763	573664.144	20.311	MH-50 SEALED
196	9553383.255	573663.729	20.286	MH-50 SEALED
197	9553382.829	573663.212	20.294	MH-50 SEALED
198	9553382.339	573663.623	20.308	MH-50 SEALED
1	9553247.913	573704.811	19.668	MH1A-SEALED
2	9553248.344	573705.115	19.631	MH1A-SEALED
3	9553247.937	573705.342	19.614	MH1A-SEALED
4	9553272.227	573689.934	19.715	MH2A-1.08
5	9553271.939	573690.250	19.719	MH2A-1.08
6	9553272.332	573690.614	19.731	MH2A-1.08
7	9553272.628	573690.286	19.719	MH2A-1.08
8	9553296.774	573672.886	19.913	MH3A-1.3
9	9553297.082	573673.293	19.926	MH3A-1.3
10	9553296.694	573673.572	19.928	MH3A-1.3
11	9553296.400	573673.215	19.914	MH3A-1.3
12	9553355.803	573644.753	20.103	MH4A-0.65
13	9553355.802	573644.273	20.133	MH4A-0.65
14	9553356.310	573644.230	20.152	MH4A-0.65
15	9553356.331	573644.788	20.112	MH4A-0.65
16	9553348.906	573635.793	20.243	MH5A-1.16
17	9553349.300	573635.978	20.238	MH5A-1.16
18	9553349.508	573635.490	20.230	MH5A-1.16
19	9553349.079	573635.315	20.240	MH5A-1.16
20	9553339.827	573615.811	20.567	MH6A-0.65
21	9553340.117	573616.276	20.478	MH6A-0.65
22	9553340.550	573615.971	20.601	MH6A-0.65
23	9553340.223	573615.535	20.594	MH6A-0.65
24	9553327.909	573601.095	20.743	MH7A-0.7
25	9553328.221	573601.494	20.715	MH7A-0.7
26	9553328.562	573601.220	20.748	MH7A-0.7
27	9553328.270	573600.770	20.793	MH7A-0.7
28	9553315.694	573586.381	20.990	MH8A-SILTED
29	9553316.015	573586.798	20.984	MH8A-SILTED

30	9553316.416	573586.439	21.111	MH8A-SILTED
31	9553316.068	573586.043	21.107	MH8A-SILTED
32	9553303.193	573571.167	21.208	MH9A-SILTED
33	9553302.942	573570.728	21.204	MH9A-SILTED
34	9553302.571	573571.037	21.197	MH9A-SILTED
35	9553302.952	573571.529	21.173	MH9A-SILTED
36	9553276.660	573540.609	21.109	MH10A-SILTED
37	9553276.984	573540.317	21.144	MH10A-SILTED
38	9553276.761	573539.916	21.111	MH10A-SILTED
39	9553276.355	573540.189	21.101	MH10A-SILTED
40	9553271.588	573536.938	21.210	MH11A-SILTED
41	9553271.582	573536.975	21.206	MH11A-SEALED
42	9553271.144	573537.309	21.235	MH11A-SEALED
43	9553263.343	573525.008	20.911	MH12A-SILTED
44	9553262.948	573524.529	20.910	MH12A-SILTED
45	9553263.330	573524.172	20.896	MH12A-SILTED
46	9553263.674	573524.575	20.919	MH12A-SILTED
47	9553249.911	573509.125	20.494	MH12A-SILTED
48	9553249.894	573509.093	20.521	MH13A-SILTED
49	9553250.305	573508.708	20.617	MH13A-SILTED
50	9553250.678	573509.098	20.632	MH13A-SILTED
51	9553250.255	573509.440	20.550	MH13A-SILTED
52	9553238.124	573494.564	20.177	MH14A-1.15M
53	9553237.820	573494.768	20.129	MH14A-1.15M
54	9553237.442	573494.426	20.128	MH14A-1.15M
55	9553237.797	573494.122	20.233	MH14A-1.15M
56	9553222.291	573482.388	19.601	MH15A-SILTED
57	9553222.302	573481.843	19.639	MH15A-SILTED
58	9553221.761	573481.735	19.676	MH15A-SILTED
59	9553221.692	573482.259	19.630	MH15A-SILTED
60	9553222.535	573478.802	19.709	MH16A-SEALED
61	9553223.035	573478.420	19.718	MH16A-SEALED
62	9553222.690	573477.950	19.725	MH16A-SEALED
63	9553222.117	573478.320	19.720	MH16A-SEALED
64	9553229.153	573465.414	19.944	MH17A-SILTED
65	9553229.462	573465.081	20.077	MH17A-SILTED
66	9553229.872	573465.465	20.092	MH17A-SILTED
67	9553229.483	573465.825	19.968	MH17A-SILTED
68	9553252.959	573493.438	20.710	MH18A-SILTED
69	9553253.335	573493.127	20.875	MH18A-SILTED
70	9553253.640	573493.466	20.895	MH18A-SILTED
71	9553253.333	573493.837	20.732	MH18A-SILTED
72	9553275.659	573520.071	21.260	MH19A-1.50M
73	9553276.057	573519.713	21.439	MH19A-1.50M
74	9553276.370	573520.108	21.457	MH19A-1.50M
75	9553276.033	573520.516	21.276	MH19A-1.50M
76	9553300.748	573549.535	21.499	MH20-SILTED
77	9553301.074	573549.939	21.496	MH20-SILTED
78	9553301.582	573549.553	21.679	MH20-SILTED
79	9553301.210	573549.162	21.687	MH20-SILTED

80	9553327.329	573580.735	21.220	MH21A-SILTED
81	9553327.571	573581.149	21.210	MH21A-SILTED
82	9553327.961	573580.807	21.272	MH21A-SILTED
83	9553327.660	573580.440	21.349	MH21A-SILTED
84	9553384.985	573613.635	20.429	MH22A-1.16
85	9553383.890	573614.366	20.444	MH22A-1.16
86	9553384.211	573614.727	20.474	MH22A-1.16M
87	9553385.206	573614.048	20.483	MH22A-1.16M
88	9553371.514	573617.134	20.339	MH23A-0.96M
89	9553371.272	573616.850	20.351	MH23A-0.96M
90	9553371.868	573616.735	20.340	MH23A-0.96M
91	9553359.518	573604.620	20.682	MH24A-SILTED
92	9553359.143	573604.838	20.751	MH24A-SILTED
93	9553358.846	573604.563	20.762	MH24A-SILTED
94	9553359.138	573604.212	20.698	MH24A-SILTED
95	9553348.897	573591.971	20.837	MH25A-0.84M
96	9553348.533	573591.526	20.857	MH25A-0.84M
97	9553348.201	573591.848	20.860	MH25A-0.84M
98	9553348.404	573592.186	20.858	MH25A-0.84M
99	9553333.812	573574.669	21.224	MH26A-SILTED
100	9553333.444	573574.324	21.253	MH26A-SILTED
101	9553333.799	573573.986	21.157	MH26A-SILTED
102	9553334.138	573574.344	21.171	MH26A-SILTED
103	9553311.074	573547.865	21.471	MH27A-SILTED
104	9553311.377	573548.230	21.470	MH27A-SILTED
105	9553311.766	573547.975	21.442	MH27A-SILTED
106	9553311.411	573547.580	21.452	MH27A-SILTED
107	9553282.621	573513.654	21.228	MH28A-SILTED
108	9553282.332	573513.286	21.222	MH28A-SILTED
109	9553281.865	573513.584	21.346	MH28A-SILTED
110	9553282.264	573513.846	21.329	MH28A-SILTED
111	9553265.389	573493.423	20.814	MH29A-SILTED
112	9553265.057	573493.038	20.820	MH29A-SILTED
113	9553264.855	573493.235	20.849	MH29A-SILTED
114	9553265.180	573493.607	20.854	MH29A-SILTED
115	9553249.766	573475.070	20.315	MH30A-SILTED
116	9553249.388	573475.451	20.481	MH30A-SILTED
117	9553249.489	573474.089	22.769	MH30A-SILTED
118	9553249.971	573473.687	22.624	MH30A-SILTED
119	9553241.896	573463.901	20.041	MH31A-SEALED
120	9553242.338	573463.607	20.040	MH31A-SEALED
121	9553242.637	573464.011	20.052	MH31A-SEALED
122	9553242.249	573464.420	20.032	MH31A-SEALED
123	9553221.754	573442.082	19.701	MH32A-1.05M
124	9553221.381	573442.478	19.826	MH32A-1.05M
125	9553220.922	573442.039	19.803	MH32A-1.05M
126	9553221.371	573441.661	19.691	MH32A-1.05M
127	9553205.439	573422.951	19.894	MH33A-SILTED
128	9553205.108	573422.552	19.900	MH33A-SILTED
129	9553204.964	573422.695	19.929	MH33A-SILTED

130	9553205.250	573423.107	19.930	MH33A-SILTED
131	9553194.490	573407.609	20.444	MH34A-SEALED
132	9553194.731	573408.299	20.637	MH34A-SEALED
133	9553195.312	573407.841	20.467	MH34A-SEALED
134	9553185.639	573399.661	20.546	MH35A-SILTED
135	9553185.277	573399.325	20.527	MH35A-SILTED
136	9553184.934	573399.464	20.550	MH35A-SILTED
137	9553158.400	573367.754	21.387	MH36A-SILTED
138	9553158.095	573367.389	21.419	MH36A-SILTED
139	9553157.752	573367.673	21.458	MH36A-SILTED
140	9553158.117	573368.027	21.415	MH36A-SILTED
141	9553131.439	573336.867	22.333	MH37A-1.10M
142	9553131.057	573336.537	22.354	MH37A-1.10M
143	9553131.416	573336.238	22.294	MH37A-1.10M
144	9553131.779	573336.541	22.272	MH37A-1.10M
145	9553128.256	573329.773	22.562	MH38A-2.40M
146	9553127.802	573329.352	22.579	MH38A-2.40M
147	9553128.312	573328.958	22.596	MH38A-2.40M
148	9553128.626	573329.390	22.593	MH38A-2.40M
149	9553110.885	573309.942	22.581	MH39A-BLOCKED
150	9553110.897	573309.902	22.584	MH39A-BLOCKED
151	9553111.086	573310.335	22.577	MH39A-BLOCKED
152	9553110.664	573310.545	22.534	MH39A-BLOCKED
153	9553110.436	573310.230	22.476	MH39A-BLOCKED
154	9553169.371	573395.285	20.742	MH40A-SILTED
155	9553169.717	573394.899	20.931	MH40A-SILTED
156	9553170.068	573395.243	20.921	MH40A-SILTED
157	9553169.680	573395.610	20.747	MH40A-SILTED
158	9553195.312	573425.704	19.994	MH41A-0.62
159	9553195.751	573425.328	20.168	MH41A-0.62
160	9553196.080	573425.771	20.157	MH41A-0.62
161	9553195.695	573426.111	19.997	MH41A-0.62
162	9553212.291	573445.632	19.709	MH42A-1.10M
163	9553212.552	573445.396	19.722	MH42A-1.10M
164	9553212.920	573445.712	19.755	MH42A-1.10M
165	9553212.620	573446.002	19.718	MH42A-1.10M
166	9553229.127	573465.481	19.912	MH44A-SILTED
167	9553229.447	573465.151	20.053	MH44A-SILTED
168	9553229.915	573465.481	20.078	MH44A-SILTED
169	9553229.427	573465.873	19.900	MH44A-SILTED
170	9553210.692	573466.141	19.453	MH45A-SILTED
171	9553210.596	573465.670	19.489	MH45A-SILTED
172	9553211.072	573465.546	19.515	MH45A-SILTED
173	9553211.175	573466.031	19.521	MH45A-SILTED
174	9553205.083	573456.503	19.494	MH46A-1.28M
175	9553204.737	573456.105	19.462	MH46A-1.28M
176	9553205.175	573455.694	19.599	MH46A-1.28M
177	9553205.502	573456.043	19.600	MH46A-1.28M
178	9553192.225	573441.409	19.587	MH47A-SILTED
179	9553192.570	573441.047	19.697	MH47A-SILTED

180	9553192.940	573441.503	19.675	MH47A-SILTED
181	9553192.564	573441.783	19.586	MH47A-SILTED
182	9553178.740	573425.527	19.936	MH48A-SILTED
183	9553178.775	573425.539	19.940	MH48A-SILTED1.15
184	9553178.411	573425.132	19.940	MH48A-SILTED1.15
185	9553178.826	573424.725	20.073	MH48A-SILTED1.15
186	9553179.152	573425.155	20.059	MH48A-SILTED1.15
187	9553177.543	573425.807	20.088	MH49A-1.26M
188	9553177.145	573426.149	20.169	MH49A-1.26M
189	9553176.848	573425.711	20.190	MH49A-1.26M
190	9553177.254	573425.352	20.101	MH49A-1.26M
191	9553165.617	573410.110	20.346	MH50A-SEALED
192	9553165.912	573409.867	20.406	MH50A-SEALED
193	9553165.652	573409.480	20.440	MH50A-SEALED
194	9553165.300	573409.668	20.397	MH50A-SEALED
195	9553152.368	573394.500	20.828	MH51A-SILTED
196	9553152.030	573394.118	20.835	MH51A-SILTED
197	9553152.362	573393.853	20.868	MH51A-SILTED
198	9553152.727	573394.229	20.874	MH51A-SILTED
199	9553139.201	573379.048	21.250	MH52A-SILTED
200	9553138.902	573378.703	21.266	MH52A-SILTED
201	9553139.185	573378.324	21.334	MH52A-SILTED
202	9553139.538	573378.736	21.342	MH52A-SILTED
203	9553135.752	573376.364	21.474	MH53A-SEALED
204	9553135.328	573375.929	21.486	MH53A-SEALED
205	9553134.536	573376.413	21.519	MH53A-SEALED
206	9553135.022	573376.980	21.521	MH53A-SEALED
207	9553126.583	573364.310	21.699	MH54A-1.00M
208	9553126.942	573364.043	21.776	MH54A-1.00M
209	9553126.645	573363.642	21.782	MH54A-1.00M
210	9553126.289	573363.917	21.705	MH54A-1.00M
211	9553113.712	573349.167	22.097	MH55A-SILTED
212	9553114.034	573349.527	22.096	MH55A-SILTED
213	9553114.490	573349.212	22.204	MH55A-SILTED
214	9553114.165	573348.791	22.231	MH55A-SILTED
215	9553102.111	573335.513	22.500	MH56A-SILTED
216	9553101.751	573335.119	22.501	MH56A-SILTED
217	9553102.078	573334.832	22.508	MH56A-SILTED
218	9553102.429	573335.172	22.465	MH56A-SILTED
219	9553098.431	573331.210	22.616	MH57A-SILTED
220	9553098.039	573330.792	22.629	MH57A-SILTED
221	9553098.405	573330.441	22.775	MH57A-SILTED
222	9553098.816	573330.840	22.759	MH57A-SILTED
223	9553087.511	573323.066	22.823	MH58A-0.8M
224	9553087.021	573322.954	22.803	MH58A-0.8M
225	9553087.298	573322.611	22.806	MH58A-0.8M
226	9553072.910	573330.501	22.741	MH59A-1.02M
227	9553072.619	573330.238	22.753	MH59A-1.02M
228	9553073.272	573330.233	22.732	MH59A-1.02M
229	9553073.021	573329.806	22.769	MH59A-1.02M

230	9553051.506	573348.743	22.518	MH60A-1.02M
231	9553051.217	573348.471	22.601	MH60A-1.02M
232	9553051.602	573348.043	22.612	MH60A-1.02M
233	9553051.913	573348.407	22.545	MH60A-1.02M
234	9553028.857	573368.161	22.213	MH61A-BLOCKED
235	9553028.806	573368.258	22.278	MH61A-BLOCKED
236	9553005.855	573387.536	21.693	MH62A-0.90M
237	9553005.473	573387.849	21.742	MH62A-0.90M
238	9553005.302	573387.648	21.767	MH62A-0.90M
239	9553005.607	573387.212	21.765	MH62A-0.90M
240	9553001.601	573392.401	21.693	MH63A-SEALED
241	9553002.042	573392.999	21.656	MH63A-SEALED
242	9553001.575	573393.557	21.581	MH63A-SEALED
243	9553001.015	573392.861	21.651	MH63A-SEALED
244	9552940.972	573443.635	20.701	MH64A-SEALED
245	9552941.511	573444.248	20.704	MH64A-SEALED
246	9552940.879	573444.969	20.712	MH64A-SEALED
247	9552940.271	573444.324	20.683	MH64A-SEALED
248	9552936.297	573446.803	20.246	MH65A-1.10M
249	9552935.878	573447.135	20.289	MH65A-1.10M
250	9552935.602	573446.872	20.394	MH65A-1.10M
251	9552935.946	573446.421	20.440	MH65A-1.10M
252	9552909.567	573440.638	20.237	MH66A-SEALED
253	9552909.978	573441.163	20.198	MH66A-SEALED
254	9552910.511	573440.862	20.201	MH66A-SEALED
255	9552910.209	573440.275	20.207	MH66A-SEALED
256	9552917.510	573435.341	20.333	MH67A-1.00M
257	9552917.890	573435.066	20.327	MH67A-1.00M
258	9552917.624	573434.700	20.293	MH67A-1.00M
259	9552917.172	573434.977	20.285	MH67A-1.00M
260	9552943.294	573412.867	20.768	MH68A-SILTED
261	9552943.670	573412.488	20.794	MH68A-SILTED
262	9552943.938	573412.778	20.814	MH68A-SILTED
263	9552943.547	573413.101	20.811	MH68A-SILTED
264	9552966.381	573393.221	21.185	MH69A-SILTED
265	9552966.790	573392.793	21.175	MH69A-SILTED
266	9552967.079	573393.103	21.226	MH69A-SILTED
267	9552966.720	573393.547	21.320	MH69A-SILTED
268	9552987.500	573373.478	21.761	MH70A-SEALED
269	9552988.012	573373.134	21.735	MH70A-SEALED
270	9552988.473	573373.649	21.748	MH70A-SEALED
271	9552996.796	573367.247	21.847	MH71A-0.68
272	9552997.212	573366.914	21.887	MH71A-0.68
273	9552997.498	573367.203	21.928	MH71A-0.68
274	9552997.126	573367.617	21.948	MH71A-0.68
275	9553019.391	573348.085	22.341	MH72A-1.05M
276	9553019.736	573347.767	22.340	MH72A-1.05M
277	9553020.015	573348.023	22.417	MH72A-1.05M
278	9553019.690	573348.357	22.460	MH72A-1.05M
279	9553040.822	573329.809	22.710	MH73A-0.96M

280	9553041.136	573329.510	22.664	MH73A-0.96M
281	9553041.429	573329.833	22.743	MH73A-0.96M
282	9553041.034	573330.093	22.738	MH73A-0.96M
283	9553061.936	573312.074	22.893	MH74A-SILTED
284	9553062.380	573311.696	22.831	MH74A-SILTED
285	9553062.781	573312.097	22.941	MH74A-SILTED
286	9553062.327	573312.593	22.962	MH74A-SILTED
287	9553068.298	573303.065	22.849	MH75A-0.5M
288	9553068.402	573302.598	22.865	MH75A-0.5M
289	9553068.505	573302.688	22.888	MH75A-0.5M
290	9553068.810	573302.650	22.890	MH75A-0.5M
291	9553068.594	573303.148	22.905	MH75A-0.5M
292	9553066.037	573293.661	22.931	MH76A-1.23M
293	9553066.612	573293.190	22.915	MH76A-1.23M
294	9553066.104	573292.566	22.921	MH76A-1.23M
295	9553065.699	573292.694	22.974	MH76A-1.23M
296	9553056.351	573281.473	22.730	MH77A-1.14
297	9553056.136	573281.156	22.739	MH77A-1.14
298	9553056.282	573280.958	22.743	MH77A-1.14
299	9553056.642	573281.310	22.781	MH77A-1.14
300	9553042.822	573265.493	22.640	MH78A-1.15M
301	9553043.121	573265.177	22.648	MH78A-1.15M
302	9553043.465	573265.573	22.654	MH78A-1.15M
303	9553043.153	573265.860	22.643	MH78A-1.15M
304	9553030.248	573250.657	22.568	MH79A-1.05M
305	9553030.436	573250.463	22.602	MH79A-1.05M
306	9553030.846	573250.701	22.599	MH79A-1.05M
307	9553030.553	573250.983	22.599	MH79A-1.05M
308	9553010.331	573227.106	22.700	MH80A-0.8M
309	9553010.644	573226.792	22.735	MH80A-0.8M
310	9553010.975	573227.139	22.714	MH80A-0.8M
311	9553010.612	573227.415	22.707	MH80A-0.8M
312	9552991.038	573204.409	22.943	MH81A-SILTED
313	9552991.383	573204.113	22.927	MH81A-SILTED
314	9552991.616	573204.537	22.917	MH81A-SILTED
315	9552991.416	573204.754	22.904	MH81A-SILTED
316	9552983.462	573197.988	23.128	MH82A-SEALED
317	9552983.263	573197.548	23.180	MH82A-SEALED
318	9552983.753	573197.733	23.179	MH82A-SEALED
319	9552978.639	573189.767	23.010	MH83A-0.68M
320	9552978.381	573189.497	23.008	MH83A-0.68M
321	9552979.064	573189.534	23.053	MH83A-0.68M
322	9552997.483	573176.295	22.945	MH84A-0.86M
323	9552997.340	573176.489	22.904	MH84A-0.86M
324	9552997.438	573177.046	22.926	MH84A-0.86M
325	9552997.811	573176.780	22.904	MH84A-0.86M
326	9553025.703	573214.544	22.667	MH85A-SILTED
327	9553025.313	573214.836	22.711	MH85A-SILTED
328	9553025.639	573215.311	22.689	MH85A-SILTED
329	9553026.094	573214.985	22.667	MH85A-SILTED

330	9553028.339	573214.231	22.903	MH86A-1.9M.
331	9553028.740	573213.876	22.947	MH86A-1.9M.
332	9553029.156	573214.226	22.971	MH86A-1.9M.
333	9553028.732	573214.665	22.877	MH86A-1.9M.
334	9553065.144	573255.681	22.702	MH87A-BLOCKED
335	9553064.620	573256.135	22.692	MH87A-BLOCKED
336	9553065.618	573256.232	22.666	MH87A-BLOCKED
337	9553065.034	573256.700	22.706	MH87A-BLOCKED
338	9553070.330	573264.853	22.758	MH88A-2.10M
339	9553071.836	573263.739	22.735	MH88A-2.10M
340	9553081.205	573274.184	23.092	MH88A-2.10M
341	9553079.796	573275.552	23.019	MH88A-2.10M
342	9553084.693	573282.577	22.857	MH89A-1.32M
343	9553085.163	573281.750	22.860	MH89A-1.32M
344	9553086.149	573282.421	22.846	MH89A-1.32M
345	9553085.694	573283.305	22.879	MH89A-1.32M
346	9553086.310	573282.046	23.014	MH90A-SEALED
347	9553086.849	573280.963	23.062	MH90A-SEALED
348	9553087.929	573281.544	23.058	MH90A-SEALED
349	9553087.374	573282.647	22.987	MH90A-SEALED
350	9553086.363	573278.226	22.956	MH91A-2.00M
351	9553086.817	573277.711	23.042	MH91A-2.00M
352	9553086.385	573277.291	23.062	MH91A-2.00M
353	9553085.891	573277.736	22.975	MH91A-2.00M
354	9553103.715	573275.721	22.921	MH92A-SEALED
355	9553103.186	573275.121	22.941	MH92A-SEALED
356	9553103.766	573274.685	22.976	MH92A-SEALED
357	9553104.214	573275.160	22.925	MH92A-SEALED
91	9553315.592	573586.423	20.909	SHELLMH1
92	9553316.014	573586.145	20.994	SHELLMH1
93	9553316.369	573586.489	20.993	SHELLMH1
94	9553315.924	573586.785	20.905	SHELLMH1
95	9553327.838	573601.103	20.687	SHELLMH2
96	9553328.176	573600.836	20.769	SHELLMH2
97	9553328.516	573601.209	20.783	SHELLMH2
98	9553328.195	573601.529	20.692	SHELLMH2
99	9553336.574	573612.874	20.718	SHELLMH3
100	9553336.119	573613.333	20.787	SHELLMH3
101	9553336.506	573613.769	20.773	SHELLMH3
102	9553336.493	573613.769	20.774	SHELLMH3
103	9553337.018	573613.384	20.715	SHELLMH3
104	9553339.734	573615.861	20.506	SHELLMH4
105	9553340.144	573615.543	20.575	SHELLMH4
106	9553340.397	573615.932	20.575	SHELLMH4
107	9553340.126	573616.289	20.497	SHELLMH4
108	9553347.381	573628.359	20.523	SHELLMH5
109	9553346.680	573628.976	20.554	SHELLMH5
110	9553347.389	573629.784	20.526	SHELLMH5
111	9553348.094	573629.109	20.503	SHELLMH5

IS Manholes

335	9553144.245	573389.935	21.354	IS MH 2
336	9553144.688	573389.518	21.342	IS MH 2
337	9553145.106	573389.870	21.321	IS MH 2
338	9553144.694	573390.340	21.396	IS MH 2
379	9552862.028	573511.129	19.663	IS MH 9
380	9552861.501	573511.535	19.613	IS MH 9
381	9552861.818	573511.946	19.766	IS MH 9
382	9552862.291	573511.539	19.827	IS MH 9

MTN Manholes

285	9553397.356	573071.402	22.647	MTN MH 1
286	9553397.845	573071.993	22.665	MTN MH 1
287	9553398.727	573071.314	22.665	MTN MH 1
288	9553398.232	573070.702	22.674	MTN MH 1
331	9553113.168	573305.677	22.979	MTN MH 3
332	9553113.984	573305.649	22.980	MTN MH 3
333	9553114.076	573306.679	22.988	MTN MH 3
334	9553113.255	573306.768	22.950	MTN MH 3
339	9553144.963	573390.930	21.437	MTN MH 4
340	9553145.666	573390.368	21.217	MTN MH 4
341	9553146.230	573391.042	21.206	MTN MH 4
342	9553145.496	573391.630	21.371	MTN MH 4

Telkom Manholes

MH7T	9553166.699	573373.148	21.564	MH 7 A7 -4
	9553167.166	573372.667	21.604	MH 7 A7 -4
	9553166.760	573372.144	21.597	MH 7 A7 -4
	9553166.188	573372.564	21.538	MH 7 A7 -4
MH8T	9553126.702	573329.989	22.570	MH8 A7-4
	9553127.618	573331.134	22.538	MH8 A7-4
	9553128.179	573330.736	22.597	MH8 A7-4
	9553127.303	573329.581	22.568	MH8 A7-4
90	9553098.653	573278.606	23.026	A8-2MH21
91	9553099.258	573279.100	22.981	A8-2MH21
92	9553098.552	573279.849	23.019	A8-2MH21
93	9553097.840	573279.238	23.014	A8-2MH21
94	9553178.179	573215.254	22.652	A8-2MH22
95	9553179.207	573214.450	22.651	A8-2MH22
96	9553178.397	573213.634	22.684	A8-2MH22
97	9553177.533	573214.356	22.673	A8-2MH22
98	9553261.863	573149.616	22.252	A8-2MH24
99	9553261.188	573150.239	22.289	A8-2MH24
100	9553260.658	573149.893	22.225	A8-2MH24
101	9553261.317	573149.266	22.218	A8-2MH24

LTG Manholes

MHL3	9553114.565	573299.747	23.045	MH3 LIQUID
	9553115.160	573300.268	23.083	MH3 LIQUID
	9553115.999	573299.319	23.069	MH3 LIQUID

	9553115.605	573298.888	23.032	MH3 LIQUID
	9553115.503	573299.188	21.895	INV
MHL4	9553093.104	573278.805	23.065	MH4 LIQUID
	9553093.046	573279.474	23.083	MH4 LIQUID
	9553091.766	573279.552	23.094	MH4 LIQUID
	9553091.710	573278.938	23.145	MH4 LIQUID
	9553092.509	573278.952	22.518	INV
MHL5	9553027.387	573213.568	22.990	MH5 LIQUID
	9553026.900	573214.068	22.949	MH5 LIQUID
	9553026.043	573213.247	22.977	MH5 LIQUID
	9553026.404	573212.724	23.009	MH5 LIQUID
MH14L	9553396.469	573070.378	22.706	LTG MH14
	9553396.924	573070.949	22.717	LTG MH14
	9553396.481	573071.235	22.740	LTG MH14
	9553396.021	573070.778	22.701	LTG MH14
MH15L	9553287.474	573160.947	22.253	MH15
	9553285.845	573159.541	24.445	MH15
	9553286.120	573160.064	24.662	MH15
	9553286.743	573159.765	24.548	MH15
	9553286.296	573159.186	24.549	MH15
MH16L	9553095.733	573330.404	22.842	MH16 LIQUID
	9553096.483	573331.078	22.730	MH16 LIQUID
	9553095.801	573332.008	22.774	MH16 LIQUID
	9553095.034	573331.443	22.869	MH16 LIQUID
MH20L	9552940.204	573444.297	20.789	LIQUID MH20
	9552940.890	573443.692	20.816	LIQUID MH20
	9552941.514	573444.343	20.792	LIQUID MH20
	9552940.837	573445.010	20.786	LIQUID MH20

A8-7

Manholes

1	9552893.067	573456.484	19.984	MH1
2	9552892.500	573456.939	19.984	MH1
3	9552892.119	573456.554	19.918	MH1
4	9552892.718	573456.021	19.899	MH1
5	9552871.703	573474.498	19.579	MH2BLOCKED
6	9552871.302	573474.814	19.572	MH2BLOCKED
7	9552871.044	573474.507	19.572	MH2BLOCKED
8	9552871.433	573474.189	19.580	MH2BLOCKED
9	9552848.022	573493.476	19.382	MH3
10	9552847.760	573493.068	19.336	MH3
11	9552847.345	573493.387	19.339	MH3
12	9552847.629	573493.785	19.426	MH3
13	9552847.684	573493.451	19.307	MH3-0.98M

14	9552827.405	573507.704	19.231	MH4-BLOCKED
15	9552827.180	573507.299	19.213	MH4-BLOCKED
16	9552826.681	573507.613	19.174	MH4-BLOCKED
17	9552826.938	573508.000	19.218	MH4-BLOCKED
18	9552801.947	573524.669	19.035	MH5-1.1
19	9552802.246	573525.030	19.086	MH5-1.1
20	9552801.810	573525.373	19.087	MH5-1.1
21	9552801.539	573524.975	19.038	MH5-1.1
22	9552778.944	573541.116	18.941	MH5-BLOCKED
23	9552778.460	573541.464	18.984	MH5-BLOCKED
24	9552778.146	573541.080	18.922	MH5-BLOCKED
25	9552778.671	573540.767	18.900	MH6-BLOCKED
26	9552755.267	573557.458	18.852	MH7
27	9552754.966	573556.988	18.776	MH7
28	9552754.516	573557.304	18.744	MH7
29	9552754.826	573557.718	18.853	MH7
30	9552754.907	573557.301	18.752	MH7-0.97
31	9552748.995	573558.302	19.128	MH9-SEALED
32	9552749.700	573557.794	19.158	MH9-SEALED
33	9552749.258	573557.114	19.199	MH9-SEALED
34	9552748.475	573557.587	19.195	MH9-SEALED
35	9552735.375	573571.104	18.583	MH9-1.04
36	9552734.952	573571.415	18.568	MH9-1.04
37	9552734.719	573571.041	18.568	MH9-1.04
38	9552735.125	573570.761	18.550	MH9-1.04
39	9552715.887	573566.427	18.455	MH10-1.58
40	9552716.244	573566.152	18.403	MH10-1.58
41	9552715.939	573565.783	18.414	MH10-1.58
42	9552715.596	573566.027	18.471	MH10-1.58
43	9552707.631	573553.971	18.452	MH11-0.9
44	9552707.212	573554.199	18.494	MH11-0.9
45	9552706.525	573553.267	18.524	MH11-0.9
46	9552706.952	573552.924	18.501	MH11-0.9
47	9552708.055	573552.252	18.791	MH12-2.35
48	9552708.718	573553.189	18.810	MH12-2.35
49	9552709.459	573552.741	18.735	MH12-2.35
50	9552708.805	573551.673	18.793	MH12-2.35
51	9552701.098	573543.928	18.420	MH14
52	9552701.303	573544.233	18.414	MH14
53	9552701.494	573543.893	18.413	MH14
54	9552701.511	573544.067	18.180	MH14-INV
55	9552679.396	573512.816	18.564	MH15
56	9552679.641	573512.934	18.563	MH15
57	9552679.426	573512.558	18.573	MH15
58	9552679.834	573512.855	18.338	MH15-INV
59	9552658.590	573482.238	18.352	MH16-INV
60	9552658.567	573481.903	18.841	MH16
61	9552658.623	573482.313	18.785	MH16
62	9552658.267	573481.924	18.819	MH16
63	9552709.901	573569.874	18.371	MH17

