



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA



**PROPOSED SECOND NEW KELANI BRIDGE PROJECT
A PROJECT FOR TRAFFIC IMPROVEMENT AROUND EXISTING
NEW KELANI BRIDGE**



RESETTLEMENT ACTION PLAN

(Final Report - Appendix)

October 2013

**Road Development Authority
Ministry of Ports and Highways**

Appendix

Appendix

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Serial No.

Preparatory Survey on Traffic Improvement Project Around New Kelani Bridge

HOUSEHOLD INTERVIEW SURVEY

INSTRUCTION FOR ANSWERING QUESTIONNAIRE FORMS

- This questionnaire has three (3) sections;
Form 1: Census/Socio-Eco Survey
Form 2: AP Knowledge of the Project and Preferences for Compensation Survey
Form 3: Inventory of Loss Survey
- Please answer all the questions one by one sequentially.
- Print the information in the space provided or put a check mark or relevant code in the appropriate box.
- Or circle the relevant No. e.g. Sex: 1 Male (2) Female
- Except at places where the interviewer can estimate, all other information should be filled using information obtained from the Household Head (HH) or a representative of (HH).

Q1(a) Name of person in charge of this survey sheet:

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Q1(b) Enumerator No.

--

Q1(a)

Q1(b)

Q2 Date of survey:

Date	Month	Year

Q2

DETAILS OF THE HOUSEHOLD HEAD

Q3 Name of the Household Head (HH):

Q3(a)	Mr. / Mrs. / Ms/.....	
Q3(b)	Identity card No	
Q3 (c)	Phone Number	

Q3(a)

Q3(b)

Q3(c)

Q4 Address of household:

Q4 (a)	Number & street	
Q4 (b)	Town / Village	
Q4 (c)	Post office	
Q4(d)	Post Code	

Q4a

Q4b

Q4c

Q4d

Q5 Information on administrative division:

Q5 (a)	Grama Niladari Division (GND)	
Q5 (b)	GND No.	
Q5 (c)	Divisional Secretary	
Q5 (d)	District	

Q5a

Q5b

Q5c

Q5d

30/04/2013

FORM1: Census & Socio-Economic Survey

A. General Information

Q6 Basic information of household head or representative (respondent)

40 Basic information on household head or representative (respondent)
(Note: Respondent should be Head of the household, spouse, adult child or an adult close relative living in the house)

Q6 (a). Name of respondent:

Q11:--

Q11 Household composition and Information

(Note: Indicate information of all family members No1 will to be the respondent)

[illegible]

Q12 How long has your family been staying in the present address?

		Years
--	--	-------

Q12:---

B. Other information on the affected households

Q13 (a) Income of household

(Note: Please include all income producing persons in the family)

Q13(a)

No. (same as Q11)	Relation to HH Head code Q11 (b)	Primary Occupation code Q 11 (e)	Other Sources of income code Q13	Monthly Income (SLR)		
				Primary	Other	Total
Total income (SLR)						

Q13 (b) Please indicate whether above figures are estimated by enumerator:

Q13(b)

1. Yes

2. No

Q14 Details of movable assets of household

Q14

Item	No. of units
1. Television	
2. Radio / CD player	
3. Sewing machine	
4. Fan	
5. Refrigerator	
6. Gas cooker	
7. Kerosene cooker	
8. Air conditioner	
9. Motor cycle	
10. Bicycle	
11. Three wheeler	
12. Car / cab	
13. Bus /van	
14. Water pump	
15. Washing machine	
16. Other (Please specify.....)	

Q 15

Q15 Information on monthly family expenditure

(Note: Please divide the yearly expenditure by 12 and record, in case where the monthly value for an item is not obtainable)

Item of Expenditure	Amount in SLR
1. Food	
2. Electricity	
3. Pipe born & water	
4. Firewood	
5. Kerosene	
6. Gas	
7. Local Authority Tax & Rates	
8. Education of children & others	
9. Health and medical needs	
10. Communication (telephone bills / reloads)	
11. Clothing & shoes	
12. Personal Care (Soap, Hair Cuts, etc)	
13. Transport expenses	
14. Fuel and maintenance cost of vehicles	
15. Maintenance cost of machinery	
16. Religious functions and Social obligations	
17. Entertainment/tours	
18. Charges for society membership scheme and insurance policies	
19. House rent , Accommodation expenses	
20. Debt payment/Interest*, Finance, Leasing, Settu, etc.	
21. Smoking/alcohol/chewing betel,etc.	
22. Other (Please specify))	
23. Total (SLR)	

*Monthly loan installment including the interest charged for purchasing assets

Q16 (a) Does any sub family live in this dwelling?

Q16(a)

1. Yes ☐

2.No ☐

(Note: A family living within the same dwelling but who cooks separately should be considered as a sub family. However, information on all persons in one dwelling should be filled in the same questionnaire)

Q16 (b) If yes, then how many sub families?

Q16(b)

Q 16 (C) List the index no. of sub family members as given in Q11

Sub family 1

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Q16(c)

Sub family 2

--	--	--	--	--

C. Supplemental information on households losing business, livelihood or income

Please provide the following details for affected commercial/trading/service livelihood activities only

Q17(a)	Year Commenced		Q 17(a)	
Q17(b)	Status of Registration (encircle)	1. Registered 2. Not registered	Q 17(b)	
Q17(c)	Place of Registration	1. Company Registrar 2. DS Office 3. Local Authority	Q 17(c)	
Q17(d)	Type of the business	1. Trading 2. Service 3. Production 4. Industrial	Q 17(d)	

Q17 (e) Have you employed or hired workers to help you in the affected livelihood/ business?

1. Yes ☐ 2.No ☐

Q 17 e

Q17 (f) If yes, please provide information on the workers/staff

No	Name of employee	Position Code Q17 (f)	Age	Sex Code Q11 (a)	Any Disability Code Q11 (h)	Education Code Q11 (d)	Monthly Payment/ Allowances (SLR)		Extent of Income Loss to Each Worker (Rs.)
							Primary	Other	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

D Impact of flood on dwelling, livelihood activities

Q18 (a) Do you experience floods?

1. Yes ☐ 2.No ☐

Q 18 a

Q18 (b) If yes, is your livelihood affected by floods?

1. Yes ☐ 2.No ☐

Q 18 b

Q18 (c) No. of times property was affected by floods per year (average for the past ten years)

1. Once 2. Twice 3. More than twice

Q 18 c

Q18 (d) Type of impact

Q 18 d

01. Dwelling not abandoned (until recession of flood)
 02. Had to abandon the dwelling totally (until recession of flood)
 03. Had to abandon the livelihood totally (during flood time)
 04. Destruction to production
 05. Products un saleable
 06. Others (Please specify)

E. Information on status and land use of the land holding

Q 19(a)

Q19 (a) Please provide information on the ownership of land

1. Self-owned (title holder)	2. Government owned land for rental	3. Private owned land for rental or borrow	4. Share ownership
5. Squatter on government land	6. Squatter on private land	7. Uncertain ownership	8. Others (Please specify)

Q 19(a)

Q19 (b) Please provide information on the ownership of Housing

1. Self-owned (title holder)	2. Government owned house for rental	3. Private owned house for rental or borrow	4. Share ownership
5. Squatter house on government land	6. Squatter house on private land	7. Uncertain ownership	8. Others (Please specify)

Q 20(a)

Q20 (a) Present land use of affected property (Multiple answers allowed)

1. Residence	2. Commercial	3. Residential cum commercial	4. Store
5. Shop/store	6. Institution	7. Agricultural (productive)	8. Agricultural (idle)
9. Driveway/private road	10. Parapet wall/fence/gate	11. Abandoned/not in use	12. Others (Please specify)

Q20 (b) Status of present land holding

Q 20(b)

1. High land not flooded	2. Low land but not flooded
3. Low land occasionally flooded	4. Low land frequently flooded

Details of the structures located in the land

Q No.	Type	Structure	Area (sq.ft)
Q 20(c)	Residence	1. Single Storied	
		2. Two Storied	
		3. More than two storied	
Q20(d)	Commercial	1. Single Storied	
		2. Two Storied	
		3. More than two storied	
Q20(e)	Institute	1. Single stored	
		2. Two storied	
		3. More than two storied	
Q20(f)	Residential cum commercial	1. Single stored	
		2. Two storied	
		3. More than two storied	
Q20(g)	Store	1. Single stored	
		2. Two storied	
		3. More than two storied	
Q20(h)	Grocery / shop	1. Single stored	
		2. Two storied	
		3. More than two storied	
Q20(i)	Other (Please specify.....)	1. Single stored	
		2. Two storied	
		3. More than two storied	

Q 20(c)

Q 20(d)

Q 20(e)

Q 20(f)

Q 20(g)

Q 20(h)

Q 20(i)

Q21 (a) Have you obtained any financial assistance to construct above structures?

Q 21(a)

1. Yes ☐

2.No ☐

Q 21(b)

Q21 (b) If yes, the source of financial assistance?

1. Bank	4. Societies
2. Private money lender	5. Government agencies
3. Relatives/friends	6. Others (Please specify)

F. Information on lessee/renter or tenant

Q22 As a tenant how long have you resided in this structure? No. of years

Q22 ☐

Q23 How much do you pay as rental fee per month? SLR

Q23 ☐

Q24 How long do you intend to rent the structure?

Q24 ☐

1. Shift immediately 2. Reside less than one year 3. Reside more than one year

Q25 Do you have an alternative place to rent ?

Q25 ☐

1. Yes ☐ 2.No ☐

Q26 If no, do you need assistance in finding another place to rent?

Q26 ☐

1. Yes ☐ 2.No ☐

G. Details on energy sources, water, other services and sanitary facilities

Q27 Is your house connected/ have access to following urban services?

Q27(a) Electricity 1.Yes 2.No
Q27(b) Piped water supply 1.Yes 2.No
Q27(c) Severed 1.Yes 2.No
Q27(d) Septic tanks 1.Yes 2.No
Q27(e) Telephone (fixed) 1.Yes 2.No
Q27(f) Solid waste collection 1.Yes 2.No

Q27(a) ☐
Q27(b) ☐
Q27(c) ☐
Q27(d) ☐
Q27(e) ☐
Q27(f) ☐

Q28 If electricity is not available, what is the source of energy for lighting?

Q28 ☐

1. Kerosene oil lamps 2. Candles 3. Solar power
4. Other (Please specify)

Q29 What is the energy source/s used for cooking?

Q29 ☐

1. Electricity 2. Gas 3. Kerosene
4. Fire wood 5. Other (Please specify)

Q30 If pipe borne water not connected to the house, what is the source of drinking water

Q30 ☐

1. Public stand post 2. Well water
3. Buy water bottles 4. Other (Please specify)

H. If well water is used please provide answers to following:

Q31(a) ☐

Q31 (a) Is the water clear enough to drink?

1. Water is safe to drink without boiling or treatment 3. Bad odor but consumable after boiling
2. Water is not clear but can be consumed after boiling 4. Other (Please specify)

Q31 (b) Does the well get inundated during floods?

Q31(b) ☐

1. Yes ☐ 2.No ☐

Q31(c) ☐

Q31 (c) If yes, how many times does it get inundated during an year?

1. Once 2. Twice 3. More than twice

Q31(d) ☐

Q31 (d) If yes, how is the well cleaned after such inundation?

1. Immediately after the receding of floods 2. Used without any cleaning
3. Wait until the government come and clean 4. Others (Please specify)

Q32(a) ☐

Q32 (a) Do you have toilet facilities in your premises?

1. Yes ☐2.No ☐Q32(b) ☐

Q32(b) If sanitary facilities are not available, how do you fulfill that basic requirement?

1. Use common toilet (close by)	2. Use common toilet (far-away)
3. No toilet at all and use open land/ open drain/ Kelani river etc.	4. Others (Please specify)

I. Involvement of Women in decision making

Q33 In case the HH is not a female, what opportunity is given to other female members (as given in Q11) to participate in decision making at household or community level?

Q33 (a) ☐

Serial No. of female members as Q 11	Q33(a) Have opportunities for decision making in the household		Q33(b) Have opportunities for decision making in the community		Q33(c) Reasons for less/no opportunities for decision making (Use code Q33)
	1. Yes	2. No	1. Yes	2. No	
	1. Yes	2. No	1. Yes	2. No	
	1. Yes	2. No	1. Yes	2. No	
	1. Yes	2. No	1. Yes	2. No	
	1. Yes	2. No	1. Yes	2. No	

Q33 (b) ☐Q33(c) ☐**J. Social relationship and memberships in local organizations**

Q34 If you or your family members have membership in local/community organizations please give the following information

Q34 (a) ☐Q34 (b) ☐

Serial No. family member (Refer Q11)	Name of organization	Q34(a) Type (Refer code Q34)	Q34(b) Type of membership	
			1. Office bearer	2. Member
			1. Office bearer	2. Member
			1. Office bearer	2. Member
			1. Office bearer	2. Member
			1. Office bearer	2. Member

K. Perceived social and economic impacts of the project

Q35 What are the problems that you/your family might have to face as a result of the implementation of the project? (Note: Include 3 most important impacts)

Q35 (a) ☐Q35 (b) ☐

Q35(a) Social Impact/s	Code as Q35 a	Q35(b) Economic Impact/s	Code as Q35 b

Q36 What are the benefits that you/your family expect to as a result of the implementation of the project?

Q36 (a) ☐Q36 (b) ☐

Q36(a) Social Advantage/s	Code as Q36 a	Q36(b) Economic Advantage/s	Code as Q36 b

FORM 2: AP's Knowledge of the Project and Preferences for Compensation

Q37 (a) Have you heard about any project to construct a new Kelani Bridge and improve the traffic around New Kelani bridge in a previous occasion?

Q37(a) ☐

1. Yes ☐ 2.No ☐

Q37 (b) If Yes, how did you know about the project? (Note: Multiple answers allowed)

Q37(b) ☐

1. From paper advertisement	2. From Television/ Radio/News papers
3. From officers of RDA	4. From GN or other government officials
5. From local politicians	6. From neighbors
7. From CBO's / NGO's	8. Others (Please specify)

Q38 (a) If you have to vacate this land (due to the project) do you agree to resettle elsewhere?

Q38(a) ☐

1. Yes 2. No
3. No idea at present

Q38 (b) If yes, please indicate the method of compensation you would prefer:

Q38(b) ☐

1. Land for Land 2. Cash Compensation 5. Other
3. Cannot decide yet 4. House for House

Q38 (c) In case you agree for Land or house option would you like to resettle in a resettlement village or flat?

Q38(c) ☐

1. Resettlement village 2. Flat

Q38 (d) What are your concerns in terms of resettlement? (Multiple answers allowed)

Q38(d) ☐

1. Amount of Compensation 3. Development of Resettlement site
2. Livelihood after resettlement 4. Payment method and delays
5. Located close to the original place
6. Others (Please specify.....)

Q38 (e) What facilities do you expect at the resettlement site?

Q38(e) ☐

1. Accessibility to jobs	4. At least similar facilities to the original living place
2. Accessibility to schools	5. Accessibility to services and facilities
3. Better Sanitary conditions	6. Other(Please specify)

Q39 Please give reasons if you do not wish to resettle at another location:

Q39 ☐

1. Loss of employment/ place of work	3. Loss of markets, sources of material for production
2. Affect educational activities of children	4. Distancing of relatives and friends
5. Other (Please specify)	

Q40 to Q45 (b) should be answered only if a business or a livelihood activity is carried out in the subject premises

Q40 Is the livelihood activity your primary source of income?

Q40 ☐

1. Yes ☐ 2.No ☐

Q41 Assuming that more than 75% of your land is affected by the project, do you think the remaining portion of land after the land acquisition is sufficient to readjust and continue your:

Q41(a) Trading/business activities :	1. yes ☐	2. No, but has alternative land to continue business activity ☐	3.No, and has no alternative land ☐	Q41(a) ☐
Q41(b) Agricultural activities :	1. yes ☐	2. No, but has alternative land to continue agricultural activity ☐	3.No, and has no alternative land ☐	Q41(b) ☐
Q41(c) Residential life :	1.yes ☐	2. No, but has alternative land to reside ☐	3.No, and has no alternative land ☐	Q41(c) ☐

Note: In the case of land used for multiple purposes (i.e. residential and commercial), answer all appropriate uses.

Q42 For households with alternative land to relocate and continue with their activities, please indicate in which DS Division the alternative land is situated :

Q42 ☐

Q43 For households with no sufficient remaining land or alternative land to continue, please indicate whether you need assistance from government in finding an alternative land?

1. Yes ☐ 2.No ☐

Q43 ☐

Q44 If yes, in which DS Division you expect to get an alternative land?

Q44 ☐

Q45 (a) Do you want to participate in an income restoration program (IRP) for the project?

1. Yes ☐ 2.No ☐

Q45(a) ☐

Q45 (b) If yes, what kind of assistance do you expect (Note: Multiple answers accepted)

1. Technical advice	5. Materials
2. Soft loan facility	6. Provide a building
3. Assistance for getting other land	7. Other (Please specify)
4. Managerial advice	

Q45(b) ☐

Q46(a) Do you have any idea about laws and regulations of the country on land acquisition for public development projects (such as road projects)?

1. Yes ☐ 2.No ☐

Q46(a) ☐

Q46 (b) If yes, please indicate whether you know about;

Land Acquisition Act (LAA, 1950)	☐
National Involuntary Resettlement Policy (NIRP, 2001)	☐
Regulations of 2008 for LAA	☐

Q46(b) ☐

Q46(c) Enumerator's own observations

Q46(b) ☐

FORM 3: Inventory of Losses Survey

Note: Please obtain the total land area and area of impact of land / structure from your supervisor and verify the structure in field.

Q47 GPS co-ordinates of the property: Y X Q47

Q48 Total area of the affected land lot: Perches Q48

Q49 (a) Affected area of the land lot: Perches Q49(a)

Note: 1 perch = 272 Sq. ft. approximately

Q49 (b) Affected area as a percentage of total land area of the lot: % Q49(b)

Q49 (c) Total and affected areas of structures, by type of structure Q49(c)

Q49(c) Type	Q49(d) Structure	Q49(e) Year built	Q49(f) No. of rooms	Q49(g) Total floor area (Sq. ft.)	Q49(h) Affected floor area (Sq. ft.)	Q49(d)	Q49(e)	Q49(f)	Q49(g)	Q49(h)
Residence	1.Single Storied									
	2.Two Storied									
	3.Others									
Commercial/Institute	1.Single Storied									
	2.Two Storied									
	3.Others									
Others	1.Single stored									
	2.Two storied									
	3.Others									

(For numbers of rooms indicate all rooms)

Q50 Type of material used to build the structure/s

Q50 a	Roof	1. Asbestos	2. Tile	3. Tin sheet	4. Cadjan Leaves	5. Other	Q50(a)
Q50 b	Walls	1. Brick	2. Cement block	3. Tin sheet	4. Timber planks	5. Mud	Q50(b)
		6. Other					Q50(c)
Q50 c	Plaster	1. Both sides	2. Inner wall	3. Outer wall			Q50(d)
Q50 d	Floor	1. Tiled	2. Terrazzo	3. Cement	4. Mud	5. Other	Q50(e)
Q50 e	Doors	1. Wooden	2. Plastic	3. Tin sheet	4. Other		Q50(f)
Q50 f	Windows	1. Wooden	2. Tin sheet	3. No windows	5. Glass	6. Other	

Note: Multiple responses are allowed

Q51 Quantity and types of affected crops and trees

Crops and Trees	Quantity/ Numbers	Total area grown (perch)	Affected area (perch)	Value of affected crop unit (SLR)	Total value affected crop units (SLR)

Q51



Q52 Quantity of other losses, e.g. business or other income/livelihood, jobs or other productive assets; estimated daily net income from informal shops

Q52



Category of loss	No.	Amount of the Loss (Rs)
1.Business		
2.Other productive asserts		
3.Daily net income from informal shops		
4.Others		

Q53



Q53 Photo Ref. No. of the property

DS Level Awareness Creation Meeting for Preparatory Survey on Traffic Improvement Project Around New Kelani Bridge (Kolonnawa Divisional Secretary Division)

Date : 8 April 2013

Venue: Auditorium (Kolonnawa DS Office)

Time: 2.00 p.m. to 4.00 p.m.

List of Participants:

Name	Designation	Office
Mr. Y. W. Senaratne	Divisional Secretary (Kolonnawa)	Kolonnawa DS Office
Mr.D.A.H.Piyathilaka	Asst Divisional Secretary (Kolonnawa)	Kolonnawa DS Office
Mr.J.A.V.S.Jayakody	Deputy Director	ESD Division, RDA
Mrs. D. A. S. Jayasekara	Chief Engineer	CE Office, Colombo, RDA
Mr.Saman Samarakoon	Engineer	CE Office, Colombo, RDA
Mr. M.D. Senadeera	Senior Technical Officer	CE Office, Colombo, RDA
Mr. C.W Abey Suriya	Consultant (Land acquisition)	SLLRDC
Mrs. M.B.M.Gunaratna	Survey Superintendent	Department of Surveyor General
Ms. Lakmali Liyanage	Resettlement Officer	ESD Division, RDA
Mr. D. P. Adikari	Resettlement Consultant	CEAA
Mr. G.M.S.W.B.Gajasinghe	Safeguard Consultant	-Do-
Mrs. S . K . K . Ranasinghe	Coordinator- Social Projects	-Do-
Mr. Bernard Perera	Supervisor	-Do-
Mr.S.P.Senarath	Asst Director (Planning)	Kolonnawa DS Office
Ms. Chamila Priyadarshani	Disaster Management Officer	Kolonnawa DS Office
Ms. Amila Wittachchi	Director	
Dr. P.U.Handugala	AMOH	MOH Office (Kolonnawa)
Dr. T.D.Abeywicrama	AMOH	MOH Office (Kolonnawa)
Ms. Gayani Kumarasinghe	Social Service Officer	Kolonnawa DS Office
Miss M.W.D.Sriyani	Social Service Officer	Kolonnawa DS Office
Miss. J.K.K. Ruwanmalee	Land Use -Planning Asst.	Kolonnawa DS Office
Mr. P.H.A.C.P. Hettiarachchi	Public Management Asst.	Kolonnawa DS Office
Mr.M.K.C.Muthukumarana	Samurdhi Development Officer	Kolonnawa DS Office
Miss.W.T.Niroshani	Samurdhi Development Officer	Kolonnawa DS Office
Mr.R.Vinod Sameera	Samurdhi Development Officer	Kolonnawa DS Office
Mr.Y.D.Tenison	Administrative Grama Niladari	Kolonnawa DS Office

Name	Designation	Office
Ms.D.K.D.Jayantha	Development Asst.	Kolonnawa DS Office
Ms.K.D.A.M.K. Priyadevi	Development Asst.	Kolonnawa DS Office
Ms. K.M.D.Prasani	Management Asst.	Kolonnawa DS Office
Mr.M.C.D.Coasta	Field Officer	Kolonnawa DS Office
Mr.P.A.J.Perera	Field Officer	Kolonnawa DS Office
Mr. P.T.Wijenasa	Grama Niladari	Wadulla
Mr.Y.Piyasiri	Grama Niladari	
Mr.K.A.D.S Jayawardana	Grama Niladari	
Ms. N.D.J.Sepalika	PH M	Orugodawatta
Mr.B.Roiston	Grama Sanwardana Samithiya	

Mr. Y. W. Senaratne (DS Kolonnawa) welcomed all participants for the DS level awareness creation meeting jointly organized by CEAA & RDA for Kolonnawa DSD.

Mrs. D. A. S. Jayasekara (CE, Colombo/RDA) presented the details of the proposed project & it's importance for improvement of traffic around Kelani bridge area.

Ms. J. A. V. S. Jayakody (DD, ESDD/ RDA) presented the need of environmental and social considerations in national development projects and how RDA is addressing such issues, focusing experience the past. He also requested the GN's, Samurdi officers and other officers to assist the study team to carry out the environment and social assessment which needs to completed without any delays.

A presentation on land acquisition was done by Mr. C. W. Abeysuriya, Land Acquisition Consultant of the Land Reclamation and Development Board. He also discussed the clauses in the Land acquisition act pertaining to payment of compensation and Regulations 2009 which nullifies the practice of LARC and Super LARC.

Mrs. M. B. M. Gunaratna, Super indent of. Surveys explained about the survey procedures for national development projects & requested the support from all parties to carry out the survey without delay, especially at field level making property owners' awareness on their presence and showing boundaries and necessary documents.

Then the DS opened the meeting for discussion and questions.

Grama Niladari of Wadulla, Mr. P. T. Wijenasana said that the people in his GN division are now asking about how much of land area will be affected by the project and how they will be compensated.

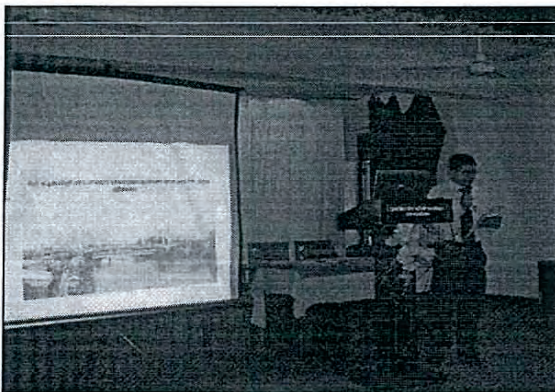
Responding to this issue, Mr. Jayakody DD, ESDD explained that a 100 m corridor has been selected for this study but that does not mean that all the areas within this corridor will be acquired and structures within this corridor will be affected.

Mr. Adikari (Consultant/CEA) explained that this RP study is being carried out to minimize any adverse impacts to people due to the project, making remedial steps to overcome hardships caused by the project. He stated the importance of developing the entitlement matrix and requested the DS & GN's to consider this date (Date of the meeting) as cut-off date for Kolonnawa DSD. Mr. Adikari also explained the need of such cut-off date to avoid any sudden influx of people in to the project area causing delays in executing the project.

Mr. Gajasinghe (consultant) stated that the final RP will be available in all three languages at the DS office.

DS Kolonnawa thanked all participants & required GN's to provide full support for the study and the meeting was adjourned.

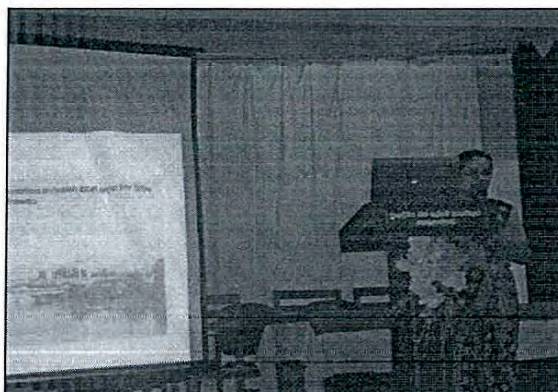
Photographs taken at the meeting



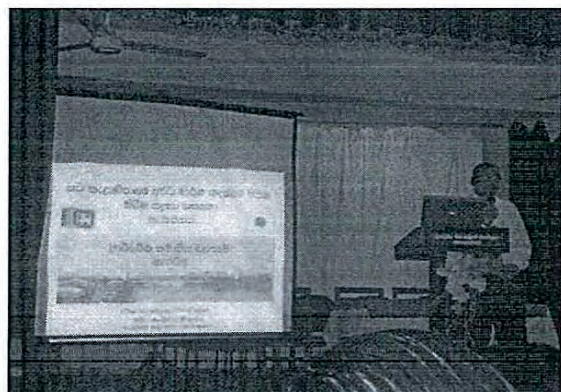
Divisional Secretary Kolonnawa welcoming all participants



A section of the audience



Chief engineer, Colombo of RDA explaining about the project



Deputy Director, FSD Division of RDA explain about environmental and social issues during national projects



Mr. Abeysuriya presenting on land acquisition

Appendix-2.1(2)

DS Level Awareness Creation Meeting for Preparatory Survey on Traffic Improvement Project Around New Kelani Bridge. (Colombo Divisional Secretary Division)

Date : 9 April 2013

Venue: Auditorium (Colombo DSD)

Time: 2.00 p.m. to 4.00 p.m.

List of Participants:

No	NAME	DESIGNATION	ORGANIZATION
1	Mr.K.G.Dharmathilaka	Divisional Secretary	Colombo
2	Mr.B.G.G.Malinda	Assistant Divisional Secretary	Colombo
3	Mr.J.A.V.S.Jayakody	Deputy Director	ESD Division, RDA
4	Mrs. D. A. S. Jayasekara	Chief Engineer	CE Office, Colombo, RDA
5	Mr.M.Sahathevan	Engineer/ P&D- RSCW	NWDB
6	Mr.A.Kalupahana	Electrical Superintendent	
7	Mr. C.W Abeysuriya	Consultant (Land acquisition)	SLLRDC
8	Mrs. M.B.M.Gunaratna	Survey Superintendent	Department of Surveyor General
9	Mr.M.D.Suranga	Scientist /Geo	NBRO
10	Mr D . P . Adikari	RP Consultant/CEA	CEAA
11	Mr G.M.S.W.B.Gajasinghe	Safeguard Consultant	-Do-
12	Mrs. S. Arangala	Social Economist	-Do-
13	Mrs S .K. K. Ranasinghe	Coordinator- Social Projects	-Do-
14	Mr Bernard Perera	Supervisor-CEAA	-Do-
15	Ms. Lakmali Liyanage	Resettlement Officer	ESD Division, RDA
16	Mr.A.P.C.T.Amarasingha	Science & Technology Officer	
17	Sister M.Mehhate	Sister in charge	Home of Compassion, Colombo14
18	Mrs. M.Kathirgamar	Principal/CN Kaleimagal School	
19	Mr.Nimal S Vithanage	Teacher	
20	Mr. D.M.Seneviratna	St.Anns Vidyalaya	Mahawatta -Colombo14
21	Mr.B.N.S.Perera	St.Joshaps Girls School	Grandpass
22	Mr.Asoka Muhandiramge	Rural Development Officer	Grandpass North
23	Mr.Gamini Heenkenda	Management Assistant	District Secretary's Office-Colombo
24	Mrs.I.K.Liyanage		-Do-
25	Mr.G.A.N.S.Mahindaratna	Development Assistant	-Do-
26	Mr. A.Surantith	Community Development Assistant	-Do-
27	Mrs. A.D.Sriya Kanthi		-Do-
28	Mrs. H.D.Presanthi		-Do-
29	Miss Shroni Priyadarshani.		-Do-
30	Miss M.N.F.Rinusha		-Do-
31	Miss Kavnika H.Gamage	S.S.S	-Do-

32	Miss M.J.Priyanka		-Do
33	Miss.Sureka Fernando	Chair person	Disaster Management Society
34	Miss Shanthi Priyangani	Secretary	-Do
35	Mrs.Shanthini J Mohan	Grama Niladari	District Secretary's Office-Colombo
36	Mr.A.A.L.Chathuranga	Grama Niladari	-Do-
37	Mr.S.Urethiran	Grama Niladari	-Do

Mr. V. G. Dharmathilake (DS Colombo) welcomed all participants for the DS level awareness creation meeting on the proposed project jointly organized by CEAA & RDA for Colombo DSD.

Mrs. D. A. S. Jayasekara (CE, Colombo/RDA) presented the details of the proposed project & its importance for improvement of traffic around Kelani bridge area.

Mr. J. A. S. Jayakody (DD, ESDD/ RDA) presented the need of environmental and social considerations in national development projects and how RDA is addressing such issues focusing to the experience in the past. He stated that ESD division of RDA is responsible to see that environmental and social issues related to road development projects are addressed in an equitable manner. He stated that the environmental and social studies for this project is entrusted to a team of experts in the area of environmental and social impact assessment and requested all relevant officers of Colombo DSD to give their fullest support to completed the study.

A presentation on land acquisition and valuation of land and assets was done by Mr. C. W. Abeyesuriya, Land Acquisition Consultant of the Land Reclamation and Development Board.

Mrs. M. B. M. Gunaratna, Superintendent of Surveys explained about the survey procedures for national development projects. She explained why most development projects get delayed due to slow progress of survey work which was attributed to deficiency in information. She requested the support from all parties, especially from field level staff to carry out the survey without delay, by making property owners aware the need for their presence during surveys and show boundaries and relevant documents for reference at field level.

A presentation was done by Mr. M. D. Suranga of NBRO on soil investigation and borehole test.

Mr. Adikari (Consultant) explained that this RP study is to minimize any adverse impacts to people due to the project. He stated the importance of developing the entitlement matrix and

requested the DS & GN's to consider this date (Date of the meeting) as cut-off date for Colombo DSD.

Mr. Jayakody explained that a 100 m corridor has been selected for this study. He also said that the land area needed for the project will be within this 100 m corridor but may be less than 100 m. This means that all within this boundary may not necessarily be affected by the acquisition.

The meeting was then opened for questions and as there were no questions the meeting was adjourned by DS Colombo after the vote of thanks.

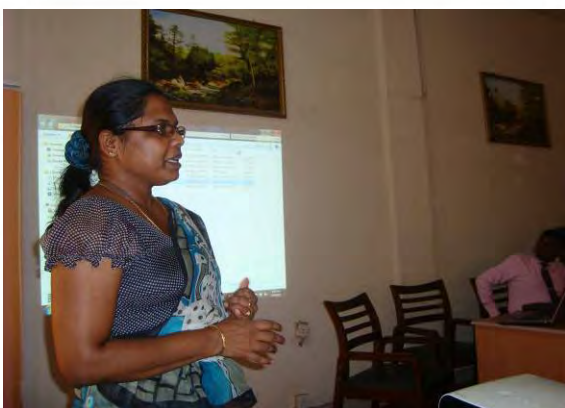
Photographs taken at the meeting



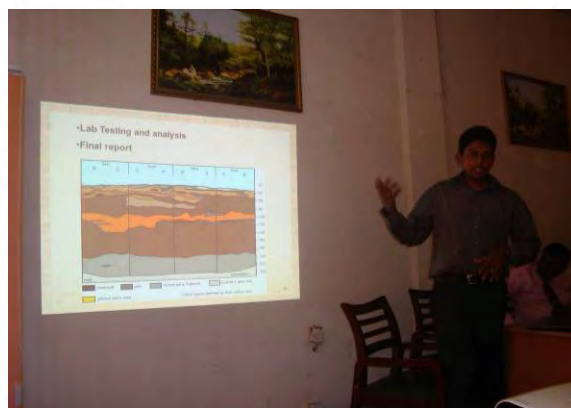
Panel of presenters with Divisional Secretary



A section of the audience



Mrs. Gunaratna presenting on the survey procedure



Mr. Suranga presenting on soil investigation

Appendix-2.1(3)

DS Level Awareness Creation Meeting for Preparatory Survey on Traffic Improvement Project Around New Kelani Bridge. (Kelaniya Divisional Secretary Division)

Date : 10 April 2013

Venue: Auditorium (Kelaniya DSD)

Time : 9.00 a.m. to 11.45 a.m.

List of Participants:

No	NAME	DESIGNATION	ORGANIZATION
1	Mrs.W.H.V.Pushpamala	Divisional Secretary	Kelaniya DS office
2	Mr.J.A.V.S.Jayakody	Deputy Director	ESD Division, RDA
3	Mrs. D. A. S. Jayasekara	Chief Engineer	CE Office, Colombo, RDA
4	Mr. C.W Abeysuriya	Consultant (Land acquisition)	SLLRDC
5	Mrs. M.B.M.Gunaratna	Survey Superintendent	Department of Surveyor General
6	Mr.M.D.Suranga	Scientist /Geo	NBRO
7	Mr. D. P. Adikari	RP Consultant	Consulting Engineers & Architects Associated(Pvt) Ltd
8	Mr G.M.S.W.B.Gajasinghe	Safeguard Consultant	-Do-
9	Mrs S . Arangala	Socio- Economist	-Do-
10	Mrs S .K. K. Ranasinghe	Coordinator- Social Projects	-Do-
11	Mr Bernard Perera	Supervisor	-Do-
12	Ms. Lakmali Liyanage	Resettlement Officer	ESD Division, RDA
13	Miss.K.W.Piyaseeli	Social Services Officer	District Secretary's Office- Kelaniya
14	Mr.M.B.A.N.Weerasiri	Land Use Admin Officer	-Do-
15	Mr.K.R.W.K.Kalthota	Admin Officer – Grama Niladari	-Do-
16	Miss Lakmali Niroshini	-Do-	-Do-
17	Mr.K.D.A.	-Do-	-Do-
18	Mr.P.D.P.D.Kalanipura	Development Officer	-Do-
19	Mr.S.N.C.Gunasekera	-Do-	-Do-
20	Mr. S.D.N.Hemachandra	-Do-	-Do-
21	Mr.H.A.Lalith Priyankara	-Do-	-Do-
22	Miss.S.K.P.N. Weerasingha	-Do-	-Do-
23	Miss.Roshini Hewage	-Do-	-Do-
24	Mr.P.S.Perera	-Do-	-Do-
25	Miss.M.A.N.Priyadarshini	-Do-	-Do-
26	Mr.G.M.T.Ariyathilaka	-Do-	-Do-
27	Mr.M.A.D.I.Premasiri	-Do-	-Do-

28	Mr.P.A.D.S Ponnamperuma	-Do-	-Do-
29	Mr.R.M.V.P.Karunathilaka	-Do-	-Do-
30	Miss.P.A.G.M.Darshani	-Do-	-Do-
31	Miss.S.S.de Alwis	-Do-	-Do-
32	Miss.S.G.Ratnadiwakara	-Do-	-Do-
33	Miss.D.H.D.Chamari	-Do-	-Do-
34	Miss.R.R.Ratnamali	-Do-	-Do-
35	Mr.M.P.C.T.Pathirana	-Do-	-Do-
36	Mr.P.H.D.P.Bandara	-Do-	-Do-
37	Mr.I.D.P.K.Ranasingha	-Do-	-Do-
38	Miss.Nadeeshani Balasuriya	-Do-	-Do-
39	Miss.J.V.Rajini	-Do-	-Do-
40	Miss.J.Chathurangika	-Do-	-Do-
41	Miss.A.G.P.Sandamali	-Do-	-Do-
42	Miss.I.G.A.Krishanthi	-Do-	-Do-
43	Miss.Priyanka Samanmalee	Agriculture Research & Production Asst.	-Do-
44	Miss.Jayantha Padmini	-Do-	-Do-
45	Miss. Indrani Weerasingha	-Do-	-Do-
46	Mr.H.P.Pushpa Kumara	-Do-	-Do-
47	Mr.P.D.Samantha	-Do-	-Do-
48	Mr.G.D.Sunil Shantha	Grama Niladari	-Do-
49	Mr.Sugath Lal Fernando	Samurdi Niladari	-Do-
50	Mr.U.S.S.Karunaratna	Management Assistant	-Do-

Mrs. W. H. V. Pushpamala (DS Kelaniya) welcomed all participants for the DS level awareness creation meeting jointly organized by CEAA & RDA for Kelaniya DSD.

Mrs. D. A. S. Jayasekara (CE, Colombo/RDA) presented the details of the proposed project & it's importance for improvement of traffic around Kelani bridge area.

MR. J. A. V. S. Jayakody (DD, ESDD/ RDA) presented the need of environmental and social considerations in national development projects and how RDA is addressing these issues focusing to the experience in the past projects. He discussed the importance of GN's, Samurdi officers and other officers in assisting the study team to carry out the environmental and social assessments including the resettlement plan. He also stated that a 100 m corridor has been selected for this study.

Mr. C. W. Abeysuriya, Land Acquisition Consultant of Land Reclamation and Development Board discussed about the procedures to be followed when a land is considered suitable for a national development project and explained provisions of Land acquisition act on payment of compensation. He also described the new regulations to LAA that would consider payment of compensation on market price and how it relates to replacement cost.

Mrs. M. B. M. Gunaratna, Superintendent of Surveys explained about the survey procedures for national development projects & requested the support from all parties to carry out the survey without delay, especially supporting to field level arrangements.

A presentation on soil investigation and borehole test was done by Mr. M. D. Suranga of NBRO.

Mr. Adikari (Consultant) explained that this RP study is to minimize any adverse impacts to people due to the project. He stated the importance of developing the entitlement matrix and requested the DS & GN's to consider this date (Date of the meeting) as cutoff date for Kelaniya DSD.

The meeting was opened for discussions.

Mr. Sunil Shantha Grama Niladari Peliyagoda (174B) asked whether the survey carried out about a month back was related to this project, how the encroachers will be compensated need of a simple questionnaire as the people in the area are mostly not educated.

Mrs Jayasekera (CE, RDA) explained that the survey carried out previously was for the traffic survey for this project.

Mr. Adikari stated that the entitlement matrix proposed for this project will be the base for compensation along with provisions of LAA.

Mr. Jayakody stated that RDA will not deprive the rights of any person due to the project.

Mr. Sunil Shantha, GN requested photographs of the project to be displayed in his office as a means of educating the public about the project, to which the RDA and consultant team agreed.

The meeting was adjourned after the vote of thanks by DS Kelaniya.

Photographs taken at the meeting



Divisional Secretary addressing the meeting



A section of the audience



Mr. Adikari explaining about the cut-off date



A question from the audience

**Minutes of the meeting held at Kalibadra Amman Hindu Kovil,
Wadullawatta Grama Niladari Division, Colombo with Kovil devotees
and Affected people around N – Flat at Nawagampura 2nd Stage**

Date : 19/07/2013

Time : 3.30 pm – 5.30 pm

Attendance List is followed by the minutes.

██████████, the chief priest of the Kovil welcomed all participants after conducting religious observations.

Mr. Jayakody – Dy Director ESD Explained the proposed 2nd New Kelani bridge Project with a video presentation, highlighting the objectives of the project, project area, main stages & main activities of the project. He also stated that this proposal was selected out of 4 alternatives proposals, because this proposal will gain highest benefits with minimum disadvantages. Next he invited the audience to express their views.

██████████ the chief priest emphasized the importance of the meeting because it will avoid the misunderstanding of the community around the kovil area. Chief priest also requested the audience to present their views to project officers directly. It will help to formulate necessary resettlement plan to mitigate negative impact to the Kovil and its devotees. He thanked all officers concerned for giving an opportunity to share their views and requested devotees to actively participate in the discussion.

██████████ (Kovil devotee living close to the Kovil) proposed to relocate the kovil to a small size one in the remaining space without demolishing N-flat area. Kovil can She expressed fear that there are rumors heard, this project planners are going to acquire 25-30-houses to rebuilt/relocate the Kovil. It is very harmful and there is no need a kovil without people. Even though they want to do only religious activities. If it is may not be sufficient for religious functions.

If project planners /Government wants to expand the road, they are ready to sacrifice their properties without any objections. Always they are willing to give their support for development activities of the government. But they are not ready to sacrifice their houses & other properties to rebuilt/ relocate the Kovil instead of damage a part of the Kovil. Therefore as a representative of the Kovil devotees, she proposed to rebuilt or renovate the kovil within the remaining land area.

The audience agreed and seconded this proposal with clapping & shouting aggressively. Also they questioned which part of the kovil to be demolish..?

Mrs. Darshika Jayasekera, Chief Engineer RDA, (Colombo) explained the meaning of Blue line & the Red lines in the designed plans. According to the current plans piles may

be construct in the middle of the kovil .During the construction period vibration and huge noise may be occurred. But at this moment they are unable to accurately say the actual Before finalizing the plan ,the soil condition of the area also need to be investigated. After the final planning only the actual situation can be seen. The project planners believe there is a possibility to preserve the sacred places.

The Audience requested when they can get know the real situation..?

Mrs. Jayasekera & Mr. Jayakody explained with the computer presentation.

They showed the current proposal said that they need to submit this proposal to the Central Environment Authority for approval. It takes at least 45 days for the approval with comments or revisions of CEA. They also explained that the government's aim is not to make people suffer from the project, therefore all possible measures need to be taken to avoid such circumstances, in the first instance. Under unavoidable circumstances, if adverse impact can't be avoided, government will take action to minimize them by providing adequate resettlement assistance. In case of the Kovil, if construction plan can't avoid relocation of the Kovil, we need to consider possible alternative solutions to mitigate adverse effects jointly through our consultation. This meeting is an attempt to reach consensus on the issues encountered by all of us.

It was observed that two options for the relocation of the kovil.

1. Kovil can be relocated within the remaining space, by making it smaller than the current condition.
2. Urban Development Authority ready to give a land (10 P) at Wadullawatta area to relocate the Kovil .

The audience accepted the first option, by putting their hands up.

Mr.Ganashen Director/Designs, RDA delivered a speech in Tamil Language summarizing the speeches given by Mr. Jayakody & Mrs. Jayasekera.

Mr. Y.W.Senaratna –Divisional Secretary expressed his views regarding the acquisition and the relocation process.

Mr. Wasantha Sandasiri read out the message from Member of Parliament -Kolonnawa Mr.Duminda Silva . According to his message the people who are living surrounding kovil area will not be affected due to kovil relocation.

Mr. R.T.Wijenayake - Grama Niladari repeated again the options of the relocation of the Kovil. He stated that if they agreed to the first option (Reconstruct the same place) Kovil may be smaller than the current size. He requested acceptance of all Hindu devotees for the first option.

Audience accepted it once again.

Following key decisions were taken as relocation options;

- 1.The chief priest explained to RDA and JICA representatives that they do not object for the development but to reconsider all available options to avoid damage to the Kovil.
- 2.If only a portion of Kovil is acquired, the government should provide all budgetary requirements to rebuild the remaining portion to the satisfaction of all devotees.
3. Kovil can be relocated within the remaining space. But it may be smaller than the current size.

Mrs. Jayasekera, Chief Engineer thanked all participants and devotees for their presence and views expressed for mitigating ill effects that may occur due to relocation of the kovil premises. She appreciated devotees' interest shown to work together for an acceptable solution.

The meeting terminated with refreshments, around 5.30 pm.

Preparatory Survey on Traffic Improvement Project around Kelani Bridge

Focus Group Meeting at Badra Amman Kovil – Wadullawatta GN Division

Date :2013/07/19

Time :3.30pm- 5.00pm

List of Attendance

No	Name (Officials)	Position & Organization	Telephone No
1	Mr. U.W Senarathna	Divisional Secretary-Kolonnawa	
2		Chief Priest –Badra Amman Kovil	
3	Mr. E.I.J.I Yonesawa	Oriental Consultants	
4	Mr.Takuma Ogoni	Oriental Consultants	
5	Mr.J.A.V.S.Jayakody	Dy .Director - RDA	
6	Mrs. D.A.S.Jayasekera	CE /Colombo - RDA	
7	Mr. S.Ganeshan	Director - RDA	
8	Mr.S.M.K.Samarakoon	CE /Kalutara - RDA	
9	Mr. Y.C.W. Dissanayaka .	Engineer- CE office - RDA	
10	Mr.M.D.Senadeera	Senior Technical Officer - RDA	
11	Mr.Sajith Kolombage	RDA	
12	Mrs.S.K.K.Ranasingha	Coordinator- CEAA	
13	Mr.Wasantha Sadusingha	Secretary –MP (Hon Duminda Silva)	
14	Mr.R.T.Wijenayaka	Grama Niladari –Wadullawatta	
15	Miss.Charuka Ratnayaka	CEAA	

	Name Affected People & Kovil devo	House No	Telephone No
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Sri Badrakaligambal Devasthanam

No. 61, 2nd Nawagampura,
New Kelani Bridge Road,
Colombo 14
Tel: 2544512

2013-07-24

Mrs. Dharshika,
Chief Engineer,
Road Development Authority,
No. 15, Park Road,
Colombo

About Sri Badrakaligambal Devasthanaya

Dear Madam,

At a meeting held at the temple premises on 2013-07-19 at 3.00 PM, with the participation of the devotees of the above Hindu Temple, following agreements were reached;

To demolish only part of the temple for road construction allowing the balance section to remain as it is, and to rebuilt the demolished portion in the remaining land available in the back of the temple. Cost of the new construction to be covered by the compensation to be paid for the demolished portion. The estimates submitted earlier for a construction of a new temple is submitted again herewith, but the cost for the construction of half of the temple as agreed above will be only half of the full estimate. JICA study team agreed to arrange compensation, if there are any further damages to the temple during the construction period. Accordingly the request of the devotees is to get the above requirements fulfilled.

(The estimate submitted is for the construction of a New Temple, and therefore the construction cost of only a section may be half of that. However there may be additional expenditure if there are any further damages during the road construction period)

Sgd. / Chief Priest

Sri Badrakaligambal Temple
61, New Kelani Road,
Nawagampura Second Stage,
Chief priest and chief Incumbant
Sri KLM Mohan Sarma
Justice of Peace (whole Island)
President of inter Religion Organization for National Unity.

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ஒம் சக்ரீ ஒம் பராசக்தி

ஸ்ரீ பத்திரகாளிகாம்பாள் தேவஸ்தானம்
 ஓ கௌடொவாட் டேவஸ்தானம்
 SRI BADRAKALIGAMBAL DEVASTHANAM

முதலிய கிடை : HA/6/CBO/92
 இ. ம. ச. : HA/6/CBO/92
 Reg. No : HA/6/CBO/92

சிவஞி கு. ல. மு. மோகனக்குருக்கள் J. P. (ஆஸ்திரேலியாவிலிருந்து வந்தவர்) பிரதம குருவும்)
காளிகாந்தாசன் தொண்டு மாமணி சிவநிதி சென்னை

கில. 81, கிரண்டாம் நவகம்புர,
முதல் களனி பாலம்வீதி,
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No. 61, 2nd Nawagampura,
New Kelani Bridge Road,
Colombo - 14.
Tel. 2544512

2013.07.24

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2013.07.19 වන දින සවස 03.00 ට ඉහත සඳහන් දේවස්ථානයේ විවාහ උත්සව ශාලාවේදී පැවැත්වූ රැස්වීමේදී බැතිමතුන්ගේ කැමැත්ත මත කෝවිලෙහි කොටසක් මත මාර්ගය සඳහා ඉවත් කොට ඉතිරි කොටස එම ස්ථානයෙහිම තබා ඉතිරිවන කොටසෙහි පිටුපස කොටසෙහි මෙම ශාලාව නැවත ඉදිකිරීමට ඒ සඳහා වැය වන මුදල් මෙම ඉවත්කරන්නා වූ කොටසෙන් දෙනු ලබන වන්දි මුදලෙන් සාදා ගැනීමට උත්සහ කරන බවටත් මෙම කෝවිල සම්පූර්ණයෙන් නැවත සෑදීම සඳහා මා මීට පෙර එහි ඇස්තමේන්තුව යවා ඇති බවත්, නැවත එම ඇස්තමේන්තුව මේ සමඟ ඉදිරිපත් කරමි. නවද, කොටසක් සෑදීම සඳහා මෙම මුදලින් අඩක් වැය විය හැකි බවත්, මත මාර්ගයේ ඉදිකිරීම් කරගෙන යනු ලබන අවස්ථාවේදී ඉතිරි වී ඇති කෝවිලෙහි කොටසෙහි නොයෙකුත් අලාභ හානි විමට ඉඩ ඇති බවත්, ඒ සඳහා ජපෙකා (JICA) නිලධාරීන්ද වන්දි ලබාදීමට පොරොන්දු වී ඇත. එබැවින් බැතිමතුන්ගේ කැමැත්ත මත එම ඉල්ලීම ඉටු කරගෙන ලෙස කාරුණිකව ඉල්ලා සිටිමි.

(ඉදිරිපත් කර ඇති ඇස්තමේන්තුව කෝවිල අයුතින් ඉදිකිරීම් සඳහා වන අතර, ශාලාව පමණක් සෑදීමට ඇස්තමේන්තු කළ මුදලින් අවක්ඛ, මහ මාර්ග සංවර්ධනයේදී සිදුවන අලාභහානි සඳහා මෙම ඇස්තමේන්තුගත මුදලෙහි වෙනසක් විය හැකි බව කාරුණිකව දන්වා සිටිමි.)

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**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE
FOR EIA STUDY AND RESETTLEMENT ACTION PLAN**

Minutes of 1st Stakeholder Meeting

Date: 25 March 2013 from 9:30AM-11:30AM

Venue: Sri Lanka Foundation Institute – 100m Independent Square Colombo 7

Organised by: Road Development Authority

Participants:

Officials of RDA (Director General, Officials of Planning Division , Environment and Social Development Division , Chief Engineer's Office Colombo, Officials from Central Environmental Authority, Provincial Council Member, Municipal Council Member ,Divisional Secretaries, Grama Niladari's , Representatives from Parliament Member , Officials from JICA, Officials from Oriental Consultants (JICA Survey Team) and Consultants from Consulting Engineers and Architects Associated Pvt. LTD .

(List of Participants given in Attachment- A)

Presentation Material:

Two Power Point Presentations were made by Mr. H M K G G Bandara, Director Planning Division and Mr. Hudson Silva – Director ESD Division, RDA outlining the main features of the project, its objectives, project benefits, social impacts (resettlement issues) etc. Two leaflets were distributed (one in Sinhala and one in English) outlining the items cited above.

(English Leaflet is given in Attachment- B)

Speeches & Presentations by RDA

Director General RDA Mr. W A S Weerasinghe provided an introduction to the project. He said that two major projects i.e. Colombo Katunayaka Expressway Project and Outer Circular Highway Project are now underway and these project will increase the traffic flow towards Colombo. Therefore this Project has been formulated to increase the capacity of the existing New Kelani Bridge by building an additional bridge with six lane facility parallel to the New Kelani Bridge. RDA has sought the help of JICA to accrue funds and to conduct feasibility studies. He specifically stated that the objective of this meeting is to inform the contents of the proposed development to all relevant line agencies and obtain their support and feedback which will contribute to the project's success. He welcomed all participants.

Mr. Bandara Director Planning Division RDA- explained further details of the project. He said there are only limited entry routes to enter Colombo from the North direction, namely Victoria Bridge and New Kalani Bridge. Traffic volumes

have got increased and after the completion of CKE there will be additional traffic congestion. Therefore, the capacity of New Kelani Bridge should be increased by the proposed project. The completion of the OCH Project, Colombo Harbor Development Project and Port City Project in future will further increase the traffic volume in this area. He said that during preliminary studies four (4) route alternatives were found and these four alternatives will be further studied.

Mr. Hudson Silva Director ESD Division, RDA made a presentation consisting Introduction, Selection of Routes and Environmental/Social Impacts. It was stated that 98% of the country's land transport is based on the road network. He presented the need for the project stating that Colombo north is a very important place in the transport network and there is severe traffic congestion in the environs of New Kelani Bridge exerting a burden on the economy as the road network is used for passenger transport as well as goods transport.

He indicated the object of the project is to increase the transport efficiency in the environs of New Kelani Bridge and to establish the appropriate transport network between CKE and the city of Colombo.

He mentioned that three DS Divisions namely Colombo, Kolonnawa and Kelaniya including several GN Divisions will be involved in this project.

According to him, the feasibility studies consist of three stages namely the present status and review of the rough plan, basic plan and project review and preparation of the final report.

He also mentioned and showed the detailed alternative layout and presented that Alternative B where the proposed bridge runs parallel and contiguous to New Kelani Bridge has been selected for preliminary design based on the multi criteria comparison. The criteria consist of distance, road network plan, traffic congestion impacts, construction cost time and feasibility and number of buildings to be demolished.

According to him, the project is classified as category A project based on the JICA environmental guidelines and National Environmental Act (NEA). He mentioned that a Basic Information Questionnaires (BIQ) has already been submitted to CEA and ToR has been obtained.

Social impact assessment is a very important part of the EIA. As the number of affected households will be more than 20 it is mandatory to prepare a Resettlement Action Plan (RAP). JICA guidelines also request to prepare the RAP. Household surveys, Focus Group Discussions with affected parties and discussions with the officials of the relevant line agencies will be held. Compensation will be provided according to the National Involuntary Resettlement Policy of May 2001. He stated that all social information will be obtained in collaboration with all the line agencies and political authorities.

concerned. He said that leaflets for the Project will be distributed to stakeholders and any grievance or query will be absorbed by RDA.

Key Views Expressed by participants During the Discussion Time:

Following key views were expressed by various participants such as members from public, Grama Niladari's, Municipal Council Members of Urban Councils etc. and the views/questions expressed and the replies by RDA have been listed in the following Table

Views Expressed by Line Agency and Public Participants	Replies by RDA Officials
● I am often asked form local people about the compensation package for land acquisition applying to this Project. ● Most of the people living in Wadullawatte are working in Pettah of Colombo, so they hesitate to move to remote place from the original location. ● There should be some action to preserve the acquired land for the project. If not people will encroach the acquired site according to past incidents. ● Also the people ask about the width of the affected areas for the road Project in terms of land acquisition? Mr. Thusitha Wijenayake (GN of Wadullawatte of Kolonnawa DS.)	● Feasibility studies have just been started and exact widths of the roadway has not been decided as yet. Surveys will be conducted to obtain information to arrive at decisions. Access is needed for surveys as generally people oppose to surveys. ● Socio economic data will be collected with the help of GN. ● Resettlement method will be decided after socio economic surveys which will be done house to house. ● Further discussions will be held with the affected parties after socio economic data collection.
● I use the bridge daily. ● I think that the reason of traffic congestion from Dematagoda to Kiribathgoda is due to poor road condition which induces the decreasing vehicle speed. ● Given that the project will be completed at least 2 years ahead, short term mitigation measures for the traffic jam should be proposed, for example the introduction of passage control by "One way operation". [REDACTED] (Local People)	● RDA has been already conducting study on solutions for traffic congestion under JICA's assistance to formulate short, medium and long term plans. ● Land acquisition for widening of Mattakkuliya Bridge is underway. ● At present any container truck that goes to the ports have to move along this road section twice as the weigh bridge is located on Orrugodawatte – Ambatale road. ● This is greatly affecting the traffic movement along this road. ● A plan is discussed to shift this weigh bridge to a location close to Colombo port. ● The road condition at the Peliyagoda side will be improved immediately.
● It is important to consider loss of employment as there could be pavement hawkers etc. ● It is important also to consider the construction of the Lake line Road which will connect with the Project road ahead in order to avoid additional traffic congestions.. Mr. Sumeda Jayalath (A representative from Dematagoda Gana Saba and Secretary of Independent Self-employed Persons Organization)	● The survey and Inttlal work for constructing the Lake line road is being done and the project will be implemented according to the finances available.

Views Expressed by Line Agency and Public Participants	Replies by RDA Officials
● The some affected people are renting their shops or bearing a load of debt for their small business. The Project should consider the restoration of the livelihood of those people. Sedawatte timber mill operators should be especially considered. ● The local transportation of surround area of the Project road is in very dangerous condition presently, especially for pedestrians. So, the safety of pedestrians should be considered, for example, the establishment of pedestrian way at the side of the road. ● Municipality Counsels will help to implement the project but trust should be established. Many people are squatters and may not have formal land deeds. There are also number of people who reside on payment of rent and they will be severely affected. Mr. Rukmal Alwis (representing Kolonnawa, Municipal Council)	● Resettlement will be done based on JICA and Government Policy. Voter's list will be examined to ascertain the nature of residents. Help from GN is needed in this regard. Loss of business etc. will be studied case by case. ● The necessity of having a pedestrian crossing was noted and will be included in to the designs. ● A series of pocket group meetings will be held within the project influence area with the assistance from local politicians and community leaders to socialize the project.
● According to the notions of the President of the Country all resettlers will have better living condition after resettlement than before as was done in past projects. ● Discussion with AP's and line agencies before finalizing the project is an excellent measure on the part of RDA. ● Better to resettle people at a closer location to the original site in a flat etc. or provide money to resettle at a place on their own choice. A market complex a new city is needed in parallel with the proposed project. ● It is appropriate to do social consultations in a place closer to their residences. Mr. Renuka Perera (Member of Provincial Council, Western Province)	● No party will be let down in the process of resettlement. RDA will take all steps towards ensuring better living conditions to all affected communities. ● Resettlement options will be discussed with affected communities, local politicians and community leaders.
● I would like to propose that the RDA coordinates closely with DSs and GNs when the socio-economic field survey will be carried out to avoid unnecessary social friction with local people. Mr. Renuka Perera (Member of Provincial Council, Western Province)	-

Vote of Thanks was proposed by RDA Chief Engineer Colombo Ms. Darshika Jayakody.

Photographs of various stages of the meeting are given below.

Attachment A- List of Participants

Attachment B- Leaflet of the Project Outline



Objectives of the project

Broad Objective of the project is to provide efficient and safe connectivity between CKE, Colombo port and Baseline road while preserving the nature and to assist the needs of the growing economy.

Specific Objectives:

- To construct a new bridge of six lanes to the upstream of the existing Kelani bridge to connect CKE, Colombo Port and Baseline road
- To avoid extra loading of the existing Kelani bridge and increase the durability of the bridge

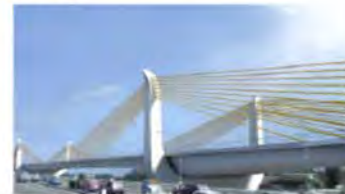
To increase the transportation efficiency within Colombo city.

Key features of the project

Description	Details
Starting point	Peliyagoda Palama Junction (Starting point of the Colombo – Katunayaka Expressway/ CKE)
End point	Orugodawatta Junction
Total length of bridge	Approximate length of the main bridge is 185m.
Number of lanes	The number of lanes of the main line from CKE to Kelanitissa interchange is 6 lanes, from Kelanitissa interchange to Orugodawatta interchange is 4 lanes.
Affected Divisional Secretariat Divisions	Colombo Divisional Secretariat Division, Kollonnawa Divisional Secretariat Division and Kelaniya Divisional Secretariat Division.

Mitigation of adverse environmental and social impacts

Project related land acquisition may cause adverse environmental and social impacts, and it is necessary to address them with adequate mitigation measures mainly in line with Land Acquisition Act, National Involuntary Resettlement Policy and National Environment Act. The aim of this approach is to assure that affected people of the project will be protected from ill effects of this development.







**PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE
FOR EIA STUDY AND RESETTLEMENT ACTION PLAN**

Minutes of 2nd Stakeholder Meeting

Date: 11 July 2013 from 9:30AM-12:00AM

Venue: Sri Lanka Foundation Institute – 100, Independent Square, Colombo 7.

Organized by: Road Development Authority

Participants: Cabinet Ministers, Officials of RDA (Director General, Officials of Planning Division , Environment and Social Development Division , Chief Engineer's Office Colombo) , Officials from Central Environmental Authority, Sri Lanka Land Reclamation and Development Corporation, Atomic Energy Authority, UDA, Ministry of Defense, Sri Lanka Police, Colombo Municipal Council, Ceylon Petroleum Corporation, NWS&DB, Provincial Council MP's, Municipal Council MP's ,Divisional Secretaries, Grama Niladari's , Government MP's from Colombo Districts, Officials from JICA, Officials from Oriental Consultants (Design Consultant) , Clergy from Amman Kovil & Sanchi Temple, and Consultants from Consulting Engineers and Architects Associated Pvt. LTD .

Stakeholders from affected GN Divisions i.e. Wadullawatte/Sedawatte, Navagampura, Granspadss, Peliyagoda Gangabada and Bloemandhal with their representatives and affected business owners and media personnel.

(List of Participants given in Attachment- A)

Presentation Material: Two PowerPoint Presentations were made by Mr. H M K G G Bandara, Director Planning Division and Mr. Hudson Silva – Director ESD RDA is outlining the main features of the project, its objectives, project benefits, social impacts (resettlement issues) etc. Latest findings of the EIA and RAP in terms of social impacts were presented to the stakeholders.

(English Leaflet is given in Attachment- B)

Speeches & Presentations

Cabinet Minister A H M Fowzie addressed the stakeholders and stated that when a project such as these are implemented to develop and beautify Colombo there could be temporary impacts. Colombo District is a vast area with many ongoing and proposed projects. All Government development work should be implemented in collaboration with the stakeholders to achieve success. Traffic jams in Peliyagoda area are severe and this projects underway to ease that traffic jam. About 450 houses will be affected and alternative resettlement will provided to the affected parties through RDA with the help of the Minister Mr. Nirmla Kotalawala without any inconvenience to the stakeholders. He said that although there will be some dissatisfaction of stakeholders during the project implementation everybody will praise the outcome.

Secretary to the Ministry of Ports & Transport Mr. R W Ranjith Premasiri provided an introduction to the project and stated that RDA has invited the Japanese Government to carry out this study on the instructions of the President who is the Minister of Ports and Highways. JICA survey team who carried out initial studies have studied for alternative routes and selected one alternative route for implementation. A bridge will be constructed across the Kelani River. This process will cause temporary inconvenience to public. Government usually informs the public of the details of the project as their ideas are important. Before this meeting there were other official discussions with MP's, Government officials and representative of the clergy of

affected Buddhist Temple and Kovil. The concurrence of all the parties is expected to successfully implement the project.

Mr. Bandara Director Planning Division RDA- Said that providing an efficient transport system to public is a duty of the government such as construction of an expressway network is now underway. The Colombo Kandy expressway is one such project. This will be connected to New Kelani Bridge shortly. Roads are mainly used for good and commuter transportation against other media such as train or waterways. He showed that average traffic entry amounts to New Kelani Bridge increases gradually until 2030 horizon. After discussions with UDA , RDA and Ministry of National Planning Government with the help of Japanese Government started the Colombo Transport Study and this project is a sub project emanated through that study. He said that 4 alternative routes were studied and one was selected for implementation. The proposed bridge across the Kelani River is a special bridge which will serve as the northern gate to Colombo city, serves as the nexus between the Bandaranayaka International Airport and Colombo city. The bridge will have an iconic value in Colombo City.

Mr. Hudson Silva Director ESD-RDA made a presentation consisting Introduction, Selection of Routes and Environmental/Social Impacts and the social impacts identified from the EIA and RAP. Road transport usage amounts to 98% over other transport media, hence an efficient transport network is important.

A New Kelani Bridge will be constructed parallel to the existing New Kelani Bridge and the project's network will be connected to Colombo Road and Colombo Puttlam Road. He showed the traffic forecast for the project area and stated that the project is needed to cater to increased future traffic flow.

He briefly indicated the EIA process for the project and stated that the EIA study is being carried out to the Terms of Reference provided by CEA as this project is a "Prescribed Project" in terms of CEA regulations. He stated the RAP was carried out an entitlement matrix was prepared for the assessment of compensation. He said that totals 449 families and 54 business premises will be affected and 360 families will be affected in the GN Divisions of Sedawatte and Wadullawatte alone. Total number of affected people will be 1915. He said that Amman Kovil, Sanchi Temple, Atomic Energy Authority and Automobile Workshop of NAITA would be affected.

He indicated the proposed tentative resettlement plan as follows.

Affected people with land titles will be provided alternative places for resettlement and/or compensation according to the entitlements.

1. For persons without titles action will be taken to resettle them in close proximity.
2. The workshop of NAITA will be reestablished in a UDA land.
3. Atomic Energy Authority will be shifted to a UDA land at Malabe
4. Seventy percent (70%) of Amman Kovil will be affected and its rehabilitation or reestablishment is still being worked out.

Key Views Expressed by participants During the Discussion Time:

Following key views were expressed by various participants such as members from affected stakeholder groups, Grama Niladari's, public officials and the views/questions expressed and the replies by RDA officials Ministers and MP's have been listed in the following Table

Views Expressed by Line Agency and Public Participants	Replies by RDA Officials/MP's and Ministers
GN of Navagampura Stage 2 It is said that extra 25 houses will be affected because of the shifting of Amman Kovil. The shifting of Kovil's decision has been taken yet. People will be inconvenienced because of this latest development. In the affected area there are title holders, persons with no land titles, renters etc. and all of them should be suitably considered. Renters should be especially considered as they are very innocent people.	
Residents of Navagampura Stage 2 Do not demolish extra 25 houses to make room for the Kovil. The other kovil nearby could be used instead of Amman Kovil for worshipping.	No firm decision has been taken yet regarding the demolition of extra 25 houses.
Residents Kamkarupura We do not know exactly know how many houses will be affected in Kamkarupura. Resettlement should be in close proximity. If resettled at a far off place our livelihood will be affected. Please relocate us around Orugodawatte Junction.	None will be resettled at far off places. All will be resettled at close proximity according to the decision taken by the Ministry of Port and Highways.
Residents Wadullawatte We need resettlement at a nearby place. If we will be resettled at a far off place our livelihood would be affected our children's schooling will be affected as they go to nearby schools. Some houses are used as divided houses and several family units dwell in them. When compensation or resettlement is considered these subdivisions should be considered. We need resettlement in Kollonnawa electorate itself. We need facilities like electricity, toilet water supply etc.	None will be resettled at far off places. All will be resettled at close proximity according to the decision taken by the Ministry of Port and Highways. Title holders and non-title holders will be suitably considered.
Atomic Energy Authority We would like to be relocated in the land at Malabe only.	Please contact UDA to get further information
Affected Businessman They wanted to know approximately when the project starts. If the affected area could be marked it will help us identify the acquisition boundaries in advance.	Only preliminary designs are available now. Exact boundaries will be marked after the detailed designs.
Residents Sedawatte 3rd Stage Twenty one houses will be affected. For these houses land titles are available and they are not illegal constructions. We want to know the starting date of construction and compensation payment time.	No concrete answer could be provided as the project is still in feasibility stages. Address of RDA Environmental and Resettlement Division may provide to the participants for direct any grievance or a complaint regarding any issue affecting them.

Minister of Ports and Highways Mr. Nirmala Kotelawala, MP Thilanga Sumathipala, MP Prabha Ganeshan and Mr. Duminda Siva also spoke.

MP Mr. Thilanga Sumathipala- We have very good relations with the Ministry of Ports and Highways and the ministry takes all actions to muster public views. He also said this development will help smooth container transport from Colombo Port and Bandaranayaka International Airport. There could be traffic, dust and vibration impacts from the project during construction. These impacts should be reduced with the help of all parties.

MP Mr. Duminda Silva- I work very closely with the public of Kollonnawa area and I will take the responsibility of providing alternative houses in a close by location.

MP Mr. Prabha Ganeshan- Sacrifices have to be made during development. People will be temporarily affected.

Minister Mr. Nirmala Kotelawala – As a responsible ministry we have considered public views. Dedication of people is needed to successfully implement the project. The willingness of people should be obtained from the project implementation without hindering their livelihood. Still the project is in the planning stage and time is available to resolve issues. Even transmission lines will be affected. Stakeholders should not have any suspicion to the effect that they will be resettled at a far off place affecting their livelihood and schooling of children. The final plan will be discussed with people.

Vote of Thanks was proposed by RDA Chief Engineer Colombo Ms. Darshika Jayakodi.

Photographs of various stages of the meeting are given below.

Attachment A- List of Participants

Attachment B- Leaflets in Different Languages

Photographs





Attachment A- List of Participants

NO	NAME	DESIGNATION	ORGANIZATION
1	Miss. Namal Ralapanawa	Senior Project Specialist	JICA
2	Mr. H Tashima	Environmental Specialist	Oriental Consultants
3	Mr. Eiji Yonezawa	Bridge Engineer	Oriental Consultants
4	Mr. Thakuma Oguni	Highway Engineer	Oriental Consultants
5	Mr. Kumi Okayama	Environment Specialist	Oriental Consultants
6	Mr. Hiroko Sakai	Highway Engineer	Oriental Consultants
7	Mr. Shigeru Sai	Environment Specialist	Oriental Consultants
8	Mr.Ranjith Premasiri	Secretary	Ministry of Ports & Highways
9	Mr. D.D. Mathraarachchi	Director	Ministry of Ports & Highways
10	Mr.U W Senarathna	Divisional Secretary	Kolonnawa
11	Mrs. W H V Pushpamala	Divisional Secretary	Kelaniya
12	Mr. J.A.V.S. Jayakody	Dy Director –ESD	RDA
13	Mr. S.H.U.De Silva	Director -ESD	RDA
14	Mrs. D.A.S . Jayasekara	Chief Engineer (Colombo)-ESD	RDA
15	Mr. B.A.R. Premarathna	Project Director-WP	RDA
16	Mr. T.L.M. Fernando	Project Director D-OCH	RDA
17	Mr. M.P.K.L. Gunarathna	Project Director -OCH	RDA
18	Mr. V.G. Liyanagamage	EE-Colombo	RDA
19	Mr. D. Ganeshan	Director -Highway	RDA
20	Mr. T.S..H. Abewickrama	Project Director OCH2	RDA
21	Mr. M.D,Saman Samarakoon	Engineer –CE Office	RDA
22	Brig. N D S P Niwunnella	Brigadier	Ministry of Defense
23	Maj. A N S K Wijewardana	Major	Ministry of Defense
24	Mr.Budhika Ranawaka		Ministry of Defense
25	Mr.A Senarathna	D I G Traffic	S L Police
26	Mr.Jayantha A.Gamage	Director Engineer	L M C
27	Mr.D.A.J.Ranwala	Specialist(EIA)	Consulting Engineers & Architects Associated Pvt (Ltd)
28	Mr. D.P,Adhikari	Specialist(RP)	-do-
29	Mr.Saranga Gajasingha	Specialist(Environment)	-do-
30	Mrs. S.K.K.Ranasingha	Project Coordinator	-do-
31	Mr. W.L.S.B. Perera	Supervisor	-do-
32	Mr.P S L Gajanayaka	Sup. of Surveyors	Survey Department
33	Mr.E Dayasena	Deputy Chief Valuer	Valuation Dept.
34	Mr.K K D U Bandara	Deputy Chief Valuer	Valuation Dept.
35	Mr.N H N Madushanka	Engineer	Sri Lanka land reclamation development Corporation
36	Mr.P Wijerathna	A G M	-do-
37	Mr.S T D O Warapitiya	Engineer	National water supply & Drainage Board
38	Mr.K L Edirisingha	C E(CMB)	-do-
39	Mr.M T D Abewardana	CE (P&D)	-do-
40	Mr. H S Kariyawasam	Director	National Institute of Training Authority
41	Mr. G M P A Bellana	Director	-do-
42	Mr.Anura Malagala	Deputy Principal	-do-
43	Mr.P.L. Dahanayake	Project Engineer	Sri Lanka Ports Authority
44	Mr.A L M Noufer		-do-
45	Mr. D L L Wickramasingha	Director	Atomic Energy Authority
46	Mr.M M P Wijesekara	SDD (FSA)	-do-
47	Mr.Chamal Menaka	Environment Specialist	MCUDA / MODUI
48	Mrs.Swarna Kusumseeli	-	Urban Development Authority
49	Mr.B A R A Kumara	PO	-do-
50	Mr.Hemal Lakpathum	PA	-do-

51	Mr.K A N Kumara	Manager	National Housing Development Authority
52	Mr.H M K A Bandara	Manager	-do-
53	Mr.M.M.Iqbal	D. Manager	State Timber Corporation
54	Mr.M.K.Gunasingha	Manager (Dev)	Ceylon Petroleum Corporation
55	Mr.Nissanka Jayawardana	MS/MI	C P S T L
56	Mr.A R Jahan	AD/DP	
57	Mr.Sujeewa Godage	Asst. Secretary	
58	Mrs.Shanthini J Mohan	Grama Niladari	Bluemandal
59	Mr.S Uruthiran	Grama Niladari	Nawagampura
60	Mr.K.D.A.S. Jayawardana	Grama Niladari	Sedawatta
61	Mr.Ranjith karunadasa	Grama Niladari	Orugodawatta
62	Mr. M.D. Senadeera	Senior Technical Officer	RDA
63	Mr. C. Weerawardhana	Technical Officer	RDA
64	Mrs. K.D.D. Mihirani	Graduate Trainee	RDA
65	Mr. K.A.S.K. Gamage	Graduate Trainee	RDA
66	Mr. G.A.D. Gunasekara	Management Assistant	RDA
67	Mrs. H.G.M. Madushani	Management Assistant	RDA
68	Mrs. W.G.N. Dilushini	Management Assistant	RDA
69	Mrs. S. Suji	Management Assistant	RDA
70	Mr. K.M.A.S. Bandara	Management Assistant	RDA
71	Mr. C.K. Thotawatta	Technical Assistant	RDA
72	Mr. R.D.A.M.H.K. Niyangoda	Administrative Assistant	RDA
73	Mr. G.I. Ossman	Account Assistant	RDA

Priests

1		Chief Priest -Sanchi Viharaya	Wadullawatta
2		Priest –Somaloka Viharaya	Stace Road
3		Priest- Badra Amman Kovil	Wadullawatta

APS of Wadullawatta Grama Niladari Division

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APS of Sedawatta Grama Niladari Division

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APS of Nawagampura Grama Niladari Division

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32		AP	Nawagampura
33		AP	Nawagampura

APS of Grandpass (North)Grama Niladari Division

1		Osaka Car Sale	Grandpass
2			Grandpass
3		Technician	Grandpass
4			Grandpass
5			Grandpass
6			Grandpass

APS of Bluemandhal Grama Niladari Division

1			
2		Group Finance Manager	K.Duwin & Company
3			K.Duwin & Company

APS Peliyagoda – Gangabada Niladari Division

1			Peliyagoda – Gangabada
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11			Peliyagoda – Gangabada

Others

1		Journalist	“Sunday Times”
2		Executive Director	Sena Mills
3		Managing Partner	Suravi International
4		Manager	Wijaya Graphics
5		Manager	Piyachan work
6			SOS Motors
7			
8		Manager	Ston Logistics
9			Smart Logistics
10			Ganis Motors
11			Pala Auto Electricals
12		General Manager	Ganis Motors
13		Consultant	
14		Salesman	

Minutes of 3rd Stakeholder Meeting

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

Resettlement Action Plan - Presentation Of Compensation Options To Affected People

Date: 28 September 2013 from 10:30AM-12:30PM

Venue: Sri Lanka Foundation Institute – 100 Independent Square, Colombo 7

Organized by: Road Development Authority

Participants: Hon. Minister A H M Fowzie, Hon Minister Nirmala Kotelawala (Project Minister of Ports and Highways), Hon Thilanga Sumathipala, MP, Hon Nowzer Fowzie- Provincial Council Member, Hon. Ashoka Lankathilake – Provincial Council Member.