64	9552710.286	573569.603	18.444	MH17
65	9552711.002	573570.623	18.443	MH17
66	9552710.653	573570.900	18.373	MH17
67	9552710.511	573570.245	18.396	MH17-1.18
68	9552706.944	573590.119	18.519	MH17-BLOCKED
69	9552707.178	573590.533	18.507	MH17-BLOCKED
70	9552706.788	573590.767	18.475	MH17-BLOCKED
71	9552706.586	573590.413	18.525	MH17-BLOCKED
72	9552685.167	573605.176	18.462	MH19-BLOCKED
73	9552685.493	573605.579	18.562	MH19-BLOCKED
74	9552685.007	573605.931	18.564	MH19-BLOCKED
75	9552684.749	573605.592	18.529	MH19-BLOCKED
76	9552664.773	573619.339	18.253	MH20-BLOCKED
77	9552665.015	573619.644	18.223	MH20-BLOCKED
78	9552664.583	573619.964	18.212	MH20-BLOCKED
79	9552664.363	573619.642	18.239	MH20-BLOCKED
80	9552657.136	573622.186	18.584	MH21-SEALED
81	9552657.884	573621.774	18.596	MH21-SEALED
82	9552643.706	573633.813	18.232	MH22-BLOCKED
83	9552643.982	573634.124	18.231	MH22-BLOCKED
84	9552643.421	573634.531	18.232	MH22-BLOCKED
85	9552643.137	573634.159	18.179	MH22-BLOCKED
86	9552621.765	573648.933	18.052	MH23
87	9552621.352	573649.213	18.148	MH23
88	9552621.635	573649.280	18.284	MH23-0.96
89	9552599.727	573664.130	18.138	MH24BLOCKED
90	9552599.012	573664.582	18.079	MH24BLOCKED
91	9552599.299	573664.953	18.070	MH24BLOCKED
92	9552590.776	573666.194	18.322	MH25-SEALED
93	9552591.344	573665.803	18.379	MH25-SEALED
94	9552591.010	573665.241	18.328	MH25-SEALED
95	9552590.452	573665.686	18.326	MH25-SEALED
96	9552584.014	573673.493	18.053	MH26-SEALED
97	9552583.739	573673.090	18.046	MH26-SEALED
98	9552583.305	573673.363	18.050	MH26-SEALED
99	9552583.551	573673.760	18.053	MH26-SEALED
100	9552604.475	573686.696	17.919	MH27
101	9552604.144	573686.307	17.984	MH27
102	9552604.615	573685.953	17.980	MH27
103	9552604.884	573686.404	17.900	MH27
104	9552604.577	573686.326	17.917	MH27-1.12
105	9552631.465	573667.468	17.940	MH28-1.03
106	9552631.887	573667.182	17.963	MH28-1.03
107	9552632.164	573667.565	17.906	MH28-1.03
108	9552631.748	573667.866	17.899	MH28-1.03
109	9552658.323	573649.591	18.011	MH28-BLOCKED
110	9552658.055	573649.228	18.024	MH28-BLOCKED
111	9552658.461	573648.911	18.054	MH28-BLOCKED
112	9552658.761	573649.307	18.023	MH28-BLOCKED
113	9552667.254	573644.003	18.367	MH30-SEALED

114	9552667.599	573644.515	18.412	MH30-SEALED
115	9552668.153	573643.444	18.335	MH30-SEALED
116	9552668.470	573643.952	18.358	MH30-SEALED
117	9552677.962	573636.002	18.133	MH31
118	9552677.703	573635.631	18.155	MH31
119	9552678.125	573635.324	18.162	MH31
120	9552678.388	573635.702	18.118	MH31-BLOCKED
121	9552697.879	573621.726	18.320	MH32-
122	9552698.314	573621.448	18.328	MH32-
123	9552698.564	573621.791	18.272	MH32-1.1
124	9552698.115	573622.090	18.249	MH32-1.1
125	9552718.032	573607.803	18.481	MH33
126	9552718.483	573607.496	18.482	MH33
127	9552718.747	573607.886	18.395	MH33-1.04
128	9552718.334	573608.163	18.411	MH33-1.04
129	9552745.347	573619.928	18.142	MH34-BLOCKED
130	9552745.678	573620.336	18.130	MH34-BLOCKED
131	9552746.062	573620.058	18.178	MH34-BLOCKED
132	9552745.760	573619.639	18.182	MH34-BLOCKED
133	9552766.077	573649.665	17.845	MH35-BLOCKED
134	9552766.374	573650.099	17.780	MH35-BLOCKED
135	9552766.772	573649.820	17.851	MH35-BLOCKED
136	9552766.485	573649.403	17.849	MH35-BLOCKED
137	9552799.996	573698.495	17.511	MH36-BLOCKED
138	9552800.266	573698.944	17.498	MH36-BLOCKED
139	9552800.707	573698.663	17.563	MH36-BLOCKED
140	9552800.403	573698.221	17.536	MH36-BLOCKED
141	9552813.711	573718.288	17.436	MH37-0.7
142	9552814.096	573718.013	17.494	MH37-0.7
143	9552814.391	573718.452	17.477	MH37-0.7
144	9552813.986	573718.707	17.417	MH37-0.7
145	9552827.869	573738.580	17.393	MH38
146	9552828.215	573738.354	17.373	MH38-BLOCKED
147	9552828.506	573738.771	17.406	MH38-BLOCKED
148	9552828.136	573739.010	17.371	MH38-BLOCKED
149	9552849.931	573746.863	17.553	MH39-SEALED
150	9552850.366	573747.413	17.517	MH39-SEALED
151	9552851.049	573746.995	17.444	MH39-SEALED
152	9552832.852	573735.814	17.381	MH40
153	9552832.472	573735.437	17.374	MH40-0.95
154	9552832.853	573735.151	17.403	MH40-0.95
155	9552833.167	573735.533	17.389	MH40-0.95
156	9552813.900	573708.843	17.539	MH41-1.13
157	9552813.621	573708.388	17.515	MH41-1.13
158	9552814.258	573708.573	17.476	MH41-1.13
159	9552814.052	573708.105	17.435	MH41-1.13
160	9552796.147	573683.184	17.592	MH42-0.92
161	9552795.888	573682.779	17.570	MH42-0.92
162	9552796.302	573682.487	17.538	MH42-0.92
163	9552796.562	573682.922	17.523	MH42-0.92

164	9552779.094	573657.678	17.714	MH43-BLOCKED
165	9552778.723	573657.961	17.747	MH43-BLOCKED
166	9552778.356	573657.488	17.744	MH43-BLOCKED
167	9552778.753	573657.226	17.686	MH43-BLOCKED
168	9552743.988	573607.290	18.226	MH44-BLOCKED
169	9552743.719	573606.819	18.228	MH44-BLOCKED
170	9552743.319	573607.121	18.233	MH44-BLOCKED
171	9552743.619	573607.535	18.235	MH44-BLOCKED
172	9552745.114	573592.689	18.691	MH45-SEALED
173	9552745.581	573593.300	18.719	MH45-SEALED
174	9552746.194	573591.896	18.744	MH45-SEALED
175	9552754.470	573583.262	18.599	MH46
176	9552754.252	573582.868	18.597	MH46
177	9552754.645	573582.576	18.705	MH46
178	9552754.889	573582.957	18.548	MH46
179	9552754.527	573582.903	18.565	MH46-0.78M
180	9552780.145	573565.638	18.795	MH47
181	9552780.572	573565.313	18.793	MH47
182	9552780.295	573564.863	18.907	MH47
183	9552835.784	573527.236	19.079	MH48
184	9552835.516	573526.868	19.095	MH48
185	9552835.949	573526.555	19.110	MH48
186	9552836.212	573526.927	19.088	MH48-0.7M
187	9552861.211	573509.042	19.327	MH49-1.15M
188	9552861.600	573508.762	19.295	MH49-1.15M
189	9552861.848	573509.115	19.279	MH49-1.15M
190	9552861.447	573509.379	19.329	MH49-1.15M
191	9552884.340	573491.250	19.400	MH50-COULD NOT BE MEASURED
192	9552884.694	573490.934	19.354	MH50-COULD NOT BE MEASURED
193	9552604.447	573686.627	17.870	MH51- 1.1
194	9552604.229	573686.273	17.905	MH51- 1.1
195	9552604.602	573686.023	17.894	MH51- 1.1
196	9552604.864	573686.337	17.857	MH51- 1.1
197	9552579.556	573703.812	17.876	MH52- 1
198	9552579.115	573704.121	17.864	MH52- 1
199	9552578.942	573703.858	17.863	MH52- 1
200	9552579.376	573703.557	17.872	MH52- 1
201	9552578.826	573706.134	18.167	MH53- SEALED
202	9552578.233	573706.590	18.158	MH53- SEALED
203	9552557.390	573718.570	17.841	MH54- 1.14
204	9552557.600	573718.922	17.853	MH54- 1.14
205	9552557.169	573719.249	17.842	MH54- 1.14
206	9552556.926	573718.895	17.858	MH54- 1.14
207	9552529.465	573738.364	17.764	MH55-0.78
208	9552529.198	573737.981	17.761	MH55-0.78
209	9552528.755	573738.284	17.770	MH55-0.78
210	9552529.037	573738.678	17.758	MH55-0.78
211	9552542.649	573778.025	17.671	MH56-0.72
212	9552542.252	573777.685	17.666	MH56-0.72
213	9552541.944	573778.027	17.707	MH56-0.72

214	9552542.322	573778.375	17.702	MH56-0.72
215	9552562.654	573796.042	17.497	MH56-0.72
216	9552562.650	573796.058	17.505	MH57-BLOCKED
217	9552562.215	573795.700	17.484	MH57-BLOCKED
218	9552561.851	573796.049	17.459	MH57-BLOCKED
219	9552562.207	573796.468	17.451	MH57-BLOCKED
220	9552581.181	573814.572	14.014	MH58-SEALED
221	9552581.712	573815.047	14.070	MH58-SEALED
222	9552581.280	573815.522	14.124	MH58-SEALED
223	9552582.917	573814.805	17.459	MH59-0.65
224	9552583.216	573814.472	17.403	MH59-0.65
225	9552583.274	573815.133	17.470	MH59-0.65
226	9552583.606	573814.840	17.446	MH59-0.65
227	9552603.550	573832.713	17.239	MH60
228	9552603.918	573832.988	17.244	MH60
229	9552603.538	573833.387	17.300	MH60
230	9552603.211	573833.074	17.293	MH60-1M
231	9552624.309	573851.352	17.149	MH61-0.63
232	9552623.924	573851.034	17.169	MH61-0.63
233	9552623.657	573851.350	17.214	MH61-0.63
234	9552623.995	573851.663	17.203	MH61-0.63
235	9552645.245	573869.969	17.018	MH62-BLOCKED
236	9552644.797	573869.626	17.013	MH62-BLOCKED
237	9552644.412	573870.042	17.031	MH62-BLOCKED
238	9552644.824	573870.424	17.024	MH62-BLOCKED
239	9552650.419	573875.951	17.067	MH63-SEALED
240	9552649.838	573875.463	17.049	MH63-SEALED
241	9552649.379	573875.997	17.046	MH63-SEALED
242	9552649.902	573876.480	17.059	MH63-SEALED
243	9552639.807	573875.465	17.061	MH64-BLOCKED
244	9552640.234	573875.049	17.060	MH64-BLOCKED
245	9552639.897	573874.652	17.063	MH64-BLOCKED
246	9552639.472	573874.905	17.089	MH64-BLOCKED
247	9552619.462	573857.126	17.212	MH65-0.61
248	9552619.742	573856.838	17.216	MH65-0.61
249	9552619.378	573856.440	17.229	MH65-0.61
250	9552619.087	573856.752	17.206	MH65-0.61
252	9552537.922	573783.397	17.594	MH69-0.75
253	9552537.513	573783.083	17.590	MH69-0.75
254	9552537.218	573783.404	17.621	MH69-0.75
255	9552537.599	573783.754	17.606	MH69-0.75
256	9552513.935	573761.999	17.757	MH70-0.75
257	9552514.321	573762.343	17.734	MH70-0.75
258	9552514.033	573762.669	17.757	MH70-0.75
259	9552513.610	573762.358	17.731	MH70-0.75
260	9552512.311	573753.149	17.922	MH71-SEALED
261	9552512.775	573753.560	17.933	MH71-SEALED
262	9552513.196	573753.118	17.945	MH71-SEALED
263	9552512.722	573752.644	17.951	MH71-SEALED
264	9552493.808	573763.160	17.650	MH72-0.75

265	9552493.450	573763.358	17.669	MH72-0.75
266	9552493.190	573763.016	17.695	MH72-0.75
267	9552493.595	573762.760	17.688	MH72-0.75
268	9552463.182	573784.450	17.583	MH73-0.85
269	9552462.956	573784.130	17.587	MH73-0.85
270	9552462.786	573784.756	17.587	MH73-0.85
271	9552462.517	573784.429	17.588	MH73-0.85
272	9552447.169	573795.826	17.439	MH74-0.75
273	9552446.767	573795.271	17.543	MH74-0.75
274	9552445.960	573795.798	17.515	MH74-0.75
275	9552446.453	573796.389	17.418	MH74-0.75
276	9552417.310	573817.122	17.799	MH74-BLOCKED
277	9552417.518	573817.479	17.823	MH74-BLOCKED
278	9552417.102	573817.739	17.835	MH74-BLOCKED
279	9552416.901	573817.371	17.828	MH74-BLOCKED
280	9552399.060	573828.847	17.766	MH76-BLOCKED
281	9552399.626	573828.480	17.694	MH76-BLOCKED
282	9552399.882	573828.820	17.733	MH76-BLOCKED
283	9552399.406	573829.199	17.745	MH76-BLOCKED
284	9552336.734	573873.263	18.006	MH77-BLOCKED
285	9552337.293	573872.893	17.986	MH77-BLOCKED
286	9552337.055	573872.482	18.004	MH77-BLOCKED
287	9552336.467	573872.720	18.007	MH77-BLOCKED
288	9552319.830	573858.135	18.331	MH78-1.36
289	9552320.101	573858.501	18.348	MH78-1.36
290	9552320.503	573858.221	18.327	MH78-1.36
291	9552320.251	573857.869	18.358	MH78-1.36
292	9552393.269	573807.073	17.968	MH79-SEALED
293	9552393.689	573806.885	17.960	MH79-SEALED
294	9552393.550	573806.371	17.956	MH79-SEALED
295	9552393.094	573806.493	17.956	MH79-SEALED
296	9552422.353	573785.762	17.561	MH80-SEALED
297	9552422.768	573786.238	17.563	MH80-SEALED
298	9552423.315	573785.820	17.551	MH80-SEALED
299	9552422.917	573785.308	17.556	MH80-SEALED
300	9552449.073	573768.449	17.544	MH81-0.67
301	9552449.338	573768.782	17.550	MH81-0.67
302	9552449.717	573768.490	17.540	MH81-0.67
303	9552449.511	573768.149	17.522	MH81-0.67
304	9552459.057	573761.469	17.567	MH82-0.72
305	9552459.291	573761.783	17.572	MH82-0.72
306	9552459.701	573761.522	17.609	MH82-0.72
307	9552459.490	573761.188	17.576	MH82-0.72
308	9552483.393	573744.475	17.653	MH83-1.05
309	9552483.677	573744.835	17.661	MH83-1.05
310	9552484.090	573744.538	17.704	MH83-1.05
311	9552483.863	573744.146	17.698	MH83-1.05
312	9552488.184	573721.475	17.829	MH83-BLOCKED
313	9552488.665	573721.419	17.867	MH84-BLOCKED
314	9552488.763	573721.911	17.878	MH84-BLOCKED

315	9552488.321	573721.999	17.851	MH84-BLOCKED
316	9552490.637	573688.114	17.903	MH85-0.7
317	9552490.193	573688.200	17.921	MH85-0.7
318	9552490.123	573687.691	17.944	MH85-0.7
319	9552490.540	573687.619	17.897	MH85-0.7
320	9552495.728	573720.110	17.838	MH86-0.75
321	9552495.910	573720.613	17.838	MH86-0.75
322	9552495.452	573720.768	17.877	MH86-0.75
323	9552495.278	573720.295	17.873	MH86-0.75
324	9552499.919	573732.360	17.989	MH87-SEALED
325	9552500.159	573732.724	17.999	MH87-SEALED
326	9552499.625	573733.113	17.998	MH87-SEALED
327	9552499.380	573732.749	17.975	MH87-SEALED
328	9552509.129	573726.897	17.943	MH87-BLOCKED
329	9552509.627	573726.680	17.964	MH87-BLOCKED
330	9552509.432	573726.286	17.930	MH87-BLOCKED
331	9552508.979	573726.436	17.924	MH87-BLOCKED
332	9552521.343	573718.741	17.897	MH89-0.95
333	9552521.772	573718.491	17.917	MH89-0.95
334	9552521.594	573718.140	17.885	MH89-0.95
335	9552521.158	573718.414	17.874	MH89-0.95
336	9552547.623	573700.629	17.912	MH90-1
337	9552547.205	573700.963	18.005	MH90-1
338	9552546.934	573700.593	17.901	MH90-1
339	9552572.572	573682.838	17.974	MH91-1
340	9552572.084	573683.167	17.990	MH91-1
341	9552570.190	573683.014	18.382	MH92
342	9552569.668	573683.391	18.370	MH92
343	9552569.207	573682.878	18.153	MH92
344	9552569.723	573682.426	18.273	MH92
345	9552276.540	573916.921	18.542	MH93-BLOCKED
346	9552276.115	573917.249	18.542	MH93-BLOCKED
347	9552276.429	573917.643	18.535	MH93-BLOCKED
348	9552276.869	573917.283	18.529	MH93-BLOCKED
349	9552272.090	574052.947	18.273	MH94-0.9
350	9552272.357	574051.908	18.300	MH94-0.9
351	9552271.441	574051.707	18.307	MH94-0.9
352	9552271.362	574051.958	18.378	MH94-0.9
353	9552270.498	574051.745	18.270	MH94-0.9
354	9552270.284	574052.537	18.249	MH94-0.9
355	9552279.343	574053.922	18.172	MH95-SEALED
356	9552279.939	574054.161	18.175	MH95-SEALED
357	9552280.185	574053.562	18.130	MH95-SEALED
358	9552279.574	574053.422	18.128	MH95-SEALED
359	9552034.714	574061.303	19.459	MH96-BLOCKED
360	9552034.438	574060.923	19.468	MH96-BLOCKED
361	9552033.585	574061.615	19.454	MH96-BLOCKED
362	9552035.987	574032.331	19.359	MH97-BLOCKED
363	9552036.354	574032.713	19.473	MH97-BLOCKED
364	9552036.893	574032.240	19.471	MH97-BLOCKED

365	9552036.494	574031.968	19.319	MH97-BLOCKED
366	9552123.731	573984.201	19.736	MH99-BLOCKED
367	9552124.371	573984.005	19.757	MH99-BLOCKED
368	9552124.409	573984.267	19.727	MH99-BLOCKED
369	9552123.869	573984.410	19.707	MH99-BLOCKED
370	9552096.044	573992.537	19.664	MH98-BLOCKED
371	9552096.242	573993.289	19.677	MH98-BLOCKED
372	9552097.001	573993.125	19.641	MH98-BLOCKED
373	9552096.759	573992.368	19.621	MH98-BLOCKED
374	9552168.664	573970.632	19.500	MH100-BLOCKED
375	9552168.850	573971.124	19.428	MH100-BLOCKED
376	9552169.343	573970.999	19.435	MH100-BLOCKED
377	9552169.214	573970.533	19.428	MH100-BLOCKED

Power Posts

P1	9552395.731	573818.520	18.155	Powerpost
P2	9552397.714	573816.972	18.116	Powerpost
P3	9552399.821	573829.787	18.038	Powerpost
P4	9552431.453	573793.405	17.923	Powerpost
P5	9552420.891	573786.382	17.871	Powerpost
P6	9552452.035	573807.049	17.622	Powerpost
P7	9552452.234	573807.578	17.679	Powerpost
P8	9552453.845	573793.930	17.827	Powerpost
P9	9552449.552	573780.840	18.197	Powerpost
P10	9552437.658	573760.247	17.824	Powerpost
P11	9552469.427	573753.423	17.978	Powerpost
P12	9552495.170	573749.156	18.142	Powerpost
P13	9552497.193	573747.595	18.153	Powerpost
P14	9552493.861	573703.483	18.220	Powerpost
P15	9552488.485	573670.879	18.098	Powerpost
P16	9552485.330	573650.758	18.312	Powerpost
P17	9552479.902	573614.172	18.796	Powerpost
P18	9552479.189	573611.335	18.658	Powerpost
P19	9552483.705	573583.495	18.715	Powerpost
P20	9552454.063	573587.939	18.882	Powerpost
P21	9552451.772	573586.613	18.955	Powerpost
P22	9552533.448	573780.229	18.312	Powerpost
P23	9552535.250	573782.126	17.951	Powerpost
P24	9552550.298	573782.297	18.337	Powerpost
P25	9552569.372	573812.297	17.608	Powerpost
P26	9552588.042	573829.046	17.381	Powerpost
P27	9552604.412	573844.328	17.417	Powerpost
P28	9552608.723	573848.306	17.498	Powerpost
P29	9552622.468	573861.529	17.708	Powerpost
P30	9552624.392	573863.347	17.709	Powerpost
P31	9552636.865	573873.417	17.339	Powerpost
P32	9552555.599	573707.626	18.466	Powerpost
P33	9552608.059	573670.946	18.483	Powerpost
P 74	9552286.607	573895.168	18.904	Powerpost
P 75	9552288.519	573893.412	18.807	Powerpost

P 77	9552342.490	573856.459	18.566	Powerpost
P 78	9552363.408	573841.684	18.388	Powerpost

Street Lights

SL 1	9552414.263	573790.405	17.966	Street Light
SL 2	9552420.454	573786.809	17.866	Street Light
SL 3	9552548.807	573778.274	18.147	Street Light

Internet Posts

IP1	9552403.438	573813.248	18.235	Internet Post
IP2	9552498.668	573747.485	18.272	Internet Post
IP3	9552521.196	573732.026	18.337	Internet Post
IP5	9552309.092	573880.166	18.804	Internet Post

LV Building Connections

BLD LV	9552497.369	573762.037	18.035	Building LV Connection
BLD LV	9552481.962	573739.723	18.153	Building LV Connection
BLD LV	9552480.948	573699.710	18.201	Building LV Connection
BLD LV	9552479.655	573673.606	18.324	Building LV Connection
BLD LV	9552475.915	573659.756	18.298	Building LV Connection
BLD LV	9552486.386	573637.912	18.232	Building LV Connection
BLD LV	9552471.324	573623.560	18.639	Building LV Connection
BLD LV	9552630.189	573852.073	17.361	Building LV Connection
BLD LV	9552611.062	573834.659	17.502	Building LV Connection
BLD LV	9552560.353	573689.980	18.291	Building LV Connection

Road Signs

TS 1	9552400.521	573829.343	18.067	Road Sign
TS 2	9552413.584	573820.010	17.855	Road Sign
TS 3	9552442.668	573802.094	17.518	Road Sign
TS 4	9552446.544	573769.151	17.902	Road Sign
TS 5	9552515.710	573764.583	17.973	Road Sign
TS 5	9552521.907	573748.473	18.252	Road Sign
TS 6	9552584.748	573665.838	18.129	Road Sign
TS 7	9552596.837	573665.301	18.340	Road Sign
TS 8	9552613.720	573680.985	18.155	Road Sign

CCTV

CCTV1	9552532.576	573759.300	18.049	CCTV
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Billboards

BB 1	9552410.638	573822.061	17.814	Billboard
BB 2	9552404.761	573798.566	17.909	Billboard
BB 3	9552435.737	573804.403	17.748	Billboard
BB 4	9552460.433	573787.319	17.830	Billboard
BB 5	9552464.043	573757.148	17.961	Billboard
BB 6	9552490.220	573766.535	17.945	Billboard
BB 7	9552527.043	573745.287	18.647	Billboard
BB 10	9552532.104	573759.599	18.072	Billboard
BB 11	9552548.661	573726.573	18.124	Billboard

BB 12	9552551.119	573696.370	18.319	Billboard
BB 13	9552573.608	573681.357	18.311	Billboard
BB 14	9552597.112	573665.098	18.341	Billboard

Water Valve Manholes

VALVE 1	9552525.505	573745.261	18.670	Water Valve Manhole
VALVE 1	9552526.228	573746.108	18.656	Water Valve Manhole
VALVE 1	9552524.668	573745.989	18.654	Water Valve Manhole
VALVE 1	9552525.356	573746.711	18.689	Water Valve Manhole
VALVE 1	9552525.208	573745.612	18.628	Water Valve Manhole

Safaricom Manholes

MHSF5	9552298.810	573902.984	18.617	Safaricom Manhole
MHSF5	9552299.573	573903.800	18.668	Safaricom Manhole
MHSF5	9552299.254	573902.631	18.597	Safaricom Manhole
MHSF5	9552300.076	573903.126	18.703	Safaricom Manhole
MHSF5	9552299.530	573903.095	18.630	Safaricom Manhole
MHSF4	9552336.871	573877.531	18.449	Safaricom Manhole
MHSF3	9552646.192	573869.227	17.218	Safaricom Manhole
MHSF3	9552646.762	573869.888	17.286	Safaricom Manhole
MHSF3	9552647.307	573869.573	17.366	Safaricom Manhole
MHSF3	9552646.974	573868.605	17.440	Safaricom Manhole
MHSF3	9552646.965	573869.047	17.420	Safaricom Manhole
MHSF2	9552527.624	573743.465	18.127	Safaricom Manhole
MHSF2	9552528.001	573743.098	18.165	Safaricom Manhole
MHSF2	9552528.621	573743.346	18.134	Safaricom Manhole
MHSF2	9552528.287	573744.169	18.154	Safaricom Manhole
MHSF2	9552528.373	573743.796	18.202	Safaricom Manhole
MHSF1	9552656.266	573653.194	18.250	Safaricom Manhole
MHSF1	9552656.659	573653.580	18.308	Safaricom Manhole
MHSF1	9552655.773	573653.790	18.308	Safaricom Manhole
MHSF1	9552656.238	573653.973	18.325	Safaricom Manhole

IS Manholes

MH7	9552517.669	573766.884	18.052	IS MH 7
	9552518.063	573767.170	18.042	IS MH 7
	9552517.787	573767.764	18.076	IS MH 7
	9552517.247	573767.362	18.080	IS MH 7
	9552695.963	573627.283	18.640	IS MH 7
MH8	9552695.967	573627.277	18.636	IS MH 8
	9552696.474	573626.892	18.672	IS MH 8
	9552696.879	573627.303	18.731	IS MH 8
	9552696.312	573627.712	18.624	IS MH 8

H-1

Powerposts

Code	Northings	Eastings(m)	Elevation(m)	Description
P 54	9551449.071	574106.220	18.546	Powerpost
P 55	9551457.159	574111.388	18.270	Powerpost

P 56	9551458.926	574112.499	18.318	Powerpost
P 57	9551460.936	574114.115	18.217	Powerpost
P 58	9551471.491	574116.757	18.298	Powerpost
P 59	9551523.917	574119.795	18.859	Powerpost
P 60	9551557.316	574122.812	19.122	Powerpost
P 61	9551625.751	573971.878	18.925	Powerpost
P 62	9551612.488	574022.688	19.315	Powerpost
P 63	9551612.108	574023.508	19.240	Powerpost
P 64	9551599.307	574075.520	19.171	Powerpost
P 65	9551592.392	574098.763	19.333	Powerpost
P 65	9551592.211	574100.441	19.350	Powerpost
P 66	9551586.531	574125.604	19.304	Powerpost
P 67	9551585.683	574127.625	19.280	Powerpost
P 68	9551566.702	574154.913	19.253	Powerpost
P 69	9551574.738	574171.412	19.494	Powerpost
P 70	9551574.466	574172.585	19.451	Powerpost
P 71	9551562.817	574218.650	19.551	Powerpost
P 72	9551551.604	574261.996	19.783	Powerpost
P 73	9551551.039	574262.808	19.907	Powerpost
P 74	9551546.230	574280.966	19.993	Powerpost
P 75	9551546.067	574282.667	19.917	Powerpost
P 86	9551643.162	574130.491	19.063	Powerpost
P 87	9551689.572	574132.137	18.935	Powerpost
P 88	9551699.767	574133.657	19.094	Powerpost
P 89	9551749.714	574136.520	18.723	Powerpost
Street Lights				
SL 1	9551591.171	574058.209	18.939	Street Light
SL 2	9551597.755	574034.425	18.798	Street Light
SL 3	9551604.956	574005.808	18.699	Street Light
SL 4	9551609.403	573987.271	18.587	Street Light
SL 5	9551614.496	573968.811	18.501	Street Light
SL 6	9551611.614	574071.263	18.922	Street Light
SL 7	9551600.861	574120.303	19.110	Street Light
SL 8	9551547.360	574282.918	20.139	Street Light
SL 9	9551545.467	574289.892	19.890	Street Light
SL 10	9551565.519	574160.809	19.278	Street Light
SL 11	9551558.415	574189.101	19.293	Street Light
SL 12	9551550.957	574218.924	19.368	Street Light
SL 13	9551542.661	574250.066	19.421	Street Light
SL 14	9551556.516	574285.618	19.629	Street Light
SL 15	9551567.854	574242.831	19.326	Street Light
SL 16	9551548.828	574266.919	20.043	Street Light
SL 17	9551551.375	574267.451	20.039	Street Light
SL 18	9551546.906	574274.538	20.056	Street Light

Traffic Sign

TS1	9551603.410	574136.218	19.090	Traffic Sign
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Billboards

BB1	9551575.961	574211.944	19.595	Billboard
BB1	9551577.083	574212.338	19.551	Billboard
BB2	9551574.811	574214.603	19.454	Billboard
BB2	9551576.710	574215.041	19.436	Billboard
BB3	9551574.837	574217.215	19.569	Billboard
BB3	9551575.353	574218.065	19.585	Billboard
BB4	9551572.768	574116.597	19.227	Billboard
BB4	9551572.566	574117.216	18.984	Billboard
BB4	9551570.512	574116.733	19.294	Billboard
BB4	9551570.581	574116.273	19.333	Billboard

Safaricom Manholes

MHSF1	9551660.719	573880.240	18.090	Safaricom Manhole
MHSF1	9551661.042	573879.095	18.099	Safaricom Manhole
MHSF1	9551661.392	573879.770	18.086	Safaricom Manhole
MHSF1	9551661.800	573880.438	18.081	Safaricom Manhole
MHSF1	9551662.151	573879.347	18.079	Safaricom Manhole
MHSF2	9551633.453	573992.917	18.574	Safaricom Manhole
MHSF2	9551632.542	573993.759	18.570	Safaricom Manhole
MHSF2	9551633.253	573994.394	18.580	Safaricom Manhole
MHSF2	9551634.081	573993.836	18.581	Safaricom Manhole
MHSF3	9551605.330	574137.380	19.137	Safaricom Manhole
MHSF3	9551604.873	574137.052	19.187	Safaricom Manhole
MHSF3	9551605.738	574137.059	19.180	Safaricom Manhole
MHSF3	9551605.716	574137.968	19.186	Safaricom Manhole
MHSF3	9551604.846	574137.923	19.172	Safaricom Manhole
MHSF4	9551672.616	574142.289	19.041	Safaricom Manhole
MHSF4	9551671.956	574142.219	19.052	Safaricom Manhole
MHSF4	9551671.875	574143.064	19.081	Safaricom Manhole
MHSF4	9551672.516	574143.183	19.070	Safaricom Manhole
MHSF4	9551672.226	574142.694	19.072	Safaricom Manhole
MHSF5	9551562.217	574133.296	19.067	Safaricom Manhole
MHSF5	9551561.753	574133.673	19.113	Safaricom Manhole
MHSF5	9551562.647	574133.755	19.123	Safaricom Manhole
MHSF5	9551562.761	574132.883	19.084	Safaricom Manhole
MHSF5	9551561.923	574132.754	19.118	Safaricom Manhole
MHSF6	9551479.351	574126.073	18.467	Safaricom Manhole
MHSF6	9551478.479	574126.064	18.466	Safaricom Manhole
MHSF6	9551479.371	574126.933	18.538	Safaricom Manhole
MHSF6	9551479.356	574126.920	18.536	Safaricom Manhole
MHSF6	9551478.502	574126.930	18.579	Safaricom Manhole
MHSF6	9551478.865	574126.461	18.516	Safaricom Manhole
MHSF40	9551546.815	574354.187	19.851	Safaricom Manhole
MHSF40	9551547.170	574354.888	19.805	Safaricom Manhole
MHSF40	9551547.961	574354.478	19.881	Safaricom Manhole
MHSF40	9551547.495	574353.767	19.915	Safaricom Manhole
MHSF40	9551547.473	574353.693	19.920	Safaricom Manhole
MHSF40	9551547.324	574354.231	19.876	Safaricom Manhole