Mr R W R Pemasiri, Secretary Ministry of Ports and Highways, Mr. M C L Fernando – Additional Secretary MOPH, Mr. W A S Weerasinghe Director General – RDA, Mr. H M K G G Bandara Director Planning, Mr. S Opanayake Director Lands, Mr. J A U S Jayakody, Deputy Director ESD, Mr. Prasad Ranaweera Coordinator (Projects) UDA, Ms. Irene Nanayakkara – Director Lands, Ministry of Land and Land Development. Other officials from RDA and government organizations relevant to project were also present.

JICA Representatives, Mr. Hiroaki Adachi, Mr. Kota Wakabayashi, Ms Namal Ralapanawa.

Mr. Kitazawa from the Oriental Consultants representing the JICA Study Team

Affected People from affected GN Divisions i.e. Wadullawatte, Sedawatte, Origodawatte, Navagampura, Grandpass, Peliyagoda Gangabada and Bloemandhal representing Residents and business owners

Total number of affected people attending the meeting were around 320. The proceedings commenced with the traditional lighting of the oil lamp.

Presentation Material:

Two Power Point Presentations were made by Mr. H M K G G Bandara, Director Planning Division and Mr. S Opanayake – Director Land RDA outlining the main features of the project, and the details of compensation options

(English Leaflet on proposed compensation options is given in Attachment-A)

Speeches & Presentations

Secretary to the Ministry of Ports and Highways Mr. R W Ranjith Pemasiri – made the welcome speech and stated that he expects a fruitful discussion among the participants and enlisted the help of participants towards that goal.

Mr. Bandara Director Planning Division of RDA Provided a quick outline of the project features.

Mr. Opanayake, Director Lands of RDA made a presentation explaining the details of compensation options offered to the affected people . Details of the offered compensation options are as follows as explained by Mr. Opanayake

Loss of Residential land and Structure - For Title Holders

Option 1- Self Relocation

The project will pay an extra allowance in addition to the compensation amount assessed by the Department of Valuation for the land and buildings.

Total Compensation Amount = Rs. 635,000+Compensation for the land+Compensation for the house

When the possession of the cleared land was handed over to the project before the designated date 25% of the assessed value of the building will also be paid additionally.

Option 2- Resettlement in a housing unit

A house will be provided from the housing complexes constructed by UDA at Salamulla, Orugdawatte or Kolonnawa.

Total Compensation Amount = Rs. 135,000+Compensation for the land+ a house as above in lieu of compensation for the house

Loss of Residential Structure Non-Title Holders

Option 1- Self Relocation

A compensation payment in addition to the assessed value by the Department of Valuation will be paid by the project.

Total Compensation Amount = Rs. 1,185,000

When the possession of the cleared land is handed over to the project before the designated date 25% of the house compensation value for the structure amounting to Rs 137,500 (25% Of Rs. 550,000) will be paid as an additionally.

Option 2- Resettlement in a housing unit

A house will be provided from the housing complex constructed by UDA at Salamulla, Orugdawatte or Kolonnawa.

Total Compensation = A house as above in lieu of compensation for the house

RDA will pay an amount of Rs. 635,000 to the UDA as an initial payment towards the housing unit.

Loss of Commercial land and Business Premises – Title Holders

Self Relocation

The project will pay an extra allowance in addition to the compensation amount assessed by the Department of Valuation for the land and buildings.

Total compensation amount = Rs. 590,000+Compensation for Land+Compensation for Building

When the possession of the cleared land is handed over to the project before the designated date 25% of the building value will be paid additionally.

Loss of Business Premises – Non Title Holders

Self Relocation

Total compensation amount = Rs. 865,000.00

When the possession of the cleared land is handed over to the project before the designated date 25% of the building value will be paid additionally and the payment will be.

Total Amount = Rs. 933,750.00

He further said that for self relocation purposes, the minimum amount of assessment for a house to be constructed will be taken as the current market value of a 550ft² house.

Key Views Expressed by participants During the Discussion Time:

Following key views and concerns were expressed by affected people, and the views/concerns expressed and the replies by RDA officials, Ministers and elected representatives have been listed in the following Table

Views Expressed by Line Agency and Public Participants	Replies by RDA Officials/MP's and Ministers
██████████ from Kamkarupura Flats Stated that the method of compensation is not clear especially with respect to residents of a Government Flat. He also wanted every one to be relocated close by. My dispensary will be affected and I request that compensation be paid to affected parties. It is not clear whether how many houses of Kamkarupura flats will be affected ██████████ wanted to minimise the effects on Sanchi Viharaya, the Buddhist Temple.	If the ownership titles are available compensation will be paid . Kamkarupura flats will not be largely affected according to the project design . However RDA will conduct a detailed site inspection and the status will be made known. Only the parapet wall and entrance When the possession of the cleared land is handed over to the project before the designated date 25% of the building value will be paid additionally. Only the parapet wall and the entrance structure will be affected which will be compensated by the project.
██████████ - Wadullawatte Explained that a replacement house will be preferred to cash compensation as they are working, schooling and conducting business in the area.	Affected parties will be given the option of obtaining a house from one of the proposed UDA Housing Complexes.
██████████ Will the amount of compensation be paid at once?	All amounts of compensation will be paid in one instalment after assessment except for the additional 25% incentive payment
██████████ - Businessman from Sedawatte He will lose his business, how will they be treated.	Affected businesses will be compensated.
██████████ Wadullawatte We badly need replacement houses as at present we do not have proper toilets or garbage disposal facilities in some of our houses. We will not be able to self relocate.	Option for a housing unit with good basic facilities from UDA housing complexes will be available for affected people.

Views Expressed by Line Agency and Public Participants	Replies by RDA Officials/MP's and Ministers
[REDACTED], Wadullawatte I have given my house on rent and information regarding my house has been taken from my tenant. Will I get any compensarion.	If the ownership could be proved compensation will be offered to the landlord. Tennants will also receive assistance.
[REDACTED] When we opt for a housing unit do we have to pay Rs. 50,000 as an initial payment ? Most of us cannot afford to pay this amount.	Rs.50,000 has to be paid initially as the standard amount which applies to all applicants irrespective of the present project. If the hardships are proven special assistance will be available.Paying Rs. 50,000 as an advance from the any compensation due could be considered. Priority will be given to persons who are willing to pay this amount in advance.
[REDACTED] How will the 25% incentive be assessed ?	This will be paid based on the legal compensation amount for the structure.
[REDACTED] – Private Secretary , of Honourable MP Duminda Silva Please provide good explanations regarding the compensation package . Please conduct a house to house campaign in this regard	A form will be distributed among the affected parties in Sinhala and Tamil indicating the compensation payment options and the Affected parties will be given an opportunity state their preference..
[REDACTED] How will we be able to pay the monthly payment of around Rs. 3900.00.	This is a standard payment applicable for all housing unit owners. There will be schemes to assist those who cannot afford this amount after verifying the needs.

Secretary to the Ministry of Ports & Highways Mr. R W Ranjith Pemasiri- Explained the method of compensation in detail stating that providing land plots from RDA Attidiya site was done away with , after discussions with elected representatives and UDA considering the hardships the affected parties have to undergo if resettled in a far off place such as Attidiya. Forms and leaflets regarding the compensation options will be distributed next week and the affected parties could indicate the choice they opt for and thereafter another discussion will be held with them.

Minister A H M Fowzie- Explained the compensation options and other details in Tamil Language for the benefit of Tamil and Muslim affected parties. He also spoke in Sinhal summarizing the discussions.

MP Mr. Thilanga Sumathipala- Said that under the Mahinda Chiintana, and the guidance o the Hon. President, around 80,000 housing units will be built in Colombo to resettle low income people from unauthorized settlements in a major programme, Urban Regeneration Project, under Colombo city development using governmet funds. He also stated that a large number of people from railway reservations will also be affected due railway widening projects. He emphasized the need to standardize the resettlement process so that all affected people are treated fairly and equally.

Minister Mr. Nirmala Kotelawala – Wanted to know wheter there is any objection from the affected parties against the project. The minister asked the audience to confirm the agreement of the affected parties to the project by raising their hands. Every raised their hands and indicated their concurrence and support to the implementation of the project. The Minister also it is the desire of the government to improve the social and economic conditions of the people and this is one staep in a long term plan.

Vote of Thanks- Minister Nirmala Kotelawala thanked everybody who participated in the meeting and invited them for lunch at the venue.

Photographs of the meeting:















Preparatory Survey on Traffic Improvement Project around
2nd New Kelani Bridge
[Impacted properties of public sector and religious organizations]

Meeting Minutes

Subject: Impact on public sector and religious organizations caused by
the proposed second new Kelani Bridge

Venue: Ministry of Ports and Highways, 9th Floor, “Sethsiripaya”,
Battaramulla

Date: 10th May 2013

Participants:

Name	Designation	Organization/Institution
1. Mr.R.W.R.Pemasiri	Secretary	Ministry of Ports&Highways
2. Mr. W.A.S. Weerasinghe	Director General	RDA
3. Mr. D.Ganeson	Director/ Highway Design	RDA
4. Mr. S.Opanayaka	Director/Land	RDA
5. Mr. D.K.R. Swarna	Director Engineering Service	RDA
6. Mrs. D.N. Siyambalapitiya	Deputy Director Planning	RDA
7. Mr. J.A.V.S. Jayakody	Deputy Director ESD	RDA
8. Mrs. S.Kaluarachchi	DD(HID)	RDA
9. Mrs. D.A.S. Jayasekara	Chief Engineer – Colombo	RDA
10. Mr. S.M.S.K. Samarakoon	Engineer,CE’s office, Colombo	RDA
11. Mr. U.S. Pilanavithan	Engineer (Planning Div.)	RDA
12. Mr. J.A. Disanayake	Engineer (Planning Div.)	RDA
13. Mrs. C.Weerawardhana	TO, CE’s office, Colombo	RDA RDA
14. Mrs. LakmaliLiyanage	Resettlement Officer (ESD)	RDA
15. Mr. S.Sai	Resettlement Expert	Oriental Consultant
16. Mr. H. Tashima	Environmentalist	Oriental Consultant

17. Mr. Shin Hisaoa	Construction Planer	Oriental Consultant
18. Mr. N.K. Thanh	Bridge Engineer	Oriental Consultant
19. [REDACTED]	Chief Incumbent	SanchiViharaya, Nawagampura
20. [REDACTED]	Chief Incumbent	Sri Badraamman Kali Kovil,Nawagampura
21. Mr. P.G.Kumarasinghe	General Manager	State Timber Corporation
22. Mr. S.Wijayabandara	General Manager	State Development and Construction Corporation
23. Mr. G.M.P.A. Gallaba	Director/Administration and HR	NAITA
24. Mr. G.Jayasinghe	Additional Director	Vocational Training Authority
25. Mr. N.S.D.Nawantha	Director	Vocational Training Authority
26. Mr. D.L.L.Wickramanayake	Director	Atomic Energy Authority
27. Mr. M.M.P. Wijesekara	SDD	Atomic Energy Authority
28. Mr. AnuraMalagala	Deputy Principal	Automobile Engineering Training Institute
29. Mr. H.S.Kariyawasam	Director/Principal	Automobile Engineering Training Institute
30. Mr. R.A.D.U. Rathnayake	Head of the Department of Electrical Engineering	Automobile Engineering Training Institute
31. Mr. D.P. Adikari	Resettlement Consultant	CEAA

The Secretary/MoP&H chaired the meeting and welcomed all participants attended. He also briefed about the need for a new bridge to ease unbearable traffic congestion of the area at present and also to meet the future traffic requirements to avoid a traffic bottleneck just at the main entering point to Colombo city. The bridge will connect Colombo-Katunayka Expressway, Colombo-Kandy Road, Peliyagoda-Puttalam Road, Baseline Road and Colombo Port Access Road. The Ministry of Ports and Highways is well aware about the inconvenience and hardships causing to public organizations and religious organizations by the project, but still, it is not

possible to stay away from the project as it would cause more problems by worsening traffic situation in the capital, as well as in the country.

As stated by S/MoP&H, project needs collaborative support of all public sector organizations and others. The hardships and inconvenience encountered by individual organizations have to be managed to ease those situations collectively, helping to each other. One of the objectives of this meeting is to share information with everyone to have best possible solutions to overcome hardships caused by the project, based on reliable information, within the overall contest of the project. S/MP&H assured his support to public sector organizations and religious organizations for finding such solutions, in all possible manners.

Mr. Jayakpody, Deputy Director/ESD made a well prepared power point presentation with necessary maps and drawings, showing details of affected areas along proposed access roads leading to new bridge. His presentation drew attention to following;

1. Background
2. Project area
3. Surveys
4. Affected buildings
5. Environment
6. Resettlement planning

Public sector organizations

- **National Apprentice and Industrial Training Authority (NAITA)**

National Apprentice and Industrial Training Authority (NAITA)

(The Automobile Engineering Training Institute, located in Wadullawatta GND of Kolonnawa DS division)

This Automobile Engineering Training Institute located in Wadullawatta is one of the apprentice training centers administered by National Apprentice and Industrial Training Authority (NAITA), and it is the only apprentice training centre of NAITA in automobile engineering training. NAITA comes under Ministry of Youth Affairs and Skills Development.

This training institute has been established with a grant aid of the Government of Japan. This assistance included construction of buildings, installation of machinery and training of staff, costing of Rs. 500 million approximately. The institute commenced activities in November 1989. Institute's building area covers nearly 4 acres of land, and has 2.5 acre bare land for vehicle testing track and other training purposes. Training center has three training batches in a given time, 400 hundreds in each, of which one batch is trained inside the center for one year, and two batches are undergoing training at selected industrial sites.

The project impact will be severe for this location. Training centre will lose all most all land area it has now. Most appropriate solution for NAITA is to find an alternative site somewhere else. S/P&H wished to have a meeting with the Ministry of Youth Affairs and Skills Development separately to discuss matters related to NAITA training canter at Waddullawatta.

- **Atomic Energy Authority (AEA) Sri Lanka**

Functions under the purview of Ministry of Science and Technology and implement regulatory programs conforming to international standards on radiation safety, to ensure protection of workers, public and the environment from potentially harmful effects of ionizing radiation. AEA Head office located in Urugodawatta will be affected severely, loosing around 50% of its land. The representatives of AEA wished to shift the premises to alternative site, even away from congested city limits, like Battaramulla or Malabe.

- **State Timber Corporation**

The impact on State Timber Corporation Depot located in Orugodawatta is limited to access road. However, State Timber Corporation premises is in the verge of changing its location as its area is needed by UDA for a construction project. Representatives of State Timber Corporation suggested discussing this matter with UDA too. RDA agreed with this accordingly as only the access to the premises is affected in lie of this project.

- **State Development and Construction Corporation(SD&CC)**

The affected land is limited to a staff quarters. SD&CC wished to have an alternative land for this lost in Colombo or suburb area.

- **Sri Badra Kali Amman Kovil**

As shown by maps and drawings, around 95% of the premises will be affected for this project inclusive of working space. [REDACTED], the incumbent priest of the Kovil stated that he has no objection of taking up the rest of the kovil for this project as long as the shrine stone in the center could be saved. This may need detail ground surveys to exactly know the position, Rev Sarma requested to rebuild a Kovil in nearby premises where alternative accommodation is provided for the people who need relocation elsewhere. Further, [REDACTED] requested to have a meeting with Kovil devotees too to share information in this regard. CE/Colombo will arrange this meeting with [REDACTED], the chief priest of the Kovil.

- **Buddhist temple**

The impact on the temple is not severe. It is limited to a smaller area and the boundary wall including the gate. In case of buildings, it will affect only the building under construction now. The chief incumbent, [REDACTED], the chief incumbent agreed with the situation and expects reasonable compensation to make necessary adjustments.

**Minutes of the meeting held for awareness creation and Focus Group Discussion on the
Traffic Improvement Project around new new Kelani Bridge**

Theme	Awareness program and Focus Group Discussion for Traffic Improvement project Around New Kelani Bridge
Venue	Community Hall at Wadullawatta (Grama Niladari Office) of Kolonnawa DS division
Date and Time	25 th April 2013 at 10.00 AM

Attendance:

Road Development Authority

Mr. Sajith Colombage, Environmental and Social Division of RDA

Government Administration Service

Mr. R T Wijenayake, Grama Niladari, Wadullawatta

JICA Survey Team, Consortium of Oriental Consultants Co. Ltd and Katahira and Engineers International ;

Dr. M. Tatsumi, Team Leader

Mr. S. Sai, Resettlement specialist

Mr. E. Yonezawa, Road Engineer

Mr. N. Kitazawa, Representative of Colombo Office

Local Survey Team, Consulting Engineers and Architects Associated (Pvt) Ltd.;

Mr. D P Adikari, Team Leader

Mr. C A Abesuriya, Resettlement Consultant

Mrs. S K K Ranasinghe, Coordinator

Mr. L S P B Bernard, Supervisor

Mr. A S Gunaratne, Supervisor

Mr. R P. Lokuratna, Managing Director, CEA

Around 120 members from the affected community attended the meeting including religious leaders and 10 office bearers of various community organization based in this GN Division. The Attendance sheets which were signed by the community participants is attached as Annexe 1.

1) General

As per the agenda of the meeting, business commenced with religious observances; Venerable Seenipelle Ariyadamma Thero administered five precepts for Buddhists while persons of other religions made their observances individually.

An informal self-introduction session was conducted so that the JICA Team Members, Local Survey Team and the members of the community could come to know each other prior to commencement of discussion sessions.

2) Session with key speeches

Mr. R.T.Wijenayake, GN/ Wadullawatta welcomed all participants to the meeting. Further he briefed objectives of the meeting as creating an opportunity for affected persons to meet RDA officers and the study team engaged in the census on land acquisition and resettlement directly, and discuss likely effects that may be caused by the project in a friendly atmosphere. The correct awareness required by affected people is very important at this juncture. They need should be able to understand what measures are taken to overcome adverse environmental and social impact caused by the project, and how best they can cooperate with project planners and implementers to achieve their expectations. GN wished that this awareness session will enhance peoples' understanding in this direction and invited the audience for active participation at the meeting.

Mr Sajith Colombage, who is supervising Census on Land Acquisition and Resettlement at field level, representing RDA, briefed about RDA's past experience in resettlement planning, and its considerations for mitigating adverse environmental and social impact in road development projects. Environmental and Social Division (ESD) is the functional division of the Road Development Authority responsible for compliance of projects with environmental and social safeguard requirements. As observed by Mr Colombage, the collaboration extended by the affected people of the area and the field staff of DS office/Kolonnawa is very encouraging. He expected the continuation of the exercise with the same spirit. He requested participants' views, observations and comments either as representing their organizations or as individuals and pointed out that this information will be very valuable to the resettlement planning process.

Dr. Tatsumi, Head of Project Team briefed about the Project explaining how it came to the present stage. As Mr. Tatsumi spoke in English, his speech was translated to Sinhala by Mr. R P Lokuratna, MD, CEA. Mr. Lokuratna inquired whether all the participants understood Sinhala and they replied in the affirmative.

Dr. Tatsumi explained that the Colombo Katunayake Expressway will be completed by August 2013 and this result in the current Kelani Bridge not being able to cope with the increased traffic. The traffic from the Colombo Harbour also contributes to the congestion at the Kelanitissa intersection and the Orugodawatta intersection.

To relieve the expected traffic congestion around this area, Government of Sri Lanka has requested the support of Government of Japan to extend their corporation. The Government of Japan has released funds for a Feasibility study including the assessment of environmental effects and social and resettlement impacts of the project with a view to funding the construction in future. The proposed second bridge goes paralleled to the present bridge and will be upstream and at a higher elevation. It will be a cable stayed bridge and will not have supporting piers in the river area and hence, bridge will create minimal impact to the waterway. The adverse impacts, especially related to resettlement will be due to the access road network for the proposed bridge.

The main bridge over the river and up to Kelanitissa intersection will have six lanes, while port (Ingurukade Junction) and Oriugodawatta access roads will each have 4 lanes. The road system will consist of viaducts with ramps at the intersections. The elevated road system will be designed so that it can be connected to a future city wide elevated road system. However the current project is only concerned with the bridge over the river and accesses to the port and Orugodawatta junction

Mr. D.P. Adikari, resettlement Consultant of CEAA, drew attention to the ongoing Census on Land Acquisition and Resettlement. The Government Policy regarding resettlement is to protect people from adverse impact caused by development projects, and ensures that no one fall below their previous socioeconomic situations as a result of new project. For preparation of resettlement plans to protect people from adverse impact, it is necessary to assess their present socioeconomic situation going through each and every person, and this is done through the present census carried out in the area. Mr. Adikari urged all participants to cooperate with the study team giving correct information and also their views, ideas and suggestions. This assessment is the information base for developing Resettlement Action Plans. The people living in the area should support preventing of new comers to the areas for sake of receiving resettlement benefits. As can be foreseen, new comers will only result in reducing level of relief the people already living in the area will receive due the reason that the funds available for resettlement benefits are limited.

Mr. C. A. Abeyesuriya, Land Acquisition and Resettlement Consultant, explained land acquisition procedures of the Land Acquisition Act. According to the act, only title holders are entitled to receive compensation following ownership inquiries and valuation process. According to Land Acquisition Act encroachers and unlawful occupants of government land are not eligible to receive government compensation. They have to be dealt in a different manner, outside to the Land Acquisition Act. This area comes under the responsibility of project implementing agency. The past experience shows that RDA has taken adequate steps through special aid packages to cover these circumstances. He expected similar arrangement for this project too.

3) Open discussion – question, answers and discussion

Name of the person raising the question	Question /issue	Team response
A resident of the area	I see road congestion is due to the location of four container yards operating with Colombo port and also act as bonded warehouses for customs purposes in Orugodawatta. The large number of container trucks plying between the Colombo port and the Orugodawatte junction is the main culprit causing traffic congestion in the area. This problem can be easily solved by relocating these container yards to the large empty space in Bluemendal area earlier used as a rubbish tip. Mr. Priyankara also requested that the	Consultant will include his suggestions in the report so that further investigations can be made by relevant authorities. People who lose access roads or other infrastructure as a result of the implementation will be provided with alternative facilities.

	facilities, such as access roads, for residents who live outside the affected area should also be improved	
President of the Tax payers' association	There are people who pay taxes but do not live here. They also should be benefited.	GN explained that the survey is to take a census of people living and carrying out lively hoods in the affected area. The purpose is to identify those affected by the project.
Chairman, New Kelanipura Community development Society	I wish to know, when physical resettlements are done, do we get permanent settlement in a single step or temporary settlements first, till permanent settlement are made later	This depends on many factors such as availability of new lands, , need for urgent evacuation, availability of funds and construction requirements etc. Project Planners prefer to support permanent resettlement, if physical resettlement is needed, if other conditions permit to do so. It is too early to give a definite answer.
Chairman, Mosque, New Kelanipura	Stated that they support development. When needed, we have no objection to demolishing our houses as long as we are provided with better facilities	The aim of the Resettlement Plan is to provide new and better facilities
A resident	I have a cleaning service. I need a place, especially an office in addition to an alternative house.	The Questionnaire has specific questions related to self employment and small businesses. If correct answers are give these issues can be considered when preparing the Resettlement Plans.
A resident	Myself and a number of people make incense sticks as a cottage industry. We need space for drying this product. If we are shifted to a flat there will be no space to carry out our livelihood	Pl. inform your requirements when the enumerators visit you and you answer the questionnaire. Suitable provisions can be made in the Resettlement Plan.
Chairperson Samurdhi beneficiary group, Wadullawa watta	Same as above	See above

	The project is commendable and warrants every ones' support. Today's meeting is successful and all present got a good idea of the project and had opportunity to state their views. Rev. Thero also wanted to know as the elevated road will be constructed on piers, whether the piers can be located in a way to avoid demolition of any features of the temple.	This can be considered in the detailed design stage and precautions taken to minimize effects on the temple structures when possible.
	Will the buildings close to the site be affected by construction work, especially pile driving.	Whether there will be any effects on closeby structures due to construction activities will depend on a number of factors. The Contractors will be taking insurance. There will be procedures in place to ensure any damages to building close to the site are identified properly compensated.
A resident	We have a small shop in my premises. How can I continue my livelihood.	This will be taken in to notice in the ongoing Census and Resettlement Plan will include income restoration provisions.

Mrs. Kamala Ranasinghe, thanked all participants for joining the meeting leaving their day to day business and house chores aside in this public holiday. This cooperation is highly appreciated by the study team. Her special thanks went to Rev Seenipelle Ariyadamma thero and other religious dignitaries for their presence which is considered as a great encouragement for the resettlement planning process. Mrs. Ranasinghe appreciated the cooperation extended by Mr. R.T.Wijenayaka, GN/Wadullawatta and staff of all government agencies and RDA to make the event successful. She wished continuation of this cooperation in future endeavors too.

Refreshments including pastries and and a cool drink of milk were served to all participants. The session ended at 1.00 PM and created a friendly environment for future work.

Prepared by;

D P Adikari, Team Leader

AROUND NEW KELANI BRIDGE

CFOCUS Group Meeting) Date: 25/04/2013

Venue: Community Hall at wadullawaththa G.N. Division (Representatives of wadullawaththa CBO's) Time: 10.30 am - 12.00

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PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

(Focus Group Meeting)

For APs of Wadullawatte GN Division (509D)

Venue : Community Hall at wadullawaththa G.N. Division
ස්ථානය (Participating of wadullawaththa G.N. Division)

Date : 25. 04. 2013
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Time : 10.30 a.m. + 12.00 P.m
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PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

(Focus Group Meeting)

Venue :
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2nd New Kelani Bridge feasibility studiesMinutes of the meeting held at Kalibadra Amman Hindu Kovil, Nawagampura, Colombo
with Kovil devotees on adverse impact caused by 2nd New Kelani Bridge Project

Date and time	26 th May 2013 at 10.00 AM
Venue	Kalibadra Amman Hindu Kovil, Nawagampura, Colombo
Participants	Mr.S.H.U.de Silva, Director, Environmental and Social Division, Road Development Authority (RDA) Mr.D.Ganesan, Director, Highway Design, RDA Mrs. D.A.S.Jayasekera, Chief Engineer, Colombo, RDA Mr.S.M.S.K. Samarakoon Saman Kumara, Engineer, CE Office, RDA, Colombo Mr.S.Sai, Environmentalist, JICA Mr. G. Hisapa, Construction Planner, JICA Mr. Saranga Gajasinghe, Environmental Consultant (Consultant Engineers & Architects Associated (Pvt) Ltd (CEAA) Mr. D.P. Adikari, Resettlement Consultant (Consultant Engineers & Architects Associated (Pvt) Ltd (CEAA) and Kovil devotees (attendance list of kovil devotees is attached)

██████████, the chief priest of the Kovil welcomed all participants and conducted religious observations. He was assisted by two male students by chanting religious verses. Chief priest said that he requested this meeting to make an opportunity for devotees to present their views to project officers directly, instead of his representation of their views to project planners. He thanked all concerned officers for giving an opportunity to share their concerns and urged devotees to present their views and ideas, actively participating for the discussion.

Mrs. S. Jayasekera, Chief Engineer, Colombo of RDA welcomed all participants and thanked Chief Priest for his mediation to organize a meeting with Kovil devotees to discuss likely impact that may occur to Kovil by the proposed land acquisition related to the 2nd New Kelani Bridge project. She emphasized the importance of the meeting, as it helps to formulate necessary resettlement plans to mitigate negative impact of the project, taking views and ideas of all interested parties.

Mr. D. Ganesan, Director/Designs, RDA thanked all participants attended for the meeting and the organizers, and urged to participate in the meeting constructively to achieve the objectives of the meeting.

Mr. H.U.C. de Silva, Director, Environment and Social Division of Road Development Authority made a computer presentation about the project, highlighting likely impact caused by the project to the people and properties in the project area. The Kovil is one of the affected properties. Government doesn't like to make people to suffer from the project impact, therefore take all possible measures to avoid such circumstances, in the first instance. Under unavoidable circumstances, if adverse impact can't be avoided, government takes actions to minimize them by providing adequate resettlement assistance. In case of the Kovil, if construction plan can't avoid the Kovil, we need to consider possible alternative solutions to mitigate

adverse effects jointly through our consultation. This meeting is an attempt to reach consensus on the issues encountered by all of us.

Mr. Silva made his presentation in English and Sinhala. Majority of the audience understood Mr. Silva's presentation proceeded in a discussion style, maintaining interactions with the audience. Mr. D. Ganesan, Director, Highway Designs of RDA assisted the audience by translating Mr. Silva's presentation to Tamil when necessary, and supporting the discussion with necessary clarifications. Mr. Ganesan performed a role of a good facilitator at the meeting, using the advantage of being a Tamil by ethnicity and Hindu by religion. This matched the aspiration of Hindu devotees.

As highlighted by Mr. Silva, the Government is trying to solve the present traffic congestion in the project area with the financial support of the Government of Japan, yet the project is in the feasibility study phase evaluating environmental and social problems arising from the project. As stated by him, officers participate in this meeting with open minds, without pre-determined solutions or remedies. Therefore, this is a good opportunity for devotees to make their views, grievances and suggestions.

██████████, a Kovil devotee, said how a religious institution can be moved. It has to be with its devotees living around. In case of government institutions; they can move to a new place at any time, and commence their work newly. But, in case of religious place, it can't move without its devotees. As revealed in the discussion, after taking affected areas, the remaining space in the Kovil is not sufficient for kovil functions. According to the initial design a floor area about 190 sq. meters needs to be acquired from the total of 320 sq. meters from the building. The remaining area may not be sufficient for devotees to go around the shrine.

Mr. Sinna Alagan, MC Member, Kolonnawa Municipality, Mr. Moorthy, a member of Kovil management, Mr. Jeganathan Kugadasan and Mr. Thangavelu Ranganathan expressed their views, mainly emphasizing the need to remain the kovil in the present premises. At this point an idea was emerged to study the possibility of moving the kovil towards the NHDA dwelling area in the adjacent, removing a line of houses belonged to the National Housing Development Authority (NHDA). In this case, occupants of the dwellings have to be provided with new houses. If this proposal is considered, this has to be studied by preparing necessary plans and discussions with NHDA and present occupants of NHDA dwellings.

The proposal made to shift the center line more towards the power plant to avoid damages to the Kovil was found unrealistic. It is not possible only to shift the center line near the Kovil. Such design will make an unnecessary curve at this point. If such option is to be considered such shift should be from Kelanitissa junction up to Ingurukade junction. This will cause more damages.

Chief priest said that all steps have to be taken to prevent the temple. The temple is performing its religious functions for last 22 years. If a religious place is destroyed without proper replacement arrangements, it creates a bad impression, and damages to the country's good name.

As per a proposal came from a participant, instead of trying to extend kovil land to nearby houses where people live, possibilities have to be studied to move the kovil to a nearby vacant land belonged to UDA. Kovil priest can advise on the suitability of the land if he knows the place. The land near Sena Mill also a possible alternative location if kovil has to be moved finally, irrespective to the efforts made to keep it in the same place. The most important thing here is the completion of the new kovil, before the removal of

present kovil. The most religious shrines and symbols can't be put in transition places until a new kovil is constructed. When they are removed, there should be a place to install them permanently. There can't be a gap between the two. The selection of a new place should have to be done very carefully. It should not have any risk involving feature threat of removals due to any other development project or some other reason in the future.

Responding to a point raised by the audience, it was mentioned that government will pay the cost to rebuild it in the new location.

Following key decisions were taken as relocation options;

1. If only a portion of Kovil is acquired, the government should provide all budgetary requirements to rebuild the remaining portion to the satisfaction of all devotees. This option is agreed only if there is space to go around the Kovil.
2. If the Kovil is relocated, it should be relocated at a place in the near vicinity and the government should provide all budgetary requirements to build a new kovil having at least the present facilities.

The chief priest explained to RDA and JICA representatives that they do not object for the development but to reconsider all available options to avoid damage to the Kovil.

Mrs. Sathyanandan, responding to a question raised by an officer, said that they are confident that government will not damage the kovil without a proper solution. They don't object to the Bridge Project. Mrs. S.Indradevi also supported this view. For Mrs. Udayakumari, Kovil is like her mother, and mother shouldn't be damaged. Mrs. Radakrishnan, told that she came to this area around 1991 and temple was developed little by little from those days with contribution of devotees living nearby. "This is the soul of the people", Mrs. K. Murugaiah added her views, saying that she has a big faith for the temple, and it will not allow anything bad to occur. They all wished to have a better solution agreeable to all.

Mrs. Jayasekera, Chief Engineer thanked all participants and devotees for their presence and views expressed for mitigating ill effects that may occur to kovil premises. She appreciated devotees' interest shown to work together for an acceptable solution. Mrs. Jayasekera thanked all government officers and partner agency officers by naming them for their presence and corporation extended to her to make the event a success. As stated by her " we didn't come here with predetermined plans to restore damages that may occur to the kovil. We need devotees and kovil custodians' views and ideas for planning; this planning needs to be a collaborative effort with highest participation of all affected persons. Now we have some ideas from APs. This consultation is not going to be ended by this event. We will have a continuous dialogue with you all on this issue until we reach an acceptable solution".

Mrs. Jayasekera thanked all participants again and ended the meeting.

List of Attendance of Kovil Devotee
26.05.2013

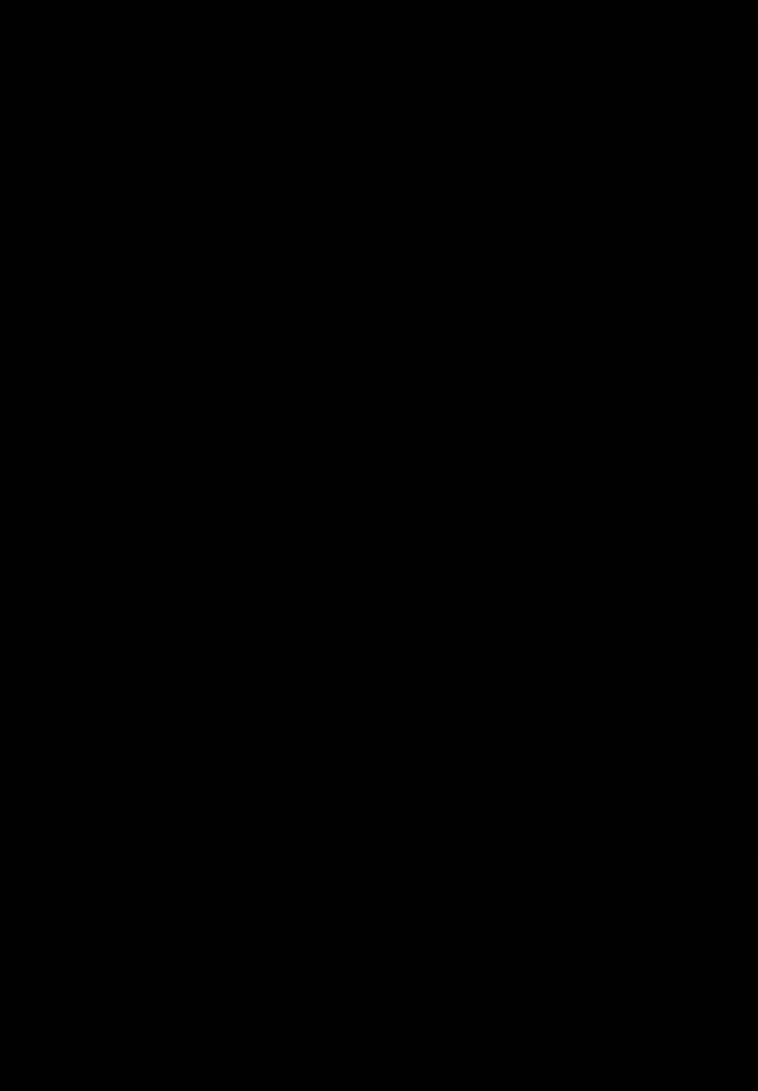
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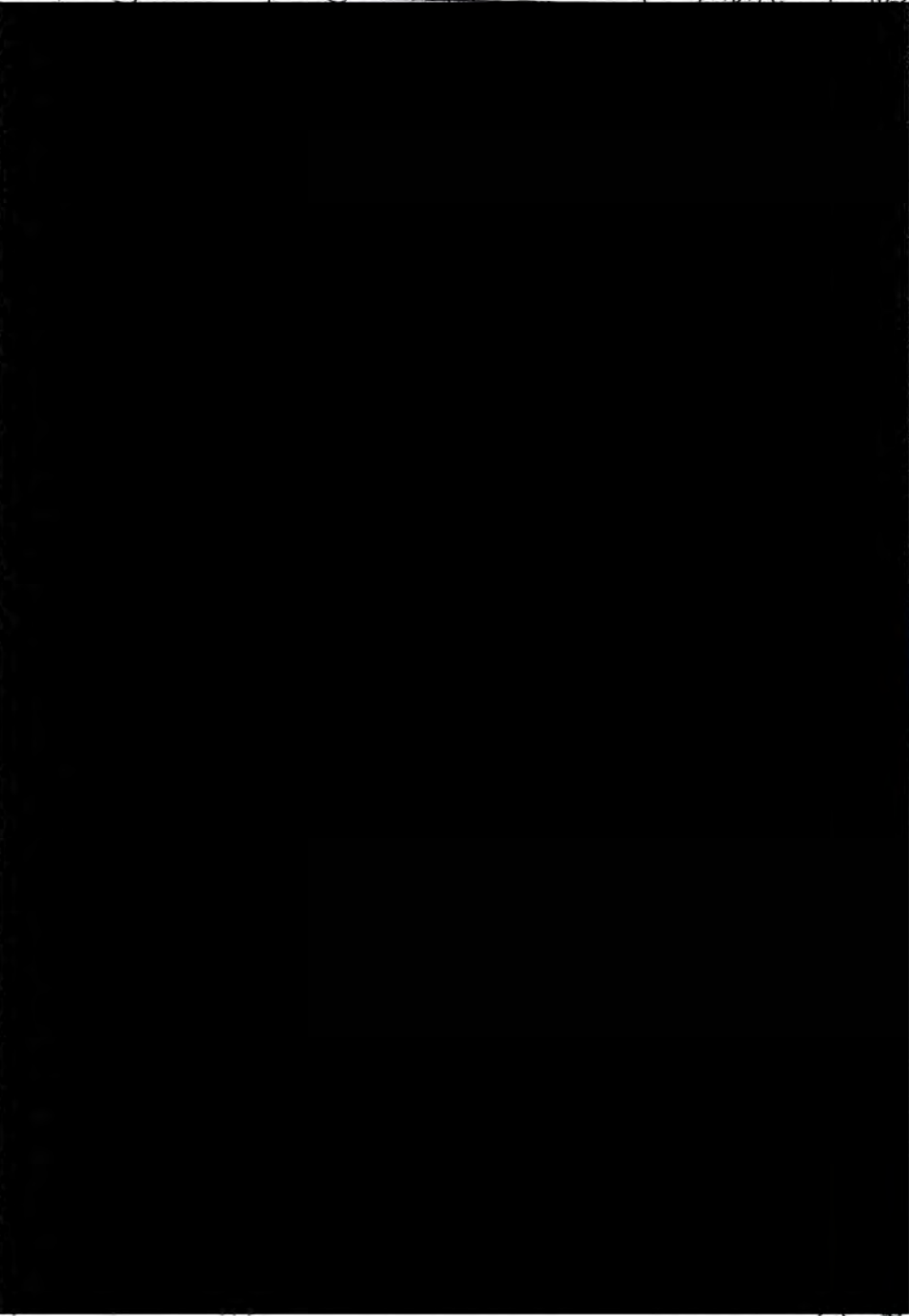
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Appendix-2.10

Agenda for the Focus Group Meeting

- Theme** : Familiarization and sensitization on adverse impact causing social and economical disturbances and inconveniences to women in Wadullawatta Grama Niladari Division by "Traffic Improvement Project Around New Kelani Bridge "and discuss corporate solutions
- Venue** : Community Hall at Wadullawatta
- Date** : 11/06/2013
- Time** : 10.00 AM – 12.30 PM
- Participants** : Grama Niladari, Members of women headed families , women who engage in self employment activities , mothers , house wives, aged women and vulnerable women

Time	Event	Description
10.00 am	Attendance	list attached
10.00- 10.05	Registration	documented
10. 05 -10.10	Religious Observances	participants observed religious adherence in silence as per own religion
10.10 - 10.15	Welcome speech	By Mr. R.T.Wijenayaka Grama Niladari (Wadullawatta)
10.15 - 10.20	Explanation of the objective of the meeting	Mrs. S.K.K.Ranasinghe – Program Coordinator/CEAA
10.20 - 10.25	Introduction of resettlement planning , mitigation of negative impact, and public participation	By Mr. D.P. Adikari – RP Consultant/CEAA
10.25 - 10 .35	Project impact on women and need for women participation in mitigation adverse impact caused by development projects	By Mr. Mr. Saranga Gajasingha Environmental Specialist/CEAA
10.35- 12.10	Open Discussion - Problems /Proposals Views & comments of participants	Participants
12.10- 12.15	Vote of thanks / Conclusion	Mr. W.L.S.B.Perera -Supervisor
12.15 - 12.30	Refreshments	By CEAA

The Minutes of the Focus Group Meeting for women at Wadullawatta held on 11/06/2013

Attended (Officials)

1. Mr. D.P Adikari	RP Consultant
2. Mr. Saranga Gajasingha	Environmental Specialist
3. Mrs.S.K.K. Ranasinghe	Project Coordinator
4.Mr. Bernard Perera	Supervisor
5. Mr.R.T.Wijenayaka	Grama Niladari (Wadullawatta)

The Agenda of the day & the List of Participants are annexed.

The meeting was started around 10.05 am.

Mr. R.T.Wijenayaka, GN of wadullawatta welcomed all participants. He stated that RDA is making great care to mitigate adverse impact of the project and is in the process of developing a resettlement plan with the participation of all stakeholders, including the affected persons of the area. He requested support of all participants through active participation and communication their views and ideas freely as inputs for resettlement planning.

Mrs. S.K.K Ranasinghe, program coordinator of CEAA briefed the audience on objective of the meeting. As stated by her, women is a specific group necessary to participate in the exercise of making a resettlement plan to overcome adverse impact of the land acquisition caused by the project. As experiences show, most of the hardships and inconveniences caused by the project will fall on women and add to the already overload work of them as housewives, mothers of children and family caregivers. Women are the persons living in the disturbed environment for the most part of the day as male population leave away from the environment, at least in the day time. This makes women are more knowledgeable about the area, and become worthwhile resources persons to express their views, judgments and opinions for mitigation plans. RDA wishes to use these resources to have a better plan for APs in the area.

Mr. D.P.Adikari, Resettlement consultant briefed about the resettlement policy and procedures adopted in the country in line with international standards and RDA's efforts taken to prepare a reasonable and acceptable plan to mitigate all ill effects caused by the project for the people living in the area. According to him, this plan is prepared with the participation of all stakeholders, especially the affected persons, including all segments of them. For resettlement planning, women are very important as they have good knowledge about the area and the need of people, and importantly they care for others and have more humanitarian values.

Mr. Saranga Gajasinghe, Environment Consultant of CEAA briefed about environmental issues causing hardships and inconveniences and ways and means of handling them to avoid their harsh impact. In this discussion, we shouldn't limit to the exiting situation only. As stated by him, we have to acquire necessary knowledge and skills to take challenges of the negative impact. If we are losing our present income source, we should change to a new source and acquire knowledge to engage with new situations. Resettlement offers many new opportunities; if we understand them and prepare, we will have a better life. Women are a better group to understand changing situations and adjust to such circumstances. This meeting may add many innovative inputs for resettlement planning.

Responses of women

Name	Response/issue
	Engage in a retail business. She has a three wheeler. If resettlement is made elsewhere with housing flats, she wants a ground floor house to keep her business going continuously. Upper floors are not suitable for her business
	Engaged in a retail business, & requested a place on ground floor
	Mrs. Chandrika sells vegetables to the families in Wadullawatta area ,using the space in front of her house. Also she wants to continue the same, so she wants a suitable place for her business.
	She conducts English tuition Classes . She has around 25 students . Class is still not registered. She wants to improve her knowledge also. She wants to continue her class after the resettlement.
	According to her knowledge the three wheel park at Wadullawatta may be affected & her husband has already registered as a Three Wheel driver at this Three Wheel Stand. If three wheel Stand is removed, they have to face many difficulties , including risk of losing income.
	A resident. Schools and the hospital are very close to their current resident places. Travelling expenses may increase if resettlement is going to be away. This increases travelling cost. . Hope to get very close place after the resettlement
	Same as above
	She sells fruits .Request is same as Leelawathie and Chandrika

		She makes paper bags. Request is same as Leelawathie & Chandrika
		She has lost her husband. Sells Beetle with borrowing money daily. She wishes financial assistance to continue her business after the resettlement, or she wants to facilities & knowledge to start new business.
		She Prepares flowers for the Hindu devotees. Her market place (Hindu Kovil) is near by her house. She wishes to get a place with water & Electricity facilities and it should be in walking distance because she can't afford travelling expenses
		She manufactures incense sticks. Especially she wish to get a place with space to make dry yard necessary for making incense sticks in the manufacturing process
		She has two three wheelers. She hopes to have parking space in new settlements
		She prepares and sells Incense powder(<i>Sambrani</i>)
		She cooks string hoppers for the neighbors. After the resettlement she may lose her business . She wants facilities to continue the employment
		Health clinics for mothers & children are very close to current resident places. She requested to arrange these facilities within the area of resettlement schemes
		It is very difficult to transfer children from a school to another school. Surrounding school should be ready to register their children without unnecessary cumbersome procedures
		She used to go to the clinic at Sedawatta because she is suffering from Diabetes .She requested a place close to the clinic facilities
		She is a widow. Has school going children. She wish to get a settlement close to these schools. (Maradana/ Dematagoda) . The traveling expenses are on the increase. She can't spend more money for travelling.
		They are not agreed to move to a transitional site. They wish to have a permanent place at once. So they want to know is the resettlement plan activate before the construction work commences

After the views and ideas of the affected persons Mr. Adikari , Mr.Saranga Gajasingha replied them. Further they said that. The government takes actions to minimize them by providing adequate resettlement assistance. government need to consider possible alternative solutions to mitigate adverse effects jointly through the consultation. This meeting is an attempt to reach consensus on the issues encountered by all of us.

Mrs. Ranasinghe thanked all participants attended for the meeting constructively to achieve the objectives of the meeting.

The meeting adjourned around 12.30 pm with refreshments.

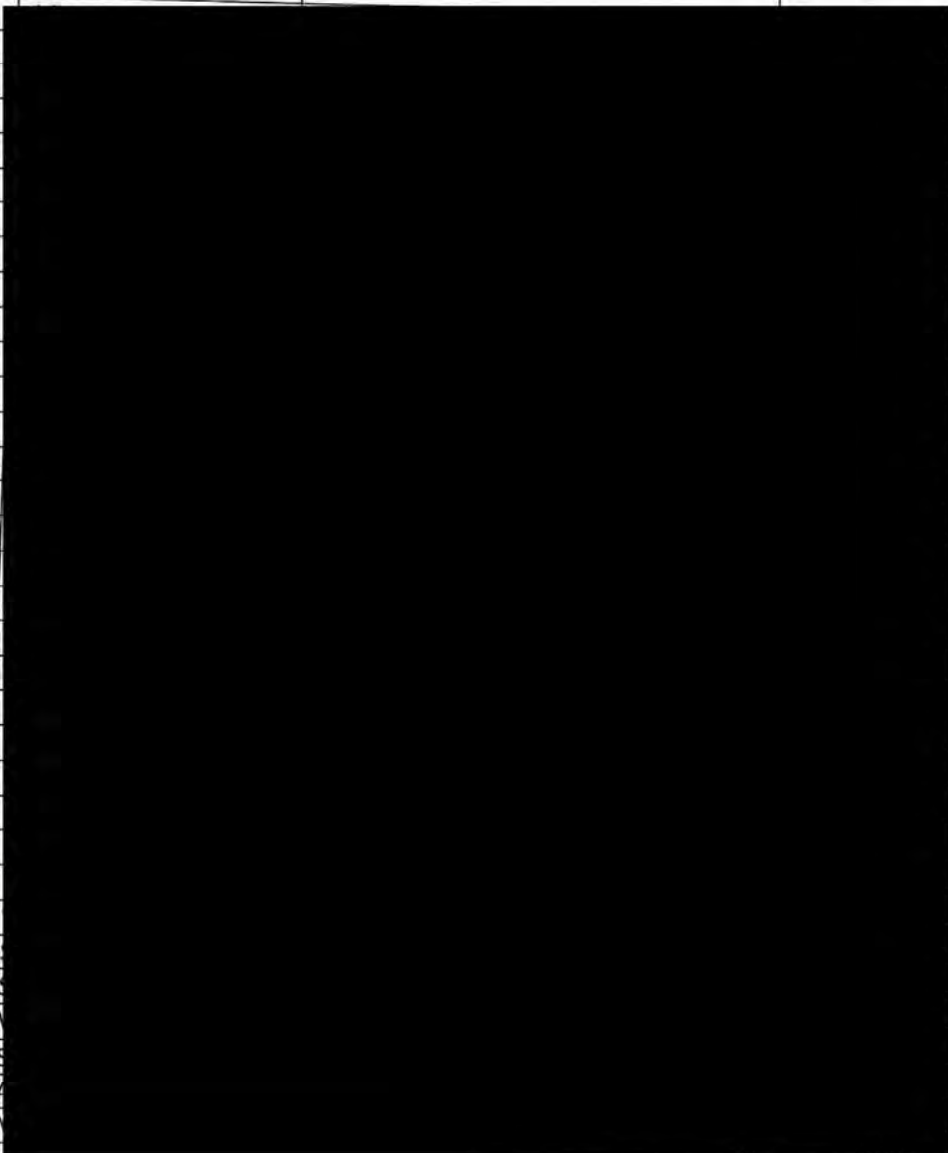
Focus Group Meeting for Women at Wadullawatta.

Date : 11/06/2013

Place : Community Hall at Wadullawatta

Time : 10.00a.m -01.00 p.m

The Attendance List

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PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE



The 2nd New Kelani Bridge is proposed to be built as an elevated bridge to the existing New Kelani bridge. This bridge will cross the Kelani River upstream of the present bridge, and connect the Colombo – Katunayake Expressway (E02), Colombo – Kandy road (A001), Peliyagoda – Puttalam road (A003), Baseline road and Colombo Port Access road.

Present situation

The existing 'New Kelani bridge' is located at the cross roads of Colombo – Kandy (A001) road, Peliyagoda – Puttalam (A003) road, Colombo – Katunayake Expressway (E02) and the Baseline Road. This bridge is one of main North South links across the Kelani River.

- Currently there is severe traffic congestion at Peliyagoda and Ingurukade Junctions at peak periods of the day.
- Colombo – Katunayake Expressway Project and Colombo Port Expansion Project are major development projects around the existing New Kelani bridge. After completion of these projects, traffic will significantly increase and New Kelani bridge will become a bottleneck for traffic.
- Therefore, a new bridge is urgently needed to relieve traffic loading on the existing bridge ensuring reliability and the safety of road users. Road Development Authority (RDA) has proposed to build a 'Second New Kelani Bridge' as an elevated bridge to the existing New Kelani Bridge upstream of the river. This bridge will reduce the traffic congestion at the city entrance providing a fast and reliable access while extending the lifespan of the existing New Kelani Bridge as well.



Compensation for the affected persons

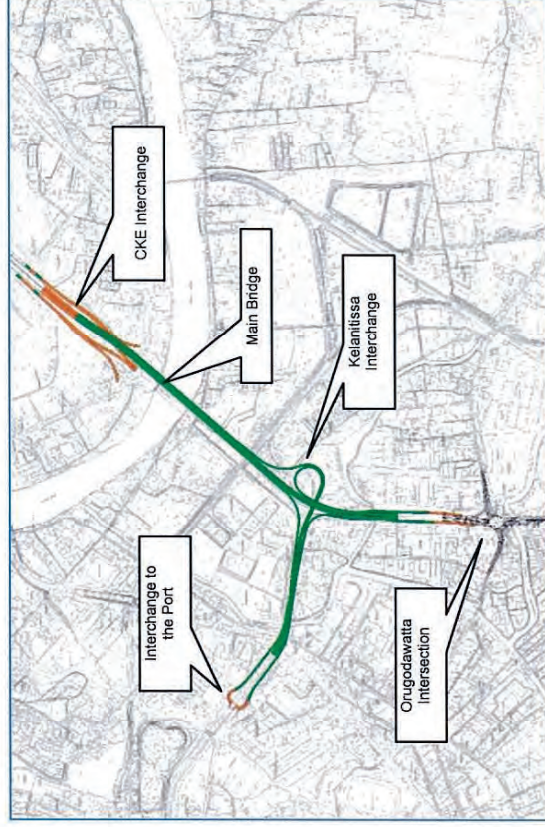
All affected persons will be compensated based on Land acquisition act, its regulations and policies of the government in this regard.

For any assistance or clarification please contact:

For further information on the proposed development project you could contact Director, Deputy Directors or Resettlement Officer of Environmental and Social Development Division of RDA and the Chief Engineer, Colombo Region of the RDA

Address: Director, Environment and Social Development Division, Road Development Authority "Sethsiripaya", Battaramulla.	Chief Engineer, Colombo Region, No 05, Manthre Place, Park Road, Colombo 05
T.P. No: 011-2862443, E. Mail: esd.rda@gmail.com	T.P. No: 011- 2590744

Date: 8/4/2013



Objectives of the project

Broad Objective of the project is to provide efficient and safe connectivity between Colombo Katunayake Expressway (CKE), Colombo Kandy Road, Peliyagoda Puttalam road, Colombo port and Baseline road while preserving the nature and to assist the needs of the growing economy.

Specific Objectives:

- To construct a new bridge of six lanes on the upstream of the existing Kelani bridge, elevated viaducts and interchanges to connect CKE, Colombo Port and Baseline road.
- To avoid extra loading on the existing new Kelani bridge and increase the durability of the bridge.
- To increase the transportation efficiency within Colombo city.

Key features of the project

Description	Details
Starting point	Peliyagoda Palama Junction (Starting point of the Colombo – Katunayake Expressway)
End points	Orugodawatta Junction and Ingurukade Junction
Total length of bridge	Approximate length of the main bridge is 415 m.
Number of lanes	The number of lanes of the main line from CKE to Kelanitissa interchange is 6 lanes, from Kelanitissa interchange to Orugodawatta interchange is 4 lanes and Port access road (Ingurukade Junction) is 4 lanes.
Affected Secretariat Divisions (D S Divisions)	Colombo D S Division, Kollonnawa D S Division and Kelaniya D S Division.

Mitigation of adverse environmental and social impacts

Project related land acquisition may cause adverse environmental and social impacts, and it is necessary to address them with adequate mitigation measures mainly in line with Land Acquisition Act, National Involuntary Resettlement Policy and National Environment Act. The aim of this approach is to assure that affected people of the project will be protected from ill effects of this development.

Identifying the affected persons (APs)

- Socio Economic Survey and an Inventory of Loss (IOL) Survey will be conducted to identify the socio-economic profiles of APs including whether they hold titles to the lands they occupy.
- A Resettlement Plan will be prepared based on above information.

Appendix 4(1)

	Serial no.	HH name	Employment	GN	DS	District
Wadullawatta						
1.			6	Wadulla	Kolonnawa	Colombo
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210.		6	Wadulla	Kolonnawa	Colombo
211.		4	Wadulla	Kolonnawa	Colombo
212.		8	Wadulla	Kolonnawa	Colombo
213.		4	Wadulla	Kolonnawa	Colombo
214.		10	Wadulla	Kolonnawa	Colombo
215.		10	Wadulla	Kolonnawa	Colombo
216.		4	Wadulla	Kolonnawa	Colombo
217.		4	Wadulla	Kolonnawa	Colombo
218.		10	Wadulla	Kolonnawa	Colombo
219.		6	Wadulla	Kolonnawa	Colombo
220.		2	Wadulla	Kolonnawa	Colombo
221.		2	Wadulla	Kolonnawa	Colombo
222.		7	Wadulla	Kolonnawa	Colombo
223.		6	Wadulla	Kolonnawa	Colombo
224.		6	Wadulla	Kolonnawa	Colombo
225.		4	Wadulla	Kolonnawa	Colombo
226.		7	Wadulla	Kolonnawa	Colombo
227.		7	Wadulla	Kolonnawa	Colombo
228.		4	Wadulla	Kolonnawa	Colombo
229.		4	Wadulla	Kolonnawa	Colombo
230.		4	Wadulla	Kolonnawa	Colombo
231.		7	Wadulla	Kolonnawa	Colombo
232.		4	Wadulla	Kolonnawa	Colombo
233.		4	Wadulla	Kolonnawa	Colombo
234.		8	Wadulla	Kolonnawa	Colombo
235.		6	Wadulla	Kolonnawa	Colombo
236.		3	Wadulla	Kolonnawa	Colombo
237.		2	Wadulla	Kolonnawa	Colombo
238.		8	Wadulla	Kolonnawa	Colombo
239.		6	Wadulla	Kolonnawa	Colombo
240.		6	Wadulla	Kolonnawa	Colombo
Sedawatta					
241.		8	Sedawatta	Kolonnawa	Colombo
242.		7	Sedawatta	Kolonnawa	Colombo
243.		8	Sedawatta	Kolonnawa	Colombo
244.		4	Sedawatta	Kolonnawa	Colombo
245.		4	Sedawatta	Kolonnawa	Colombo
246.		4	Sedawatta	Kolonnawa	Colombo
247.		7	Sedawatta	Kolonnawa	Colombo
248.		10	Sedawatta	Kolonnawa	Colombo

249.		6	Sedawatta	Kolonnawa	Colombo
250.		8	Sedawatta	Kolonnawa	Colombo
251.		6	Sedawatta	Kolonnawa	Colombo
252.		4	Sedawatta	Kolonnawa	Colombo
253.		8	Sedawatta	Kolonnawa	Colombo
254.		8	Sedawatta	Kolonnawa	Colombo
255.		10	Sedawatta	Kolonnawa	Colombo
256.		4	Sedawatta	Kolonnawa	Colombo
257.		2	Sedawatta	Kolonnawa	Colombo
258.		8	Sedawatta	Kolonnawa	Colombo
259.		6	Sedawatta	Kolonnawa	Colombo
260.		3	Sedawatta	Kolonnawa	Colombo
261.		4	Sedawatta	Kolonnawa	Colombo
262.		4	Sedawatta	Kolonnawa	Colombo
263.		4	Sedawatta	Kolonnawa	Colombo
264.		6	Sedawatta	Kolonnawa	Colombo
265.		8	Sedawatta	Kolonnawa	Colombo
266.		10	Sedawatta	Kolonnawa	Colombo
267.		4	Sedawatta	Kolonnawa	Colombo
268.		4	Sedawatta	Kolonnawa	Colombo
269.		6	Sedawatta	Kolonnawa	Colombo
270.		4	Sedawatta	Kolonnawa	Colombo
271.		8	Sedawatta	Kolonnawa	Colombo
272.		6	Sedawatta	Kolonnawa	Colombo
273.		10	Sedawatta	Kolonnawa	Colombo
274.		4	Sedawatta	Kolonnawa	Colombo
275.		8	Sedawatta	Kolonnawa	Colombo
276.		7	Sedawatta	Kolonnawa	Colombo
277.		4	Sedawatta	Kolonnawa	Colombo
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279.		3	Sedawatta	Kolonnawa	Colombo
280.		4	Sedawatta	Kolonnawa	Colombo
281.		4	Sedawatta	Kolonnawa	Colombo
282.		10	Sedawatta	Kolonnawa	Colombo
283.		4	Sedawatta	Kolonnawa	Colombo
284.		10	Sedawatta	Kolonnawa	Colombo
285.		6	Sedawatta	Kolonnawa	Colombo
286.		4	Sedawatta	Kolonnawa	Colombo
287.		6	Sedawatta	Kolonnawa	Colombo
288.		7	Sedawatta	Kolonnawa	Colombo
289.		6	Sedawatta	Kolonnawa	Colombo

290.		8	Sedawatta	Kolonnawa	Colombo
291.		6	Sedawatta	Kolonnawa	Colombo
292.		4	Sedawatta	Kolonnawa	Colombo
293.		10	Sedawatta	Kolonnawa	Colombo
294.		4	Sedawatta	Kolonnawa	Colombo
295.		6	Sedawatta	Kolonnawa	Colombo
296.		3	Sedawatta	Kolonnawa	Colombo
297.		2	Sedawatta	Kolonnawa	Colombo
298.		6	Sedawatta	Kolonnawa	Colombo
299.		2	Sedawatta	Kolonnawa	Colombo
300.		8	Sedawatta	Kolonnawa	Colombo
301.		4	Sedawatta	Kolonnawa	Colombo
302.		6	Sedawatta	Kolonnawa	Colombo
303.		6	Sedawatta	Kolonnawa	Colombo
304.		7	Sedawatta	Kolonnawa	Colombo
305.		8	Sedawatta	Kolonnawa	Colombo
306.		7	Sedawatta	Kolonnawa	Colombo
307.		8	Sedawatta	Kolonnawa	Colombo
308.		10	Sedawatta	Kolonnawa	Colombo
309.		8	Sedawatta	Kolonnawa	Colombo
310.		8	Sedawatta	Kolonnawa	Colombo
311.		4	Sedawatta	Kolonnawa	Colombo
312.		6	Sedawatta	Kolonnawa	Colombo
313.		4	Sedawatta	Kolonnawa	Colombo
314.		4	Sedawatta	Kolonnawa	Colombo
315.		7	Sedawatta	Kolonnawa	Colombo
316.		2	Sedawatta	Kolonnawa	Colombo
317.		6	Sedawatta	Kolonnawa	Colombo
318.		4	Sedawatta	Kolonnawa	Colombo
319.		3	Sedawatta	Kolonnawa	Colombo
320.		11	Sedawatta	Kolonnawa	Colombo
321.		8	Sedawatta	Kolonnawa	Colombo
322.		1	Sedawatta	Kolonnawa	Colombo
323.		6	Sedawatta	Kolonnawa	Colombo
324.		8	Sedawatta	Kolonnawa	Colombo
325.		4	Sedawatta	Kolonnawa	Colombo
326.		8	Sedawatta	Kolonnawa	Colombo
327.		4	Sedawatta	Kolonnawa	Colombo
328.		4	Sedawatta	Kolonnawa	Colombo

329.			10	Sedawatta	Kolonnawa	Colombo
330.			6	Sedawatta	Kolonnawa	Colombo
331.			11	Sedawatta	Kolonnawa	Colombo
332.			7	Sedawatta	Kolonnawa	Colombo
333.			11	Sedawatta	Kolonnawa	Colombo
Bluemendel						
334.			1	Bluemendel	Colombo	Colombo
335.			8	Bluemendel	Colombo	Colombo
336.			6	Bluemendel	Colombo	Colombo
337.			8	Bluemendel	Colombo	Colombo
338.			4	Bluemendel	Colombo	Colombo
339.			8	Bluemendel	Colombo	Colombo
340.			6	Bluemendel	Colombo	Colombo
341.			6	Bluemendel	Colombo	Colombo
342.			6	Bluemendel	Colombo	Colombo
343.			11	Bluemendel	Colombo	Colombo
344.			8	Bluemendel	Colombo	Colombo
345.			4	Bluemendel	Colombo	Colombo
346.			10	Bluemendel	Colombo	Colombo
347.			6	Bluemendel	Colombo	Colombo
348.			3	Bluemendel	Colombo	Colombo
349.			6	Bluemendel	Colombo	Colombo
350.			3	Bluemendel	Colombo	Colombo
351.			6	Bluemendel	Colombo	Colombo
352.			4	Bluemendel	Colombo	Colombo
353.			3	Bluemendel	Colombo	Colombo
354.			4	Bluemendel	Colombo	Colombo
355.			10	Bluemendel	Colombo	Colombo
356.			8	Bluemendel	Colombo	Colombo
357.			5	Bluemendel	Colombo	Colombo
358.			4	Bluemendel	Colombo	Colombo
359.			10	Bluemendel	Colombo	Colombo
360.			4	Bluemendel	Colombo	Colombo
361.			6	Bluemendel	Colombo	Colombo
362.			8	Bluemendel	Colombo	Colombo
363.			6	Bluemendel	Colombo	Colombo
364.			6	Bluemendel	Colombo	Colombo
365.			8	Bluemendel	Colombo	Colombo
366.			4	Bluemendel	Colombo	Colombo
Gangabada						
367.			3	Gangabada East	Kelaniya	Gampaha

368.			6	Gangabada East	Kelaniya	Gampaha
369.			3	Gangabada East	Kelaniya	Gampaha
370.			6	Gangabada East	Kelaniya	Gampaha
371.			7	Gangabada East	Kelaniya	Gampaha
372.			7	Gangabada East	Kelaniya	Gampaha
Orugodawatta						
373.			6	Orugodawatta	Kolonnawa	Colombo
374.			4	Orugodawatta	Kolonnawa	Colombo
375.			6	Orugodawatta	Kolonnawa	Colombo
376.			6	Orugodawatta	Kolonnawa	Colombo
377.			4	Orugodawatta	Kolonnawa	Colombo
378.			6	Orugodawatta	Kolonnawa	Colombo
379.			4	Orugodawatta	Kolonnawa	Colombo
380.			6	Orugodawatta	Kolonnawa	Colombo
381.			4	Orugodawatta	Kolonnawa	Colombo
Nawagampura						
382.			11	Nawagampura	Colombo	Colombo
383.			1	Nawagampura	Colombo	Colombo
384.			11	Nawagampura	Colombo	Colombo
385.			3	Nawagampura	Colombo	Colombo
386.			6	Nawagampura	Colombo	Colombo
387.			10	Nawagampura	Colombo	Colombo
388.			7	Nawagampura	Colombo	Colombo
389.			10	Nawagampura	Colombo	Colombo
390.			6	Nawagampura	Colombo	Colombo
391.			7	Nawagampura	Colombo	Colombo
392.			1	Nawagampura	Colombo	Colombo
393.			6	Nawagampura	Colombo	Colombo
394.			8	Nawagampura	Colombo	Colombo
395.			7	Nawagampura	Colombo	Colombo

The list of affected Business Owners

	Serial No	Name	Employment	GN	DS	District
Wadullawatta						
1.			12	Wadulla	Kolonnawa	Colombo
2.			12	Wadulla	Kolonnawa	Colombo
3.			6	Wadulla	Kolonnawa	Colombo
4.			12	Wadulla	Kolonnawa	Colombo
5.			12	Wadulla	Kolonnawa	Colombo
6.			12	Wadulla	Kolonnawa	Colombo
7.			12	Wadulla	Kolonnawa	Colombo
8.			1	Wadulla	Kolonnawa	Colombo
9.			12	Wadulla	Kolonnawa	Colombo
10.			6	Wadulla	Kolonnawa	Colombo
11.			12	Wadulla	Kolonnawa	Colombo
12.			7	Wadulla	Kolonnawa	Colombo
Sedawatta						
13.			12	Sedawatta	Kolonnawa	Colombo
14.			12	Sedawatta	Kolonnawa	Colombo
15.			12	Sedawatta	Kolonnawa	Colombo
16.			12	Sedawatta	Kolonnawa	Colombo
17.			12	Sedawatta	Kolonnawa	Colombo
18.			12	Sedawatta	Kolonnawa	Colombo
19.			12	Sedawatta	Kolonnawa	Colombo

20.		12	Sedawatta	Kolonnawa	Colombo
21.		12	Sedawatta	Kolonnawa	Colombo
22.					Colombo
		12	Sedawatta	Kolonnawa	
23.		12	Sedawatta	Kolonnawa	Colombo
24.					Colombo
		12	Sedawatta	Kolonnawa	
25.		12	Sedawatta	Kolonnawa	Colombo
26.		12	Sedawatta	Kolonnawa	Colombo
Nawagampura					
27.		12	Nawagampura	Colombo	Colombo
28.		12	Nawagampura	Colombo	Colombo
29.		12	Nawagampura	Colombo	Colombo
30.					Colombo
		12	Nawagampura	Colombo	
31.		12	Nawagampura	Colombo	Colombo
32.		12	Nawagampura	Colombo	Colombo
33.		12	Nawagampura	Colombo	Colombo
34.		12	Nawagampura	Colombo	Colombo
35.		12	Nawagampura	Colombo	Colombo
36.		12	Nawagampura	Colombo	Colombo
37.		12	Nawagampura	Colombo	Colombo
38.		12	Nawagampura	Colombo	Colombo
Grandpass					
39.			Granpass	Colombo	Colombo
		12			
40.		12	Granpass	Colombo	Colombo
41.		12	Granpass	Colombo	Colombo
42.		6	Granpass	Colombo	Colombo
43.		12	Granpass	Colombo	Colombo

Bluemandhal						
44.		12	Bluemendel	Colombo	Colombo	
45.		12	Bluemendel	Colombo	Colombo	
46.		12	Bluemendel	Colombo	Colombo	
47.		12	Bluemendel	Colombo	Colombo	
48.		12	Bluemendel	Colombo	Colombo	
49.		12	Bluemendel	Colombo	Colombo	
50.		12	Bluemendel	Colombo	Colombo	
51.		12	Bluemendel	Colombo	Colombo	
52.		12	Bluemendel	Colombo	Colombo	
53.		12	Bluemendel	Colombo	Colombo	
54.		12	Bluemendel	Colombo	Colombo	

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 089 WITH NEW COORDINATE.DWG , 2013-07-10



Original Drawing Size A3



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority



Oriental Consultants Co., Ltd.



Consulting Engineers &
Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

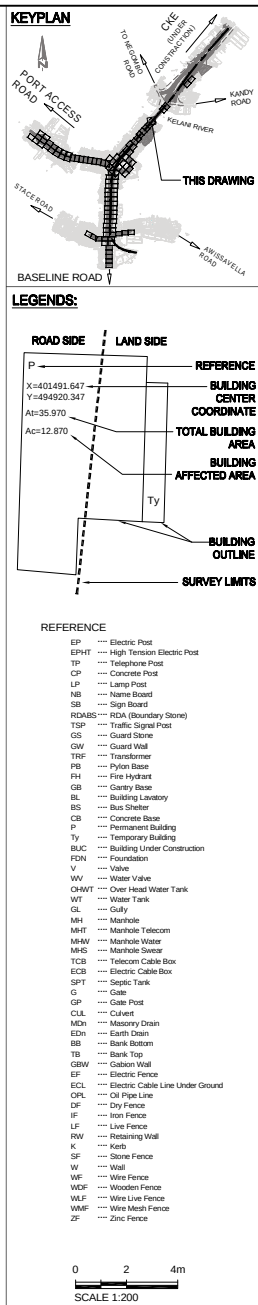
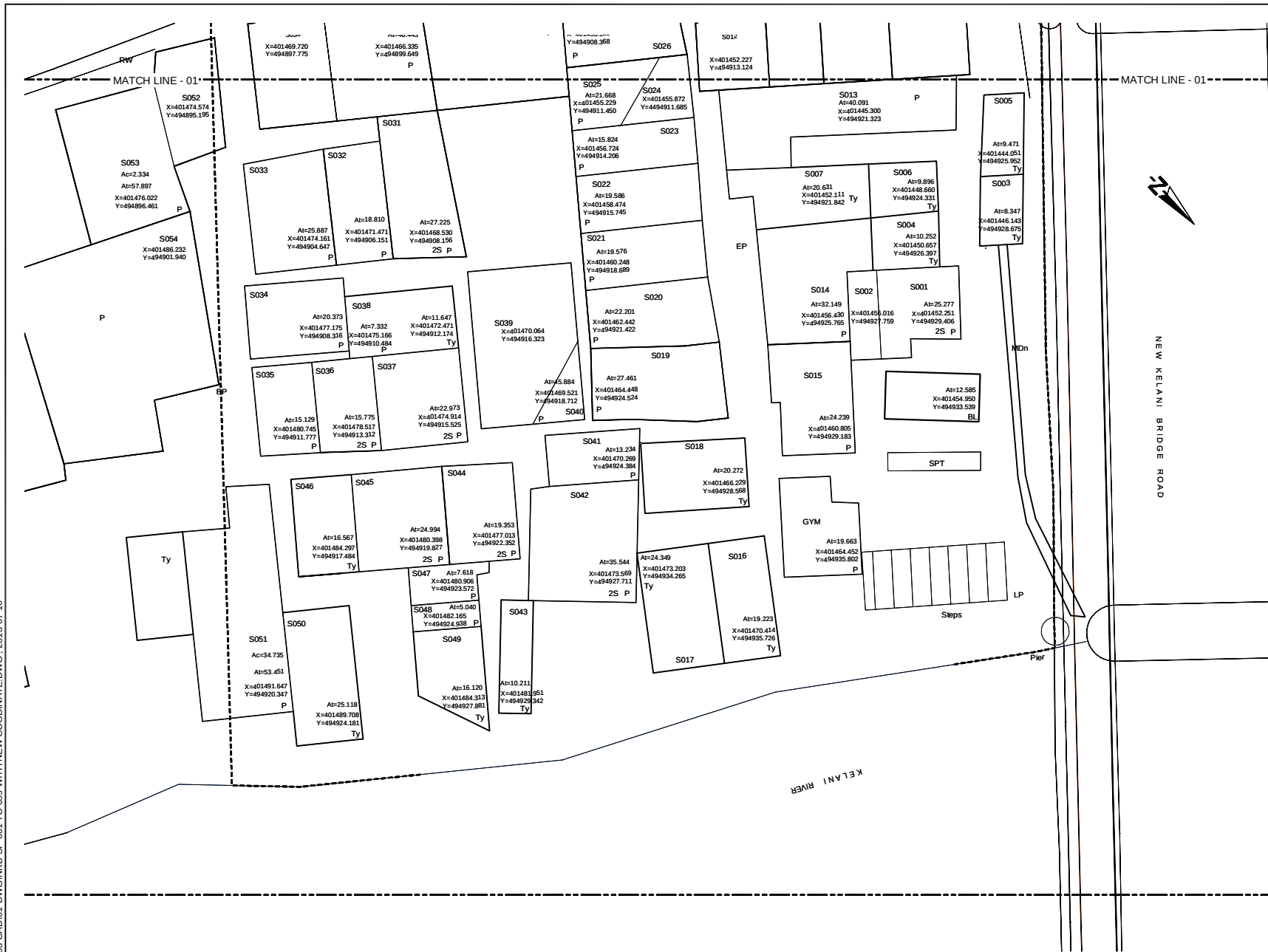
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

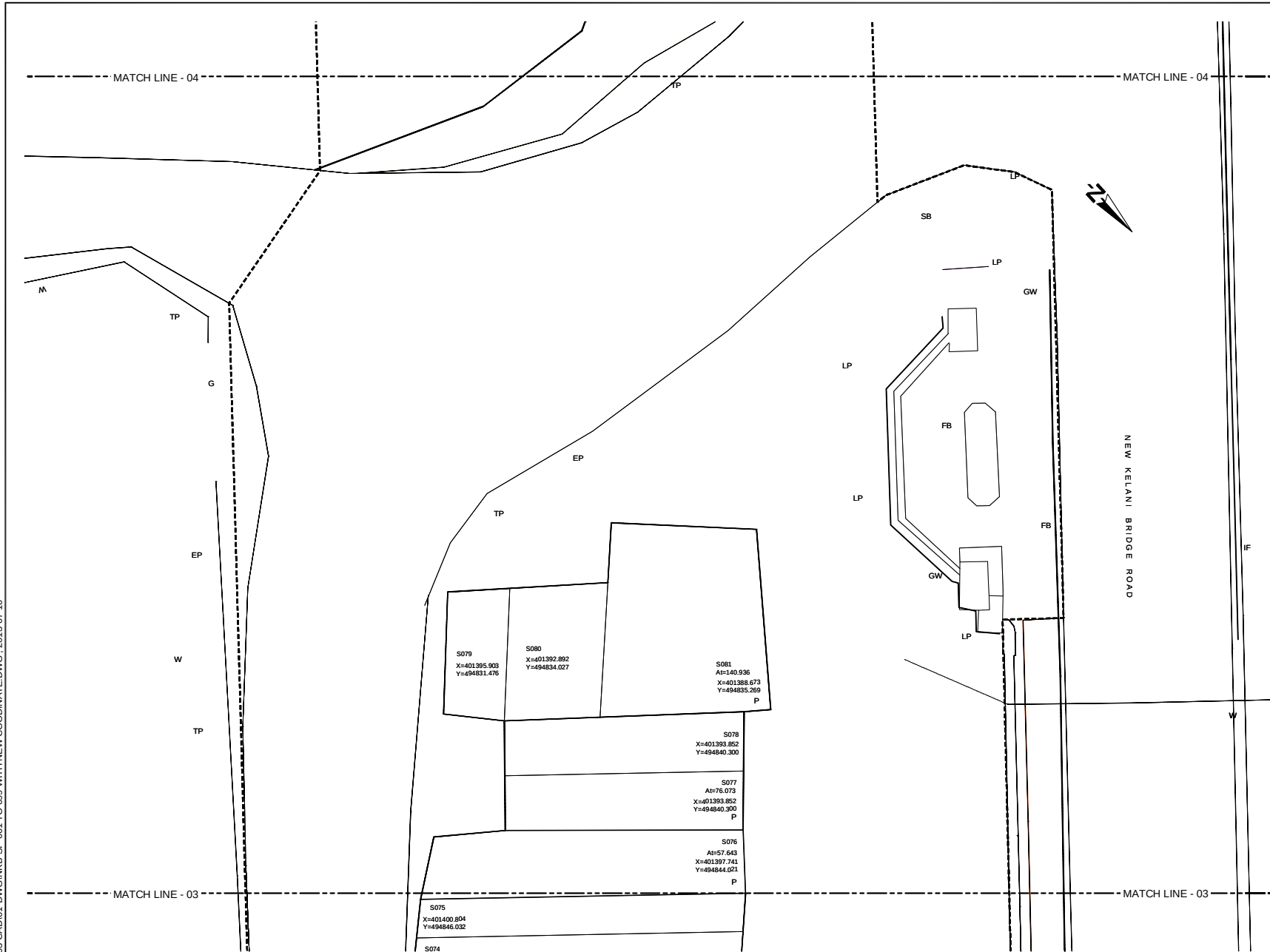
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NKB-SP-001

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KEYPLAN

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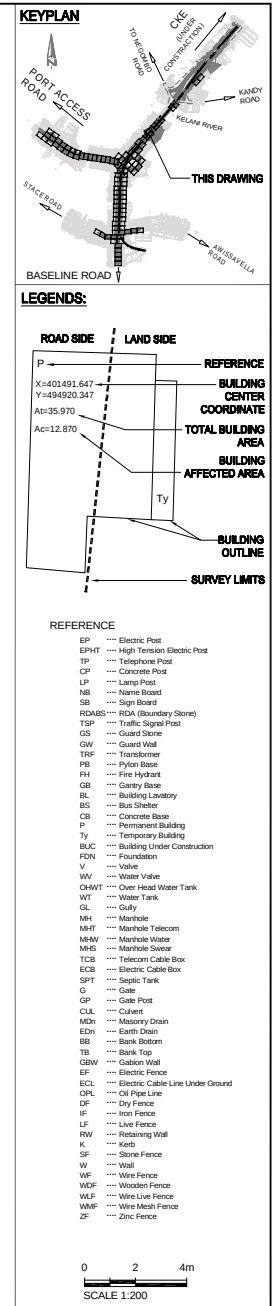
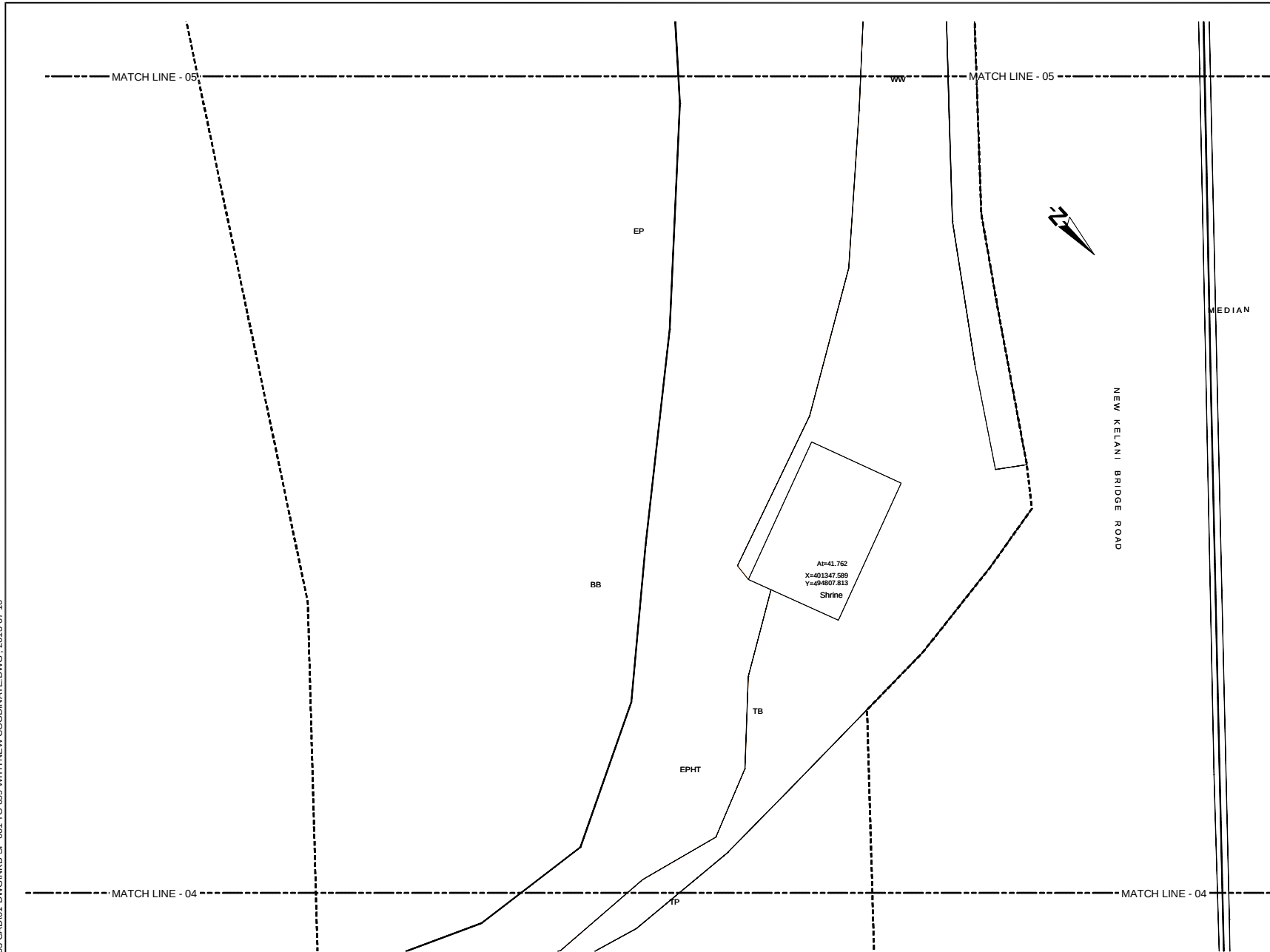
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P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WW	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

0 2 4m
SCALE 1:200

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Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

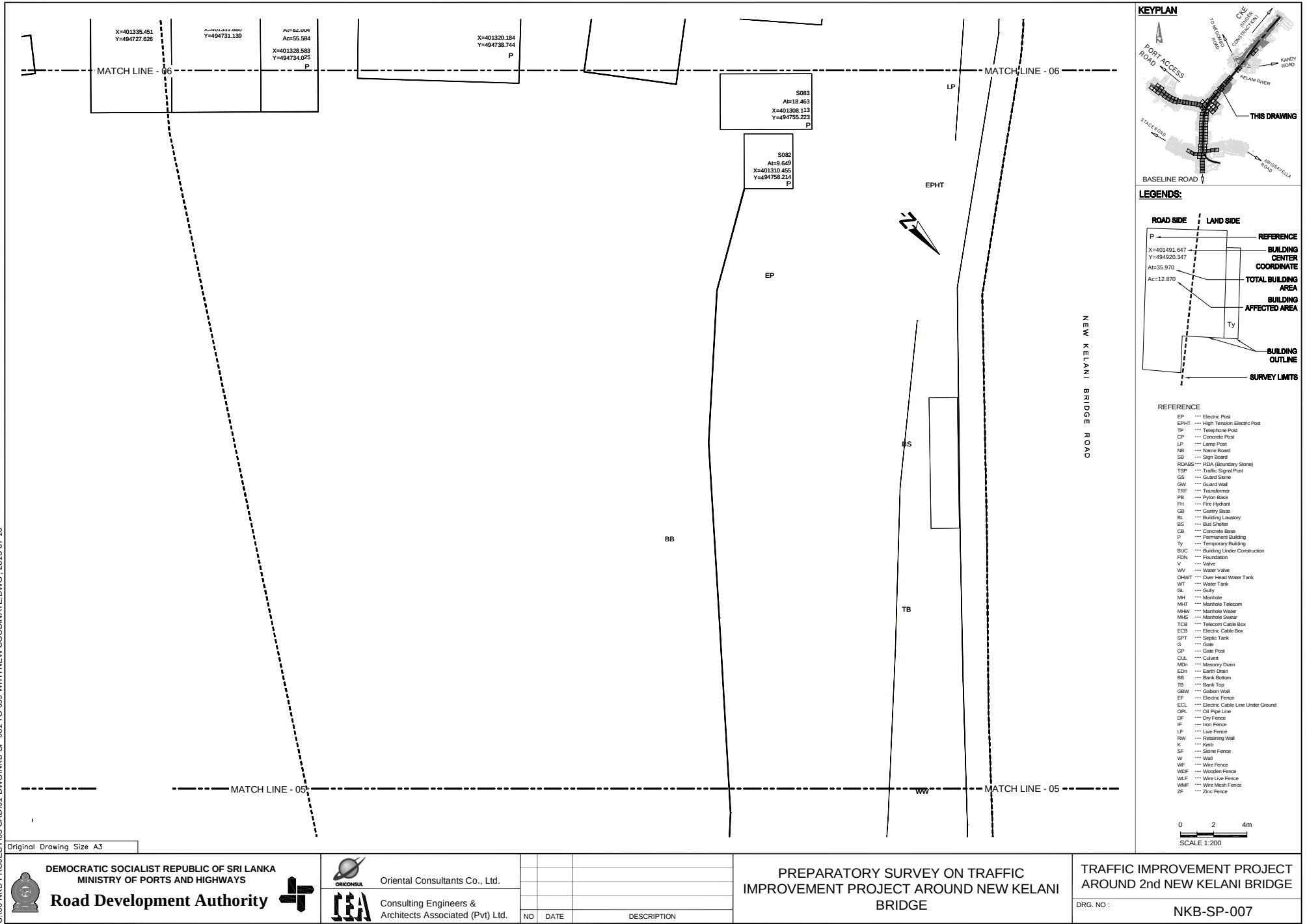
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-006**

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U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG, 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Lavatory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WW	Water Valve
OWMT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Keel
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

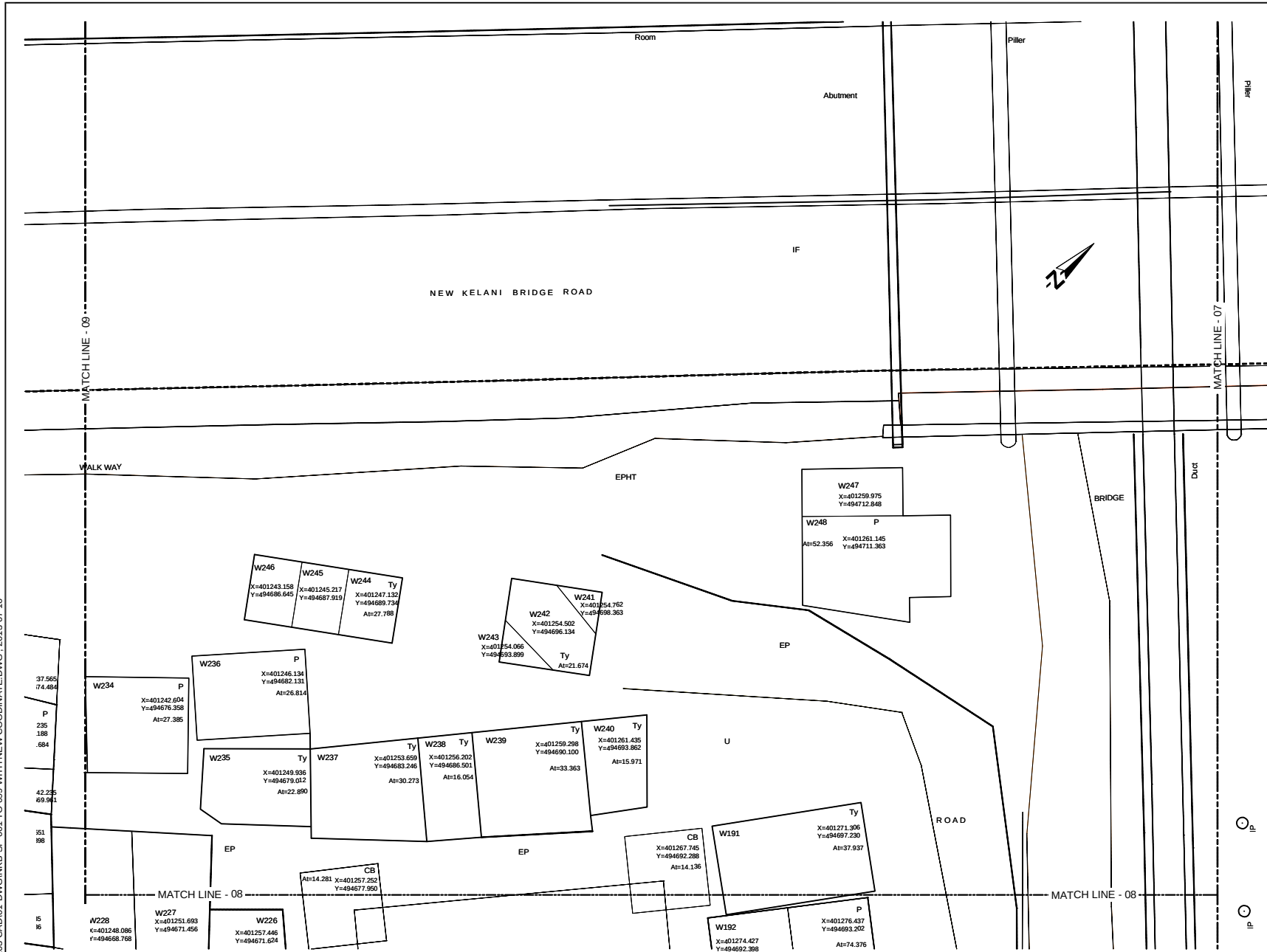
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-008**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
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GW	Guard Wall
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PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CLL	Culvert
MCH	Masonry Drain
EDH	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WDF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE		TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE	
		NO		DATE	
		DESCRIPTION		DRG. NO : NKB-SP-009	

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P	X=401491.647 Y=494920.347 At=35.970 Ac=12.870	BUILDING CENTER COORDINATE
Ty		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
PH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FON --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDN --- Masonry Drain
EDN --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WDF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Oriental Consultants Co., Ltd.

Consulting Engineers & Architects Associated (Pvt) Ltd.

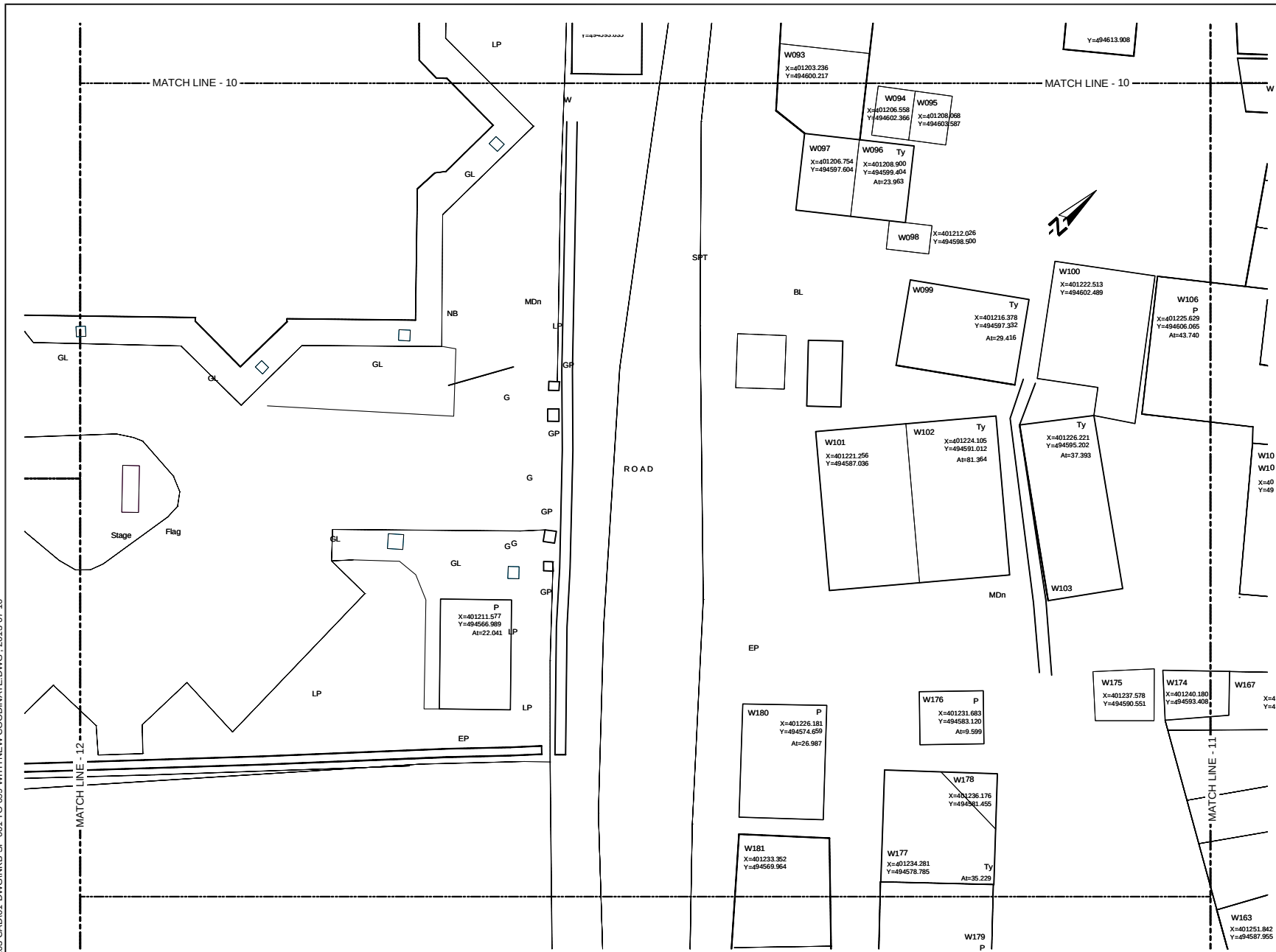
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : NKB-SP-010

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

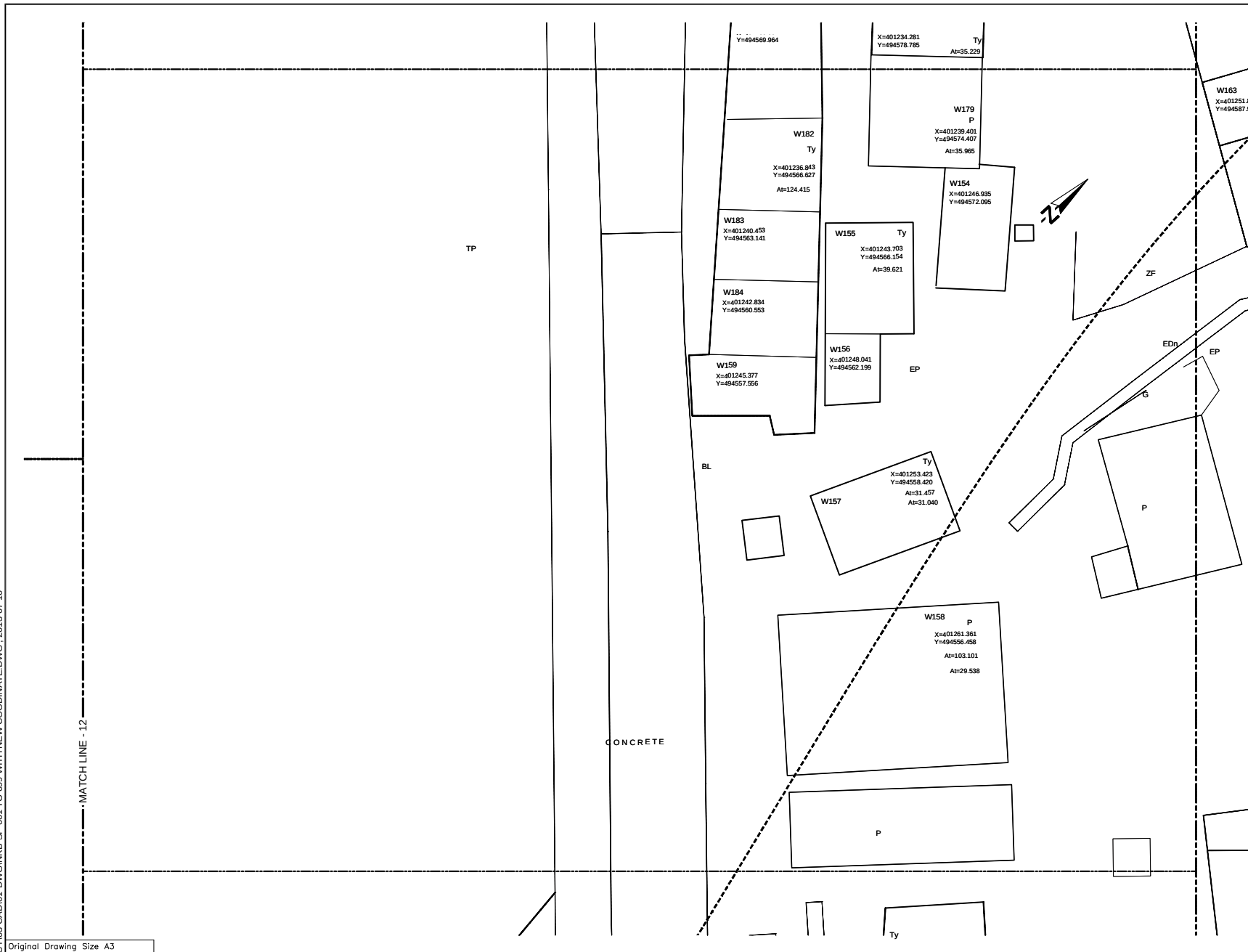
ROAD SIDE	LAND SIDE	REFERENCE
P	X=401491.647 Y=494920.347 At=35.970 Ac=12.870	BUILDING CENTER COORDINATE
		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RdA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MDN	Masonry Drain
EDN	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WDF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:
ROAD SIDE
P
X=401491.647
Y=494920.347
At=35.970
Ac=12.870
LAND SIDE
REFERENCE
BUILDING
CENTER
COORDINATE
TOTAL BUILDING
AREA
BUILDING
AFFECTED AREA
BUILDING
OUTLINE
SURVEY LIMITS

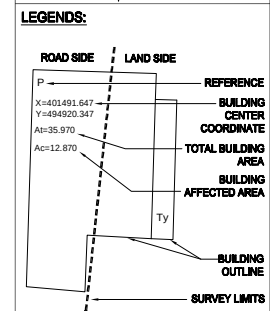
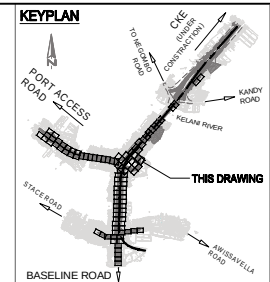
REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
OWMT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

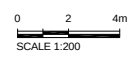
Original Drawing Size A3

			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE			TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE	
			NO			DRG. NO :	
			DATE			NKB-SP-015	
DESCRIPTION							

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Labyrinth
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

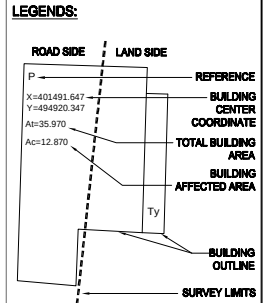
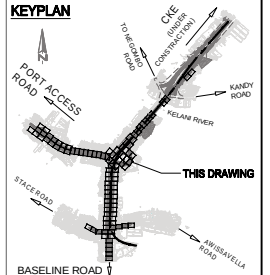
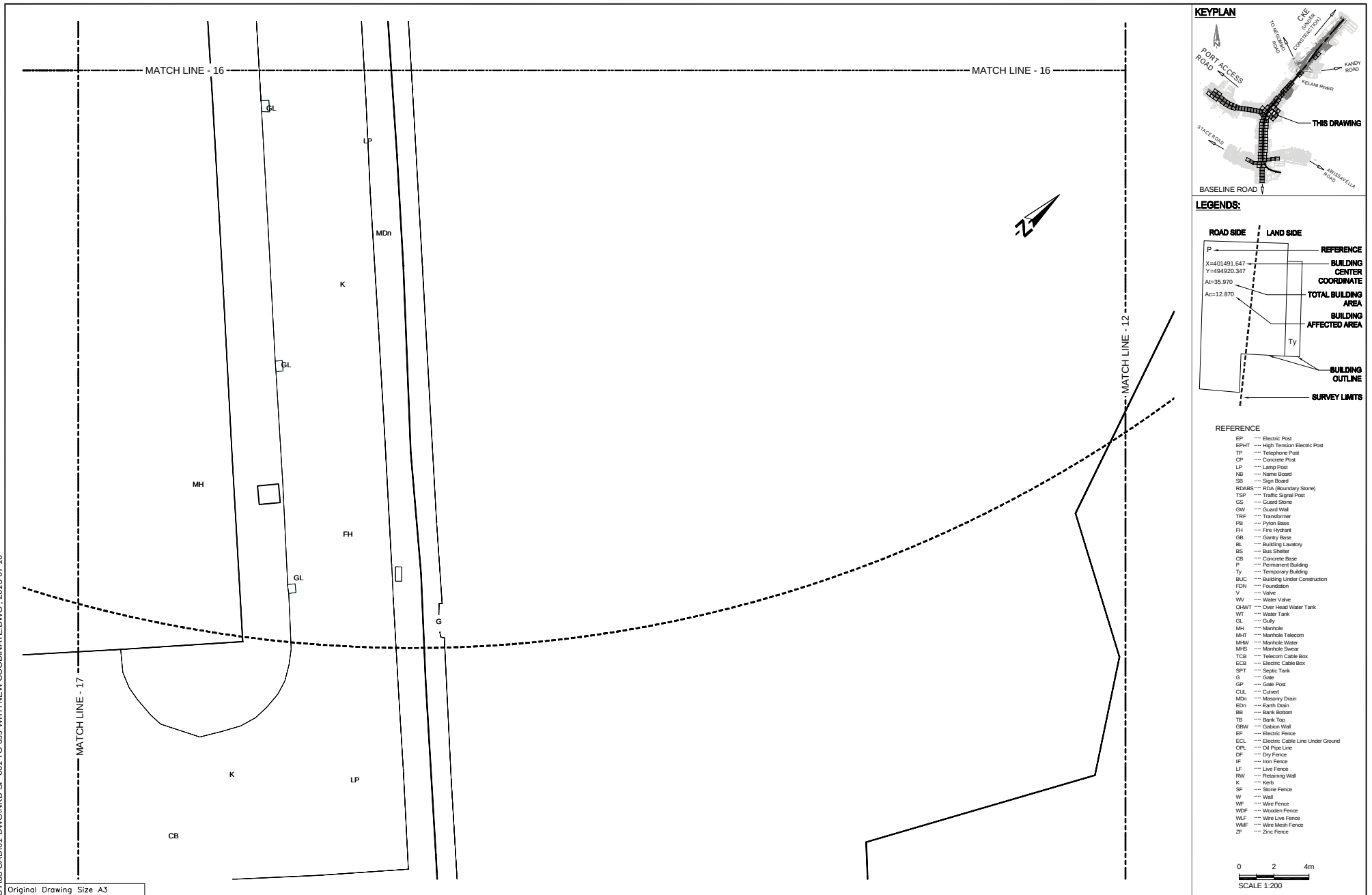
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

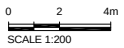
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-016**

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- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDABS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - FH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BU --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWMT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CL --- Culvert
 - MDn --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - OPL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

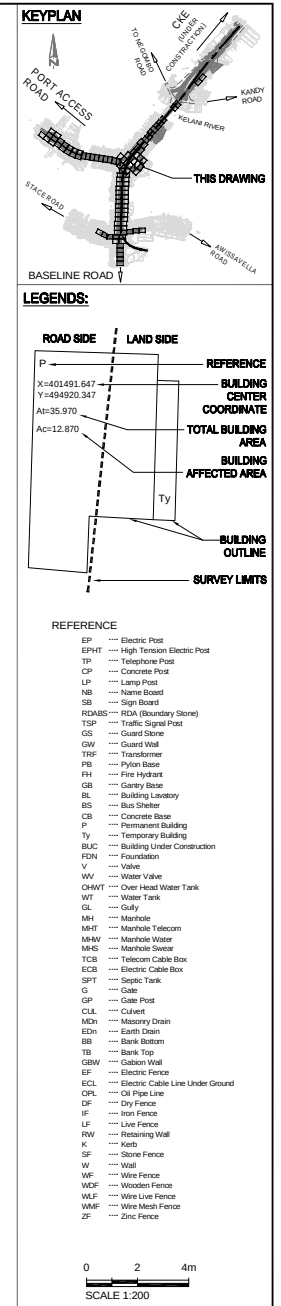
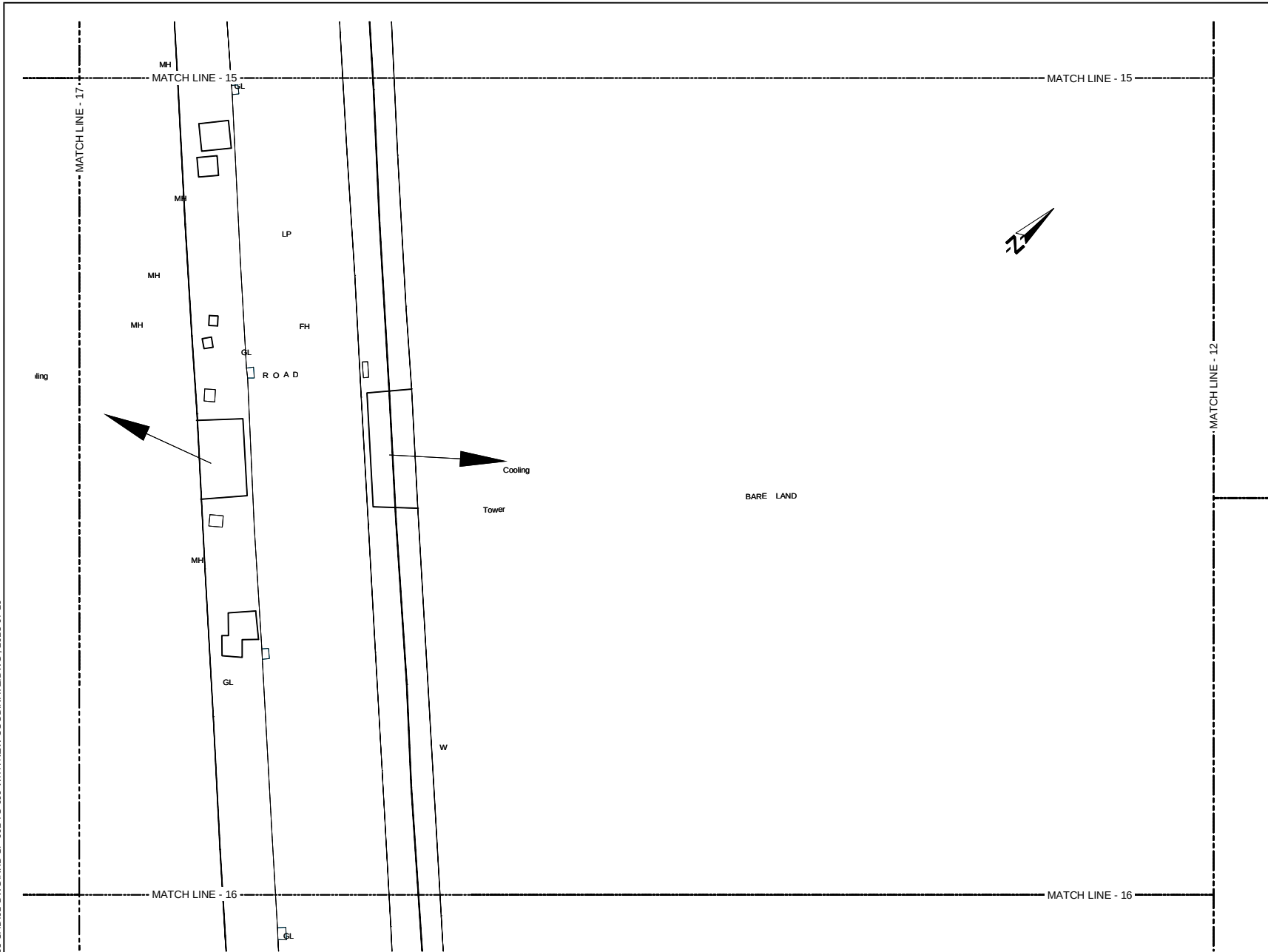
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-017**

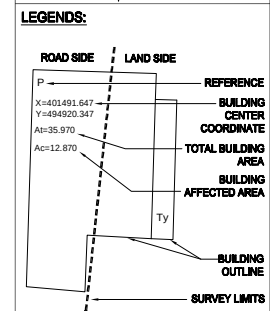
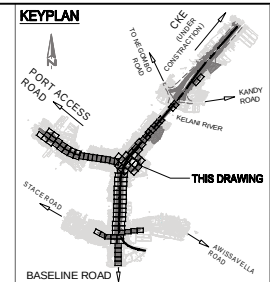
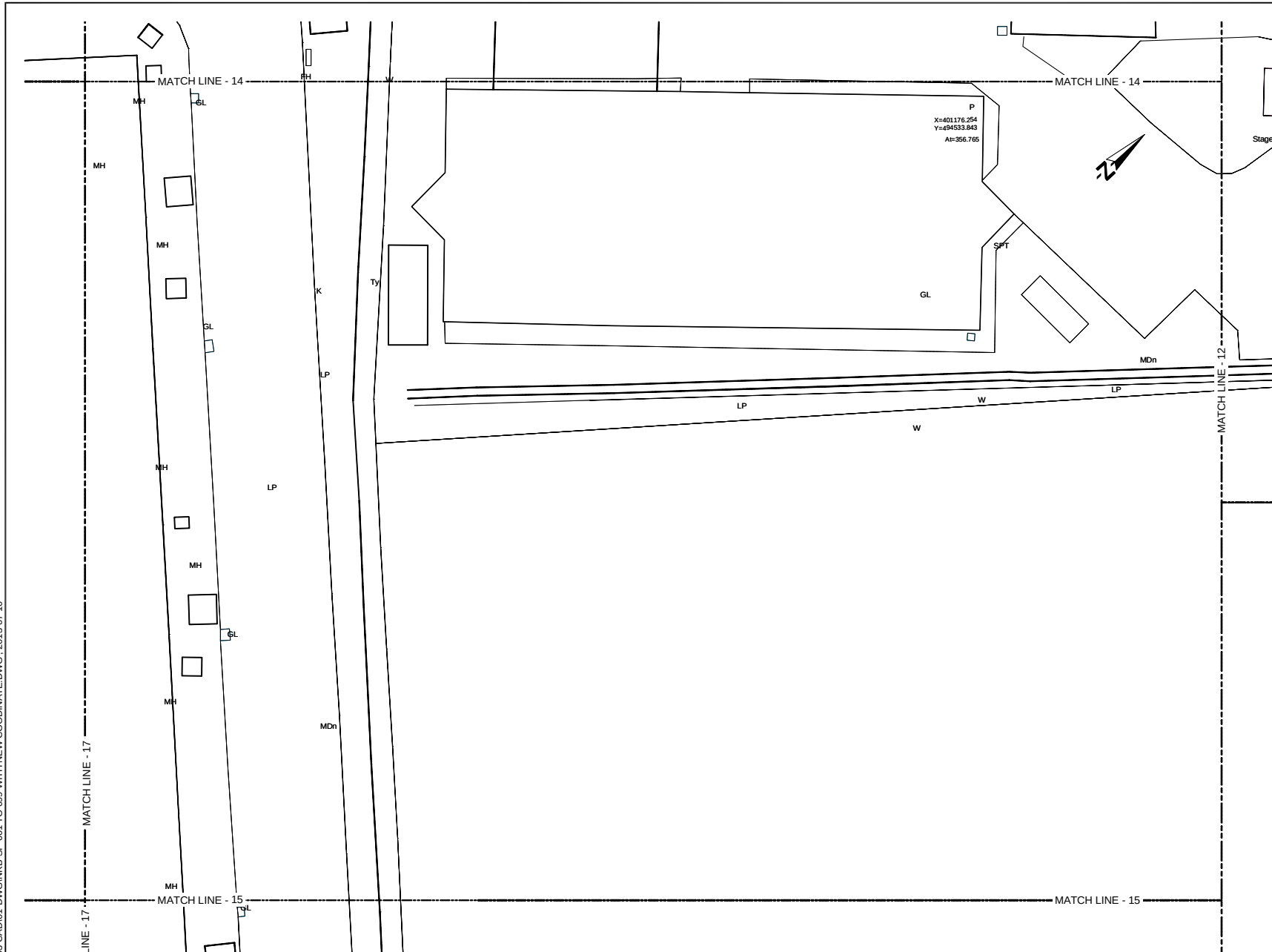
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 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.	NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MDn	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

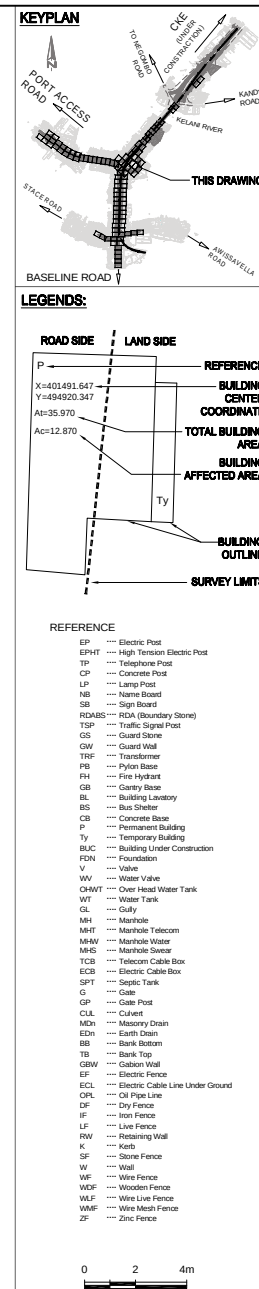
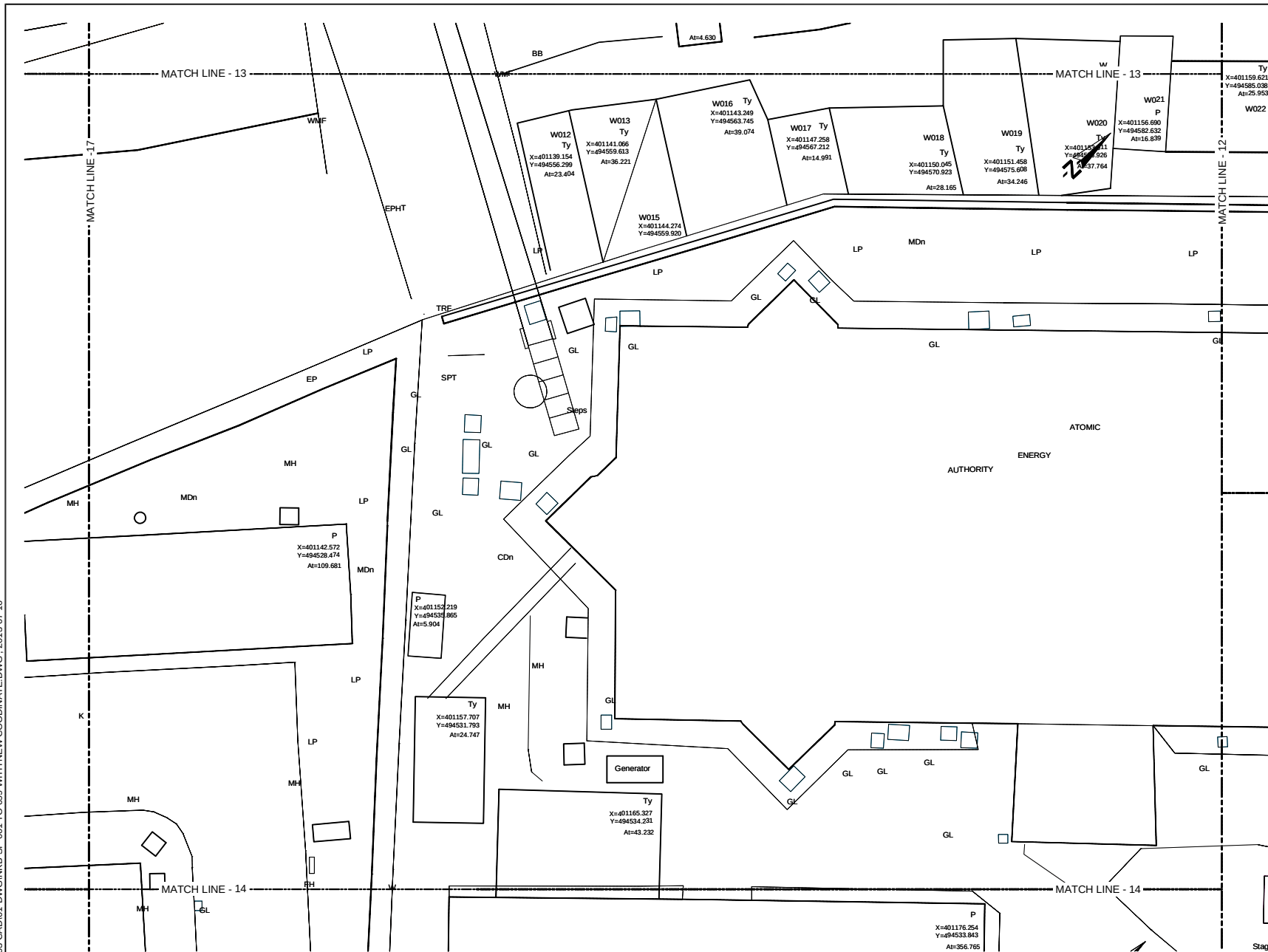
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

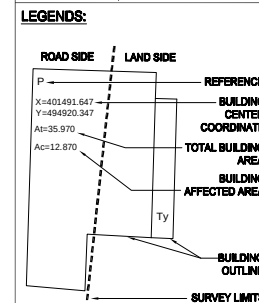
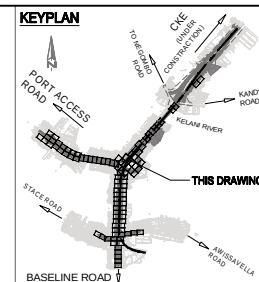
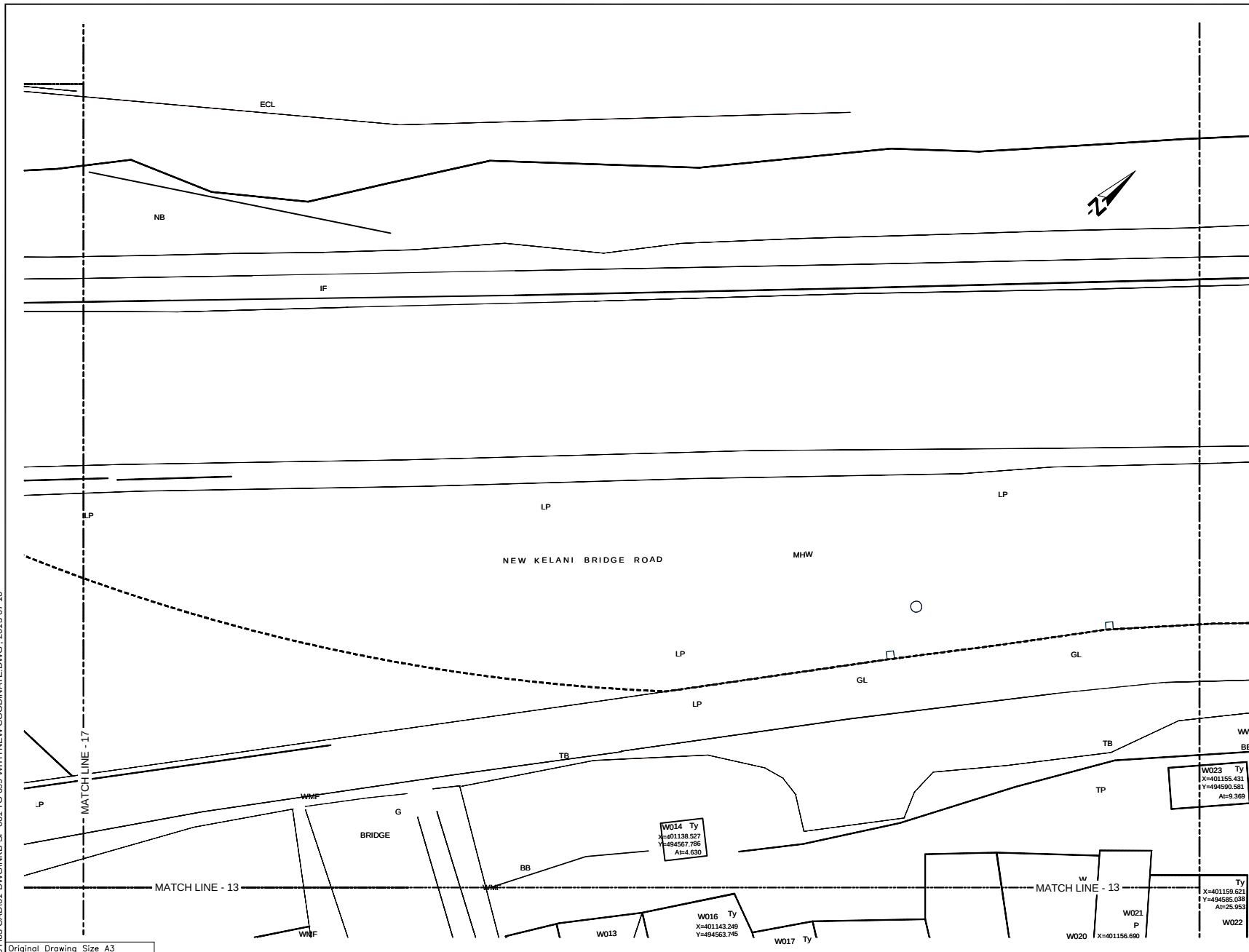
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 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.	NO		DATE	DESCRIPTION
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE					
TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE					
DRG. NO: NKB-SP-020					

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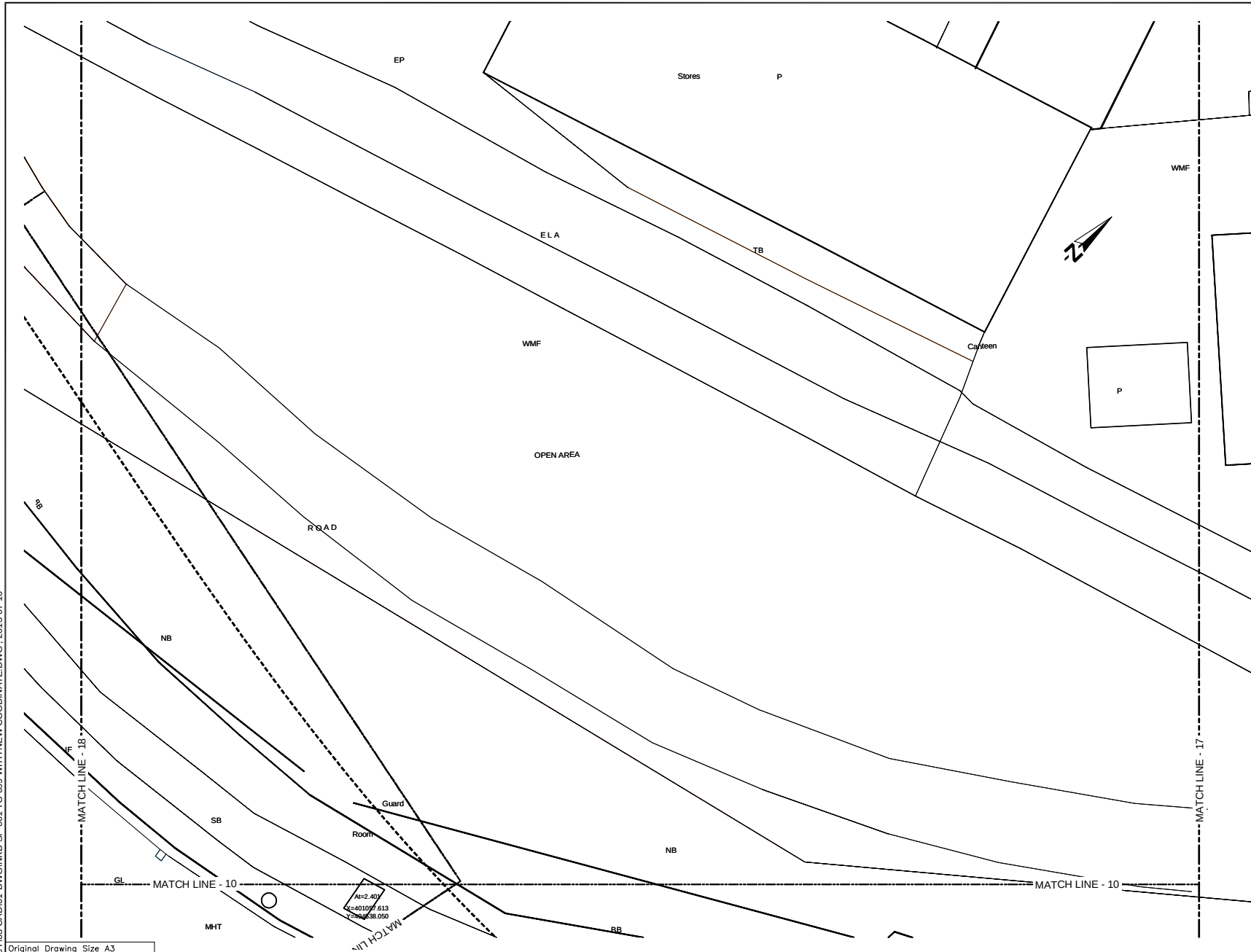


- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
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 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
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 - P --- Permanent Building
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 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WW --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CUL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
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 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WDF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence

0 2 4m
SCALE 1:200

NO	DATE	DESCRIPTION

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
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WOF	Wooden Fence
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WMF	Wire Mesh Fence
ZF	Zinc Fence

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KEYPLAN

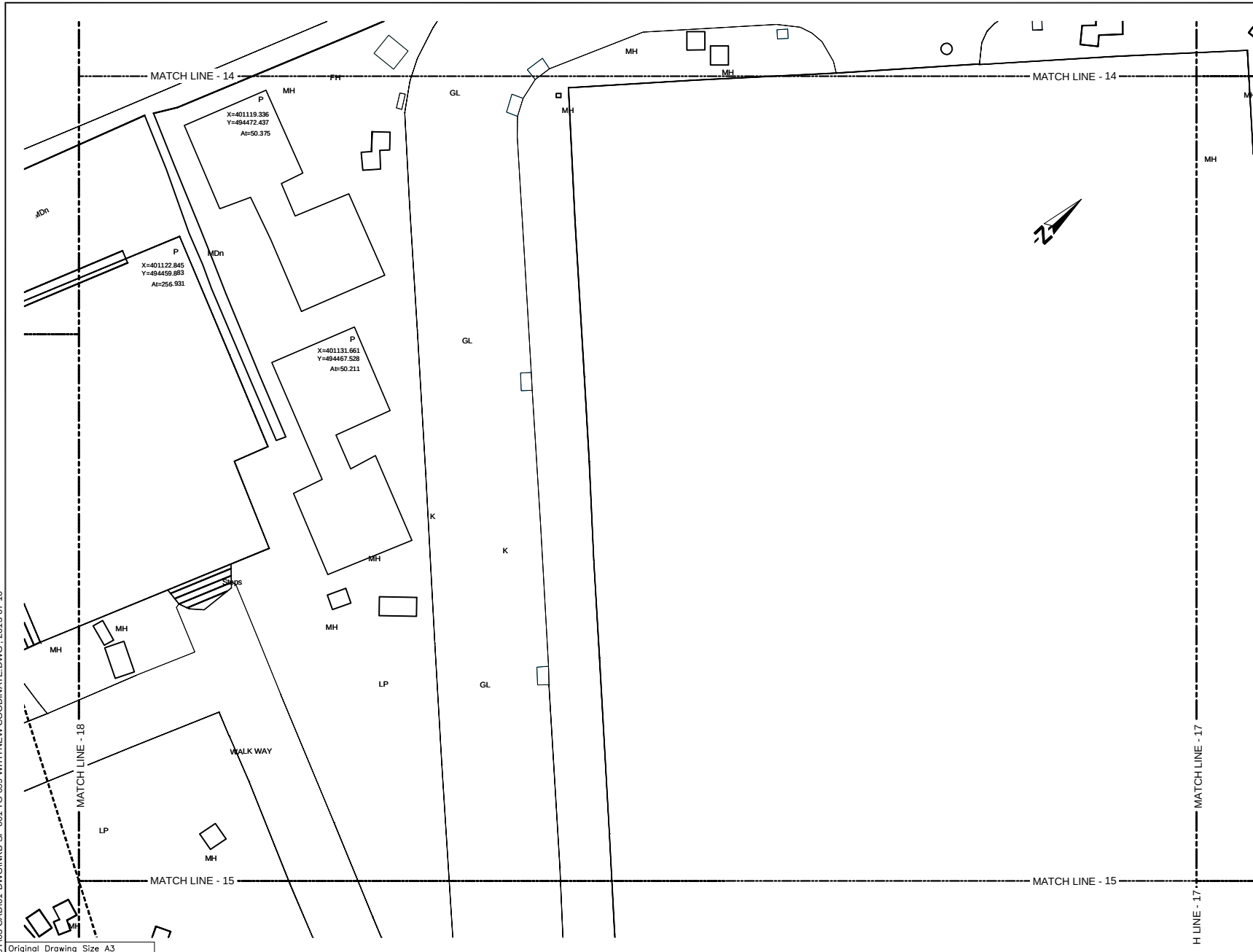
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
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GW --- Guard Wall
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MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
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LF --- Live Fence
RW --- Retaining Wall
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SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

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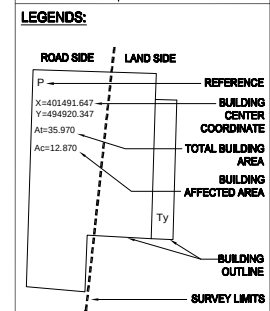
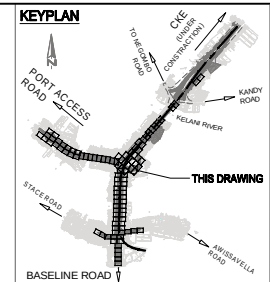
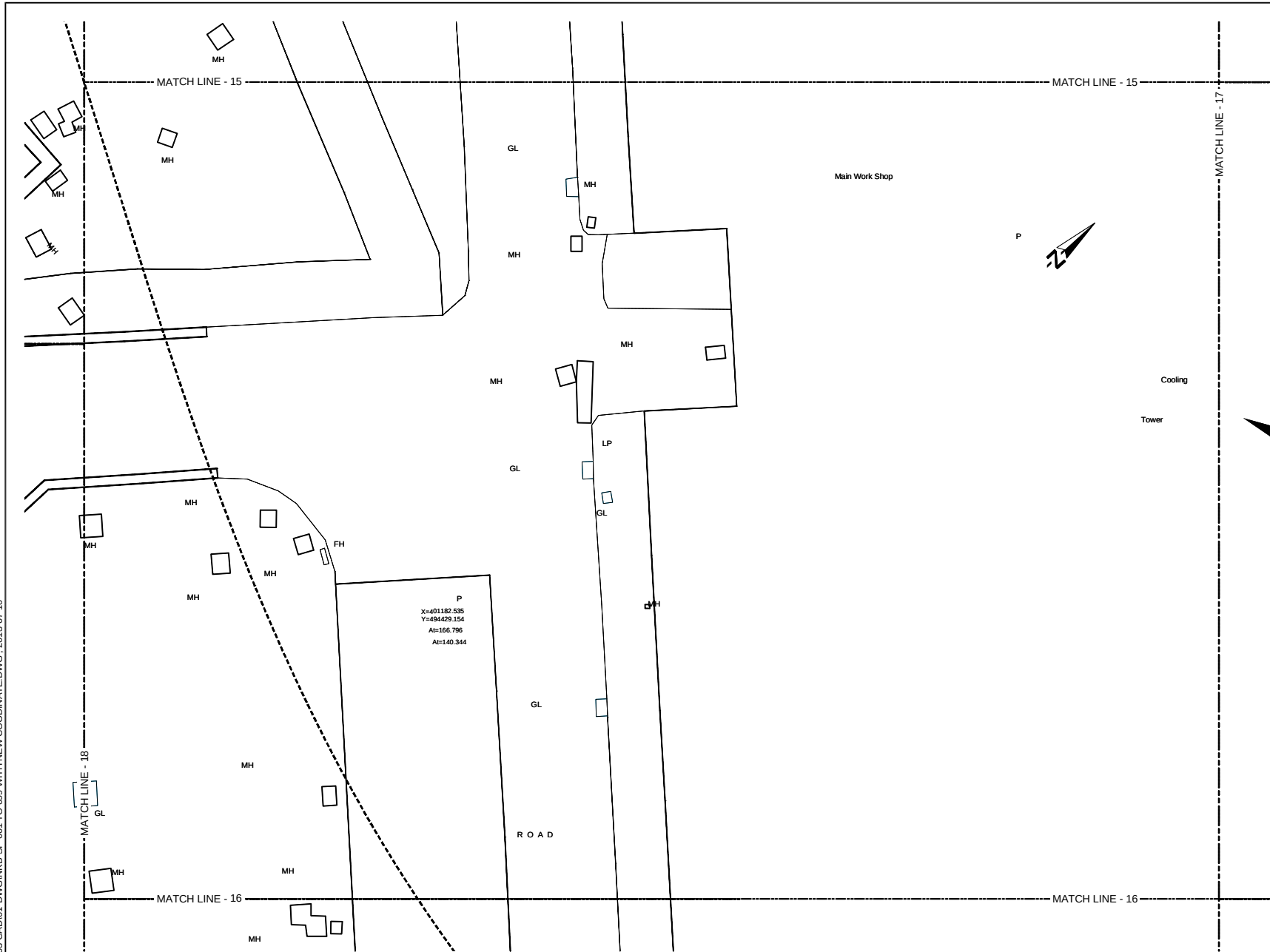
KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
	Ty	BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
ROADS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
PH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
PDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
ORL --- Oil Pipe Line
OF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WDF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
ZF --- Zinc Fence

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDABS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

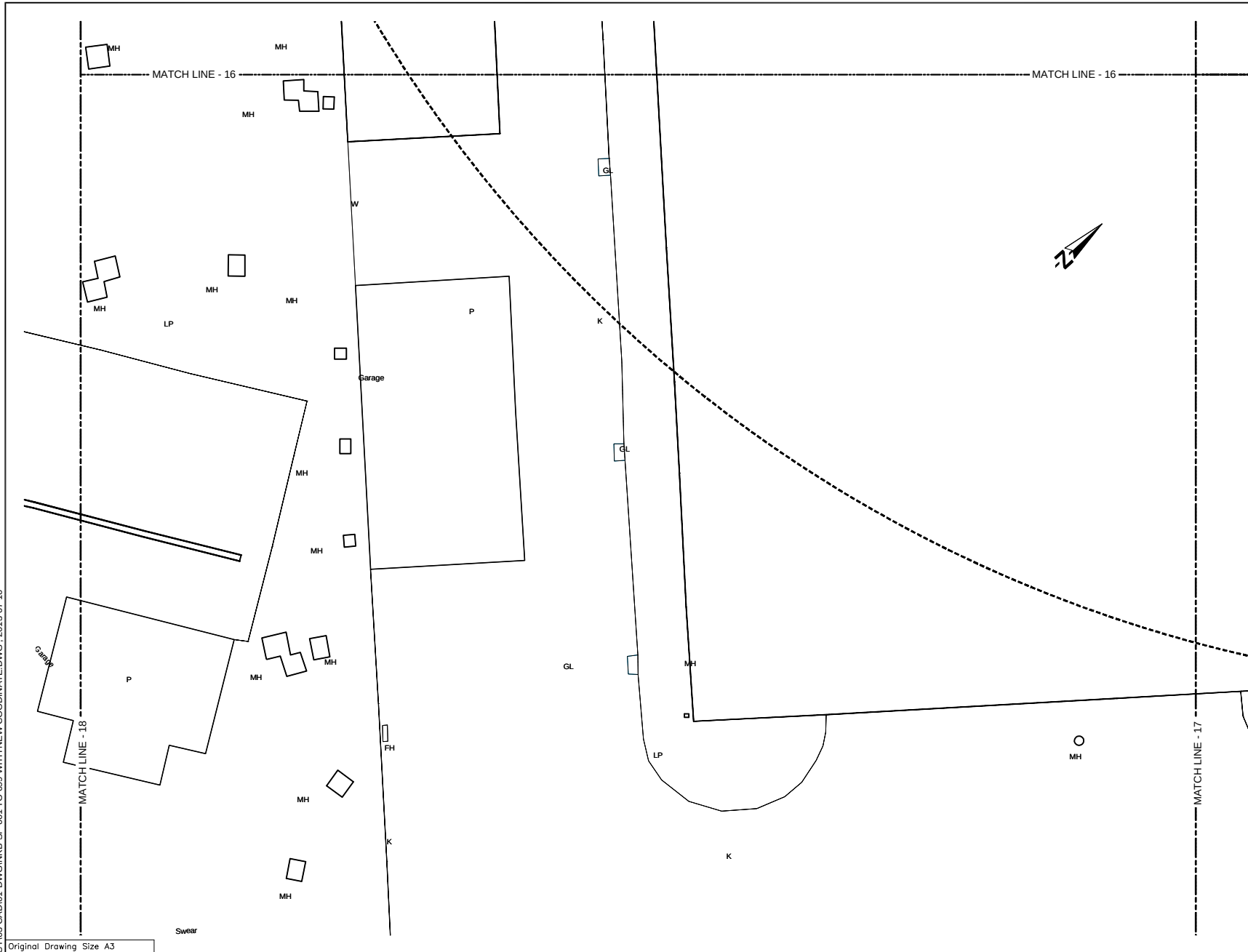
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-026**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

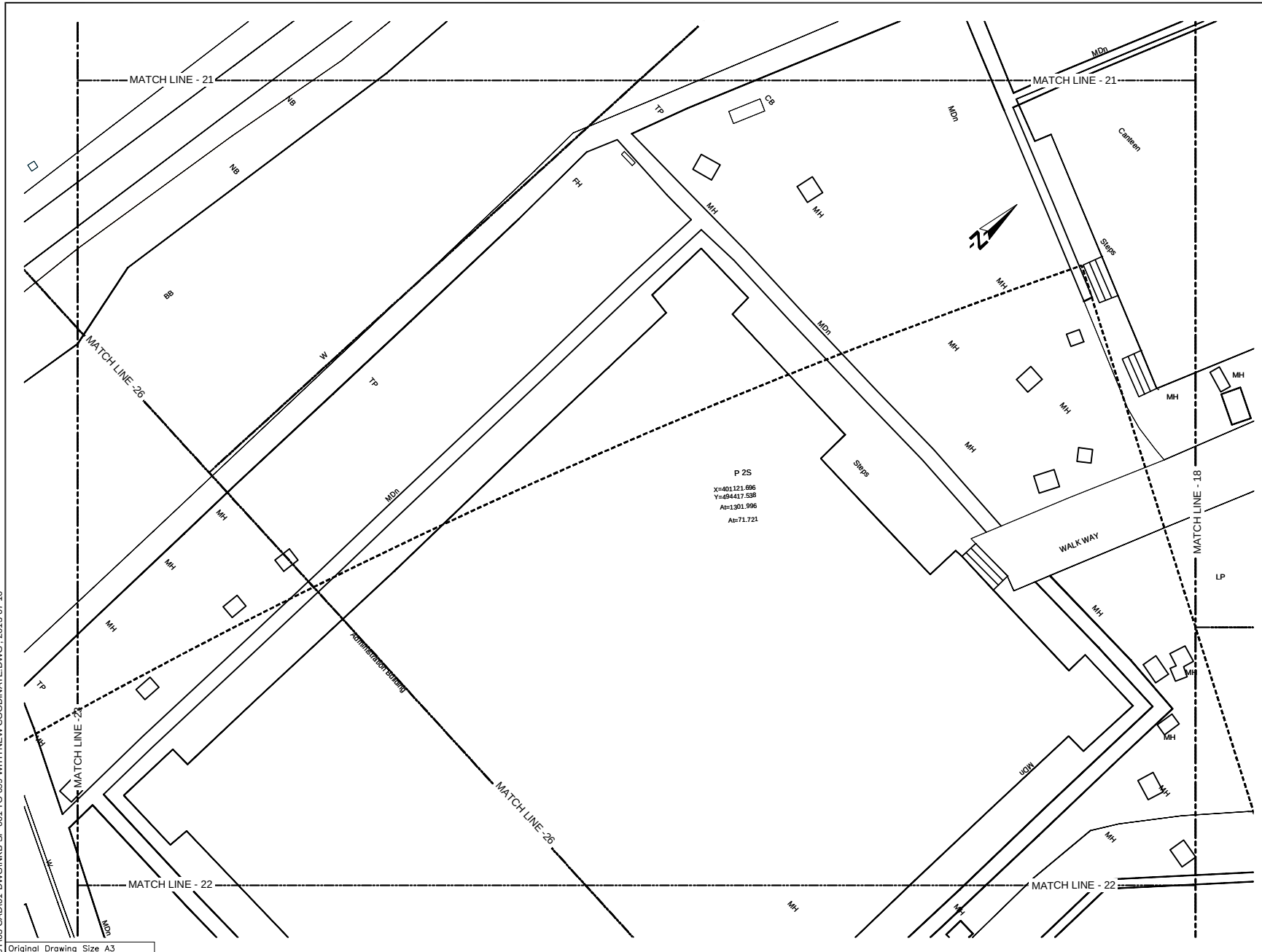
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ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acr=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
OHW --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MD --- Masonry Drain
ED --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

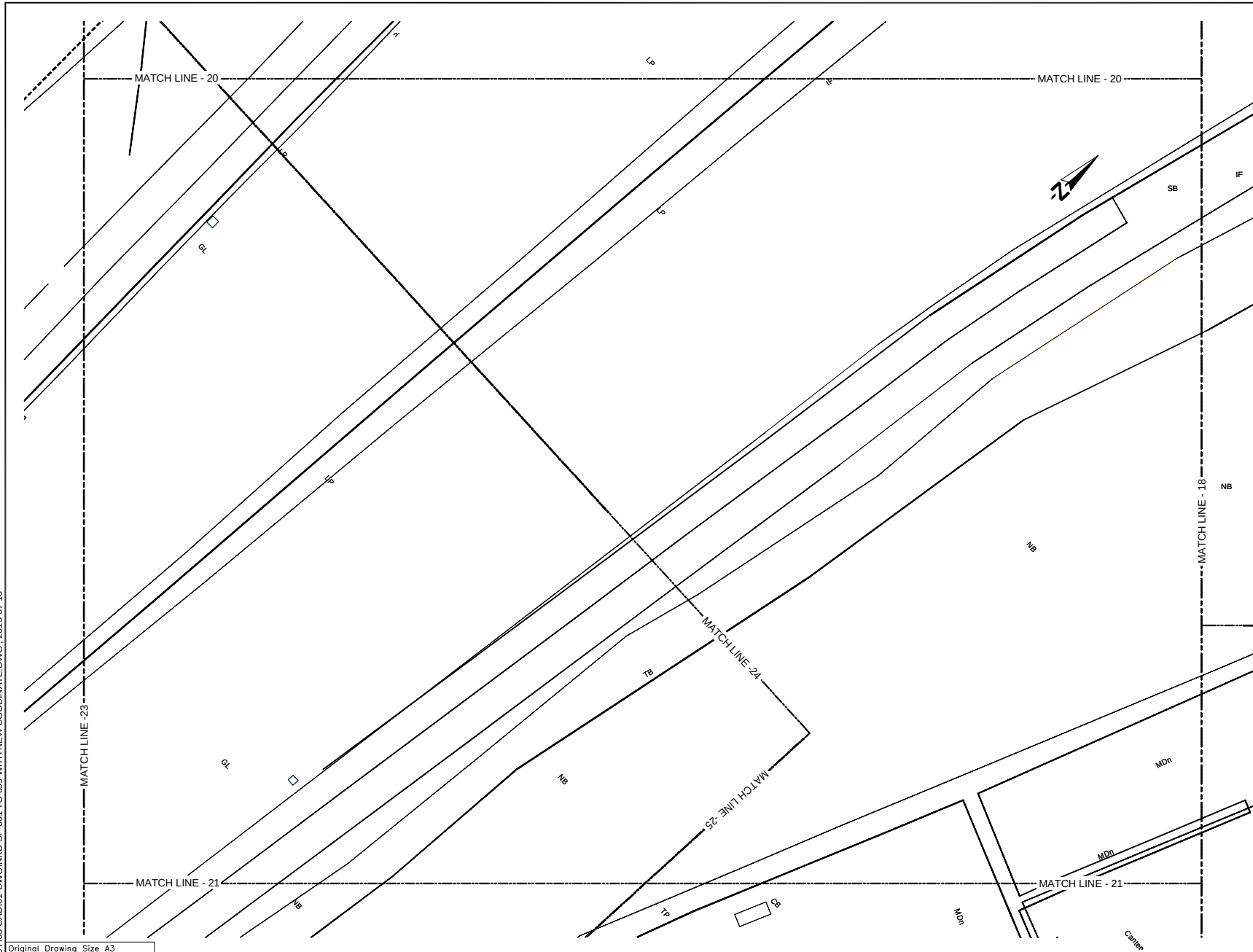
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ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Ab=35.970 Ac=12.870		TOTAL BUILDING AREA BUILDING AFFECTED AREA BUILDING OUTLINE SURVEY LIMITS

REFERENCE

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EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
ES	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BU	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MDH	Masonry Drain
EDH	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

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KEYPLAN

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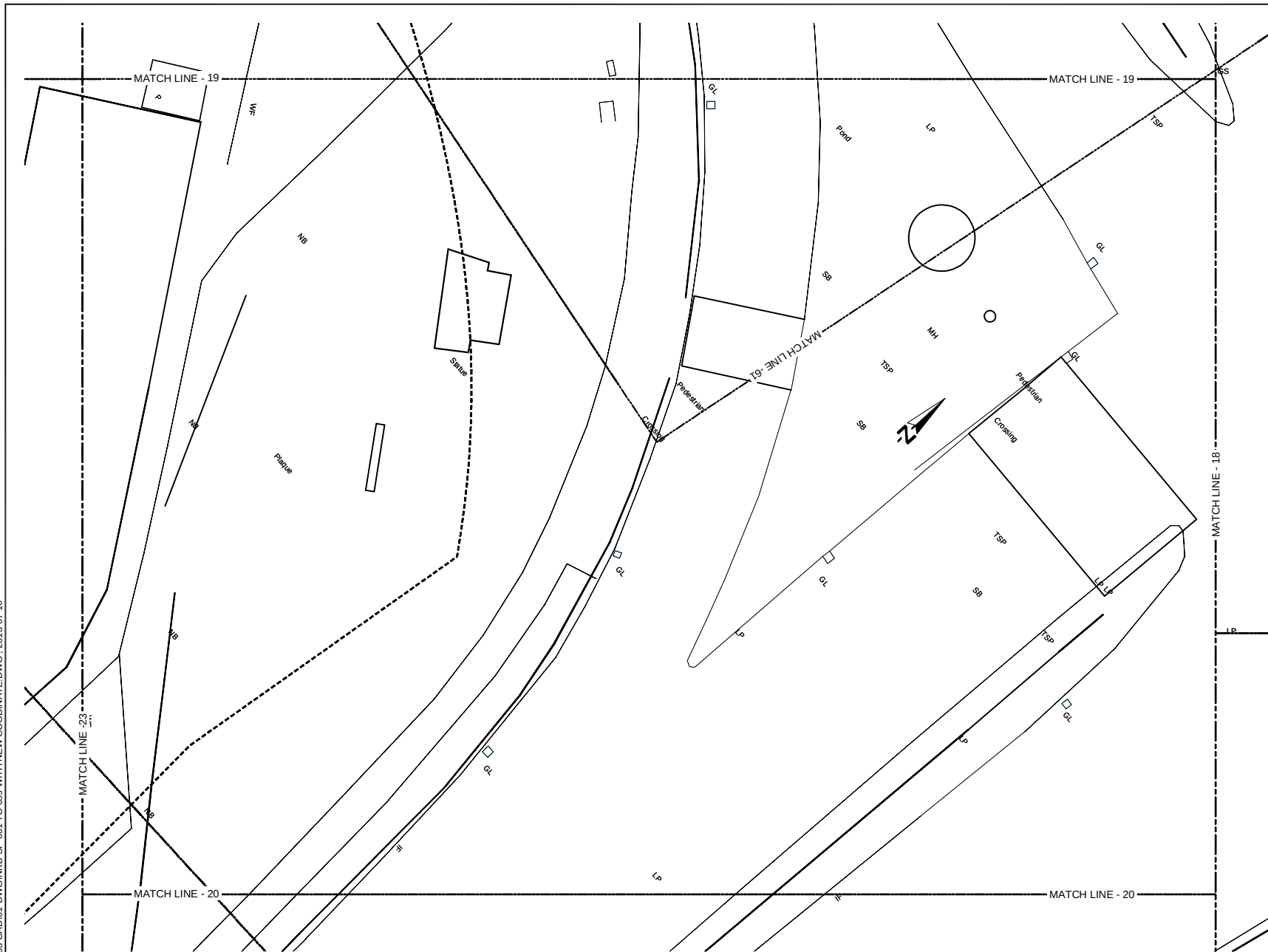
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Aci=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDMS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Labyrinth
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BU	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
OWMT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
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RW	Retaining Wall
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WF	Wire Fence
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WLF	Wire Live Fence
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ZF	Zinc Fence

SCALE 1:200

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KEYPLAN

LEGENDS:

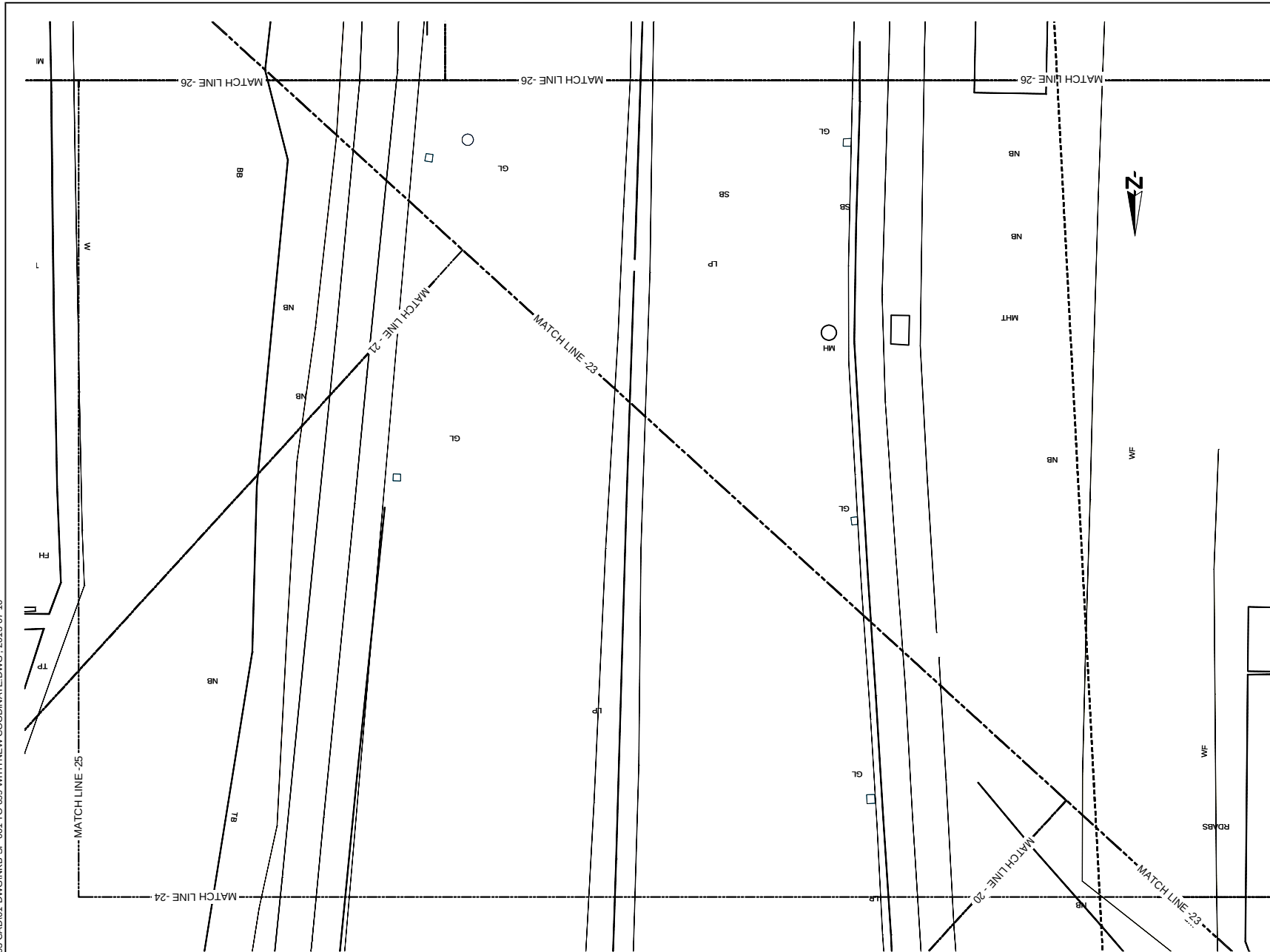
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
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EPHT --- High Tension Electric Post
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NB --- Name Board
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RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
PH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Lashover
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
OWMT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
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SPT --- Septic Tank
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GP --- Gate Post
CL --- Culvert
MDN --- Masonry Drain
EDN --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

Original Drawing Size A3												SCALE 1:200	
 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority 	 Oriental Consultants Co., Ltd.  Consulting Engineers & Architects Associated (Pvt) Ltd.					PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE				TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE			
													DRG. NO :
				NO	DATE	DESCRIPTION							

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acr=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

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EPHT	High Tension Electric Post
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CP	Concrete Post
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SB	Sign Board
RDABS	RDA (Boundary Stone)
TSP	Traffic Signal Post
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FH	Fire Hydrant
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TCB	Telecom Cable Box
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G	Gate
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CUL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
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GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS
Road Development Authority

Oriental Consultants Co., Ltd.
CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-031**

Original Drawing Size A3



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority



Oriental Consultants Co., Ltd.