Telkom Manholes

MH19T	9551445.529	574103.672	18.109	MH 19
	9551445.106	574104.528	18.114	MH 19
	9551446.837	574105.313	18.075	MH 19
	9551447.168	574104.686	18.199	MH 19
MH21T	9551548.543	574119.340	19.201	MH 21
	9551548.509	574120.137	19.130	MH 21
	9551546.863	574120.001	19.123	MH 21
	9551546.986	574119.120	19.199	MH 21
MH22T	9551574.085	574119.557	19.131	MH 22
	9551574.865	574120.111	19.115	MH 22
	9551575.557	574118.521	19.110	MH 22
	9551574.817	574118.054	19.167	MH 22
MH23T	9551601.279	574121.760	19.134	MH 23
	9551602.417	574122.203	19.179	MH 23
	9551601.675	574120.558	19.197	MH 23
	9551602.463	574120.640	19.333	MH 23
MH24T	9551611.888	574074.382	19.048	MH 24
	9551612.290	574072.778	18.983	MH 24
	9551613.323	574074.632	18.944	
	9551613.734	574073.081	18.943	
MH25T	9551635.849	573985.608	18.534	MH 25
	9551637.223	573985.992	18.603	MH 25
	9551635.609	573986.759	18.592	
	9551637.083	573987.022	18.656	
MH26T	9551597.625	574139.085	19.106	MH 26
	9551597.035	574138.959	19.114	MH 26
	9551596.814	574139.889	19.158	MH 26
	9551597.444	574140.222	19.197	MH 26
	9551583.148	574191.718	19.348	MH 26
MH27T	9551583.274	574191.665	19.386	MH 27
	9551583.665	574190.127	19.412	MH 27
	9551584.241	574191.960	19.430	MH 27
	9551584.690	574190.442	19.557	MH 27
MH28T	9551574.442	574230.689	19.499	MH 28
	9551573.911	574230.362	19.486	MH 28
	9551573.377	574231.501	19.521	MH 28
	9551574.098	574231.889	19.409	MH 28
MH29T	9551564.740	574265.794	19.611	MH 29
	9551564.180	574266.783	19.739	MH 29
	9551565.946	574266.589	19.704	

	9551565.175	574267.628	19.745	
MH30T	9551543.062	574349.777	19.801	MH 30
	9551544.069	574349.825	19.814	MH 30
	9551543.814	574351.563	19.814	MH 30
	9551542.729	574351.417	19.810	MH 30
MH31T	9551538.762	574367.095	19.811	MH 31
	9551537.757	574366.599	19.804	MH 31
	9551537.355	574366.940	19.804	MH 31
	9551536.982	574367.773	19.835	MH 31
	9551538.186	574368.277	19.841	MH 31
MH32T	9551570.355	574141.696	19.150	MH 32
	9551569.862	574141.539	19.150	MH 32
	9551569.641	574142.468	19.162	MH 32
	9551570.212	574142.602	19.197	MH 32
	9551557.629	574192.142	19.345	MH 32
MH33T	9551557.522	574192.146	19.383	MH 33
	9551557.990	574191.110	19.372	MH 33
	9551557.320	574190.975	19.357	MH 33
	9551557.241	574191.725	19.371	MH 33
MH34T	9551553.222	574209.270	19.424	MH 34
	9551552.671	574209.025	19.427	MH 34
	9551552.464	574210.017	19.393	MH 34
	9551552.938	574210.063	19.420	MH 34
MH35T	9551540.820	574255.379	19.452	MH 35
	9551540.583	574256.719	19.480	MH 35
	9551539.647	574256.698	19.494	MH 35
	9551539.900	574255.152	19.395	MH 35
MH36T	9551533.303	574286.207	19.612	MH 36
	9551533.544	574285.880	19.612	MH 36
	9551533.144	574285.106	19.613	MH 36
	9551532.698	574286.139	19.605	MH 36

IS Manholes

IS MH 17	9551551.188	574557.082	19.845	IS Manhole
IS MH 17	9551551.070	574557.534	20.063	IS Manhole
IS MH 17	9551551.932	574557.398	19.760	IS Manhole
IS MH 17	9551551.657	574557.854	19.813	IS Manhole
IS MH 18	9551558.862	574179.611	19.313	IS Manhole
IS MH 18	9551558.750	574180.154	19.298	IS Manhole
IS MH 18	9551558.471	574179.551	19.562	IS Manhole
IS MH 18	9551558.262	574180.064	19.763	IS Manhole

Liquid Manholes

MH66L	9551601.708	574120.367	19.127	MH66
	9551601.250	574121.828	19.104	MH66
	9551602.320	574122.288	19.092	MH66
	9551602.719	574120.655	19.238	MH66
MH67L	9551631.086	574010.866	18.737	MH67
	9551629.881	574010.523	18.708	MH67
	9551630.212	574009.228	18.713	MH67
	9551631.415	574009.529	18.760	MH67

Storm Water Manholes

MH87-SILTED	9551421.900	574100.705	18.128	SW Manhole
MH87-SILTED	9551422.422	574101.087	18.106	SW Manhole
MH87-SILTED	9551422.736	574100.576	18.094	SW Manhole
MH87-SILTED	9551422.150	574100.230	18.132	SW Manhole
MH88-SEALED	9551444.362	574103.742	18.128	SW Manhole
MH88-SEALED	9551444.713	574103.116	18.123	SW Manhole
MH88-SEALED	9551445.559	574103.604	18.087	SW Manhole
MH88-SEALED	9551445.176	574104.224	18.089	SW Manhole
MH89-1.1	9551463.807	574114.620	18.260	SW Manhole
MH89-1.1	9551464.848	574114.896	18.247	SW Manhole
MH89-1.1	9551465.108	574113.918	18.302	SW Manhole
MH89-1.1	9551464.124	574113.602	18.263	SW Manhole
MH90-0.9	9551480.145	574116.464	18.429	SW Manhole
MH90-0.9	9551480.820	574116.276	18.422	SW Manhole
MH90-0.9	9551480.644	574115.645	18.426	SW Manhole
MH90-0.9	9551479.999	574115.820	18.427	SW Manhole
MH91-BLOKED	9551509.326	574127.577	18.693	SW Manhole
MH91-BLOKED	9551509.938	574127.488	18.665	SW Manhole
MH91-BLOKED	9551509.802	574126.853	18.622	SW Manhole
MH91-BLOKED	9551509.194	574126.958	18.560	SW Manhole
MH92-SEALED	9551505.007	574116.775	18.589	SW Manhole
MH92-SEALED	9551506.046	574116.873	18.562	SW Manhole
MH92-SEALED	9551506.124	574116.187	18.602	SW Manhole
MH92-SEALED	9551505.144	574116.041	18.619	SW Manhole
MH93-BLOCKED	9551510.882	574118.161	18.606	SW Manhole
MH93-BLOCKED	9551510.800	574118.771	18.576	SW Manhole
MH93-BLOCKED	9551511.427	574118.891	18.602	SW Manhole
MH93-BLOCKED	9551511.515	574118.254	18.615	SW Manhole
MH94-BLOCKED	9551562.364	574123.623	19.029	SW Manhole
MH94-BLOCKED	9551562.994	574123.707	19.002	SW Manhole
MH94-BLOCKED	9551563.029	574123.088	19.037	SW Manhole
MH94-BLOCKED	9551562.393	574123.016	19.044	SW Manhole
MH95-BLOCKED	9551561.182	574131.673	18.931	SW Manhole
MH95-BLOCKED	9551560.548	574131.602	18.886	SW Manhole
MH95-BLOCKED	9551560.511	574132.257	18.995	SW Manhole
MH95-BLOCKED	9551561.135	574132.308	18.985	SW Manhole
MH96-BLOCKED	9551551.826	574306.494	19.557	SW Manhole
MH96-BLOCKED	9551551.667	574306.211	19.521	SW Manhole
MH96-BLOCKED	9551551.538	574306.659	19.522	SW Manhole
MH97-BLOCKED	9551559.306	574275.128	19.456	SW Manhole

MH97-BLOCKED	9551559.788	574275.250	19.460	SW Manhole
MH97-BLOCKED	9551559.955	574274.708	19.471	SW Manhole
MH97-BLOCKED	9551559.473	574274.492	19.408	SW Manhole
MH98-COULD	9551569.511	574243.889	19.570	SW Manhole
MH98-COULD	9551569.385	574244.477	19.564	SW Manhole
MH98-COULD	9551568.792	574244.327	19.574	SW Manhole
MH98-COULD	9551568.889	574243.782	19.584	SW Manhole
MH99-BLOCKED	9551568.296	574240.001	19.361	SW Manhole
MH99-BLOCKED	9551568.763	574240.079	19.373	SW Manhole
MH99-BLOCKED	9551568.975	574239.456	19.392	SW Manhole
MH99-BLOCKED	9551568.427	574239.242	19.335	SW Manhole
MH100-COULD	9551572.444	574229.793	19.481	SW Manhole
MH100-COULD	9551572.295	574230.398	19.506	SW Manhole
MH100-COULD	9551572.873	574230.566	19.497	SW Manhole
MH100-COULD	9551573.019	574229.958	19.500	SW Manhole
MH101-BLOCKED	9551591.760	574149.301	19.122	SW Manhole
MH101-BLOCKED	9551591.903	574148.723	19.104	SW Manhole
MH101-BLOCKED	9551591.592	574148.734	19.105	SW Manhole
MH101-BLOCKED	9551591.472	574149.243	19.116	SW Manhole
MH102-COULD	9551601.115	574118.124	19.139	SW Manhole
MH102-COULD	9551600.972	574118.656	19.168	SW Manhole
MH102-COULD	9551601.514	574118.863	19.171	SW Manhole
MH102-COULD	9551601.674	574118.239	19.090	SW Manhole
MH103-1.1	9551600.580	574114.980	19.037	SW Manhole
MH103-1.1	9551600.395	574114.591	18.919	SW Manhole
MH103-1.1	9551600.687	574114.483	18.981	SW Manhole
MH104-BLOCKED	9551608.831	574083.218	18.906	SW Manhole
MH104-BLOCKED	9551608.689	574082.941	18.896	SW Manhole
MH104-BLOCKED	9551608.533	574083.409	18.906	SW Manhole
MH105-BLOCKED	9551615.982	574052.852	18.705	SW Manhole
MH105-BLOCKED	9551616.643	574053.019	18.757	SW Manhole
MH105-BLOCKED	9551616.873	574052.366	18.750	SW Manhole
MH105-BLOCKED	9551616.144	574052.183	18.705	SW Manhole
MH106-3M	9551619.227	574048.394	18.902	SW Manhole
MH10P-0.7M	9551623.037	574025.157	18.755	SW Manhole
MH10P-0.7M	9551623.665	574025.318	18.755	SW Manhole
MH10P-0.7M	9551623.798	574024.751	18.737	SW Manhole
MH10P-0.7M	9551623.261	574024.585	18.655	SW Manhole
MH108-BLOCKED	9551630.945	573995.802	18.555	SW Manhole
MH108-BLOCKED	9551631.275	573995.380	18.578	SW Manhole
MH108-BLOCKED	9551631.015	573995.264	18.580	SW Manhole
MH109-2.5M	9551646.288	573971.496	18.474	SW Manhole
MH109-2.5M	9551646.253	573972.116	18.501	SW Manhole
MH109-2.5M	9551646.847	573972.194	18.494	SW Manhole
MH109-2.5M	9551646.903	573971.586	18.476	SW Manhole
MH110-SEALED	9551640.611	573965.415	18.553	SW Manhole
MH110-SEALED	9551641.204	573965.566	18.562	SW Manhole
MH110-SEALED	9551641.368	573965.028	18.574	SW Manhole
MH110-SEALED	9551640.774	573964.827	18.561	SW Manhole
MH111-0.4M	9551610.706	573949.814	18.280	SW Manhole

MH111-0.4M	9551610.944	573950.228	18.300	SW Manhole
MH111-0.4M	9551611.390	573949.989	18.301	SW Manhole
MH111-0.4M	9551611.113	573949.596	18.286	SW Manhole
MH11A-1M	9551615.296	573967.005	18.381	SW Manhole
MH11A-1M	9551615.791	573966.958	18.397	SW Manhole
MH11A-1M	9551615.376	573967.493	18.398	SW Manhole
MH11A-1M	9551615.863	573967.265	18.388	SW Manhole
MH113-0.8M	9551602.348	574019.097	18.690	SW Manhole
MH113-0.8M	9551601.608	574018.935	18.765	SW Manhole
MH113-0.8M	9551601.418	574019.617	18.799	SW Manhole
MH113-0.8M	9551602.142	574019.772	18.798	SW Manhole
MH114-SILTED	9551608.600	574136.098	19.138	SW Manhole
MH114-SILTED	9551608.619	574136.706	19.108	SW Manhole
MH114-SILTED	9551609.210	574136.724	19.058	SW Manhole
MH114-SILTED	9551609.285	574136.143	19.108	SW Manhole
MH115-0.8	9551612.752	574128.348	19.106	SW Manhole
MH115-0.8	9551612.775	574127.692	19.162	SW Manhole
MH115-0.8	9551612.103	574127.645	19.179	SW Manhole
MH115-0.8	9551612.093	574128.280	19.138	SW Manhole
MH116-BLOCKED	9551671.352	574136.930	27.468	SW Manhole
MH117-SEALED	9551672.283	574132.614	18.897	SW Manhole
MH117-SEALED	9551672.880	574132.727	18.882	SW Manhole
MH117-SEALED	9551672.932	574132.091	18.925	SW Manhole
MH117-SEALED	9551672.304	574132.005	18.911	SW Manhole
MH116-BLOCKED	9551669.580	574140.861	18.915	SW Manhole
MH116-BLOCKED	9551668.946	574140.828	18.889	SW Manhole
MH116-BLOCKED	9551669.633	574140.356	18.909	SW Manhole
MH118-COULD	9551729.857	574133.198	21.192	SW Manhole
MH118-COULD	9551729.208	574133.162	21.148	SW Manhole
MH118-COULD	9551729.224	574132.541	21.215	SW Manhole
MH118-COULD	9551729.823	574132.542	21.162	SW Manhole

JTL Manholes

JTL MH 16	9551601.805	574137.215	19.158	JTL Manhole
JTL MH 16	9551602.561	574136.682	19.113	JTL Manhole
JTL MH 16	9551602.970	574137.380	19.234	JTL Manhole
JTL MH 16	9551602.069	574137.731	19.467	JTL Manhole
JTL MH 17 INV	9551606.568	574125.951	18.900	JTL Manhole
JTL MH 17	9551606.745	574125.911	19.148	JTL Manhole
JTL MH 17	9551606.155	574125.477	19.107	JTL Manhole
JTL MH 17	9551606.366	574126.545	19.089	JTL Manhole
JTL MH 17	9551605.556	574126.291	19.038	JTL Manhole
JTL MH 18 INV	9551863.743	573982.298	18.368	JTL Manhole
JTL MH 18	9551864.025	573981.981	18.893	JTL Manhole
JTL MH 18	9551863.521	573982.004	18.963	JTL Manhole
JTL MH 18	9551864.209	573982.752	19.013	JTL Manhole
JTL MH 18	9551863.467	573982.943	19.006	JTL Manhole
JTL MH 19	9551860.176	573788.908	18.084	JTL Manhole
JTL MH 19	9551860.479	573789.321	17.923	JTL Manhole
JTL MH 19	9551859.975	573789.737	18.029	JTL Manhole

JTL MH 19	9551860.909	573789.097	18.031	JTL Manhole
JTL MH 19	9551860.923	573789.813	18.041	JTL Manhole
JTL MH 20	9551859.079	573777.481	18.049	JTL Manhole
JTL MH 20	9551859.146	573778.224	18.053	JTL Manhole
JTL MH 20	9551858.263	573778.310	18.049	JTL Manhole
JTL MH 20	9551858.220	573777.564	18.069	JTL Manhole
JTL MH 20 INV	9551858.339	573777.958	17.642	JTL Manhole
JTL MH 21	9551442.044	573422.840	17.023	JTL Manhole
JTL MH 21	9551440.379	573422.698	17.035	JTL Manhole
JTL MH 21	9551440.270	573423.492	17.064	JTL Manhole
JTL MH 21 INV	9551440.707	573423.423	16.670	JTL Manhole
JTL MH 21	9551441.955	573423.637	17.020	JTL Manhole
JTL MH 22	9551384.371	573592.049	16.756	JTL Manhole
JTL MH 22	9551384.044	573591.802	17.230	JTL Manhole
JTL MH 22	9551384.774	573591.999	17.243	JTL Manhole
JTL MH 22	9551383.893	573592.518	17.217	JTL Manhole
JTL MH 22	9551384.585	573592.587	17.332	JTL Manhole
JTL MH 23	9551331.292	573826.937	17.013	JTL Manhole
JTL MH 23	9551331.676	573827.429	17.522	JTL Manhole
JTL MH 23	9551330.850	573827.380	17.527	JTL Manhole
JTL MH 23	9551330.867	573826.515	17.521	JTL Manhole
JTL MH 23	9551331.709	573826.563	17.502	JTL Manhole
JTL MH INV 24	9551332.961	573936.828	16.774	JTL Manhole
JTL MH 24	9551333.205	573937.265	17.400	JTL Manhole
JTL MH 24	9551333.387	573936.402	17.365	JTL Manhole
JTL MH 24	9551332.542	573936.331	17.366	JTL Manhole
JTL MH 24	9551332.476	573937.267	17.345	JTL Manhole
JTL MH 25 INV	9551362.828	573938.095	16.845	JTL Manhole
JTL MH 25	9551362.502	573937.623	17.039	JTL Manhole
JTL MH 25	9551362.594	573938.477	17.205	JTL Manhole
JTL MH 25	9551363.371	573937.721	17.093	JTL Manhole
JTL MH 25	9551363.381	573938.397	17.283	JTL Manhole
JTL MH 26	9551304.215	574030.386	17.458	JTL Manhole
JTL MH 26	9551303.343	574030.126	17.435	JTL Manhole
JTL MH 26	9551304.400	574029.511	17.367	JTL Manhole
JTL MH 26	9551303.395	574029.429	17.291	JTL Manhole

Sewer Manholes

MH17 4.98M	9551528.603	574319.685	19.623	Sewer Manhole
MH17	9551528.428	574320.009	19.622	Sewer Manhole
MH17	9551528.567	574320.032	19.618	Sewer Manhole
MH17	9551528.921	574319.688	19.625	Sewer Manhole
MH17	9551528.990	574319.574	19.624	Sewer Manhole
MH17	9551528.424	574319.381	19.622	Sewer Manhole
MH17	9551528.389	574319.501	19.620	Sewer Manhole
MH18 4.49M	9551484.464	574295.270	19.442	Sewer Manhole
MH18	9551484.107	574295.423	19.433	Sewer Manhole
MH18	9551484.221	574295.499	19.425	Sewer Manhole
MH18	9551484.714	574295.454	19.429	Sewer Manhole
MH18	9551484.748	574295.345	19.439	Sewer Manhole

MH18	9551484.509	574294.964	19.420	Sewer Manhole
MH18	9551484.358	574294.924	19.424	Sewer Manhole
MH19	9551536.687	574286.967	19.595	Sewer Manhole
MH19	9551536.655	574287.081	19.604	Sewer Manhole
MH19	9551536.715	574287.539	19.606	Sewer Manhole
MH19	9551536.890	574287.569	19.609	Sewer Manhole
MH19	9551537.175	574287.227	19.610	Sewer Manhole
MH19	9551537.203	574287.130	19.601	Sewer Manhole
MH19 4.8M	9551536.871	574287.283	19.601	Sewer Manhole
MH20	9551546.359	574248.808	19.450	Sewer Manhole
MH20	9551546.485	574248.821	19.456	Sewer Manhole
MH20	9551546.832	574248.449	19.455	Sewer Manhole
MH20	9551546.852	574248.330	19.460	Sewer Manhole
MH20	9551546.328	574248.177	19.473	Sewer Manhole
MH20	9551546.258	574248.304	19.450	Sewer Manhole
MH20 4.54M	9551546.524	574248.464	19.468	Sewer Manhole
MH21 4.02M	9551573.949	574249.245	19.365	Sewer Manhole
MH21	9551574.515	574249.275	19.367	Sewer Manhole
MH21	9551573.810	574248.663	19.426	Sewer Manhole
MH21	9551574.600	574248.550	19.376	Sewer Manhole
MH21 4.02M	9551574.375	574249.005	19.411	Sewer Manhole
142	9551539.646	574127.897	19.004	Sewer Manhole
MH22	9551539.490	574127.890	18.994	Sewer Manhole
MH22	9551539.087	574127.641	18.988	Sewer Manhole
MH22	9551539.110	574127.468	18.978	Sewer Manhole
MH22	9551539.474	574127.315	18.822	Sewer Manhole
MH22	9551539.606	574127.310	18.832	Sewer Manhole
MH22	9551539.313	574127.604	18.801	Sewer Manhole
MH22 1.66	9551543.289	574116.083	19.113	Sewer Manhole
MH23C	9551543.586	574116.427	19.062	Sewer Manhole
MH23	9551543.717	574115.734	19.102	Sewer Manhole
MH23	9551542.827	574115.573	19.190	Sewer Manhole
MH23	9551542.756	574116.279	19.154	Sewer Manhole
MH23	9551537.362	574144.198	19.232	Sewer Manhole
MH24	9551536.690	574144.090	19.191	Sewer Manhole
MH24	9551536.712	574144.065	19.184	Sewer Manhole
MH24	9551536.756	574143.752	19.175	Sewer Manhole
MH24	9551537.497	574143.583	19.197	Sewer Manhole
MH24 0.84M	9551496.911	574124.336	18.455	Sewer Manhole
MH25	9551496.896	574124.475	18.429	Sewer Manhole
MH25	9551497.306	574124.706	18.433	Sewer Manhole
MH25	9551497.440	574124.698	18.439	Sewer Manhole
MH25	9551497.480	574124.158	18.441	Sewer Manhole
MH25	9551497.327	574124.161	18.444	Sewer Manhole
MH25	9551497.232	574124.413	18.447	Sewer Manhole
MH25 1.65M	9551446.101	574112.625	18.228	Sewer Manhole
MH26 1.79M	9551441.149	574110.508	18.040	Sewer Manhole
MH28	9551441.104	574110.499	18.044	Sewer Manhole
MH28	9551442.153	574111.007	18.047	Sewer Manhole
MH28	9551442.629	574109.988	18.041	Sewer Manhole

MH28	9551442.379	574110.505	17.916	Sewer Manhole
MH 28 1.43M	9551448.216	574090.093	18.792	Sewer Manhole
MH29 1.36	9551448.216	574090.093	18.792	Sewer Manhole

H-2

Powerposts

P 1	9551881.369	573310.086	17.447	Powerpost
P 2	9551871.803	573356.947	17.060	Powerpost
P 3	9551862.333	573392.752	16.628	Powerpost
P 4	9551852.869	573430.832	16.425	Powerpost
P 5	9551849.956	573466.609	16.302	Powerpost
P 5A	9551871.075	573468.107	16.037	Powerpost
P 6	9551848.896	573468.504	16.423	Powerpost
P 7	9551862.589	573563.419	15.898	Powerpost
P 8	9551875.193	573594.074	16.549	Powerpost
P 9	9551877.871	573626.671	17.086	Powerpost
P 10	9551879.685	573668.026	17.274	Powerpost
Street Lights				
SL2	9551836.803	573550.696	16.385	Street Light
SL3	9551845.909	573562.829	16.296	Street Light
SL1	9551764.137	573465.772	16.063	Street Light

Safaricom Manholes

MHSF1	9551879.665	573370.217	16.922	Safaricom Manhole
MHSF1	9551879.441	573371.069	16.830	Safaricom Manhole
MHSF1	9551880.164	573371.260	16.863	Safaricom Manhole
MHSF1	9551880.407	573370.431	16.815	Safaricom Manhole
MHSF1	9551880.205	573370.843	16.844	Safaricom Manhole
MHSF2	9551867.189	573545.603	15.815	Safaricom Manhole
MHSF2	9551867.355	573546.320	15.795	Safaricom Manhole
MHSF2	9551868.145	573546.123	15.879	Safaricom Manhole
MHSF2	9551868.029	573545.320	15.811	Safaricom Manhole
MHSF2	9551867.719	573545.876	15.849	Safaricom Manhole
MHSF3	9551758.723	573521.969	16.063	Safaricom Manhole
MHSF3	9551758.052	573521.227	15.982	Safaricom Manhole
MHSF3	9551758.623	573520.399	15.979	Safaricom Manhole
MHSF3	9551759.354	573520.968	15.982	Safaricom Manhole
MHSF3	9551758.813	573520.845	16.202	Safaricom Manhole
MHSF4	9551727.171	573523.134	15.807	Safaricom Manhole
MHSF4	9551726.646	573522.970	15.801	Safaricom Manhole
MHSF4	9551726.343	573523.755	15.801	Safaricom Manhole
MHSF4	9551726.945	573523.964	15.802	Safaricom Manhole
MHSF4	9551726.871	573523.449	15.801	Safaricom Manhole
MHSF9	9551892.706	573660.496	16.816	Safaricom Manhole
MHSF9	9551892.818	573661.394	16.810	Safaricom Manhole
MHSF9	9551893.652	573661.512	16.865	Safaricom Manhole
MHSF9	9551893.731	573661.286	16.789	Safaricom Manhole
MHSF9	9551893.378	573661.170	16.836	Safaricom Manhole

Storm Water Manholes

MH1	9551862.495	573511.768	15.792	Storm Water Manhole
MH1	9551863.059	573511.695	15.817	Storm Water Manhole
MH1	9551862.996	573511.092	15.796	Storm Water Manhole
MH1	9551862.406	573511.156	15.800	Storm Water Manhole
MH2	9551866.728	573547.504	15.594	Storm Water Manhole
MH2-0.5M	9551867.206	573547.322	15.813	Storm Water Manhole
MH2-0.5M	9551867.364	573547.781	15.815	Storm Water Manhole
MH2-0.5M	9551866.899	573547.949	15.736	Storm Water Manhole
MH3-0.3M	9551867.349	573549.210	15.751	Storm Water Manhole
MH3-0.3M	9551867.804	573549.006	15.767	Storm Water Manhole
MH3-0.3M	9551868.086	573549.534	15.761	Storm Water Manhole
MH3-0.3M	9551867.593	573549.837	15.734	Storm Water Manhole
MH4-SEALED	9551868.562	573547.945	15.811	Storm Water Manhole
MH4-SEALED	9551869.036	573547.629	15.723	Storm Water Manhole
MH4-SEALED	9551869.340	573548.130	15.718	Storm Water Manhole
MH29-1.5M	9551868.417	573719.349	17.427	Storm Water Manhole
MH29-1.5M	9551868.454	573719.921	17.400	Storm Water Manhole
MH29-1.5M	9551869.053	573719.929	17.401	Storm Water Manhole
MH29-1.5M	9551869.007	573719.342	17.394	Storm Water Manhole
MH30-0.62M	9551867.150	573638.000	16.480	Storm Water Manhole
MH30-0.62M	9551867.141	573637.406	16.496	Storm Water Manhole
MH30-0.62M	9551867.701	573637.407	16.471	Storm Water Manhole
MH30-0.62M	9551867.710	573638.024	16.467	Storm Water Manhole
MH31-COULD	9551864.358	573635.594	16.590	Storm Water Manhole
MH31-COULD	9551863.768	573635.563	16.590	Storm Water Manhole
MH31-COULD	9551863.791	573634.974	16.608	Storm Water Manhole
MH31-COULD	9551864.383	573635.037	16.584	Storm Water Manhole
MH32-0.83	9551828.968	573539.572	15.690	Storm Water Manhole
MH32-0.83	9551828.259	573539.125	15.686	Storm Water Manhole
MH32-0.83	9551828.696	573538.385	15.655	Storm Water Manhole
MH32-0.83	9551829.433	573538.844	15.661	Storm Water Manhole
MH33-SEALED	9551830.482	573535.628	15.745	Storm Water Manhole
MH33-SEALED	9551830.402	573535.614	15.728	Storm Water Manhole
MH33-SEALED	9551830.309	573535.153	15.722	Storm Water Manhole
MH33-SEALED	9551830.326	573534.986	15.724	Storm Water Manhole
MH33-SEALED	9551830.824	573535.165	15.729	Storm Water Manhole
MH33-SEALED	9551830.823	573535.368	15.730	Storm Water Manhole
MH34-BLOCKED	9551759.388	573517.309	15.794	Storm Water Manhole
MH34-BLOCKED	9551759.163	573516.862	15.837	Storm Water Manhole
MH34-BLOCKED	9551758.594	573517.116	15.806	Storm Water Manhole
MH34-BLOCKED	9551758.908	573517.588	15.830	Storm Water Manhole
MH35-0.85	9551757.689	573518.678	15.925	Storm Water Manhole
MH35-0.85	9551757.161	573519.065	15.889	Storm Water Manhole
MH35-0.85	9551757.501	573519.502	15.898	Storm Water Manhole
MH35-0.85	9551758.052	573519.205	15.916	Storm Water Manhole
MH3M-BLOCKED	9551727.923	573513.008	15.662	Storm Water Manhole
MH3M-BLOCKED	9551727.334	573513.183	15.653	Storm Water Manhole
MH3M-BLOCKED	9551727.143	573512.578	15.639	Storm Water Manhole
MH3M-BLOCKED	9551727.744	573512.372	15.649	Storm Water Manhole

MH38-3.8M	9551728.130	573507.771	15.582	Storm Water Manhole
MH38-3.8M	9551728.011	573508.267	15.573	Storm Water Manhole
MH38-3.8M	9551728.637	573507.872	15.597	Storm Water Manhole
MH38-3.8M	9551728.539	573508.438	15.585	Storm Water Manhole
MH39-BLOCKED	9551725.048	573508.125	15.642	Storm Water Manhole
MH39-BLOCKED	9551725.576	573507.736	15.623	Storm Water Manhole
MH39-BLOCKED	9551725.117	573507.281	15.620	Storm Water Manhole
MH39-BLOCKED	9551724.689	573507.646	15.651	Storm Water Manhole
MH40-SEALED	9551658.367	573489.437	15.820	Storm Water Manhole
MH40-SEALED	9551657.433	573488.357	15.803	Storm Water Manhole
MH40-SEALED	9551658.536	573487.480	15.802	Storm Water Manhole
MH40-SEALED	9551659.428	573488.517	15.811	Storm Water Manhole
MH41-COULD	9551661.697	573473.924	15.305	Storm Water Manhole
MH41-COULD	9551662.103	573473.154	15.309	Storm Water Manhole
MH41-COULD	9551661.068	573472.601	15.323	Storm Water Manhole
MH41-COULD	9551660.686	573473.359	15.298	Storm Water Manhole
MH42-COULD	9551653.963	573465.022	15.416	Storm Water Manhole
MH42-COULD	9551653.177	573465.303	15.442	Storm Water Manhole
MH42-COULD	9551653.498	573466.345	15.420	Storm Water Manhole
MH42-COULD	9551654.297	573466.058	15.293	Storm Water Manhole
MH43-COULD	9551652.813	573450.253	15.464	Storm Water Manhole
MH43-COULD	9551653.607	573450.645	15.500	Storm Water Manhole
MH43-COULD	9551654.203	573449.630	15.459	Storm Water Manhole
MH43-COULD	9551653.374	573449.240	15.493	Storm Water Manhole
MH44-COULD	9551657.224	573443.291	15.457	Storm Water Manhole
MH44-COULD	9551657.811	573443.816	15.477	Storm Water Manhole
MH44-COULD	9551658.890	573442.804	15.481	Storm Water Manhole
MH44-COULD	9551658.304	573442.214	15.352	Storm Water Manhole
MH45-COULD	9551658.837	573444.585	15.525	Storm Water Manhole
MH45-COULD	9551658.252	573443.831	15.506	Storm Water Manhole
MH45-COULD	9551659.043	573443.147	15.553	Storm Water Manhole
MH45-COULD	9551659.676	573443.892	15.515	Storm Water Manhole
MH46-COULD	9551661.662	573441.641	15.542	Storm Water Manhole
MH46-COULD	9551662.014	573442.509	15.535	Storm Water Manhole
MH46-COULD	9551664.008	573441.778	15.506	Storm Water Manhole
MH46-COULD	9551663.617	573440.934	15.548	Storm Water Manhole
MH47-1.1	9551671.788	573440.148	15.458	Storm Water Manhole
MH48-COULD	9551684.780	573443.525	15.561	Storm Water Manhole
MH48-COULD	9551684.494	573444.476	15.575	Storm Water Manhole
MH48-COULD	9551693.844	573445.563	15.578	Storm Water Manhole
MH48-COULD	9551693.664	573446.551	15.606	Storm Water Manhole
MH49-COULD	9551699.127	573447.154	15.585	Storm Water Manhole
MH49-COULD	9551698.867	573447.984	15.627	Storm Water Manhole
MH50-BLOCKED	9551705.544	573436.779	15.718	Storm Water Manhole
MH50-BLOCKED	9551705.394	573437.412	15.682	Storm Water Manhole
MH50-BLOCKED	9551705.993	573437.594	15.684	Storm Water Manhole
MH50-BLOCKED	9551706.167	573436.994	15.719	Storm Water Manhole
MH51	9551731.280	573455.244	15.822	Storm Water Manhole
MH51	9551731.023	573456.109	15.739	Storm Water Manhole
MH51	9551732.589	573455.591	15.673	Storm Water Manhole

MH51	9551732.380	573456.491	15.691	Storm Water Manhole
MH52	9551747.310	573459.400	15.991	Storm Water Manhole
MH52	9551747.091	573460.271	15.929	Storm Water Manhole
MH52	9551748.084	573460.676	15.997	Storm Water Manhole
MH52	9551748.342	573459.813	16.013	Storm Water Manhole
MH52	9551807.867	573475.073	15.829	Storm Water Manhole
MH53	9551807.699	573475.861	15.784	Storm Water Manhole
MH53	9551808.747	573476.103	15.838	Storm Water Manhole
MH53	9551808.975	573475.379	15.702	Storm Water Manhole
MH54-1M	9551811.805	573476.068	15.738	Storm Water Manhole
MH54-1M	9551811.564	573476.910	15.804	Storm Water Manhole
MH54-1M	9551813.582	573477.619	15.934	Storm Water Manhole
MH54-1M	9551813.885	573476.658	15.769	Storm Water Manhole
MH55-1M	9551817.649	573477.643	15.822	Storm Water Manhole
MH55-1M	9551817.444	573478.557	15.866	Storm Water Manhole
MH55-1M	9551818.460	573478.885	15.820	Storm Water Manhole
MH55-1M	9551818.704	573477.957	15.816	Storm Water Manhole
MH56	9551831.565	573479.940	15.523	Storm Water Manhole
MH56	9551831.697	573479.602	15.533	Storm Water Manhole
MH56	9551831.283	573479.411	15.551	Storm Water Manhole
MH56-0.44	9551831.192	573479.795	15.524	Storm Water Manhole
MH57-1	9551831.295	573481.749	15.737	Storm Water Manhole
MH57-1	9551831.470	573480.793	15.706	Storm Water Manhole
MH57-1	9551830.605	573480.728	15.690	Storm Water Manhole
MH57-1	9551830.245	573481.575	15.699	Storm Water Manhole
MH58-0.45	9551843.892	573485.254	15.497	Storm Water Manhole
MH58-0.45	9551844.171	573485.506	15.472	Storm Water Manhole
MH58-0.45	9551844.409	573485.154	15.477	Storm Water Manhole
MH58-0.45	9551844.126	573484.890	15.477	Storm Water Manhole
MH59-1	9551843.020	573485.798	15.712	Storm Water Manhole
MH59-1	9551842.389	573486.451	15.752	Storm Water Manhole
MH59-1	9551843.141	573487.050	15.738	Storm Water Manhole
MH59-1	9551843.786	573486.487	15.728	Storm Water Manhole
MH60-1	9551847.558	573494.143	15.762	Storm Water Manhole
MH60-1	9551847.834	573495.201	15.697	Storm Water Manhole
MH60-1	9551848.685	573494.958	15.824	Storm Water Manhole
MH60-1	9551848.416	573493.833	15.749	Storm Water Manhole
MH61-0.45	9551849.813	573493.955	15.458	Storm Water Manhole
MH61-0.45	9551849.888	573494.278	15.463	Storm Water Manhole
MH61-0.45	9551850.253	573494.219	15.466	Storm Water Manhole
MH61-0.45	9551850.101	573493.811	15.438	Storm Water Manhole
MH62-1	9551848.281	573502.286	15.644	Storm Water Manhole
MH62-1	9551849.137	573502.426	15.680	Storm Water Manhole
MH62-1	9551848.918	573503.530	15.657	Storm Water Manhole
MH62-1	9551848.110	573503.291	15.629	Storm Water Manhole
MH63-0.45	9551850.142	573502.918	15.366	Storm Water Manhole
MH63-0.45	9551850.056	573503.328	15.342	Storm Water Manhole
MH63-0.45	9551850.448	573502.982	15.375	Storm Water Manhole
MH63-0.45	9551850.430	573503.391	15.356	Storm Water Manhole
MH64-0.2	9551844.617	573513.336	15.356	Storm Water Manhole

MH64-0.2	9551844.272	573513.622	15.312	Storm Water Manhole
MH64-0.2	9551844.561	573513.842	15.305	Storm Water Manhole
MH64-0.2	9551844.845	573513.570	15.298	Storm Water Manhole
MH65-1	9551843.168	573512.871	15.597	Storm Water Manhole
MH65-1	9551843.861	573512.267	15.571	Storm Water Manhole
MH65-1	9551843.297	573511.609	15.592	Storm Water Manhole
MH65-1	9551842.562	573512.167	15.550	Storm Water Manhole
MH66-1	9551836.685	573517.221	15.478	Storm Water Manhole
MH66-1	9551836.530	573515.712	15.540	Storm Water Manhole
MH66-1	9551835.010	573515.786	15.498	Storm Water Manhole
MH66-1	9551834.986	573517.362	15.444	Storm Water Manhole
MH67-1	9551821.150	573515.327	15.532	Storm Water Manhole
MH67-1	9551821.310	573514.497	15.567	Storm Water Manhole
MH67-1	9551820.245	573514.272	15.595	Storm Water Manhole
MH67-1	9551820.086	573515.079	15.592	Storm Water Manhole
MH68-1	9551784.952	573506.271	15.719	Storm Water Manhole
MH68-1	9551785.206	573505.339	15.746	Storm Water Manhole
MH68-1	9551784.191	573505.063	15.717	Storm Water Manhole
MH68-1	9551783.866	573505.903	15.706	Storm Water Manhole
MH69-1	9551745.721	573495.884	15.621	Storm Water Manhole
MH69-1	9551745.501	573496.680	15.612	Storm Water Manhole
MH69-1	9551744.220	573496.290	15.631	Storm Water Manhole
MH69-1	9551744.451	573495.496	15.621	Storm Water Manhole
MH70-1	9551707.290	573485.236	15.529	Storm Water Manhole
MH70-1	9551707.094	573486.072	15.497	Storm Water Manhole
MH70-1	9551706.096	573485.769	15.528	Storm Water Manhole
MH70-1	9551706.348	573484.983	15.551	Storm Water Manhole
MH70-2	9551670.901	573477.396	15.226	Storm Water Manhole
MH71-2	9551670.902	573477.376	15.220	Storm Water Manhole
MH71-2	9551670.688	573477.801	15.213	Storm Water Manhole
MH71-2	9551671.812	573478.114	15.217	Storm Water Manhole
MH71-2	9551671.964	573477.745	15.247	Storm Water Manhole

Traffic Signs

TS 1	9551846.221	573561.993	16.193	Traffic Signs
TS 2	9551845.439	573562.503	16.237	Traffic Signs
TS 3	9551836.449	573551.206	16.361	Traffic Signs
TS 4	9551837.352	573551.291	16.372	Traffic Signs

Billboards

BB 1	9551760.034	573441.007	16.213	Billboard
BB 1	9551760.908	573441.832	16.159	Billboard
BB 2	9551758.213	573445.250	16.238	Billboard
BB 2	9551758.554	573443.813	16.253	Billboard
BB 3	9551760.346	573443.897	16.252	Billboard
BB 3	9551760.382	573445.913	16.265	Billboard
BB 4	9551843.417	573556.761	16.230	Billboard
BB5	9551756.435	573447.874	16.208	Billboard
BB 5	9551756.086	573446.876	16.153	Billboard

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Storm Water Manholes

160	574045.9070m	9552523.7400	18.022m	MH105SEALED
161	574045.7410m	9552523.2090	18.058m	MH105SEALED
156	574074.4570m	9552511.1740	18.201m	MH104SEALED
157	574074.7310m	9552511.6550	18.137m	MH104SEALED
158	574073.8950m	9552511.3900	18.228m	MH104SEALED
159	574074.1190m	9552511.9050	18.131m	MH104SEALED
152	574102.4910m	9552500.0600	18.324m	MH103SEALED
153	574102.9930m	9552499.8060	18.317m	MH103SEALED
154	574102.6970m	9552499.2740	18.357m	MH103SEALED
155	574102.2450m	9552499.5120	18.336m	MH103SEALED
149	574134.4950m	9552485.9130	18.475m	MH102SEALED
150	574133.7840m	9552486.2160	18.475m	MH102SEALED
151	574134.0860m	9552486.8030	18.434m	MH102SEALED
145	574149.5320m	9552430.7990	18.201m	MH101SEALED
146	574149.1950m	9552430.2860	18.186m	MH101SEALED
147	574149.7620m	9552429.9050	18.215m	MH101SEALED
148	574150.0500m	9552430.5080	18.213m	MH101SEALED
140	574149.1030m	9552432.8320	18.039m	MH100SILTED
142	574148.8620m	9552433.0610	17.998m	MH100SEALED0.67M
143	574148.7910m	9552432.5060	17.953m	MH100SEALED0.67M
144	574148.5720m	9552432.8080	18.020m	MH100SEALED0.67M
141	574149.0670m	9552432.8730	17.946m	MH100SEALED
136	574142.0930m	9552437.4110	18.404m	MH99-1.45M
137	574141.6200m	9552437.7960	18.393m	MH99-1.45M
138	574141.2340m	9552437.3400	18.425m	MH99-1.45M
139	574141.6950m	9552436.9330	18.419m	MH99-1.45M
132	574143.6830m	9552438.0310	18.345m	MH98-0.75M
133	574143.0920m	9552438.4900	18.334m	MH98-0.75M
134	574142.4990m	9552437.8100	18.371m	MH98-0.75M
135	574143.0430m	9552437.2550	18.323m	MH98-0.75M
128	574173.7740m	9552459.2110	18.417m	MH97-SEALED
129	574174.2500m	9552458.7920	18.445m	MH97-SEALED
130	574174.8110m	9552459.2430	18.473m	MH97-SEALED
131	574174.2720m	9552459.7140	18.402m	MH97-SEALED
124	574232.5880m	9552497.9580	18.409m	MH96-SEALED
125	574233.0230m	9552497.4920	18.396m	MH96-SEALED
126	574233.5060m	9552497.8550	18.401m	MH96-SEALED
127	574233.1130m	9552498.2970	18.399m	MH96-SEALED
120	574324.8330m	9552530.1470	16.268m	MH95-SEALED
121	574323.0530m	9552529.1820	16.353m	MH95-SEALED
122	574323.4680m	9552528.4700	16.463m	MH95-SEALED
123	574325.3640m	9552529.2400	16.348m	MH95-SEALED

Power posts

1	574299.5800m	9552530.5300	16.850m	P 1
2	574282.2700m	9552526.3400	17.350m	P 2
3	574245.2100m	9552494.0400	18.340m	P 3
4	574244.8100m	9552493.7300	18.210m	P 4

5	574242.6200m	9552492.9000	18.270m	P 5
6	574220.7300m	9552530.9400	18.920m	P 6
7	574196.4100m	9552564.0600	18.900m	P 7
8	574165.0500m	9552607.7700	18.740m	P 8
9	574140.6000m	9552640.3600	18.300m	P 9
10	574142.0000m	9552641.4300	18.270m	P 10
11	574136.9400m	9552647.0600	18.180m	P 11
12	574133.6300m	9552650.7400	18.160m	P 12
13	574197.9900m	9552475.3100	18.680m	P 13
14	574158.2000m	9552459.0600	18.470m	P 14
15	574155.8800m	9552457.4100	18.610m	P 15
16	574139.6700m	9552434.0700	18.170m	P 16
17	574139.2100m	9552433.1460	18.265m	P 17
18	574126.6670m	9552420.3940	18.522m	P 18
19	574107.5370m	9552398.8810	18.496m	P 19
20	574106.9400m	9552399.8720	18.761m	P 20
21	574271.1000m	9552542.8600	17.610m	P 21
22	574213.3600m	9552525.6700	18.930m	P 22
23	574187.2200m	9552546.2800	18.730m	P 23
24	574167.6900m	9552563.4600	18.770m	P 24
25	574159.5950m	9552485.4110	18.712m	P 25
26	574148.1430m	9552480.8680	18.593m	P 26
27	574354.9880m	9552558.7700	14.854m	P 55

Power Connection

28	574214.2000m	9552578.9100	18.820m	CONNECT
29	574164.9200m	9552565.3800	18.860m	CONNECT
30	574180.7000m	9552544.6600	18.650m	CONNECT
31	574177.4900m	9552547.4800	18.570m	CONNECT
32	574235.1600m	9552519.7400	18.450m	CONNECT
33	574205.7200m	9552588.6000	18.810m	CONNECT
34	574123.0500m	9552623.1700	18.370m	CONNECT
35	574163.8300m	9552647.3900	18.320m	CONNECT
36	574148.4500m	9552613.4900	18.710m	CONNECT
37	574176.8600m	9552607.3300	18.520m	CONNECT
38	574169.1100m	9552558.8800	18.670m	CONNECT
39	574163.8800m	9552563.2700	18.830m	CONNECT
40	574185.8800m	9552540.7300	18.780m	CONNECT
41	574228.7600m	9552546.1300	18.740m	CONNECT
42	574226.5500m	9552539.7000	18.650m	CONNECT

Safaricom Manhole

MHSF1	9552480.8950m	574217.0190m	18.563m	
MHSF1	9552481.5140m	574216.8480m	18.564m	
MHSF1	9552480.6150m	574216.1950m	18.567m	
MHSF1	9552481.3090m	574215.9760m	18.580m	

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Telkom Manholes

1	9551860.075	573635.077	16.515	H6-MH1
2	9551860.159	573636.012	16.538	H6-MH1
3	9551858.518	573636.187	16.598	H6-MH1
4	9551858.356	573635.200	16.492	H6-MH1
5	9551892.700	573717.216	17.479	H6-MH2
6	9551893.381	573717.144	17.426	H6-MH2
7	9551892.460	573718.492	17.437	H6-MH2
8	9551893.119	573718.594	17.417	H6-MH2
9	9551894.662	573822.315	18.305	H6-MH3
10	9551895.516	573822.386	18.336	H6-MH3
11	9551895.516	573823.795	18.400	H6-MH3
12	9551894.784	573823.912	18.319	H6-MH3
13	9551897.441	573983.327	18.942	H6-MH4
14	9551898.146	573984.670	19.073	H6-MH4
15	9551897.578	573984.658	18.877	H6-MH4
16	9551898.047	573983.434	18.969	H6-MH4
17	9551898.218	574051.985	18.890	H6-MH5
18	9551898.215	574053.058	19.028	H6-MH5
19	9551898.889	574053.350	19.001	H6-MH5
20	9551898.947	574052.017	19.003	H6-MH5
21	9551899.669	574125.060	18.703	H6-MH6
22	9551900.398	574125.105	18.760	H6-MH6
23	9551900.392	574126.524	18.803	H6-MH6
24	9551899.690	574126.495	18.721	H6-MH6
25	9551907.502	574128.492	18.942	H6-MH7
26	9551908.097	574129.229	18.923	H6-MH7
27	9551909.114	574128.568	18.936	H6-MH7
28	9551908.520	574127.736	18.966	H6-MH7
29	9551873.414	574191.385	18.492	H6-MH8
30	9551873.211	574191.996	18.485	H6-MH8
31	9551873.833	574192.357	18.479	H6-MH8
32	9551874.117	574191.744	18.505	H6-MH8
33	9551757.818	574398.685	18.774	H6-MH9
34	9551756.921	574399.745	18.700	H6-MH9
35	9551756.232	574399.348	18.723	H6-MH9
36	9551757.106	574398.225	18.729	H6-MH9
37	9551746.349	574414.716	18.817	H6-MH10
38	9551746.077	574415.243	18.765	H6-MH10
39	9551745.384	574414.769	18.788	H6-MH10
40	9551745.668	574414.135	18.669	H6-MH10
41	9551729.494	574434.922	18.795	H6-MH11
42	9551729.958	574434.147	18.786	H6-MH11
43	9551729.221	574433.446	18.771	H6-MH11
44	9551728.457	574434.218	18.793	H6-MH11
45	9551720.764	574448.924	18.866	H6-MH12
46	9551721.239	574448.622	18.880	H6-MH12
47	9551720.643	574448.110	18.868	H6-MH12
48	9551720.250	574448.467	18.890	H6-MH12
49	9551673.126	574549.431	19.370	H6-MH13
50	9551672.073	574552.239	19.348	H6-MH13

51	9551670.803	574551.768	19.382	H6-MH13
52	9551671.951	574549.045	19.410	H6-MH13
53	9551666.046	574557.629	19.456	H6-MH14
54	9551665.086	574558.266	19.527	H6-MH14
55	9551665.711	574556.663	19.443	H6-MH14
56	9551664.796	574557.357	19.482	H6-MH14

Power posts

1	9551879.685	573668.026	17.274	PP10
2	9551881.269	573823.911	18.659	PP15
3	9551882.841	573862.651	18.550	PP16
4	9551875.193	573594.074	16.549	PP8
5	9551877.871	573626.671	17.086	PP9
6	9551881.691	573788.595	18.337	PP 13
7	9551879.920	573712.490	17.831	PP11
8	9551881.079	573748.103	18.145	PP12
9	9551880.959	573821.819	18.547	PP14
10	9551883.531	573899.881	18.748	PP17
11	9551883.644	573921.448	18.956	PP18
12	9551885.120	573966.800	19.195	PP19
13	9551885.032	573968.503	19.217	PP20
14	9551914.456	573797.873	18.550	PP 21LAMP
15	9551958.439	573823.861	18.586	PP 22LAMP
16	9551914.120	573798.184	18.119	PP23 LAMP
17	9551958.484	573823.985	18.137	PP 24LAMP UP
18	9551852.485	573787.594	17.889	PP25 LAMP
19	9551900.011	573790.078	18.078	PP26 LAMP
20	9551852.227	573787.773	17.931	PP27 UP
21	9551900.367	573789.941	18.506	PP728 LAMP

LV Building Connection

1	9551868.197	573669.243	16.909	CON
2	9551894.259	573665.412	17.054	CON
3	9551898.247	573700.847	17.239	CON
4	9551892.125	573712.157	17.338	CON
5	9551868.607	573687.158	17.049	CON
6	9551868.858	573703.372	17.283	CON
7	9551868.349	573714.543	17.302	CON
8	9551865.229	573741.040	17.653	CON
9	9551891.214	573741.887	17.632	CON
10	9551870.691	573825.798	18.210	CON
11	9551870.726	573822.345	18.256	CON
12	9551895.596	573871.312	18.545	CON
13	9551868.945	573879.782	18.622	CON
14	9551872.900	573944.890	18.782	CON
15	9551872.575	573919.397	18.554	CON
16	9551870.215	573914.307	18.703	CON
17	9551897.407	573915.416	18.678	CON
18	9551896.193	573822.597	18.349	CON

Safaricom Manholes

MHSF2	9551867.189	573545.603	15.815	Safaricom Manholes
MHSF2	9551867.538	573546.262	15.795	Safaricom Manholes
MHSF2	9551868.145	573546.123	15.879	Safaricom Manholes
MHSF2	9551868.029	573545.320	15.811	Safaricom Manholes
MHSF2	9551867.719	573545.876	15.849	Safaricom Manholes
MHSF1	9551892.706	573660.496	16.816	Safaricom Manholes
MHSF1	9551892.818	573661.394	16.810	Safaricom Manholes
MHSF1	9551893.652	573661.512	16.865	Safaricom Manholes
MHSF1	9551893.731	573661.286	16.789	Safaricom Manholes
MHSF1	9551893.378	573661.170	16.836	Safaricom Manholes

Road Signs

1	9551882.821	573903.461	18.817	SALOON CAR PARK SIGNPOST
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JTL Manholes

1	9552495.445	573749.243	17.703	JTL MP 18
2	9552449.491	573780.941	17.734	JTL MP 19
3	9552431.918	573793.404	17.515	JTL CP 20

L-2**Powerposts**

P1	9552457.238	576317.166	19.544	POWER POST
P2	9552458.691	576316.209	19.454	POWER POST
P3	9552437.198	576282.116	18.912	POWER POST
P4	9552436.304	576283.080	18.905	POWER POST
P5	9552408.178	576257.156	19.033	POWER POST
P6	9552409.578	576255.999	18.901	POWER POST
P7	9552389.036	576225.154	18.408	POWER POST
P8	9552387.476	576226.090	18.400	POWER POST
P9	9552403.922	576264.708	19.016	TRANSFORMER
P10	9552437.097	576243.185	18.401	POWER POST
P11	9552439.100	576243.723	18.187	POWER POST
P12	9552449.822	576236.065	18.138	POWER POST
P13	9552467.749	576256.788	18.023	POWER POST
P14	9552466.475	576257.768	17.991	POWER POST
P15	9552480.896	576216.807	18.131	POWER POST
P16	9552517.265	576195.517	18.399	POWER POST
P17	9552516.339	576193.981	18.297	POWER POST
P18	9552564.756	576164.840	18.477	POWER POST
P19	9552401.702	576265.919	19.119	POWER POST
P20	9552368.365	576285.710	19.775	POWER POST
P21	9552351.277	576297.156	19.525	POWER POST
P22	9552349.532	576295.816	19.486	POWER POST
P23	9552345.512	576292.349	19.521	POWER POST
P24	9552309.393	576259.328	19.436	POWER POST
P25	9552371.771	576322.575	19.557	POWER POST
P26	9552297.157	576330.628	18.276	POWER POST

P27	9552246.631	576362.499	17.669	POWER POST AND STREET LIGHT
P28	9552227.973	576373.927	17.771	POWER POST AND STREET LIGHT
P29	9552237.143	576389.076	17.922	POWER POST
P30	9552298.373	576351.468	18.576	POWER POST
P31	9552354.380	576316.080	19.408	POWER POST
P32	9552362.529	576310.575	19.667	POWER POST
P33	9552409.766	576280.612	19.410	POWER POST
P34	9552413.582	576280.304	19.604	POWER POST
P35	9552415.870	576283.211	19.406	POWER POST
P36	9552414.351	576284.072	19.216	POWER POST
P37	9552416.959	576287.169	19.235	POWER POST
P38	9552431.170	576310.798	19.878	POWER POST
P39	9552440.220	576325.850	19.829	POWER POST
P40	9552439.401	576324.077	19.977	POWER POST
P41	9552438.295	576322.292	19.985	POWER POST
P42	9552459.054	576321.848	19.633	POWER POST
P43	9552459.281	576358.015	19.817	POWER POST
P44	9552486.946	576405.451	18.772	POWER POST
P45	9552452.278	576428.663	18.465	POWER POST
P46	9552497.943	576422.929	18.256	POWER POST
P47	9552514.521	576451.540	17.258	POWER POST
P48	9552524.032	576407.855	19.329	POWER POST
P49	9552500.594	576396.476	18.566	POWER POST
P50	9552478.428	576352.977	19.871	POWER POST
SL1	9552520.330	576430.672	17.981	STREET LIGHT
SL2	9552505.622	576406.038	18.258	STREET LIGHT
SL3	9552490.116	576380.363	19.569	STREET LIGHT
SL4	9552475.568	576354.821	19.609	STREET LIGHT
SL5	9552457.814	576322.452	19.548	STREET LIGHT
SL6	9552447.233	576304.905	19.073	STREET LIGHT
IP 1	9552456.850	576318.153	19.598	Internet Post
IP 2	9552476.056	576353.378	19.721	Internet Post
IP 3	9552476.697	576353.231	19.871	Internet Post
IP 4	9552486.086	576368.774	19.737	Internet Post
IP 5	9552499.339	576390.229	19.272	Internet Post
IP 6	9552503.560	576397.898	18.509	Internet Post
IP 7	9552509.566	576405.874	18.373	Internet Post
IP 8	9552530.234	576436.710	18.945	Internet Post
IP 9	9552416.578	576281.931	19.319	Internet Post
IP 10	9552451.702	576254.721	18.137	Internet Post
IP 11	9552497.365	576224.283	17.961	Internet Post
IP 12	9552480.812	576215.654	18.186	Internet Post
IP 13	9552487.902	576210.120	18.189	Internet Post
IP 14	9552512.816	576195.648	18.338	Internet Post
IP 15	9552553.792	576170.797	18.268	Internet Post
IP 16	9552437.617	576242.101	18.509	Internet Post
IP 17	9552364.021	576310.880	19.875	Internet Post
IP 18	9552409.791	576260.304	18.982	Internet Post
IP 19	9552506.607	576434.034	17.517	Internet Post
IP 20	9552484.705	576397.825	18.776	Internet Post

TS1	9552410.037	576260.526	18.868	CCTV
TS2	9552518.869	576420.861	18.428	TRAFFIC SIGN
TS3	9552412.793	576278.336	19.270	TRAFFIC SIGN
TS4	9552438.401	576314.643	19.538	TRAFFIC SIGN
TS5	9552490.740	576411.409	18.505	TRAFFIC SIGN
BB1	9552414.795	576279.318	19.141	Billboard
BB1	9552415.043	576279.191	19.145	Billboard
BB2	9552415.603	576279.872	19.108	Billboard
BB2	9552415.421	576280.021	19.140	Billboard
BB3	9552409.709	576283.759	19.239	Billboard
BB3	9552410.245	576283.568	19.189	Billboard
BB4	9552411.145	576285.436	19.228	Billboard
BB4	9552410.765	576285.653	19.510	Billboard
BB5	9552365.628	576313.845	19.916	Billboard
BB5	9552363.695	576312.947	19.738	Billboard
BB6	9552332.028	576327.437	18.918	Billboard
BB7	9552453.313	576232.701	18.200	Billboard
BB7	9552453.634	576232.394	17.914	Billboard
BB8	9552413.488	576286.250	19.194	Billboard
BB8	9552411.805	576285.802	19.161	Billboard
1	9552441.176	576257.889	17.824	INTERNET MH
2	9552439.239	576259.253	17.852	INTERNET MH
3	9552441.588	576258.581	17.809	INTERNET MH
4	9552439.670	576259.631	17.518	INTERNET MH
5	9552439.388	576259.190	17.335	INTERNET MH INVERT
6	9552445.747	576255.239	17.921	INTERNET MH
7	9552446.652	576254.725	17.935	INTERNET MH
8	9552446.885	576255.375	18.046	INTERNET MH
9	9552446.078	576255.846	18.067	INTERNET MH
10	9552445.914	576255.278	17.389	INTERNET MH INVERT
11	9552462.824	576244.206	17.798	INTERNET MH
12	9552463.172	576244.643	17.827	INTERNET MH
13	9552464.299	576244.002	17.800	INTERNET MH
14	9552464.048	576243.474	17.788	INTERNET MH
15	9552463.667	576243.864	17.403	CABLE TOP
16	9552471.342	576238.884	17.841	INTERNET MH
17	9552471.736	576239.546	17.893	INTERNET MH
18	9552472.214	576238.309	17.860	INTERNET MH
19	9552472.652	576238.858	17.920	INTERNET MH
20	9552471.785	576239.032	17.401	INTERNET MH INV
21	9552477.295	576235.033	17.897	INTERNET MH
22	9552477.689	576235.617	17.878	INTERNET MH
23	9552478.045	576234.581	17.846	INTERNET MH
24	9552478.385	576235.212	17.918	INTERNET MH
25	9552477.790	576235.066	17.100	INTERNET MH INVERT V
26	9552488.171	576228.812	17.843	INTERNET MH
27	9552488.849	576228.317	17.842	INTERNET MH
28	9552489.293	576228.966	17.930	INTERNET MH
29	9552488.509	576229.482	17.897	INTERNET MH
30	9552488.700	576229.238	17.376	INTERNET MH INVERT V

31	9552504.161	576219.697	17.854	INTERNET MH
32	9552503.771	576218.980	17.968	INTERNET MH
33	9552506.176	576218.335	17.916	INTERNET MH
34	9552505.690	576217.660	18.002	INTERNET MH
35	9552503.977	576218.984	16.928	INTERNET MH INVERT V
36	9552522.233	576208.746	17.887	INTERNET MH
37	9552521.875	576208.169	17.933	INTERNET MH
38	9552522.480	576207.873	17.970	INTERNET MH
39	9552522.913	576208.475	17.991	INTERNET MH
40	9552522.071	576208.161	17.465	INTERNET MH INVERT
41	9552576.064	576175.822	17.754	SW MH
42	9552577.247	576175.286	17.776	SW MH
43	9552576.858	576174.412	17.770	SW MH
44	9552576.901	576174.185	17.820	SW MH
45	9552576.533	576173.299	17.980	SW MH
46	9552575.183	576173.860	18.000	SW MH
47	9552575.494	576174.819	17.858	SW MH
48	9552575.918	576174.631	16.903	SW MH INV
49	9552650.302	576108.076	18.472	MH
50	9552649.724	576107.273	18.495	MH
51	9552651.114	576107.545	18.469	MH
52	9552650.562	576106.774	18.603	MH
53	9552650.255	576107.486	18.187	VALVE INV
54	9552649.363	576108.116	18.537	VALVE AV
56	9552538.046	576182.286	18.482	FIRE HYDRANT MH
57	9552538.633	576183.589	18.474	FIRE HYDRANT MH
58	9552537.371	576184.290	18.497	FIRE HYDRANT MH
59	9552536.694	576183.087	18.503	FIRE HYDRANT MH
60	9552536.753	576183.416	18.449	WATER MH
61	9552537.573	576184.870	18.420	WATER MH
62	9552535.869	576185.777	18.411	WATER MH
63	9552535.115	576184.285	18.486	WATER MH
64	9552536.049	576183.373	18.478	WATER MH
65	9552536.345	576183.231	18.494	FH
66	9552536.474	576184.756	18.453	MH C 2.34M
67	9552536.638	576184.369	17.461	PVC PIPE 0.215D
68	9552536.458	576184.776	18.450	PVC PIPE 1.58M 0.075D RD CROSSIN
69	9552537.523	576183.132	16.987	VALVE INV
70	9552479.718	576216.236	18.124	MH
71	9552480.171	576216.834	18.086	MH
72	9552480.609	576216.563	18.118	MH
73	9552480.185	576215.891	18.171	MH
74	9552425.364	576250.679	18.351	MH JTL
75	9552424.573	576251.137	18.362	MH JTL
76	9552424.963	576250.409	17.854	MH JTL INV
77	9552424.044	576250.342	18.323	MH JTL
78	9552424.578	576250.988	18.363	MH JTL
79	9552424.256	576250.394	18.355	MH JTL
80	9552425.231	576250.635	18.380	MH JTL
81	9552424.918	576250.062	18.322	MH JTL

82	9552405.167	576269.394	18.908	MH SAFARICOM
83	9552404.477	576269.904	18.911	MH SAFARICOM
84	9552404.022	576269.395	18.927	MH SAFARICOM
85	9552404.701	576268.891	18.849	MH SAFARICOM
86	9552405.324	576265.283	18.813	WATER PIPE
87	9552355.963	576298.369	19.513	MH JTL
88	9552355.382	576298.773	19.513	MH JTL
89	9552355.618	576297.860	19.506	MH JTL
90	9552355.031	576298.166	19.501	MH JTL
91	9552355.368	576298.240	18.913	MH JTL INV
92	9552355.610	576297.999	19.180	TOP OF PIPE
93	9552355.455	576298.467	19.070	TOP OF PIPE
94	9552353.108	576298.978	19.781	WATER MH
95	9552352.605	576298.283	19.815	WATER MH
96	9552351.825	576298.838	19.806	WATER MH
97	9552352.300	576299.509	19.768	WATER MH
98	9552352.459	576299.132	19.128	TOP OF PIPE
99	9552353.251	576298.472	19.594	WATER AV
100	9552303.190	576333.542	18.411	WATER MH
101	9552302.684	576332.694	18.396	WATER MH
102	9552301.763	576333.312	18.400	WATER MH
103	9552302.330	576334.111	18.414	WATER MH
104	9552302.687	576333.123	17.511	TOP OF PIPE VALVE
105	9552228.131	576377.165	17.961	MH
106	9552228.377	576376.650	17.946	MH
107	9552227.834	576376.414	17.948	MH
108	9552227.603	576376.923	17.957	MH
109	9552227.958	576376.828	17.199	MH INV
110	9552227.739	576376.727	17.437	PIPE BOTTOM
111	9552226.567	576376.762	17.790	MH
112	9552225.243	576376.658	17.823	MH
113	9552225.502	576375.078	17.739	MH
115	9552213.626	576387.395	17.675	MH JTL
116	9552214.437	576386.901	17.682	MH JTL
117	9552213.322	576386.776	17.709	MH JTL
118	9552214.058	576386.383	17.707	MH JTL
119	9552213.512	576386.996	17.149	MH JTL INV
120	9552202.945	576393.959	17.999	MH JTL
121	9552202.722	576393.482	18.005	MH JTL
122	9552202.282	576393.793	18.007	MH JTL
123	9552202.468	576394.210	17.989	MH JTL
124	9552202.695	576393.754	17.626	MH JTL INV
125	9552215.234	576404.518	18.048	INTERNET MH
126	9552215.680	576404.975	18.052	INTERNET MH
127	9552215.225	576404.504	17.295	INTERNET MH INV 2.3M LENGTH
128	9552238.189	576386.636	17.699	STORM PIT MH
129	9552237.878	576386.168	17.657	STORM PIT MH
130	9552238.694	576386.312	17.699	STORM PIT MH
131	9552238.404	576385.806	17.654	STORM PIT MH
132	9552238.170	576385.953	17.479	PIPE BOTTOM INLET