Consulting Engineers &
Architects Associated (Pvt) Ltd.

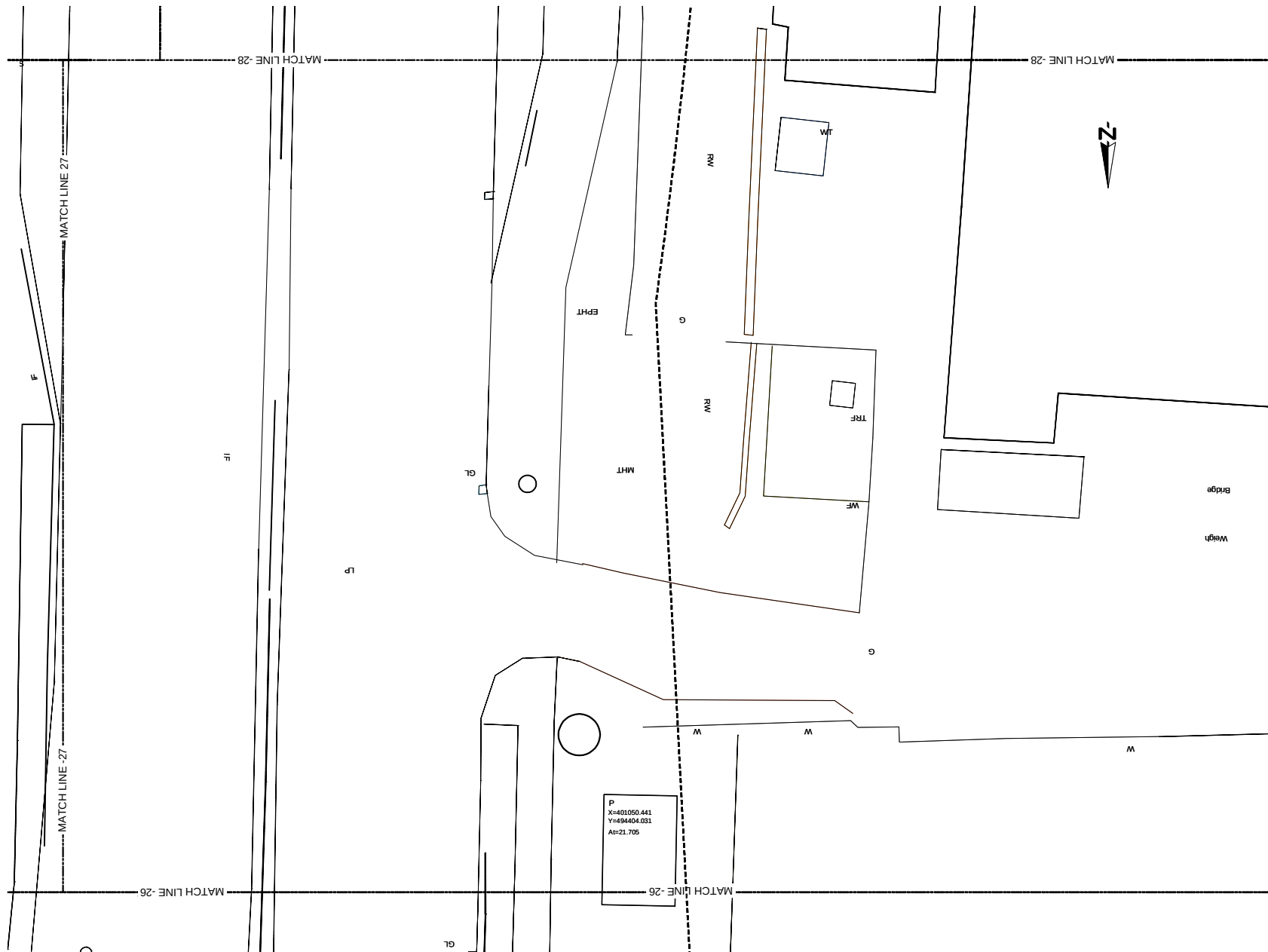
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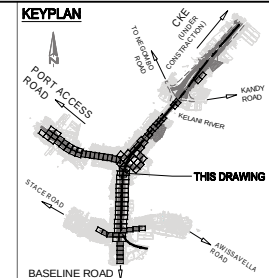
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

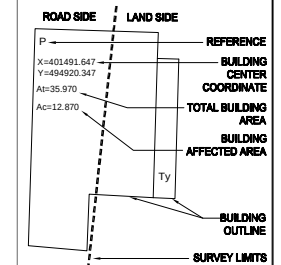
NKB-SP-032



KEYPLAN

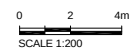


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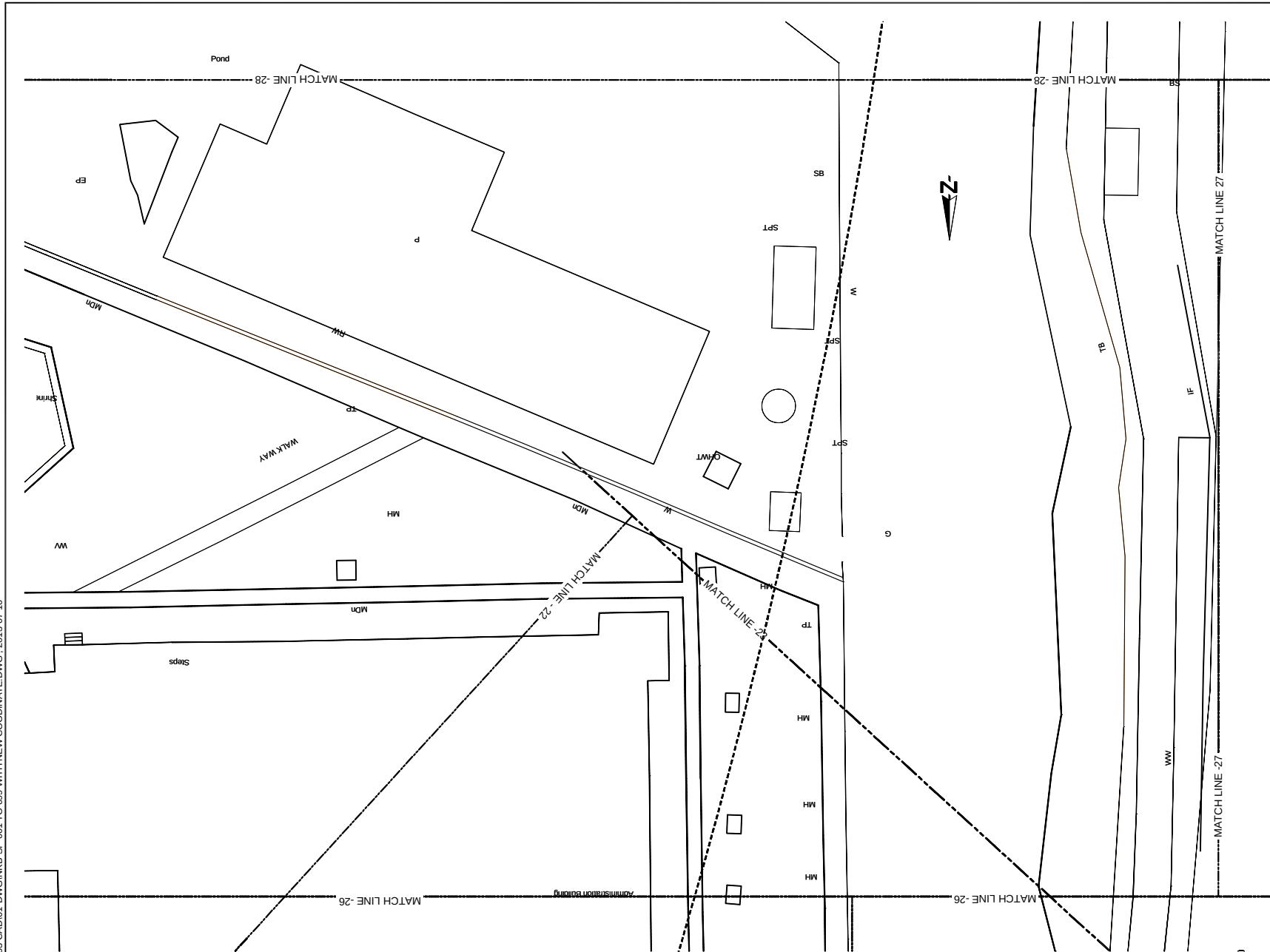


REFERENCE

EP --- Electric Post
EPHT --- High Tension Electric Post
TSP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
ROMBS (Rd. Boundary Stone)
TSB --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
BH --- Bush Hydrant
GB --- Gully Base
BL --- Building Lintell
BS --- Bus Stop
CB --- Concrete Base
PB --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
F --- Foundation
V --- Valve
WV --- Over Water Valve
QWYT --- Over Heat Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MM --- Manhole Man
MHS --- Manhole Semic
TCB --- Telephone Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
Q --- Qu
CP --- Cement Post
GL --- Gully
C --- Cast
MD --- Masonry Drain
EDh --- Earth Drain
BS --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EL --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DPL --- Day Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
Z --- Zinc Fence



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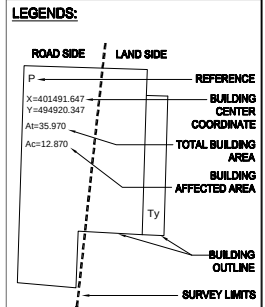
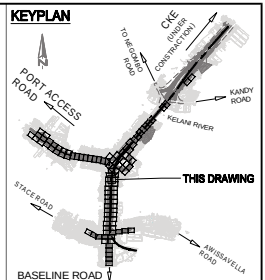
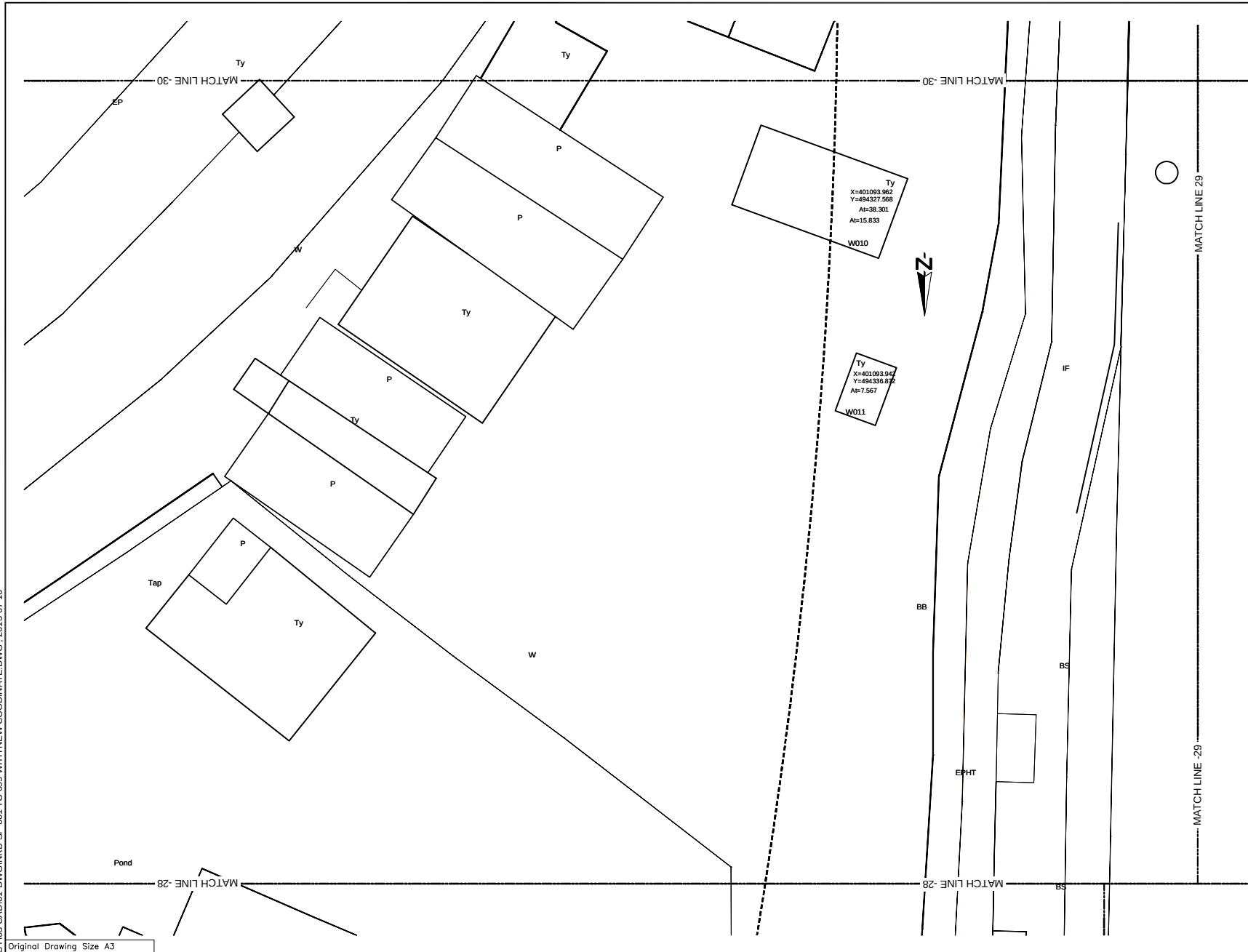
KEYPLAN

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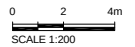
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDAB --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
PH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Labyrinth
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
M-W --- Manhole Water
M-H --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CUL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
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WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

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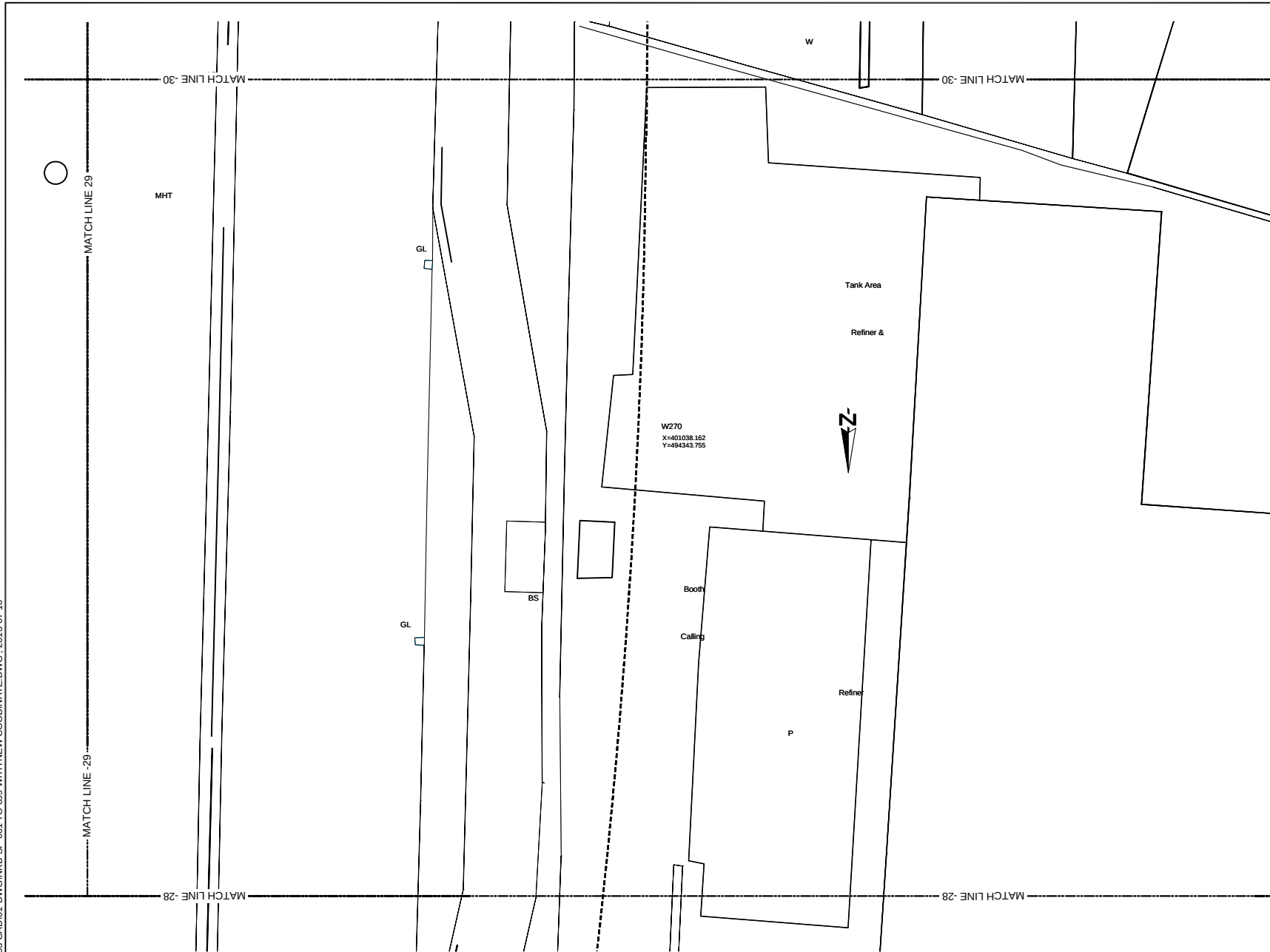
- REFERENCE
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 - ROADS --- RDA (Boundary Stone)
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 - TRE --- Transformer
 - PB --- Pylon Base
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 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - YB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WDF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority 	 Oriental Consultants Co., Ltd.				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
	 Consulting Engineers & Architects Associated (Pvt) Ltd.					
		NO	DATE	DESCRIPTION		

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KEYPLAN

LEGENDS:

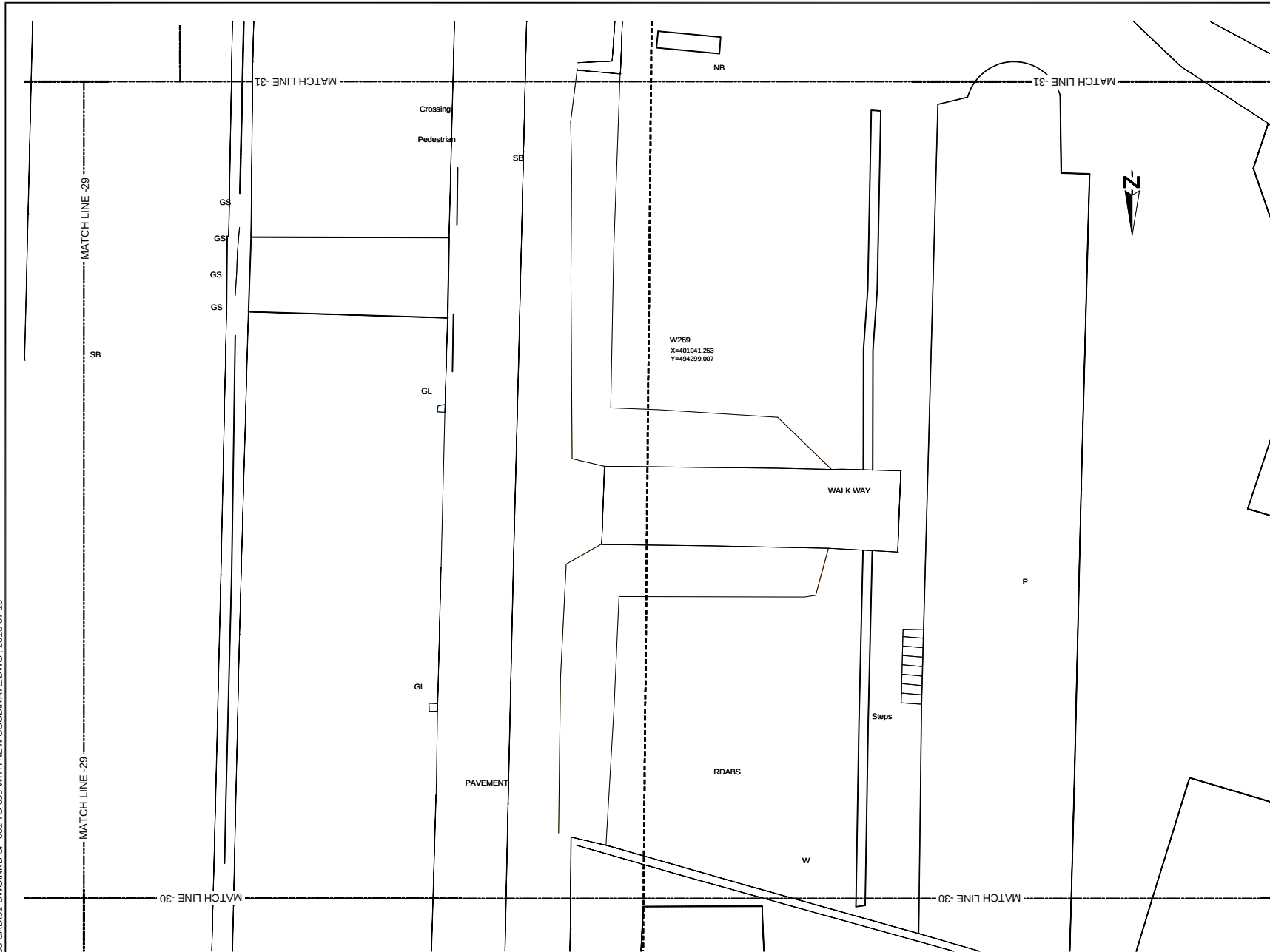
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
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CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
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TRE	Transformer
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BS	Bus Shelter
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MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

0 2 4m
SCALE 1:200

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KEYPLAN

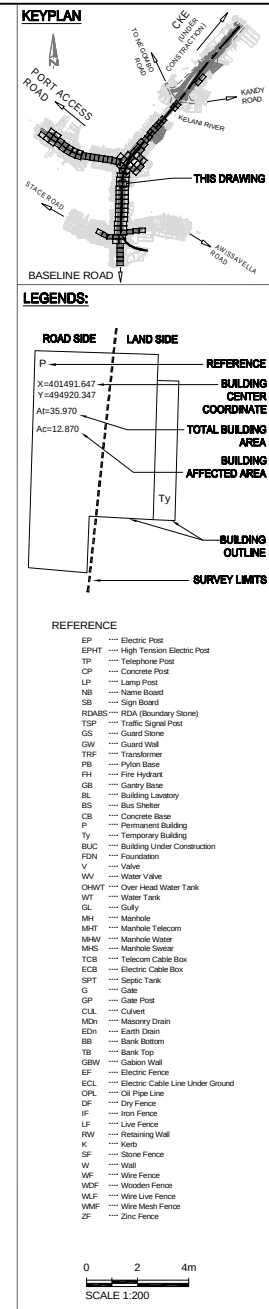
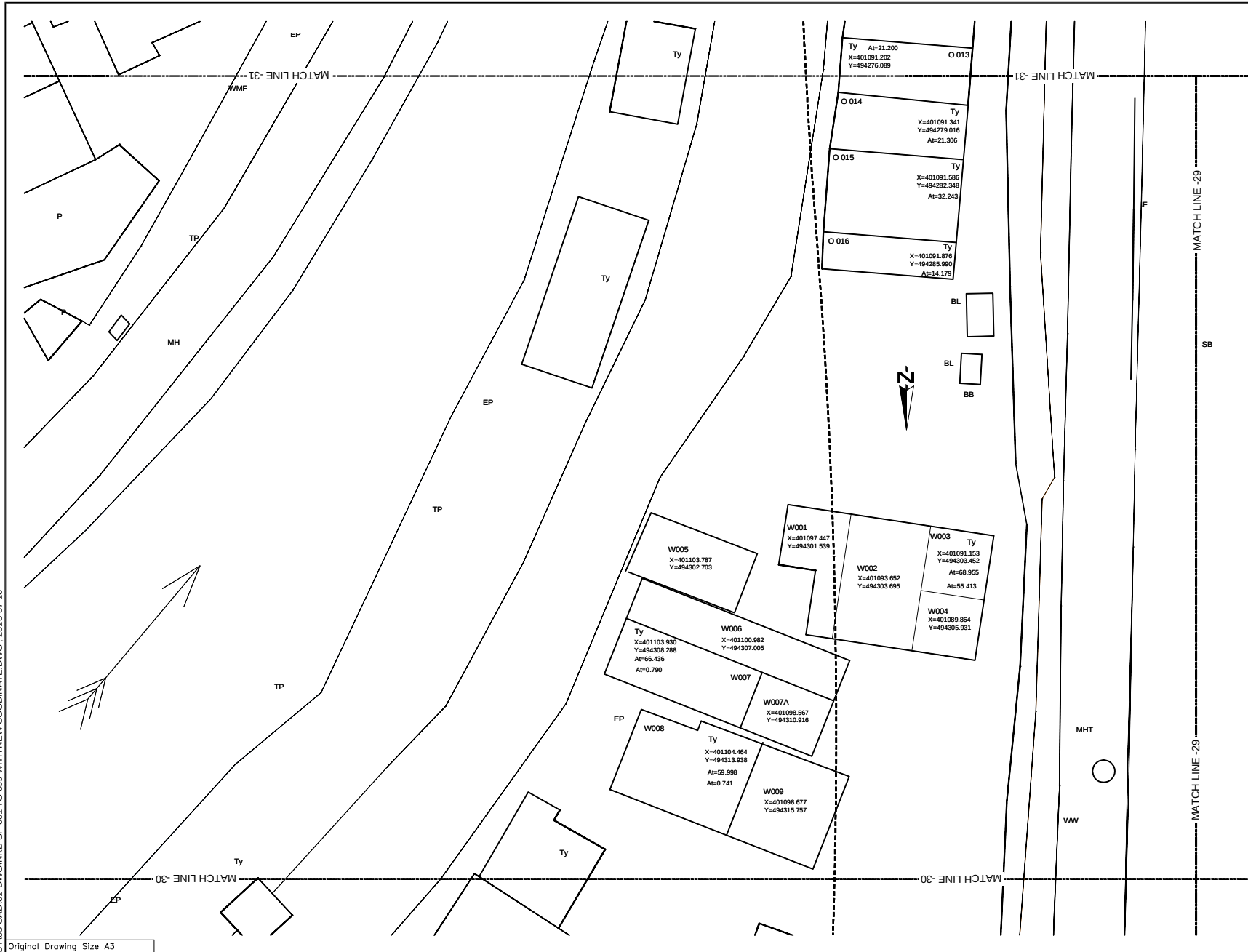
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P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDABS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BCU	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
OWMT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

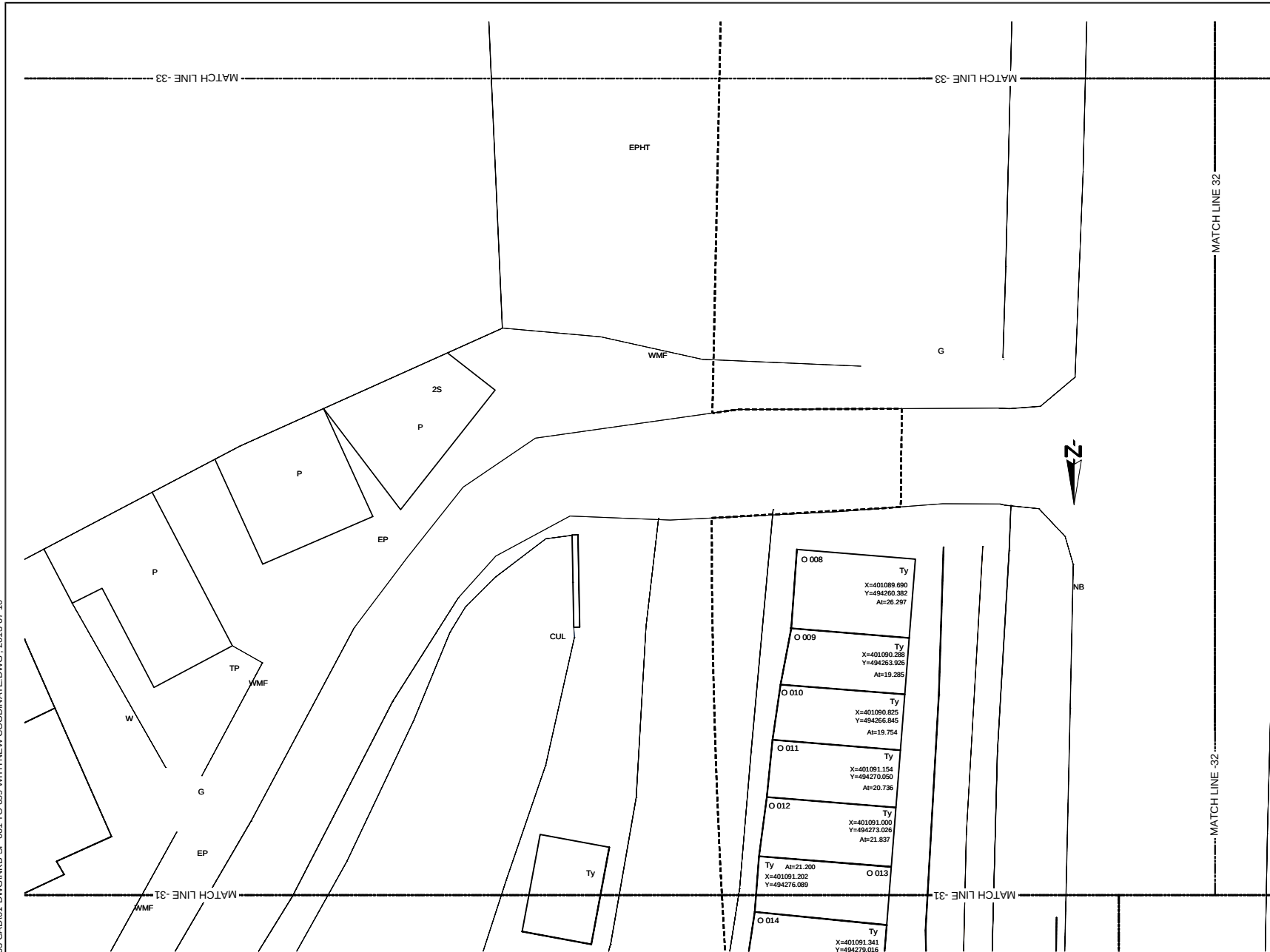
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Original Drawing Size A3

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			NO	DATE		
					DRG. NO :	NKB-SP-037

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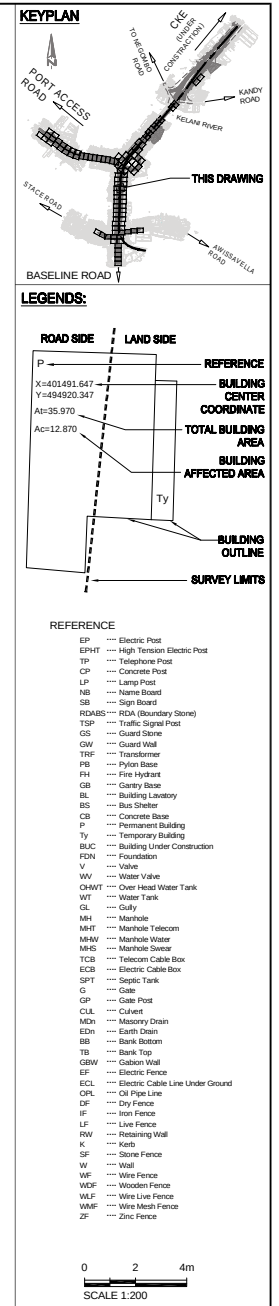
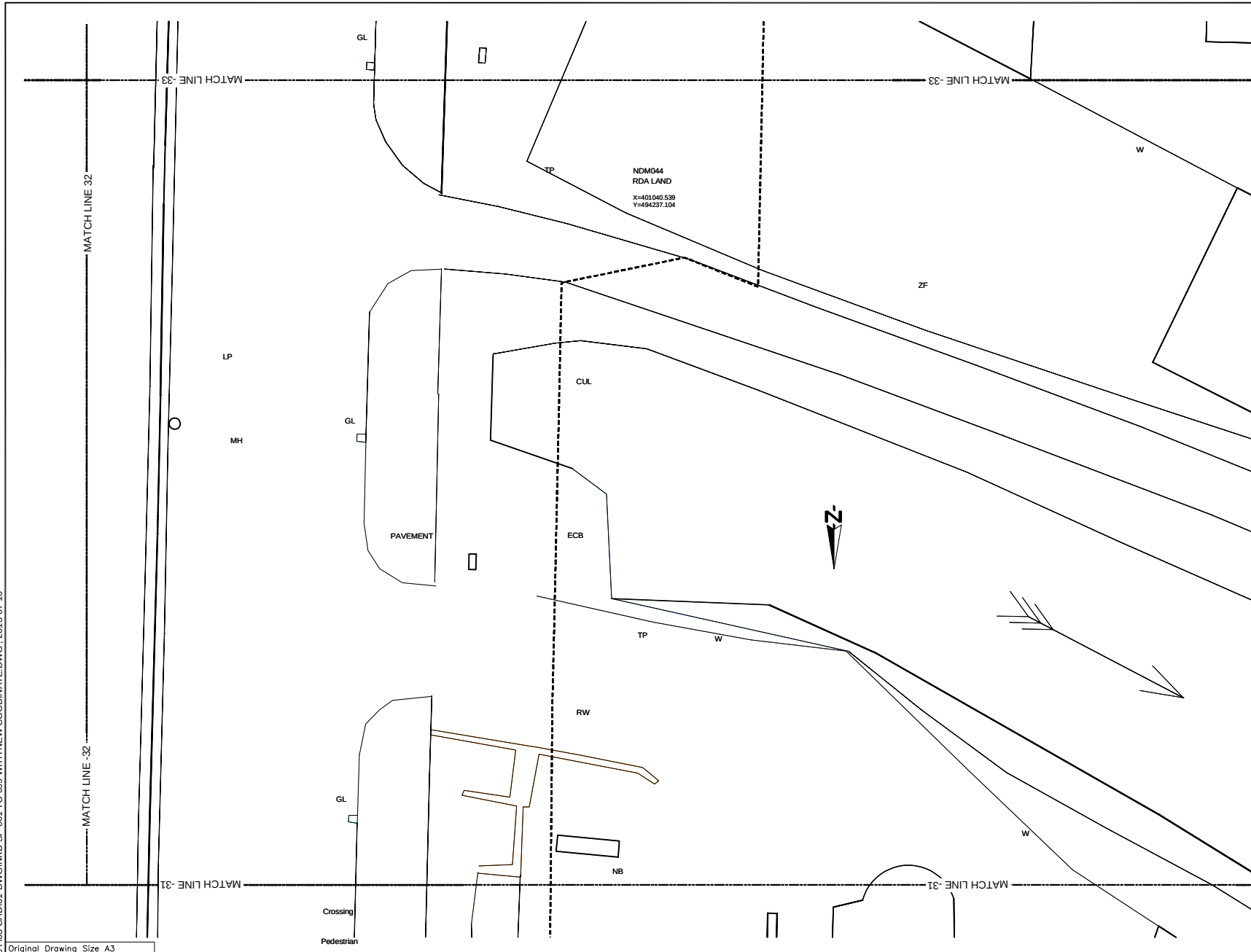
KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MCh --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
ZF --- Zinc Fence

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

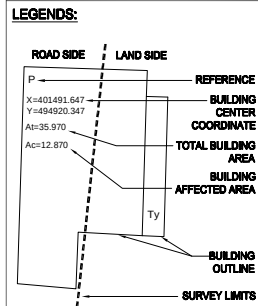
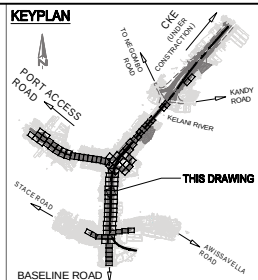
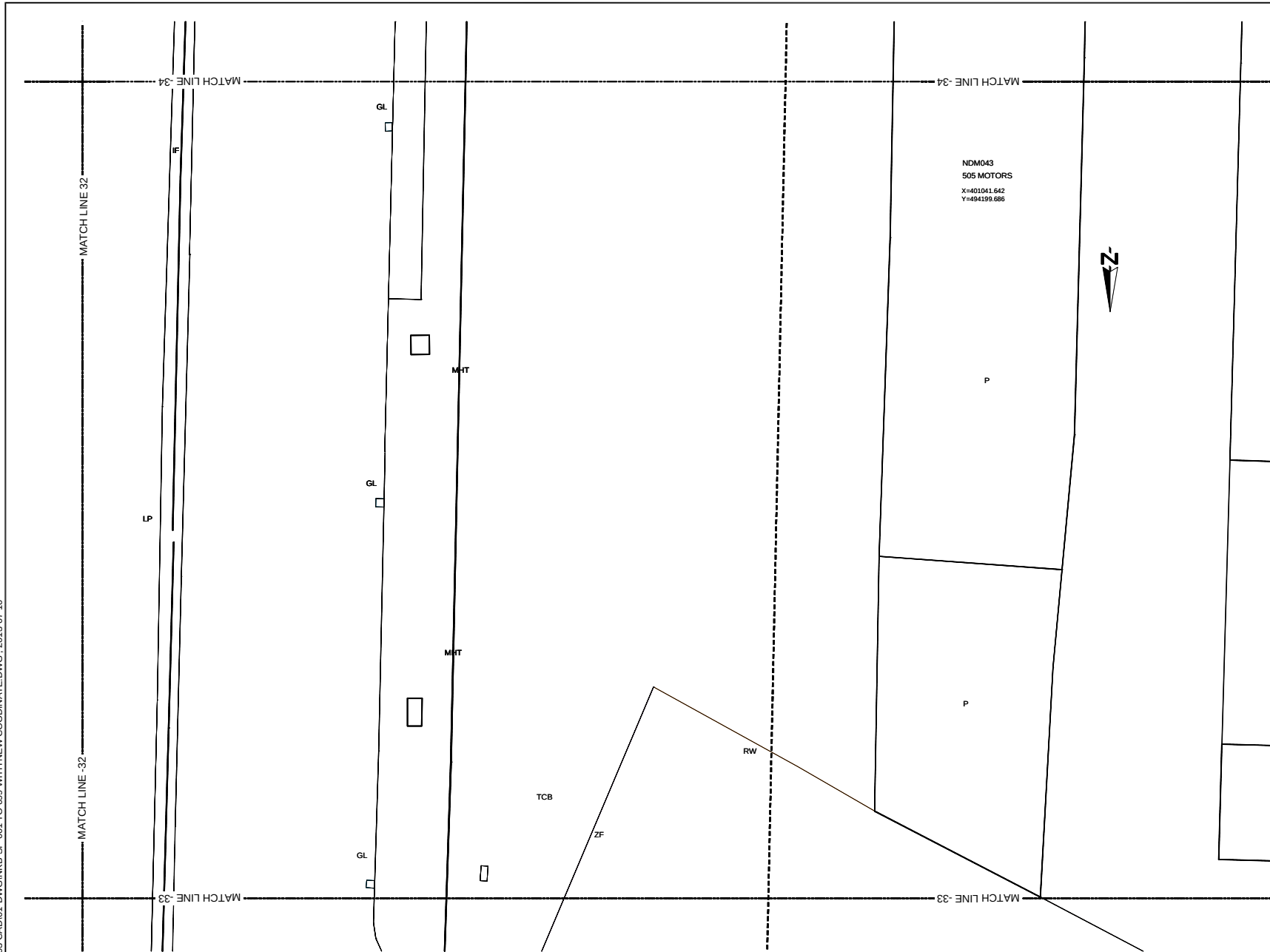
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**PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE**

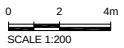
**TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE**

DRG. NO : **NKB-SP-039**

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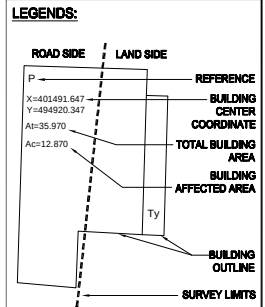
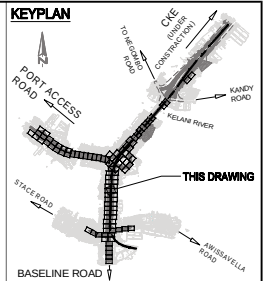
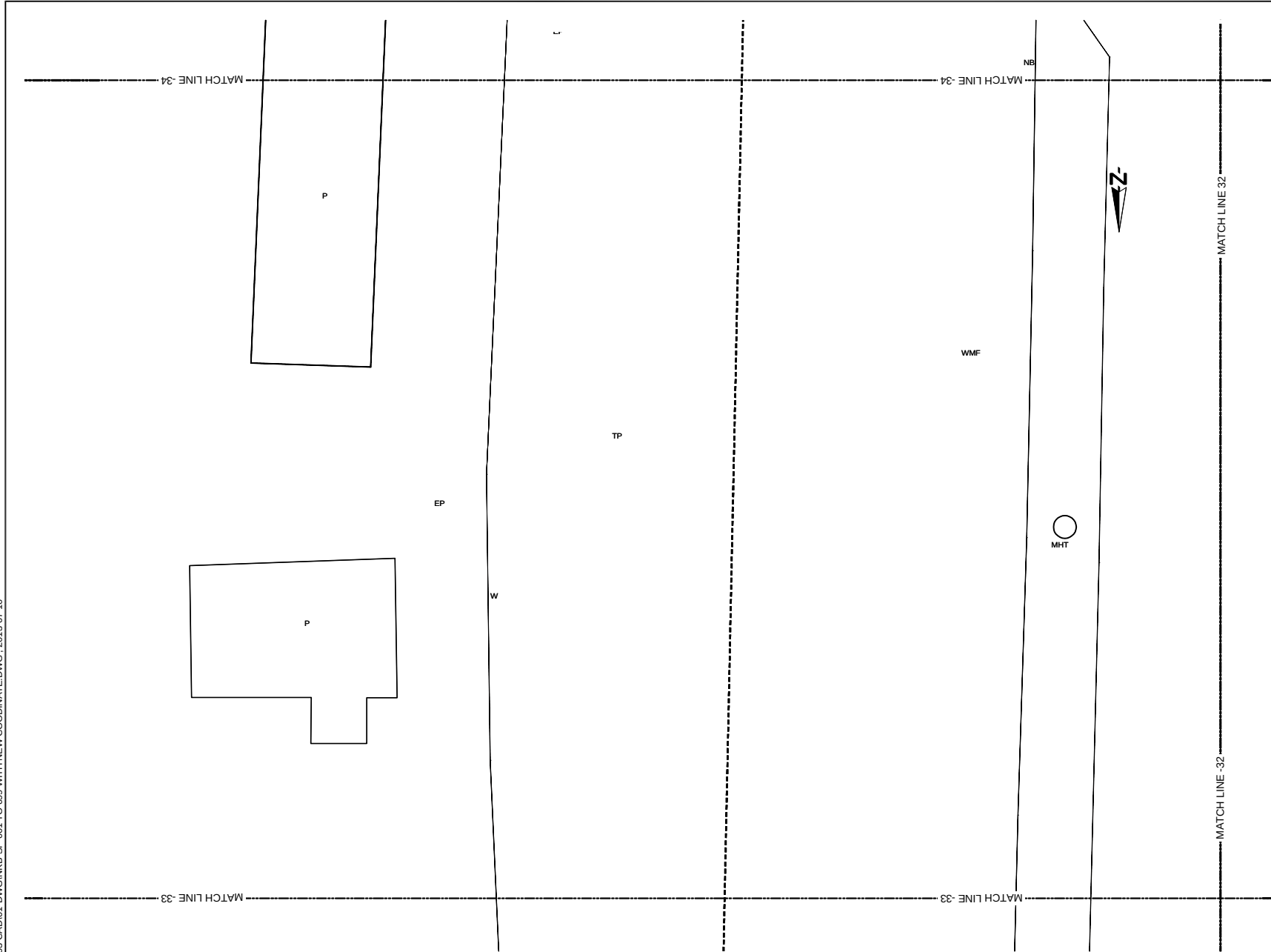


- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWMT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CL --- Culvert
 - MDH --- Masonry Drain
 - EDH --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence

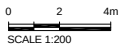


	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority		Oriental Consultants Co., Ltd.		Consulting Engineers & Architects Associated (Pvt) Ltd.	NO	DATE	DESCRIPTION
PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE						TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE DRG. NO : NKB-SP-040		

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



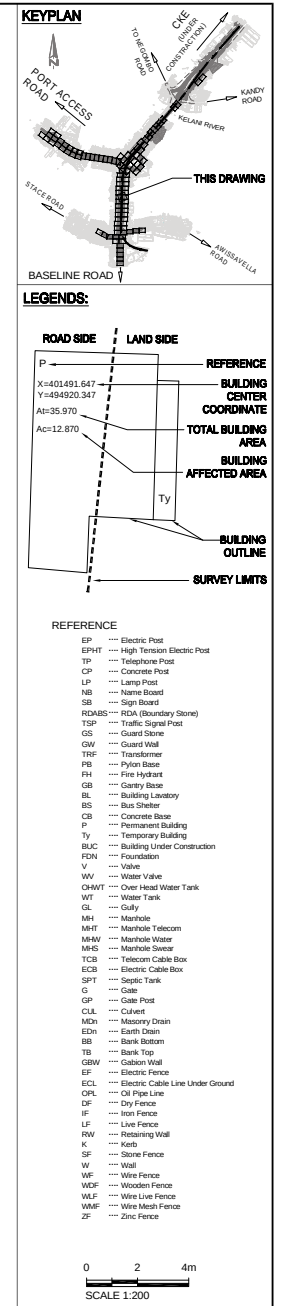
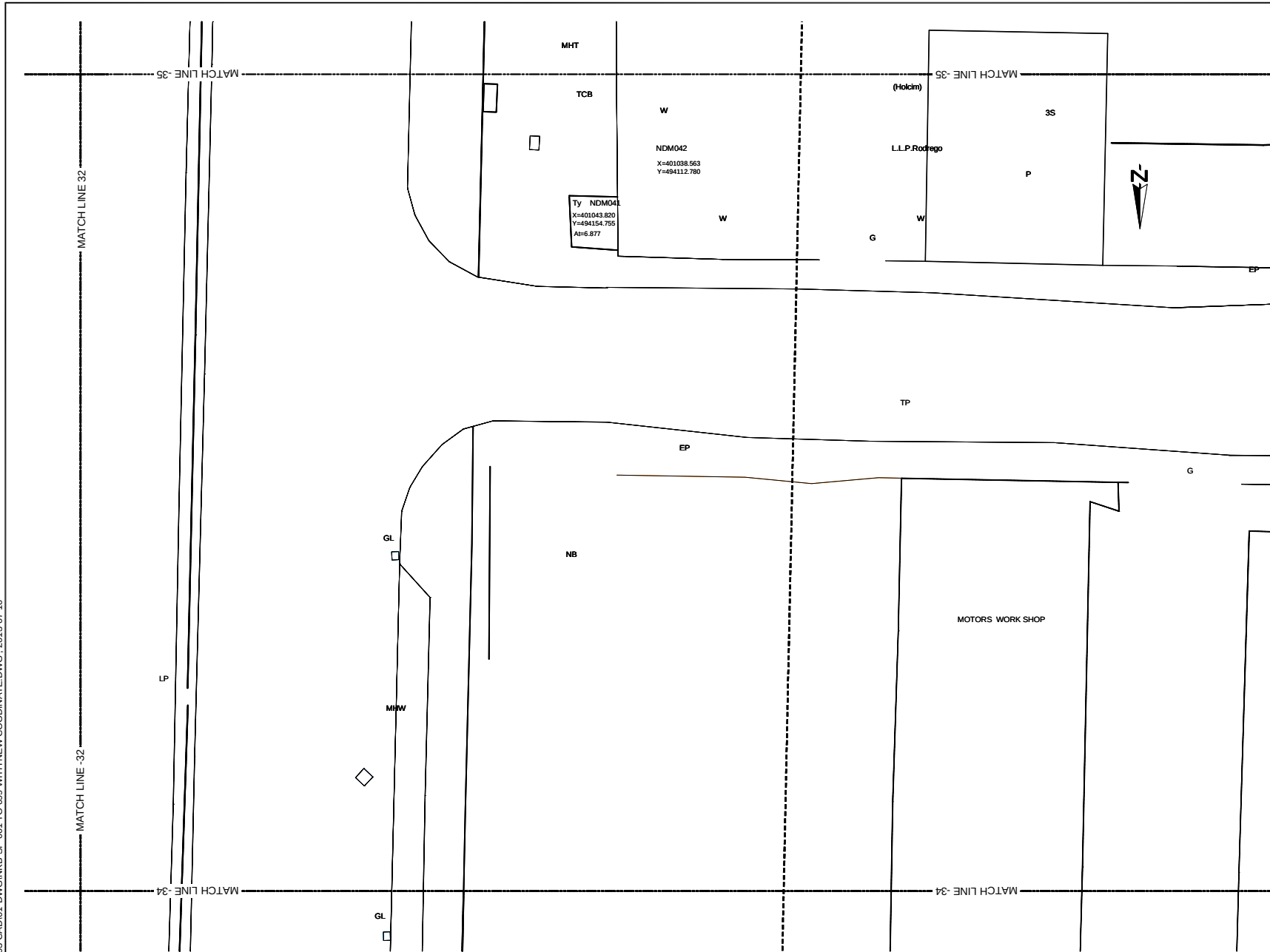
- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDABS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
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 - BL --- Building Laboratory
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 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
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 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
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 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority		Oriental Consultants Co., Ltd.		Consulting Engineers & Architects Associated (Pvt) Ltd.	<table><thead><tr><th>NO</th><th>DATE</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	NO	DATE	DESCRIPTION										PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
							NO	DATE	DESCRIPTION											
DRG. NO :	NKB-SP-041																			

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

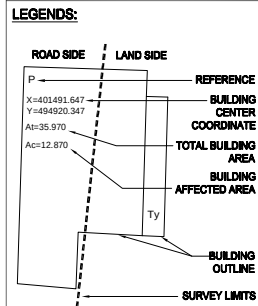
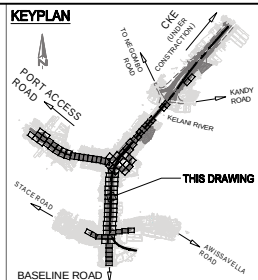
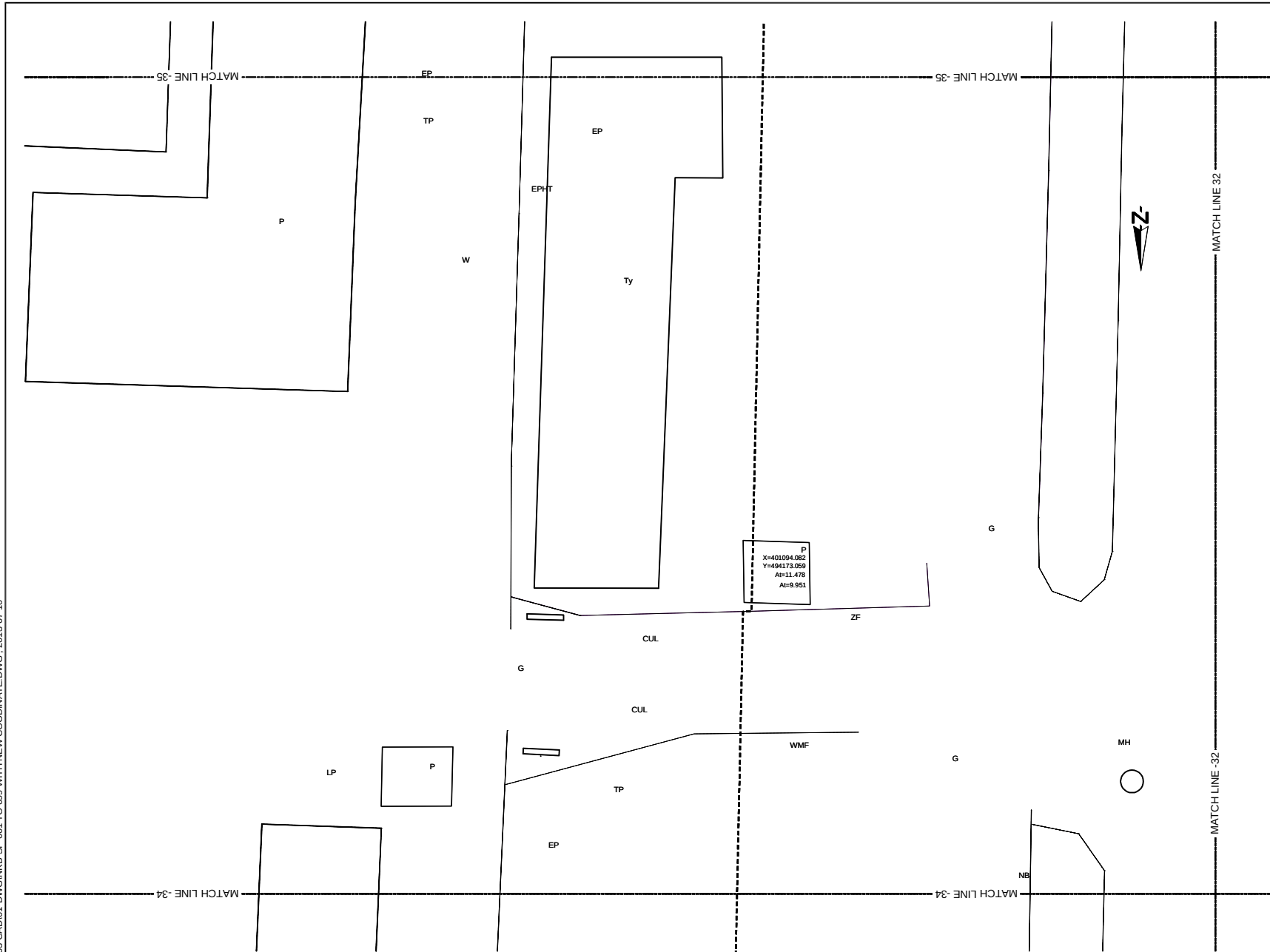
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

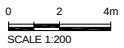
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-042**

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- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDMS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRF --- Transformer
 - PB --- Pylon Base
 - FH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MDn --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - OPL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WDF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON CONSULTANTS
Oriental Consultants Co., Ltd.

CEA
Consulting Engineers & Architects Associated (Pvt) Ltd.

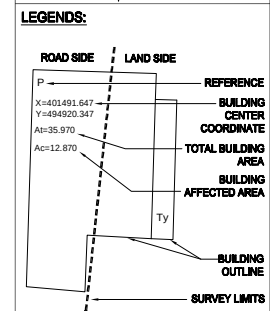
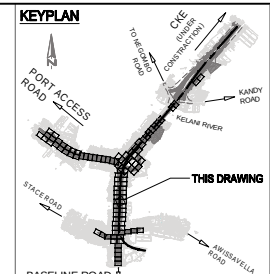
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

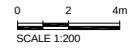
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-043**

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDMS	RDA (Boundary Stone)
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WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MD	Masonry Drain
ED	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
OP	Oil Pipe Line
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IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

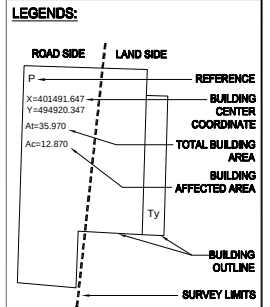
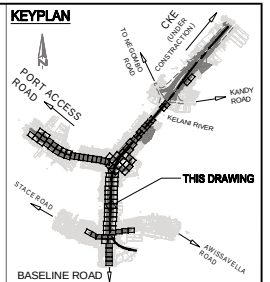
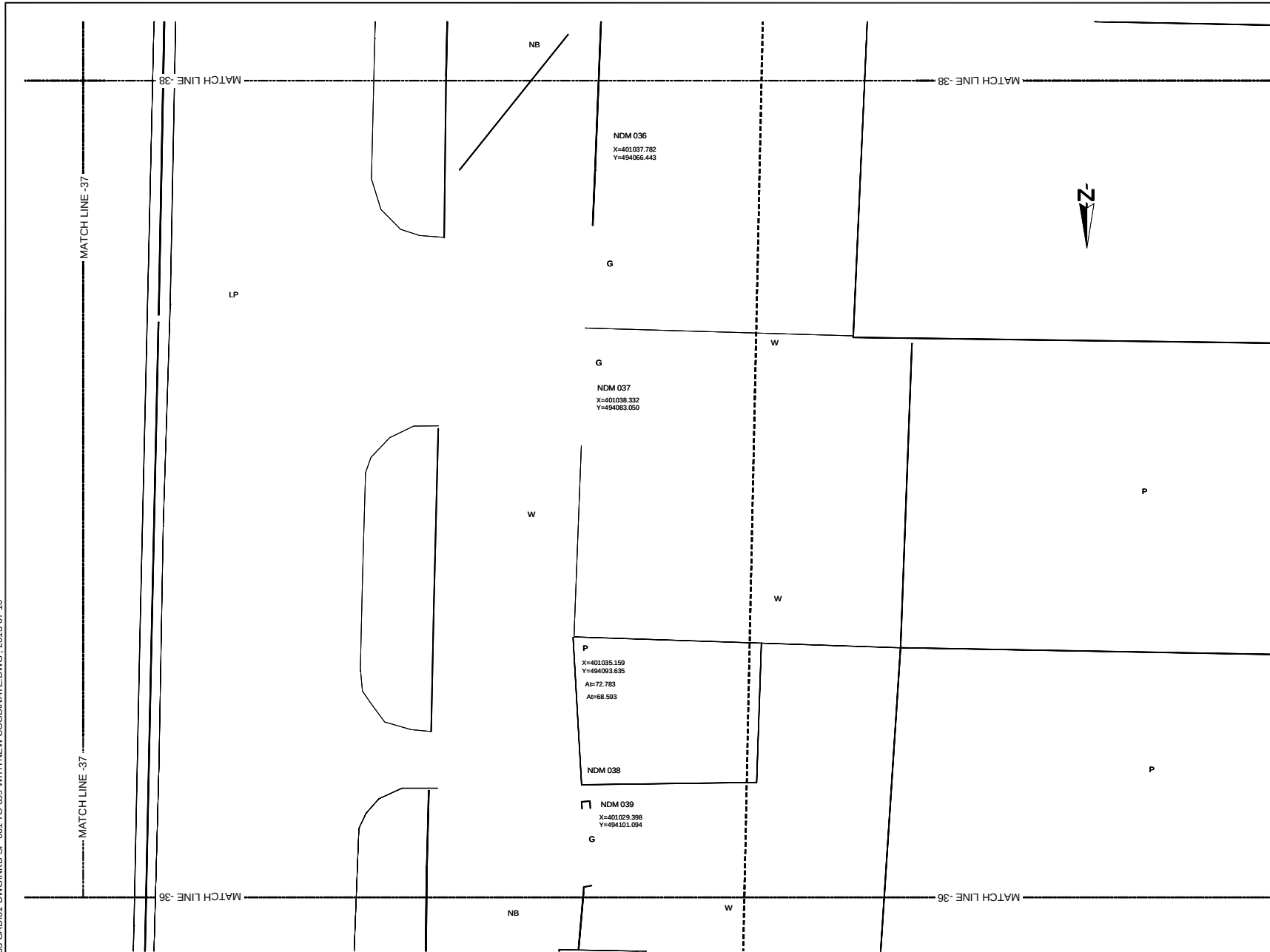
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PREPARATORY SURVEY ON TRAFFIC
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BRIDGE

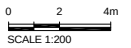
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-044**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
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 - WV --- Water Valve
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 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
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 - RW --- Retaining Wall
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 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3



Oriental Consultants Co., Ltd.



Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

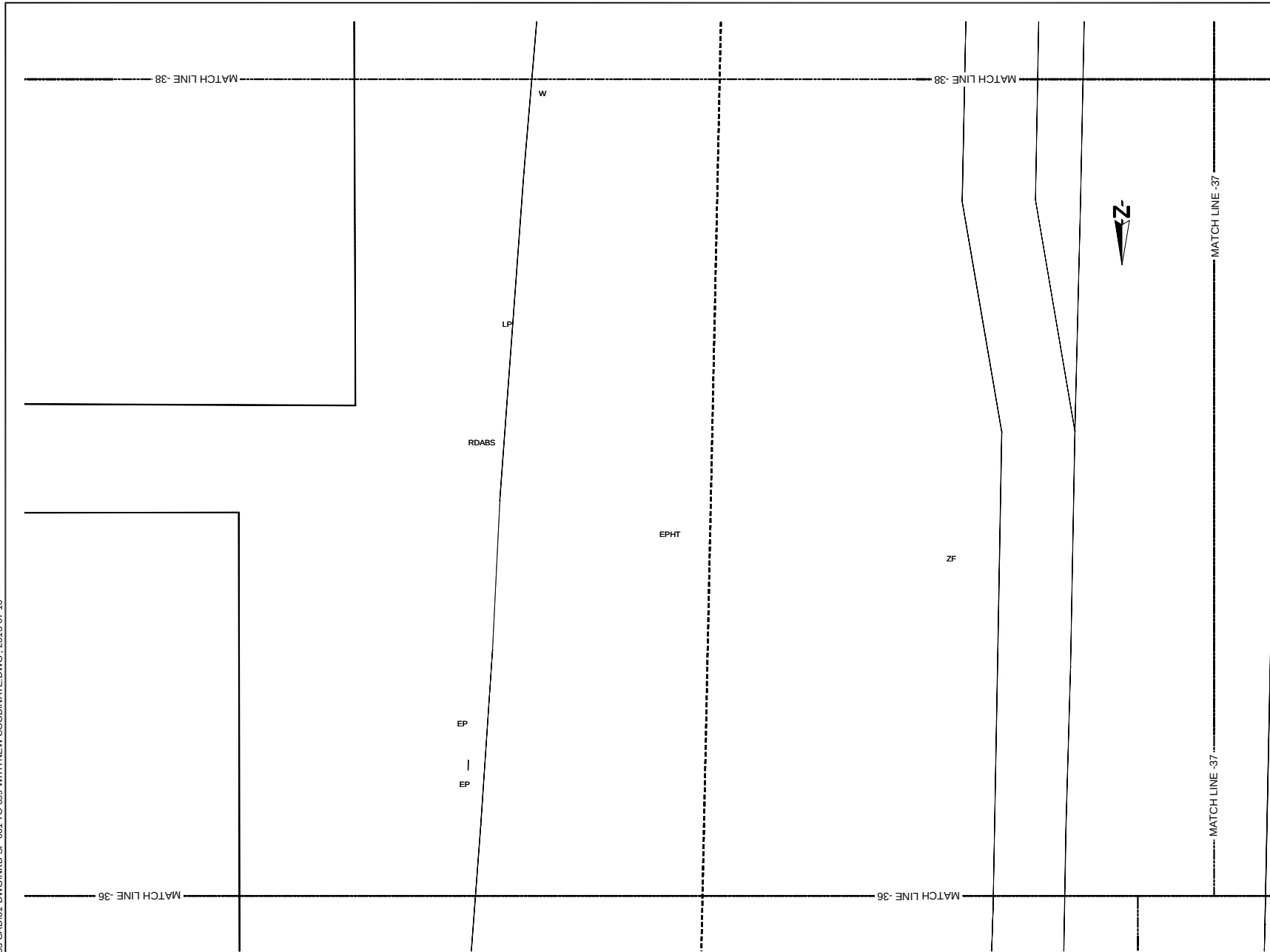
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

NKB-SP-046

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KEYPLAN

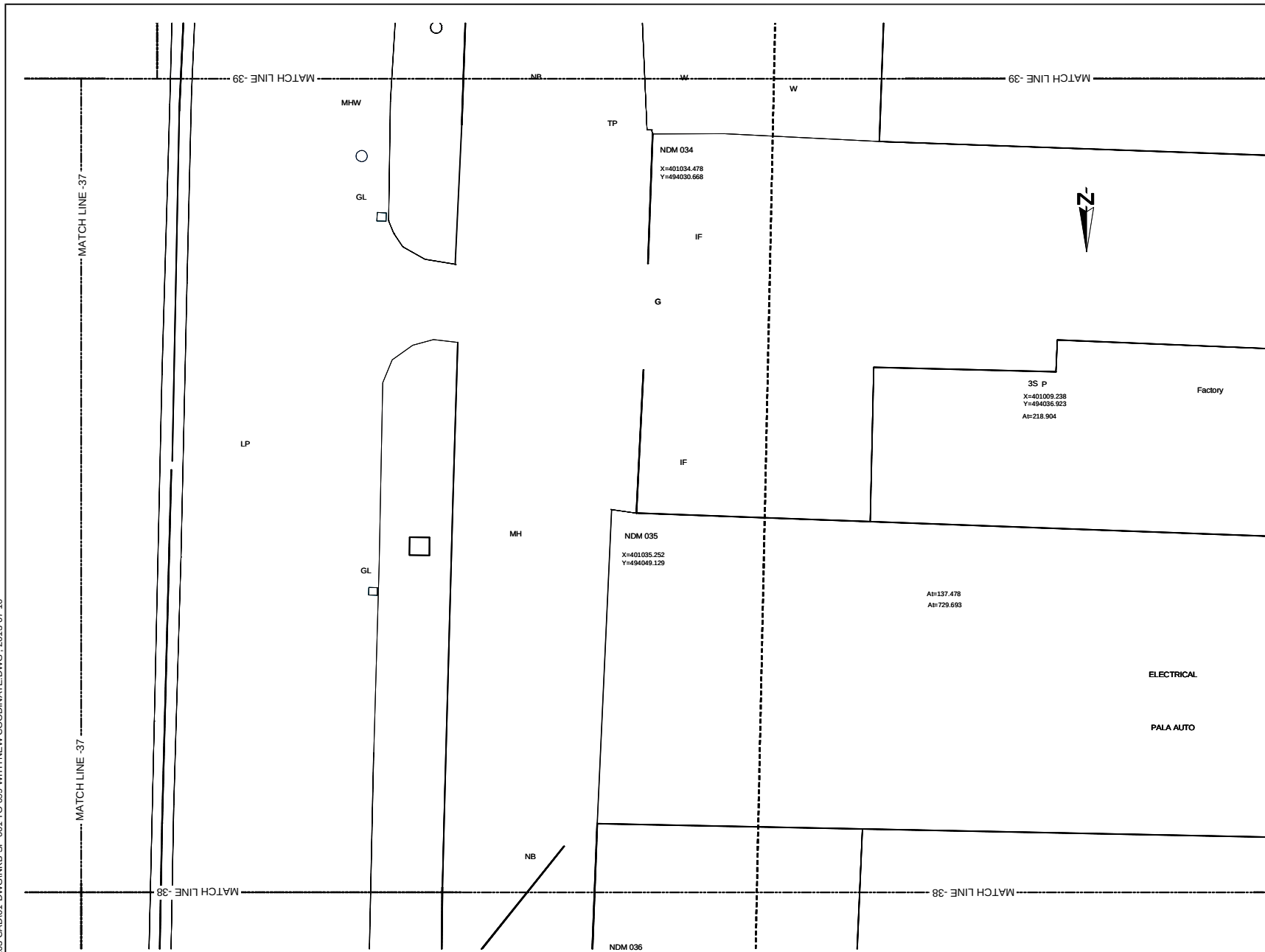
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
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BUC --- Building Under Construction
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MHS --- Manhole Sewer
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ZF --- Zinc Fence

SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

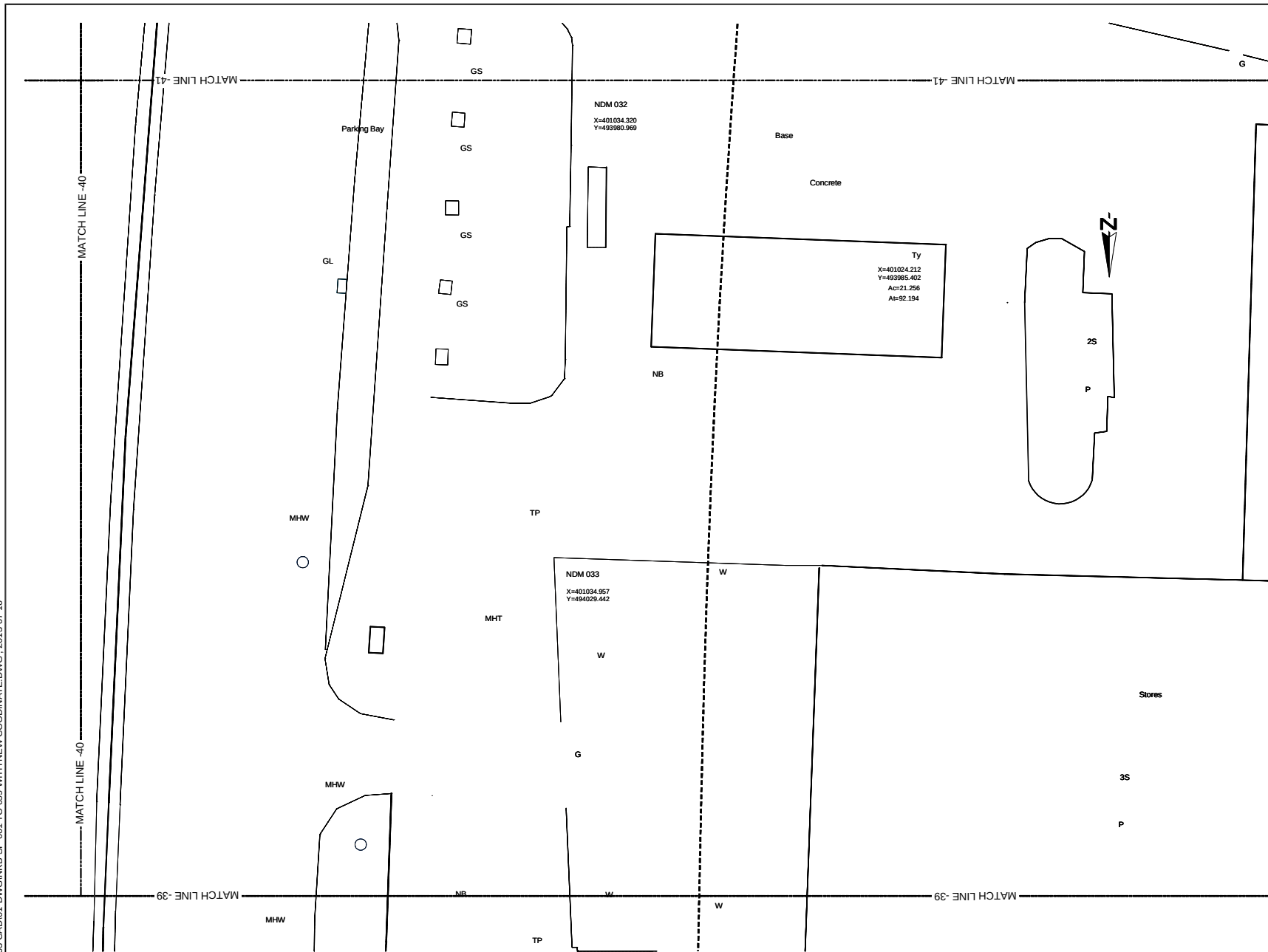
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
	Ty	BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
ROADS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Lashery
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

Original Drawing Size A3										SCALE 1:200																																													
 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority  <td colspan="10">  Oriental Consultants Co., Ltd.  Consulting Engineers & Architects Associated (Pvt) Ltd. <table><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>NO</td><td>DATE</td><td colspan="2">DESCRIPTION</td></tr><tr><td></td><td></td><td colspan="2"></td></tr></table></td> <td colspan="10"> PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE </td> <td colspan="10"> TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE DRG. NO : NKB-SP-049 </td>										 Oriental Consultants Co., Ltd.  Consulting Engineers & Architects Associated (Pvt) Ltd. <table><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>NO</td><td>DATE</td><td colspan="2">DESCRIPTION</td></tr><tr><td></td><td></td><td colspan="2"></td></tr></table>																		NO	DATE	DESCRIPTION						PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE										TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE DRG. NO : NKB-SP-049									
NO	DATE	DESCRIPTION																																																					

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



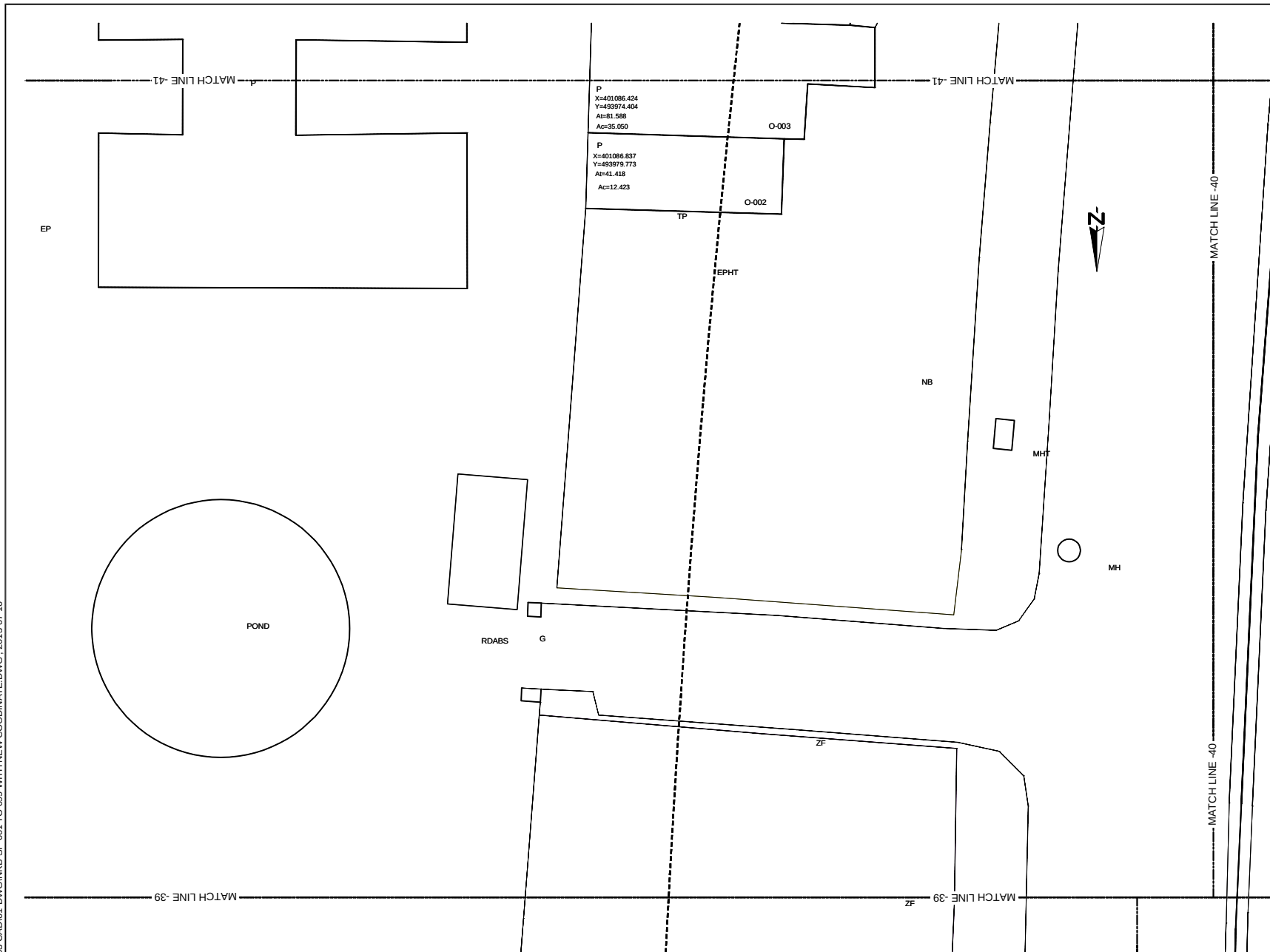
KEYPLAN

LEGENDS:
ROAD SIDE
P
X=401491.647
Y=494920.347
At=35.970
Ac=12.870
LAND SIDE
Ty
REFERENCE
BUILDING CENTER COORDINATE
TOTAL BUILDING AREA
BUILDING AFFECTED AREA
BUILDING OUTLINE
SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Lashery
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MD --- Masonry Drain
ED --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

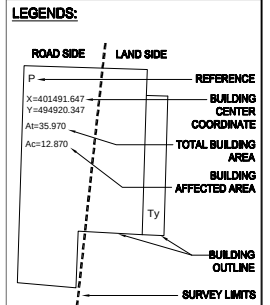
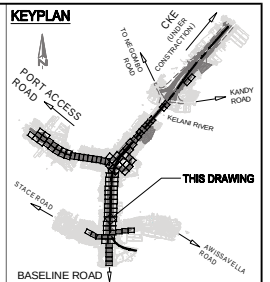
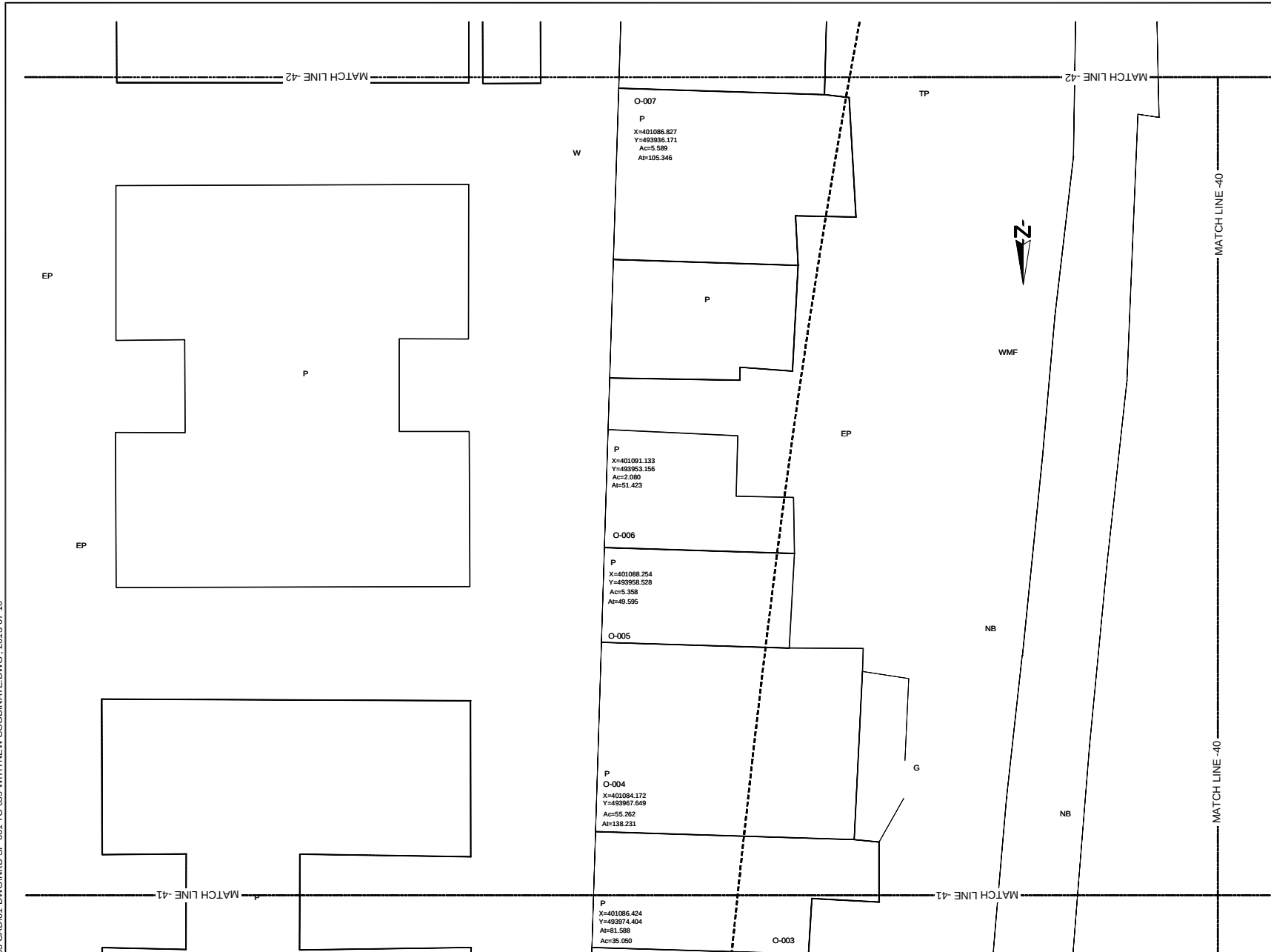
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
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TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRE --- Transformer
PB --- Pylon Base
PH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CUL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
ORL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

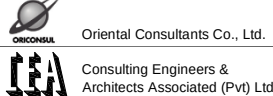
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- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
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 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - FH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Lawn
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWHT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
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 - GP --- Gate Post
 - CL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
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 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence

0 2 4m
SCALE 1:200

Original Drawing Size A3

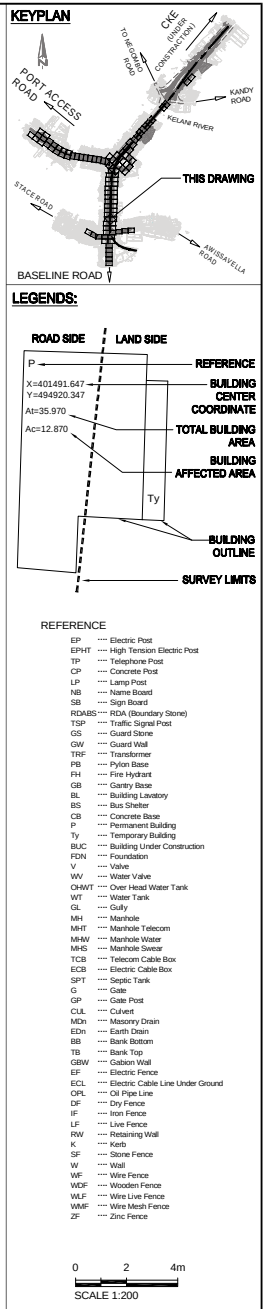
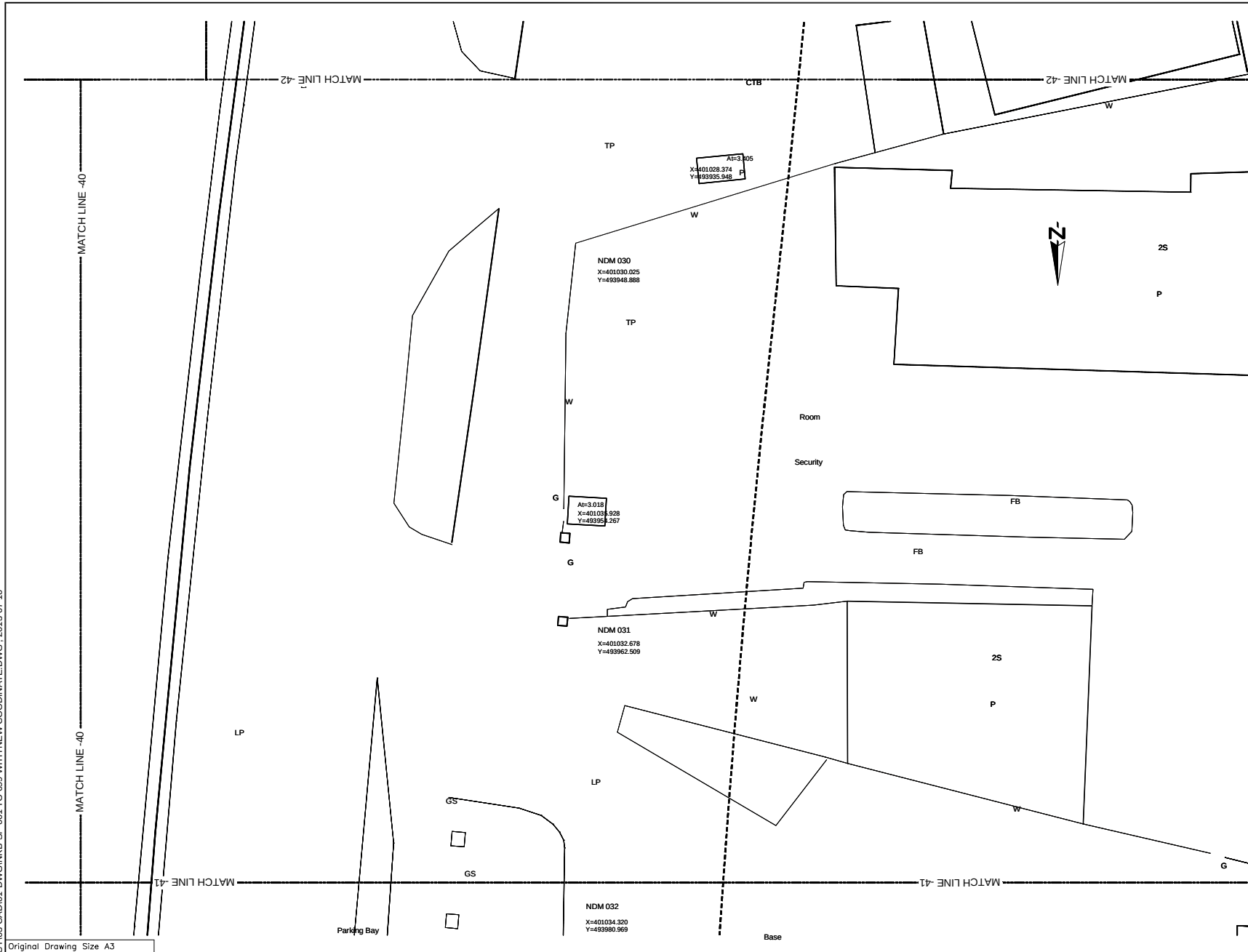


NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE
DRG. NO : NKB-SP-052

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

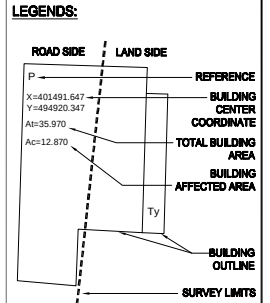
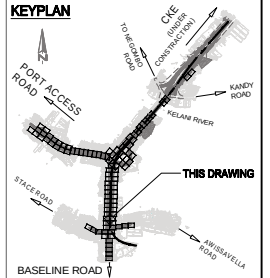
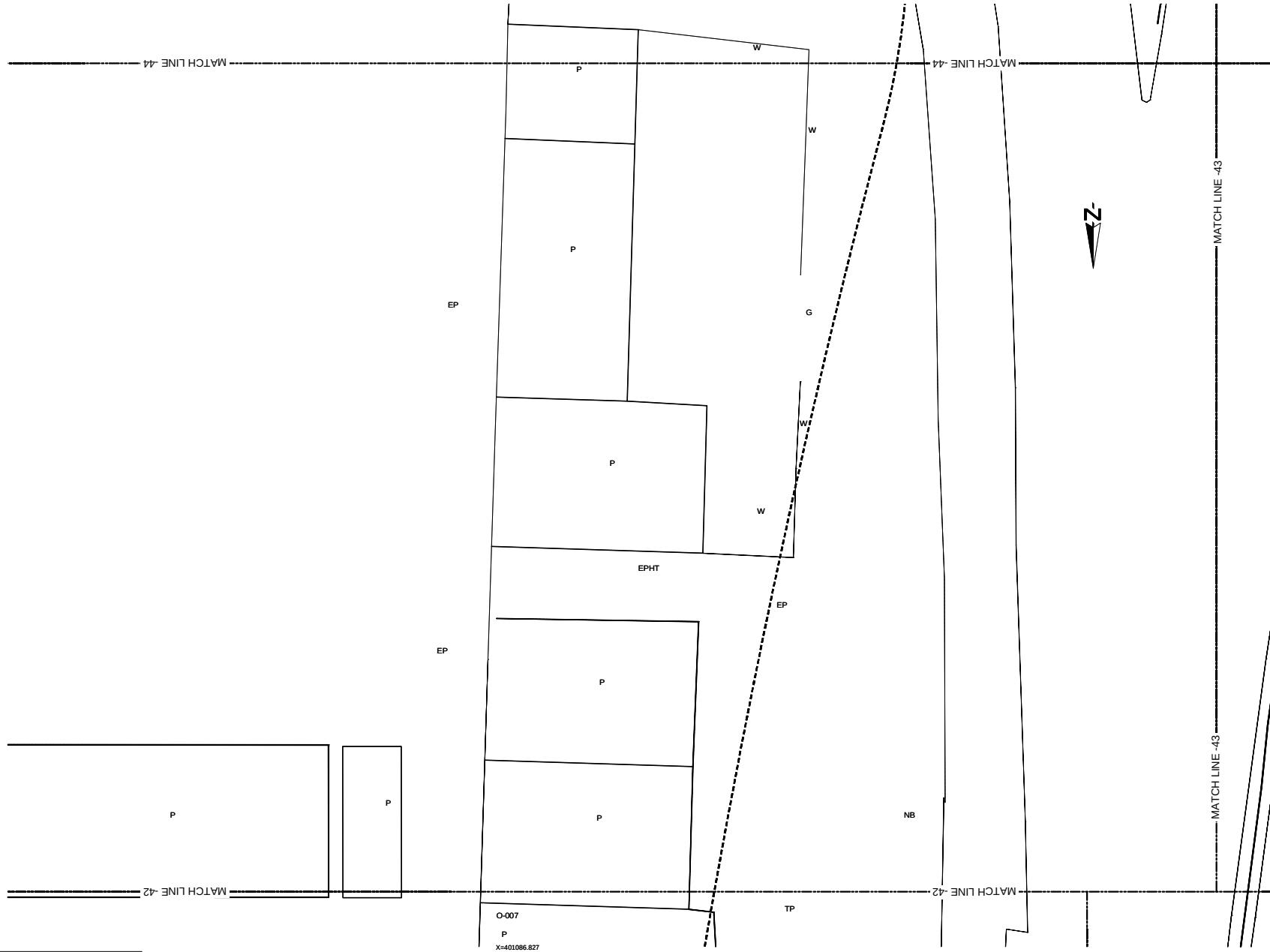
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

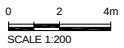
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-053**

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- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDABS --- RDA (Boundary Stone)
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 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
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 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWMT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
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 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
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 - GBW --- Gabion Wall
 - EF --- Electric Fence
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 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
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Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICONCONSUL Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

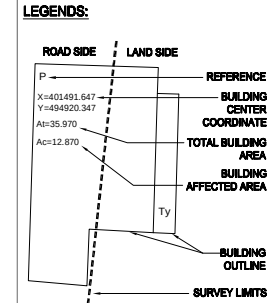
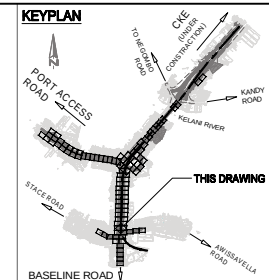
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

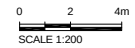
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-055**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDABS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRF --- Transformer
 - PB --- Pylon Base
 - FH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - M-W --- Manhole Water
 - M-H --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CL --- Culvert
 - MD --- Masonry Drain
 - ED --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - OPL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
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 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON CONSULTANTS
Oriental Consultants Co., Ltd.

CEA
Consulting Engineers & Architects Associated (Pvt) Ltd.

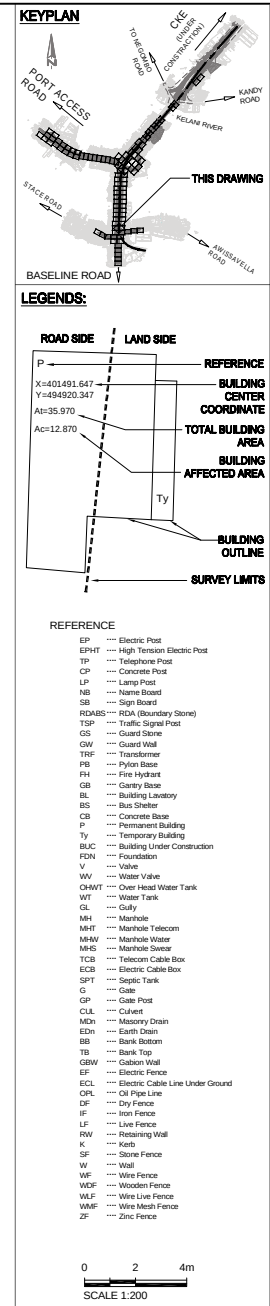
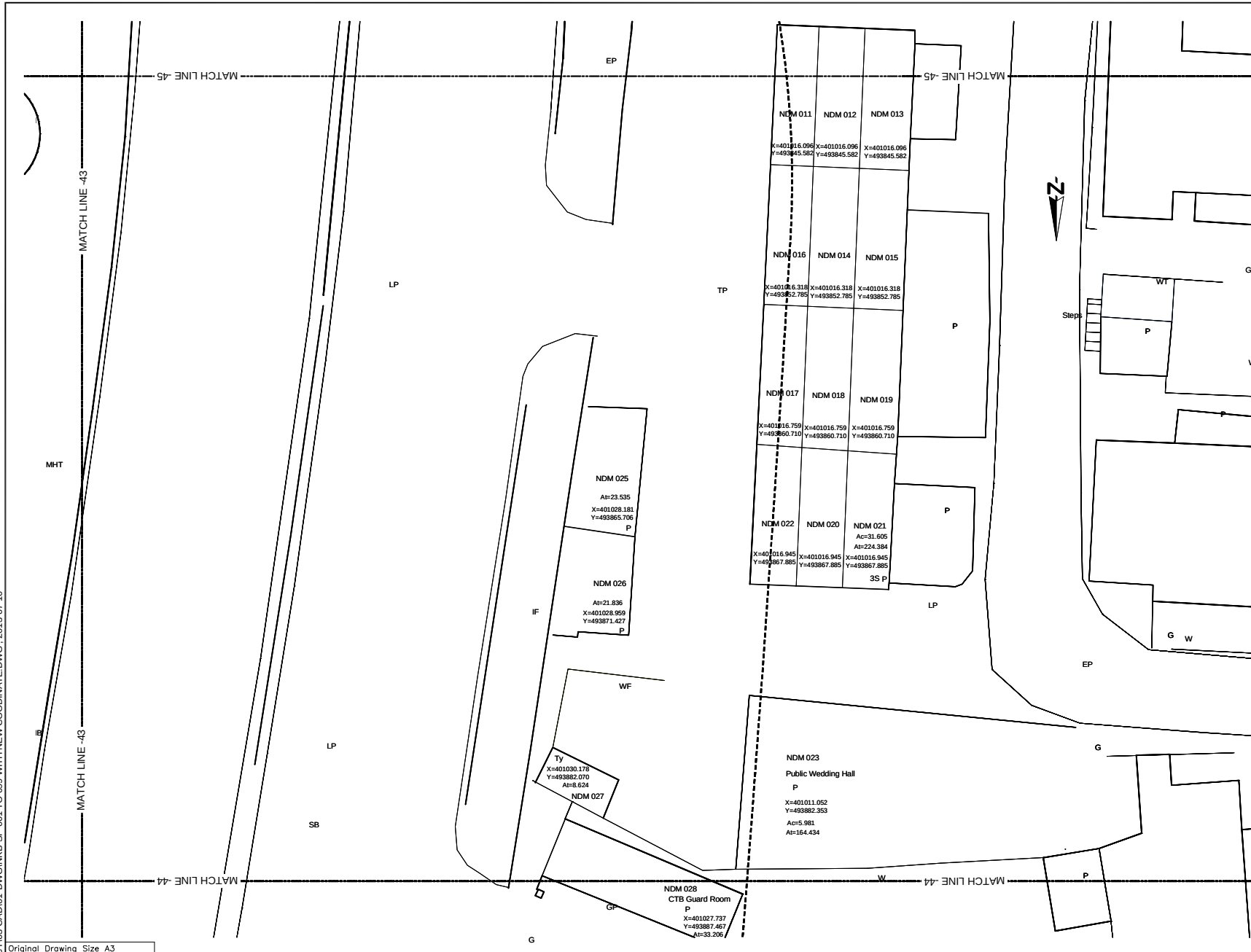
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-056**

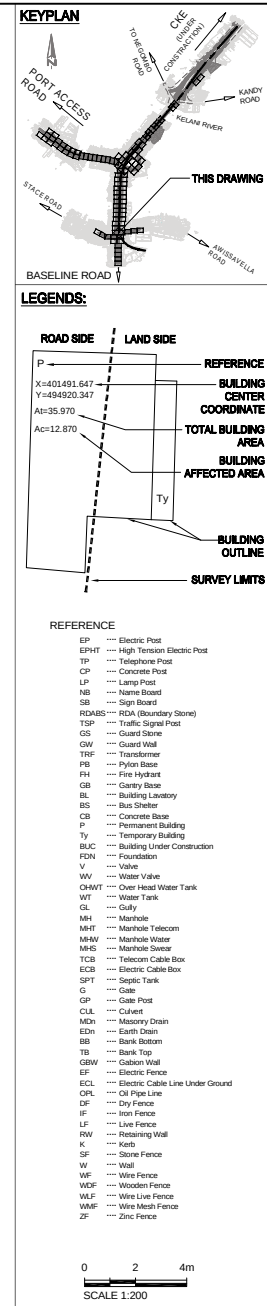
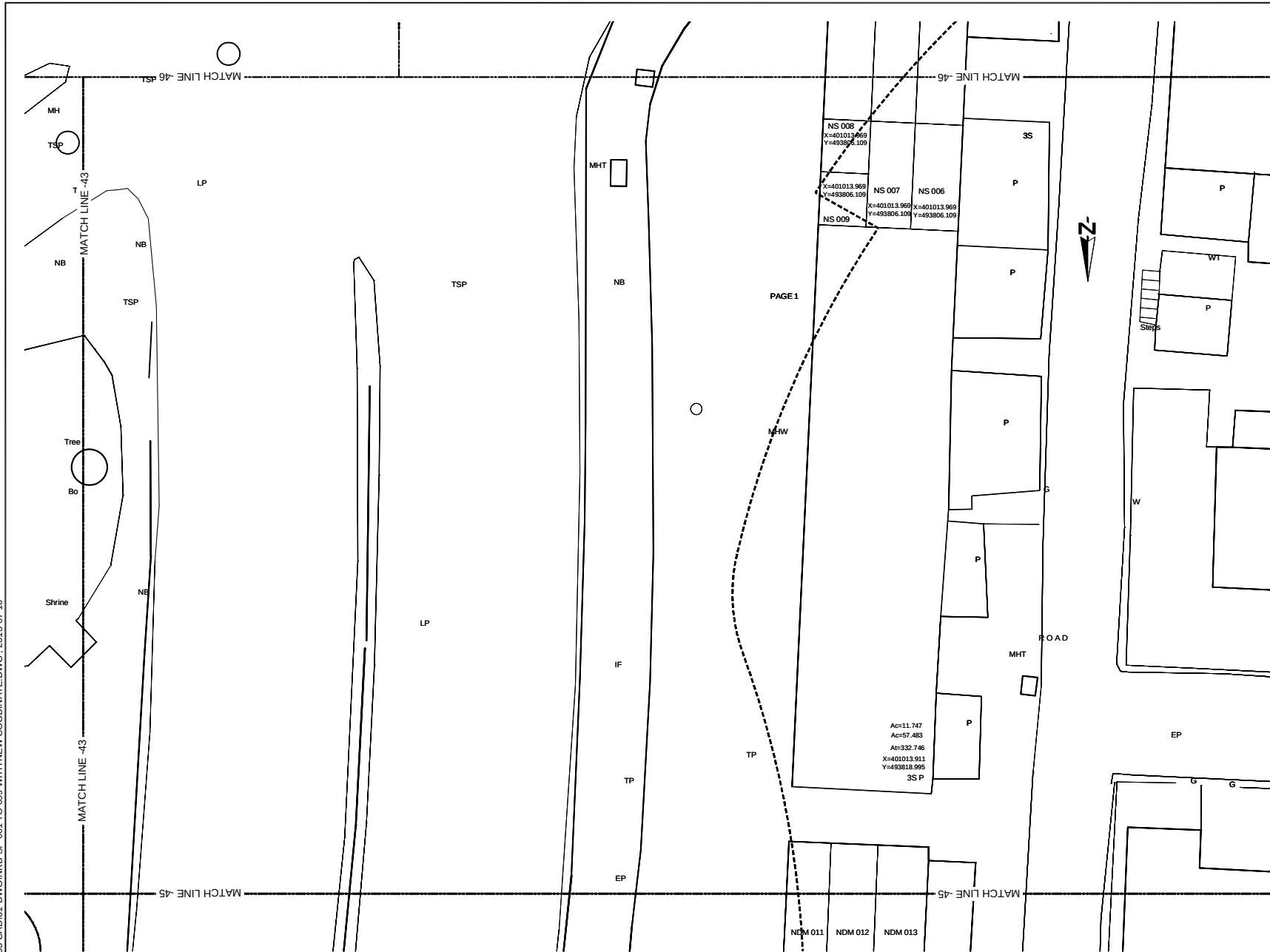
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Original Drawing Size A3

	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority		Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.	PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE			TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE	
				NO			DRG. NO :	
				DATE			NKB-SP-057	
				DESCRIPTION				

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Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

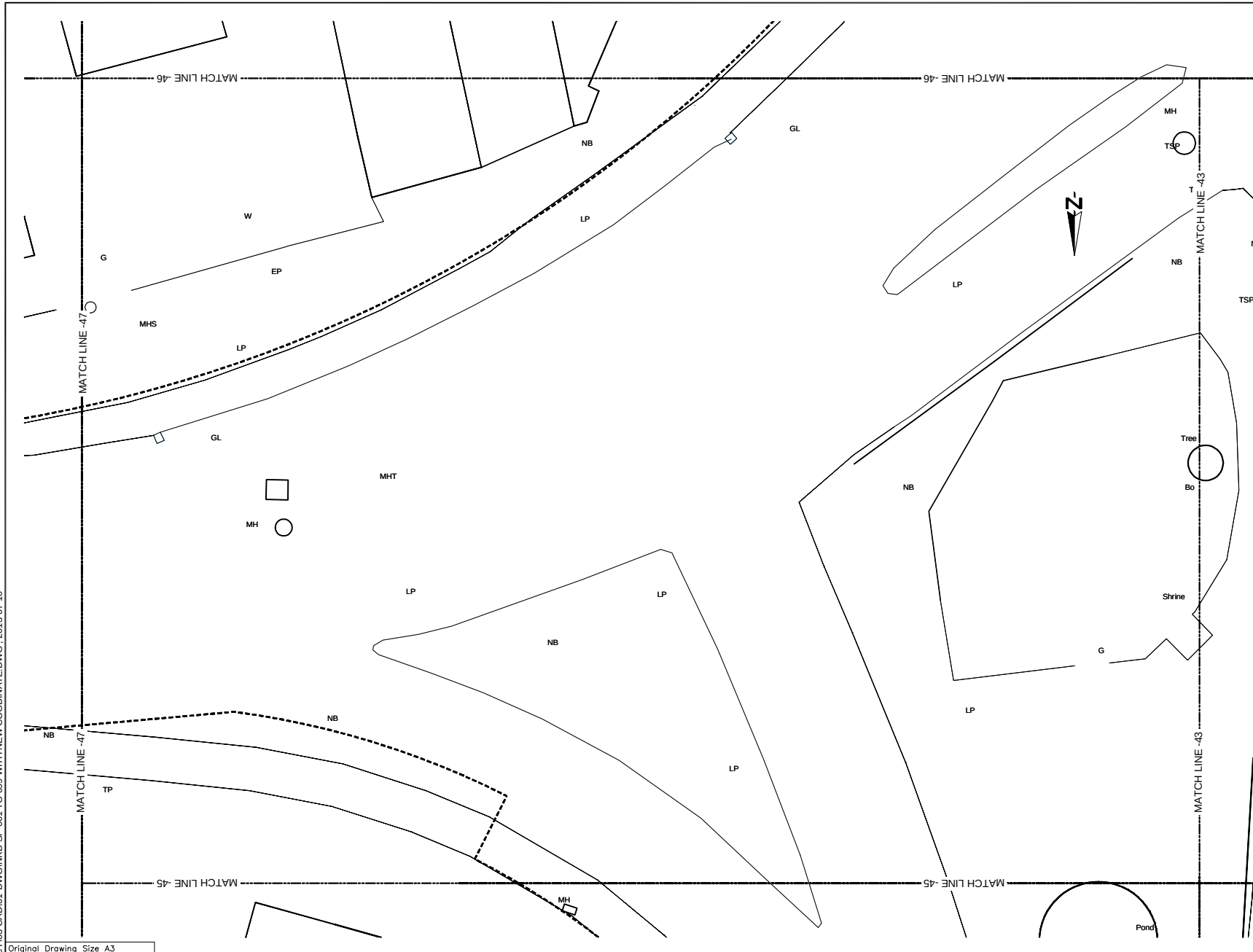
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PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-058**

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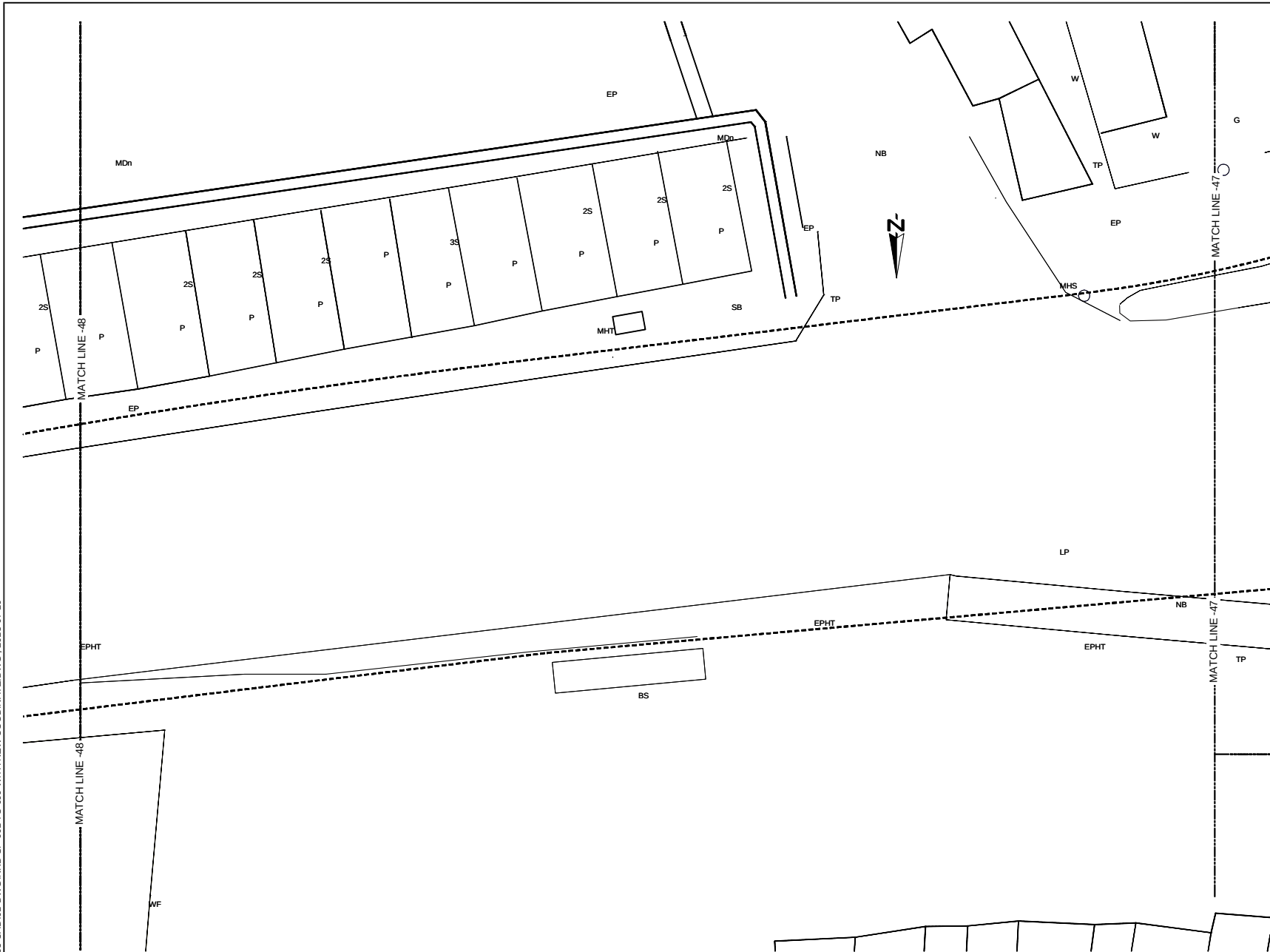


KEYPLAN

LEGENDS:
ROAD SIDE
P
X=401491.647
Y=494920.347
Alt=35.970
Acc=12.870
LAND SIDE
Ty
REFERENCE
BUILDING CENTER COORDINATE
TOTAL BUILDING AREA
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0 2 4m
SCALE 1:200



Original Drawing Size A3



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority



Oriental Consultants Co., Ltd.



Consulting Engineers &
Architects Associated (Pvt) Ltd.

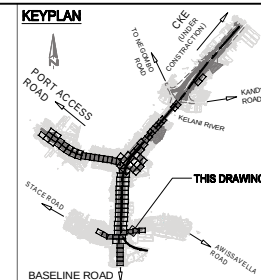
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PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

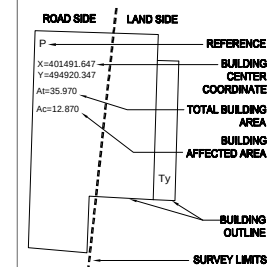
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

NKB-SP-060

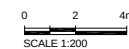


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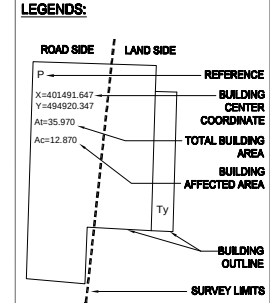
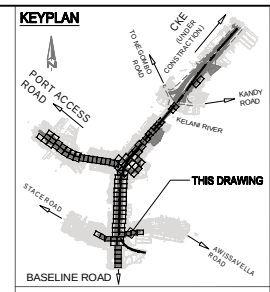


REFERENCE

- EPH — Electric Post
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 C — Concrete Post
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 NB — Nail Board
 S — Sign Board
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 BL — Building Wall
 BS — Base
 C — Concrete Base
 P — Foundation
 T — Temporary Building
 BUC — Building Under Construction
 FOV — Foundation
 V — Value
 WV — Value Wall
 QWWT — Over Head Water Tank
 WL — Water Tank
 GT — Gate
 MH — Manhole
 MHT — Manhole Telecom
 JMW — Junction Manhole
 MHS — Manhole Service
 TCS — Telecom Cable Box
 EC — Electric Cable
 SPT — Split Tank
 G — Gate
 GP — Gate Post
 CLN — Culvert
 MCH — Manhole
 EDH — Earth Dam
 BE — Bottom
 TB — Top
 GBW — Gabion Wall
 EP — Electric Fence
 ECL — Electric Line Under Ground
 OPL — Oil Pipe Line
 DP — Drift Pipe
 IF — Iron Fence
 LF — Live Fence
 RW — Running Wall
 K — Keab
 SP — Stone Fence
 W — Wall
 WF — Wire Fence
 WEF — Wire Fence
 WLF — Wire Fence Line
 W — Wire Mesh Fence



U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BU	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMF	Wire Mesh Fence
ZF	Zinc Fence

Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-061**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
OHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

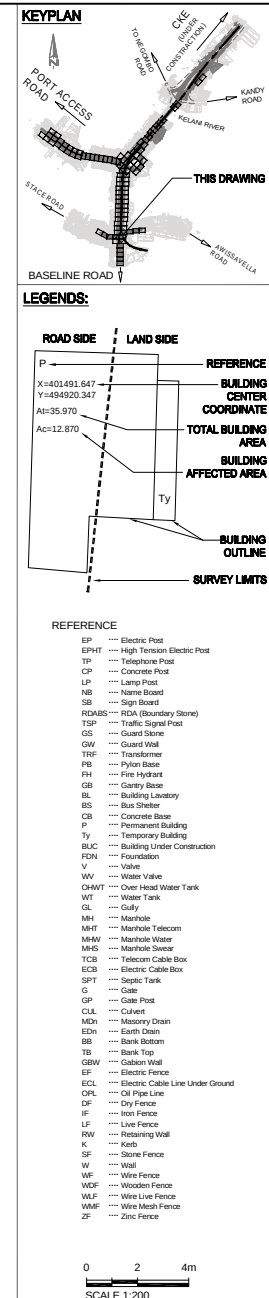
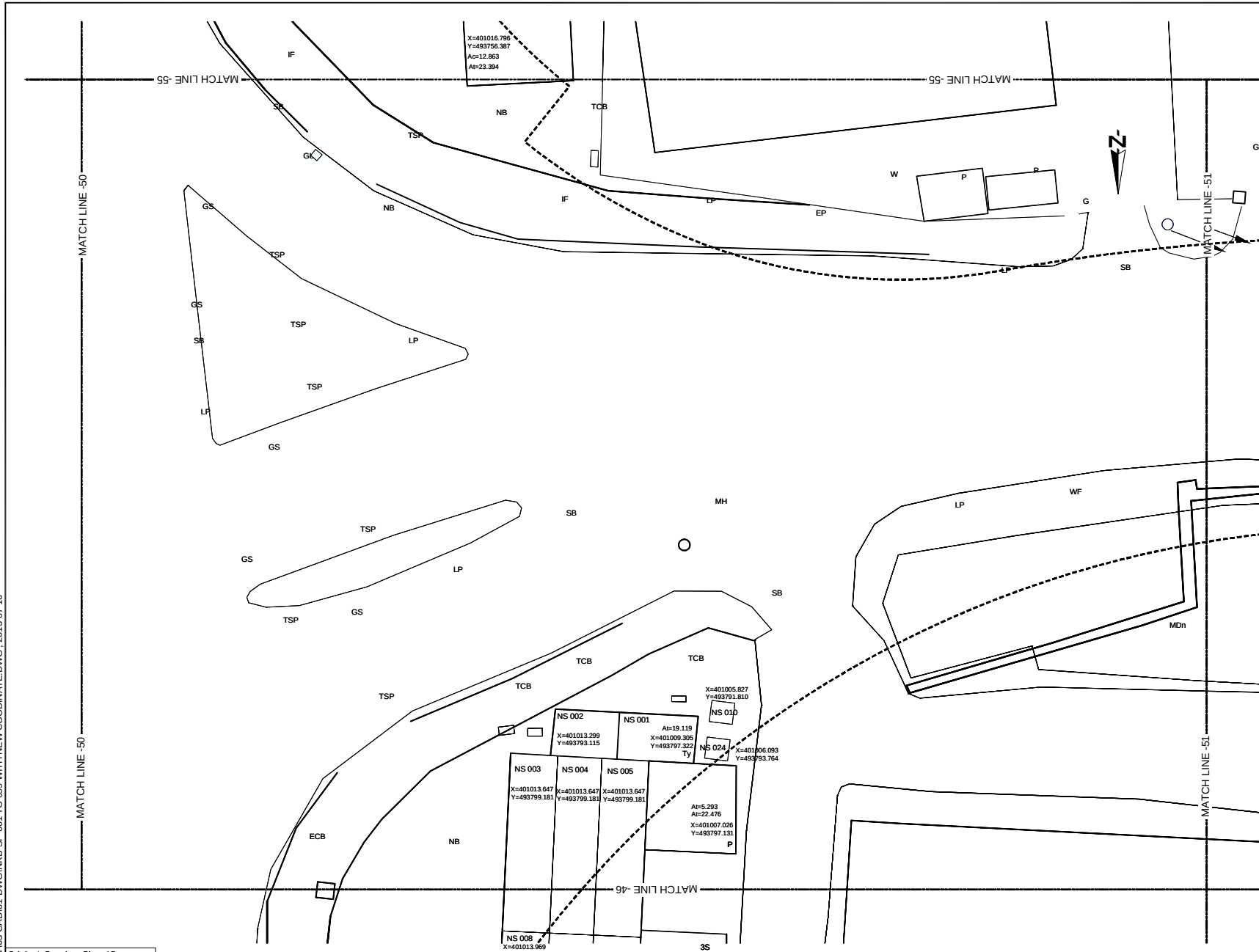
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDMS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRF	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Labyrinth
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
M-W	Manhole Water
M-H	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MDN	Masonry Drain
EDN	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EP	Electric Fence
ECL	Electric Cable Line Under Ground
OPL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Reinforcing Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



Original Drawing Size A3



Oriental Consultants Co., Ltd.



Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

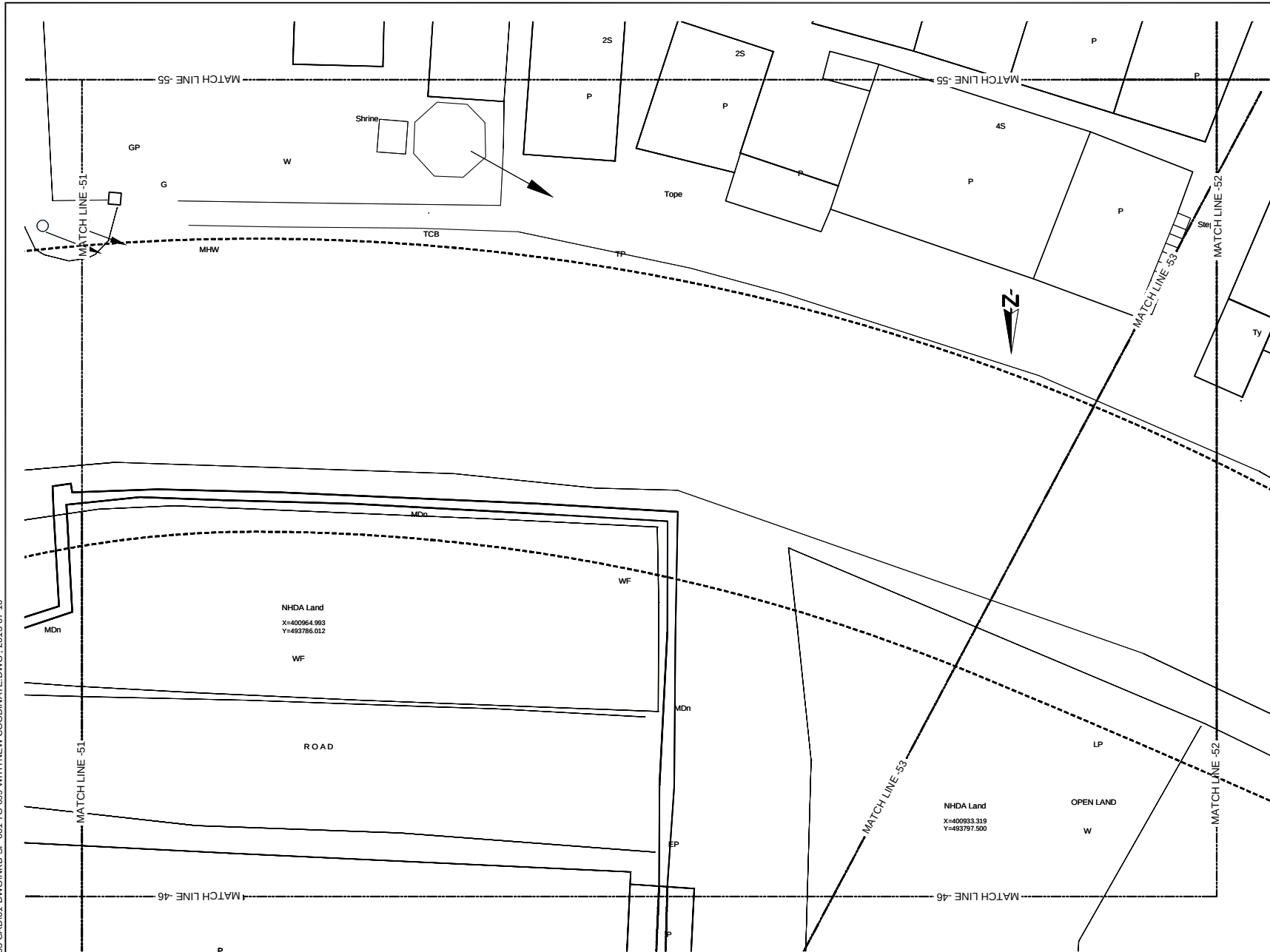
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

NKB-SP-064

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

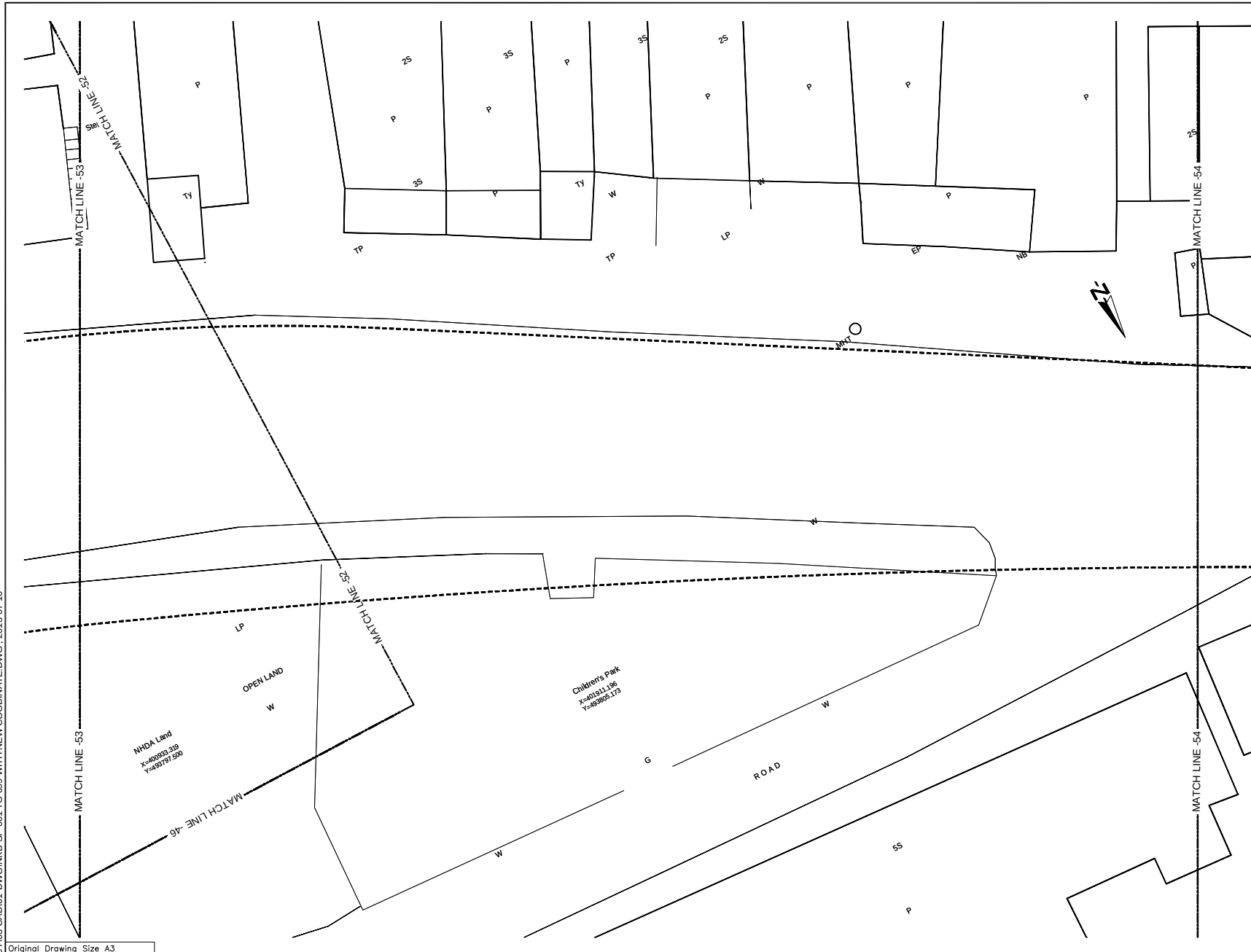
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
ROADS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
GHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDn --- Masonry Drain
EDn --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
ROADS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE DRG. NO : NKB-SP-066
		NO	DATE	DESCRIPTION		

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

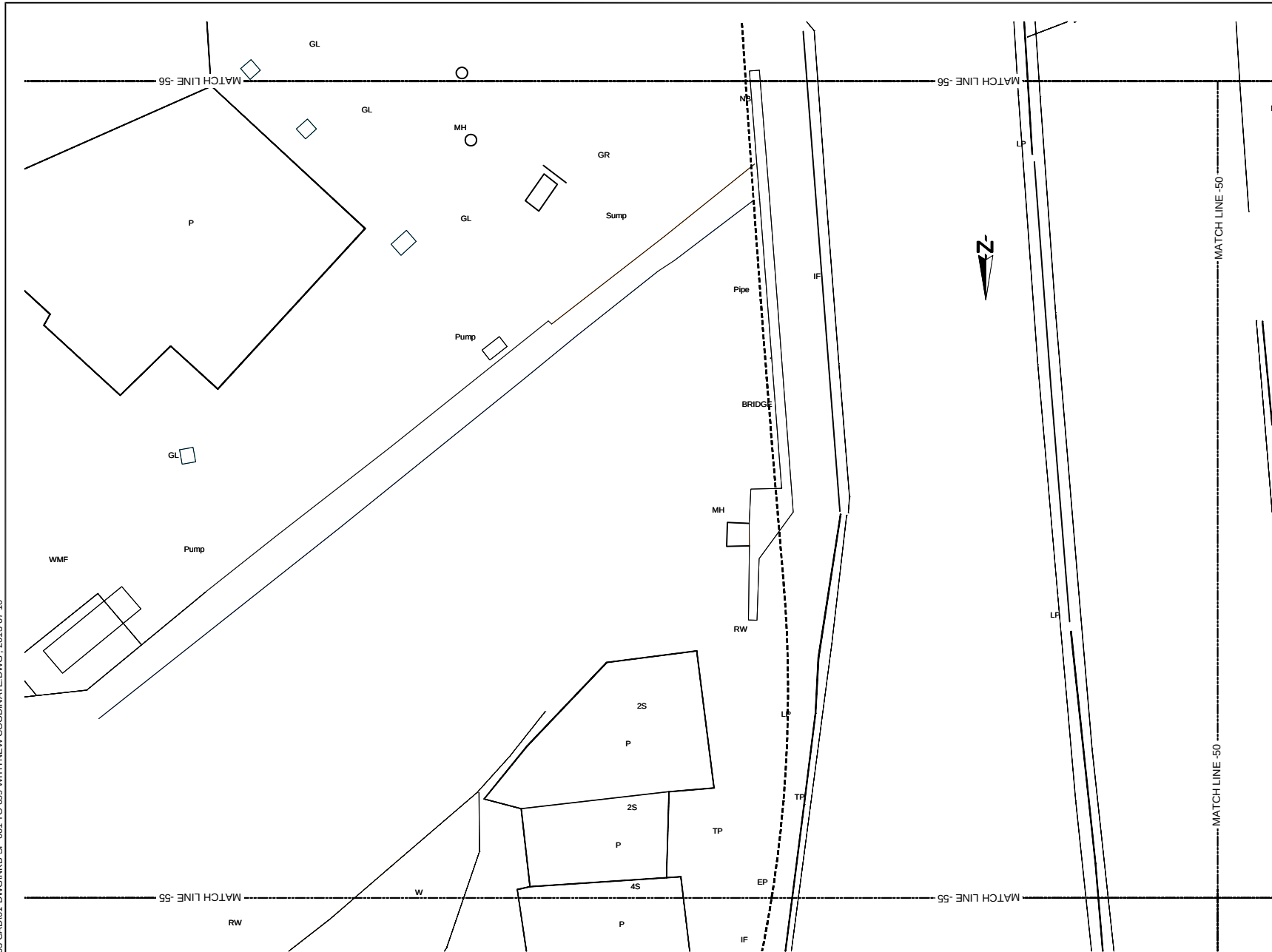
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

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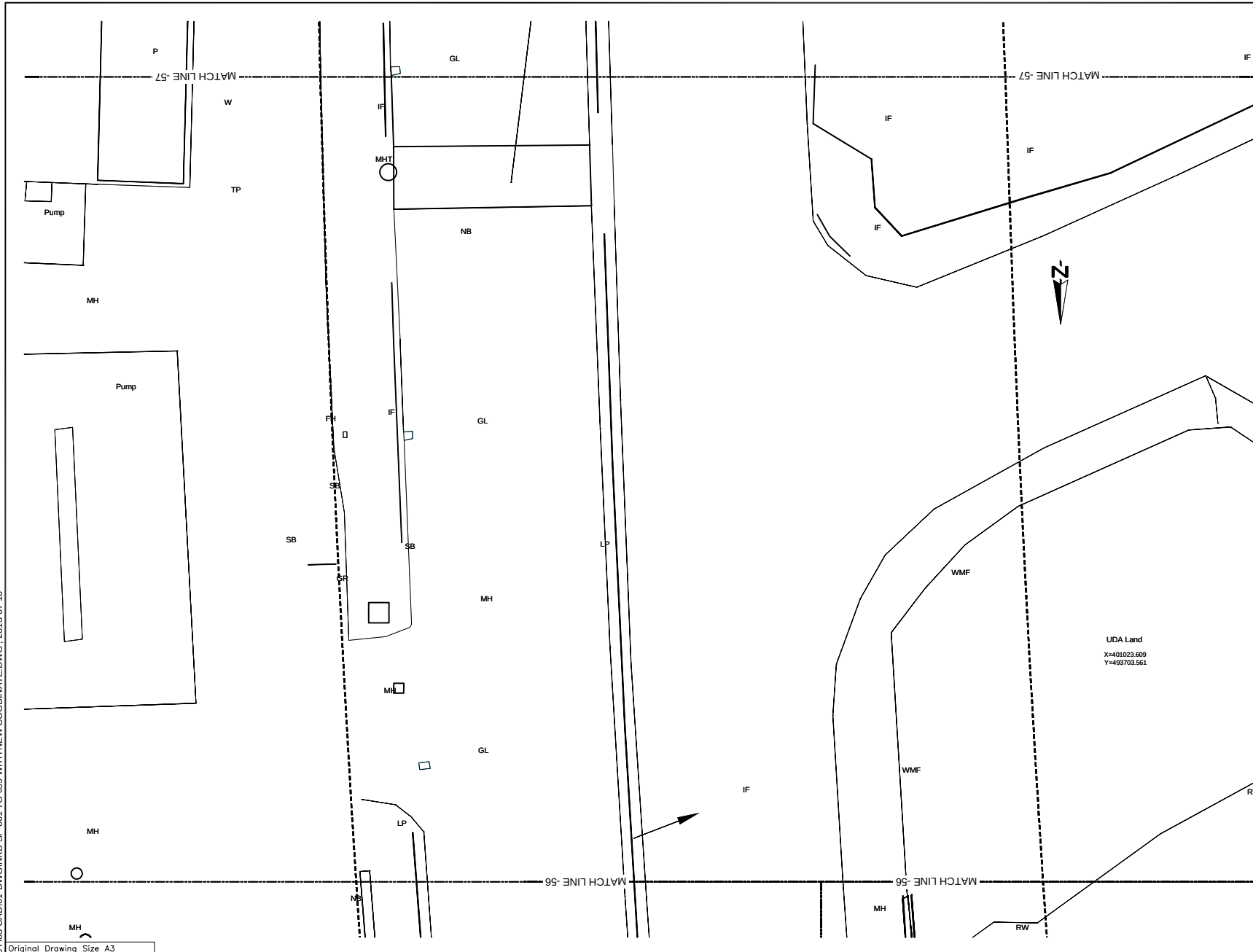
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ROAD SIDE	LAND SIDE	REFERENCE
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Ty		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WDF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

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KEYPLAN

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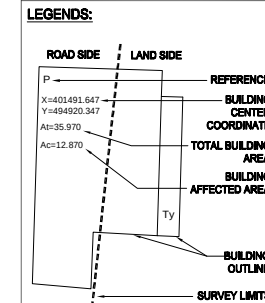
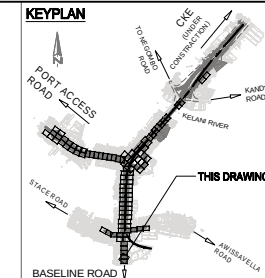
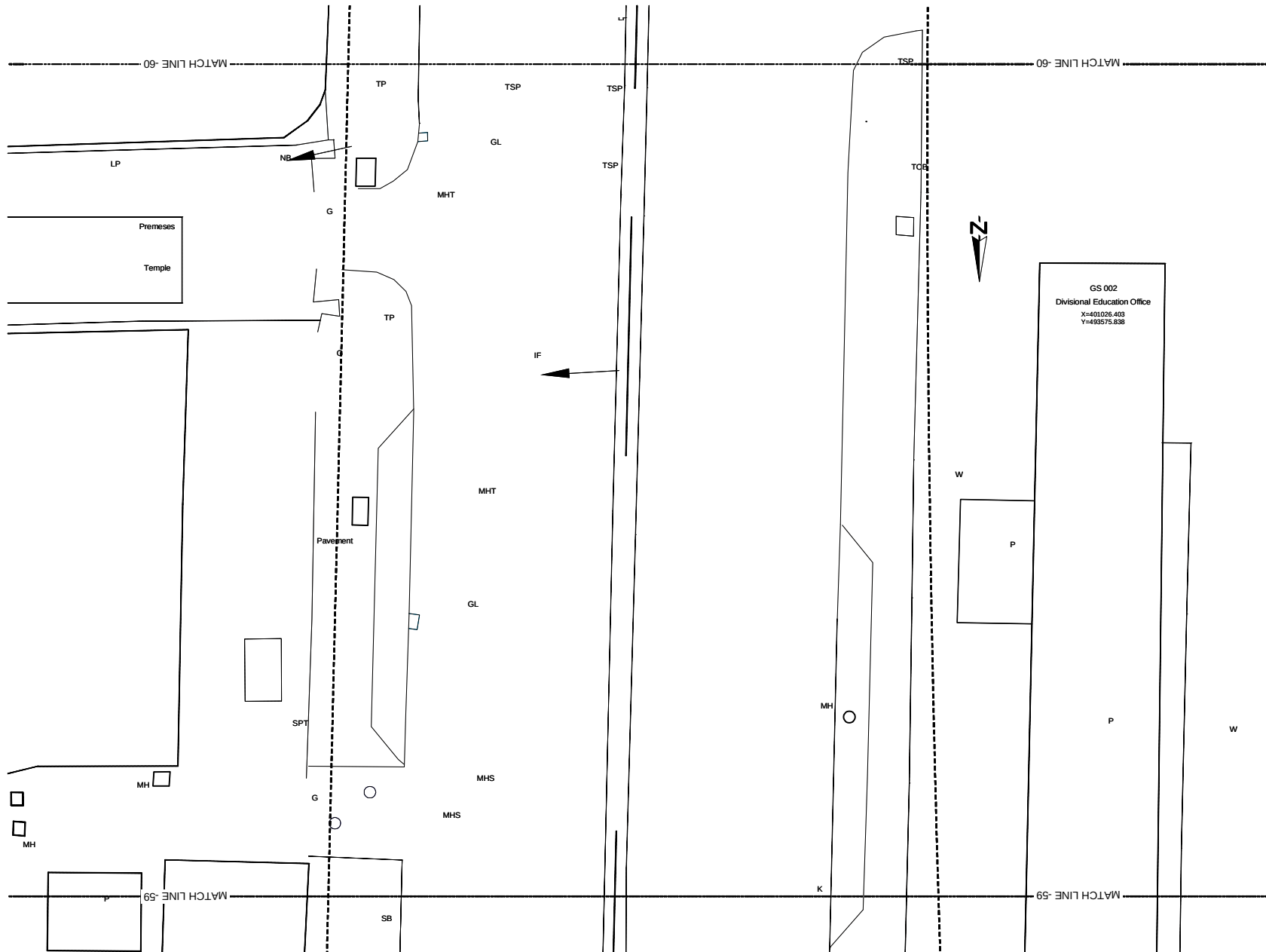
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
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CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMF	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BU --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWHT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CL --- Culvert
 - MD --- Masonry Drain
 - ED --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - CBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WDF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence

0 2 4m
SCALE 1:200

Original Drawing Size A3



Oriental Consultants Co., Ltd.



Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

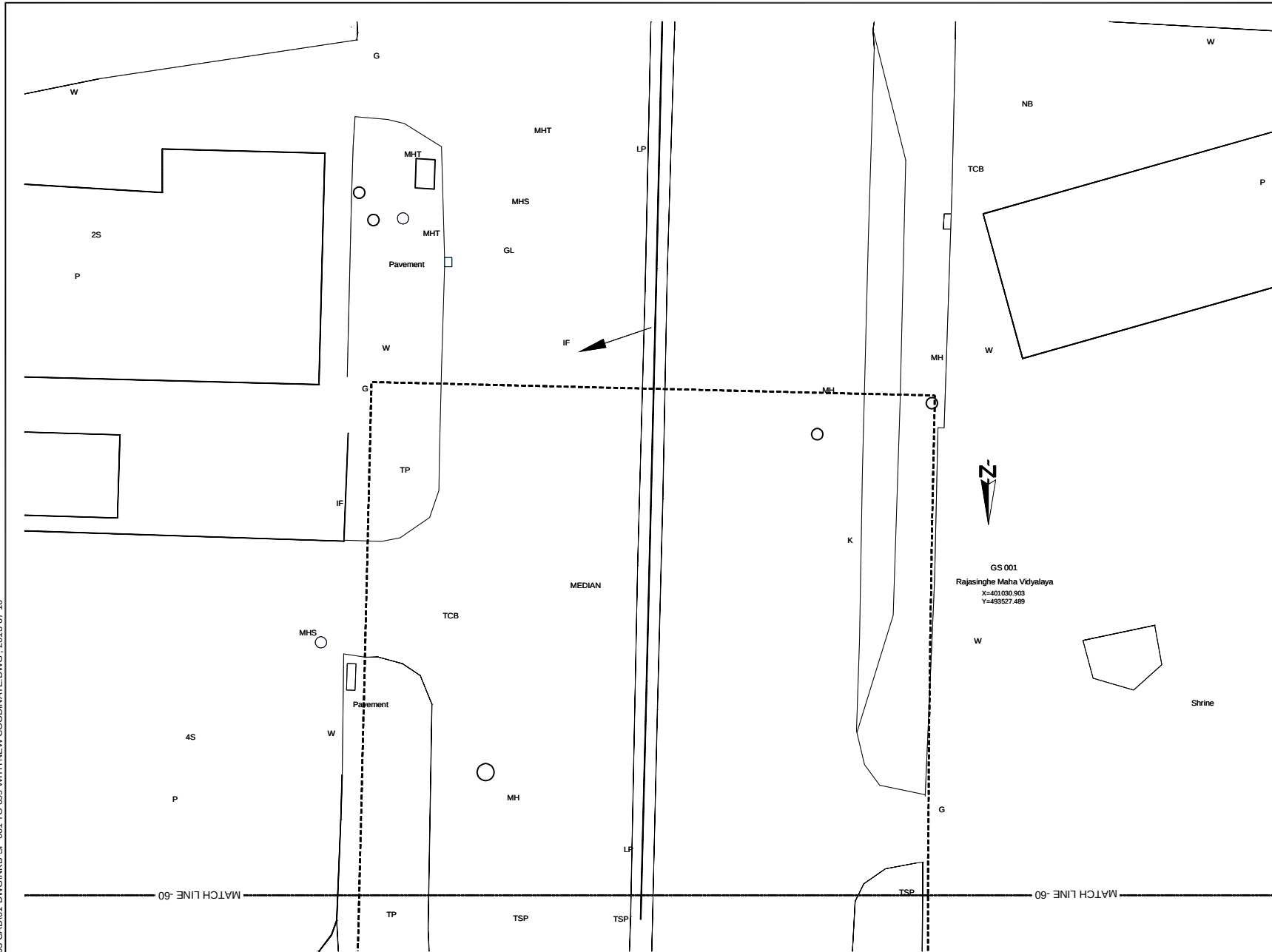
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

NKB-SP-073

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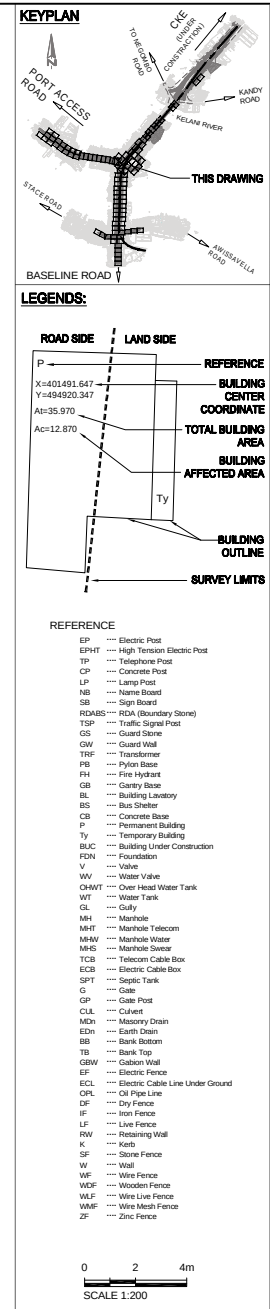
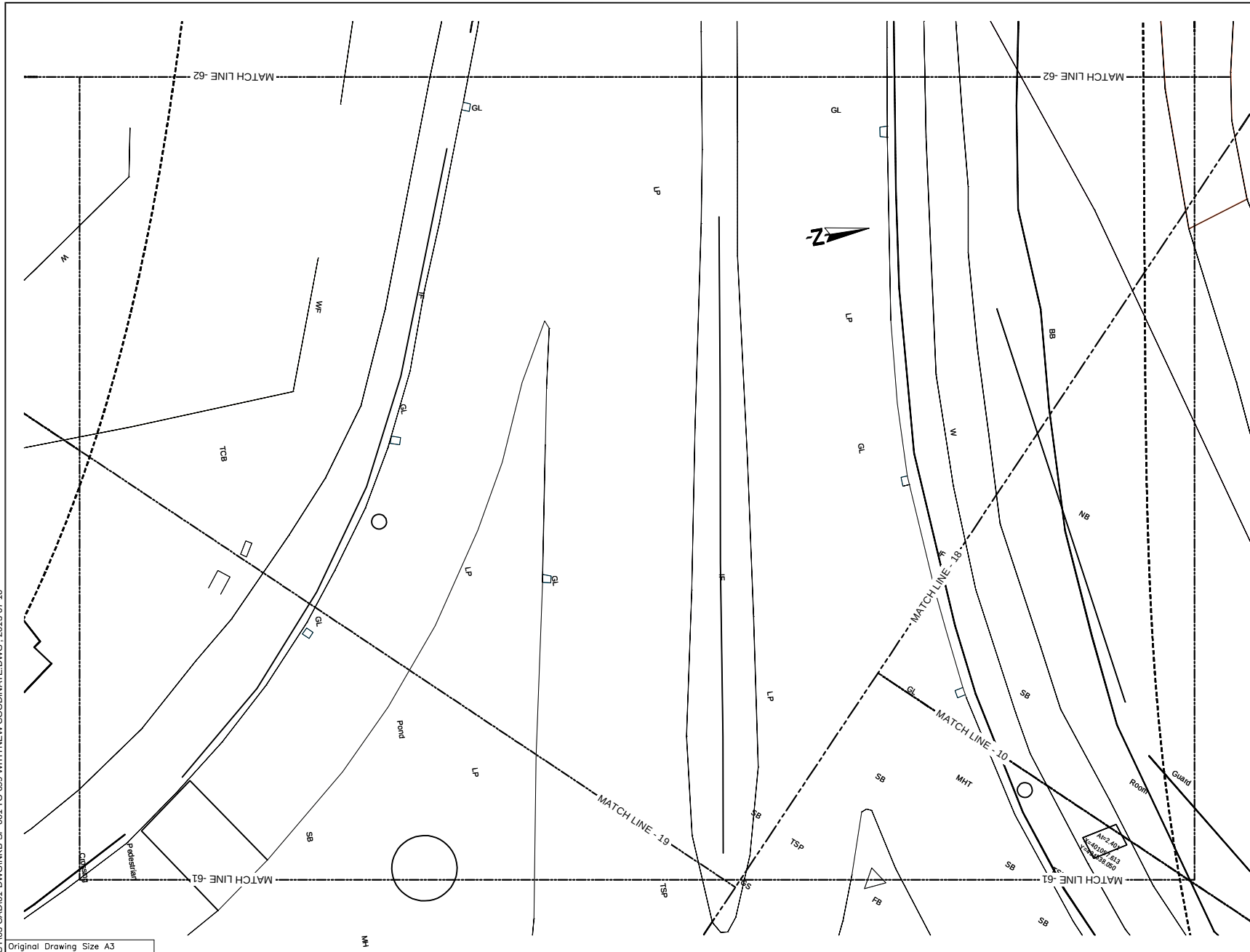
KEYPLAN

LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P	X=401491.647	BUILDING CENTER COORDINATE
Y=494920.347		TOTAL BUILDING AREA
Alt=35.970		BUILDING AFFECTED AREA
Ac=12.870		BUILDING OUTLINE
	Ty	SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDAB --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MD --- Masonry Drain
ED --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICON CONSULTANTS

Oriental Consultants Co., Ltd.

CEA Consulting Engineers & Architects Associated (Pvt) Ltd.

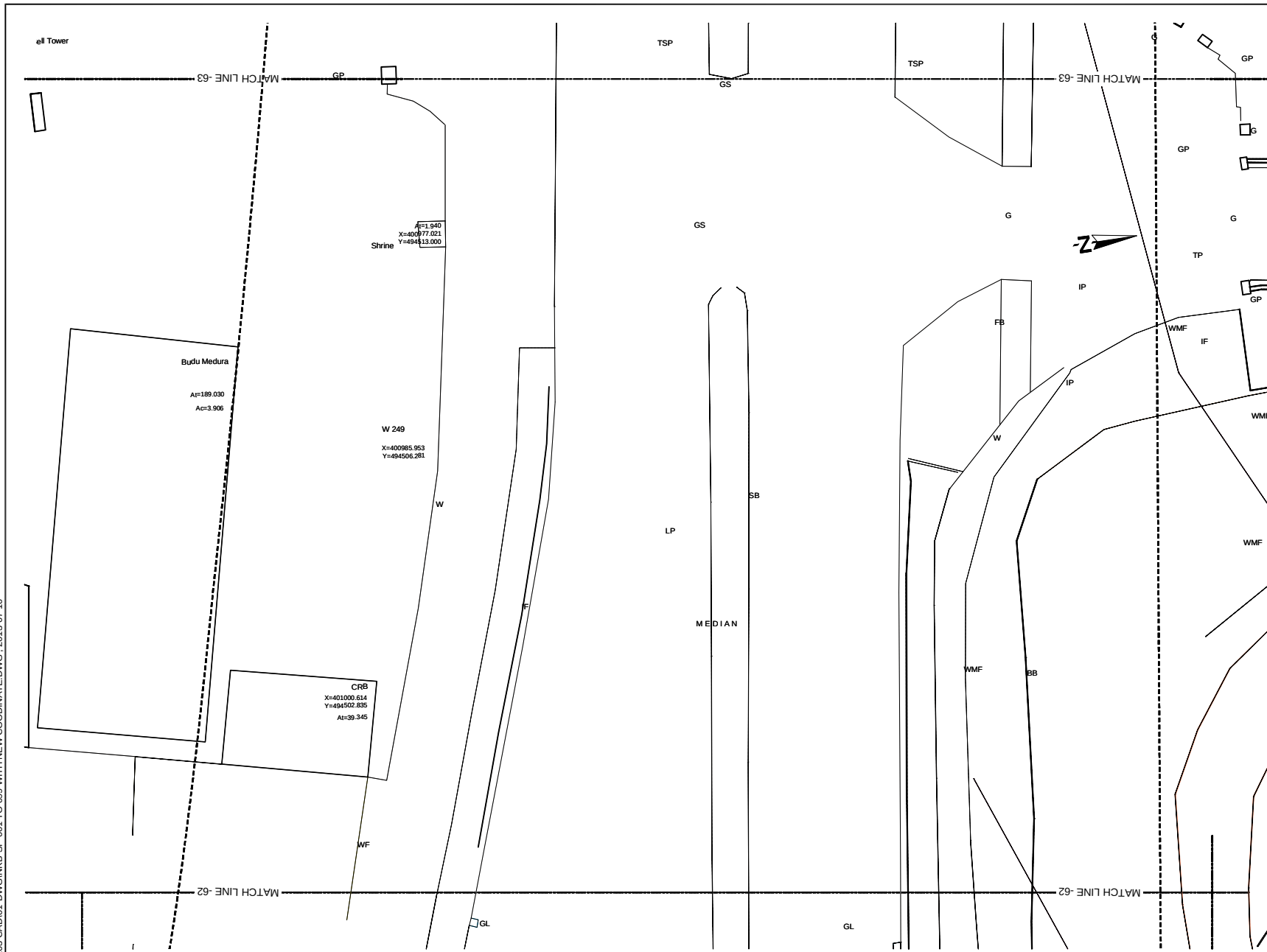
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : NKB-SP-075

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

PORT ACCESS ROAD
BASELINE ROAD
KELANI RIVER
KANDY ROAD
ARUNAVALLA ROAD
THIS DRAWING

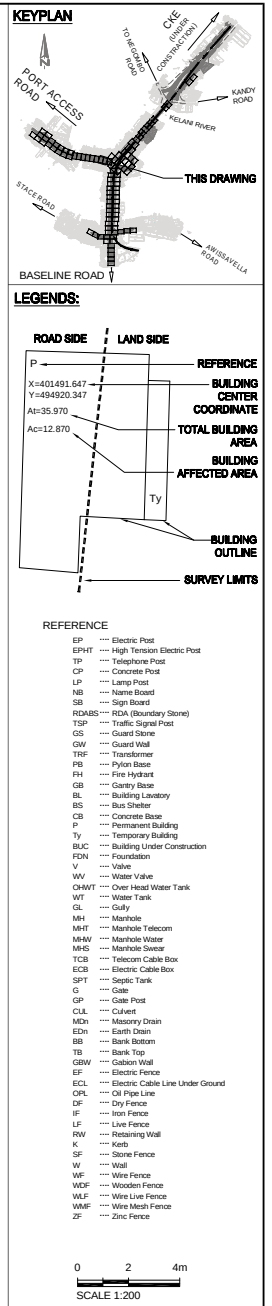
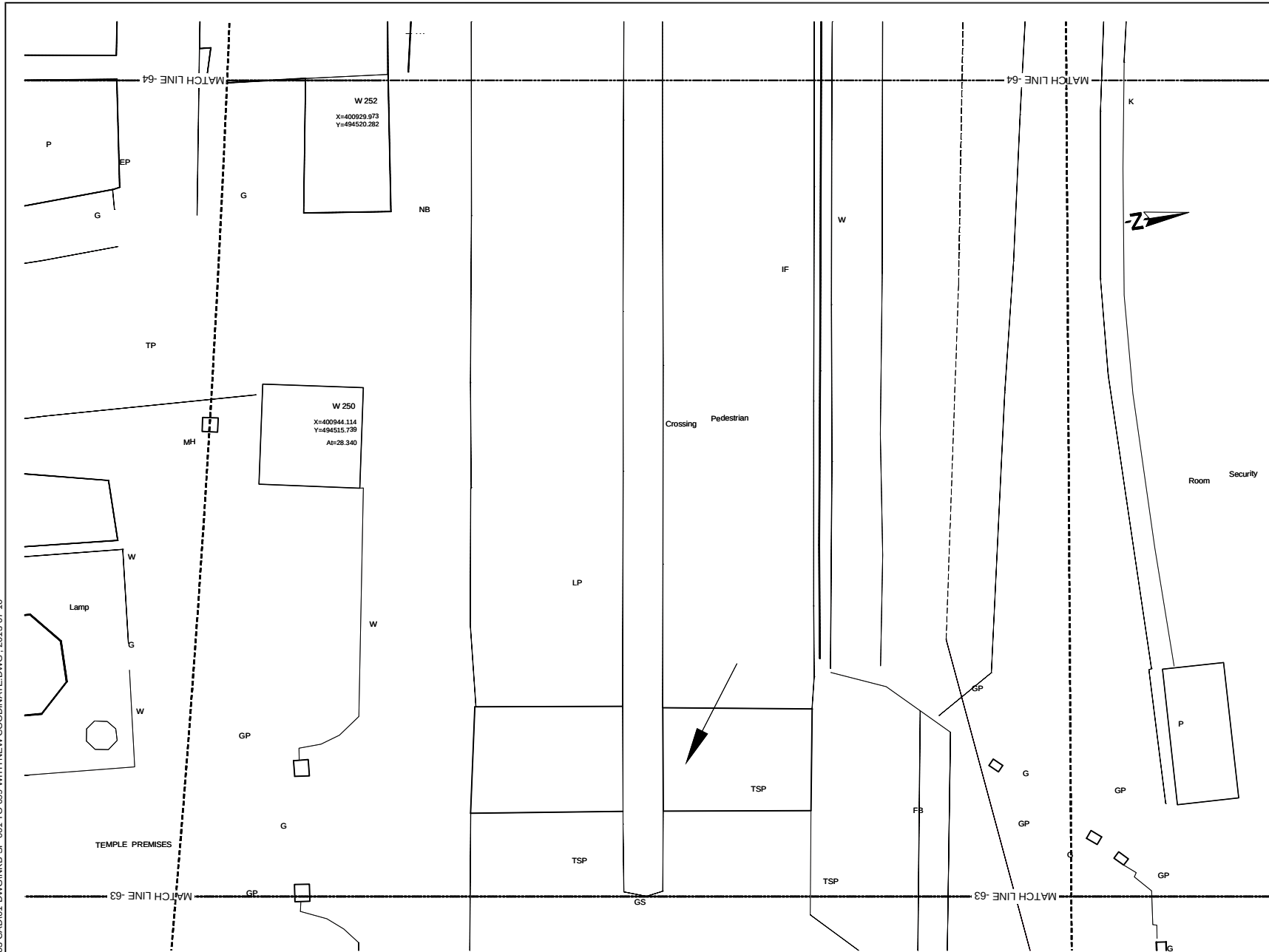
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P	X=401491.647 Y=494920.347 A=35.970 Ac=12.870	BUILDING CENTER COORDINATE
Ty		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

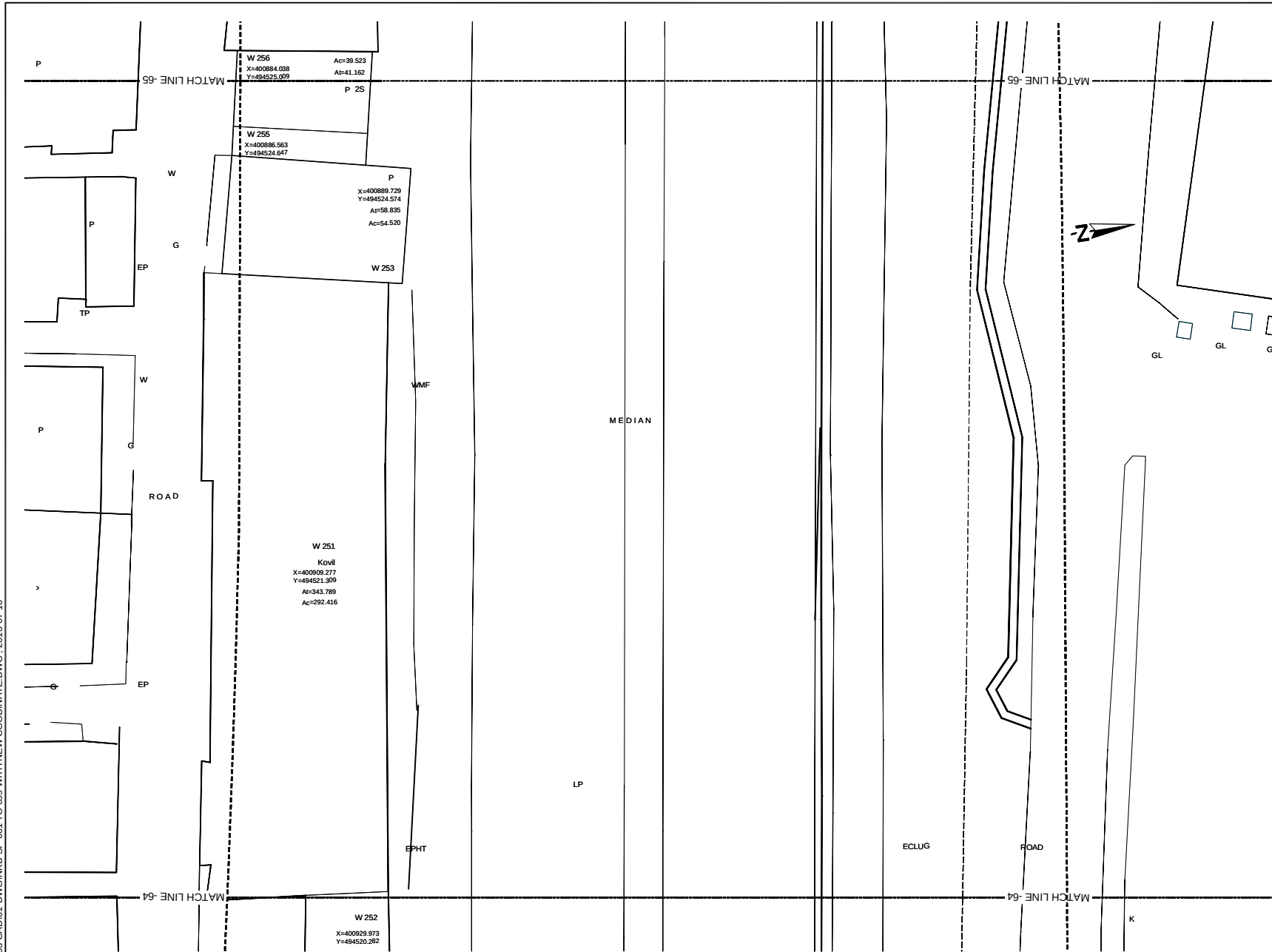
REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WDF --- Wooden Fence
WLF --- Wire Live Fence
WMF --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE

- P --- Building Center Coordinate
- X=401491.647
- Y=494920.347
- At=35.970
- Ac=12.870

LAND SIDE

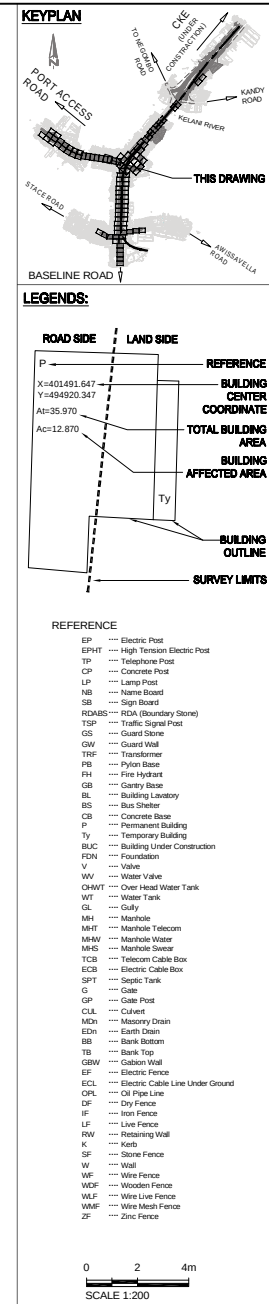
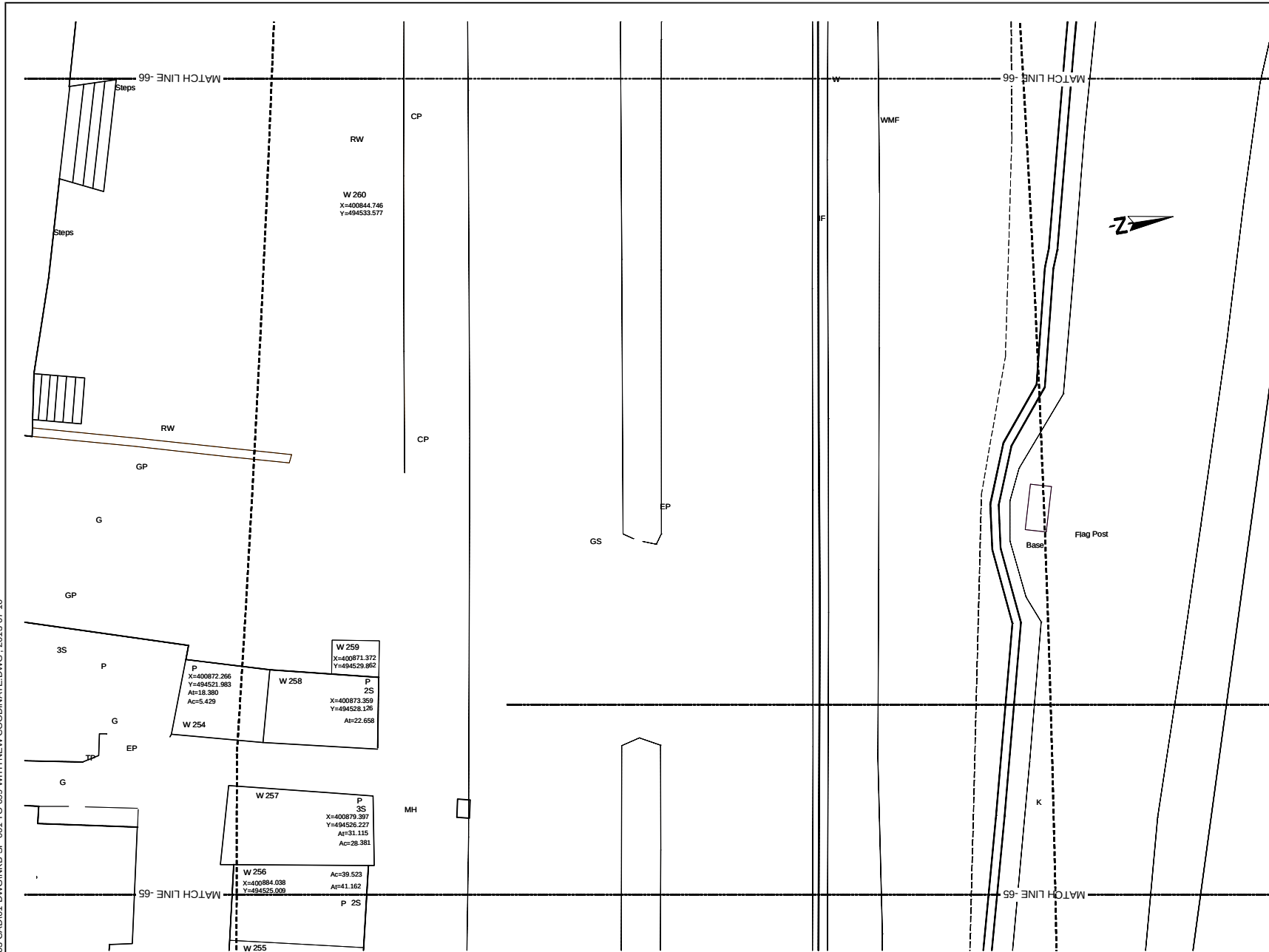
- REFERENCE
- BUILDING CENTER COORDINATE
- TOTAL BUILDING AREA
- BUILDING AFFECTED AREA
- BUILDING OUTLINE
- SURVEY LIMITS

REFERENCE

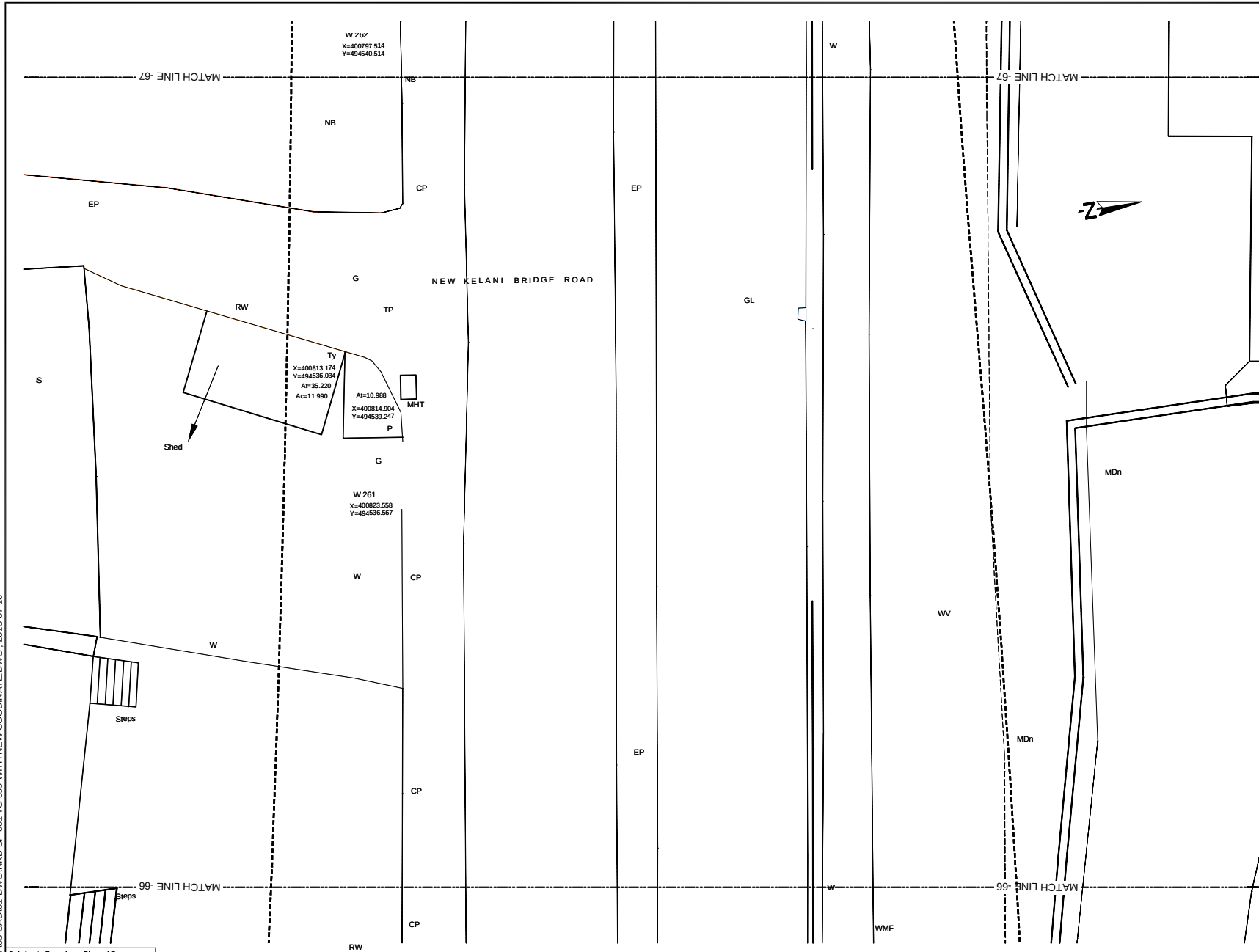
- EP --- Electric Post
- EPHT --- High Tension Electric Post
- TP --- Telephone Post
- CP --- Concrete Post
- LP --- Lamp Post
- NB --- Name Board
- SB --- Sign Board
- ROADS --- RDA (Boundary Stone)
- TSP --- Traffic Signal Post
- GS --- Guard Stone
- GW --- Guard Wall
- TRE --- Transformer
- PB --- Pylon Base
- PH --- Fire Hydrant
- GB --- Gantry Base
- BL --- Building Labyrinth
- BS --- Bus Shelter
- CB --- Concrete Base
- P --- Permanent Building
- Ty --- Temporary Building
- BUC --- Building Under Construction
- FDN --- Foundation
- V --- Valve
- WV --- Water Valve
- OWMT --- Over Head Water Tank
- WT --- Water Tank
- GL --- Gully
- MH --- Manhole
- MHT --- Manhole Telecom
- MHW --- Manhole Water
- MHS --- Manhole Sewer
- TCB --- Telecom Cable Box
- ECB --- Electric Cable Box
- SPT --- Septic Tank
- G --- Gate
- GP --- Gate Post
- CLL --- Culvert
- MDH --- Masonry Drain
- EDH --- Earth Drain
- BB --- Bank Bottom
- TB --- Bank Top
- GBW --- Gabion Wall
- EF --- Electric Fence
- ECL --- Electric Cable Line Under Ground
- ORL --- Oil Pipe Line
- DF --- Dry Fence
- IF --- Iron Fence
- LF --- Live Fence
- RW --- Retaining Wall
- K --- Kerb
- SF --- Stone Fence
- W --- Wall
- WF --- Wire Fence
- WDF --- Wooden Fence
- WLF --- Wire Live Fence
- WMF --- Wire Mesh Fence
- ZF --- Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

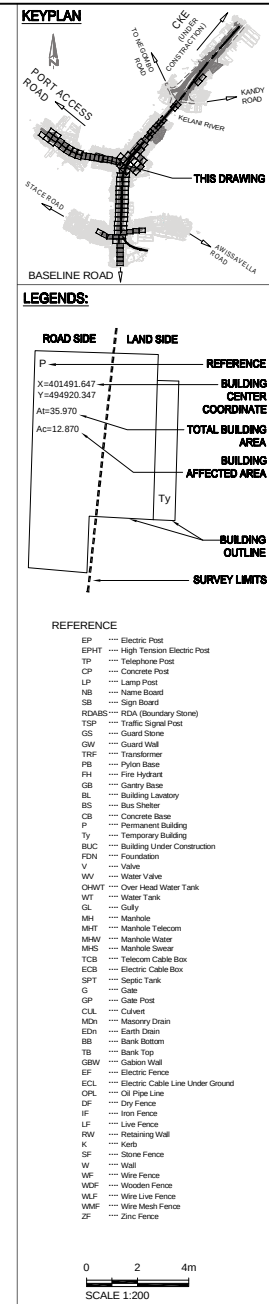
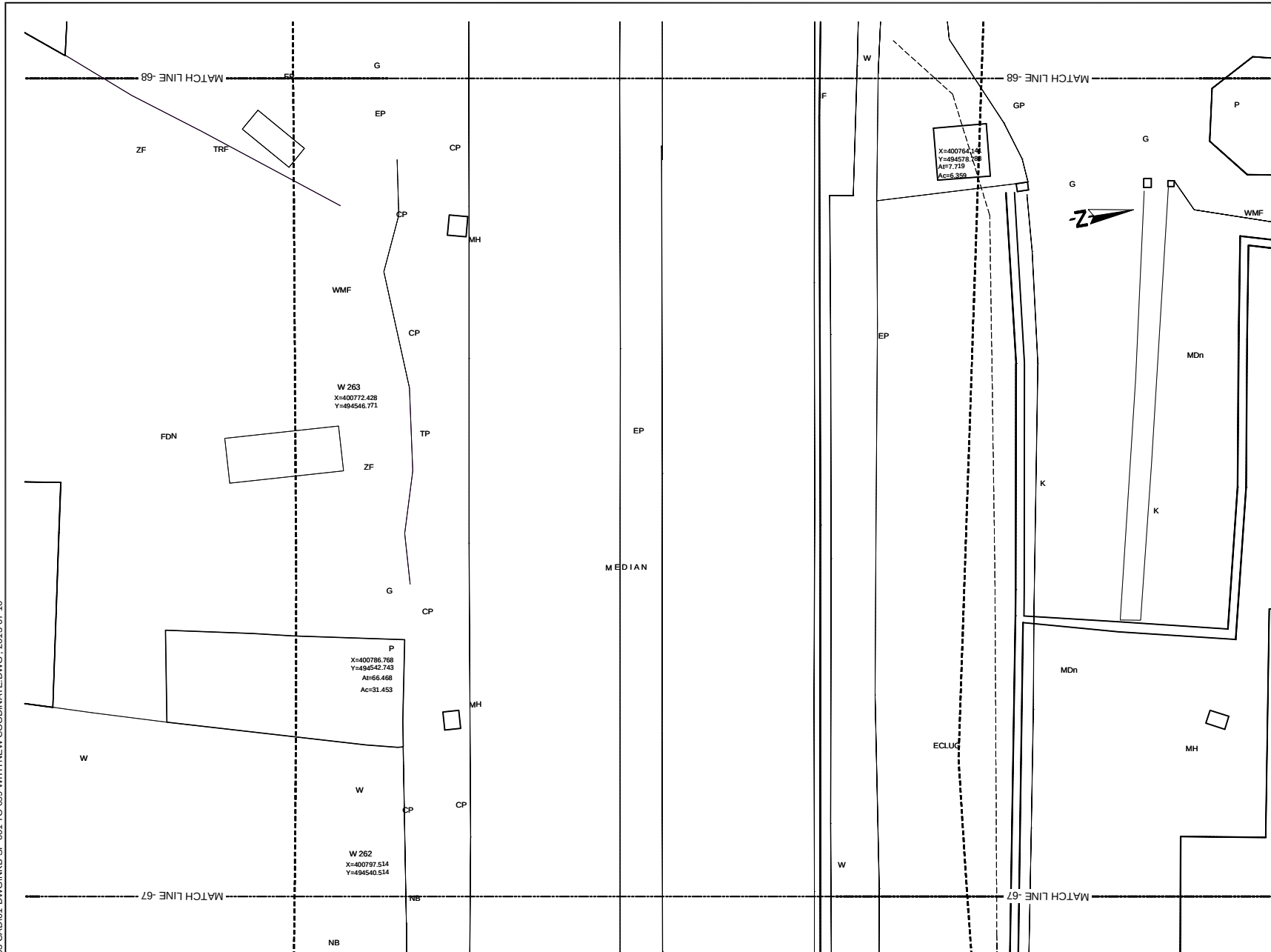
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE

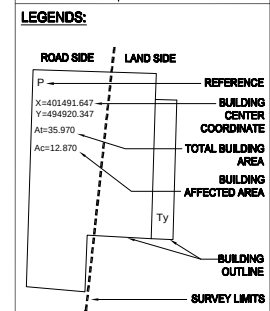
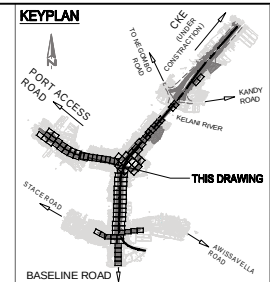
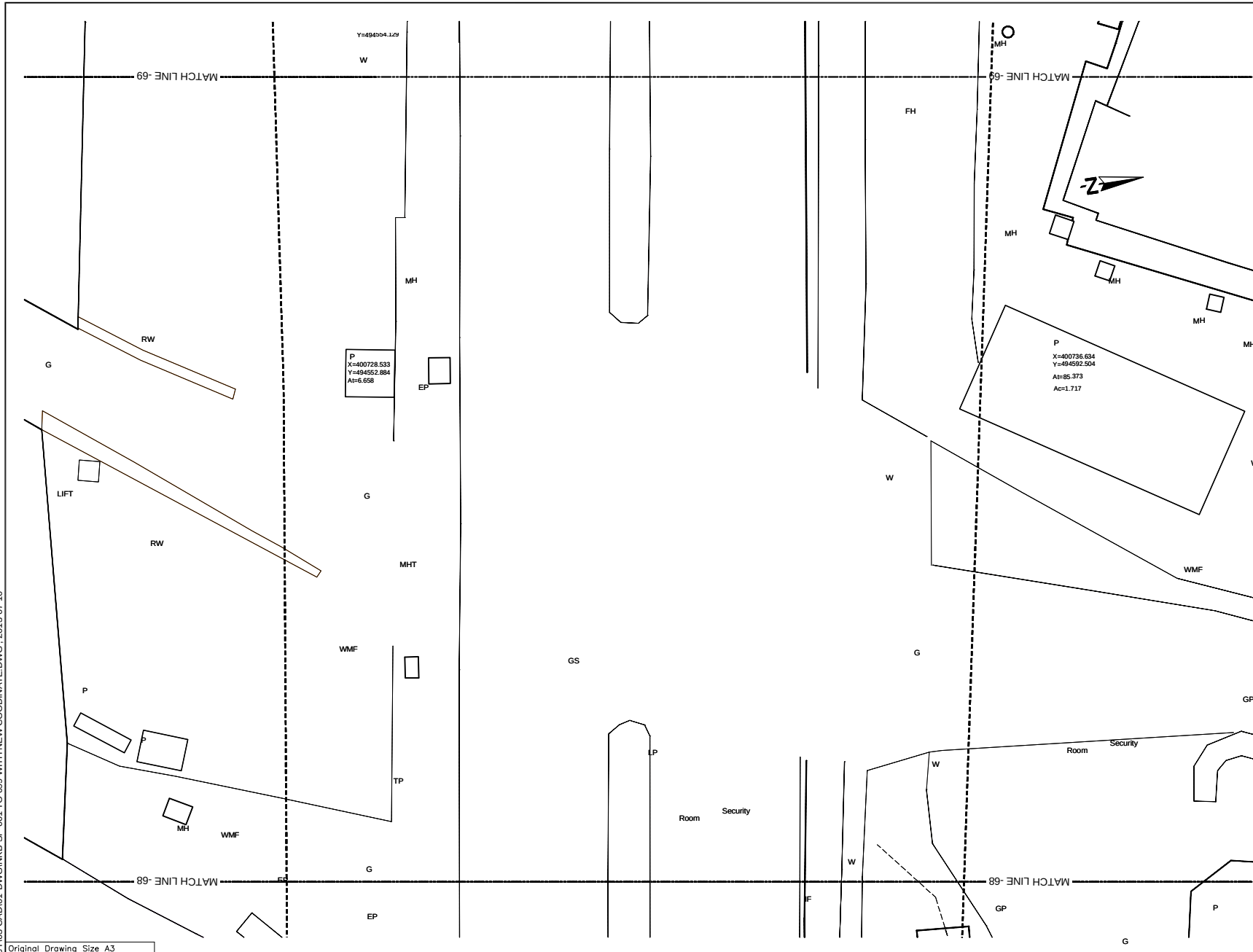
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
RDMS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WW	Water Valve
OWMT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MDn	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
YB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WDF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

0 2 4m
SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG, 2013-07-10



U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	RDA (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
FH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHMT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
M-W	Manhole Water
M-H	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CL	Culvert
MDn	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
TB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
VMF	Wire Mesh Fence
ZF	Zinc Fence

Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICONSL
Oriental Consultants Co., Ltd.

CEA
Consulting Engineers & Architects Associated (Pvt) Ltd.

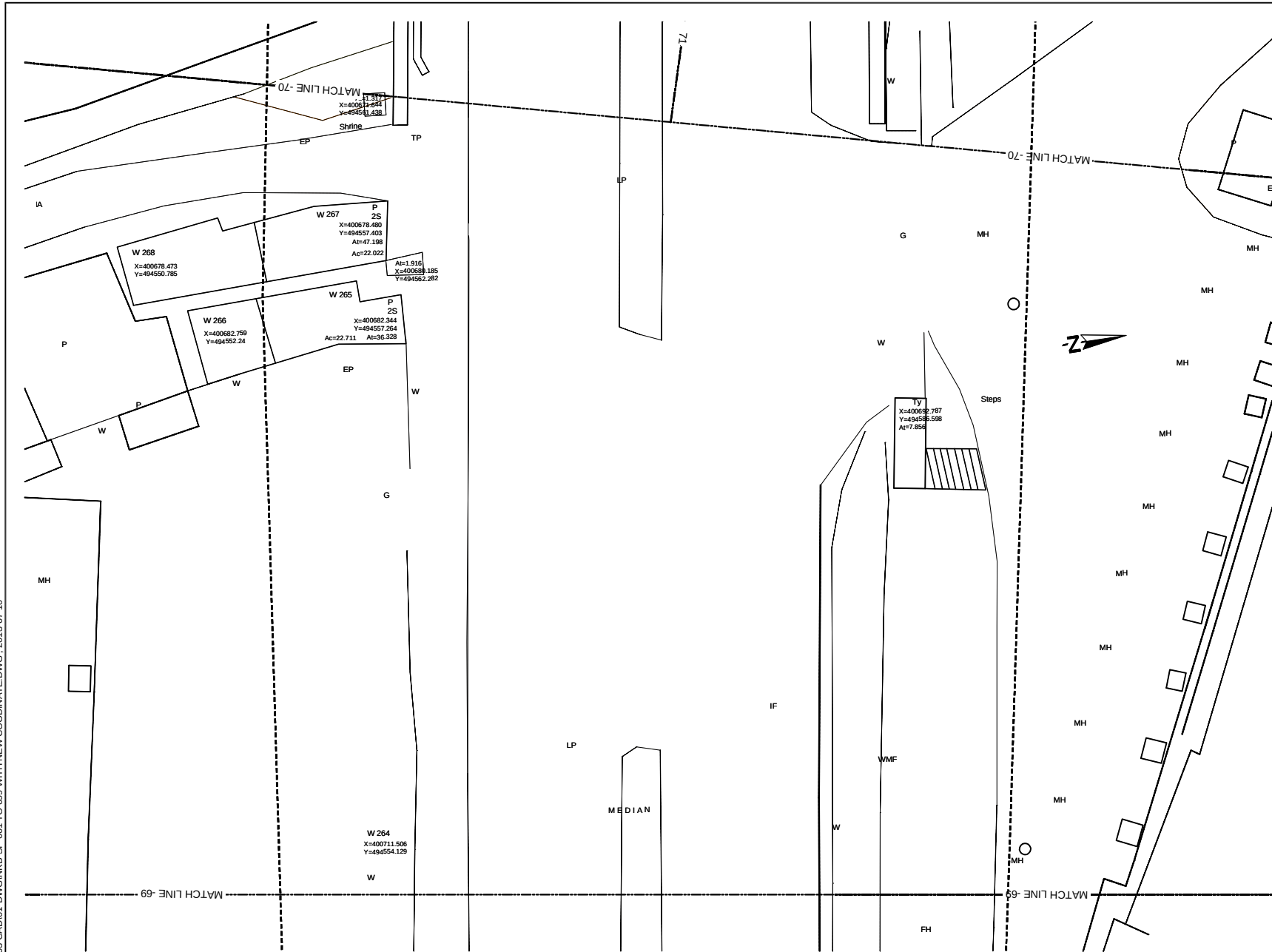
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : NKB-SP-082

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

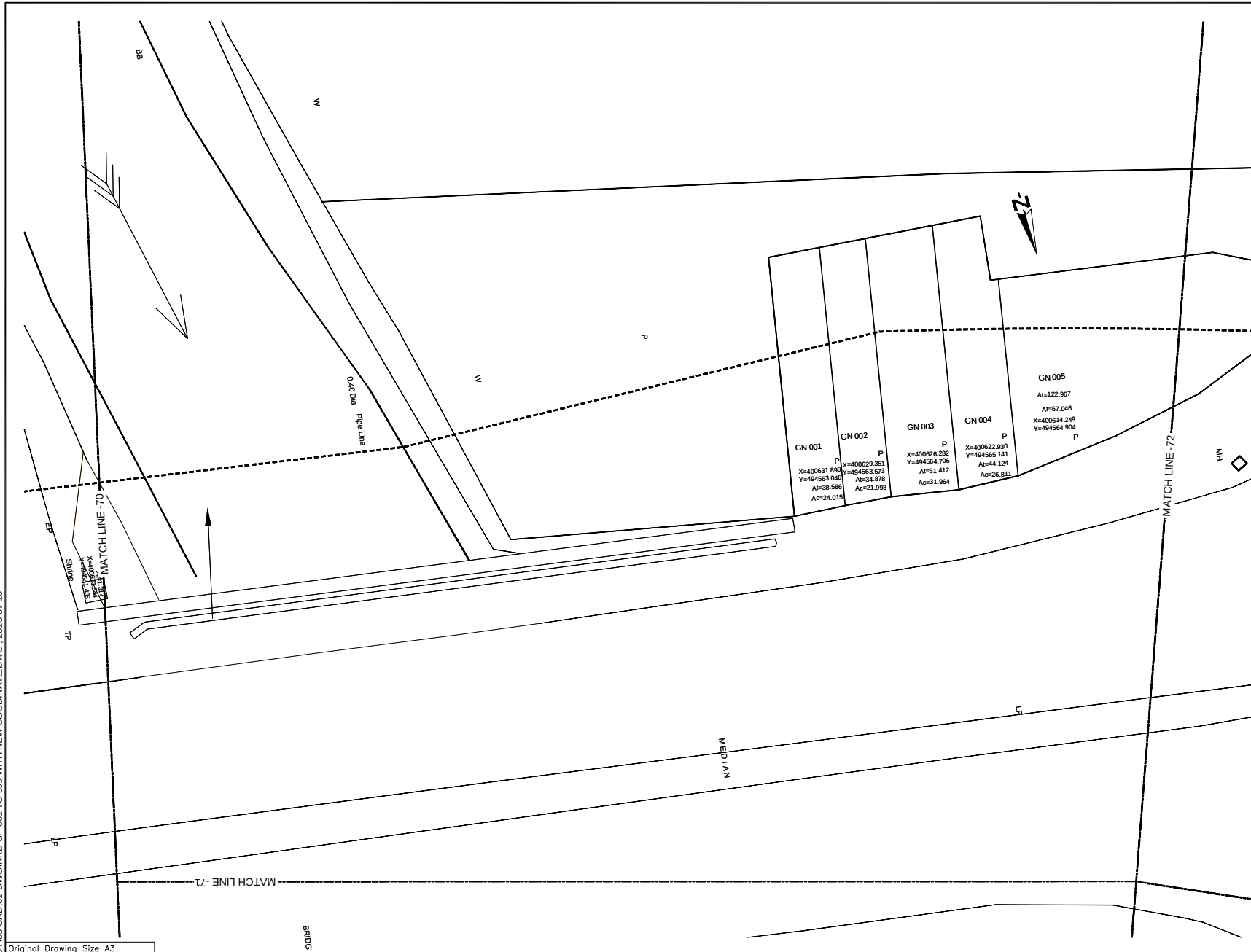
LEGENDS:
ROAD SIDE
P
X=401491.647
Y=494920.347
At=35.970
Ac=12.870
LAND SIDE
REFERENCE
BUILDING
CENTER
COORDINATE
TOTAL BUILDING
AREA
BUILDING
AFFECTED AREA
BUILDING
OUTLINE
SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDN --- Masonry Drain
EDN --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
CBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WDF --- Wooden Fence
WLF --- Wire Live Fence
WVF --- Wire Mesh Fence
ZF --- Zinc Fence

0 2 4m
SCALE 1:200

Original Drawing Size A3																				SCALE 1:200																																		
 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority 															 Oriental Consultants Co., Ltd.																				PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE										TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE									
 Consulting Engineers & Architects Associated (Pvt) Ltd.																																			DRG. NO : NKB-SP-083																			
										NO										DATE										DESCRIPTION																								

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



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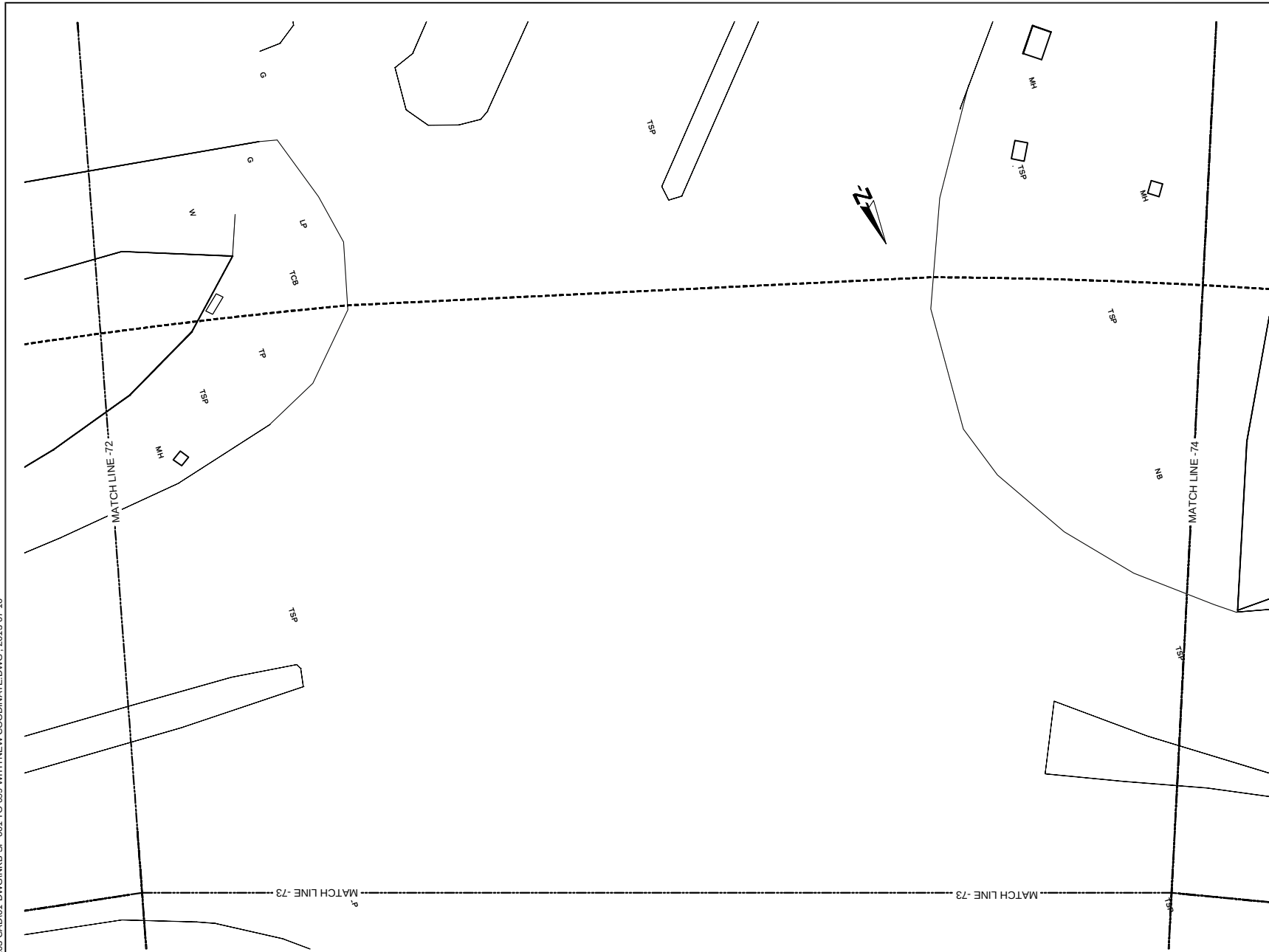
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 At=35.970 Ac=12.870		TOTAL BUILDING AREA
		BUILDING AFFECTED AREA
	Ty	BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE	
EP	Electric Post
EPHT	High Tension Electric Post
TP	Telephone Post
CP	Concrete Post
LP	Lamp Post
NB	Name Board
SB	Sign Board
ROADS	ROAD (Boundary Stone)
TSP	Traffic Signal Post
GS	Guard Stone
GW	Guard Wall
TRE	Transformer
PB	Pylon Base
PH	Fire Hydrant
GB	Gantry Base
BL	Building Laboratory
BS	Bus Shelter
CB	Concrete Base
P	Permanent Building
Ty	Temporary Building
BUC	Building Under Construction
FDN	Foundation
V	Valve
WV	Water Valve
CHWT	Over Head Water Tank
WT	Water Tank
GL	Gully
MH	Manhole
MHT	Manhole Telecom
MHW	Manhole Water
MHS	Manhole Sewer
TCB	Telecom Cable Box
ECB	Electric Cable Box
SPT	Septic Tank
G	Gate
GP	Gate Post
CUL	Culvert
MCh	Masonry Drain
EDn	Earth Drain
BB	Bank Bottom
YB	Bank Top
GBW	Gabion Wall
EF	Electric Fence
ECL	Electric Cable Line Under Ground
ORL	Oil Pipe Line
DF	Dry Fence
IF	Iron Fence
LF	Live Fence
RW	Retaining Wall
K	Kerb
SF	Stone Fence
W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMP	Wire Mesh Fence
ZF	Zinc Fence

SCALE 1:200

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

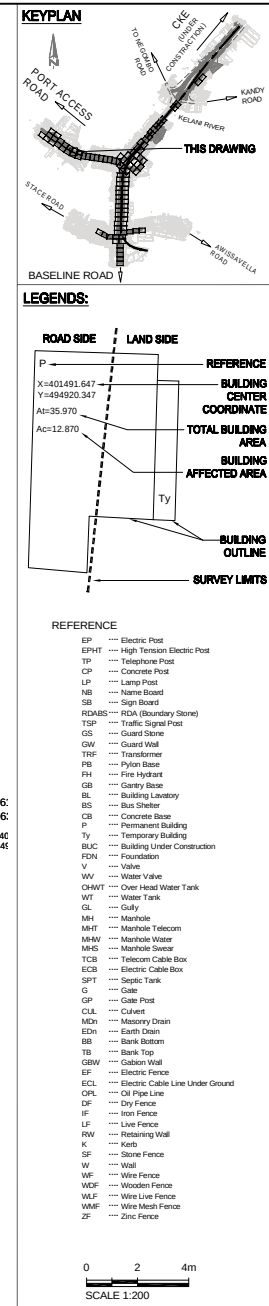
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

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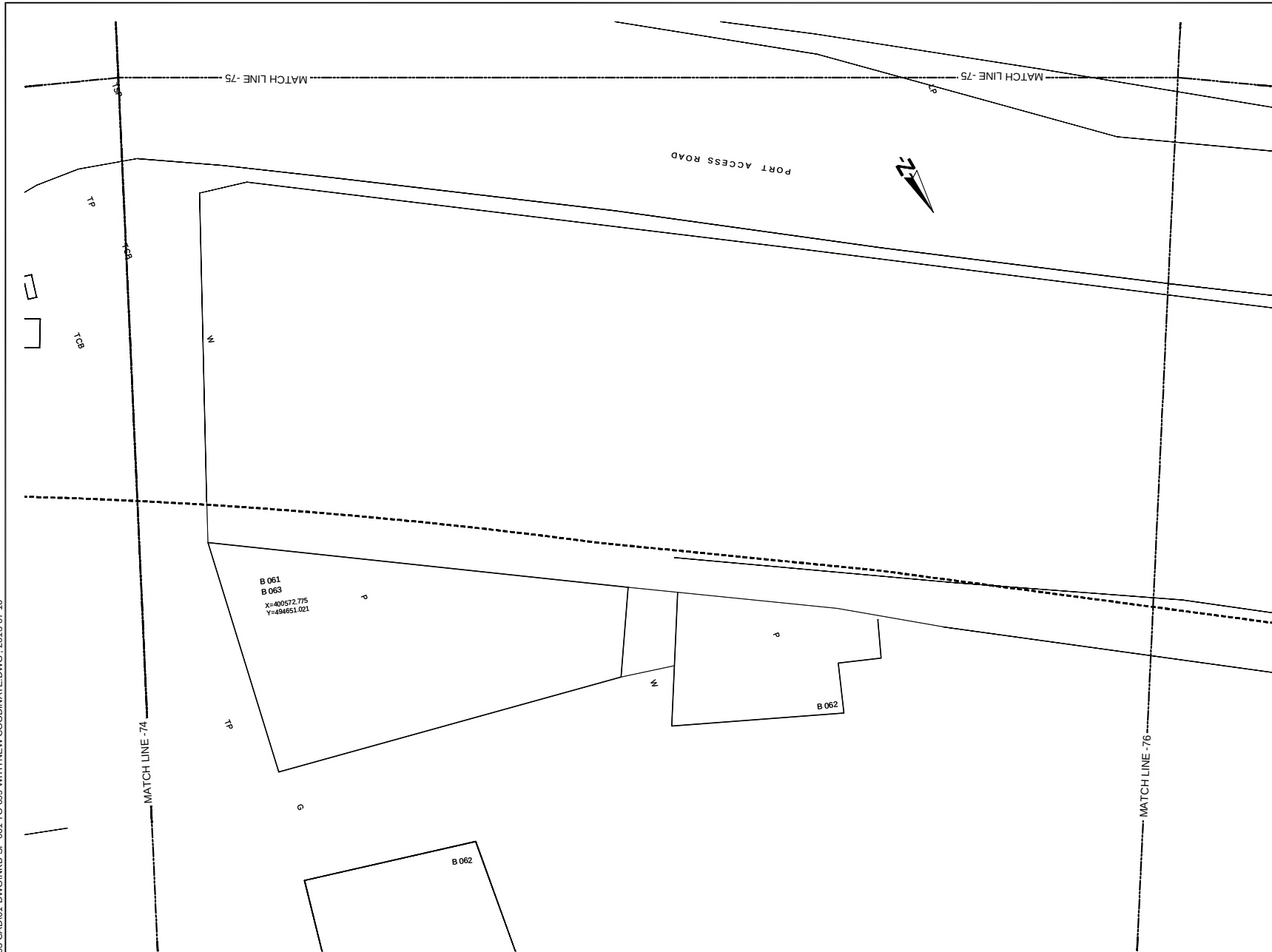


Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.			
		NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
	DRG. NO : NKB-SP-087

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE
P
X=401491.647
Y=494920.347
Alt=35.970
Acc=12.870

LAND SIDE
Ty

REFERENCE
BUILDING CENTER COORDINATE
TOTAL BUILDING AREA
BUILDING AFFECTED AREA
BUILDING OUTLINE
SURVEY LIMITS

REFERENCE

- EP --- Electric Post
- EPHT --- High Tension Electric Post
- TP --- Telephone Post
- CP --- Concrete Post
- LP --- Lamp Post
- NB --- Name Board
- SB --- Sign Board
- RDABS --- RDA (Boundary Stone)
- TSP --- Traffic Signal Post
- GS --- Guard Stone
- GW --- Guard Wall
- TRE --- Transformer
- PB --- Pylon Base
- PH --- Fire Hydrant
- GB --- Gantry Base
- BL --- Building Laboratory
- BS --- Bus Shelter
- CB --- Concrete Base
- P --- Permanent Building
- Ty --- Temporary Building
- BUC --- Building Under Construction
- FDN --- Foundation
- V --- Valve
- WV --- Water Valve
- OWMT --- Over Head Water Tank
- WT --- Water Tank
- GL --- Gully
- MH --- Manhole
- MHT --- Manhole Telecom
- MHW --- Manhole Water
- MHS --- Manhole Sewer
- TCB --- Telecom Cable Box
- ECB --- Electric Cable Box
- SPT --- Septic Tank
- G --- Gate
- GP --- Gate Post
- CL --- Culvert
- MCh --- Masonry Drain
- EDn --- Earth Drain
- BB --- Bank Bottom
- TB --- Bank Top
- GBW --- Gabion Wall
- EF --- Electric Fence
- ECL --- Electric Cable Line Under Ground
- ORL --- Oil Pipe Line
- DF --- Dry Fence
- IF --- Iron Fence
- LF --- Live Fence
- RW --- Retaining Wall
- K --- Kerb
- SF --- Stone Fence
- W --- Wall
- WF --- Wire Fence
- WOF --- Wooden Fence
- WLF --- Wire Live Fence
- WMP --- Wire Mesh Fence
- ZF --- Zinc Fence

0 2 4m
SCALE 1:200

Original Drawing Size A3



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS



Oriental Consultants Co., Ltd.



Consulting Engineers &
Architects Associated (Pvt) Ltd.

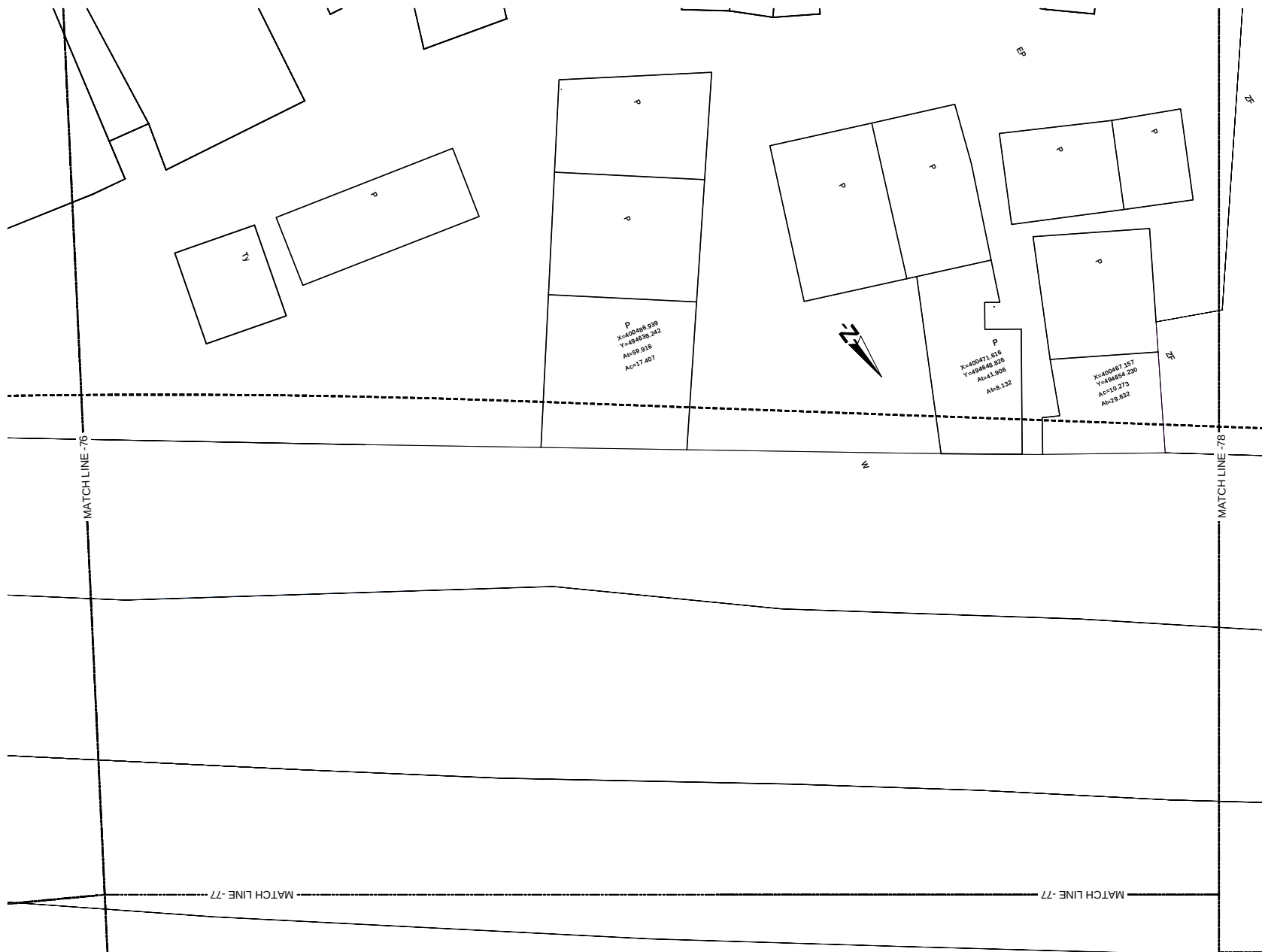
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE

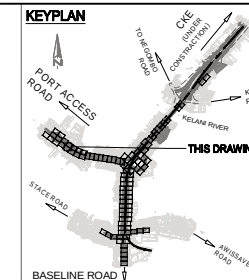
TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

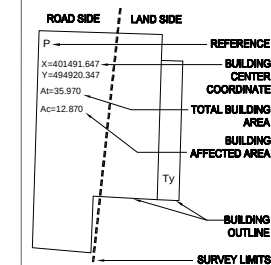
NKB-SP-090



	KEYPLAN
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LEGENDS:

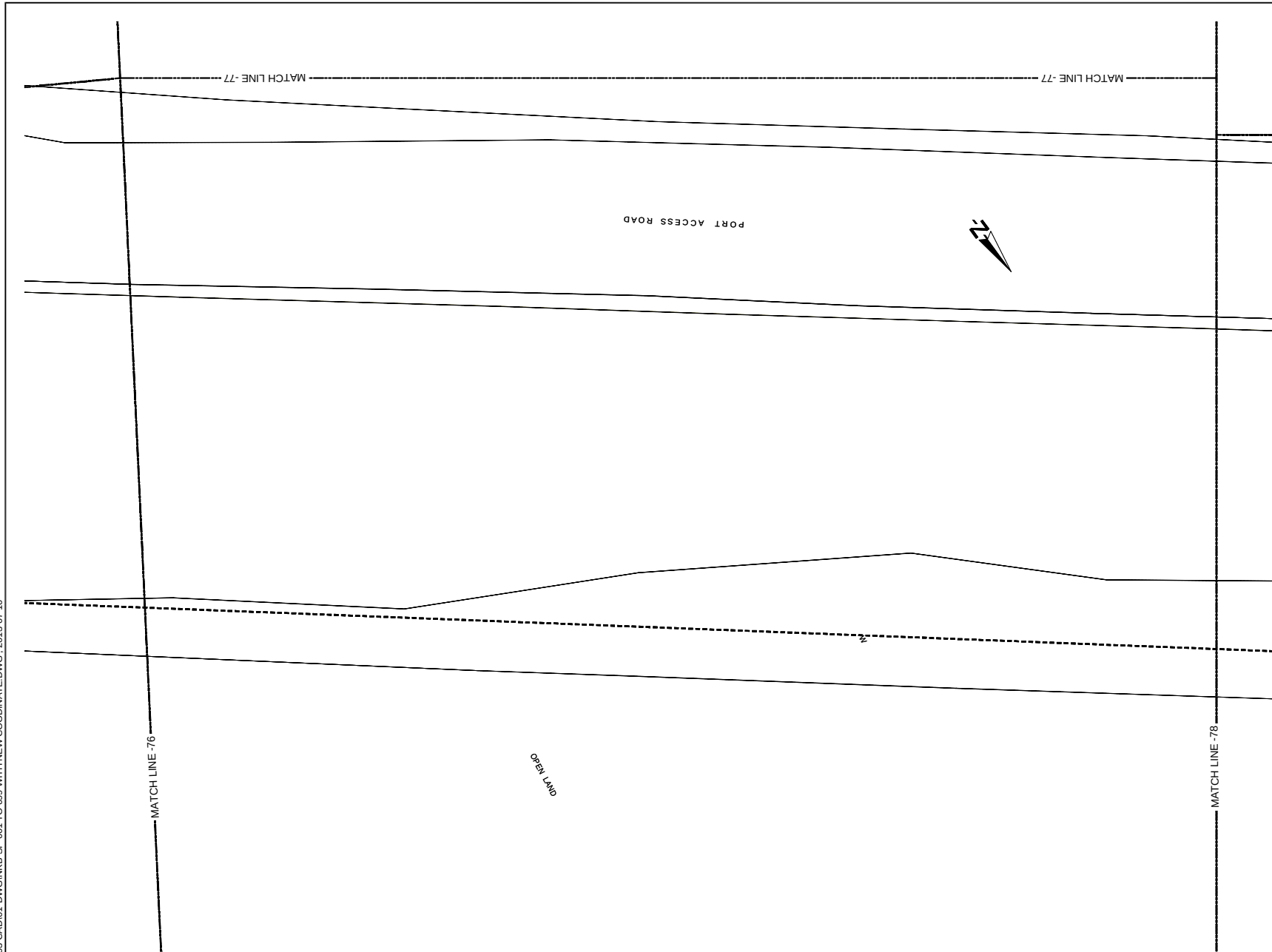


REFERENCE

EH — Electric Post
EP — High Tension Electric Post
TP — Telephone Post
CP — Concrete Post
LP — Lamp Post
NB — Name Board
SB — Sign Board
RBS — RCB (Boundary Stone)
TSP — Traffic Signal Post
GS — Guard Stone
GW — Guard Wall
TSF — Transformer
PB — Pylon Base
FH — Fire Hydrant
GB — Gantry Base
BL — Building Lashby
BS — Bush Shelter
CB — Concrete Base
P — Permanent Building
T — Temporary Building
FUC — Building Under Construction
FOU — Foundation
V — Valve
WW — Water Wheel
OMWT — Over Head Water Tank
WT — Water Tank
GL — Gully
MH — Manhole
MHT — Manhole Telecom
MWS — Manhole Water
MWSR — Manhole Sewer
TCSB — Telecom Cable Box
ECB — Electric Cable Box
SPT — Septic Tank
G — Gate
GP — Gate Post
CUL — Culvert
ML — Masonry Drain
ED — Earth Drain
BB — Bank Bottom
TB — Bank Top
GBW — Gully Wall
ECL — Eductor
ECBL — Electric Cable Line Under Ground
OPL — Oil Pipe Line
DF — Dry Fence
IF — Iron Fence
LF — Live Fence
RW — Retaining Wall
K — Kerb
SF — Stone Fence
W — Wall
WF — Wire Fence
MWF — Wooden Fence
MWF — Wire Live Fence
MWF — Wire Mesh Fence
Z — Zor Fence



U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

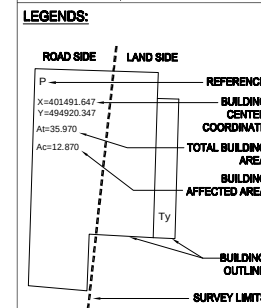
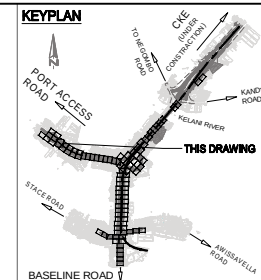
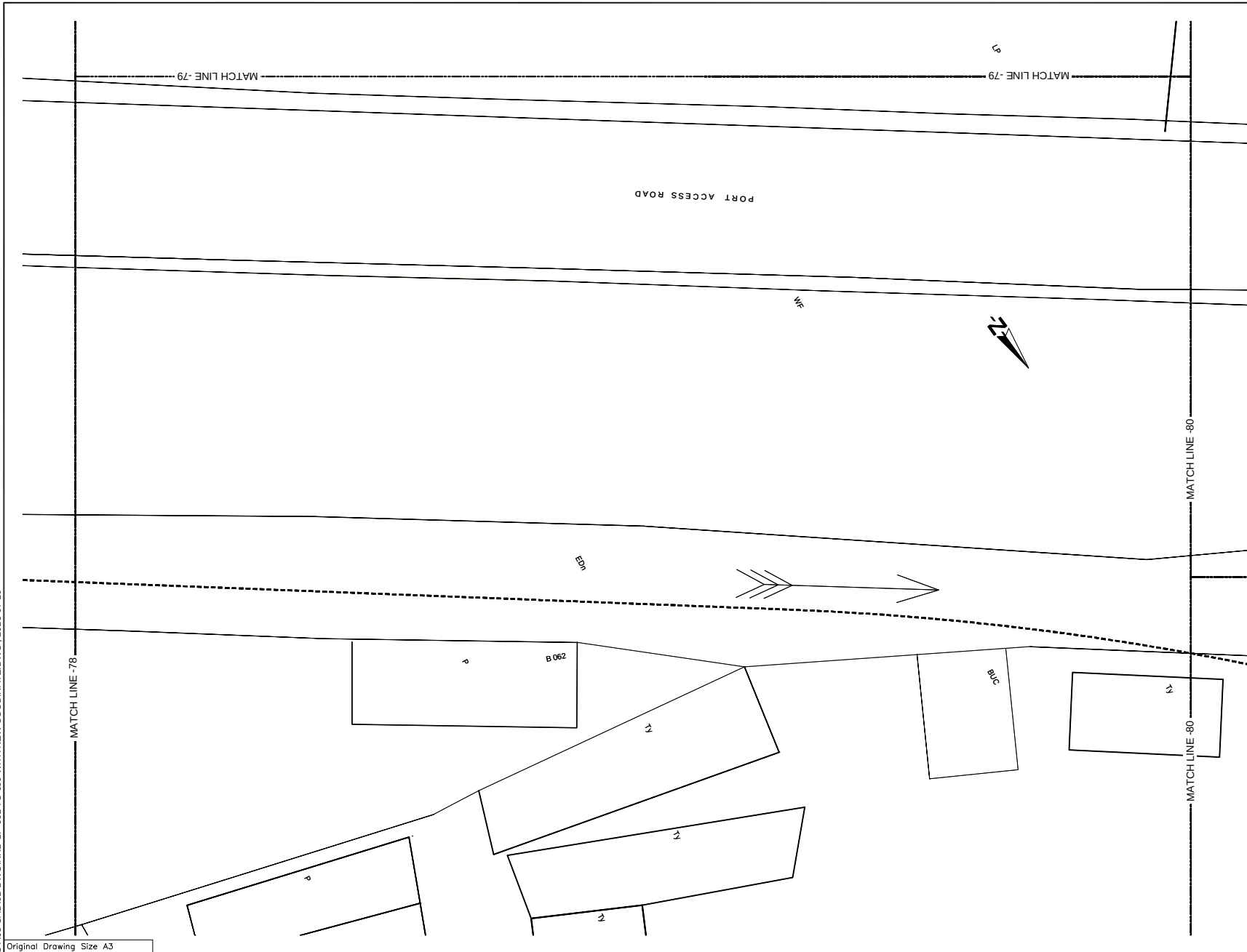
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
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WV --- Water Valve
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MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
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SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MD --- Masonry Drain
ED --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