133	9552238.574	576386.324	17.302	PIPE BOTTOM OUTLET
134	9552239.868	576387.114	17.882	STORM PIT MH
135	9552239.605	576388.309	18.447	STORM PIT MH
136	9552240.229	576387.756	18.458	STORM PIT MH C 6.08M
137	9552260.262	576377.360	18.000	2INCH WATER MH
138	9552260.854	576377.434	18.048	2INCH WATER MH
139	9552260.662	576377.130	18.063	2INCH WATER MH
140	9552291.263	576355.664	18.365	INTERNET MH
141	9552291.689	576356.182	18.375	INTERNET MH
142	9552293.543	576354.856	18.394	INTERNET MH
143	9552293.178	576354.245	18.383	INTERNET MH
144	9552292.794	576354.752	17.240	INTERNET MH INVERT V
145	9552358.272	576315.052	19.038	PIPE BOTTOM INLET
146	9552358.424	576315.401	18.869	PIPE BOTTOM OUTLET
147	9552358.353	576315.224	18.844	MH INV
148	9552358.766	576315.166	19.733	STORM PIT MH
149	9552358.307	576314.702	19.720	STORM PIT MH
150	9552357.822	576315.104	19.739	STORM PIT MH
151	9552358.270	576315.678	19.752	STORM PIT MH
152	9552359.273	576315.324	19.592	STORM PIT MH
153	9552355.709	576311.260	19.472	DRAIN
154	9552408.276	576283.957	19.365	MH PURPLE PIPE
155	9552408.567	576284.367	19.278	MH PURPLE PIPE
156	9552406.967	576285.465	19.288	MH PURPLE PIPE
157	9552406.598	576284.926	19.343	MH PURPLE PIPE
158	9552406.960	576285.178	18.669	MH PURPLE PIPE INV
159	9552418.008	576281.286	19.344	WATER VALVE MH
160	9552416.565	576280.858	19.350	WATER VALVE MH
161	9552417.045	576281.783	19.338	WATER VALVE MH
162	9552417.517	576281.471	18.042	WATER VALVE 20INCH WATER PIPE
163	9552417.197	576281.620	19.313	2.33DEPTH INV
164	9552417.537	576280.352	19.248	WATER VALVE MH
165	9552442.801	576323.095	19.408	STORM PIT MH
166	9552441.590	576322.587	19.509	STORM PIT MH
167	9552441.892	576321.447	19.367	STORM PIT MH
168	9552492.652	576412.215	18.281	2.5 INCH WATER PIPE
169	9552491.566	576411.928	18.268	2.5 INCH WATER PIPE DIRECTION
170	9552507.479	576433.853	17.631	MH SAFCM
171	9552507.689	576434.289	17.607	MH SAFCM
172	9552507.212	576434.420	17.605	MH SAFCM
173	9552517.981	576453.565	17.317	WATER VALVE MH
174	9552517.161	576454.285	17.403	WATER VALVE MH
175	9552517.795	576455.068	17.436	WATER VALVE MH
176	9552518.673	576454.427	17.433	WATER VALVE MH
177	9552518.097	576454.301	16.070	4INCH STEEL PIPE TOP
178	9552529.827	576443.350	17.583	INTERNET MH
179	9552530.428	576442.847	17.595	INTERNET MH
180	9552531.250	576445.181	17.467	INTERNET MH
181	9552531.919	576444.739	17.480	INTERNET MH
182	9552531.209	576444.494	16.774	INTERNET MH

183	9552520.971	576419.294	18.495	INTERNET MH 3 CABLES
184	9552520.501	576418.657	18.480	INTERNET MH 3 CABLES
185	9552520.263	576419.693	18.488	INTERNET MH 3 CABLES
186	9552519.848	576419.073	18.486	INTERNET MH 3 CABLES
187	9552520.395	576419.409	17.816	INTERNET MH 3 CABLES INV
188	9552490.145	576372.741	19.886	MH JTL
189	9552489.763	576373.008	19.827	MH JTL
190	9552489.774	576372.746	19.451	MH JTL
191	9552489.848	576372.204	19.870	MH JTL
192	9552489.363	576372.543	19.828	MH JTL
193	9552474.664	576349.328	19.543	INTERNET MH
194	9552475.254	576348.908	19.528	INTERNET MH
195	9552474.544	576347.832	19.533	INTERNET MH
196	9552473.956	576348.163	19.554	INTERNET MH
197	9552474.686	576348.831	18.777	INTERNET MH INV
198	9552457.551	576321.025	19.640	MH JTL
199	9552457.938	576320.888	19.649	MH JTL
200	9552457.658	576321.450	19.673	MH JTL
201	9552457.628	576321.046	19.433	MH JTL INV
202	9552458.100	576321.274	19.741	MH JTL
203	9552458.714	576320.669	19.456	MH JTL
204	9552459.280	576320.427	19.464	MH JTL
205	9552459.617	576320.948	19.477	MH JTL
206	9552458.894	576321.111	19.461	MH JTL
207	9552458.987	576320.845	18.970	MH JTL INV
208	9552503.583	576399.365	18.148	JTL MH INV
209	9552503.675	576398.963	18.450	JTL MH
210	9552503.928	576399.354	18.451	JTL MH
211	9552503.569	576399.641	18.488	JTL MH
212	9552503.234	576399.219	18.507	JTL MH

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Manholes

	1	9553360.893	577780.854	15.538	INV
	2	9553360.622	577781.189	15.958	
	3	9553360.496	577780.562	15.981	JTL INTERNET
	4	9553361.305	577781.066	16.028	
	5	9553361.193	577780.460	16.058	
	6	9553348.713	577778.678	15.007	INV
	7	9553349.058	577778.380	15.540	
	8	9553348.416	577778.269	15.519	JTL INTERNET
	9	9553348.282	577779.025	15.487	
	10	9553348.914	577779.156	15.462	
	11	9553353.375	577780.395	14.896	INV
	12	9553353.907	577780.259	15.535	
	13	9553353.697	577780.905	15.530	JTL INTERNET
	14	9553352.758	577780.579	15.548	
	15	9553352.922	577779.970	15.663	
	16	9553357.277	577781.204	15.197	INV
	17	9553356.952	577780.982	15.742	

18	9553356.949	577781.503	15.752	JTL INTERNET
19	9553357.620	577781.436	15.730	
20	9553357.544	577780.920	15.720	
21	9553326.067	577758.168	14.394	INV
22	9553326.703	577758.308	15.473	
23	9553326.187	577757.474	15.520	WATER MH
24	9553325.876	577758.853	15.501	
25	9553325.337	577758.010	15.503	
26	9553320.202	577750.977	14.798	INV
27	9553319.875	577750.900	15.512	
28	9553320.149	577751.451	15.495	STORM DRAINAGE
29	9553320.584	577751.265	15.507	
30	9553320.306	577750.795	15.518	
31	9553293.106	577700.684	16.051	
32	9553293.702	577701.867	16.071	COULD NOT MEASURE INVERT
33	9553294.066	577700.201	16.114	
34	9553294.590	577701.410	16.114	
35	9553286.126	577692.656	14.071	INV
36	9553286.042	577693.062	15.779	
37	9553286.615	577692.800	15.784	TELKOM
38	9553286.298	577692.183	16.189	
39	9553285.704	577692.531	16.204	
40	9553246.703	577620.776	16.116	INV
41	9553246.042	577620.540	16.832	
42	9553246.742	577620.043	16.775	UNKNOWN INTERNET
43	9553246.575	577621.404	16.839	
44	9553247.277	577620.936	16.819	
45	9553244.629	577617.453	16.197	INV
46	9553244.233	577617.321	16.793	
47	9553244.719	577617.042	16.859	UNKNOWN INTERNET
48	9553244.508	577617.851	16.795	
49	9553244.975	577617.625	16.873	
50	9553232.636	577595.765	16.292	INV
51	9553232.783	577595.380	17.390	
52	9553233.106	577596.002	17.396	WATER MH
53	9553232.506	577596.311	17.396	
54	9553232.178	577595.704	17.423	
55	9553214.300	577567.980	14.981	INV
56	9553214.300	577567.980	17.331	
57	9553213.803	577568.307	17.341	UNKNOWN INTERNET
58	9553213.423	577567.817	17.334	
59	9553213.973	577567.423	17.315	
60	9553305.224	577761.630	15.478	INV
61	9553305.410	577761.180	15.666	
62	9553305.602	577761.534	15.692	UNKNOWN INTERNET
63	9553305.260	577761.782	15.704	
64	9553304.922	577761.467	15.806	
65	9553304.864	577804.907	14.859	INV
66	9553304.348	577804.682	15.274	
67	9553305.051	577804.369	15.241	JTL INTERNET

68	9553305.342	577805.117	15.293	
69	9553304.676	577805.405	15.286	
70	9553409.762	577900.254	12.593	INV
71	9553409.265	577900.389	13.431	UNKNOWN INTERNET
72	9553409.581	577900.795	13.416	
73	9553410.268	577900.267	13.414	
74	9553409.956	577899.864	13.432	
75	9553374.645	577838.204	16.199	INV
76	9553374.678	577837.750	17.294	SEPTIC TANK
77	9553374.114	577837.957	17.290	
78	9553374.366	577838.544	17.276	
79	9553374.961	577838.290	17.278	
80	9553378.775	577845.699	14.978	INV
81	9553378.842	577845.871	15.675	STORM MH
82	9553378.536	577845.893	15.681	
83	9553378.535	577845.609	15.669	
84	9553378.805	577845.475	15.688	
85	9553360.283	577821.264	13.116	INV
86	9553360.283	577821.264	14.916	INTERNET CHAMBER
87	9553359.137	577819.047	14.990	
88	9553358.146	577819.532	14.999	
89	9553359.386	577821.928	14.913	
90	9553364.126	577822.150	14.567	INV
91	9553364.508	577822.275	14.964	
92	9553364.092	577822.551	14.962	
93	9553363.779	577822.059	14.971	
94	9553364.206	577821.767	14.969	
L-5B01	9553316.139	577815.855	15.114	MH
L-5B2	9553316.209	577816.616	15.067	MH
L-5B3	9553317.374	577816.541	15.077	MH
L-5B4	9553317.338	577815.785	15.121	MH
L-5B9	9553327.038	577820.492	14.884	SF MH
L-5B10	9553327.858	577820.802	14.901	SF MH
L-5B5	9553333.467	577822.039	15.069	MH
L-5B6	9553333.106	577822.739	15.043	MH
L-5B7	9553334.161	577823.267	15.008	MH
L-5B8	9553334.536	577822.582	15.037	MH
L-5B138	9553421.902	577925.399	12.918	STREET LIGHT
L-5B242	9553406.454	577896.984	13.569	STREET LIGHT
L-5B243	9553392.362	577873.343	14.087	STREET LIGHT
L-5B244	9553384.139	577858.351	14.413	STREET LIGHT
L-5B112	9553378.557	577846.554	15.118	TX WOODEN
L-5B111	9553376.576	577847.233	14.524	TX WOODEN
L-5B152	9553354.937	577856.272		PP STEEL
L-5APIC10	9553340.772	577826.602	15.241	PP CONCRETE
L-5APIC11	9553302.698	577806.783	15.300	PP STEEL
L-5APIC17	9553313.593	577795.654	13.443	PP CONCRETE
L-5APIC19	9553315.713	577778.316	13.515	PP CONCRETE
L-5APIC20	9553297.715	577746.877	13.892	PP WOODEN
L-5APIC23	9553267.135	577694.485	14.440	PP STEEL

L-5APIC24	9553241.485	577649.797	15.194	PP CONCRETE
L-5APIC9	9553369.274	577779.010	16.431	PPT
L-5APIC8	9553371.617	577777.997	16.590	PPT
L-5B531	9553399.758	577780.100	16.638	PP WOODEN
L-5APIC7	9553414.101	577761.865	17.051	PP CONCRETE
L-5APIC6	9553458.669	577744.114	17.490	PP CONCRETE CLINING
L-5APIC4	9553494.590	577754.786	17.165	PP CONCRETE
L-5APIC1	9553502.501	577725.924	17.984	PP CONCRETE
L-5APIC2	9553553.592	577705.208	18.665	PPT
L-5APIC3	9553555.960	577703.998	18.634	PPT
L-5APIC12	9553247.260	577829.178	15.344	PP CONCRETE
L-5APIC13	9553190.447	577852.124	14.659	PP CONCRETE
L-5APIC14	9553150.902	577868.031	12.279	PP CONCRETE
L-5APIC22	9553295.066	577742.975	13.810	PPT
L-5APIC21	9553296.457	577742.321	13.833	PPT
L-5APIC33	9553352.941	577778.929	13.544	TP
L-5APIC34	9553422.916	577754.695	15.287	TP
L-5APIC36	9553451.961	577743.643	15.525	TP
L-5APIC37	9553471.989	577735.914	15.775	TP
L-5APIC38	9553497.145	577724.426	15.783	TP
L-5APIC39	9553506.284	577745.944	15.399	TP
L-5APIC40	9553501.952	577756.410	15.144	TP
L-5APIC42	9553461.166	577764.066	15.706	TP
L-5APIC43	9553425.191	577778.765	15.243	TP
L-5APIC44	9553403.328	577788.493	14.853	TP
L-5APIC18	9553316.719	577788.040	13.302	PP STEEL
L-5APIC25	9553259.119	577640.996	14.991	STREET LIGHT
L-5APIC26	9553272.020	577661.109	14.785	STREET LIGHT
L-5APIC27	9553275.374	577663.576	14.842	STREET LIGHT
L-5APIC28	9553296.009	577701.829	14.505	STREET LIGHT
L-5APIC29	9553298.349	577708.529	14.087	STREET LIGHT
L-5APIC30	9553308.464	577726.191	13.820	STREET LIGHT
L-5APIC31	9553319.337	577744.956	13.632	STREET LIGHT
L-5APIC32	9553335.815	577772.422	13.600	STREET LIGHT

Billboards

1	9553365.574	577819.451	15.264	BILLBOARD
2	9553366.987	577818.851	15.313	BILLBOARD
3	9553318.557	577779.369	15.417	BILLBOARD
4	9553266.964	577693.373	16.460	BILLBOARD
5	9553252.217	577667.234	16.566	BILLBOARD
6	9553251.162	577667.962	16.595	BILLBOARD
7	9553273.577	577665.454	16.515	BILLBOARD
8	9553285.495	577687.065	16.233	BILLBOARD
9	9553284.616	577687.779	16.324	BILLBOARD
10	9553294.404	577702.568	16.214	BILLBOARD

Traffic Signs

1	9553340.637	577797.889	16.302	TRAFFIC SIGN
2	9553346.290	577776.427	15.491	TRAFFIC SIGN

M-1

MTN Manholes

417	9551368.452	573493.163	17.161	MTN MH 12
418	9551367.519	573492.827	17.125	MTN MH 12
419	9551367.337	573493.694	17.142	MTN MH 12
420	9551368.139	573493.912	17.103	MTN MH 12
5	9551248.420	574245.467	20.519	MTN MH 13
6	9551249.317	574245.528	20.478	MTN MH 13
7	9551249.612	574244.552	20.199	MTN MH 13
8	9551248.614	574244.484	20.248	MTN MH 13
9	9551223.988	574358.572	20.384	MTN MH 14
10	9551223.577	574359.911	20.327	MTN MH 14
11	9551224.693	574360.186	20.369	MTN MH 14
12	9551225.047	574358.890	20.363	MTN MH 14

IS Manholes

421	9551349.699	573604.668	17.436	IS MH 13
422	9551349.056	573603.993	17.418	IS MH 13
423	9551349.006	573604.641	17.423	IS MH 13
424	9551349.697	573603.986	17.407	IS MH 13
1	9551285.301	574142.242	19.654	IS MH 14
2	9551285.052	574142.854	19.658	IS MH 14
3	9551284.439	574142.640	19.646	IS MH 14
4	9551284.627	574141.979	19.643	IS MH 14
13	9551223.735	574360.352	20.409	IS MH 15
14	9551223.549	574360.976	20.272	IS MH 15
15	9551224.278	574361.156	20.310	IS MH 15
16	9551224.399	574360.547	20.262	IS MH 15

Sewer Manholes

159	9551496.911	574124.336	18.455	MH25
160	9551496.896	574124.475	18.429	MH25
161	9551497.306	574124.706	18.433	MH25
162	9551497.440	574124.698	18.439	MH25
163	9551497.480	574124.158	18.441	MH25
164	9551497.327	574124.161	18.444	MH25
165	9551497.232	574124.413	18.447	MH25 1.65M
166	9551446.101	574112.625	18.228	MH26 1.79M
167	9551441.149	574110.508	18.040	MH28
168	9551441.104	574110.499	18.044	MH28
169	9551442.153	574111.007	18.047	MH28
170	9551442.629	574109.988	18.041	MH28
171	9551442.379	574110.505	17.916	MH 28 1.43M
172	9551448.216	574090.093	18.792	MH29 1.36
173	9551409.241	574090.031	17.969	MH30
174	9551409.336	574090.030	17.955	MH30
175	9551409.602	574089.647	17.968	MH30
176	9551409.616	574089.523	17.981	MH30
177	9551409.093	574089.434	17.953	MH30

178	9551409.055	574089.582	17.962	MH30
179	9551409.301	574089.732	17.972	MH30 1.9
180	9551422.953	574043.352	17.585	MH31
181	9551422.116	574043.189	17.628	MH31
182	9551422.013	574044.029	17.648	MH31
183	9551422.847	574044.244	17.604	MH31
184	9551422.485	574043.776	17.610	MH31 1.53M
185	9551401.443	574128.987	18.683	MH32
186	9551401.447	574129.134	18.684	MH32
187	9551401.105	574129.580	18.655	MH32
188	9551401.199	574129.225	18.671	MH32 C
189	9551371.605	574067.694	17.766	MH33
190	9551371.682	574067.617	17.791	MH33
191	9551371.368	574067.233	17.802	MH33
192	9551371.242	574067.175	17.788	MH33
193	9551351.668	574157.165	19.633	MH34
194	9551331.481	574043.821	17.729	MH35
195	9551331.584	574043.909	17.726	MH35
196	9551332.019	574044.019	17.719	MH35
197	9551332.116	574043.879	17.720	MH35
198	9551331.919	574043.456	17.728	MH35
199	9551331.864	574043.374	17.730	MH35
200	9551331.812	574043.731	17.718	MH35 1.8M
201	9551331.808	574043.730	17.725	MH35 1.08M
202	9551323.030	574078.386	18.455	APPARENT MH 36
203	9551267.873	574066.515	17.411	MH 37

Liquid Manholes

MH58L	9551304.969	574179.526	20.065	MH58 LIQUID
	9551305.625	574179.329	20.085	MH58 LIQUID
	9551305.362	574178.677	20.072	MH58 LIQUID
	9551304.746	574178.896	20.047	MH58 LIQUID
MH59L	9551314.031	574137.792	19.434	MH59 LIQUID
	9551314.825	574138.096	19.459	MH59 LIQUID
	9551315.189	574137.122	19.440	MH59 LIQUID
	9551314.399	574136.833	19.389	MH59 LIQUID
MH60L	9551355.402	573952.700	17.410	MH60 LIQUID
	9551355.654	573951.586	17.366	MH60 LIQUID
	9551356.393	573951.752	17.359	MH60 LIQUID
	9551356.232	573952.766	17.346	MH60 LIQUID
MH61L	9551333.980	573924.277	17.347	MH61 LIQUID
	9551334.107	573924.962	17.314	MH61 LIQUID
	9551334.642	573924.981	17.261	MH61 LIQUID
	9551334.698	573924.234	17.332	MH61 LIQUID
MH62L	9551325.030	573979.596	17.316	MH62 LIQUID
	9551325.147	573978.597	17.313	MH62 LIQUID

	9551323.691	573978.132	17.330	MH62 LIQUID
	9551323.449	573979.109	17.313	MH62 LIQUID
MH63L	9551294.879	574117.808	19.089	MH63LIQUID
	9551294.177	574117.641	19.175	MH63LIQUID
	9551293.872	574118.796	19.280	MH63LIQUID
	9551294.672	574118.929	19.106	MH63LIQUID
MH64L	9551282.005	574162.340	19.944	MH64LIQUID
	9551282.994	574162.534	19.897	MH64LIQUID
	9551281.890	574163.426	19.941	MH64LIQUID
	9551282.666	574163.565	19.919	MH64LIQUID
MH65L	9551273.051	574191.484	19.823	MH65LIQUID
	9551272.907	574191.062	20.320	MH65LIQUID
	9551273.531	574191.248	20.327	MH65LIQUID
	9551273.328	574191.981	20.327	MH65LIQUID
	9551272.678	574191.765	20.335	MH65LIQUID
MH49L	9551237.947	574312.760	19.903	MH49 LIQUID
	9551236.925	574312.478	19.950	MH49 LIQUID
	9551238.305	574310.692	19.900	MH49 LIQUID
	9551237.173	574310.566	19.943	MH49 LIQUID
MH50L	9551259.443	574241.192	20.285	MH50LIQUID
	9551259.644	574239.993	20.296	MH50LIQUID
	9551258.570	574239.602	20.284	MH50LIQUID
	9551258.270	574240.849	20.294	MH50LIQUID
MH51L	9551278.322	574274.551	20.068	MH51LIQUID
	9551278.128	574275.297	20.091	MH51LIQUID
	9551277.453	574275.168	20.091	MH51LIQUID
	9551277.581	574274.419	20.064	MH51LIQUID
MH52L	9551263.095	574326.030	20.001	MH52LIQUID
	9551262.424	574327.329	19.959	MH52LIQUID
	9551263.253	574327.619	19.948	MH52LIQUID
	9551263.896	574326.332	19.719	MH52LIQUID

Storm Water Manholes

137	9551209.890	574005.203	16.538	MH43-BLOCKED
138	9551210.537	574005.439	16.555	MH43-BLOCKED
139	9551210.350	574005.997	16.598	MH43-BLOCKED
140	9551209.718	574005.804	16.554	MH43-BLOCKED
141	9551178.766	573988.874	16.223	MH44-BLOCKED
142	9551178.288	573988.443	16.159	MH44-BLOCKED
143	9551177.896	573988.973	16.124	MH44-BLOCKED
144	9551178.395	573989.401	16.144	MH44-BLOCKED
145	9551178.239	573977.347	16.217	MH44-0.5
146	9551178.815	573977.757	16.229	MH44-0.5
147	9551179.172	573977.243	16.245	MH44-0.5

148	9551178.644	573976.852	16.234	MH44-0.5
149	9551201.213	573989.819	16.285	MH46-SEALED
150	9551201.889	573990.076	16.290	MH46-SEALED
151	9551201.652	573990.754	16.284	MH46-SEALED
152	9551200.975	573990.523	16.278	MH46-SEALED
153	9551213.533	573995.723	16.509	MH46-COULD
154	9551213.275	573996.394	16.494	MH46-COULD
155	9551213.958	573996.624	16.476	MH46-COULD
156	9551214.179	573995.982	16.437	MH46-COULD
157	9551242.649	574007.945	16.809	MH47-BLOCKED
158	9551243.345	574008.215	16.786	MH47-BLOCKED
159	9551243.526	574007.702	16.827	MH47-BLOCKED
160	9551242.941	574007.455	16.858	MH47-BLOCKED
161	9551301.085	574030.438	17.421	MH48-0.85
162	9551301.678	574030.741	17.340	MH48-0.85
163	9551301.364	574031.296	17.353	MH48-0.85
164	9551300.841	574031.037	17.343	MH48-0.85
165	9551312.511	574034.343	17.539	MH49-SEALED
166	9551313.082	574034.664	17.590	MH49-SEALED
167	9551313.388	574033.986	17.579	MH49-SEALED
168	9551312.784	574033.737	17.517	MH49-SEALED
169	9551317.204	574017.769	17.428	MH50-0.4
170	9551317.583	574017.878	17.461	MH50-0.4
171	9551317.473	574018.354	17.403	MH50-0.4
172	9551317.042	574018.310	17.403	MH50-0.4
173	9551317.178	574017.772	17.383	MH50-0.4
174	9551317.588	574017.875	17.440	MH50-0.4
175	9551327.343	574011.345	17.295	MH51-1
176	9551326.968	574011.270	17.319	MH51-1
177	9551327.045	574010.772	17.326	MH51-1
178	9551327.439	574010.862	17.294	MH51-1
179	9551325.874	573978.391	17.212	MH52-BLOCKED
180	9551325.768	573978.873	17.202	MH52-BLOCKED
181	9551326.139	573978.915	17.154	MH52-BLOCKED
182	9551326.236	573978.580	17.148	MH52-BLOCKED
183	9551337.058	573967.193	17.105	MH53-0.65
184	9551337.550	573967.292	17.088	MH53-0.65
185	9551337.659	573966.817	16.990	MH53-0.65
186	9551337.254	573966.740	17.018	MH53-0.65
187	9551338.378	573961.033	17.115	MH54-1M
188	9551337.864	573960.925	17.104	MH54-1M
189	9551337.971	573960.499	17.089	MH54-1M
190	9551338.455	573960.535	17.048	MH54-1M
191	9551332.696	573949.440	17.244	MH5J- 0.46
192	9551332.811	573948.924	17.223	MH5J- 0.46
193	9551332.391	573948.830	17.143	MH5J- 0.46
194	9551332.277	573949.381	17.160	MH5J- 0.46
195	9551346.983	573937.530	17.340	MH56- 1.3
196	9551347.700	573937.614	17.303	MH56- 1.3
197	9551347.797	573936.792	17.380	MH56- 1.3

198	9551347.110	573936.713	17.322	MH56- 1.3
199	9551347.975	573936.777	17.354	MH57- SEALED
200	9551348.424	573936.875	17.326	MH57- SEALED
201	9551348.565	573936.316	17.335	MH57- SEALED
202	9551348.168	573936.227	17.330	MH57- SEALED
203	9551344.520	573925.148	17.314	MH58- SEALED
204	9551344.570	573924.543	17.309	MH58- SEALED
205	9551344.005	573924.494	17.297	MH58- SEALED
206	9551343.967	573925.124	17.308	MH58- SEALED
207	9551335.164	573862.741	17.248	MH59- COULD
208	9551335.125	573862.249	17.239	MH59- COULD
209	9551343.517	573858.430	17.165	MH60-0.4M
210	9551343.108	573858.426	17.201	MH60-0.4M
211	9551343.060	573857.929	17.229	MH60-0.4M
212	9551343.504	573857.904	17.169	MH60-0.4M
213	9551356.702	573863.566	17.057	MH61-0.6M
214	9551356.302	573863.560	17.119	MH61-0.6M
215	9551356.311	573863.062	16.990	MH61-0.6M
216	9551356.694	573863.027	16.989	MH61-0.6M
217	9551356.866	573884.700	17.202	MH62-COULD
218	9551356.831	573884.214	17.121	MH62-COULD
219	9551357.705	573900.677	17.193	MH63-0.8
220	9551357.696	573901.338	17.196	MH63-0.8
221	9551358.304	573901.314	17.321	MH63-0.8
222	9551358.319	573900.707	17.310	MH63-0.8
223	9551357.369	573923.948	17.092	MH64-0.7
224	9551356.882	573924.146	17.121	MH64-0.7
225	9551357.055	573924.725	17.138	MH64-0.7
226	9551357.545	573924.635	17.108	MH64-0.7
227	9551361.143	573937.534	17.074	MH65-0.65
228	9551361.090	573937.087	17.079	MH65-0.65
229	9551361.562	573937.008	17.052	MH65-0.65
230	9551361.632	573937.406	17.086	MH65-0.65
231	9551343.914	573996.558	17.204	MH66-0.65
232	9551343.843	573997.009	17.141	MH66-0.65
233	9551343.479	573996.926	17.191	MH66-0.65
234	9551343.564	573996.480	17.129	MH66-0.65
235	9551334.473	574036.100	17.596	MH67-SEALED
236	9551333.904	574035.951	17.606	MH67-SEALED
237	9551333.746	574036.428	17.586	MH67-SEALED
238	9551334.313	574036.649	17.581	MH67-SEALED
239	9551343.837	574044.077	17.653	MH68-SILTED
240	9551344.376	574044.412	17.666	MH68-SILTED
241	9551344.671	574043.865	17.701	MH68-SILTED
242	9551344.150	574043.571	17.709	MH68-SILTED
243	9551332.114	574048.242	17.763	MH72-SEALED
244	9551331.953	574048.914	17.777	MH72-SEALED
245	9551331.287	574048.815	17.779	MH72-SEALED
246	9551331.499	574048.120	17.771	MH72-SEALED
247	9551318.962	574107.507	18.780	MH73-0.7

248	9551319.363	574107.611	18.746	MH73-0.7
249	9551319.538	574107.167	18.708	MH73-0.7
250	9551319.169	574107.143	18.681	MH73-0.7
251	9551307.543	574153.899	19.515	MH74-1m
252	9551307.406	574154.347	19.514	MH74-1m
253	9551306.964	574154.238	19.578	MH74-1m
254	9551307.096	574153.740	19.582	MH74-1m
255	9551306.935	574156.898	19.682	MH75-4M
256	9551306.784	574157.466	19.668	MH75-4M
257	9551307.508	574157.049	19.665	MH75-4M
258	9551307.381	574157.635	19.654	MH75-4M
259	9551298.373	574185.287	19.954	MH76-0.4M
260	9551298.236	574185.770	19.947	MH76-0.4M
261	9551298.669	574185.888	19.880	MH76-0.4M
262	9551298.806	574185.433	19.911	MH76-0.4M
263	9551280.654	574250.408	19.918	MH77-0.47M
264	9551280.231	574250.317	19.960	MH77-0.47M
265	9551280.106	574250.748	19.966	MH77-0.47M
266	9551280.520	574250.872	19.933	MH77-0.47M
267	9551279.307	574260.955	20.028	MH78-SEALED
268	9551278.289	574260.726	20.044	MH78-SEALED
269	9551278.054	574261.863	20.036	MH78-SEALED
270	9551279.015	574262.125	20.010	MH78-SEALED
271	9551397.154	574074.594	17.950	MH79-1.5M
272	9551398.087	574075.156	17.892	MH79-1.5M
273	9551398.624	574074.303	17.909	MH79-1.5M
274	9551397.715	574073.738	17.961	MH79-1.5M
275	9551398.920	574076.237	17.856	MH80-BLOCKED
276	9551398.623	574076.694	17.828	MH80-BLOCKED
277	9551399.147	574077.061	17.808	MH80-BLOCKED
278	9551399.434	574076.579	17.875	MH80-BLOCKED
279	9551405.879	574075.114	17.965	MH81-1.2M
280	9551406.096	574074.559	17.945	MH81-1.2M
281	9551405.537	574074.328	17.938	MH81-1.2M
283	9551399.902	574086.781	17.877	MH8A-SILTED
284	9551400.424	574087.122	17.900	MH8A-SILTED
285	9551400.115	574087.615	17.936	MH8A-SILTED
286	9551399.643	574087.329	17.965	MH8A-SILTED
287	9551403.906	574091.113	17.708	MH85-0.8
288	9551403.686	574091.480	17.710	MH85-0.8
289	9551403.555	574091.123	17.687	MH85-0.8
290	9551418.598	574088.216	18.023	MH86-SILTED
291	9551419.115	574088.532	18.047	MH86-SILTED
292	9551418.878	574088.933	17.981	MH86-SILTED
293	9551418.332	574088.571	17.982	MH86-SILTED
294	9551421.900	574100.705	18.128	MH87-SILTED
295	9551422.422	574101.087	18.106	MH87-SILTED
296	9551422.736	574100.576	18.094	MH87-SILTED
297	9551422.150	574100.230	18.132	MH87-SILTED
298	9551444.362	574103.742	18.128	MH88-SEALED