Original Drawing Size A3										SCALE 1:200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority 										 Oriental Consultants Co., Ltd.  Consulting Engineers & Architects Associated (Pvt) Ltd.										PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE					TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - ROADS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TBE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence

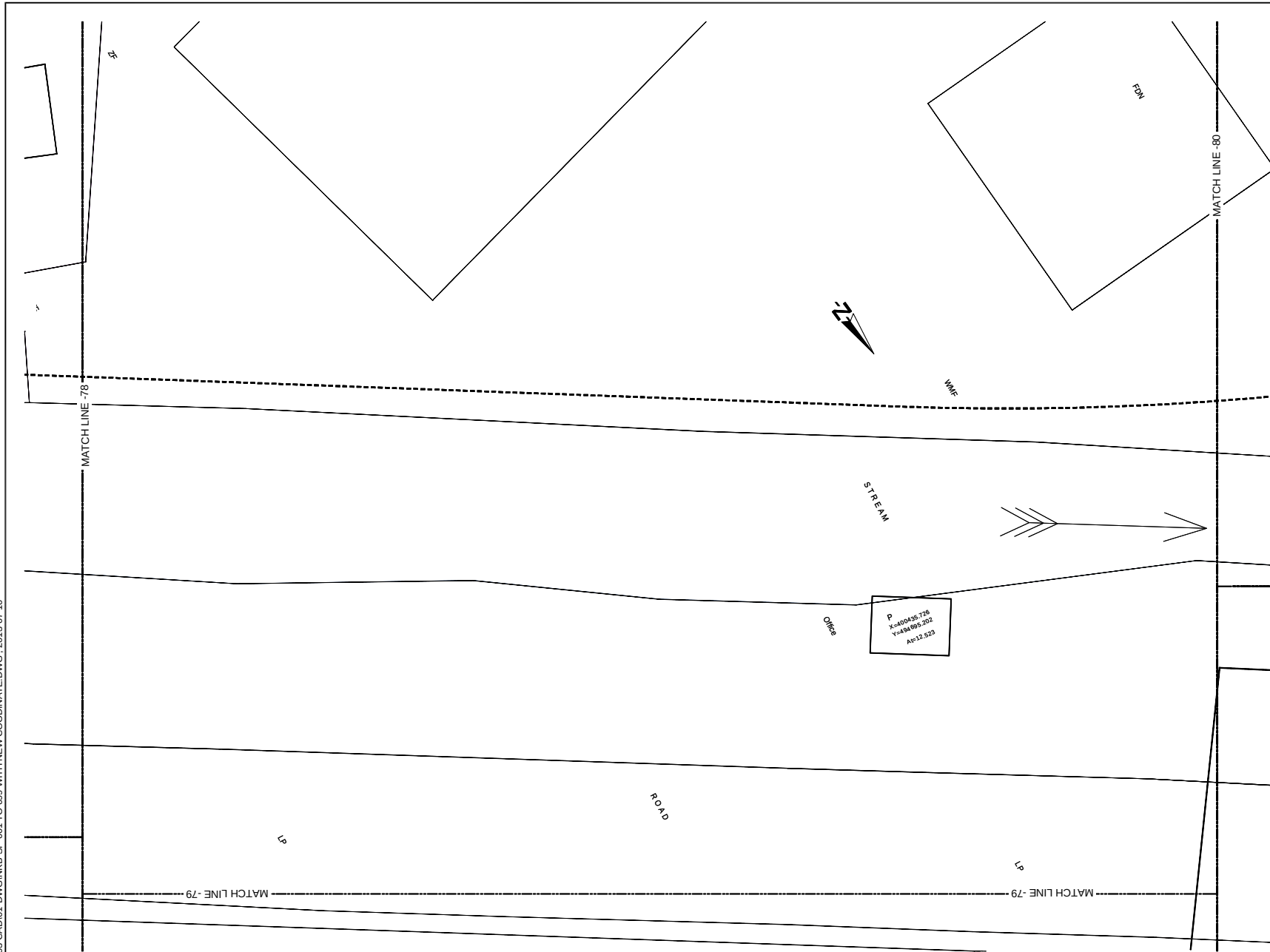


Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.			
		NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
	DRG. NO : NKB-SP-092

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE

LAND SIDE

REFERENCE

BUILDING CENTER COORDINATE

TOTAL BUILDING AREA

BUILDING AFFECTED AREA

BUILDING OUTLINE

SURVEY LIMITS

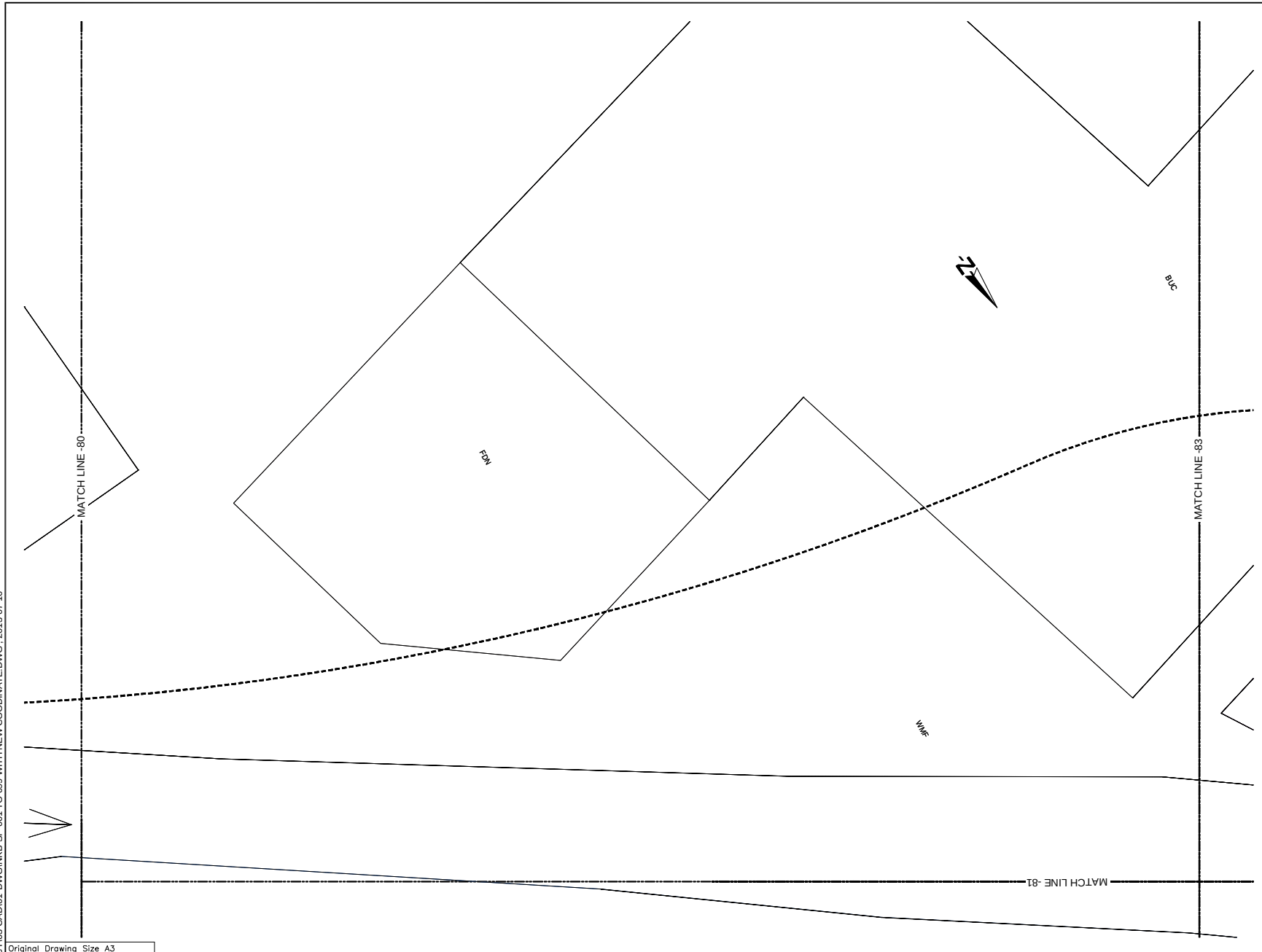
REFERENCE

- EP --- Electric Post
- EPHT --- High Tension Electric Post
- TP --- Telephone Post
- CP --- Concrete Post
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- NB --- Name Board
- SB --- Sign Board
- RDABS --- RDA (Boundary Stone)
- TSP --- Traffic Signal Post
- GS --- Guard Stone
- GW --- Guard Wall
- TRE --- Transformer
- PB --- Pylon Base
- PH --- Fire Hydrant
- GB --- Gantry Base
- BL --- Building Laboratory
- BS --- Bus Shelter
- CB --- Concrete Base
- P --- Permanent Building
- Ty --- Temporary Building
- BU --- Building Under Construction
- FDN --- Foundation
- V --- Valve
- WV --- Water Valve
- CHWT --- Over Head Water Tank
- WT --- Water Tank
- GL --- Gully
- MH --- Manhole
- MHT --- Manhole Telecom
- MHW --- Manhole Water
- MHS --- Manhole Sewer
- TCB --- Telecom Cable Box
- ECB --- Electric Cable Box
- SPT --- Septic Tank
- G --- Gate
- GP --- Gate Post
- CL --- Culvert
- MDH --- Masonry Drain
- EDH --- Earth Drain
- BB --- Bank Bottom
- YB --- Bank Top
- GBW --- Gabion Wall
- EF --- Electric Fence
- ECL --- Electric Cable Line Under Ground
- ORL --- Oil Pipe Line
- DF --- Dry Fence
- IF --- Iron Fence
- LF --- Live Fence
- RW --- Retaining Wall
- K --- Kerb
- SF --- Stone Fence
- W --- Wall
- WF --- Wire Fence
- WDF --- Wooden Fence
- WLF --- Wire Live Fence
- WMP --- Wire Mesh Fence
- ZF --- Zinc Fence

0 2 4m

SCALE 1:200

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

LEGENDS:

ROAD SIDE
P
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Y=494920.347
Alt=35.970
Acc=12.870

LAND SIDE
Ty

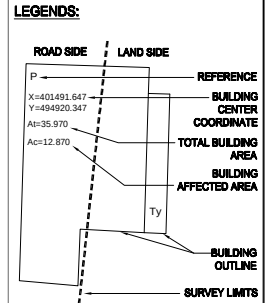
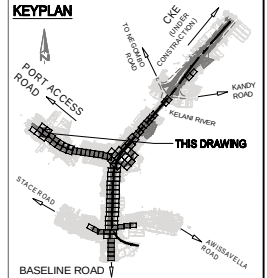
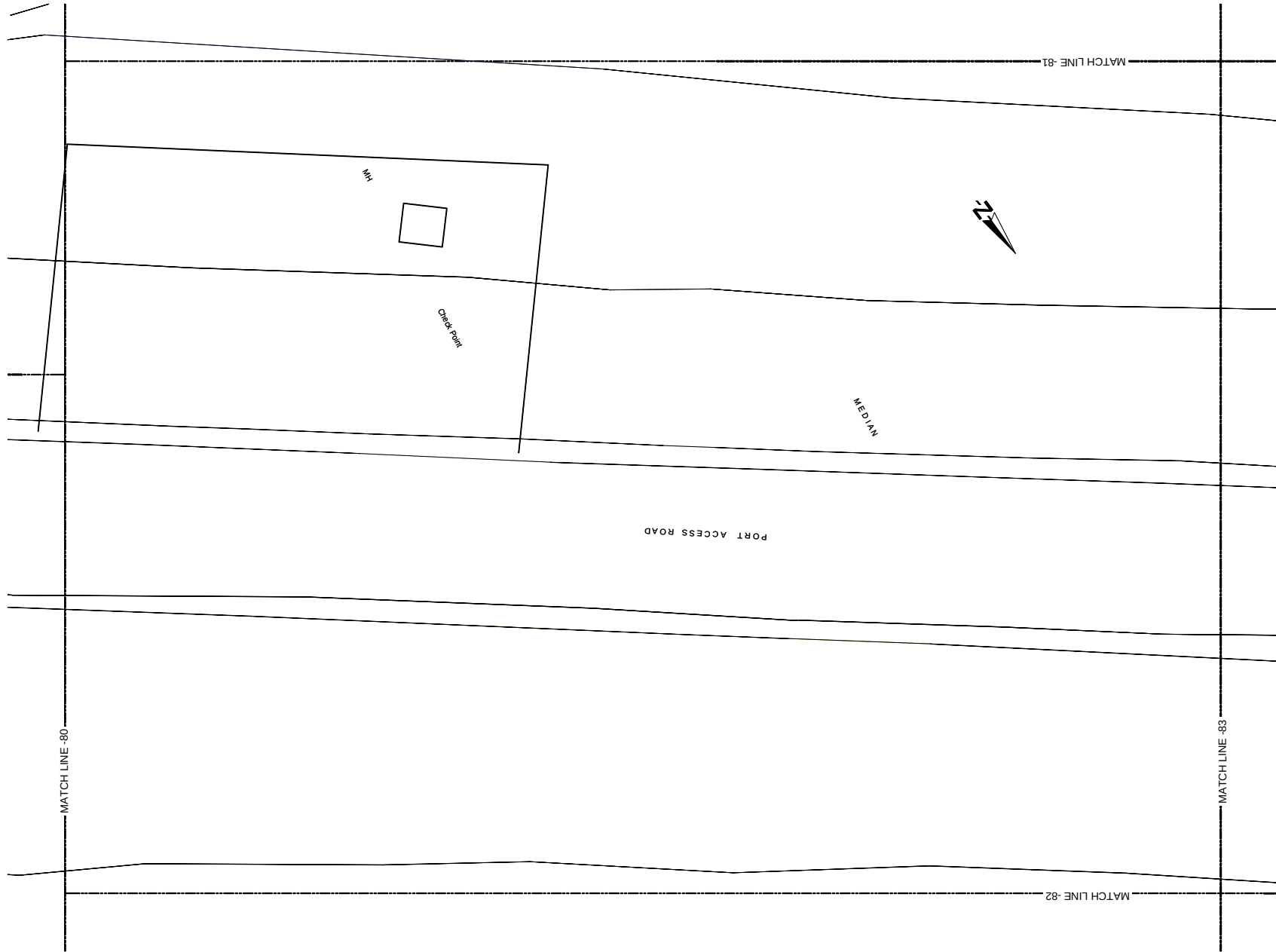
REFERENCE
BUILDING CENTER COORDINATE
TOTAL BUILDING AREA
BUILDING AFFECTED AREA
BUILDING OUTLINE
SURVEY LIMITS

REFERENCE

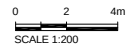
- EP --- Electric Post
- EPHT --- High Tension Electric Post
- TP --- Telephone Post
- CP --- Concrete Post
- LP --- Lamp Post
- NB --- Name Board
- SB --- Sign Board
- RDABS --- RDA (Boundary Stone)
- TSP --- Traffic Signal Post
- GS --- Guard Stone
- GW --- Guard Wall
- TRE --- Transformer
- PB --- Pylon Base
- PH --- Fire Hydrant
- GB --- Gantry Base
- BL --- Building Laboratory
- BS --- Bus Shelter
- CB --- Concrete Base
- P --- Permanent Building
- Ty --- Temporary Building
- BUC --- Building Under Construction
- FDN --- Foundation
- V --- Valve
- WV --- Water Valve
- OWMT --- Over Head Water Tank
- WT --- Water Tank
- GL --- Gully
- MH --- Manhole
- MHT --- Manhole Telecom
- MHW --- Manhole Water
- MHS --- Manhole Sewer
- TCB --- Telecom Cable Box
- ECB --- Electric Cable Box
- SPT --- Septic Tank
- G --- Gate
- GP --- Gate Post
- CL --- Culvert
- MCh --- Masonry Drain
- EDn --- Earth Drain
- BB --- Bank Bottom
- TB --- Bank Top
- GBW --- Gabion Wall
- EF --- Electric Fence
- ECL --- Electric Cable Line Under Ground
- ORL --- Oil Pipe Line
- DF --- Dry Fence
- IF --- Iron Fence
- LF --- Live Fence
- RW --- Retaining Wall
- K --- Kerb
- SF --- Stone Fence
- W --- Wall
- WF --- Wire Fence
- WOF --- Wooden Fence
- WLF --- Wire Live Fence
- WVF --- Wire Mesh Fence
- ZF --- Zinc Fence

SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
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 - LP --- Lamp Post
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 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLD --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMF --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority



Oriental Consultants Co., Ltd.



Consulting Engineers &
Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

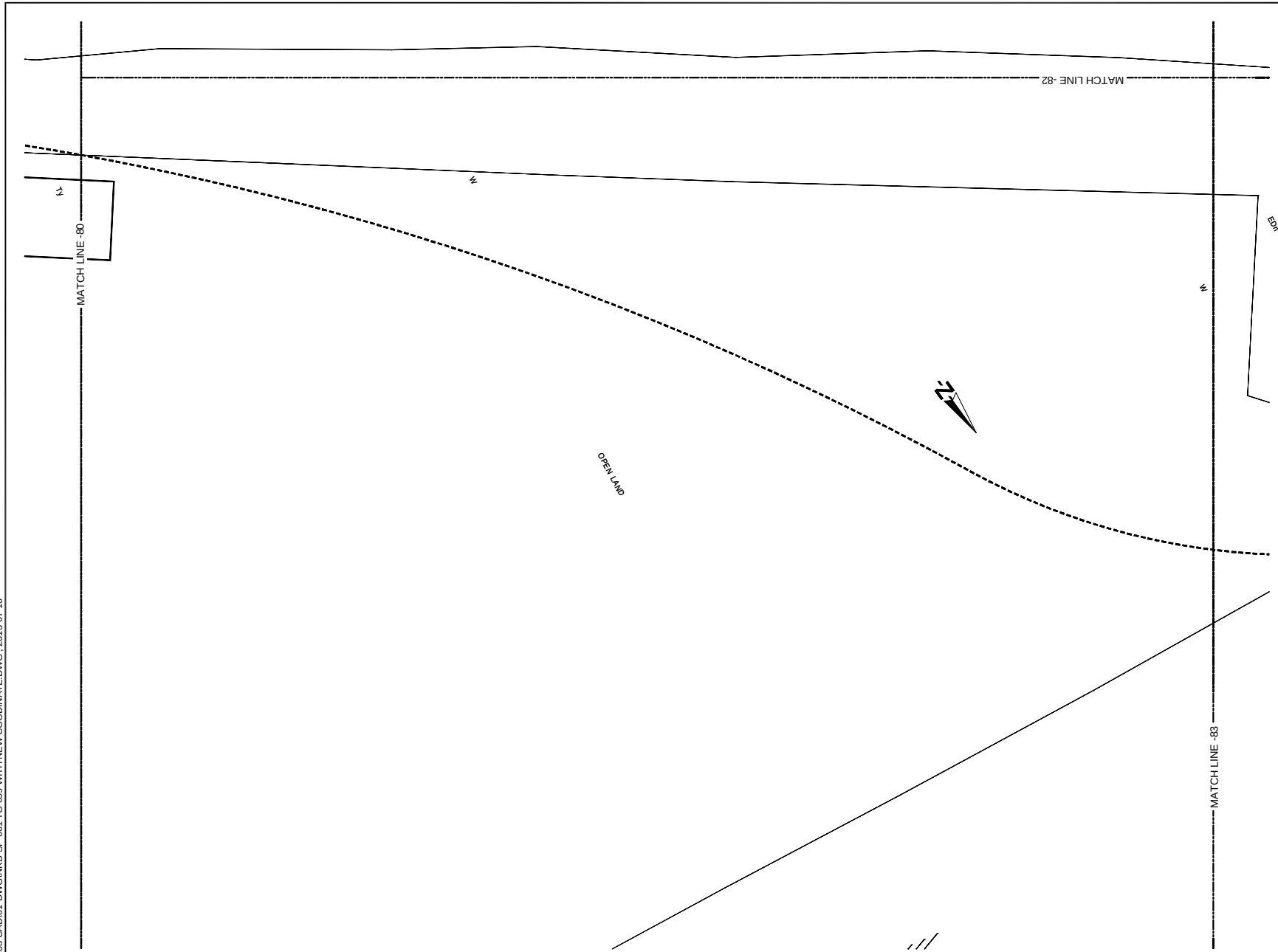
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO :

NKB-SP-095

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

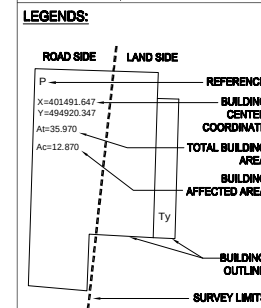
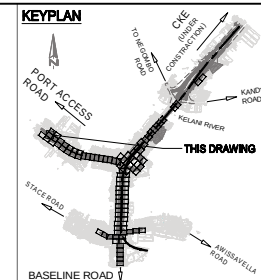
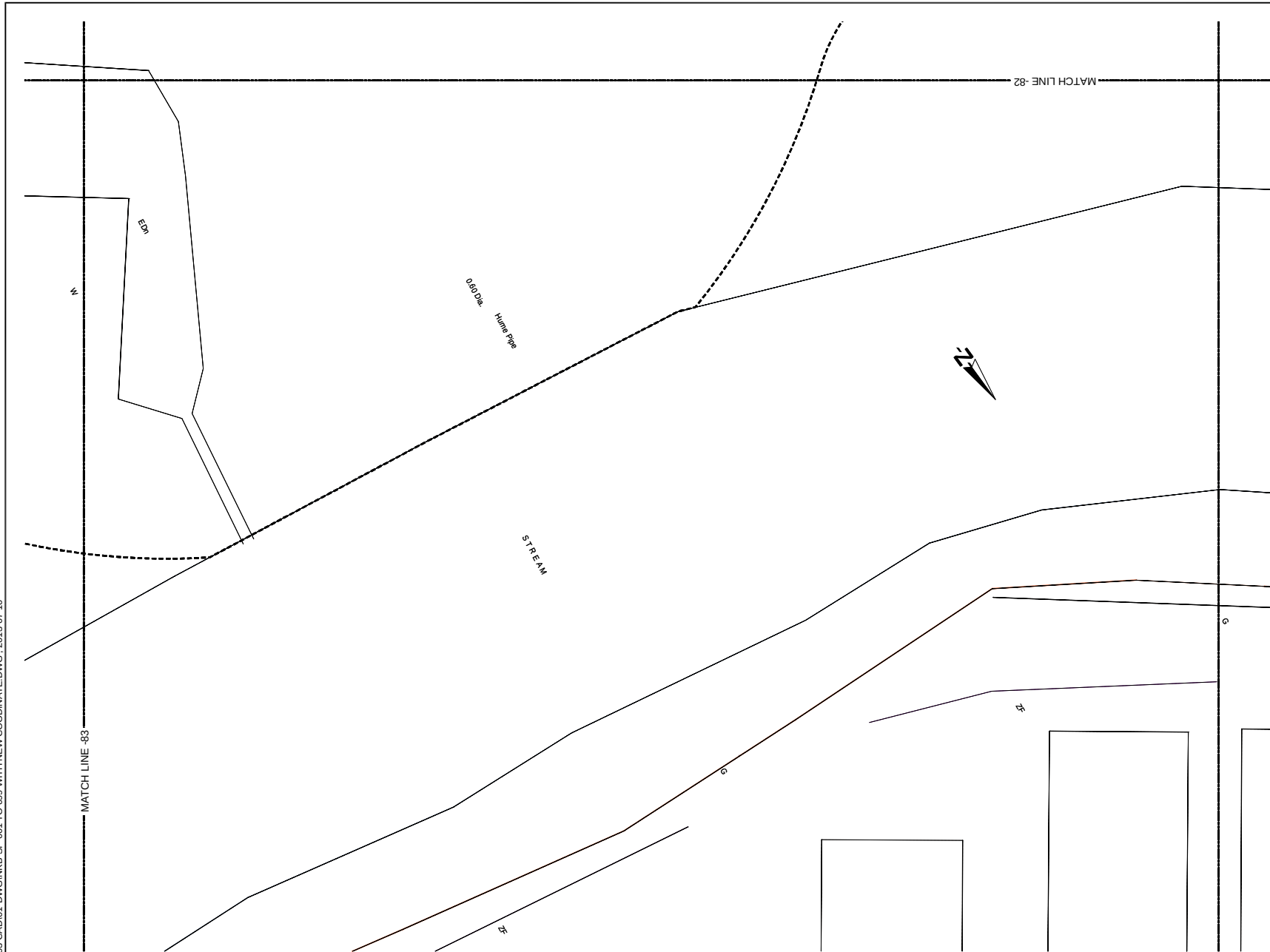
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
CHWT --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CLL --- Culvert
MDH --- Masonry Drain
EDH --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDMS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
 - EDn --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
 - IF --- Iron Fence
 - LF --- Live Fence
 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence

0 2 4m
SCALE 1:200

Original Drawing Size A3



Oriental Consultants Co., Ltd.



Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

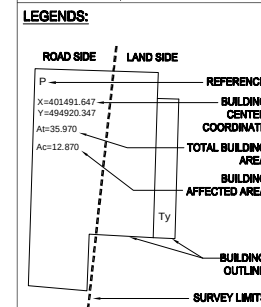
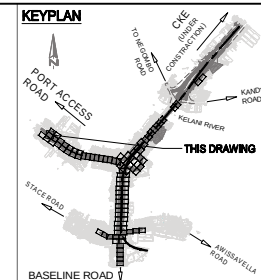
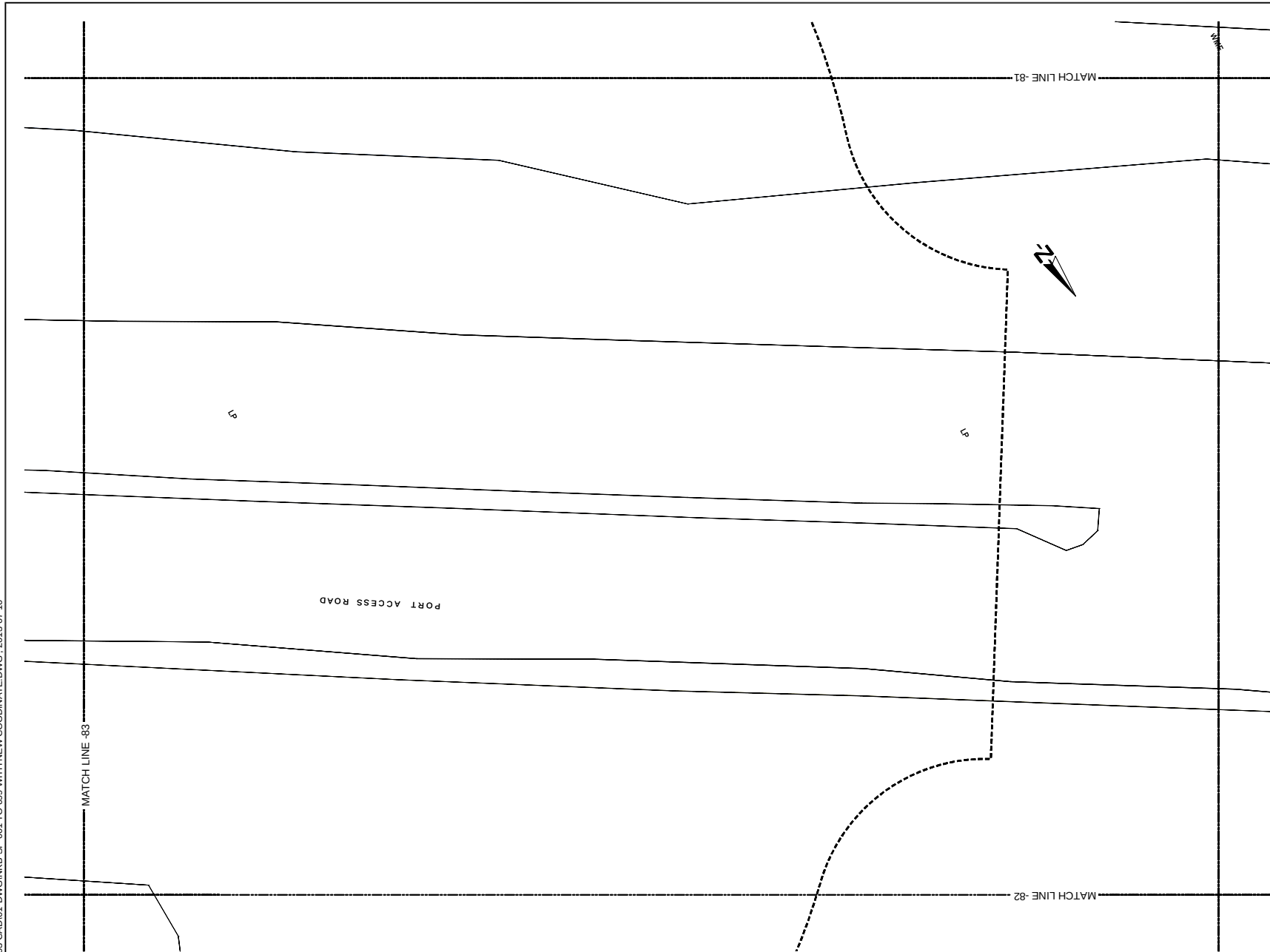
PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

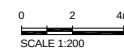
DRG. NO :

NKB-SP-097

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
 - TP --- Telephone Post
 - CP --- Concrete Post
 - LP --- Lamp Post
 - NB --- Name Board
 - SB --- Sign Board
 - RDMS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
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 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - CHWT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
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 - GP --- Gate Post
 - CLL --- Culvert
 - MCh --- Masonry Drain
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 - BB --- Bank Bottom
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 - ORL --- Oil Pipe Line
 - DF --- Dry Fence
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 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
 - W --- Wall
 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



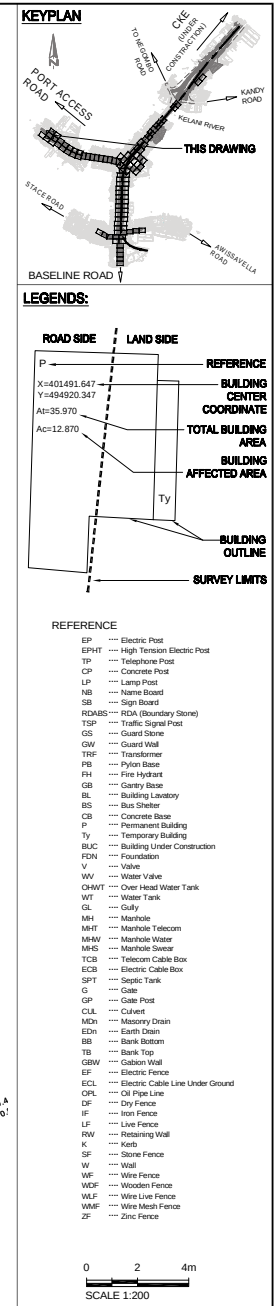
Original Drawing Size A3

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	 Oriental Consultants Co., Ltd.			PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
	 Consulting Engineers & Architects Associated (Pvt) Ltd.				
		NO	DATE		

DRG. NO :

NKB-SP-098

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

ORICONSL

Oriental Consultants Co., Ltd.

CEA

Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : NKB-SP-99

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



KEYPLAN

LEGENDS:

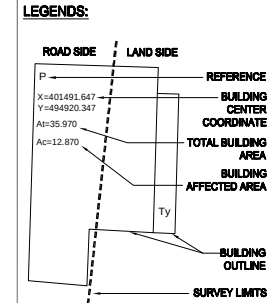
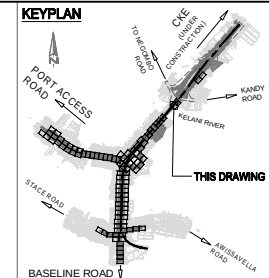
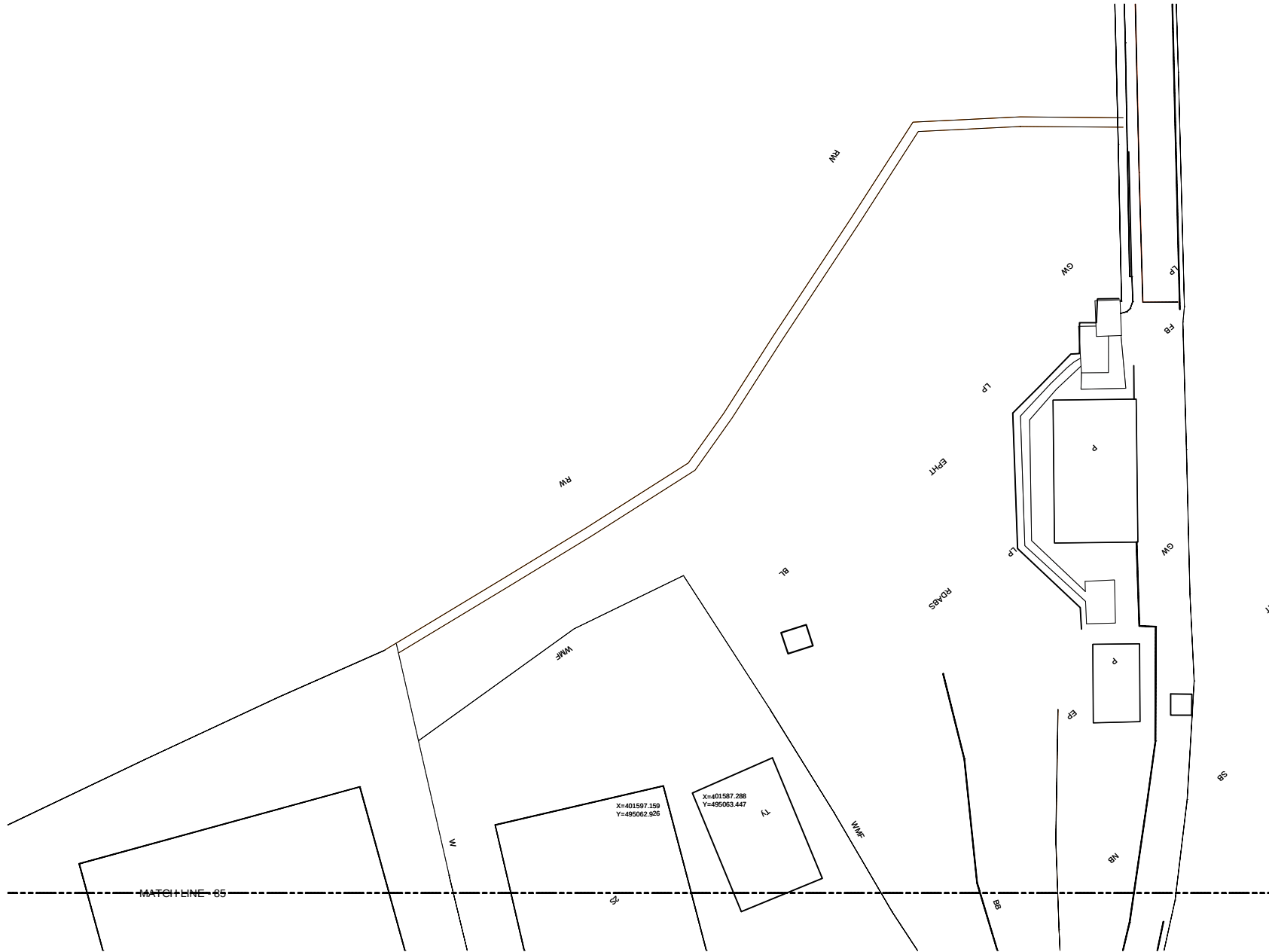
ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDABS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
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BUC --- Building Under Construction
FDN --- Foundation
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WV --- Water Valve
CHWT --- Over Head Water Tank
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MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
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ECB --- Electric Cable Box
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GP --- Gate Post
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GBW --- Gabion Wall
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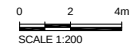
SCALE 1:200

Original Drawing Size A3										SCALE 1:200									
 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority 	 Oriental Consultants Co., Ltd.  Consulting Engineers & Architects Associated (Pvt) Ltd.					PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE				TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE									
								NO	DATE	DESCRIPTION				DRG. NO : NKB-SP-100					

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



- REFERENCE
- EP --- Electric Post
 - EPHT --- High Tension Electric Post
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 - RW --- Retaining Wall
 - K --- Kerb
 - SF --- Stone Fence
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 - WF --- Wire Fence
 - WOF --- Wooden Fence
 - WLF --- Wire Live Fence
 - WMP --- Wire Mesh Fence
 - ZF --- Zinc Fence



Original Drawing Size A3

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF PORTS AND HIGHWAYS

Road Development Authority

 Oriental Consultants Co., Ltd.

 Consulting Engineers & Architects Associated (Pvt) Ltd.

NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : **NKB-SP-101**

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG , 2013-07-10



KEYPLAN

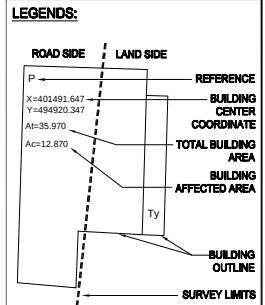
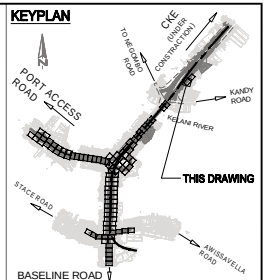
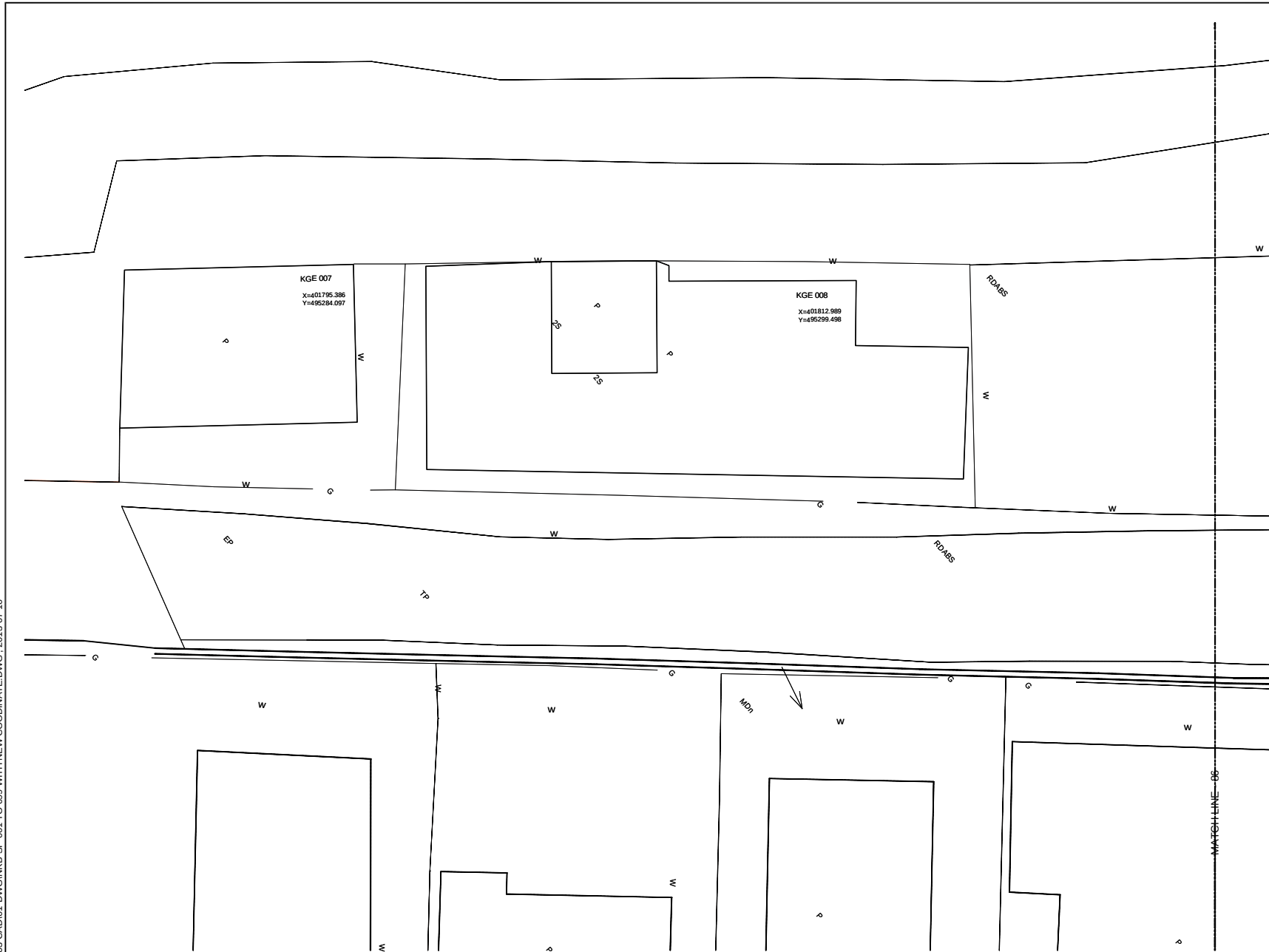
LEGENDS:

ROAD SIDE	LAND SIDE	REFERENCE
P		BUILDING CENTER COORDINATE
X=401491.647 Y=494920.347 Alt=35.970 Acc=12.870		TOTAL BUILDING AREA
	Ty	BUILDING AFFECTED AREA
		BUILDING OUTLINE
		SURVEY LIMITS

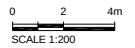
REFERENCE
EP --- Electric Post
EPHT --- High Tension Electric Post
TP --- Telephone Post
CP --- Concrete Post
LP --- Lamp Post
NB --- Name Board
SB --- Sign Board
RDMS --- RDA (Boundary Stone)
TSP --- Traffic Signal Post
GS --- Guard Stone
GW --- Guard Wall
TRF --- Transformer
PB --- Pylon Base
FH --- Fire Hydrant
GB --- Gantry Base
BL --- Building Laboratory
BS --- Bus Shelter
CB --- Concrete Base
P --- Permanent Building
Ty --- Temporary Building
BUC --- Building Under Construction
FDN --- Foundation
V --- Valve
WV --- Water Valve
OHW --- Over Head Water Tank
WT --- Water Tank
GL --- Gully
MH --- Manhole
MHT --- Manhole Telecom
MHW --- Manhole Water
MHS --- Manhole Sewer
TCB --- Telecom Cable Box
ECB --- Electric Cable Box
SPT --- Septic Tank
G --- Gate
GP --- Gate Post
CL --- Culvert
MD --- Masonry Drain
ED --- Earth Drain
BB --- Bank Bottom
TB --- Bank Top
GBW --- Gabion Wall
EF --- Electric Fence
ECL --- Electric Cable Line Under Ground
OPL --- Oil Pipe Line
DF --- Dry Fence
IF --- Iron Fence
LF --- Live Fence
RW --- Retaining Wall
K --- Kerb
SF --- Stone Fence
W --- Wall
WF --- Wire Fence
WOF --- Wooden Fence
WLF --- Wire Live Fence
WMP --- Wire Mesh Fence
ZF --- Zinc Fence

SCALE 1:200

U:\05-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10



- REFERENCE
- EP --- Electric Post
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 - CP --- Concrete Post
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 - NB --- Name Board
 - SB --- Sign Board
 - RDABS --- RDA (Boundary Stone)
 - TSP --- Traffic Signal Post
 - GS --- Guard Stone
 - GW --- Guard Wall
 - TRE --- Transformer
 - PB --- Pylon Base
 - PH --- Fire Hydrant
 - GB --- Gantry Base
 - BL --- Building Laboratory
 - BS --- Bus Shelter
 - CB --- Concrete Base
 - P --- Permanent Building
 - Ty --- Temporary Building
 - BUC --- Building Under Construction
 - FDN --- Foundation
 - V --- Valve
 - WV --- Water Valve
 - OWMT --- Over Head Water Tank
 - WT --- Water Tank
 - GL --- Gully
 - MH --- Manhole
 - MHT --- Manhole Telecom
 - MHW --- Manhole Water
 - MHS --- Manhole Sewer
 - TCB --- Telecom Cable Box
 - ECB --- Electric Cable Box
 - SPT --- Septic Tank
 - G --- Gate
 - GP --- Gate Post
 - CLL --- Culvert
 - MDH --- Masonry Drain
 - EDH --- Earth Drain
 - BB --- Bank Bottom
 - TB --- Bank Top
 - GBW --- Gabion Wall
 - EF --- Electric Fence
 - ECL --- Electric Cable Line Under Ground
 - ORL --- Oil Pipe Line
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 - RW --- Retaining Wall
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Original Drawing Size A3



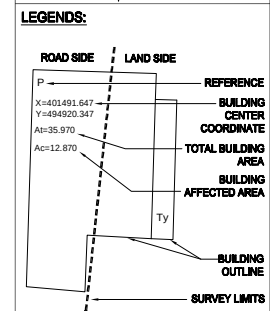
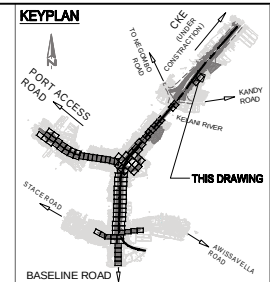
NO	DATE	DESCRIPTION

PREPARATORY SURVEY ON TRAFFIC
IMPROVEMENT PROJECT AROUND NEW KELANI
BRIDGE

TRAFFIC IMPROVEMENT PROJECT
AROUND 2nd NEW KELANI BRIDGE

DRG. NO : NKB-SP-103

U:\06-NKB PROJECT\03-CAD\01-DWG\NKB-SP-001 TO 099 WITH NEW COORDINATE.DWG - 2013-07-10

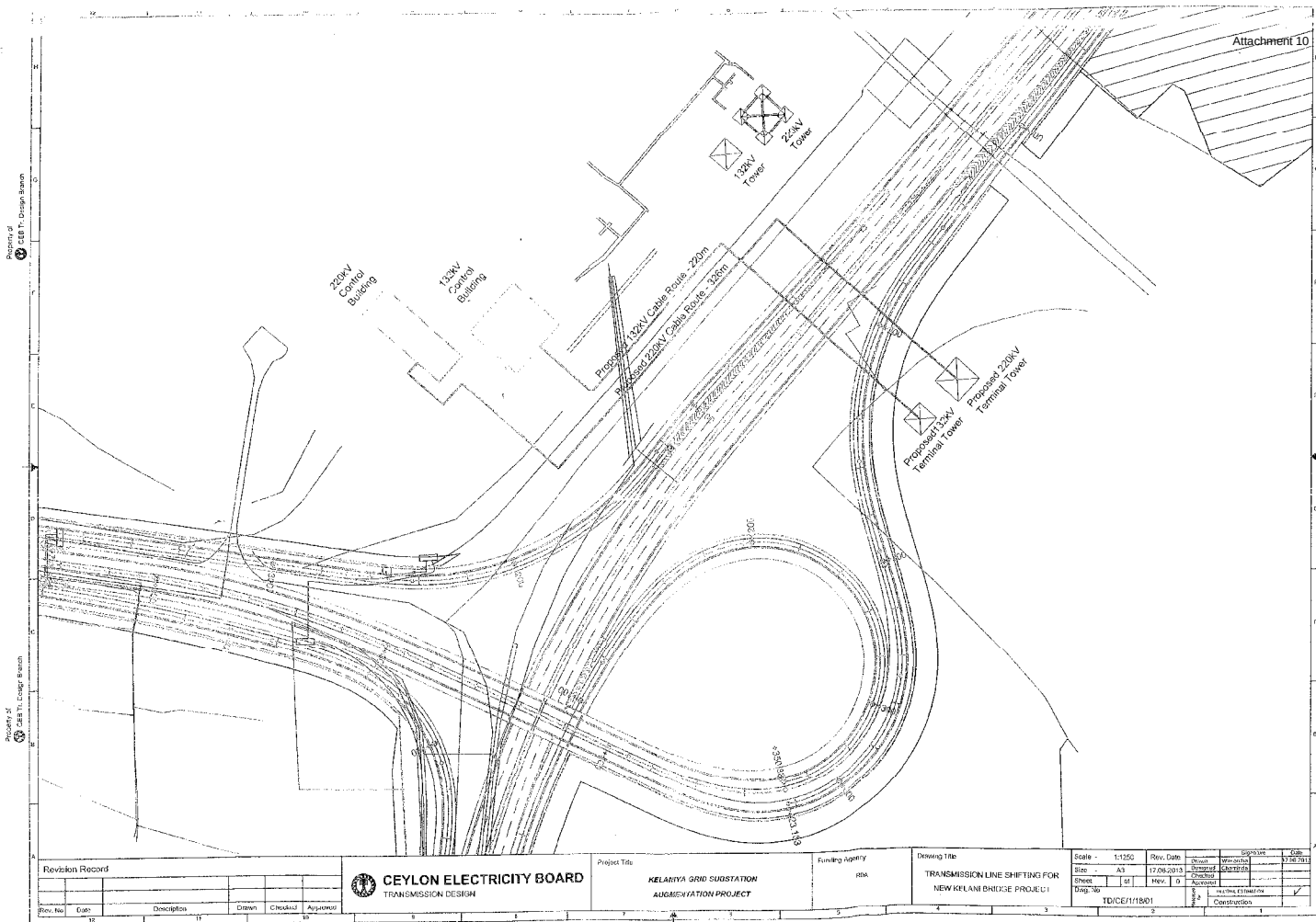


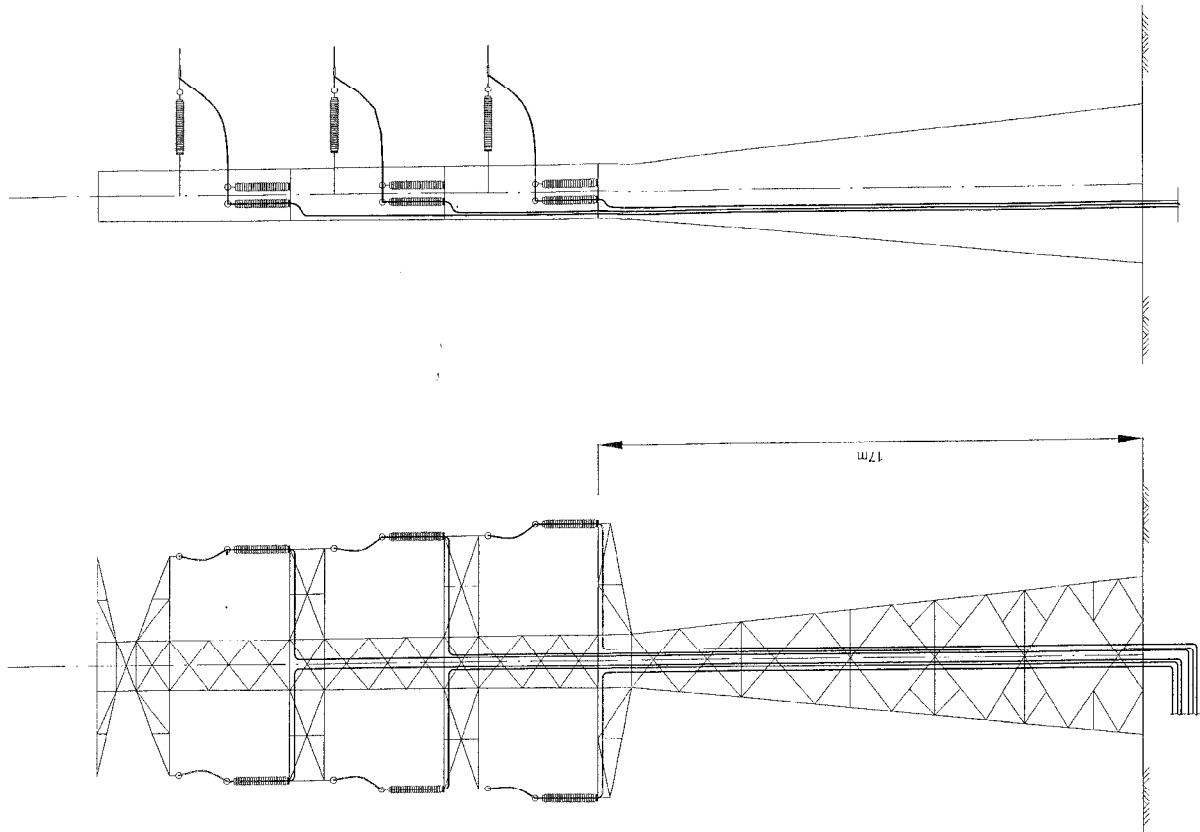
REFERENCE	
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W	Wall
WF	Wire Fence
WOF	Wooden Fence
WLF	Wire Live Fence
WMF	Wire Mesh Fence
ZF	Zinc Fence

Original Drawing Size A3

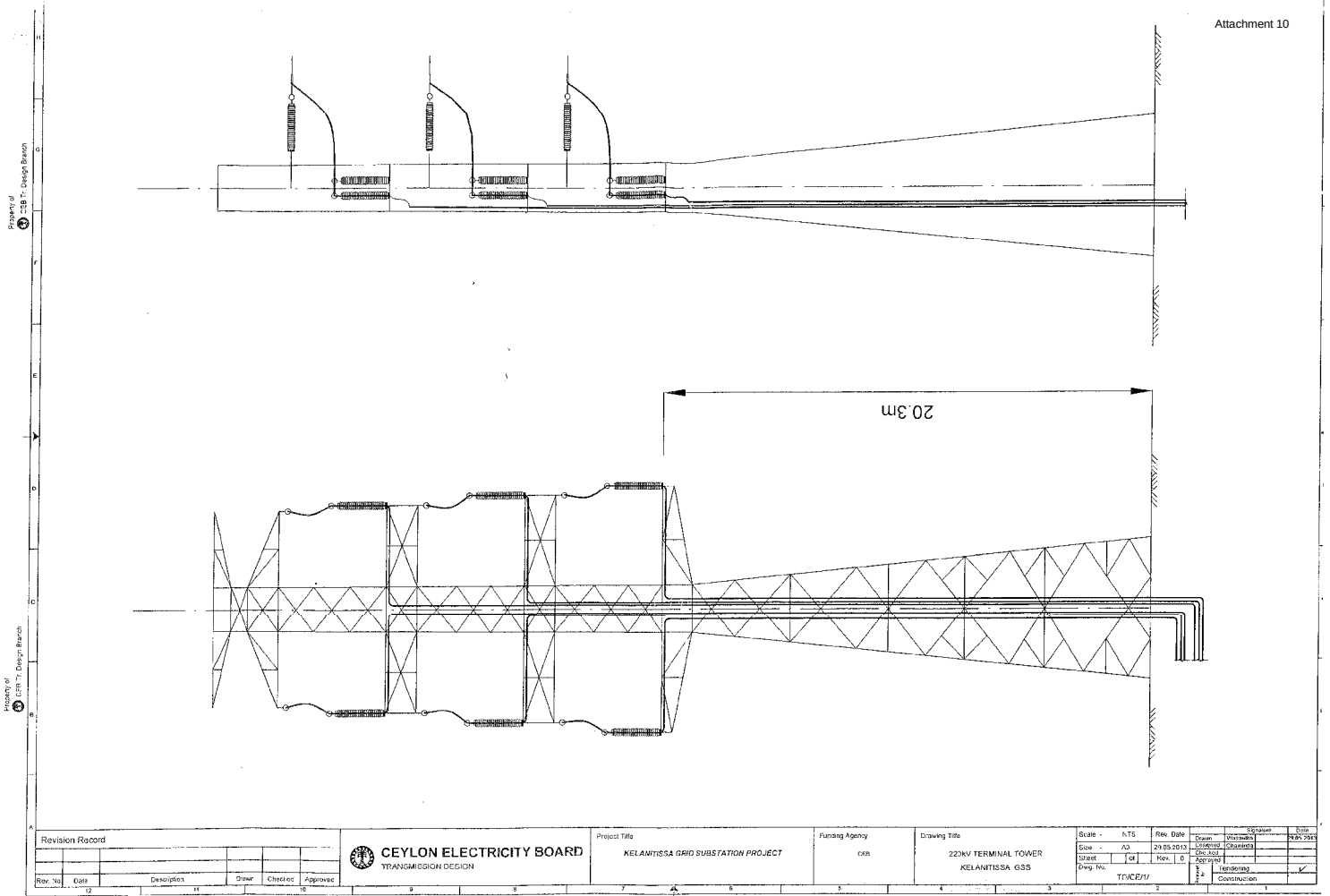
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS AND HIGHWAYS Road Development Authority	Oriental Consultants Co., Ltd. Consulting Engineers & Architects Associated (Pvt) Ltd.	<table><thead><tr><th>NO</th><th>DATE</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>	NO	DATE	DESCRIPTION										PREPARATORY SURVEY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW KELANI BRIDGE	TRAFFIC IMPROVEMENT PROJECT AROUND 2nd NEW KELANI BRIDGE
NO	DATE	DESCRIPTION														
				DRG. NO : NKB-SP-104												







Revision Record					Project Title	Funding Agency	Drawing Title	Scale	Rev. No.	Rev. Date	Drawn	Checked	Approved	Rev. No.	Rev. Date	Drawn	Checked	Approved
Rev. No.	Date	Description	Drawn	Checked				NTS	A3	29.05.2013								
					KELANITISSA GRID SUBSTATION PROJECT	CEB	132KV TERMINAL TOWER KELANITISSA GSS											
					CEYLON ELECTRICITY BOARD TRANSMISSION DESIGN				Sheet 1	of 2	Rev. 1	of 2	Rev. 1	of 2	Rev. 1	of 2	Rev. 1	of 2
									Drawn By	TD/CE/17	Checked By		Approved By		Rev. 1	of 2	Rev. 1	of 2



Appendix-6

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
1	1982.11.18	D		Densitometer,(Victorian) M- 07-424 S/No.19668	1	RIC	NDT		Rs.36,900		
2	1982.11.19	D		Electronic Equipment - Amprobe megohmmeter AMC3	1	UOSJ	NIL	1/10/1-6	US \$ 330		
3	1982.11.20	D		Amprobe Digsta champ-on VAO Meter	1	UOSJ	NIL	1/10/1-1	US \$ 193		
4	1983	D		Sentillometer SPP-2-NF S/No.212566	1	HLAR	QAL		Rs. 44,800		
5	1983.6.1	D		Ictometer IPP4 140 with probe SGS10, and cable of 100 mm	1	CK	NIL	1,-19/6	Rs.126,790	FAR No.-95	
6	1984.4.25	D		Numbering Machine for Radiation Protection Services		HLAR	QAL	1_40	£ 3960		
7	1984.5.17	D		2 Krt 8205-8206 PM 5705/04 SM21 S-4246 (Pulse Generator & Acc.) 4323	2	CK	NIL	1/42/1	Rs126,791		
8	1984.6.21	LP		Oscilloscope LBO 512 B SN 3120387	1	CK	NIL	1/45/	Rs. 9100	FAR No.-125	
9	1984.7.19	D		Multimeter PAN3001 (Pantec S-832190132112 M-PAN3001)	1	CK	NIL	1_57			
10	1985.6.18	LP		Leader Oscilloscope LBO 522 and accessories S.NO.4034465	1	CK	NIL	1/71/4	Rs. 15,900		
11		LP		Oscilloscope S.No. 5060162/LBO 512B with probe	1	CK	NIL	1/73/5	Rs. 9100		
12	1985.8.24	D		Barrow Meter (2039--70392)	1	RIC	SSDL	1/74/7	Rs.536.5		
13	1985.8.21			Stabilizer and accessoreis VR-1000H	2	RIC	NIL	1/74/6	Rs. 8250.00		
14	1985.10.7	D	i	Digital Multimeter with rechargeable battery pack Modle 177/1788, S.No.280376	1	CK	NIL	2_4/2	Rs. 19,500 US\$ 871	FAR No.-146	
		D	ii	Digital Survey Meter (Model 36150(Intergrating) S.NO.21286	1	CK	NIL	2_4-3	1650		
15	1985.10.23	LP	i	Leader Digital Multimeter Model 853 A S.No. 5080721	1		NIL	2_4-4	Rs. 4850		
			ii	Leader Tr. Cheeker/LVT-72 Jet Vam S.No.9050114	1		NIL	2_4-5	Rs. 5600		
16	1986.1.3	D		2560 NPLTherapy level exposuremeter S.No.218	1	CK	NIL	2_8	6936		
17	1986.1.2	LP		27 Portable Doseratemeter S.No.460	1	HLAR	QAL				
18	1986.1.2	D	i	2581A 0.6 C Ion Chamber (shonka 150) S.No.435	1	CK	SSDL	2_8			
			ii	Modle Type 2562 S.No.214 S R-90 Radiation Source (10m Cr)	1	SSDL	SSDL				
				2561 NPL Therapy level Ion chamber S.No.266(part of 2560)	1		SSDL				
			iv	2568A Extension cable 2560/61	1		SSDL				
			v	2566 NPL Intercomparision Phantom port of 2560	1		SSDL				
			vi	2536/3B 0.3 CC Soft X-ray Ion Cham 2560 S.No.273	1		SSDL				
			vii	2538/3 R/A Source SR-90 (IL1mBQ)SN; 892-1600	1		SSDL				
			viii	2561 NPL Therapy level Ion chamber S.No. 273	1		SSDL				
			ix	2570 A Farmer dosimeter (Roentgens) S.No.551	1		SSDL				
			x	25 Calibration of 2570 (Co-60)	1		SSDL				
			xi	2571A 0.6cc Ion Chamber S.No.1039,port of 2570 A system	1		SSDL		US\$ 27,747		
			xii	2580A Adaptor cable Port of 2570 A system	1		SSDL				
			xiii	2539A Carrying case therapy chambers	1		SSDL				
			xiv	2503/3A Source SR-90 (370 NBQ) S.N.2202 (6411BA)	1		SSDL				
			xv	Shield for 10mCi Sr -90 Source 6411BA	1		SSDL				
			xvi	2575A 600 CC window Ion chamber S.No. 303	1		SSDL				
			xvii	Shield for 30 Ci Sr -90 Source Model 2576A S.No.218	1		SSDL				
			xviii	2532/3A 0.03CC Soft X-ray chamber S.No.266	1		SSDL				
			xix	26 Soft X-ray Calibration of 2532/3	1		SSDL				
			xx	2538/3 R/A Source SR-90 (IL1mBQ) S.No.892-1599 PTW 1984	1		SSDL				
			xxi	2537/3 Phantom soft x-ray Ion chamber	1		SSDL				
			xxii	2578A Extension cable	1		SSDL				
			xxiii	27 Portable Doseratemeter S.No.460	1		SSDL				
19	1986.6.5	D		IAEA Drop out relays with power code and fuse box	3	CK & Thushara	NIL	2_17			
20	1986.12.31	D	i	Logic Probe 545A (Logic Probe)	1						
			ii	Logic Probe 546 A (Logic pulser)	1						
			iii	Logic Probe 547A (Current traser)	1						
			iv	Logic Clip 548A (Logic clips)	1						
21	1986.8.22	D	i	Art No.OB2 Irradiation container for the calibration of gamma dosimeters with a 100 mCi Co-60 Source, Type A Container incl. timer OB36 FAR No. 169	1		SSDL	SSDL	2_38	Rs. 572,005 DM 12530	
			ii	Art No.OB34 Low level Panoramic gamma irradiator (Buchler Calibrator (OB 34/1)	1		SSDL			DM 33500	
22	1987.1.2	D		250 Kv ma Directional X-ray Unit , Model 25/357, ANDREX industrial x-ray set S.No.54043 Consisting of : Tube lead CMA 25, Control Unit CMA 357, Connection Cable 20 m, Power Supply Cable 10 m cable bag with accessories	1	RIC	NDT-1	2_39	Rs. 620,619 ,DKK 139900	FAR No. 197	
23	1987.3.31		i	Portotype Board RS 488-933	1	CK	NIL				
			ii	Portotype Board with powr supply SN. RS 489-100 ² 43-1	3						
			iii	Power Supply cable RS 488 - 185	3						
24	1987.5.19	LP		Allen Key (10Keys)1/16 , 3/8	1		NIL	2_45-3	Rs. 165		
25	87-6-4	D		Spectroscopy Amplifier (Canbara)- Modle 2020	1	AEA	HLCL	2-48-4-1	Rs. 117990 1560	FAR No. 178	
26	1987.6.4	D	i	Tri Care 2050 CA Low level liquid scintillation analyzer (PERKIN ELMER-PACKARD) S/No 86551	1						
			ii	Cooling Unit -CHILL PACK 1420 S/No.1113 -REMCOR							
			iii	CPU 486 S/No 205272 -KEYPRO							
			iv	Monitor NOLX 1451 -KEYPRO							
			v	Key Board S/No.2299788 IBM							
			vi	Rx80 Printer Modle No. P 80RA S/No 08000642 EPSON (PACKARD)	1						

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
27	1987.6.4	D	i	Muffle Furnace Siemon Mueller with (Accessories) 42252/42297	2	Mrs.SSK	-10 -RP	2_48	Rs. 37,674	FAR No. 177	
			ii	Leistungsregler	2						
			iii	Procelan Disk 12 CM DIAM x 4 CM, Height with flat botton, Holdewanger berlin 8A-5	2						
28	1987.8.22	D		Steel Test Pieces with developing powder	1			2_54	\$1,000		
29	1987.9.2	D	i	Normal beam probe B5 S-E Sno. 574	1			2_56-1			UT-2
			ii	Normal beam probe B2 S-E Sno.01121	1						UT-3
			iii	TR-Probe SEB 4E	1					DM 15493	UT-20
			iv	TR Probe SEB 2E	1	NDT	G-05	2_56-2			UT-21
			v	Miniature Angle beam probe MWB60-4(-E) 56928	1			2_56-3			UT-12
			vi	Miniature Angle Beam probe MWB 70-4(E) 56929	1			2_56-4			UT-10
			vii	Miniature Angle Beam Probe MWB45-4(E) 56927	2			2_56-5			UT-15
			viii	Charging Frame UK645	1		G-12	2_56-6			
			ix	Battery assembly for charger UK 685	1		G-12	2_56-7			
			x	Probe cable PK:12	1		G-12	2_56-8	Rs. 245,564	FAR No. 182	
			xi	Probe cable SEKG 2	1		G-12	2_56-9			
			xii	Miniature Probe cables MPKH2	2		G-12	2_56-10			
			xiii	AVG seals MAD 44 (set) DGS Charts	1		G-12	2_56-11			
			xvi	Referance standards V2 (IHW)	1		G-12	2_56-12			
	30	1987.11.12	D		TLD Unit Model 2271 including cables and manuals S.No. 107102	1	RIC	EPM	2_59	Rs 492,376 US \$ 16025	FAR No. 185
				TLD Unit (Harshow) Model 2000 B, S.NO. 972 -Picco Meter M-1040	1						
				Bicron Ne-sr-90/Y/irradiater Sno. 0102030041 m.2210.							
31	1987.11.30	LP		Leader Dual Tracer Oscilloscope S.NO.7100792,7100783	2	CK	NIL	2_61	Rs. 50,200	FAR No 187	
32	1987.12.10	LP		Logic Probe, Model LP2050 S.No.23218,23222	2	RIC	NIL	2_62	Rs. 1450	FAR No 188	
33	1988.4.20	LP		Old Metal Sheets (Circulars plate) 8"x3 1/2" x 1 1/2",14"x 14"x 5/16"	2			2_72	Rs. 695		
34	1988.5.11	LP		Old Metal Sheets (Circulars plate) 8 1/2" x 3 1/2" x 1 1/2"	1			2_73	Rs. 525		
35	1988.8.19	LP		Iron Plates	2 sets			2_80	Rs. 5750.	FAR No.208	
36	1988.8.29	D		FH 40F1 S.No. 2456, 43186	2		SSDL	2_83	us\$ 475	FAR No. 212	
37	1988.9.20	LP		Phototype Board with P.S.U.	2	Mr. R.A	NIL	2_84	Rs. 24,120	FAR No 198	
38	1988.9.30	D	i	Portable Eddy Current Flaw Detector with standard accessoreis and probes	1	Mr. R.A	NDT	2_86/87	Rs. 275,776	FAR No 214	
			ii	Soft carrying case	1 set						
			iii	Pencil Probes, unshielded Z-145-P, S.N. 910-6010	1 set						
			iv	Shielded P-3-ADJ/S-250							
			v	Adaptor cable 940-1721	1						
			vi	Spring loaded spot type probe	1						
			viii	DP-PU-DIFF (CHAM) 932-1051	1 set						
			ix	D/PU -DIFF (stab) 930-1573	1 set						
			x	Adaptor cable 940-1721	1						
			xi	Z-600 -375/5-50 KHZ (925-8502)	1						
			xii	Z-100-125/50-50 KHZ (925-8504)	1						
			xiii	Z-5-125/1,0-2,5 MHZ 925-8508	1 set						
			xiv	Spot type low frequency probe	1						
			xv	550-5000 probe 1-5 KHZ (927-8650)	1						
			xvi	Wear shoe (927 - 8651)	1set						
			xvii	Surface crack standards-950-5000 Stainless steel/950 - 5100	1set						
			37	1989.1.19	D						
38	1-Dec-89	D		1000 Portable Nim Bim CANBARA S/No.S- 1088140	1	RIC	NIL	3/3/6-1	US \$ 1380		
39	1989.1.12	D	i	Portable Crack Detector with acc. "TIEDE" GWH 2000 S.No. 8826483	1			3_-4	Rs. 224,865	FAR No 229	
			ii	High Current Cables 95 mm2	2						
			iii	Pair of Hand Electrodes	1						
			iv	Pair of Kontafluk -B - Electrodes	1						
			v	Electronic democratizing device	1						
			vi	UV-hand lamp with spot focussed reflection TIEDE	1						
			vii	Power Adaptor	1						
			viii	Choke for UV hand lamp	1						
			ix	Detek magnetic field indicator	1						
x	Centrifuge tube, complete with stand	1			MPT-6						
40	1989.2.8			Ultrasonic Flow Detector Testing Equipment USL48 m Krautkraemer	1	NDT	G-05	3_5	Rs. 457036.83	FAR No.-222 UT-26	
41	1989.10.11	D		Pulse generator BNC,S.No.15058,Model PB4	1	NIL	NIL	3_16	4125		
42	1989	D		Radiometer with acc.FH40F2.S.NO.3871,3872	1			3_18	Rs.141,587 .AS \$31370	FAR No 229	
					Gamma Probe FHZ130,S.NO.1296,1297	1		3_18	AS \$11790		
43	1989.11.29	D		Card drawer assembly for mod 2000C TLD Unit incl. Hat finge for card drawer Harshow TL Detector S -905 - M-2000A Picco Meter M-2271	1	TLD		3_18-2	Rs. 79,342	FAR No. 228	
44	1989.-12-27	D	i	Dosimeters pen type BIP STYL S-92488		NDT	G-05	3_-18	Rs. 20673	FAR No. 227	
		ii	Dosimeters pen type SEQ 6-0.2 rad S-92493								
45	1989.12.20	D		X-ray Spare as follows		NDT					
			i	Wire penetrameters to DIN 54109 consisting of FE 1/7 FE6/12,FE 10/16,50m length	1 set						G-12