299	9551444.713	574103.116	18.123	MH88-SEALED
300	9551445.559	574103.604	18.087	MH88-SEALED
301	9551445.176	574104.224	18.089	MH88-SEALED
122	9551260.433	574242.495	20.058	MH39-0.9
123	9551260.875	574242.745	20.084	MH39-0.9
124	9551260.973	574241.557	20.057	MH39-0.9
125	9551261.424	574241.814	20.105	MH39-0.9
126	9551303.267	574081.312	18.283	MH40-BLOCKED
127	9551303.459	574080.087	18.232	MH40-BLOCKED
128	9551304.044	574080.159	18.281	MH40-BLOCKED

JTL Manholes

73	9551644.033	573951.563	18.491	JTL MH 12
74	9551644.292	573950.773	18.507	JTL MH 12
75	9551643.300	573951.418	18.484	JTL MH 12
76	9551643.496	573950.585	18.499	JTL MH 12
77	9551643.867	573950.803	18.238	JTL MH 12 INV
78	9551628.594	573960.487	18.781	JTL CP 27
79	9551602.626	574005.742	18.320	JTL MH 13 INV
80	9551602.836	574006.415	18.748	JTL MH 13
81	9551602.921	574005.576	18.617	JTL MH 13
82	9551602.177	574005.263	18.687	JTL MH 13
83	9551602.093	574006.313	18.738	JTL MH 13
84	9551579.897	574201.738	19.351	JTL MH 14
85	9551580.114	574200.947	19.304	JTL MH 14
86	9551579.115	574201.518	19.305	JTL MH 14
87	9551579.380	574200.676	19.312	JTL MH 14
88	9551579.809	574200.994	19.101	JTL MH 14 INV
89	9551571.138	574249.512	19.413	JTL MH 15
96	9551602.118	574137.350	18.956	JTL MH 16 INV
97	9551601.805	574137.215	19.158	JTL MH 16
98	9551602.561	574136.682	19.113	JTL MH 16
99	9551602.970	574137.380	19.234	JTL MH 16
100	9551602.069	574137.731	19.467	JTL MH 16
101	9551606.568	574125.951	18.900	JTL MH 17 INV
102	9551606.745	574125.911	19.148	JTL MH 17
103	9551606.155	574125.477	19.107	JTL MH 17
104	9551606.366	574126.545	19.089	JTL MH 17
105	9551605.556	574126.291	19.038	JTL MH 17
250	9551425.557	572760.803	15.250	JTL MH 32
251	9551425.557	572761.602	15.266	JTL MH 32
252	9551426.337	572761.617	15.280	JTL MH 32
253	9551426.428	572760.839	15.236	JTL MH 32
254	9551425.893	572761.389	14.796	JTL MH 32 INV
257	9551435.237	572741.830	16.509	JTL MH 33
258	9551436.020	572741.863	16.534	JTL MH 33
259	9551435.015	572744.176	16.378	JTL MH 33
260	9551435.781	572744.290	16.459	JTL MH 33
296	9553441.996	573002.336	23.068	JTL MH 34
297	9553442.628	573001.763	23.038	JTL MH 34

298	9553443.157	573002.325	23.068	JTL MH 34
299	9553442.539	573002.864	23.057	JTL MH 34
307	9553503.890	572985.896	23.348	JTL MH 35
308	9553504.500	572985.416	23.311	JTL MH 35
309	9553505.103	572986.085	23.269	JTL MH 35
310	9553504.526	572986.540	23.323	JTL MH 35
322	9553655.066	572943.544	22.859	JTL MH 36 INV
323	9553654.935	572943.615	23.532	JTL MH 36
324	9553655.361	572943.151	23.568	JTL MH 36
325	9553655.346	572944.184	23.602	JTL MH 36
326	9553655.956	572943.612	23.595	JTL MH 36
327	9553649.455	572940.026	23.496	JTL MH 37
328	9553648.958	572939.398	23.472	JTL MH 37
329	9553648.310	572939.896	23.490	JTL MH 37
330	9553648.846	572940.548	23.481	JTL MH 37
405	9551432.554	572817.213	15.726	JTL MH 38
406	9551432.464	572816.436	15.679	JTL MH 38
407	9551433.202	572816.437	15.760	JTL MH 38
408	9551433.252	572817.125	15.745	JTL MH 38

Telkom Manholes

9551281.264	574160.049	19.967	MH 1
9551280.939	574161.335	20.011	MH 1
9551281.936	574161.659	19.987	MH 1
9551282.379	574160.314	19.972	MH 1
9551292.955	574120.347	19.193	MH 2
9551293.283	574119.178	19.169	MH 2
9551301.917	574086.698	18.537	MH 3
9551302.564	574083.604	18.486	MH 3
9551300.791	574083.065	18.529	MH 3
9551300.179	574086.447	18.569	MH 3
9551301.461	574082.197	18.494	MH 4
9551301.601	574080.681	18.446	MH 4
9551303.411	574044.042	17.644	MH 5
9551302.23	574044.600	17.682	MH 5
9551301.182	574042.638	17.557	MH 5
9551302.373	574041.943	17.536	MH 5
9551208.796	573994.425	16.430	MH 6
9551209.23	573993.299	16.483	MH 6
9551210.307	573993.794	16.497	MH 6
9551209.956	573994.890	16.483	MH 6
9551306.831	574031.634	17.513	MH 9
9551308.534	574030.620	17.557	MH 9

9551323.964	573982.913	17.374	MH 11
9551324.454	573979.834	17.363	MH 11
9551324.465	573979.836	17.356	MH 11
9551322.793	573979.595	17.353	MH 11
9551332.843	573944.240	17.348	MH 12
9551333.145	573941.818	17.389	MH 12
9551337.094	574036.439	17.686	MH 14
9551337.404	574035.773	17.719	MH 14
9551338.457	574036.262	17.731	MH 14
9551338.1	574037.012	17.759	MH 14
9551338.086	574037.107	17.767	MH 15
9551337.655	574037.935	17.761	MH 15
9551338.986	574038.531	17.784	MH 15
9551339.438	574037.841	17.786	MH 15
9551343.577	574043.856	17.709	MH 16
9551445.529	574103.672	18.109	MH 19
9551445.106	574104.528	18.114	MH 19
9551446.837	574105.313	18.075	MH 19
9551447.168	574104.686	18.199	MH 19

Safaricom Manholes

MHSF1	9551358.833	573943.495	17.410	Safaricom Manhole
MHSF1	9551359.028	573942.682	17.406	Safaricom Manhole
MHSF1	9551358.197	573942.461	17.401	Safaricom Manhole
MHSF1	9551357.998	573943.358	17.396	Safaricom Manhole
MHSF2	9551311.869	574143.555	19.480	Safaricom Manhole
MHSF2	9551311.649	574144.435	19.507	Safaricom Manhole
MHSF2	9551312.277	574144.587	19.525	Safaricom Manhole
MHSF2	9551312.524	574143.738	19.539	Safaricom Manhole
MHSF2	9551312.072	574144.169	19.540	Safaricom Manhole
MHSF3	9551261.707	574327.355	19.846	Safaricom Manhole
MHSF3	9551262.386	574327.533	19.865	Safaricom Manhole
MHSF3	9551262.614	574326.669	19.877	Safaricom Manhole
MHSF3	9551261.967	574326.471	19.867	Safaricom Manhole
MHSF4	9551235.778	574419.495	20.926	Safaricom Manhole
MHSF5	9551334.597	573922.800	17.339	Safaricom Manhole
MHSF5	9551333.460	573922.809	17.368	Safaricom Manhole
MHSF5	9551333.515	573924.016	17.368	Safaricom Manhole
MHSF5	9551334.704	573923.974	17.362	Safaricom Manhole
MHSF5	9551334.042	573923.425	17.299	Safaricom Manhole
MHSF6	9551316.205	574011.675	17.473	Safaricom Manhole
MHSF6	9551316.983	574011.268	17.503	Safaricom Manhole
MHSF6	9551316.692	574012.326	17.478	Safaricom Manhole
MHSF6	9551315.590	574012.194	17.833	Safaricom Manhole

MHSF6	9551315.760	574011.003	17.488	Safaricom Manhole
MHSF7	9551300.757	574042.113	17.489	Safaricom Manhole
MHSF7	9551300.449	574042.915	17.550	Safaricom Manhole
MHSF7	9551299.620	574042.606	17.539	Safaricom Manhole
MHSF7	9551299.930	574041.833	17.497	Safaricom Manhole
MHSF7	9551300.118	574042.295	17.522	Safaricom Manhole
MHSF8	9551279.208	574033.112	17.247	Safaricom Manhole
MHSF8	9551279.367	574032.391	17.147	Safaricom Manhole
MHSF8	9551278.678	574032.186	17.117	Safaricom Manhole
MHSF8	9551278.502	574032.954	17.255	Safaricom Manhole
MHSF8	9551278.937	574032.651	17.232	Safaricom Manhole
MHSF9	9551209.720	573992.972	16.506	Safaricom Manhole
MHSF9	9551209.978	573992.365	16.487	Safaricom Manhole
MHSF9	9551210.749	573992.726	16.560	Safaricom Manhole
MHSF9	9551210.508	573993.381	16.558	Safaricom Manhole
MHSF9	9551210.234	573992.858	16.506	Safaricom Manhole
MHSF10	9551168.090	573967.430	16.185	Safaricom Manhole
MHSF10	9551168.658	573966.704	16.295	Safaricom Manhole
MHSF10	9551169.315	573967.225	16.331	Safaricom Manhole
MHSF10	9551168.809	573967.942	16.196	Safaricom Manhole
MHSF11	9551121.247	573932.224	15.811	Safaricom Manhole
MHSF11	9551120.513	573931.650	15.778	Safaricom Manhole
MHSF11	9551121.082	573930.902	15.809	Safaricom Manhole
MHSF11	9551121.714	573931.534	15.829	Safaricom Manhole
MHSF11	9551121.139	573931.631	15.839	Safaricom Manhole
MHSF12	9551285.294	574144.199	19.628	Safaricom Manhole
MHSF12	9551284.914	574144.988	19.654	Safaricom Manhole
MHSF12	9551284.369	574144.715	19.668	Safaricom Manhole
MHSF12	9551284.624	574143.913	19.622	Safaricom Manhole
MHSF12	9551284.695	574144.398	19.630	Safaricom Manhole
MHSF13	9551259.385	574236.730	20.150	Safaricom Manhole
MHSF13	9551259.742	574237.378	20.188	Safaricom Manhole
MHSF13	9551259.947	574236.525	20.162	Safaricom Manhole
MHSF13	9551259.281	574236.344	20.211	Safaricom Manhole
MHSF13	9551259.098	574237.122	20.121	Safaricom Manhole
MHSF14	9551251.524	574260.652	20.085	Safaricom Manhole
MHSF14	9551251.786	574261.417	20.067	Safaricom Manhole
MHSF14	9551250.996	574261.607	20.104	Safaricom Manhole
MHSF14	9551250.711	574260.826	20.110	Safaricom Manhole
MHSF14	9551251.276	574261.067	20.092	Safaricom Manhole
MHSF15	9551234.647	574319.808	19.841	Safaricom Manhole
MHSF15	9551235.330	574320.018	19.833	Safaricom Manhole
MHSF15	9551235.566	574319.149	19.828	Safaricom Manhole
MHSF15	9551234.899	574319.004	19.842	Safaricom Manhole
MHSF15	9551235.106	574319.540	19.838	Safaricom Manhole

Powerposts

M-2 AC60	9551294.477	574161.847	20.184	PPC 30
M-2 AC65	9551304.981	574122.193	19.099	PPC31
M-2 AC67	9551310.496	574099.367	18.870	PPC 32

M-2 AC72	9551215.087	574008.657	17.026	PPW 33
M-2 AC73	9551212.561	574007.685	16.919	PPW 34
M-2 AC74	9551168.561	573981.402	16.544	PPS 35
M-2 AC76	9551198.989	573977.553	16.375	PPC 36
M-2 AC77	9551199.749	573976.930	16.466	PPS 37
M-2 AC81	9551267.977	574027.167	17.145	PPW 38
M-2 AC84	9551325.251	574032.978	17.913	PPS 39
M-2 AC85	9551335.183	573986.586	17.642	PPS 40
M-2 AC86	9551335.986	573983.977	17.540	PPS 40
M-2 AC92	9551341.796	573956.079	17.487	PPW 42
M-2 AC93	9551346.121	573935.905	17.540	PPC 43
M-2 AC99	9551346.371	573887.749	17.501	PPC 44
M-2 AC100	9551346.239	573885.765	17.518	PPC 45
P 45	9551346.454	573885.918		concrete
P 46	9551368.727	574059.207		wooden
P 47	9551370.951	574059.929		steel
P 48	9551372.612	574061.442		concrete
P 49	9551374.807	574062.339		concrete
P 50	9551399.448	574076.996		wooden
P 51	9551400.446	574077.300		concrete
P 52	9551420.686	574090.364		steel
P 53	9551423.051	574091.452		concrete

Street Lights

M-2 AC63	9551284.928	574154.020	19.841	SL 5
M-2 AC64	9551293.522	574122.402	19.257	SL 6
M-2 AC107	9551337.045	574053.946	18.045	SL 8
M-2 AC113	9551591.171	574058.209	18.939	SL 9
M-2 AC70	9551324.115	574087.296	18.622	SL 16
M-2 AC94	9551333.882	573939.299	17.335	SL 20
M-2 AC96	9551335.009	573909.903	17.397	SL 21
M-2 AC98	9551334.873	573879.695	17.469	SL 22
M-2 AC103	9551349.915	573971.138	17.482	SL 23
M-2 AC105	9551343.230	574000.669	17.477	SL 24
M-2 AC101	9551357.799	573883.515	17.372	SL 25 BB COKE
M-2 AC102	9551356.852	573941.810	17.450	SL 26 BB COKE
M-2 AC91	9551327.102	573969.399	17.425	SL 27 BB GALAXY

Others

1	9551308.763	574161.805	19.846	TS 1
2	9551223.719	574415.505	21.117	BB
5	9551225.269	574412.584	21.097	CLOCK
6	9551267.829	574254.578	20.108	CLOCK
7	9551321.622	574044.536	18.092	CLOCK
8	9551195.700	574428.223	21.347	BB
10	9551199.854	574448.257	21.206	LAMP
11	9551209.648	574412.082	21.054	TS 2

M-2

Telkom Manholes

MH1T	9551399.157	573188.654	16.625	MH-1
	9551398.423	573188.610	16.647	MH-1
	9551398.299	573186.953	16.549	MH-1
	9551399.335	573187.043	16.542	MH-1
MH2T	9551398.190	573272.290	16.684	M2-MH2
	9551397.263	573272.390	16.800	M2-MH2
	9551397.299	573274.939	16.698	M2-MH2
	9551397.247	573274.871	17.115	M2-MH2
	9551398.188	573274.773	17.120	M2-MH2
MH4T	9551395.855	573377.517	17.475	M2-MH4
	9551395.740	573380.004	17.534	M2-MH4
	9551394.782	573380.136	17.588	M2-MH4
	9551394.824	573377.454	17.505	M2-MH4
MH5T	9551395.043	573390.170	17.394	M2-MH5
	9551394.917	573391.224	17.388	M2-MH5
	9551393.996	573391.071	17.383	M2-MH5
	9551394.069	573390.035	17.424	M2-MH5
MH6T	9551393.831	573389.253	17.503	M2-MH6
	9551393.207	573389.301	17.488	M2-MH6
	9551394.265	573386.644	17.487	M2-MH6
	9551392.306	573397.402	17.307	M2-MH6
MH7T	9551392.312	573397.412	17.301	M2-MH7
	9551392.452	573396.730	17.322	M2-MH7
	9551391.844	573396.675	17.329	M2-MH7
	9551391.543	573397.175	17.309	M2-MH7
MH8T	9551384.036	573405.013	16.766	M2-MH8
	9551384.223	573404.224	16.817	M2-MH8
	9551382.502	573403.693	16.657	M2-MH8
	9551382.289	573404.850	16.706	M2-MH8
MH9T	9551353.825	573400.255	15.988	M2-MH9
	9551355.288	573400.967	16.046	M2-MH9
	9551353.881	573400.798	15.984	M2-MH9
	9551355.155	573400.341	16.025	M2-MH9
MH10T	9551275.790	573390.306	14.699	M2-MH10
	9551278.034	573390.871	14.671	M2-MH10
	9551278.329	573390.156	14.806	M2-MH10
	9551275.932	573389.433	14.535	M2-MH10
MH11T	9551226.475	573384.060	13.952	M2-MH11
	9551228.774	573384.463	14.046	M2-MH11
	9551229.083	573383.422	14.000	M2-MH11
	9551226.677	573383.140	13.979	M2-MH11

	9551227.992	573384.007	12.996	M2-MH11 INVT
MH12T	9551449.146	573399.871	17.346	M2-MH12
	9551449.283	573398.982	17.405	M2-MH12
	9551448.456	573399.881	17.476	M2-MH12
	9551448.419	573399.730	17.371	M2-MH12EXT
	9551448.562	573398.865	17.348	M2-MH12EXT
	9551446.159	573399.359	17.363	M2-MH12
	9551446.224	573398.596	17.373	M2-MH12
	9551553.565	573437.490	16.713	M2-MH12
MH13T	9551382.467	573416.785	17.020	M2-MH13
	9551381.091	573416.143	16.946	M2-MH13
	9551380.602	573417.139	17.009	M2-MH13
	9551381.985	573417.688	17.059	M2-MH13
	9551385.384	573424.313	17.301	M2-MH13
MH14T	9551379.436	573456.340	17.437	M2-MH14
	9551379.196	573457.344	17.433	M2-MH14
	9551378.149	573457.214	17.414	M2-MH14
	9551378.413	573456.165	17.396	M2-MH14
MH15T	9551362.051	573521.099	17.561	M2-MH15
	9551361.770	573522.353	17.595	M2-MH15
	9551363.113	573522.718	17.553	M2-MH15
	9551363.409	573521.332	17.517	M2-MH15
MH16T	9551361.028	573531.932	17.614	M2-MH16
	9551359.793	573531.593	17.634	M2-MH16
	9551359.136	573534.728	17.642	M2-MH16
	9551360.469	573535.033	17.590	M2-MH16
MH17T	9551354.390	573581.409	17.317	M2-MH17
	9551352.468	573581.060	17.367	M2-MH17
	9551352.274	573583.102	17.371	M2-MH17
	9551354.087	573583.322	17.324	M2-MH17
Liquid Telkom Manholes				
MH68L	9551382.193	573558.570	17.265	MH68 LIQUID
	9551382.081	573559.920	17.271	MH68 LIQUID
	9551383.060	573560.034	17.069	MH68 LIQUID
	9551383.008	573558.681	17.271	MH68 LIQUID
MH69L	9551389.755	573514.729	17.185	MH69 LIQUID
	9551389.476	573515.964	17.158	MH69 LIQUID
	9551388.319	573515.729	17.288	MH69 LIQUID
	9551388.498	573514.442	17.110	MH69 LIQUID
MH70L	9551400.897	573469.393	17.067	MH70 LIQUID
	9551400.262	573469.226	17.051	MH70 LIQUID

	9551400.383	573468.401	17.081	MH70 LIQUID
	9551401.002	573468.551	17.064	MH70 LIQUID
MH71L	9551410.816	573432.842	17.032	MH71 LIQUID
	9551409.597	573432.536	17.005	MH71 LIQUID
	9551409.320	573433.502	16.972	MH71 LIQUID
	9551410.380	573433.852	17.022	MH71 LIQUID
	9551410.149	573433.213	15.900	MH71 INV
MH72L	9551519.300	573432.323	16.403	MH72
	9551519.185	573433.271	16.431	MH72
	9551520.297	573433.419	16.438	MH72
	9551520.349	573432.677	16.357	MH72
MH73L	9551553.520	573437.504	16.241	MH73
	9551553.489	573438.462	16.337	MH73
	9551554.710	573437.527	16.253	MH73
	9551554.609	573438.385	16.474	MH73
MH74L	9551399.421	573177.663	16.539	MH74 M2
	9551400.785	573177.775	16.402	MH74 M2
	9551400.515	573181.314	16.445	MH74 M2
	9551399.496	573181.082	16.502	MH74 M2
	9551399.850	573179.454	14.531	INVERT
MH75L	9551397.447	573272.379	16.371	MH 75 M2
	9551397.351	573274.909	16.297	MH 75 M2
	9551398.228	573274.841	16.312	MH 75 M2
	9551398.199	573272.307	16.301	MH 75 M2
MH76L	9551395.853	573383.684	16.599	MH76 M2
	9551395.869	573384.403	16.582	MH76 M2
	9551396.568	573384.438	16.547	MH76 M2
	9551396.662	573383.783	16.543	MH76 M2
MH77L	9551386.767	573403.271	16.113	MH77 M2
	9551386.245	573402.905	16.147	MH77 M2
	9551385.261	573403.924	16.111	MH77 M2
	9551385.728	573404.371	16.087	MH77 M2
MH78L	9551385.985	573429.249	16.462	MH78 M2
	9551386.879	573429.527	16.449	MH78 M2
	9551386.651	573430.619	16.412	MH78 M2
	9551385.716	573430.483	16.464	MH78 M2
	9551386.111	573430.225	15.318	INV
MH80L	9551371.202	573491.965	14.017	MH80 M2
	9551371.430	573491.049	13.975	MH80 M2
	9551370.559	573490.834	14.068	MH80 M2
	9551370.276	573491.778	14.036	MH80 M2

MH83L	9551378.524	573594.996	17.420	MH83
	9551378.507	573595.686	17.396	MH83
	9551379.320	573595.156	17.435	MH83
	9551379.234	573595.726	17.393	MH83

Powerposts

PP1	9551412.071	573209.501	17.020	P 1
PP10	9551384.155	573488.494	17.484	P 10
PP11	9551383.165	573490.815	17.509	P 11
PP12	9551377.703	573514.696	17.571	P 12
PP13	9551373.780	573534.787	17.546	P 13
PP14	9551373.268	573536.101	17.648	P 14
PP15	9551366.156	573580.234	17.705	P 15
PP16	9551365.643	573582.581	17.712	P 16
PP17	9551362.638	573403.652	16.029	P 17
PP18	9551326.333	573398.169	14.743	P 18
PP19	9551268.276	573391.118	13.991	P 19
PP2	9551411.285	573257.271	16.921	P 2
PP20	9551213.081	573383.960	13.259	P 20
PP21	9551464.768	573413.898	16.772	P 21
PP22	9551497.338	573418.855	16.785	P 22
PP23	9551524.092	573421.797	16.559	P 23
PP24	9551541.356	573424.190	16.533	P 24
PP25	9551567.721	573427.008	16.189	P 25
PP3	9551409.811	573304.013	16.870	P 3
PP5	9551410.518	573306.483	16.904	P 5
PP6	9551409.409	573306.377	16.918	P 6
PP7	9551408.462	573355.936	17.162	P 7
PP8	9551404.053	573405.254	17.863	P 8
PP9	9551392.455	573452.606	17.281	P 9

LV Connection

1	9551396.761	573340.073	16.916	CON
2	9551423.729	573212.497	16.483	CON
3	9551423.502	573252.671	16.633	CON
4	9551423.635	573284.901	16.747	CON
5	9551396.102	573369.258	16.930	CON
6	9551376.506	573453.537	17.066	CON
7	9551372.172	573489.274	17.076	CON
8	9551356.946	573534.575	17.336	CON
9	9551356.000	573569.844	17.354	CON
10	9551354.260	573582.302	17.351	CON
11	9551381.268	573553.630	17.199	CON
12	9551426.126	573395.919	16.909	CON
13	9551456.633	573402.133	16.767	CON
14	9551465.555	573406.459	16.692	CON
15	9551471.547	573427.449	16.796	CON
16	9551497.522	573430.301	16.696	CON

17	9551496.486	573409.805	16.724	CON
18	9551526.911	573410.639	16.534	CON
19	9551519.958	573432.925	16.384	CON
20	9551541.943	573412.284	16.386	CON
21	9551417.782	573422.809	17.076	CONNECT
22	9551396.252	573323.540	16.830	PP CON
23	9551404.823	573451.437	17.068	PP SUPPORT
24	9551422.256	573356.081	16.883	PP SUPPORT I

Internet Connection

1	9551411.746	573437.114	17.017	INTERNET
2	9551356.229	573546.538	17.323	INTERNET
3	9551358.539	573554.747	17.215	INTERNET
4	9551512.545	573411.738	16.597	INTERNET
5	9551540.350	573435.782	16.277	INTERNET
6	9551564.766	573438.577	16.259	INTERNET
7	9551383.237	573539.668	17.140	INTERNET

Streetlights

1	9551376.442	573451.576	17.072	SL 31
2	9551402.126	573476.475	17.174	SL 32
3	9551407.887	573450.658	17.123	SL 33
4	9551380.021	573419.811	16.885	SL 34
5	9551370.361	573494.561	17.108	SL 57
6	9551356.030	573569.393	17.289	SL 58
7	9551380.513	573559.103	17.211	SL 59
8	9551423.070	573213.373	16.482	SL 60

Stormwater Manholes

291	9551619.205	573432.887	16.007	MH73-1.04
292	9551618.954	573433.552	15.987	MH73-1.04
293	9551619.512	573433.777	15.998	MH73-1.04
294	9551619.770	573433.119	16.064	MH73-1.04
295	9551626.720	573437.083	15.652	MH74-BLOCKED
296	9551626.014	573437.089	15.636	MH74-BLOCKED
297	9551625.921	573437.618	15.605	MH74-BLOCKED
298	9551626.766	573437.661	15.604	MH74-BLOCKED
299	9551603.159	573434.734	15.708	MH75-0.8
300	9551602.643	573434.672	15.672	MH75-0.8
301	9551602.512	573435.178	15.703	MH75-0.8
302	9551603.064	573435.259	15.699	MH75-0.8
303	9551583.622	573432.324	16.093	MH76-1.35
304	9551584.555	573432.372	16.081	MH76-1.35
305	9551583.645	573431.514	16.133	MH76-1.35
306	9551584.623	573431.500	16.265	MH76-1.35
307	9551567.697	573429.904	15.836	MH77-0.8
308	9551567.112	573429.784	15.847	MH77-0.8
309	9551567.014	573430.332	15.933	MH77-0.8
310	9551567.550	573430.454	15.937	MH77-0.8
311	9551491.830	573418.284	16.449	MH78-1.05

312	9551491.271	573418.230	16.468	MH78-1.05
313	9551491.163	573418.811	16.456	MH78-1.05
314	9551491.723	573418.918	16.468	MH78-1.05
315	9551480.140	573418.214	16.429	MH79-0.8
316	9551479.586	573418.091	16.449	MH79-0.8
317	9551479.450	573418.642	16.442	MH79-0.8
318	9551480.034	573418.734	16.450	MH79-0.8
319	9551478.128	573426.516	16.608	MH80-BLOCKED
320	9551478.952	573426.687	16.552	MH80-BLOCKED
321	9551479.057	573426.137	16.517	MH80-BLOCKED
322	9551478.426	573426.022	16.521	MH80-BLOCKED
323	9551497.538	573429.315	16.466	MH81-BLOCKED
324	9551497.600	573428.769	16.422	MH81-BLOCKED
325	9551498.289	573428.831	16.436	MH81-BLOCKED
326	9551498.273	573429.398	16.491	MH81-BLOCKED
327	9551578.905	573441.590	15.951	MH82-BLOCKED
328	9551578.217	573442.798	15.974	MH82-SEALED
329	9551579.413	573443.474	15.986	MH82-SEALED
330	9551580.097	573442.260	15.972	MH82-SEALED
340	9551409.563	573427.275	16.773	MH85-0.8
341	9551409.103	573427.132	16.787	MH85-0.8
342	9551409.238	573426.649	16.795	MH85-0.8
347	9551373.472	573487.445	16.865	MH87-0.8
348	9551373.092	573487.306	16.874	MH87-0.8
349	9551372.966	573487.802	16.852	MH87-0.8
350	9551373.365	573487.890	16.851	MH87-0.8
351	9551389.370	573510.276	16.882	MH88
352	9551389.032	573510.221	16.879	MH88
353	9551388.917	573510.750	16.866	MH88
354	9551389.275	573510.845	16.866	MH88-0.8
355	9551380.373	573557.444	17.067	MH89-0.7
356	9551379.952	573557.343	16.940	MH89-0.7
357	9551379.849	573557.950	16.993	MH89-0.7
358	9551380.230	573557.988	16.945	MH89-0.7
359	9551375.765	573578.553	17.199	MH90-SEALED
360	9551375.296	573578.375	17.224	MH90-SEALED
361	9551375.174	573578.905	17.220	MH90-SEALED
362	9551375.631	573579.018	17.232	MH90-SEALED
363	9551379.334	573583.361	17.084	MH91-SEALED
364	9551379.486	573582.685	17.092	MH91-SEALED
365	9551378.523	573582.465	17.105	MH91-SEALED
366	9551378.367	573583.118	17.111	MH91-SEALED
367	9551375.275	573598.414	17.105	MH92-0.7
368	9551374.870	573598.259	17.166	MH92-0.7
369	9551374.701	573598.750	17.157	MH92-0.7
370	9551375.066	573598.905	17.181	MH92-0.7
371	9551349.484	573625.770	17.297	MH93-
372	9551349.420	573626.386	17.247	MH93-
373	9551349.793	573626.441	17.266	MH93-
374	9551349.840	573626.165	17.266	MH93-1

375	9551356.653	573630.841	17.278	MH94-0.7
376	9551356.557	573631.363	17.365	MH94-0.7
377	9551357.050	573631.439	17.202	MH94-0.7
378	9551357.109	573630.911	17.212	MH94-0.7
409	9551388.557	573413.215	16.711	MH103-SEALED
410	9551389.216	573413.420	16.687	MH103-SEALED
411	9551388.995	573414.330	16.662	MH103-SEALED
412	9551388.311	573414.193	16.686	MH103-SEALED
413	9551324.002	573406.565	14.506	MH104-SEALED
414	9551324.035	573406.137	14.529	MH104-SEALED
415	9551324.543	573406.199	14.549	MH104-SEALED
416	9551324.509	573406.608	14.514	MH104-SEALED
417	9551307.168	573410.759	14.230	MH105-0.6
418	9551306.810	573410.391	14.262	MH105-0.6
419	9551307.206	573410.023	14.273	MH105-0.6
420	9551307.521	573410.427	14.214	MH105-0.6
421	9551305.755	573404.456	14.212	MH106-SEALED
422	9551305.671	573404.880	14.200	MH106-SEALED
423	9551306.250	573404.936	14.232	MH106-SEALED
424	9551306.302	573404.557	14.249	MH106-SEALED
425	9551359.504	573411.305	15.623	MH107-SEALED
426	9551359.401	573411.802	15.612	MH107-SEALED
427	9551360.053	573411.927	15.613	MH107-SEALED
428	9551360.144	573411.430	15.604	MH107-SEALED
429	9551407.644	573340.497	16.516	MH108-0.6
430	9551407.178	573340.445	16.561	MH108-0.6
431	9551407.175	573339.910	16.545	MH108-0.6
432	9551407.636	573339.902	16.532	MH108-0.6
433	9551400.717	573303.177	16.398	MH109-0.55
434	9551401.049	573303.178	16.411	MH109-0.55
435	9551401.048	573302.895	16.415	MH109-0.55
436	9551400.727	573302.850	16.388	MH109-0.55
437	9551408.552	573296.059	16.400	MH110-0.84
438	9551408.093	573296.064	16.488	MH110-0.84
439	9551408.091	573295.571	16.466	MH110-0.84
440	9551408.511	573295.583	16.432	MH110-0.84
441	9551420.844	573294.975	16.313	MH111-0.7
442	9551420.861	573294.555	16.351	MH111-0.7
443	9551420.661	573294.525	16.389	MH111-0.7
444	9551420.682	573294.967	16.359	MH111-0.7
445	9551421.152	573256.382	16.325	MH112-0.7
446	9551421.517	573256.432	16.318	MH112-0.7
447	9551421.532	573256.030	16.317	MH112-0.7
448	9551421.167	573255.997	16.348	MH112-0.7
449	9551422.480	573220.007	16.277	MH113-0.8
450	9551422.455	573219.533	16.302	MH113-0.8
451	9551422.067	573219.534	16.258	MH113-0.8
452	9551422.055	573219.984	16.252	MH113-0.8
453	9551410.549	573200.884	16.556	MH114-0.62
454	9551410.069	573200.844	16.650	MH114-0.62

455	9551410.098	573200.348	16.611	MH114-0.62
456	9551410.548	573200.354	16.569	MH114-0.62
457	9551423.394	573176.305	16.173	MH115-0.8
458	9551422.995	573176.317	16.196	MH115-0.8
459	9551423.019	573176.832	16.199	MH115-0.8
460	9551423.412	573176.837	16.181	MH115-0.8
461	9551427.495	573166.749	16.136	MH116-0.5
462	9551427.888	573166.441	16.059	MH116-0.5
463	9551428.228	573166.759	16.196	MH116-0.5
464	9551427.892	573167.090	16.146	MH116-0.5

IS Manholes

409	9551400.718	573189.632	16.571	IS MH 12
410	9551400.045	573189.584	16.570	IS MH 12
411	9551400.062	573190.243	16.562	IS MH 12
412	9551400.730	573190.290	16.552	IS MH 12
421	9551349.699	573604.668	17.436	IS MH 13
422	9551349.056	573603.993	17.418	IS MH 13
423	9551349.006	573604.641	17.423	IS MH 13
424	9551349.697	573603.986	17.407	IS MH 13

MTN Manholes

413	9551382.208	573403.682	16.375	MTN MH 11
414	9551382.166	573404.535	16.344	MTN MH 11
415	9551381.281	573404.569	16.232	MTN MH 11
416	9551381.334	573403.586	16.403	MTN MH 11

JTL Manholes

317	9551442.044	573422.840	17.023	JTL MH 21
318	9551440.379	573422.698	17.035	JTL MH 21
319	9551440.270	573423.492	17.064	JTL MH 21
320	9551440.707	573423.423	16.670	JTL MH 21 INV
321	9551441.955	573423.637	17.020	JTL MH 21

M-3

Safaricom Manholes				
MHSF41	9551398.441	572684.709	17.680	Safaricom Manhole
MHSF41	9551398.497	572683.931	17.663	Safaricom Manhole
MHSF41	9551397.895	572683.832	17.689	Safaricom Manhole
MHSF41	9551397.776	572684.616	17.739	Safaricom Manhole
MHSF41	9551398.091	572684.213	17.749	Safaricom Manhole
MHSF42	9551451.328	572679.065	17.691	Safaricom Manhole
MHSF42	9551452.075	572678.750	17.620	Safaricom Manhole
MHSF42	9551451.745	572677.973	17.638	Safaricom Manhole
MHSF42	9551451.007	572678.319	17.691	Safaricom Manhole
MHSF42	9551451.453	572678.331	17.709	Safaricom Manhole
MHSF43	9551458.617	572695.354	17.071	Safaricom Manhole
MHSF43	9551458.115	572694.935	17.078	Safaricom Manhole
MHSF43	9551457.672	572695.482	17.071	Safaricom Manhole
MHSF43	9551458.156	572695.923	17.150	Safaricom Manhole

MHSF43	9551457.945	572695.517	17.101	Safaricom Manhole
MHSF44	9551433.699	572914.849	16.199	Safaricom Manhole
MHSF44	9551434.258	572914.192	16.285	Safaricom Manhole
MHSF44	9551435.003	572914.710	16.182	Safaricom Manhole
MHSF44	9551434.584	572915.374	16.167	Safaricom Manhole
MHSF44	9551434.311	572914.917	16.216	Safaricom Manhole

Water Valve Manholes

Valve1	9551396.058	572736.998	15.706	WATER VALVE
Valve1	9551396.234	572736.355	15.683	WATER VALVE
Valve1	9551397.348	572737.293	15.697	WATER VALVE
Valve1	9551397.505	572736.621	15.728	WATER VALVE
Valve1	9551396.580	572736.701	14.786	WATER VALVE
Valve2	9551366.063	572581.424	13.897	WATER VALVE
Valve2	9551366.685	572581.002	13.905	WATER VALVE
Valve2	9551367.005	572582.527	13.955	WATER VALVE
Valve2	9551367.596	572581.959	13.937	WATER VALVE
Valve2	9551366.533	572581.428	11.895	WATER VALVE
Valve3	9551488.978	572200.985	5.267	WATER VALVE
Valve3	9551487.321	572202.123	5.256	WATER VALVE
Valve3	9551486.714	572201.435	5.218	WATER VALVE
Valve3	9551488.313	572200.170	5.229	WATER VALVE
Valve3	9551488.218	572200.707	3.429	WATER VALVE
Valve4	9551481.951	572636.741	17.282	WATER VALVE
Valve4	9551482.501	572635.945	17.291	WATER VALVE
Valve4	9551481.649	572635.309	17.351	WATER VALVE
Valve4	9551481.003	572636.219	17.355	WATER VALVE
Valve5	9551480.661	572635.863	17.217	WATER VALVE
Valve5	9551479.692	572635.220	17.255	WATER VALVE
Valve5	9551480.239	572634.344	17.255	WATER VALVE
Valve5	9551481.216	572634.989	17.232	WATER VALVE
Valve5	9551480.315	572635.521	17.386	WATER VALVE
Valve5	9551480.718	572635.133	17.408	WATER VALVE
Valve5	9551480.297	572635.153	17.385	WATER VALVE

Powerposts

33	9551528.088	572579.184	18.339	P 1
34	9551530.116	572577.315	18.691	P 2
35	9551531.141	572575.370	18.721	P 3
36	9551499.109	572618.396	17.840	P 4
37	9551497.975	572620.042	17.778	P 5
38	9551405.302	572618.884	15.434	P 16
39	9551392.609	572582.656	13.781	P 17
40	9551368.199	572586.199	14.223	P 18
41	9551368.620	572588.659	14.317	P 19
42	9551428.321	572672.889	17.029	P 13
43	9551427.295	572670.851	17.106	P 13
44	9551424.487	572664.558	17.110	P 15
45	9551418.713	572902.956	16.816	P 11

46	9551418.404	572904.892	16.761	P 12
47	9551429.783	572740.028	16.044	P 8
48	9551430.910	572777.157	15.685	P 9
49	9551462.661	572689.275	17.098	P 7
50	9551418.831	572894.631	16.443	P 10
51	9551472.008	572656.070	17.730	P 6
52	9551419.550	572855.570	16.244	P 9
53	9551419.447	572857.955	16.401	P 9
56	9551368.209	572531.513	12.269	SL 1
58	9551405.858	572679.849	16.515	SUPPORT

Internet Posts

1	9551514.592	572584.290	18.042	UP 1
2	9551470.360	572652.346	17.561	UP 2
3	9551438.999	572723.324	16.490	UP 3
4	9551432.422	572757.736	17.166	UP 4
5	9551403.593	572752.735	15.398	UP 5
6	9551399.365	572734.344	17.326	UP 6

Building Connection

1	9551431.639	572902.433	16.451	PP CON
2	9551407.077	572858.155	16.172	PP CON
3	9551406.515	572790.582	15.675	PP CON
4	9551467.671	572645.697	17.309	CON

Others

1	9551367.634	572535.150	12.198	TS RESTRICTED AREA
2	9551366.732	572535.242	12.128	TS RESTRICTED AREA
3	9551394.654	572735.107	17.028	TS STOP
4	9551405.552	572901.241	16.546	BB UD TRUCKS
5	9551405.574	572900.375	16.677	BB UD TRUCKS
6	9551403.355	572900.148	16.726	BB UD TRUCKS
7	9551403.295	572901.107	16.639	BB UD TRUCKS
8	9551432.272	572851.387	15.912	TS
9	9551420.588	572850.930	16.199	TS
10	9551373.061	572607.297	14.841	TS KENYA MARITIME AUTHORITY
11	9551367.292	572546.965	12.687	TS KENYA MARITIME AUTHORITY
12	9551365.941	572547.410	12.792	TS KENYA MARITIME AUTHORITY
13	9551401.204	572753.223	15.966	BB MINISTRY OF ROAD
14	9551400.950	572754.435	15.815	BB MINISTRY OF ROAD
15	9551478.611	572642.286	17.610	TS MISSION SEAFARERS
16	9551476.531	572640.637	17.555	TS MISSION SEAFARERS
17	9551404.392	572861.419	16.130	BB OLA
18	9551404.329	572860.700	16.179	BB OLA
19	9551401.629	572860.595	16.139	BB OLA
20	9551401.704	572861.533	16.285	BB OLA
21	9551431.348	572889.399	16.159	BB HAROON YUASA LTD
22	9551433.519	572889.489	16.123	BB HAROON YUASA LTD
23	9551401.097	572732.572	17.539	TS BANDARI ACADEMY
24	9551403.912	572732.282	17.524	TS BANDARI ACADEMY

25	9551369.886	572596.126	14.600	TS BUS STAGE
26	9551404.431	572910.892	16.798	BB CMC MOTORS
27	9551402.118	572910.320	16.894	BB CMC MOTORS
28	9551401.955	572911.153	16.595	BB CMC MOTORS
29	9551404.251	572911.705	16.677	BB CMC MOTORS
9	9551379.105	572621.699	15.350	FLAG
10	9551379.851	572621.069	15.254	FLAG

JTL Manholes

238	9551433.207	572872.532	15.666	JTL MH 40
239	9551432.921	572872.583	15.976	JTL MH 40
240	9551433.410	572872.610	15.953	JTL MH 40
241	9551433.448	572871.990	15.964	JTL MH 40
242	9551432.955	572871.994	15.962	JTL MH 40
245	9551406.187	572858.309	16.142	JTL MH 41
246	9551405.379	572858.307	16.141	JTL MH 41
247	9551405.364	572857.527	16.121	JTL MH 41
248	9551406.162	572857.516	16.133	JTL MH 41
249	9551405.695	572857.866	15.713	JTL MH 41 INV
250	9551425.557	572760.803	15.250	JTL MH 42
251	9551425.557	572761.602	15.266	JTL MH 42
252	9551426.337	572761.617	15.280	JTL MH 42
253	9551426.428	572760.839	15.236	JTL MH 42
254	9551425.893	572761.389	14.796	JTL MH 42 INV
257	9551435.237	572741.830	16.509	JTL MH 43
258	9551436.020	572741.863	16.534	JTL MH 43
259	9551435.015	572744.176	16.378	JTL MH 43
260	9551435.781	572744.290	16.459	JTL MH 43
405	9551432.554	572817.213	15.726	JTL MH 48
406	9551432.464	572816.436	15.679	JTL MH 48
407	9551433.202	572816.437	15.760	JTL MH 48
408	9551433.252	572817.125	15.745	JTL MH 48

MTN Manholes

383	9551512.245	572583.594	17.687	MTN MH 8 INV
384	9551512.770	572583.180	18.053	MTN MH 8
385	9551512.250	572582.811	18.078	MTN MH 8
386	9551512.411	572584.058	18.008	MTN MH 8
387	9551511.682	572583.644	18.030	MTN MH 8
392	9551370.418	572593.900	14.407	MTN MH 9
393	9551369.657	572594.076	14.431	MTN MH 9
394	9551369.985	572595.093	14.430	MTN MH 9
395	9551370.695	572594.861	14.351	MTN MH 9
396	9551401.129	572755.906	15.003	MTN MH 10 INV
397	9551401.381	572755.844	15.349	MTN MH 10
398	9551400.374	572755.535	15.416	MTN MH 10
399	9551400.144	572756.715	15.512	MTN MH 10
400	9551400.950	572756.979	15.393	MTN MH 10

IS Manholes

388	9551450.796	572680.564	17.331	IS MH 10
389	9551450.937	572679.913	17.364	IS MH 10
390	9551450.338	572679.784	17.406	IS MH 10
391	9551450.128	572680.389	17.371	IS MH 10
401	9551432.335	572790.452	15.843	IS MH 11
402	9551432.493	572791.075	15.865	IS MH 11
403	9551431.875	572791.258	15.837	IS MH 11
404	9551431.682	572790.662	15.856	IS MH 11

Liquid Manholes

MH86L	9551394.345	572542.320	12.703	MH86 M3
	9551393.851	572542.360	12.685	MH86 M3
	9551394.439	572543.766	12.693	MH86 M3
	9551393.947	572543.921	12.707	MH86 M3
	9551394.043	572543.443	11.684	INV
MH87L	9551413.934	572639.712	14.883	MH87 M3
	9551414.472	572639.560	14.878	MH87 M3
	9551414.171	572640.643	14.863	MH87 M3
	9551414.775	572640.442	14.885	MH87 M3
	9551414.205	572640.025	14.198	INVERT
MH88L	9551429.168	572671.415	16.940	MH88 M3
	9551429.472	572671.256	16.854	MH88 M3
	9551429.156	572672.001	16.912	MH88 M3
	9551429.687	572671.739	16.898	MH88 M3
MH89L	9551429.931	572674.251	16.962	MH89 M3
	9551430.654	572673.942	17.027	MH89 M3
	9551431.014	572675.664	16.909	MH89 M3
	9551431.527	572675.402	16.808	MH89 M3
	9551430.719	572674.633	16.421	INV
MH93L	9551458.119	572693.091	17.020	MH93 M3
	9551459.153	572693.365	17.043	MH93 M3
	9551458.965	572693.959	17.045	MH93 M3
	9551459.005	572693.969	16.927	MH93 M3
	9551458.576	572693.755	16.366	INV
MH94L	9551452.982	572702.245	16.677	MH94 M3
	9551453.437	572701.514	16.602	MH94 M3
	9551453.977	572701.741	16.657	MH94 M3
	9551453.520	572702.633	16.664	MH94 M3
	9551453.521	572702.224	16.119	INV
MH95L	9551427.017	572762.728	15.346	MH95 M3
	9551427.030	572763.215	15.289	MH95 M3
	9551428.249	572762.801	15.353	MH95 M3
	9551428.335	572763.223	15.361	MH95 M3
MH96L	9551432.827	572871.899	15.934	MH96 M3

	9551432.849	572872.687	15.963	MH96 M3
	9551433.583	572872.740	15.976	MH96 M3
	9551433.598	572871.777	15.991	MH96 M3
	9551433.290	572872.274	15.597	INV
MH98L	9551432.919	572901.813	16.249	MH98 M3
	9551432.364	572901.653	16.241	MH98 M3
	9551432.420	572900.702	16.211	MH98 M3
	9551432.846	572900.618	16.226	MH98 M3

Storm water Manholes

1	9551402.364	572747.190	15.351	MH1
2	9551401.907	572747.228	15.370	MH1
3	9551401.903	572746.736	15.366	MH1
4	9551402.345	572746.718	15.365	MH1
5	9551405.864	572740.588	15.276	MH2
6	9551406.687	572740.515	15.258	MH2
7	9551406.617	572739.731	15.286	MH2-0.7M
8	9551405.841	572739.798	15.278	MH2-0.7M
9	9551411.512	572736.254	15.157	MH-1.2M
10	9551410.760	572736.284	15.176	MH-1.2M
11	9551410.824	572737.014	15.169	MH-1.2M
12	9551411.567	572736.963	15.175	MH-1.2M
13	9551417.852	572736.761	15.298	MH4
14	9551418.566	572736.720	15.296	MH4
15	9551418.532	572737.382	15.295	MH4
16	9551417.848	572737.317	15.296	MH4-1.1m
17	9551385.591	572625.560	14.395	MH5-SEALED
18	9551385.943	572626.149	14.375	MH5-SEALED
19	9551386.605	572625.820	14.439	MH5-SEALED
20	9551386.232	572625.158	14.413	MH5-SEALED
21	9551380.081	572616.151	14.389	MH6-SEALED
22	9551380.546	572616.699	14.383	MH6-SEALED
23	9551381.118	572616.269	14.358	MH6-SEALED
24	9551380.635	572615.667	14.376	MH6-SEALED
25	9551399.367	572585.508	15.192	MH7-2.9M
26	9551399.590	572586.476	15.161	MH7-2.9M
27	9551397.544	572586.928	15.209	MH7-2.9M
28	9551397.350	572585.926	15.194	MH7-2.9M
29	9551389.288	572587.572	13.442	MH8-SEALED
30	9551388.587	572587.719	13.424	MH8-SEALED
31	9551388.739	572588.429	13.428	MH8-SEALED
32	9551389.418	572588.290	13.433	MH8-SEALED
33	9551387.624	572588.247	13.246	MH9-BLOCKED
34	9551387.240	572588.357	13.241	MH9-BLOCKED
35	9551387.435	572589.141	13.258	MH9-BLOCKED
36	9551387.752	572589.077	13.265	MH9-BLOCKED
37	9551402.839	572627.869	14.514	MH10-0.62
38	9551402.527	572628.030	14.483	MH10-0.62
39	9551402.814	572628.420	14.503	MH10-0.62

40	9551403.119	572628.245	14.514	MH10-0.62
41	9551437.321	572681.215	16.286	MH11-SEALED
42	9551437.878	572681.685	16.277	MH11-SEALED
43	9551437.329	572682.354	16.241	MH11-SEALED
44	9551436.774	572681.849	16.243	MH11-SEALED
45	9551445.831	572685.039	16.313	MH12-SEALED
46	9551445.506	572685.519	16.299	MH12-SEALED
47	9551446.025	572685.479	16.307	MH12-SEALED
48	9551517.930	572562.582	17.976	MH13-0.5M
49	9551517.790	572562.076	17.988	MH13-0.5M
50	9551517.477	572562.630	17.989	MH13-0.5M
51	9551526.467	572564.208	18.045	MH14-1.05M
52	9551526.490	572563.385	18.073	MH14-1.05M
53	9551525.536	572563.350	18.061	MH14-1.05M
54	9551525.553	572564.212	18.028	MH14-1.05M
55	9551515.522	572587.970	17.955	MH15-SEALED
56	9551514.892	572587.748	17.938	MH15-SEALED
57	9551514.618	572588.532	18.034	MH15-SEALED
58	9551515.240	572588.796	17.995	MH15-SEALED
59	9551505.361	572635.058	17.575	MH16-0.5
60	9551504.713	572635.340	17.567	MH16-0.5
61	9551504.463	572634.696	17.484	MH16-0.5
62	9551505.007	572634.458	17.427	MH16-0.5
63	9551496.687	572641.421	17.395	MH17-1.0
64	9551497.272	572641.919	17.347	MH17-1.0
65	9551496.359	572641.974	17.337	MH17-1.0
66	9551496.884	572642.342	17.401	MH17-1.0
67	9551494.431	572644.985	17.423	MH18-SEALED
68	9551493.944	572645.553	17.408	MH18-SEALED
69	9551487.105	572654.465	17.265	MH19-SEALED
70	9551486.747	572654.974	17.221	MH19-SEALED
71	9551479.577	572664.195	17.199	MH20-SEALED
72	9551479.162	572664.702	17.259	MH20-SEALED
73	9551479.574	572665.081	17.248	MH20-SEALED
74	9551479.995	572664.554	17.363	MH20-SEALED
75	9551481.067	572677.261	17.295	MH21-SEALED
76	9551481.572	572677.203	17.312	MH21-SEALED
77	9551481.725	572677.838	17.298	MH21-SEALED
78	9551481.193	572677.921	17.261	MH21-SEALED
515	9551429.651	572949.393	16.191	MH132-COULD
516	9551429.584	572950.412	16.196	MH132-COULD
517	9551430.504	572950.503	16.219	MH132-COULD
518	9551430.557	572949.417	16.232	MH132-COULD
519	9551429.120	572937.853	16.097	MH133-BLOCKED
520	9551429.137	572937.234	16.080	MH133-BLOCKED
521	9551428.680	572937.156	16.082	MH133-BLOCKED
522	9551428.623	572937.804	16.060	MH133-BLOCKED
523	9551429.907	572909.259	16.096	MH134-BLOCKED
524	9551429.913	572909.256	16.097	MH134-0.4
525	9551430.031	572909.853	16.088	MH134-0.4

526	9551429.638	572909.949	16.073	MH134-0.4
527	9551429.478	572909.352	16.095	MH134-0.4
528	9551430.875	572908.682	16.212	MH135-1.1
529	9551430.918	572909.583	16.210	MH135-1.1
530	9551431.961	572909.615	16.225	MH135-1.1
531	9551432.000	572908.700	16.218	MH135-1.1
532	9551430.899	572899.661	16.145	MH136-1M
533	9551430.887	572900.480	16.134	MH136-1M
534	9551431.944	572900.581	16.156	MH136-1M
535	9551431.867	572899.663	16.161	MH136-1M
536	9551430.958	572885.084	16.044	MH13P-1M
537	9551430.877	572884.252	16.024	MH13P-1M
538	9551431.845	572884.151	16.027	MH13P-1M
539	9551431.925	572885.041	16.034	MH13P-1M
540	9551430.361	572879.362	15.877	MH138-BLOCKED
541	9551430.380	572879.959	15.903	MH138-BLOCKED
542	9551429.904	572879.949	15.882	MH138-BLOCKED
543	9551429.799	572879.364	15.856	MH138-BLOCKED
544	9551430.747	572862.273	15.716	MH139-BLOCKED
545	9551430.759	572861.724	15.695	MH139-BLOCKED
546	9551430.224	572861.690	15.699	MH139-BLOCKED
547	9551430.213	572862.296	15.767	MH139-BLOCKED
548	9551431.622	572860.647	15.811	MH140-1.1
549	9551430.970	572860.718	15.814	MH140-1.1
550	9551430.966	572860.169	15.812	MH140-1.1
551	9551431.586	572860.140	15.808	MH140-1.1
552	9551431.039	572847.597	15.768	MH141-1.1
553	9551431.039	572847.003	15.742	MH141-1.1
554	9551431.641	572846.985	15.743	MH141-1.1
555	9551431.649	572847.592	15.759	MH141-1.1
556	9551431.766	572834.695	15.801	MH142-1.1
557	9551431.107	572834.721	15.783	MH142-1.1
558	9551431.155	572835.365	15.799	MH142-1.1
559	9551431.788	572835.352	15.806	MH142-1.1
560	9551430.857	572825.167	15.662	MH143-1.1
561	9551431.535	572825.149	15.684	MH143-1.1
562	9551431.502	572824.477	15.677	MH143-1.1
563	9551430.854	572824.507	15.652	MH143-1.1
564	9551430.794	572815.750	15.633	MH145-1
565	9551430.729	572815.096	15.646	MH145-1
566	9551430.098	572815.141	15.631	MH145-1
567	9551430.128	572815.814	15.631	MH145-1
568	9551429.733	572816.119	15.530	MH144-0.8
569	9551429.655	572815.512	15.540	MH144-0.8
570	9551429.071	572816.254	15.547	MH144-0.8
571	9551428.840	572804.122	15.452	MH146-0.8
572	9551428.753	572803.507	15.442	MH146-0.8
573	9551428.149	572803.612	15.449	MH146-0.8
574	9551428.220	572804.204	15.458	MH146-0.8
575	9551429.904	572803.515	15.471	MH147-0.9

576	9551429.953	572804.146	15.510	MH147-0.9
577	9551429.388	572804.164	15.480	MH147-0.9
578	9551429.382	572803.528	15.485	MH147-0.9
579	9551426.980	572787.961	15.371	MH148-0.7
580	9551426.893	572787.362	15.363	MH148-0.7
581	9551426.397	572787.446	15.340	MH148-0.7
582	9551426.443	572788.014	15.345	MH148-0.7
583	9551430.296	572787.054	15.491	MH149-1
584	9551430.287	572786.460	15.486	MH149-1
585	9551429.791	572787.053	15.475	MH149-1
586	9551429.785	572786.465	15.470	MH149-1
587	9551424.565	572774.710	15.358	MH150-0.65
588	9551424.481	572774.087	15.348	MH150-0.65
589	9551425.130	572773.976	15.335	MH150-0.65
590	9551425.211	572774.634	15.352	MH150-0.65
591	9551429.349	572773.078	15.485	MH151-0.68
592	9551429.429	572773.712	15.498	MH151-0.68
593	9551429.993	572773.656	15.539	MH151-0.68
594	9551429.953	572773.010	15.502	MH151-0.68
595	9551425.327	572750.879	15.109	MH152-BLOCKED
596	9551425.796	572750.884	15.116	MH152-BLOCKED
597	9551425.809	572751.522	15.141	MH152-BLOCKED
598	9551425.175	572751.512	15.118	MH152-BLOCKED
599	9551428.204	572751.039	15.352	MH153-0.7
600	9551428.252	572751.642	15.359	MH153-0.7
601	9551428.842	572751.621	15.353	MH153-0.7
602	9551428.804	572750.953	15.342	MH153-0.7
604	9551406.219	572752.773	15.086	MH155-SEALED
605	9551405.490	572752.839	15.101	MH155-SEALED
606	9551405.576	572753.810	15.095	MH155-SEALED
607	9551406.263	572753.769	15.079	MH155-SEALED

PS-1

Powerposts

P 1	9553333.955	573106.016	22.628	Powerpost
P 2	9553335.768	573104.519	22.599	Powerpost
P 3	9553364.096	573138.679	22.030	Powerpost
P 4	9553305.523	573069.481	21.542	Powerpost
P 5	9553384.981	573064.566	22.953	Powerpost
P 6	9553393.548	573073.137	22.684	Powerpost
P 7	9553439.326	573037.913	23.048	Powerpost
P 8	9553435.808	573024.353	23.269	Powerpost
P 9	9553437.429	573022.531	23.171	Powerpost
P 10	9553420.305	573016.093	23.136	Powerpost
P51	9553224.196	573194.594	22.644	Powerpost
P 52	9553267.210	573136.666	22.034	Powerpost
P 53	9553287.711	573160.261	22.235	Powerpost
P 54	9553275.935	573152.709	22.353	Powerpost

Street Lights

SL 1	9553324.402	573134.436	21.999	Street Light
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SL 2	9553346.461	573125.689	22.098	Street Light
SL 3	9553414.558	573025.254	22.899	Street Light

Traffic Signs

TS 1	9553347.917	573120.886	22.104	Traffic Sign
TS 2	9553339.573	573118.455	22.304	Traffic Sign
TS 3	9553339.832	573086.831	22.448	Traffic Sign
TS 4	9553299.391	573119.641	22.312	Traffic Sign
TS 5	9553328.230	573082.981	22.132	Traffic Sign

Billboards

BB 1	9553276.024	573134.633	22.036	Billboard
BB 2	9553313.698	573141.564	22.183	Billboard
BB 3	9553338.192	573125.125	22.640	Billboard
BB 4	9553347.344	573124.182	22.100	Billboard

CCTV

CCTV 1	9553314.413	573142.154	21.974	CCTV
CC TV 2	9553346.535	573124.234	22.317	CCTV

Safaricom Manholes

MHSF1	9553346.047	573122.273	22.244	Safaricom Manhole
MHSF1	9553345.868	573121.441	22.239	Safaricom Manhole
MHSF1	9553346.357	573121.059	22.220	Safaricom Manhole
MHSF1	9553346.903	573121.604	22.225	Safaricom Manhole
MHSF1	9553346.389	573121.589	22.240	Safaricom Manhole
MHSF2	9553228.530	573209.830	22.390	Safaricom Manhole
MHSF2	9553227.853	573210.390	22.375	Safaricom Manhole
MHSF2	9553228.425	573211.039	22.378	Safaricom Manhole
MHSF2	9553229.112	573210.509	22.372	Safaricom Manhole
MHSF3	9553484.207	573002.560	23.256	Safaricom Manhole
MHSF3	9553484.740	573003.197	23.235	Safaricom Manhole
MHSF3	9553485.400	573002.557	23.237	Safaricom Manhole
MHSF3	9553484.883	573002.035	23.225	Safaricom Manhole
MHSF3	9553484.852	573002.508	23.226	Safaricom Manhole
MHSF4	9553556.767	572940.231	23.458	Safaricom Manhole
MHSF4	9553557.462	572939.737	23.473	Safaricom Manhole
MHSF4	9553557.983	572940.317	23.786	Safaricom Manhole
MHSF4	9553557.346	572940.299	23.372	Safaricom Manhole

Liquid Manholes

MH14L	9553396.469	573070.378	22.706	LTG MH14
	9553396.924	573070.949	22.717	LTG MH14
	9553396.481	573071.235	22.740	LTG MH14
	9553396.021	573070.778	22.701	LTG MH14
MH15L	9553287.474	573160.947	22.253	MH15
	9553285.845	573159.541	24.445	MH15
	9553286.120	573160.064	24.662	MH15
	9553286.743	573159.765	24.548	MH15

	9553286.296	573159.186	24.549	MH15
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Storm Water Manholes

1	9553221.267	573182.196	22.391	MH6-COULD
2	9553222.059	573181.550	22.359	MH6-COULD
3	9553221.582	573180.952	22.366	MH6-COULD
4	9553220.810	573181.579	22.354	MH6-COULD
5	9553241.486	573165.997	22.258	MH7-COULD
6	9553242.266	573165.404	22.244	MH7-COULD
7	9553240.995	573165.371	22.316	MH7-COULD
8	9553241.765	573164.759	22.281	MH7-COULD
9	9553260.540	573149.726	22.207	MH8-COULD
10	9553261.357	573149.069	22.192	MH8-COULD
11	9553261.830	573149.730	22.183	MH8-COULD
12	9553261.084	573150.372	22.214	MH8-COULD
13	9553368.872	573063.764	22.330	MH9-1M
14	9553368.294	573063.068	22.324	MH9-1M
15	9553367.803	573063.583	22.335	MH9-1M
16	9553368.328	573064.231	22.337	MH9-1M
17	9553416.159	573025.285	22.867	MH10-1M
18	9553415.750	573024.871	22.793	MH10-1M
19	9553415.367	573025.250	22.792	MH10-1M
20	9553415.722	573025.615	22.790	MH10-1M
21	9553440.016	573006.127	22.708	MH11-0.9M
22	9553439.781	573005.778	22.719	MH11-0.9M
23	9553440.151	573005.525	22.728	MH11-0.9M
24	9553440.419	573005.825	22.718	MH11-0.9M
25	9553359.482	573100.578	22.252	MH45-0.8
26	9553359.838	573100.342	22.240	MH45-0.8
27	9553359.573	573099.962	22.222	MH45-0.8
28	9553359.216	573100.192	22.220	MH45-0.8
29	9553358.633	573101.453	22.421	MH46
30	9553357.628	573102.247	22.415	MH46
31	9553358.321	573103.115	22.466	MH46
32	9553359.360	573102.279	22.438	MH46
33	9553322.842	573130.575	22.243	MH47
34	9553322.451	573130.887	22.234	MH47
35	9553322.856	573131.390	22.235	MH47
36	9553323.245	573131.038	22.228	MH47
37	9553304.509	573145.915	22.206	MH48
38	9553304.094	573145.442	22.210	MH48
39	9553303.703	573145.745	22.219	MH48
40	9553304.154	573146.254	22.211	MH48
41	9553282.008	573162.551	21.984	MH49
42	9553282.413	573162.291	21.976	MH49-0.76
43	9553282.111	573161.993	21.931	MH49-0.76
44	9553281.764	573162.292	21.899	MH49-0.76
45	9553234.981	573201.337	22.279	MH50-1
46	9553235.587	573202.146	22.303	MH50-1
47	9553234.915	573202.633	22.222	MH50-1

48	9553234.306	573201.806	22.142	MH50-1
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PS-2

Powerposts				
P1	9552282.606	574679.500	18.835	Powerpost
P2	9552276.658	574662.742	18.738	Powerpost
P3	9552285.565	574650.523	18.699	Powerpost
P4	9552255.211	574654.579	18.339	Powerpost
P5	9552252.746	574653.742	18.243	Powerpost
P6	9552227.297	574644.107	17.709	Powerpost
P7	9552222.578	574656.888	17.436	Powerpost
P8	9552197.549	574632.772	17.047	Powerpost
P9	9552195.622	574631.934	16.957	Powerpost
P10	9552177.050	574625.378	16.648	Powerpost
P11	9552189.983	574600.839	16.164	Powerpost
P12	9552189.538	574600.961	16.190	Powerpost
P13	9552115.938	574602.466	15.654	Powerpost
P14	9552113.366	574601.197	15.618	Powerpost

Street Lights				
SL 1	9552242.617	574633.144	17.666	Street Light

Safaricom Manholes				
MHSF1	9552449.045	574740.226	19.774	Safaricom Manhole
MHSF1	9552449.715	574740.490	19.788	Safaricom Manhole
MHSF1	9552449.637	574741.273	19.849	Safaricom Manhole
MHSF1	9552448.867	574741.055	19.962	Safaricom Manhole
MHSF1	9552449.306	574740.787	19.894	Safaricom Manhole
MHSF4	9551979.273	574578.819	17.564	Safaricom Manhole
MHSF4	9551979.416	574577.858	17.470	Safaricom Manhole
MHSF4	9551980.352	574577.922	17.441	Safaricom Manhole
MHSF4	9551980.240	574578.929	17.533	Safaricom Manhole
MHSF4	9551980.058	574578.413	17.446	Safaricom Manhole
MHSF4	9552291.136	574655.160	18.665	Safaricom Manhole
MHSF3	9552292.018	574655.469	18.650	Safaricom Manhole
MHSF3	9552291.790	574654.964	18.687	Safaricom Manhole
MHSF3	9552291.460	574654.499	18.691	Safaricom Manhole
MHSF3	9552292.232	574654.780	18.657	Safaricom Manhole
MHSF2	9552183.035	574639.708	16.375	Safaricom Manhole
MHSF2	9552182.313	574639.278	16.363	Safaricom Manhole
MHSF2	9552181.979	574640.004	16.440	Safaricom Manhole
MHSF2	9552182.524	574640.375	16.534	Safaricom Manhole
MHSF2	9552182.391	574639.962	16.469	Safaricom Manhole

Traffic Signs				
TS1	9552236.391	574647.027	17.919	Traffic Sign
TS2	9552183.199	574639.496	16.328	Traffic Sign
TS 3	9552170.224	574610.709	16.019	Traffic Sign

Billboards

BB 1	9552244.327	574638.407	17.725	Billboard
BB 2	9552240.321	574661.174	17.798	Billboard
BB 3	9552212.584	574650.759	17.142	Billboard
BB 4	9552217.050	574624.533	17.158	Billboard
BB 4	9552218.011	574622.695	17.288	Billboard
BB 5	9552156.006	574629.447	15.845	Billboard
BB 6	9552172.888	574611.383	16.057	Billboard
BB 7	9552147.283	574601.991	15.482	Billboard
BB 8	9552128.459	574619.270	15.486	Billboard

Internet Posts

IP1	9552202.429	574647.304	17.048	Internet Post
IP2	9552154.888	574629.266	15.784	Internet Post

IS Manholes

362	9552417.938	574729.353	20.052	IS MH 5
363	9552417.879	574728.712	19.997	IS MH 5
364	9552417.220	574728.723	20.031	IS MH 5
365	9552417.290	574729.386	20.104	IS MH 5
366	9552183.330	574641.239	16.512	IS MH 6
367	9552183.514	574640.582	16.510	IS MH 6
368	9552182.889	574640.359	16.512	IS MH 6
369	9552182.680	574641.019	16.520	IS MH 6

Sewer

269	9552045.457	574562.511	15.612	MH52
270	9552046.816	574562.891	15.597	MH52
271	9552045.271	574563.665	15.548	MH52
272	9552046.405	574563.987	15.521	MH52
273	9552046.199	574563.193	15.785	MH52 3.4M
274	9552181.717	574613.083	16.407	MH53 2.06M FRM EDGE
275	9552180.878	574612.792	16.398	MH53
276	9552182.060	574612.224	16.358	MH53
277	9552181.270	574611.957	16.390	MH53
278	9552181.499	574612.459	16.498	MH53C
279	9552223.487	574627.941	17.100	MH54
280	9552222.834	574627.667	17.107	MH54
281	9552223.289	574628.605	17.088	MH54
282	9552222.765	574628.386	17.054	MH54
283	9552223.098	574628.128	17.177	MH54 1.66
284	9552242.617	574637.808	17.469	MH55
285	9552241.874	574637.603	17.463	MH55
286	9552242.238	574636.795	17.470	MH55
287	9552242.861	574636.994	17.459	MH55
288	9552242.455	574637.228	17.546	MH55 0.8M
289	9552329.645	574670.189	19.012	MH56
290	9552330.223	574670.388	19.031	MH56
291	9552330.475	574669.805	19.025	MH56
292	9552329.874	574669.561	19.044	MH56
293	9552330.078	574669.964	19.054	MH56 C

294	9552337.755	574673.449	19.049	MH57
295	9552338.449	574673.714	19.028	MH57 0.44M FRM EDGE
296	9552338.631	574673.029	19.018	MH57
297	9552337.897	574673.002	19.066	MH57
298	9552338.206	574673.281	19.142	MH57C

Telkom Manholes

MH10T	9552115.853	574587.682	15.219	PS MH10
	9552117.862	574588.271	15.392	PS MH10
	9552118.447	574587.869	15.275	PS MH10
	9552116.225	574586.986	15.342	PS MH10
MH11T	9552197.451	574617.968	16.577	PS MH11
	9552197.834	574617.362	16.586	PS MH11
	9552195.144	574617.118	16.582	PS MH11
	9552195.506	574616.322	16.612	PS MH11
MH12T	9552264.666	574643.811	18.163	PS MH12
	9552267.243	574644.160	18.177	PS MH12
	9552266.919	574644.518	18.145	PS MH12
	9552265.011	574643.115	18.040	PS MH12

VMS-1

Powerposts				
P 1	9553491.680	572979.267	23.609	Powerpost
P 2	9553516.913	572956.901	23.536	Powerpost
P 3	9553518.517	572955.640	23.532	Powerpost
P 4	9553521.406	572953.568	23.487	Powerpost
P 5	9553549.922	572928.936	23.656	Powerpost
P 6	9553562.469	572936.533	23.521	Powerpost
P 7	9553652.654	572941.761	23.612	Powerpost
P 8	9553694.509	572954.620	23.030	Powerpost
P 9	9553662.009	572924.307	23.348	Powerpost
P 10	9553648.113	572887.969	23.711	Powerpost
P 11	9553656.102	572859.981	23.320	Powerpost
P 12	9553660.321	572852.853	23.596	Powerpost
P 13	9553684.707	572833.327	23.289	Powerpost
P 14	9553703.191	572815.440	23.827	Powerpost
P 15	9553689.765	572788.951	23.654	Powerpost
P 16	9553687.806	572790.648	23.596	Powerpost
P 17	9553658.648	572815.014	23.392	Powerpost
P 18	9553658.735	572818.855	23.656	Powerpost
P 19	9553593.354	572762.526	23.705	Powerpost
P 20	9553599.036	572796.771	23.624	Powerpost
P 21	9553588.574	572800.284	23.513	Powerpost
P 22	9553587.921	572827.895	23.602	Powerpost
P 23	9553573.847	572832.535	23.660	Powerpost
P 24	9553557.831	572877.580	23.664	Powerpost

Internet Posts

IP1	9553554.203	572924.778	23.683	Internet Post
IP2	9553559.246	572939.210	23.473	Internet Post
IP3	9553554.204	572902.991	23.564	Internet Post
IP4	9553592.510	572929.650	23.796	Internet Post
IP5	9553644.692	572942.719	23.670	Internet Post
IP6	9553655.200	572945.487	23.947	Internet Post
IP7	9553657.281	572918.012	23.550	Internet Post
IP8	9553656.883	572901.919	23.642	Internet Post
IP9	9553651.471	572889.433	23.820	Internet Post
IP10	9553650.731	572889.017	23.739	Internet Post
IP11	9553658.777	572857.894	23.194	Internet Post
IP12	9553659.231	572857.128	23.192	Internet Post
IP13	9553661.374	572851.927	23.596	Internet Post
IP14	9553679.935	572835.460	23.383	Internet Post
IP15	9553680.196	572835.740	23.251	Internet Post
IP16	9553716.356	572805.313	23.504	Internet Post
IP17	9553716.795	572804.858	23.545	Internet Post
IP18	9553659.831	572813.124	23.461	Internet Post

Safaricom Manholes

MHSF3	9553484.207	573002.560	23.256	Safaricom Manhole
MHSF3	9553484.740	573003.197	23.235	Safaricom Manhole
MHSF3	9553485.400	573002.557	23.237	Safaricom Manhole
MHSF3	9553484.883	573002.035	23.225	Safaricom Manhole
MHSF3	9553484.852	573002.508	23.226	Safaricom Manhole
MHSF4	9553556.767	572940.231	23.458	Safaricom Manhole
MHSF4	9553557.462	572939.737	23.473	Safaricom Manhole
MHSF4	9553557.983	572940.317	23.786	Safaricom Manhole
MHSF4	9553557.346	572940.299	23.372	Safaricom Manhole
MHSF5	9553552.466	572899.677	23.579	Safaricom Manhole
MHSF5	9553552.715	572900.379	23.584	Safaricom Manhole
MHSF5	9553551.868	572900.720	23.558	Safaricom Manhole
MHSF5	9553551.630	572899.895	23.603	Safaricom Manhole
MHSF5	9553552.185	572900.161	23.572	Safaricom Manhole
MHSF6	9553548.252	572867.787	23.574	Safaricom Manhole
MHSF6	9553547.515	572867.720	23.574	Safaricom Manhole
MHSF6	9553547.540	572868.257	23.574	Safaricom Manhole
MHSF6	9553548.211	572868.362	23.565	Safaricom Manhole
MHSF6	9553548.021	572868.073	23.557	Safaricom Manhole
MHSF7	9553649.071	572935.048	23.423	Safaricom Manhole
MHSF7	9553649.602	572935.691	23.377	Safaricom Manhole
MHSF7	9553650.511	572935.210	23.374	Safaricom Manhole
MHSF7	9553650.030	572934.625	23.292	Safaricom Manhole
MHSF7	9553649.811	572934.938	23.398	Safaricom Manhole
MHSF8	9553660.312	572916.352	23.148	Safaricom Manhole
MHSF8	9553660.709	572916.873	23.189	Safaricom Manhole
MHSF8	9553661.616	572916.613	23.115	Safaricom Manhole
MHSF8	9553661.335	572916.062	23.115	Safaricom Manhole
MHSF8	9553661.283	572916.198	23.167	Safaricom Manhole

Billboards

BB 1	9553558.538	572920.463	23.583	Bilboard
BB 1	9553559.187	572919.837	23.576	Bilboard
BB 1	9553559.818	572920.503	23.565	Bilboard
BB 1	9553559.153	572921.112	23.526	Bilboard
BB 2	9553564.699	572916.943	23.456	Bilboard
BB 2	9553564.999	572915.362	23.518	Bilboard
BB 3	9553637.860	572854.330	23.736	Bilboard
BB 3	9553638.467	572854.994	23.758	Bilboard
BB 3	9553637.751	572855.617	23.706	Bilboard
BB 3	9553637.061	572854.976	23.708	Bilboard
BB 4	9553548.525	572878.008	23.580	Bilboard
BB 4	9553548.753	572878.903	23.583	Bilboard
BB 4	9553547.866	572879.095	23.639	Bilboard
BB 4	9553547.577	572878.179	23.637	Bilboard

Clock				
CLOCK	9553563.973	572875.428	23.688	CLOCK

Traffic Signs

TS 1	9553533.209	572942.592	23.579	Traffic Sign
TS 2	9553659.408	572835.670	23.773	Traffic Sign
TS 3	9553551.999	572878.136	23.606	Traffic Sign
TS 4	9553661.535	572818.290	23.623	Traffic Sign
TS 5	9553599.069	572795.273	23.821	Traffic Sign

Water Manholes

Valve 1	9553933.573	572584.302	23.464	MH1 VALVE VMS
Valve 1	9553934.554	572583.699	23.451	MH1 VALVE VMS
Valve 1	9553935.006	572584.730	23.313	MH1 VALVE VMS
Valve 1	9553934.182	572585.208	23.332	MH1 VALVE VMS
Valve 1	9553934.476	572584.945	22.395	MH1 VALVE INV TOP PIPE
Valve2	9553614.052	572873.774	23.512	MH2 VALVE VMS1
Valve2	9553613.303	572872.834	23.607	MH2 VALVE VMS1
Valve2	9553614.187	572872.055	23.598	MH2 VALVE VMS1
Valve2	9553614.037	572873.086	21.843	MH2 VALVE VMS1 INV
Valve3	9553602.384	572885.030	23.596	MH3 VALVE VMS1
Valve3	9553604.115	572887.043	23.626	MH3 VALVE VMS1
Valve3	9553598.541	572888.259	23.509	MH3 VALVE VMS1
Valve3	9553600.266	572890.492	23.642	MH3 VALVE VMS1
Valve3	9553601.746	572885.882	22.220	MH 3VALVE VMS1 TOP OF PIPE
Valve 4	9553616.859	572890.569	23.430	MH4 VALVE VMS1
Valve 4	9553617.818	572891.572	23.423	MH4 VALVE VMS1
Valve 4	9553617.759	572890.848	22.112	MH4 VALVE VMS1 TOP OF PIPE
Valve 4	9553617.490	572889.773	23.644	MH4 VALVE VMS1 TOP OF PIPE
Valve 4	9553618.475	572890.835	23.627	MH4 VALVE VMS1 TOP OF PIPE
Valve 5	9553761.477	573062.439	22.765	MH 5 VALVE VMS1
Valve 5	9553761.379	573062.447	23.185	MH 5 VALVE VMS1
Valve 5	9553760.064	573062.271	23.173	MH 5 VALVE VMS1
Valve 5	9553760.239	573060.942	23.228	MH 5 VALVE VMS1

Valve 5	9553761.427	573061.213	23.153	MH 5 VALVE VMS1
Valve 5	9553761.023	573061.888	23.194	MH 5 VALVE VMS1 2.45M
MHW1	9553924.159	572597.125	23.532	Water Manhole
MHW1	9553922.946	572597.986	23.570	Water Manhole
MHW1	9553924.244	572600.150	23.519	Water Manhole
MHW1	9553925.531	572599.335	23.558	Water Manhole

JTL Manholes

JTL MH46	9553655.0660n	572943.5440n	22.859m	JTL Manhole
JTL MH46	9553654.9350n	572943.6150n	23.532m	JTL Manhole
JTL MH46	9553655.3610n	572943.1510n	23.568m	JTL Manhole
JTL MH46	9553655.4665n	572944.1351n	23.602m	JTL Manhole
JTL MH46	9553655.9560n	572943.6120n	23.595m	JTL Manhole
JTL MH 47	9553649.4550n	572940.0260n	23.496m	JTL Manhole
JTL MH 47	9553648.9580n	572939.3980n	23.472m	JTL Manhole
JTL MH 47	9553648.3100n	572939.8960n	23.490m	JTL Manhole
JTL MH 47	9553648.8460n	572940.5480n	23.481m	JTL Manhole

MHL10	9553526.668	572931.378	23.333	MH10
	9553525.927	572932.024	23.352	MH10
	9553525.169	572931.276	23.374	MH10
	9553525.911	572930.603	23.288	MH10
MH11L	9553482.574	572969.878	23.229	MH11
	9553482.091	572970.334	23.349	MH11
	9553481.416	572969.695	23.379	MH11
	9553481.926	572969.169	23.388	MH11
MH12L	9553504.754	572983.484	23.376	MH12
	9553505.180	572984.012	23.395	MH12
	9553505.891	572983.605	23.372	MH12
	9553505.370	572983.024	23.390	MH12

Storm Water Manholes

1	9553482.397	572971.034	23.296	MH12
2	9553483.030	572970.546	23.288	MH12
3	9553482.735	572970.151	23.289	MH12
4	9553482.078	572970.644	23.285	MH12
5	9553528.525	572931.832	23.242	MH13
6	9553529.126	572931.355	23.244	MH13
7	9553528.671	572930.775	23.256	MH13
8	9553528.062	572931.228	23.272	MH13
9	9553552.281	572911.573	23.045	MH14
10	9553553.114	572910.836	23.109	MH14
11	9553551.823	572909.328	23.137	MH14
12	9553550.990	572910.062	23.148	MH14
13	9553554.412	572894.018	23.352	MH15
14	9553554.418	572892.732	23.343	MH15
15	9553553.062	572892.733	23.347	MH15
16	9553553.062	572894.089	23.362	MH15
17	9553546.321	572890.684	23.518	MH16-0.5
18	9553546.247	572890.162	23.512	MH16-0.5

19	9553545.620	572890.246	23.517	MH16-0.5
20	9553545.661	572890.719	23.546	MH16-0.5
21	9553544.760	572891.193	23.608	MH17-1.4M
22	9553544.398	572890.502	23.571	MH17-1.4M
23	9553543.639	572890.948	23.567	MH17-1.4M
24	9553544.133	572891.618	23.563	MH17-1.4M
25	9553553.757	572879.955	23.426	MH18
26	9553555.045	572880.077	23.360	MH18
27	9553555.104	572878.739	23.413	MH18
28	9553553.815	572878.697	23.456	MH18
29	9553560.245	572875.039	23.466	MH19
30	9553561.535	572874.878	23.461	MH19
31	9553561.305	572873.584	23.434	MH19
32	9553560.013	572873.819	23.438	MH19
33	9553563.382	572862.685	23.485	MH20
34	9553564.314	572861.803	23.487	MH20
35	9553563.210	572860.979	23.453	MH20
36	9553562.446	572861.976	23.422	MH20
37	9553565.013	572851.397	23.532	MH21
38	9553565.898	572850.425	23.553	MH21
39	9553564.950	572849.496	23.525	MH21
40	9553564.083	572850.506	23.564	MH21
41	9553571.698	572840.819	23.433	MH22
42	9553572.578	572841.359	23.425	MH22
43	9553573.009	572840.661	23.463	MH22
44	9553572.150	572840.138	23.482	MH22
45	9553575.506	572840.601	23.410	MH23
46	9553576.362	572839.649	23.432	MH23
47	9553575.398	572838.750	23.427	MH23
48	9553574.553	572839.740	23.417	MH23
49	9553587.493	572840.818	23.415	MH25-0.8M
50	9553588.261	572840.118	23.392	MH25-0.8M
51	9553587.850	572839.711	23.350	MH25-0.8M
52	9553587.087	572840.335	23.385	MH25-0.8M
53	9553592.433	572825.116	23.435	MH26
54	9553592.612	572826.215	23.420	MH26
55	9553593.714	572826.030	23.396	MH26
56	9553593.574	572824.910	23.413	MH26
57	9553602.413	572823.858	23.606	MH27
58	9553603.490	572823.659	23.647	MH27
59	9553603.725	572824.928	23.640	MH27
60	9553602.657	572825.158	23.615	MH27
61	9553607.357	572828.363	23.661	MH28
62	9553608.648	572828.262	23.637	MH28
63	9553608.762	572829.544	23.641	MH28
64	9553607.477	572829.666	23.640	MH28
65	9553610.882	572836.657	23.588	MH29
66	9553611.345	572835.987	23.583	MH29
67	9553612.111	572836.582	23.578	MH29
68	9553631.888	572837.872	23.565	MH30

69	9553632.765	572837.345	23.559	MH30
70	9553633.332	572838.315	23.726	MH30
71	9553632.426	572838.823	23.727	MH30
72	9553653.061	572859.325	23.469	MH31
73	9553654.083	572859.980	23.416	MH31
74	9553653.396	572860.979	23.445	MH31
75	9553652.413	572860.338	23.494	MH31
76	9553655.088	572863.137	23.783	MH3
77	9553655.912	572864.068	23.788	MH33
78	9553654.975	572864.884	23.737	MH33
79	9553654.192	572863.909	23.774	MH33
80	9553647.126	572875.092	23.507	MH34
81	9553647.377	572874.040	23.499	MH34
82	9553646.278	572873.707	23.522	MH34
83	9553645.973	572874.857	23.512	MH34
84	9553646.929	572882.289	23.399	MH35
85	9553646.842	572883.543	23.519	MH35
86	9553648.161	572883.673	23.440	MH35
87	9553648.247	572882.366	23.474	MH35
88	9553645.804	572888.349	23.491	MH36
89	9553644.610	572888.487	23.482	MH36
90	9553644.752	572889.690	23.494	MH36
91	9553645.947	572889.507	23.471	MH36
92	9553647.845	572903.663	23.475	MH7-COULD
93	9553648.831	572903.323	23.448	MH7-COULD
94	9553649.152	572904.411	23.521	MH7-COULD
95	9553648.157	572904.679	23.475	MH7-COULD
96	9553633.873	572925.148	23.274	MH38-1M
97	9553634.014	572924.691	23.275	MH38-1M
98	9553633.115	572924.924	23.292	MH38-1M
99	9553633.275	572924.407	23.272	MH38-1M
100	9553602.338	572905.192	23.069	MH39-1M
101	9553602.425	572904.585	23.006	MH39-1M
102	9553601.388	572904.447	23.006	MH39-1M
103	9553601.258	572905.106	23.068	MH39-1M
104	9553583.580	572891.793	23.144	MH40-1M
105	9553583.146	572890.954	23.149	MH40-1M
106	9553582.297	572891.411	23.150	MH40-1M
107	9553582.767	572892.279	23.157	MH40-1M
108	9553605.219	572924.182	23.418	MH41
109	9553605.225	572925.289	23.409	MH41
110	9553603.880	572925.268	23.426	MH41
111	9553603.887	572924.192	23.443	MH41
112	9553580.955	572928.580	23.380	MH42
113	9553579.801	572929.167	23.449	MH42
114	9553580.536	572930.344	23.466	MH42
115	9553581.647	572929.655	23.322	MH42
116	9553563.403	572917.625	23.479	MH43
117	9553564.390	572916.747	23.447	MH43
118	9553563.519	572915.763	23.525	MH43

119	9553562.508	572916.665	23.541	MH43
120	9553545.851	572948.460	23.296	MH44
121	9553545.103	572949.111	23.295	MH44
122	9553544.580	572948.517	23.295	MH44
123	9553545.379	572947.825	23.294	MH44

MTN Manholes

1	9553488.876	572997.934	23.259	MTN MH 2
2	9553489.401	572998.689	23.281	MTN MH 2
3	9553490.127	572998.143	23.297	MTN MH 2
4	9553489.614	572997.388	23.291	MTN MH 2

Annexure:

Annex 2:Utility Report, Utilities Inventory Data And Radar Scan Data

Sub 1:- Utilities Inventory Data

Sub 2:-Radar Scan Field Data

資料 7

試掘調査報告書

**PREPARATORY SURVEY
FOR
THE PROJECT FOR IMPLEMENTATION OF
INTELLIGENT TRANSPORT SYSTEM
IN
MOMBASA REGION**

Trial Excavations and CBR Survey Report

October 2025

JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI ENERGY SOLUTIONS CO., LTD.

Katahira & Engineers International

Ingerosec Corporation

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1.0 INTRODUCTION

1.1 Antecedents

The field work for this survey mainly entailed trial excavations at predetermined locations on the road median strips and roundabouts to a maximum depth of 1 m below ground level (BGL). Each excavation was followed by inspection of the exposed road section and, where possible, collection of both undisturbed CBR (California Bearing Ratio) and disturbed samples of the roadbed soil at the base of the pit.

This report documents the field procedures and presents the findings of the pavement investigation.

1.2 Scope

The scope of the investigation was as follows:

- a) Excavation of 45 No. trial pits (TP) at predetermined locations on the road medians and roundabouts, each to a maximum depth of 1 m BGL,
- b) Undisturbed sampling of the roadbed soil at the base of each pit using CBR moulds,
- c) Disturbed soil sampling of the roadbed soil for offsite moisture content and grading tests.
- d) Documentation of field and laboratory findings in a detailed report.

2.0 SITE LOCATION

The 45 No. survey points are distributed along the major roads in Mombasa island and Nyali as shown in the appended satellite map. The table below presents the coordinates of the investigated points (UTM WGS84, Zone 37 S).

Location	Survey Point	Easting	Northing
A7-1	TP1	573025.69	9552440.33
	TP2	573065.42	9552503.14
	TP3	573020.88	9552511.73
A7-2	TP1	573699.14	9553039.81
	TP2	573727.39	9553061.36

	TP3	573755.63	9553078.59
A7-4	TP1	574137.84	9553044.56
	TP2	574176.43	9553024.38
	TP3	574201.75	9553045.16
A7R-3	TP1	574523.87	9550893.11
	TP2	574528.66	9550915.61
	TP3	574535.67	9550939.22
	TP4	574491.77	9550928.43
A7R-4	TP1	574594.96	9551121.84
	TP2	574616.15	9551189.16
	TP3	574624.14	9551212.91
A7R-5	TP1	574668.98	9551351.32
	TP2	574672.48	9551379.58
	TP3	574640.91	9551386.85
A8-1	TP1	574301.56	9551579.33
	TP2	574251.42	9551596.58
	TP3	574228.29	9551623.05
	TP4	574206.17	9551586.21
A8-2	TP1	574091.76	9551824.71
	TP2	574084.64	9551860.46
	TP3	574071.60	9551887.45
A8-3	TP1	573703.55	9552401.80
	TP2	573684.24	9552429.18
	TP3	573668.73	9552451.43
A8-4	TP1	573434.85	9552747.16
	TP2	573454.02	9552832.20
	TP3	573368.64	9552827.11
H-1	TP1	574256.35	9551275.50
	TP2	574227.71	9551283.13
	TP3	574194.03	9551292.07
H-6	TP1	573918.47	9551580.51

	TP2	573876.92	9551580.04
	TP3	573831.32	9551578.57
L-5	TP1	577895.00	9553033.00
M1	TP1	574170.27	9551014.73
	TP2	574135.33	9551021.99
	TP3	574109.48	9551028.16
M2	TP1	573537.80	9551092.92
	TP2	573505.70	9551102.71
	TP3	573468.68	9551106.49

Table 1 - Coordinates of the survey points

3.0 FIELDWORK

3.1 General

All field activities were supervised by a geologist who was stationed at the site in the entire duration of the fieldwork.

3.2 Trial Pitting

Each excavation was preceded by a careful check for any buried utilities. The trial pits were then manually excavated using hand tools targeting a maximum depth of 1 m BGL. Immediately after excavation, undisturbed and disturbed soil samples were collected from the roadbed soil at the base of the pits as the sidewalls were concurrently inspected for pavement composition. The sampling procedure is briefly described in the succeeding subsection.

After pavement inspection and sampling was complete the spoil was restored in to the pit ensuring that the layers were reinstated to maintain the original stratification.

3.3 Sampling Procedures

3.3.1 Undisturbed CBR Sampling

A standard CBR mould fitted with a cutting and extension collars was used to acquire the undisturbed samples. In preparation for undisturbed sampling, the roadbed soil surface was

first smoothed. With the sharp cutting collar fixed at the bottom and extension at the top, the mould was hammered into the roadbed soil until the soil was well in to the extension collar. The mould and sampled soil were removed by carefully under digging around the mould. Immediately after retrieval from the ground, each undisturbed sample was covered to mitigate loss of soil moisture. The moulds were then labelled to indicate the location of sampling.

It should be noted that CBR samples could not be retrieved in a total of 14 No. locations due to:

- Cohesionless soil that crumbles upon retrieval of mould, and
- Very dense granular soil to rock which cannot be penetrated by the mould.

Laboratory CBR tests on disturbed soil have been performed to compensate for the irretrievable 14 No. undisturbed samples.

3.3.2 Disturbed Sampling

The disturbed roadbed soil samples were collected into standard, moisture proof sample bags that were sealed and labelled accordingly.

4.0 ANALYSIS AND DISCUSSION OF TEST RESULTS

4.1 Particle Size Distribution (BS 1377-2: 90)

Particle size distribution analysis evaluates the relative portions of different sizes of soil particles. From this, it is possible to determine whether the soil consists of predominantly gravel, sand, silt or clay sizes and, to a limited extent, which of these size ranges is likely to control the engineering properties of the soil.

Disturbed soil samples collected from the pits were analyzed for particle size distribution using the wet sieving method as stipulated in BS 1377-2: 90.

The grading test results indicate that the roadbed soils are predominantly coarse grained (sand size). A summary of the sieve data is provided in Table 2.

4.2 Moisture Content (BS 1377-2: 90)

The representative soil samples were examined for natural moisture content by oven-drying at 110 °C and expressing the mass lost after drying as a percentage of the resulting dry soil mass. The test results are summarized in Table 2.

4.3 California Bearing Ratio (BS 1377-4: 90)

Subgrade strength is expressed in terms of its California Bearing Ratio (CBR) value. The CBR value is measured by an empirical test devised by the California State Highway Association and is simply the resistance to a penetration of 2.5 mm of a standard cylindrical plunger of 49.65 mm diameter, expressed as a percentage of the known resistance of the plunger to various penetrations in crushed aggregate, notably 13.2 kN at 2.5 mm penetration and 20.0 kN at 5.0 mm penetration. The CBR test was performed on undisturbed soil samples that had been soaked for 4 days. A summary of the results is provided in the succeeding subsection.

4.4 Summary of Laboratory Test Results

The table below provides a summary of the laboratory results highlighting the key soil parameters. The comprehensive laboratory sheets are provided in Appendix II.

Location	TP No.	Depth (m)	Sieve Analysis			Moisture Content	CBR		
			% Fines	% Sand	% Gravel		Sample Type	Initial Bulk Density (kg/m ³)	CBR Value (%)
A7-1	TP1	1.0	20.6	78.7	0.7	4.2	Undisturbed	1832	6.8
	TP2	1.0	22.6	60.2	17.2	11.2	Undisturbed	1770	10.9
	TP3	1.0	30.7	68.7	0.6	9.1	Disturbed	-	7.2
A7-2	TP1	1.0	30.8	68.2	1.0	5	Undisturbed	1911	3.6
	TP2	1.0	35.6	64.3	0.1	8.4	Undisturbed	1868	7.7
	TP3	1.0	22.0	77.8	0.2	4.2	Undisturbed	1883	7.1
A7-4	TP1	1.0	15.9	29.7	54.4	5.5	Disturbed	-	6.3
	TP2	1.0	14.4	22.2	63.4	4.5	Disturbed	-	8.3
	TP3	1.0	28.3	46.3	25.4	0.5	Undisturbed	1835	9

A7R-3	TP1	1.0	26.1	45.8	28.1	3.6	Disturbed	-	6.3
	TP2	1.0	12.5	25.5	62.0	5.3	Undisturbed	1851	4.7
	TP3	1.0	48.2	47.0	4.8	2.7	Undisturbed	1928	7.2
	TP4	1.0	36.7	63.3	0.0	10.6	Undisturbed	1860	7.2
A7R-4	TP1	1.0	38.1	50.6	11.3	8.2	Undisturbed	1741	4.4
	TP2	1.0	68.4	30.3	1.3	6	Undisturbed	1870	5.4
	TP3	1.0	37.3	62.5	0.2	6.4	Undisturbed	1844	2.7
A7R-5	TP1	1.0	35.1	51.7	13.2	7.8	Undisturbed	1880	3.8
	TP2	1.0	35.8	60.6	3.6	7.9	Undisturbed	1920	7.9
	TP3	1.0	31.6	56.2	12.2	5.5	Undisturbed	1875	5.5
A8-1	TP1	1.0	34.9	60.5	4.6	9	Undisturbed	1822	5
	TP2	1.0	47.7	51.9	0.4	8.1	Undisturbed	1798	8.6
	TP3	1.0	31.8	62.6	5.6	8.9	Undisturbed	1800	5.3
	TP4	1.0	27.0	72.6	0.4	5.4	Undisturbed	2010	3.6
A8-2	TP1	0.8	24.2	46.6	29.2	7	Disturbed	-	6.3
	TP2	1.0	30.1	65.9	4.0	5.8	Undisturbed	1880	4.5
	TP3	1.0	21.8	67.7	10.5	8.1	Undisturbed	1882	7.2
A8-3	TP1	1.0	33.6	59.5	6.9	2.7	Undisturbed	2006	9.5
	TP2	1.0	49.5	35.4	15.1	4.2	Undisturbed	1791	5
	TP3	1.0	21.6	55.4	23.0	1.6	Undisturbed	1740	3.6
A8-4	TP1	1.0	28.5	68.9	2.6	5.4	Undisturbed	1950	6.8
	TP2	1.0	32.8	40.4	26.8	9	Undisturbed	1901	5.9
	TP3	1.0	40.3	59.5	0.2	2.7	Undisturbed	1861	7.2
H-1	TP1	1.0	43.7	52.2	4.1	9.5	Undisturbed	1820	7.1
	TP2	1.0	33.7	53.9	12.4	5.5	Disturbed	-	5.4
	TP3	1.0	27.1	70.4	2.5	2.7	Disturbed	-	6.3
H-6	TP1	1.0	31.8	65.8	2.4	2.6	Disturbed	-	5.9
	TP2	0.5	20.2	44.1	35.7	5.2	Disturbed	-	5.4
	TP3	1.0	22.5	76.9	0.6	3	Disturbed	-	6.3
L-5	TP1	1.0	13.8	40.8	45.4	4.8	Disturbed	-	13
M-1	TP1	1.0	35.5	64.0	0.5	5.7	Undisturbed	2032	9

	TP2	1.0	31.6	50.1	18.3	5.1	Undisturbed	1859	8.3
	TP3	1.0	38.2	61.7	0.1	6.4	Undisturbed	1880	10
M-2	TP1	0.4	32.1	41.9	26.0	2	Disturbed	-	6.3
	TP2	1.0	46.4	47.6	6.0	1.5	Disturbed	-	5.4
	TP3	1.0	40.0	59.9	0.1	2.2	Disturbed	-	5.9

Table 2 - Summary of laboratory test results

5.0 LIMITATIONS OF THE REPORT

5.1 General

This geotechnical pavement examination has been carried out using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by Rock Link and other engineering practitioners, working under similar conditions and subject to the time, financial and physical constraints applicable to this project.

5.2 Use of Report

This document is not intended to reduce the level of responsibility, but rather to ensure that all parties who may rely on this report are aware of the responsibilities each assumes in to doing.

APPENDIX I

Roadbed Investigation Survey Sheets

No.	Thickness of each layer		Site Photos	Remarks
A7-1: TP1	Surface - 1	40 cm		Road median of asphalt pavement
	Surface - 2	30 cm		
	Surface - 3	30 cm		

No.	Thickness of each layer		Site Photos	Remarks
A7-1: TP2	Surface - 1	10 cm		Road median of asphalt pavement
	Surface – 2	30 cm		
	Surface – 3	60 cm		

No.	Thickness of each layer		Site Photos	Remarks
A7-1: TP3	Surface - 1	25 cm		Road median of asphalt pavement
	Surface – 2	40 cm		
	Surface – 3	30 cm		