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks		
										FAR No	Other	
Cont.....			ii	ASME/ASTM Penetrameters steel consisting of Nos.5,7,10,12,15,17,20,25,30,35,40,45,50	1 set		G-12	3.-19-2	Rs.309,352	FAR No. 235		
Cont.....			iii	IIW Collection of reference radiographers with 86 reference radiographers of welds in steel	1		G-12	3.-19-3				
45			iv	Portable monitoring device WD2,with chargeable battery,				3.-19-1-4		} Sold		
		v	Batter Charger CW 180	1		3.-19-1-6						
		vi	Dose and dose rate meter "Babyline81" in gray No. 1794 with batteries,charger and case for the babyline 81 with accessories	1		3.-19-1-6						
46	1989		i	Aluminium Filters type 1100		RPD						
		ii	6" x 6" 0.02"(0.5mm)	2		3.-19-3-1		FAR No. 226				
		iii	6" x 6" 0.04"(1 mm)	2								
		iv	8148 Beam Alignment template	1		3.-19-3-2						
47	1990.2.08	D	i	Dosimeter Charger (Stephen) SNo.2023158	1		G-12	3.-21	Rs. 62,934	FAR No. 241		
	1990.2.8	D	ii	Direct View Pocket Dosimeter,SEQ 6 Indicating range 0.2 R, No.88551-88560	2 boxes							
48				Jacket Bath 6 mm PVC with water inlet & outlet thermostat autom overloading protection for 310 L chemical tanks	1	AEA	Dark Room	3-20-1-1		} Sold		
		i	Tank Dukalit 10 LT	3		3-20-1-2						
		ii	Lid for 3447	3		3-20-1-3						
		iii	Floating Lid for 3447	3		3-20-1-4	DM 4425.50					
		iv	Drying cabinet 20	1		3-20-1-5						
		v	Lab stop timer	1		3-20-1-6						
49				Gamm Calibrator Unit								
		i	Irradiator for calibration of dose rate measuring devices Art.No.OB85 01-1x20 ci Cs 137 (740 GBq),1 x 1 ci Co 60 (37 GBq) BUCHER	1	CK	SSDL	3_22	DM 32800	FAR NO.245	} Rs.1,102,640		
		ii	Control Desk Art No. OB85 02	1				DM 4600				
		iii	2 Radioactive Sources Art No. OB85 03	1				DM 11100				
		iv	Trolley To hold the instrument OB85 04	1				DM 1620				
50	1990.4.10	D		Step down Transformer 2000 watt M-N-11MG , 230/115V,200VA	1	NIL	NIL	3_24	Rs. 19672.8	FAR No.240		
51	1990.5.29	D	i	Contamination monitor (Contamat) FHT 11m	2	NIL	QAL					
		ii	X-Ray Quality control kit	1								
		iii	Beam alignment Test tool Mod.07-662 S/No.7315	1								
		iv	Colimat(On Test tool Mod.07-661 S/No.8636	1								
		v	Aluminium Plates	1								
			1mm = 09	1								
			.5mm =04	1								
			.1mm =07, .31mm =01	1	QAL							
			2mm=01 2.3mm =02	1								
		vi	(iv) Spirit level -01	1								
		vii	(v) Colimeter test Tool Model-07-661	1								
		viii	(vi) Beam alignment Test tool Mod.07-662	1								
		ix	(vii) Focal Spot test tool S/No. 112B-4245	1								
		x	(viii) Beam Alignment Test tool Mod.07-662	1								
xi	(ix) Film screen contact test tool Mod.07-608 S/No.47779-	1										
xii	(x) Colimeter Test Tool S/No. 161B-7028	1	QAL									
52	1990.6.5	D	Laser Alignment with accessories :				Cancer HP Maharagama	SSDL	3_29	Rs.296,776 AS\$ 87287	FAR No. 246	
		i	Power Unit S/No.33453He-Ne-laser 0.5 MW with attached focusing device 7x,Spot-time project turnable beam deflector 90 , C/W high voltage module and connects cable 2m, mounted on special suffer	1								
		ii	Filtering level with 19x telescope, mounted on special flonged joint WILDNK 05	1								
		iii	He-Ne 2 nos. Laser Guns S/No. 137500.5 / 13746 MW, with attached focusing device 15x cross hair projection,turnable beam deflector,C/W hig voltage module	1								
		iv	Power supply 220C AC/12VDC with cable and two sockets	1								
		v	Precision steel rulers 1 m long with matted surface	1								
53	1990.7.12			Mini Monitor II model 05-571 S/No C557		ck	ssdl	3-32-1	£ 20747.45			
54	1990.7.12	D		Porto Barrometer , 2039, 70392 Proz. Baro Mit Thermo 1050 - 920 , Mbar 0-500 M 0091	1	CK	SSDL	3_32	Rs. 19,233	FAR No. 247		
55	1990.7.12	D		Light Barries ,T 340(220V S.No.365196,365193,365194, 365195	3	Exp R	DR	3-32-3	DM 119.61	Rs 14700		
				T583 Reflectors 26 mm data	3		DR	3-32-4	AS\$ 4900	FAR No. 249		
56	1990.7.20	D		Dental Hanger 10 clips	3	Exp R		3_34	DM-1119			
57	1990.7.30	D	i	Water pathom 30x30x30xcm Perspex	1	CK	SSDL		739.73	FAR No. 250		
			ii	Water pathom 30x30x15xcm Perspex	1			3_37	US\$ 2542.37	Rs.90,000		
			iii	12 Slices Pantham								
58	1990.8.21	D		B/W Camera with acc. -		SSDL	SSDL		Rs. 328,575 AS\$101,245	FAR No. 252 (Rs. 394,290)		
			i	Camera (Philips) M-LDH0402/10, S-002193 , S.No.002175,002933,002220,003310	5							
			ii	Wall Brackets S.Nos.30577,30532,30473,31102,30676,31303	5							
			iii	B/W Monotor S.NosQA33380,QA30824,QA3286, QA 33518,QA22552, QA3285								
59	1990.8.21	D		B/W Camera with acc. -		QAL	QAL	3_39	Rs. 65,715 AS\$ 20,249			
			i	Camera (Philips) S-002193 M-LDH0402/10, S.No.002173,002175,002933,002220,003310	1							
			ii	Wall Brackets S.Nos.30577,30532,30473,31102,30676,31303	1							
			iii	B/W Monotor S.NosQA33380,QA30824,QA3286, QA 33518,QA22552, QA3285								
		iv	BNC Cable- 50M	1								

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
60	1990.8.21			(RM) Multy Function KV meter with remort controller S-240A-1366			QAL	3_40	Rs.18,696	FAR No. 256	
61	1990.9.7			Hermes Quality Controll Panthom with three plstic plates and A/C Adaptor Model-B s/No. 328	1		QAL		US \$ 2250		
62	1990.9.7	D	i	Hermes readout unit S.No. 323	1						
			ii	Hermes Phantom block with detector plate S.NO.321	1						
			iii	Signal Cable 20 m	1						
			iv	Battery Charger Transformer	1						
			v	Energy Filters (5,10 and 15 mm thick)	3						
			vi	Build up plates (5,10 and 15 m thick)	3						
63	1990.10.6	LP		Steel Ruler	4	NDT	5-5/G-1	3_44	Rs. 160		
64	1990.11.13	D		Warning Lamps and stand Red type FBL 220V	2	SSDL	AEA	3_44	Rs.29,160	FAR No. 255	
65	1990.12.18	LP		Fabricated steel test paces.	7		NDT	3_45	Rs. 7,000		
66	1990.12.18	LP		Rectangular Blocks	8		NDT	3_45	Rs. 6,240		
67	1991.1.7	D		Pocket Multimeter S.No.224813 keithley	1	NIL	NIL	3_46	US\$ 456		
68	1991.2.22	D		TLD Card Drawer	1	TLD	EML	3_49	US \$ 2340		
69	1991.5.16		i	Autoranging Digital Multimeter S.No.490235, M-175	1						
			ii	High Voltage Probe M. 1600 A Sno-907285 (Kethely)	1						
			iii	HF taskoft M. 1682 A (Multimeter Prob)	1						
70	1991.8.5			Timmer Spare parts for CH55 Syrelec Model Pl. (Type 1000 code PA1.)	1	SSDL		3_56	Rs. 12,125	FAR No. 265	
71	1991.9.2	D		Gamma Discs (model:290, 7 set nuclided in D dishes 1 uci,lack of Ba 133,Cd 109,Co 57 Co 60,Cs137,mu 54 and na 22 (Point Source)	1	NDT	LLCL	3_57	Rs. 38,745	FAR No. 262	
72	1991.12.31			98A 20858 Extender Board "A" for S-20MCA	1	SSDL		3_62	Rs.13,284	FAR No. 263	
				98A 20861 Extender Board "B" for S-20 MCA	1				Rs.13,950	FAR No. 261	
73	1992.2.12	D		X-Ray Calibrater Unit (Pantak)		SSDL			Rs. 1,826,664	FAR No. 264	
			i	X-Ray Control panne-Model HF 160 S/No 9109-0003CP		SSDL					
			ii	Electronic Controller -Model HF 160 S/No 9109-0003EC		SSDL					
	Cont.....		iii	Water Cooler -Model HF 160 S/No 9109-0003WC		SSDL		3-67-2			
73			iv	Cathord Generator-Model HF 160 S/No 9109-0003CT	1	SSDL					
			v	X-Ray Tube		SSDL					
			vi	Shutter Control Pannel		SSDL					
74	1992.2.12			M/No 230 Digital KV Meter S/No. 2030	1			3_67			
75	1992.3.13	D	i	Survey Meter 05 - 571 , S.No.C636	1		QAL	3_68			
			ii	Survey Meter 05 - 571 , S.No.C657	1		SSDL	3_68			
76				Exposure Meter M/No 06-526 S/No 1125	1		QAL				
77				Remort Controller M/No 240A_P/No.102606	1						
78	1992.7.13	D	i	Teleprobe Model FH40 FE-003872-3871 (Fag Survey Meter)	2				Rs. 412,560 AS \$ 103140	FAR No. 255	
			ii	Fag Contamination Probe FHZ 130 S/No.42482/31	2						
			iii	Alpha Beta gamma Probe FHZ 140A S/No.42482/34,S/No.42482/34	2						
			iv	Beaker Probe FHZ173 a S/No.42482/35, S/No.42482/35	2						
			v	Alpha Beta gamma probe FH25731	2						
			vi	Probe Cable 1.25 m	2						
			vii	Wooden transport case for teleprobe FH 40FE	2						
79	1992.2.13	D	i	Digital Audible Dosimeter Model 885 (S.NO.3248.3898)	2		QAL	3_74	\$633	Rs. 325,230 FAR No. 280	
	1992.2.13		ii	Digital Audible Dosimeter Model 885 (S.NO.3248.)	1			3_74	\$633		
	1992.2.14	D	iii	Contamination monitors for alpha beta and gamma radiation model autcount PCM 100 Sno.7304,7303(Breth Hold)	2		QAL	3_75	\$5,400		
80	1992.7.13		i	"Andrrex" (model CMA20) tube head S.No. 52449	1	NDT				FAR No.-269 RT-1	
		LP	ii	"Andrrex" control unit S.No.52449	1		G-05				
			iii	Connection cable 20 mm	1						
			iv	Power Supply cable 10 mm	1						
81		D		C2575 600cc thin window ionization chamber SN.459	1	SSDL		3_75	Rs. 29,160		
82	1992.11.4	LP	i	Fag telesonde model FH40 FE	1				Rs. 315,864		
			ii	Alpha Beta gamma probe FHZ 140 S/No.42482/31	1						
			iii	Beta Gamma Beaker Probe FHZ 173 S/No.42482/35	1						
			iv	Alpha Beta Gamma Probe FHZ 731	1						
			v	Fag Probe M/No. FHZ 731 S/No.42482/38	2						
			vi	Fag Audible dosimeter	1						
83	1992.11.26			IC Chip Sno. 32933032	1		NIL	3_81	\$25		
84	1992.12.30	LP		Krautkramer Model USK 7B Ultrasonic Flow Detector without monitor	1	DGLW	G-05	3_83	Rs. 445,565	FAR No 272 UT-26	
85	1993.2.26	LP		Lab Sink	1	NDT	DR	3_86	Rs. 1210		
86	1993.6.9	D		Nim Bin Power Supply and S.No. 3937103	1	CK	LLCL	3_94	945		
87	1993.6.15	D	i	Multimeter S.No.5730060,5730061,M-8060A	2	NIL	NIL	3_90	996		
			ii	Universal Recharger LT 2003GV "SEIKOSHA" Power Supply	1	RA	NIL	3_90			
			iii	Nicad Battery Pakcs LT 2004NC S.NO. 13676	1		NIL				
88	1993.6.16	D	i	Soldering Power Station-ERSA-MS 6000	1	NIL	NIL			FAR No. 292	
			ii	Digital LCR Meter "Escort ELC 130,S.NO.21014004	1						
			iii	Service Koffer 1750 (Tool Kit)	1						
			iv	Werkzeugtasche 2800 tool set (18 pieces each)	1						
89	1993.6.16		i	Raaco magazine 1224 -Component Storage Boxes (Large)	2				Rs. 46,810	FAR- 293	
			ii	Raaco magazine 1248 Component Storage Boxes (Small)	2						
			iii	Soldering Iron LONER type M-920	1	NIL	NIL				
90	16/06/1993			DC Power Supply PE 1535 OO (Phillips) Sno. WB 5568	1						

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks			
										FAR No	Other		
91	1993.7.6	D		Oscilloscope S.No.B063737, Tektronax 244 5B	1	NIL	NIL	3_95	Rs.22,386.87	FAR No. 295			
92				Telescopic Prob (Fag) M/No.FH 40 FE S/No.FNR-231					620				
				Accessories									
				Detector (Fag Probe) M/No.01164 S/No.42485/5028									
93	93-8-25			Metal Funnel Stand 3" High	1			4_2	Rs.700				
94	1993.3.19	D		Logic Analyzer PC Card	1	NIL	NIL	4_7	Rs. 51,881.95				
95	1993.12.11	LP	i	Krautkramer DM2 thickness guage (Altrasonic Thickness meter)	1	DGLW	G-05	4_-9	Rs. 162000	FAR No-298 UT- 27			
			ii	DA 201 5 MHZ Probe	1								
			iii	DA 231 Probe Cable	1								
			iv	DA 261 Sunshield	1								
96	1994.6.17			Raaco-magazin 1248 Component Storage Boxes (Small)	2	NIU	NIL	4_19	DM 165				
97	1994.8.5	D		Master Board/840632A Accuspec/A (Software)	1	CK	LLCL	4_25	3447				
98	1994.9.2			Temperature Controlled Soldering station PX-1E)	1	Mr. Kasige	Nil	4_27	Rs.6,317	FAR No-300			
99	1994.11.16	LP		Dark Room Safe Light with filter 1/2" 01 number	1	ER T	4_30		Rs. 33,750	FAR No-301			
			i	Film Viewer 01 No. radin hat spot	1	DR			Rs. 36250	FAR No-302			
			ii	Lead services (4"x10"x0.125") 50 No.	50				Rs. 17000				
			iii	Lead services (4"x15"x0.125") 10 No.	10				Rs. 4050				
			iv	Single film cassettes (4"x15") 10 No.	50				Rs. 6750				
			v	Single film cassettes (4"x15") 10 No.	10				Rs. 1700				
100	1995.2.3	LP	i	Survey Meter (Portable Neutron) Model 190, S.No. 1338	1	HLAR	QAL	4_31					
			ii	Ditector Model -RPN S/No. S124	1								
101	1995.5.23	D	i	Weller Desoldering/Soldering PUMP,"DS-801 S.No.40469	1	CK	NIL	4_33	Rs 16,962	FAR No-305			
			ii	Weller Bench Holder (c-15,15093) ,	1								
			iii	Clearing foll DS205(15-1350099)	1								
			iv	Soldering Station -Weller M-WECP 20 S/No. S-07.93	1								
102	1995.6.21	LP	i	Spectroscopy Amplifier M-2012	1	1 Set		4_34	Rs.75,525	Rs. 579,625 (inl.tax) FAR No. 306			
			ii	H.V.Power Supply (Model 3102D)	1				Rs.99,750				
			iii	NIM Bim Power Supply (Model 2000) Sno. 3955409	1		LLCL		Rs.152,000				
			iv	NAI Detector Model 802-4, S.No.03955971	1				Rs.180,550				
			v	P.M.T. Base/Preamplifier Model.2007P) S.No.04956629	1				Rs.43,425				
103	1995.7.6	LP		Lead Shield - 707/S (Special sheet)S.No. 0595, 7336	1		LLCL	4_34	Rs. 492,250	FAR No. 308			
104	1995.6.21			01 set Merinelli Beaker with connecting cable	28	MCS	LLCL	4_74					
105	95-9-28	D		IAEA Ambient Air Sampler including Pumping Station,Sampler Head,Stacked filter unit,01 box of lack of 0.4 um and 8.0 um filters and instructions S.No. 55091180,Model 250	1	MCSS	SPL	4_-35	US\$ 1900				
	1996.2.1	D	i	Mini-Reflex light barriours T-340	3	SSDL	AEA	4_39	Rs. 21,080	FAR No-322			
		D	ii	Glass reflector T 583 26mm dia	2								
106	1996.5.28	D		Volecraft Digital Multimeter Messg.M4650 CR (DMM) and acc. S/No. FG 905920	1	NIL	NIL	4_41	AS \$ 199				
107	1996.5.28	LP		Digital Oscilloscope S.No.B 010937 Tektronix TDS 340 S/No. B 010937	1	NIL	NIL	4_42	Rs. 203,711	FAR No. 321			
108	1996.7.27	D		Lead Collimator with shutter & set of filters (OB85/873)	2	SSDL	AEA	4_48	Rs.201600	FAR No. 319			
109	1996.7.27	D		Support for Lead Shieldering & Remote Control filter changer unit complete	1	SSDL		4_49	Rs. 258,500	FAR No. 323			
110	1996.9.14	LP		Programmable 10MHZ 2DDS Function generator, S.No. 071462, Model TG 1010	1	Mr. Kasige	NIL	4_51	Rs. 127000	FAR No. 314			
111	1996.10.3	LP		Differential Tastkoff attenuator probe Model: SI 9000 1:20 1:200	1	NIL	NIL	4_51	Rs 19,762.5	FAR No. 325			
112	1996.10.15	D		NAI Detector 3" x 3" S.No. 1962042	1	LLCL	LLCL	4_52	Rs. 350,295	FAR No. 324			
113	1996.10.22	D		Electromagnetic Yoke Model Y-7, S.No.96091290	1	NDT - 2	G-05	4_53	Rs. 65000	FAR No-317 MPT-1			
114	1996.10.23	LP	i	Standard Case Contact Probe CHRF 054	1	TMRT	G-05	4_-53	Rs.160000 FAR No- 316	UT-4			
			ii	Standard case Contact Probe CHRF-016						UT-5			
			iii	Angle Beam Wedge (LSA 0248)									
			iv	Angle Beam Probe (LSW 4890)			G-12						
			v	Angle Beam Probe (LSAW 548)									
			vi	Angle Beam Wedge (LSW 4830)									
			vii	Cable B.N.C. Lemo									
115	1996.11.2	LP		Nitrogen Regulator 1256068		JE	PML	4_54	Rs. 8500				
116	1997.2.2	LP		"Elecrtrometer"(Victoreen)Model 530 , S.No. 261 Seatter Ion chamber, Model 6000-532		HLAR	QAL	4_55	Rs. 705,550				
117	1997.2.5	LP		"Memmert" Model UE 400 Electronic Programmable Oven complete with temperature range up to 300 c and integrated digital timer		HLAR	B Block	4_55	Rs. 104000	FAR No. 326			
118	1997.1.18	LP	i	DX 8620 100 MHZ Analogess digital storage oscilloscope Sn.62500802				4_56-1	Rs. 299,500				
			ii	MX 9002 Differential Probe SN.65100871				Rs. 3750					
			iii	HA 1251 Rs. 232/Centronic interface converter for DSO		NIL	NIL						
119	1997.2.13	D		Scintibloc-51 SEA 51 NAI , S.No.6692, (Scintillation Detector)		VAW	SPL	4_56	Rs. 117,162 us\$2864	FAR No.341			
120	1997.4.27	LP		"Automess" Dose Rate Meter Model 6150 ADS,S.No.90473	1	HLAR	SSDL	4_56	Rs.59,957	FAR 327 RT-6			
121	1997.4.27	LP		"Automess" Dose Rate Meter Model 6150 ADS,S.No.90545	1		NDT	4_56	Rs.59,957.5				
122	1997.5.28			Alpha Beta Monitor LB 122 , including LB7618-1, LB-G and calibration against in base standard	1	AJ	QAL	4_57	Rs.105,371.56	FAR No-342			
123	1997.6.16	LP		Black Light 220V Model 2B100 for magnetic particle testing	1	TMRT	G-5	4_59	36000	FAR No-328			
124	1997.6.25	LP		Fluorscent Bench Magnifier with Magnifine Lence	1		NDT	4_60	Rs.8850				
125	1997.8.21	D		Mini Rad Monitor Type 100 R, S.No.3414	1	Mr.A. J	G-10	4_60					
126		LP		UV Light Meter S-39799, M-J221	1	NDT-2	G-12	4_60	Rs. 59900	FAR No- 330 MPT- 8			

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
127	2007.8.27	LP		Magnaflux Field Indicator S-97-729			G-05	4_61	Rs.23,800	FAR No- 331	
128	1997.9.02	D		Indian TLD Reader S.No. 03/97 (TLDBR-7B) (Repleasment to 4-43-6)	1	HLAR	AEA	4_61	Rs.350,000	FAR No 349	
			i	Programmable Computer BARC TLD BR 7B/02/96					Rs12,000		
			ii	Mono SVGA Monitor mono chrome Sno-28015958D Model MF4S					Rs.7,000		
			iii	(BARC) TLD Badges	500				Rs.50,000		
129	1997.9.15	LP		Precision Balance S-12943,M-1620D	1	LLCL	AEA	4_61	Rs.72000	FAR No 329	
130	97-10-30	D	i	REX Reference phantoms base package, Type L981030 26761-0323					Rs. 59,896.95		
			ii	Stand	1	One Set		4_63-3			
			iii	Copper Plate	1						
			iv	Rod Panthom	1						
			v	Philler Panthom	1				Rs. 5370		
131	1997.11.13		i	Standard Imag. Inc.,Film Processor quality control kit and (Dark Room Quality control kit)	1	QAL	QAL	4_64	Rs. 106,080.40	FAR No 345	
			ii	X ray 331 portable densitometer,S.No.033036 lid. AC/DC Adaptor	1						
			iii	X-rite 334 portable sensito meter S.No.20978	1						
			iv	TM-99A Digital Thermometer S.No.179090	1						
132	1998.1.9	D	i	Dose Rate Survey Meter "GRAETZ X5 DE ,S.No.53138	1	HLAR	QAL	4_65	Rs. 201,630	FAR No-362	
			ii	"GRAETZ Telescope Probe S.No.175492	1						
133	1998.1.22	D	i	Radiation Monitor with cable, S.No.26-0230,Model 2026 C (RADCAL)	1	HLAR	QAL	4_66	Rs.149,550	FAR No-346	
			ii	Electrometer / Ion Chamber Model:20x6 - 1800 , S.No. 30115	1						
134	1998.2.16	D		X-ray Beam Analyzer,"Victoreen" S-1471,M4000 MX	1	QAL	QAL	4_66	Rs. 212,975 US \$ 3500	FAR No-363	
135	1998.2.6	D		Acanteam 5500 welch Aqlyn Barcode reader Sno. 1311053-	1	HLAR	PML	4_67	Rs. 2,123,712	FAR No-367	
136	1998.2.4	LP	i	Computer Dose System	1	Mrs.SSK	G-9	4_67	Rs.320,769	FAR No-366	
			ii	"Wavetek" Model 310B/320B Digital Multimeter S.No.97010791	1						
			iii	Electro Chemical Cell	1						
			iv	IBM Compatible Software	1						
137	1998.6.30	D	i	LCD Display unit incl.display of piggyback board	1			4_-70	Rs. 149,874.59	FRA No- 349	
			ii	Cable to connect LCD Display Unit to Z1-562D board	1						
138	1998.8.14	D		Concrete Test Hammer type N,S.No. 145079		NDT	G-5	4_-72	Rs. 549,676.32	FAR No-348	
			i	Testing Anvil N/ND/L/LR, S.No.9/169,							
			ii	Rebar loctor profomater in model 6 basic equipment S.No.2040-42							
139	1998.9.25	LP		wall mounted thermohygrometer model S.No.150 SEKISUI	1	CK	SSDL	4_73	Rs.7500		
140	1998.9.30	D		Electrostatic Unit Model No.2.u 500 (Keep with the 4-76 balance) (consumable)	1		XRF	4_74	\$30		
141	1998.11.19			Micro Pippete 50 to 200 µL ,Micro Pipette 200 to 1000 µL	2	Mrs.SSK	G-10	4_75	Rs. 25,000		
142	1998.11.20	LP		Solder Sucker		Carmela	Nil	4_75			
143	1997.2.06			Digital X-Ray timer -07-457 S/No C-1334	1		QAL		Rs.104,000		
				Digital X-Ray Exposure timer -07-457 S/No C-1335	1		QAL				
144	1998.12.12	LP		Bench Top DC Power Supply, PL 320 QMD, S.NO.104883 (Priction Line)	1	CK	NIL	4_76	Rs. 61830	FAR No 354	
145	1998.11.25	LP		Micro Balance S.No.13201769,AxD HR 202 Capacity 210g x 0.0001g (Dual)	1	XRF	XRF	4_76	Rs. 107000	FAR No 360	
146	1998.12.2	LP	i	Mini 900 Seris Contamination Monitor S. No. 0003607, Model 900/EP15,	1	QAL	QAL	4_76	Rs. 105,750	FAR No-358	
			ii	Mini 900 Seris Contamination Monitor S. No. 0002943, Model 900/EP15,	1				Rs. 151,875	FAR No-359	
147	1998.12.20	D		Magnatic Stirrer S-33041(Traple Place Heated) S.No. 33041	1	RPL	G-10	4_77	Rs.100,637.33 £ 490.06	FAR No 350A	
148	1999.1.18	LP		Victorian' Iron Chamber Survey Meter,S.No.1016,M-450, P-DE-SI (Iron Chamber Survey Meter)	1		QAL	4_77	Rs. 195500	FAR No 370	
149	1999.3.8	D		Viscometer S-112804	1	RPL	G-10	4_79	1685	FAR No 354-A	
150	1999.2.23	LP	i	Mechanical Stirrer S-JGL 1924	1	RPL	G-10	4_79	Rs. 13500	FAR No-371	
			ii	Heating Mental	2		G-10				
151	1999.3.29	LP		Model 707/S Special Shield for use with NAI Detector	MCS	LLCL		4_80	Rs.835,000	FAR- 372	
152	1999.3.29	LP		Dessicator Cabinet Mino TDC 281-P- S- DES07292-98	1	SSDL	AEA	4_80	Rs. 233,600	FAR- 373	
158	1999.4.2	D		Dry Oven "MEMMERT" ULE 600 , S.No.96980192	1	RPL	G-10	4_80	Rs.254,891.47 DM 3600	FAR No-355	
159	1999.4.2	D		M4 3D Digital Smoke Stain Reflectometer S-02891,14704 , Sno. 02971M 14901	1			4_81	£ 1210.5	FAR No-385	
160	1999.5.3	D		U.V. Exposure Unit,Model. LV204,S.No.071205	1	RP	NIL	4_81	£ 350 66,174	FARNo-357	
161	1999.6.16	D	i	SNS -3 Data Logger S.No.3-8	1	VE	TCL	4_83	Rs. 159,991	FARNo-387	
			ii	Palm Top Computer Model F1238A S/NSG83370952 (HAWELTT PACKARD)							
			iii	AC/DC Adaptor F 1307A ABG S/No TH744034701 (HAWELTT PACKARD)							
162	1999.7.29	D	i	Portable Digital DM 7330221 Oscilloscope (Scope Meter) Fluke	1	NIL	NIL	4_85	Rs. 190,644.30 \$3683.1	FAR No-390	
			ii	RS.214-146 Digital IC Tester Chipmaster (compact) S.No.CMC42800	1						
			iii	RS 546 -354 Multipurpose vice and 3rd Hard system (PCB Holder accessoreis)	1						
163	1999.7.27	LP		Water Bath DK-8B, S-99436, Ambient - 99L with a digital temperature control	1	RPL	G-10	4_86	Rs. 44,088.88		

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
164	1999.9.10	D		"Canberra" Easy Spec Hand Held NAI Spectrometer S.No.12982493	1	MCSS	LLCL	4_87-3-2	Rs. 475,483 £ 6896	FAR No-394	
				Adaptor "UMEC" S.No.C8047363	1		LLCL				
165	1999.11.5	D		Water Purifier,Type200 S.No.10777399G (Water Stillor)	1	RPL	G-10	4_89	Rs. 111,242 DM 1657	FAR No 376	
166	1999.4.20	LP		Top Pan Balance 6200D SCS	1	RPL	G-10	r	Rs. 61,222.74	FAR No 374	
167	1999.11.11	D	i	Dumbell Cutter and acc. S-C99005/12	1	RPL	G-10	4_89	Rs. 317,481 £ 2317	FAR No 378	
			ii	Specimen cutting Die with shank, to ISO 37 , Type 2-1997	1						
			iii	Tear Test specimen in cutter with shank to ISO 34 Fig 3-1979	1						
168	1999.11.17	D		Spectroscopy Amplifier, triangular ganssian , S.No.06995605,Model 2026	1	LLCL	LLCL	4_90	Rs.187,459 \$2380	FAR No-377	
169	1999.11.17	D		Motor Mill "Pulverise" S.No.102/5365 with acc.	1	SPL		4_90	DM 8929		
170	1999.11.18	D		Bi Distillation Unit Bi 12E including filling level sensor S.No.3510999,M-D6450	1	SPL		4_90	Rs.463,015 £ 11265.45	FAR No-397	
171	1999.12.2	D		Microwave Digestion vess 45 ML	4	MCSS	XRF	5_1-1	Rs.152192.00	FAR No-398	
172	1999.12.2	D	i	"USKPC" Mains Battery Charger Unit (USK-PC) , S.No.387	1	G-5	NDT- G-5	5_-1-2	£ 190		
			ii	"USKPC" Battery Pacy (Nickel cadmium rechargeable battery) S.No.HA98050707151,Type 0757-203-301	1				£ 95		
173	1999.12.3	D	i	X-Ray Tube -(GILARDONI) M-1.5E+07 S/No. 62/147		NDT	B,Bloc k	5_1-5	Rs. 1,993,919	FAR -383	
			ii	X-Ray Control Unit -(GILARDONI) M-1E+07 S/No. 11430004							
174	2000.2.8		i	Portable Neutron Dosimeter Unit CRAMAL/ 31 Sn. 1818603/18396	1		QAL	5_3	Rs. 30,748		
			ii	Battery Charger S.No. 18379	1						
175	2000.2.14	LP	i	Seive Shaker Model D051 S.No.106A1197 with acc.	1	MCSS	SPR	5_4-2	Rs.173,000.00	FAR No- 423	
			ii	01 set of lid and receive							
			iii	01 No. 200 mm/2mm sieve (S.No.5647533)							
			iv	01 No.200 mm/850 micron sieve							
			v	01 No.200 mm/425 micron sieve							
			vi	01 No. 200 mm/250 sieve (S.No.5578459)							
			vii	01 No. 200 mm/106 Micron sieve							
			viii	01 No. 200mm/75 micron sieve							
175	2000.2.15	D		GAMA Beaker PP325DIL with lid L.P. and 133 N.E	33	MCSS	SPR	5_4-3	501.6		
176	2000.2.21	D		NAI (TI) Scintillation Detector ,Mistyle Detector Model 3M3/3, Make Bicon. No. AA 8140	1	MCSS	LLCL	5_5_2	US\$1540	FAR N-382	
177	2000.3.17	LP		Universal Oven M-Tanko	1	MCSS		5_6-7	Rs. 58,500	FAR No- 424	
178	2000.3.23	D		Evaluation Kit for Microcontroller -80C535 (MCB517AC V 2.9 517 starter kit) KEIL Board	2		NIL	5_10-3	Rs. 79,202		
179	2000.4.7	LP		Test Tube Racks	3	Mr. Kapila	QAL	5_10-7	Rs. 600		
180	2000.5.3		i	Soldering Station, Model 168-3C , S.No.9508.9511 XY Tronics	2		NIL	5_13-5	Rs. 14,400	FAR No-404	
	2000.5.4		ii	Desoldering Pump (50SLG 93, GS GS108)	3		NIL	5_13-7	Rs. 2,168	FAR No-405	
181	2000.7.19	D	i	12TON Mannual Spectroress (4312 E Pellertizer S.No.012962-02	1	VAW	SPR	5_16-5	Rs. 223,315 (US \$ 3241)	FAR No-426	
			ii	Die and Plunger evacuable 13 mm (4013)	1						
182	2000.7.26	LP		PH Meter, Bench Type Complete with Temperature Probe Adaptor & Electrode EC/FG 7350401B "EUTECH" S.No.41112, Make. Singapore,Cybercan 500 PH		RPL- SSK	G-10	5_17-2	Rs.43,295	FAR No-407	
183	2000.8.1	LP	i	X-ray Beam Analyzer,Victroreen "NERO TN MAX ,Model 8000 S.No.93754 (X-Ray test devise)	1	QAL	QAL	5_17-4	Rs.885,979 US \$ 10860	FAR No-384	
			ii	KVP Range Meter Model 8000 S.No.93754, Make USA (Detector)	1						
			iii	Micro filters S.No. 93754,W/A/ Filter S.No. 93754	1						
			iv	AC Adaptor Make "China" port No. PD 1210 AEPL5	1						
			v	Detector Cable with carrying case "ZERO" Centurion	1						
184	2000.9.4	D		Analog Interface Board S.No.0518620	1	RA	QAL	5_19-4	US \$ 540		
185	2000.9.18	LP		Jouan Bench Top Centrifuge,Model BB3V(30007151)		SSK	G-10	5_19-5	Rs.89,000	FAR No-408	
186	2000.10.13	LP		Ionization Chamber 0.6 CM type S.No.3071,M 2571A	1		SSDL	5_20-5	Rs.171,414	FAR No-411	
187	2000.10.24	LP		Fluoroscopic Test Object (with 2 copper plates S/No.47032-061 ,4601502-20)	1	THSS	QAL	5_21-3	Rs. 99,500	FAR No-409	
188	2000.10.25	LP	i	Motorized Depth dose system S No. 841 M Including following	1	JG	QAL	5_21-4	Rs. 460,000	FAR No-410	
			ii	Water Phantam S.No.749,Model MT 150	1						
			iii	Power Supply, Model STAF-1059 ED	1						
			iv	Water Drain Kit S.No.99101214F,Model. MT-DDA-M	1						
189	2000.11.6	LP	i	Lead Marker Storage Box Complete with : 5 sets (1 each) letters A-Z and numbers 0-9 size : 6 mm	1		G-12	5_-22-1	Rs.6950	RT-5	
			ii	Channel Hangers for 3 film 4"x10"	8				Rs. 37,840		
			iii	Image quality indicators wire type set (1 each) EN 462-111 AL EN 6 AL EN 10 AL EN, 13 AL EN (for aluminium)	4 (1set)		G-12		Rs. 10,870		
			iv	Image quality indicators wire type set (1 each) EN 462-1:1 FE EN, 6 FE EN, 10 FE EN, 13 FE EN (for steel)	8 (1set)		G-12		Rs. 8,595		
190	2000.11.29	LP		NIM BIN Power Supply S.No.07004103, M-2100-2 "Canberra"	1		NIL	5_23-2	Rs.286,875	FAR No-414	
191	2000.11.29	LP		Fast Pulser S.No.09005249,TC 814 ("Canberra")	1		NIL	5_23-3	Rs.130,000	FAR No-413	
192	2000.12.4	LP		Water Deionizer (Barnstead D 7033-30 Easy Pure RF Bench Top Deinizer complete with D 50231 Pre-treatment D 50229 High Purity/Low TOC DI cartridges and FL 703x2 0.2 u final filter S.No.1051000962198	1	Thilaka	SPR	5_23-4	Rs.241,596	FAR No- 415	

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
193	2000.12.27	D		High Voltage Power Supply S.No.09005492,M-3102 D	1		AEA	5_25-1	Rs. 129,375	FAR No-416	
194	2000.12.27	LP	i	Micropipett 1-10µ S.No.26478/26480, Model R680/0	2		XRF	5_25-2	Rs. 19,200	FAR No-432	
			ii	Micropipett 1-100µ S.No.32070,32071, Model R680/B	2		XRF		Rs. 19,200		
195	2000.12.28		i	Phasec 2200 Eddy Current Instrument,Dual Frequency with static & Dynamic mode conductivity & coating thickness measurement C/W Operating manual, niccd cells				5_25-3	Rs 1,523,455	FAR No-420	
			ii	331012-PHASEC 2200, Portable dual frequency eddy current ist., S.No.83355/02	1						
196	28-Dec-00			Acc. of Eddy Current Instrument							
Cont...			i	39A035- BATTERY CHARGER/ELIMINATOR Locator 2/2Ph2200 requires relevent input & output power leads,S.NO.85379/01	1		G-12			ET	
Cont...			ii	(29A096) CORD	1		G-12				
196			iii	33A140 - Carrying bag for PHASEC 2200	1		G-12				
			iv	122PIA-Probe,SFC. Unshielded 4-0" pencil 2M.NF acetal	1					ECT-8	
			v	33A135 - LEAD cond/fast scan-PHASEC 2200 Lemo 5 w Pl to Lemo 12 w pl 1.5 m	1					ECT-19	
			vi	5A011- Lead,Probe 1.5m (BNC-BNC light weight cable)	1					ECT-16	
			vii	33A130-Adapter, 1.5 m Lemo/12w-lemo 4 w (PHASEC 2200 reflection probe	1					ECT-20	
			viii	700 P11A-Probe Reflection shielded NFE. 11 idia x 45 Lemo - 4 w 300 HZ-100 KHZ S/No. 83488/3	1		G-12			ECT-7	
			ix	5A213B-Test pencil calibration tube ASME-5 (CZ126 05/8" O/D 20 SWQ)	1		G-12				
			x	IDP138L-18K- Probe, I/D Driff rigid-83 18K 13 (DEMO STD) discon lead S/No. 82750/1	1		G-12			ECT-6	
			xi	47P001- Probe elect. Conductivitystd. AS3000 60KHZ 500 KHZ 12.7DIA, S.No.83754/10	1		G-03				
			xii	33A136-Conductivity calibration block set for PHASEC 2200	1					FAR No-420	
			xiii	106P4-Probe SFC shielded 4.5" str 2.0M Nfe. Acetal	1						
			xiv	29A001-Lead probe 1.5 m BNC/Microdot for locator	1						
			xv	130 P4- PROBE SFC. Ushilded 4-0" 390 Ult pemal 7 K.60K acetal BNC	1						
			xvi	120PIA-PROBE,Sfc ushielded 4-0" pencil 200k. f/NF acetal	1						
			xvii	104P4-Probe SFC shielded 4-5"str. 200k F/NR	1						
197	2000.2.1	D		Panel Meter	1	NIL		5_27-3	Rs. 1200		
198	2000.2.1	LP		ST 62 goot Magnifier glass 01	1		NIL	5_27-4	Rs.1100		
199	2001.2.3	LP	i	"Bicron" Scintillation Detector NAI (II) Model ORTEC 905-4,S.NO.TP 630	1	MCSS	LLCL	5_27	Rs. 127,525	FAR N-402	
			ii	ORTEC MS276 PMT BASE with Pre Amplifier cables S.NO.4108	1	MCSS	LLCL		Rs 235,847	FAR No-419	
200	2001.2.13	LP		ORTEC Spectroscopy amplifer M-575A	1	MCSS	LLCL	5_27	Rs.132,300	FAR No-418	
201	2001.2.21	D	i	Si(Li) Detector Modle SL30165,S.No.1100909	1						
			ii	Desk Top Inspector, S.No.10005670	1	MCSS	LLCL	5_29-1	Rs.1,443,834	FAR No-436	
			iii	Genie 2000 basic input S 502C(software)							
202	2-Feb-01	D		Sample Holder attachment to fit X-ray tube shield	1	VAW	XRF	5_30-2	Rs.148,672.92	FAR No-438	
203	2001.3.6	D	i	Ultrasonic Cleaner,Model RK1040 SN 319020018	1						
			ii	Basket Type Vibratory disk mill, Model KS 100 P/N20.724 0003	1						
			iii	Sieve shaker AS 200 control G.P/W30.017 0001 SN.200412020	1						
			iv	Sieve damp 'Comfort for sieve 200 P/N310310015AS 200 control G.P/W30.017 0001 SN.200412020							
			v	Standard test sieve 200x50 mm DIN ISO 3310/1C Mesh 63 um P/N 31031 0015	1						
			vi	Milling equipment/grinding set RS100 chrome steel 250ml P/N 01.462.0172	1						
			vii	Milling equipment/grinding set RS100 from agate 100 ml	1						
204	2001.5.9	D		GM Tube							
				GM Tubes with ripout , S.No.21/2/2KI,Model GM 120	1						
				GM Tube with ripout 22/2/2KI, Model GM120	1						
				GM Tube with ripout 23/2/2KI, Model GM120	1						
				GM Tube with ripout 24/2/2KI, Model GM120	1						
				GM Tube with ripout 25/2/2KI, Model GM120							
205	2000.5.16	LP		Lead Shield , Model 7075 (Ref:50/00/088, for 3x3 Nal Sno.02990213	1	SPL-	LLCL	5_36-1	Rs. 745000	FAR No-403	
206	2001.5.21	LP	i	Bench Thickness Gauge (Digital) Base (S.No.98017/13 Wallace							
			ii	Dial Guage Sno. 113068 Wallace							
			iii	Aditive weight (304)							
			iv	Anvil 3.7mm dia							
			v	Anvil 5.5 mmdia							
			vi	Operating Instruction manual & Test certificate No.22654							
207	2001.5.3	LP		Steel Plates (300mm x 250cmx19mm)	15		NDT-2	5_38-7	Rs. 11,250		
208	2001.5.30	D		Ion Chamber survey Meter Type:21005, S.No.0001953, Model Mini Smarton	1		XRF	5_39-1	Rs. 196,038.95	FAR No-439	
209	2001.6.20			50 NP 13 y.20 Wire Cutters (Goot)	2		NIL	5_40-1	Rs. 1956		

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
210	2001.7.30	D		Gents Air Smapler with stacked filter unit (Ambient Air Sampler, incl: pumping station , Sampler Head, Stacked Filter Unit , 1 box each of 0.4 um & 8.0 um filters	1		AEA	5_42-2	Rs. 367,333.71	FAR No-440	
211	2001.8.7	LP	i	Balance Load 470 uH 52x13.5 dial (17 KHZ C/F) BNC - PL S.No. 51815 (5A 137)	1			5_43-1	Rs.12,850	FAR No-453	
			ii	Cable , 1/D Prob.SW/able Cbi,C 20m				5-43-1	Rs.44,525	453	
			iii	Jaeger-6WCBNC-SKT load discon S.No. 92550/01 LRC-5P			G-12			FAR No-452	
			iv	Test Piece, Support ring steel (5A -216)	1				Rs. 14,872	ECT- 26- 454	
212	2001.8.14	LP		ESCO Model EQU/05-EFt customized fume hood/cupboard with all related accessoreis ,S.No.2000-578	1		SPL	5_43-4	Rs.638046	FAR No-417	
213	2001.8.14	LP	i	ESCO Model EQU/05-EFt customized fume hood/cupboard with all related accessoreis ,S.No.2000-577		SSK	G-10	5_43-4	Rs.638,046		
			ii	SDS Analysis Kit							
			iii	Aluminium Sprite Level's Guage							
214	2001.8.17	D		Baby line 81-Portable Ionization chamber S.No.2866,2867,Model : 18316	2	QAL		5_45-1	Rs. 380936.12	FAR -435	
215	2001.8.18	D	i	Model ASA 100 NAI Multychannel Analyzer Card Sno. 6010833		MCSS	LLCL	5_-46-1	Rs. 601,507	FAR No -441	
			ii	Model S-500-C GENEI-2000 Basic Multiinput (Basic spectroscopy software) Sno. 0675080							
			iii	AFT Research Amplifier "Canberra" S.No. 06010526, Model 2025	1						
			iv								
216	2001.9.3	D		UV-VIS Spectrophotometer Co 2951019		SSK	G-9		Rs.1,348,468	FAR No- 443	
217	2001.11.5	LP		Display Assembly for Canberra Model 2071 dual counter timer SNO. 1183609	1		NIL	5_50-6	Rs.20,380	FAR No- 444	
218	2001.11.20	L P		Ortec Gem -35-P Pof Top Cafisute HPGE Co ariel gamma ray detector S.No.41-TP11706 A	1	MCSS	LLCL	5_51-1	Rs. 2,322,416	FAR No- 451	
219	2001.11.27	LP		Oscilloscope SS 7810, (TWATSU) S.No. 31213663	1		NIL	5_52-2	Rs. 163,404	FAR No- 456	
220	2001.12.13	D		Evacuable Pellet die PT No. 3165	1		XRF	5_56-1	Rs. 63,467.97	FAR No- 447	
221	2002.3.22	D	i	Alpha Spectrometer combination sample holder S.No.08011827 Modle 7401	1	MCSS	HLCL	5_60-4	Rs.1,123,462	FAR No-465	
			ii	A 450-20 Alpha PIPS Detector S.No.45020	1						
			iii	C-125-10, BNC To BNC, RG 58/u,50 OHM cable							
			iv	8500C Genie-2000basic-multyinput Genie-2000 8500 security key, Genie 2000CD ROM							
			v	Genie 2000 Operational manual & Ccustomization Tool manual							
222	2002.03.22			Accuspec A Board, Cable LB 1500 Manual: System coinsid S/No 11013890		NIL		5_-60-4			
223	2007.8.27	LP		Magnaflux Field Indicator S-97-729	1		G-05	5_61	Rs.23,800		
224	2002.4.9		i	Aluminium Foil 0.5 mm (0.02 in) Thick Puratronic, 99.998% (Metals basis) stat warennunmer : 76061191	1						
			ii	Copper Foil,0.5 mm (0.02in) thick, Puratronic,99.998% (Metals basis) stat. Warennunmer: 74101100	1						
			iii	Gold foil,0.5 mm(0.02 in) thick,99.95% (Metals basis) stat warennunmer:71081380	1						
			iv	Iron foils,0.5mm (0.02in) thick 99.99% (Metals basis) stat.Warennunmer: 72101290	1						
			v	Molybdenum foil, 0.5 mm (0.02 in) thick 99.95% (Metal basis) stat warennunmer: 8102920C	1	VAW	XRF	5_62-1			
			vi	Tantalum foil, 0.5 mm (0.02in) thick,99.95% (Metal s basis) stat. warennunmer: 81039010	1						
			vii	Titanium foil, 0.25 mm (0.01 in) thick 99.99% (Metals basis) stat warennunmer: 81089050	1						
			viii	Yttrium foil, 0.25 mm (0.01 in) thick, 99.9% (REO), stat.warennunmer: 28053090	1						
			ix	Zirconium foil, 0.25 mm (0.01in) thick, 99.94% (Metals basis) stat. warennunmer: 81099CCC	1						
			x	Mixer vortexer stuart SA7	1						
225	9-Jun-02			Thermo meter 10-250C (Mercury)		TCL		5_-67-1	Rs. 810		
226	2002.7.16	LP		Aluminium Crucible	4		Hot Lab	5_69-6	Rs. 986.63	FAR No-468	
227	2002.7.5	LP		Thermo Meter 10 to 350 C		TNA	XRF	5_69_3	Rs. 810		
228	2002.10.23	D	i	001-0056993/LPBXQ, Angle Beam Probe, WB-45-1E	1	TMRT	G-03	5_71-9	FAR N0-462 Euro 2242	UT-7	
			ii	A002-0056994/LPBYS, Angle Beam Probe, WB 60-1E	1					UT-8	
			iii	003-0057001/LPB67, Angle Beam Probe, WB 70-2E	1					UT-9 -	
			iv	004-0057746/LQB2G, Straight Beam Probe, B4 S-E	1					UT-1	
			v	005-0057903/LQCT3, Fingertip Probe, MB 10 F-E(Microdot Brobe)	1					UT-	
			vi	006-0050326/LPWTS, Probe Cable	1						
229	2002.11.7	D		SMD Micro Controller Training Kit	2	PM	NIL	5_71-10	Rs. 95,756	FAR No-558	
230	2002.11.02	D		15KVA Online Uninterruptible Power Supply (1 hour running time with full load without AC power) Type RVSVS 105065 Power 5000 VA (3500 W Cont. Operation) Main connection voltage:230V,50HZ Output Voltage:230V,50HZ, Bridging time: 65 minutes, SN 0208200329	1	MCSS	LLCL	5_72-1	Rs. 599,317.22		
			i	130 O3 Probe	1					G-12	
			ii	33 A048 Test Pices,	1					G-12	
			iii	31 A 008 Test Block Fe (ENIA 4 x 0.5 spacers 6x25x102mm,S.No.308936/05	1					G-12	
			iv	PC1-5 CPT Colombo	1						

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
231	2002.12.20	D	v	700P001 Probe reflection, spot/face shield ,NFE, 200-205 KHZ Sprung, 32x21x54 high	1	TMRT	ET	5.-73-10	Rs. 204,042 \$1540.80		
			vi	5A011 Lead Probe 1.5 long (BNC-Bivlic lings weight cable for use with 13030 P3 Probe	1						
			vii	33A121-Adaptor, Lemo Jaeger 0.15m Hocking probe-phasec 2200 for use with P04 weld soar probe	1					FAR No-458	
			viii	5A173-Adaptor,1.5 m Jaege/6 m lemo phasec 2200 to reflection probe for use with 33A121 and 700P001 Probe S/No 83488/3	1						
			ix	800 P 01 Probe, weld scan str.55, 700 KHZ, Fe Tip -R8/16 dia, cbl - 5 m long, jaeger connector	1						
			x	5A011 Lead Probe 1.5 long (BNC-Bivlic lings weight cable for use with 13030 P3 Probe	1						
233	4-Jan-03			Radio Isotop Generator	1	VE	Hot lab	5.-74-1	Rs. 14,682		
234	2003.01.21	D	i	Canberra AFT Spectroscopy Research Amplifier , S.No.05026681, Model 2025 Electronic Components for HP Ge ortec detector model GEM 35 P, S.No.06028105	1	MCSS	LLCL	5_74_2-	Rs 678,859.89	FAR No-469	
			ii	0-6 Kv Power Supply (USD 1120.00)and Ligic Inverter box (USD250.00)	1						
			iii	Nim Bin Power Supply (6,12,24V) 220 VAC (S.No.08028105) MN-2100	1						
235	2003.1.24	D	i	Handheld Dual Colour Sensitometer (S.No. 001474)	1	THSS	QAL	5_75-1			
			ii	07-440-220 Digital Densitometer with Rs. 232 (006)	1				320435.5067		
			iii	16-109 Autostep,X-ray film processor software (350260)	1				(US \$ 3194)		
			iv	07-460 calibrated step tablet	1						
			v	07-402 Digital Termometer,S.No.435315	1						
236	2003.1.30			Ceric Cerous Dosimeters (1 plastic container)		RPL	G-10	5_75	Rs. 14397	FAR No-467	
237	2003.-4-9		i	Transfermeter (step down) for filling liq. Nitrogen	1	LLCL		5.-76	Rs. 2,300		
		LP	ii	DC Pannel Meter	1	LLCL		5_76			
238	2003.06.2	D		Marinelli Beaker	162	LLCL		5_76	Rs. 482,241.91		
239	2003.6.28	D	i	Liquid Scintillation Analyzer(LSA) Modle A317001(PERKIN ELMER-PACKARD) Tri-carb 3170 TR/SL Base Unit (S.No. 430841)	1	VE	G-17	5_77-3	Rs.4,778,721.38	FAR No-471	
			ii	Cooling Unit -CP-10-SEI -S/No.02040213- -PERKIN	1						
			iii	Monitor OPTIQUEST Q71 VCDTS22355-6M S/No 70A024903596 (VIEWSONIC) SVGA 17 inch Monitor	1						
			iv	Printer EPSON STYLUS C. 82 Modle No-B171A S/No EM2E094444	1						
			v	Accessories of (LSA)							
			vi	Temp.Control Kit 220 volt.	1						
240	2003.6.18	D	i	6" Cooling Rod Extention	1	TNA	LLCL	5_78-1	Rs. 293,194.20	FAR No-472	
			ii	Dewar Leveling Stand	2						
241	2003.7.1	D	i	4000 M Plus Noninvasive X-ray Test Device 103790	1	SSK	QAL	5_79_1	Rs. 702,752.50	FAR No-477	
			ii	4000 excel add in software	1						
			iii	600-100 Ion Chamber 3 cc CT Dose 106162	1						
			iv	303 CNMC 3 cc Mamo/Diagnostic chamber w/coax BNC-M W/Banana Plug 3077012	1						
			v	6000-530 B Ion Chamber,150 CC, Fluro Exit Dose (Acrylic) 106916	1						
242	2003.7.1	D		Gamma Cell Brit GC 500		RPL	B Block	B O Survey	Rs. 7,537,082	FAR No 485	
			i	Ring Spanner Kit							
			ii	Separate ring spanner							
			iii	Set spanner kit (12 Nos)							
			iv	Allen Key Kit							
			v	Gama Cell Covers							
				1. Cylin dried type							
	2. box type										
243	2003.8.20	D	i	Top Opening Lead Shield (16" Deep) S.NO.4031695 Modle 747	1	MCSS	LLCL	5_79-2	Rs.1,298,034	FAR No-478	
			ii	Annular Plug (foor 7500 only)	1						
			Cold Finger Extention-4" long	1							
244	2003.8.26	D	i	MT 1900 Graphit,High-temperature furnace,S.No.HQ 001032		RPL	G-9	5_79-3	Rs.4,731,489.80	FAR No-479	
			ii	Automatic Voltage Stabilizer for HT 1900 Fumance S.No. 0561091							
			iii	Nitrogen (N2) Cylinder for HT 1900 Fumance							
			iv	Hydrogen (H2) Cylinder (H2-5%, N2-95%)for HT 1900 Fumance							
			v	Liquid Petroleum (LP) Gas Cylinder-Large for HT 1900 Fumance							
			vi	Liquid Petroleum (LP) Gas Cylinder-Small for HT 1900 Fumance							
245	2003.10.6	LP		"XMSEA" X-ray film processing system for industrial Radiography	1	TMRT	DR	5_80-3	Rs. 46,500	FAR NO- 487	
246	2003.10.15	D		Marinelli Beaker 133N incl. lid. (Pc)	33	MCSS	LLCL	5_80-4	Rs. 97,077.10	FAR NO- 480	
247	2003.12.19	D	i	Basic Water Quality (HACH Dr 2400) S/No. 030900002601(Portable Spectro meter)	1	VE	TEL	5_81-4	Rs.434,065.82	FAR No-481	
			ii	Digital Titrator HACH							
			iii	Instrument case DREL/2400 HACH							
			iv	Apparatus & Regeant Case DREL/2400 HACH							

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
248	2003.12.13	D	i	Multi Parameter Instrument 340 SET 1 S/No. 03380015, w12F 114 B22 with datalogger, Serial interface additional power supply, Professional case, Probes: SENTIX 41-3, Cellox 325-3, Tetracon 325-3	1	VE	TEL	5_82-1	Rs. 183,762.67	FAR No-482	
			ii	Dissolved Oxygen sensor CELLOX 325-3 S/No.03360165							
			iii	Conductivity Cell TETRAON 325-3 S/No 03360279							
			iv	PH Electrode SENTIX 41-3 S/No CO31402011							
249	2003.12.21	D		Rain gauge with datalogger, UV res. Plastic aerodynamic design, tipping bucket, 1 Pulse Per 0.2 mm Precip, Surface 507 Cm, height 34cm, Built in data logger (datahog 2)	1	VE	TCL B Block	5_82-2	Rs. 206,916.64	FAR No-484	Installed on roof top of
250	2003.12.29	D		Genie 2000 Interactive Peak fit (Software)	1	MCSS	LLCL	5_-83-1	Rs. 255,143.99 (\$2,318)	FAR no-483	
				Genie-2000 Quality Assurance (Software)	1						
251	2004.3.17	LP	i	UV Lamp (Tiede-Germany)	1	TMRT	G-05	5_83-2	Rs. 188,468	MPT-3 FAR No- 493	
			ii	Power Adaptor	1						
			iii	Spare Bulbs	3						
252	2004.3.25	LP	i	Model 18-207 Mammography Screen Film Contact Test Tool Q 622	1	SSK	QAL	5_83-3	Rs. 31,615	FAR No-494	
			ii	Model 6150-AD-5 "Saphymo" Digital High Dose Rate Meter, S.No. 113510	1			5_83-4	Rs. 241,500	FAR No-495	
			iii	Model 76-414-4150 CT Head and Body Dose Phantom	1			5_83-5	Rs. 2268,032	FAR No-496	
253	2004.06.24	LP		Model 18-220 Accreditation Phantom with accessories (including 2 sets of 2 cm thick Acrylic plates 4 plates)	1	SSK	QAL	5_84-2	Rs 82,134	FAR No-489	
254	2004.8.2	LP		Magnetic York	1	TMRT	G-05	5_84-3	Rs. 230,113	MPT -1 FAR No- 490	
				Model - 7, PT No-43560, 230v 50/60 Hz, 1 PH							
255	2004.8.16	LP		Alumina Crucible type A'		Ruwan	G-10	5_84-4	Rs. 2975.60	FAR No-570	
256	2004.10.28	LP	i	Lead Bricks (size: 4"x4"x2)	60	TMRT	LLCL	5_84-5	Rs. 125,000	FAR No 491	
			ii	Corner Lead Bricks (size: 4"x4"x2")							
			iii	Lead Bricks (size: 4"x4"x2)	162		hot lab	5_84-5	Rs. 337,500	FA No-492	
257	2004.11.3	D		IAEA - 52 Board Training Kit, IAEA - 52 kit	4		NIL	5_85-1	Rs. 127,326	FAR No-560	
258	2004.11.22	D	i	Refrigerator System for electrolytic cells (complete with compressor, freezer box with cover and control panel)	1	VE	TEL	5_85-4	Rs. 3,569,586	FAR No- 487	
			ii	Complete set of glassware							
			iii	20 stainless steel electrolytic cells volume 500 ml each							
			iv	Electrolysis Control unit consisting of Electronic amperohourmeter with shunt power supply, Temperature controller with probe set of connecting cables							
			v	DC Power Supply SM 7020 D S/No. 11460200006	1						
			vi	Amphr Meter AZ 4000 Kubler	1						
			vii	Anode Cells	20						
			viii	Cathode Cells	20						
			ix	teflon Stopper	20						
			x	Cell opening fork	1						
			xi	Stepper removing foot	1						
			xii	heaters -500ml W2-500	13						
			xiii	Heaters -100ml W8-100	13						
			xiv	Power regulator Rm 4	1						
			xv	Precision Pipette/Tips V5000 439080278	1						
259	2004.11.22	D		Current Meter Scale- 1000 µA, 48x45mm # 258-580		RA	NIL	5-86-1	EUR 248		
260	2004.11.22	D	i.	NAI Detector 2"x2" S.No. 7041654	1	PM	NIL	5_87-2	RS. 229,260 (\$ 2192)	FAR No-488	
			ii	Photo Multiplier tube base (14 pin) S.No. 12036436	1						
			iii	Photo multiplier tube base (14 pin) S.No. 6040978	1						
261	2005.1.21	LP		Hanna Meter Portable Water slash/PH/MV/C Model : H1 8314 N with H1 1217 D Amplified PH electrode (No. 283461)	1	VE	TEL	5_88-1	Rs. 31740 (Incl. VAT)	FAR NO-498	
262	2005.1.31	D	i	Electronic Precision Balance, Model LE 4200 S (successor of sartorius model LP 4200 S,)	1	TEL	Hot lab	5_88--2	Rs. 1,202,070.76	FAR No- 510	
			ii	Drying Oven Model ED 240	1			5_88-3			
			iii	Scholler Steel keg. Slim keg, capacity 50 liters, stainless steel 1.4301	2			5_88-4			
263	2005.2.22	D	i	CD Sets	1		LLCL	5_89-1	US \$ 1180		
			ii	Copy Protection Rom	1						
			iii	Documentation Sets							
264	2005.2.24	LP		Conductivity Meter -Lutron Cd 4301	1	TEL		5_89-2	Rs. 23,000	FAR No-505	
265	2005.2.25	LP	i	Oxygen Meter-Lutron DO 5510, S D48103	1	G-17		5_89-3	Rs. 39,500	FAR No-503	
			ii	Sensor S/No. 9309	1	TCL					
266	2005.5.4	D		N-Butyl/Acrylate Emulsifying and Dispensing Unit -(Latex Processing Unit)	1	Hot lab		5_89-4	Rs. 1,298,830	FAR No-497	
267	2005.6.13	D		RAD 60' Personal Alarm Dosimeter S.No. 246111, 246113, 246115, 246112	4	QAL		5_89-5	Rs. 267,083	FAR No506	
268	2005.7.4	LP		Multiport II, Ethemet, 3 input, MP2 SN 09052490 M.N MP2-3E (Multichannel Analyser)	1	LLCL		5_90-2	9250 Rs 1,136,69	FAR No-513	
269	2005.8.25	LP		Fume Hood	1			5_90-3	Rs. 347,489.18	FAR No-507	
270	2005.10.11		i	Cables for Electric Heaters	15	G-8		5_91	60		
			ii	UV Power Adaptor	3	TEL					
271	2005.11.29	LP		Lux Meter Sanwa LX 3131 S.No. 2100233	1	NDT	G-05	5_91-2	Rs. 17,077.50	FAR No 499	
272	2005.12.08	LP		Tester Linear 1C S.No. LMC 2955	1		NIL	5_91-3	Rs. 108,775	FAR No- 501	
273	2005.12.22	LP		DA 400, AC/DC Yoke 230V AC P-T No. 518601 (Magnetic York)	1		G-5	5_91-4	Rs. 112,055.17	MPT-1 FAR No- 509	
274	2005.12.27	LP		Voltage Event recorder with software B/N 493302 VR 101/004, PC. 340528364	1		NIL	5_91-5	Rs. 153,909	FAR No- 502	

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Locati on	Inv. No	Value	Remarks	
										FAR No	Other
275	2006.5.24	D	i	MG 25-20 Magnatometer 20-0-20, 5080 Gauss Meter A005,H010m MC50	1	NDT	G-12	5_92-2	Rs. 562,015.89	FAR No-533	
	2006.5.24	LP	ii	Flaw Mike Portable Ultrasonic Flaw Detector Basic version	1	QAL	QAL	5_93	Rs.1,289,131	FAR No-531	
			i	Remote Handling tong, length 1 m	2						
			ii	Tweezers Jaws	2						
			iii	Dual Grip	2						
			iv	Pincer Action	2						
			v	Remote Handling tong, length 2 m	2						
			vi	Tweezers Jaws	2						
			vii	Dual Grip	2						
			viii	Pincer Action	2						
			ix	Remote Handling tong,length 2 m	1						
			x	Extention Unit, Length 1 m	1						
			xi	Tweezers Jaws	1						
			xii	Dual Grip	1						
xiii	Pincer Action	1									
277	2006.05.24	LP	i	Flow Detector for Hydrology, Qtrace basic system compact data logger with software	1	VE	TCL G-17	5_93-2	Rs. 139,715.16	FAR No-530	
		ii	Conductivity Probe			G-17					
278	2006.8.23	D		Top Opening Lead Shield (12" deep) S.No.11055607	1	MCSS	LLCL	5_93-3	Rs.1371566.41	FAR No-527	
279	2006.8.23	LC NO: SRL/50388868	i	Ext.Range COAX German, Detector	1	MCSS	LLCL	5_93-4	Rs.1757831.00	FAR No-532	
			ii	Digital Spectrum Analyzer	1						
			iii	Genie 2000 basic input (software)	1						
			iv	Genie 2000 Gamma option (software)							
			v	LabsoCs Laboratory efficiency (software)	1						
			vi	Isoc Calibration	1						
284	2006.9.14	D		P/N TLD 0880-0304 type 0110 TLD cards, silver/green	500	AK	PML	5_94-iii	Rs1408740.46 US\$ 12,382		
				P/N 0870600 0016 type 8814 TLD Card Holders, Black/Green	200						
				P/N 800111 maguire 2214 strap clips, long	200						
				P/N 23283 Tld card holder opener	1						
285	2006.9.18	LP		Digital Hand Held MCA Gamma Spectroscopy system and dose rate meter with automatic nuclide identification and neutron detection ,Type 'Target' identifinder -NHA with NA (TI)-Detector High Gamma dose rate GM Detector and He-3 Neutrontdetector S.No. IDENT 3573-27	1	AJ	QAL	5_94-4	Rs. 2,257,533 (Incl. VAT)	FAR No- 525	
286	2006			Mini Drill Stand M-RS 549-088	1						
287	2006			Electric Hair Dryer	1						
288	2006.9.4	LP		40 MHZ DDS Function/Arbitrary Waveform Generator, inclusive of PC connectivity software S.No.248572			NIL	5_94-1	Rs. 318493	FAR No-515	
289	2006.9.25	D		Air Particulate on Filter Media SRM Standar	3	XRF		5_95-2	Rs. 253,343	FAR No-517	
290	2006.9.25	D	i	Check device 90 Sr. Point source	1	SSDL		5_95-3	Rs. 330,275	FAR No-539	
			ii	Iomization Chamber S/No 32003 & Holding device for chambers 32002 32003	1						
291	2006.9.25	D		TLD Cards 52 mx 29.9 mm x 1 mm thick nickel plated aluminium cards on which 3 TLD discs having 13.3 mm	100	PML		5_97-1	Rs. 34,081.20 (\$325)		
292	2006.9.25	LP		3106D HV Transformer	1	NIL		5_97-2	Rs.38,626		
293	2006.10.9	LP		Digital Thermometer with All accessoires Milwaukee M/No.TH 300 S/No.	1			5_97-3	Rs. 4,370	FAR No-527	
294	2006.10.9	LP		ZP 1490 H Geiger Muller Tubes(GM Tube)		NIL		5_97-4	Rs.94,072.	FAR No-524	
295	2006.10.19	LP		Digital Multimeter 38 XR Meterman,S.No.060700717,06070	2	SSDL		5_98-3	Rs.54,050	FAR No-516	
296	2006.11.30	LP		Digital Thermo Hygrometer with accessories Electro Therm M/No. TM 99A, S/No C 318143	1	SSDL		5_98-4	Rs. 24,000	FAR No- 526	
297	2006.12.6	D		Marinelli Beaker 1 L. Lid included 1	100	MCSS	LLCL	5_98-5	Rs.749,240	FAR No- 561	
				040G-Wide-1.3/Mixed solution- Standerds	1						
				1040G-Low -1.3/Mixed Solution Standerds	1						
298	2006.12.14	D	i	MWB 35-4 Miniature Angle Beam Probe, Frequency: 4 MHZ, 35 No.50028	1	TMRT	G-05	5_99-2	Rs. 210,773	UT-14 FAR No-518	
			ii	MWB 45-4 Miniature Angle Beam Probe, Frequency: 4 MHZ, 45 No.50268	1					UT-16	
			iii	MWB 60-4,Miniature Angle Beam Probe Frequency:4MHZ 60 No. 50889	1					UT-13	
			iv	MWB 70-4 Miniature Angle Beam Probe Frequency:4MHZ 70 No.51154, Cables 4	1					UT-10	
299	2006.12.14	D		SI (Li) Detector S.No.6061145	1	XRF		5_99-3	Rs. 1,122,909.50	FAR No-519	
300	2006.12.28	LP	i	Gem MicroscopeSN: 112061101,103061106		RPL	G-9	5_99/100	Rs.1,934,300	FAR No-523	
			ii	01 No. E 330 Digital SLR camera incl 14-45 mm olympus order code : OYE-330 KIT							
			iii	01 No. Digital camera adaptor set order no. ZE T-DCA E-330 S.							
			iv	01 No. digital adaptor olympus E330/c.mount order code DCA E-330 CMT							
			v	01 No. C-Mount Videio adaptor 1.0x2/3" zeiss Order code: ZE VI IX S.No. 12061101, 103061106							
301	2006.12.29	LP	i	Electro Magnetic Crack Detector with all acce.	1	TMRT		5_-100-1	Rs.5759,992 FAR No-528	G-5	
			ii	Mag Unit 230VAC S/No 305 with certs. (1 EA)	G-5						
			iii	Prods,Individual Set (1 set)							
			iv	Cable Assy 20' remote control (1EA)	G-5						
			v	Cable 4/0 w/lug and eithemed (1set)	G-5						
			vi	Notch Defect Test Bar (S/N 5945 with certs (1 EA)							
			i	Survey Meter with all accessories	1						
			ii	Control Leaflet							
			iii	6150 AD6 digital doserate meter,S.No.120317							

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Locati on	Inv. No	Value	Remarks																																				
										FAR No	Other																																			
302	2006.12.29	LP	iv	Users manual ref.29288712/A		SSK	QAL	5_100-2	Rs.3,503,149.05	FAR No-529																																				
			v	6150AD17 Contamination probe S.NO.113963																																										
			vi	6150 AD-19 beta gamma liq. Sample probe s.No.112477																																										
			vii	Users manual ref.29291084/A																																										
			viii	Set of 9v batteries for the doserate meter 6150 AD6																																										
			ix	Transport satchel for the doserate meter 6150 AD6																																										
			x	1.25m long cable																																										
			xi	10m long cable																																										
			xii	Transport case(type 6605-E)for 6150 AD-K																																										
			xiii	6150 AD-K contamination probe,S.No 123443																																										
			xiv	Control Leaflet																																										
			xv	Users manual ref.29291084/A																																										
			xvi	Handle extention (80cm long) for 6150AD																																										
			xvii	1.25 m long cable for the handle extention																																										
			xviii	6150 AD-T portable teletector S.No.123243																																										
303	2006.12.29	D		Marinelli Beaker for Ge detectors 3" diam (76 mm diam.and cap) 1L (becher type 530g) and 500 ml (becher type 130G) each size 100 beaker	1	TNA	LLCL	5_101-1	Rs244,813.25																																					
			i	Model 9611 Contrast Current DC Power Supply , Max SAC 17V, digital LCD display, with 400 tlets, 220vac								MCSS	HLCL	5_101-2	Rs. 289,449.50																															
			ii	Standard 4 cell electrodeposition set (Teflon cell body 10 ml useful sample volume) to be used with 19.5 mm cathode plating disks (15m effective deposition diameter)	1																																									
			iii	Includes four standard anode systems (stainless steel and teflon) with replacement capability of the platinum wire electrode; on 4 cell acrylic plastic sand; 4.2 electric cables for connecting the electrodeposition set to the power supply unit	1																																									
			iv	Platinum wire electrodes 0.8 mm for item Rs.200 setof 4	1																																									
			v	Pack of 100 stainless steel plating cathode disks, 19.5 mm (15mm effective deposition diameter) one face with mirror finish, to be used with item ref.200																																										
				1225089 Oscilloscope, 100 mHz, 4 CHN/4 TDS 2014 Digital Oscilloscope S.No.C20285	1																					CK	NIL	5_102-2	Rs. 333,960	FAR No- 535																
				DC Power supply Quad mode dual 66725 TTI S.NO.262063	1																											PM	NIL	5_102-1	Rs.120,757	FAR No-536										
				90 C Portable Conductivity silitynimeter with 10 sensor and 100 m cable	1																																	VE	G-17	5_102-6	Rs. 294,781.41					
				Rs.232 serial interfece cable for 90FL meters	1																																									
				software for microsoft windows	1																																									
			308	2007.4.4	LP																																		Digital Personal Dosemeter for Nutrons-Model: PDM 313 (Aloka - Japan)	2	SK	QAL	5_103-3	Rs. 374,900	FAR No-538	
			309	2007.4.4	LP																																		Digital Personal Dosemeter for Low Energy X-ray Model : PDM 117	5	SK	QAL	5_103-4	Rs. 356,500	FAR No-537	
			310	2007.4.17	LP																																		Portable Ion Chamber Survey Meter for scatter Radiation measurments Moel: 451P-DE-SI-RYR , S.No.1581, 1566	2	SK	QAL	5_104	Rs. 693,017.16	FAR No-539	
			311	2007.4.5	D																																	i	Radiation Monitor Model AT 1117 M S.No.12033/12014	1	SK	QAL	5_104-1	Rs. 1,451,978	FAR No-541A	
ii	Contamination Survey Meter radiation monitor model AT 1117 with external Alpha Probe BDPA-01 and external beta probe-BDPB-01 S.No.12044	1																																												
iii	Personal Alarming dose meter-alarming electronic personal dosemeter model AT 3509B with computer interface , S.NO.3768	1																																												
iv	Emergency Kit consisting of: 1 telescopic probe model BDKG-01 capable of attachment to AT 1117M: wide range alarming gamma dose meter for personal radiation protection model AT 6130D with computer interface package and software	1																																												
312	2007.4.26	LP		Portable Iron Chamber Survey Meter for low energy radiation measurements (band-Victoreen) Model:451 B-DE-SI.RYR,S.No.719		RP	QAL	5_105-1	Rs. 342,018.99	FAR NO- 540																																				
313	2007.4.18	LP		Electrical Furnace, Model:HD 230 PAD		VAW	B Block	5_104-3	Rs. 335,969.84	FAR NO- 539A																																				
314	2007.7.30	LP		Portable Air Sampler 12/24 Model HB 10 DC		MCSS	LLCL	5_105-3	Rs. 585,097	FAR No-551																																				
315	2007.7.31	LP	i	Portable UV Light Spot Focussed	1		G-05	5_106-1	Rs.268,724.99	FAR No-550 MPT-3																																				
			ii	Transformer for Normal Operation	1																																									
			iii	Power Adaptor	1																																									
			iv	Lamp Holder 610 W/Strw	1																																									
			v	UV Spare Filter Glass	1																																									
			vi	UV Spare Bulbs	3																																									
316	2007.8.14	LP	i	Volumetric Flask, graduated one 1 lit	2	Ruwan	RPL	5_106	Rs. 8119																																					
			ii	Volumetric Flask, graduated one 500 ml	5																																									
			iii	Volumetric Flask,Graduated one 250 ml	5																																									
			iv	Volumetric Flask graduated one 100 ml	5																																									
			v	Glass Rods, outside Dia. 5 mm	1																																									

Scientific Equipment Invenor

Scientific Equipment Inventory											
No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
317	2007.8.31	D		Mixed Nuclides Alpha Spectrometry Source (1 KBQ each Am-241, CM244 Pu-239,Activity tolerance +/-30% , Total Alpha Emission rate calibrated, Activity uncalibrated Alpha Spectrum Supplied, Source diameter 25mm 0.5 mm Active dianter 7 mm, VZ-1679)	1		HLCL	5_106-3	Rs. 381,401.50		
318	2007.9.5	LP	i	Sephymo Teledetector- S/No123147		SK	QAL	5_107-1	Rs.1,153,732.38	FAR No- 546	
			ii	Teletector 6112 M							
			iii	Transport Case							
			iv	Earphones							
			v	3m long cable							
			vi	Software wincom-m for the Teleror 6112 m							
319	2007.9.5	LP		Separating Funnel-250ml Conical Shape German	2	Ruwan	RPL	5_107-1-2	Rs. 7980		
				Separating Funnel-500ml , Conical shape-German	1						
				Crucible Tongs, Straing, Flat Hinge mild steel, length 200 m	2						
320	2007.9.19	LP		Borette Straight stopcock, 500 ml	3	KRDe S	RPL	5_107-3	Rs.2018.25		
321	2007.11.26	LP		Buchner Funnel Flask Suction Pump		Ruwan	RPL	5_108-	Rs. 110220		
			i	Buchner Filter Funnel. Suction Filter Funnel (8527005) DIN 12905	3						
			ii	Buchner Filtration Flask 1000 ml with plastic hose Connection and tubalature (5070210)	3						
			iii	Suction Pump Deverse Low Pressuer water jet pump	3						
			iv	Guco-Rubber Gasket,connical O.D. Top 53 mm ID botton33 mm, Ht 34 mm (2356050)	3						
			v	Rubber tubing, ID 9 mm wall thickness 2 mm 2 meter for each set	6mtr.						
322	2007.11.26	LP		Fishes Tongs,Straight for Flasts security tongs for bottles from 100 to 2000 ml 18/8 stainless steel (cat no.8362000)		RPL		5_108	Rs. 3440		
323	2007.11.26	LP	i	Chromatography Columns Bovosilicate Glass ST-Socket 24/29, Cone ST 19/26, with sintered disc.Pc. ID 18 mm effective length 400 mm(CR32/40)	4	Ruwan	RPL	5_109	Rs.51,800		
			ii	Diverse Tamping rod Approx. Length 530 mm for use with column Cr 32/40	4						
			iii	Chromatography Stopcock adapter with bovesit-glass socket ST 19/26, Cone: ST 24/29 Approx. Overall height 190 mm, fitted with economy needle valve stopcock bare 6 mm for fine control of elevent flow (CR 3 T/23)	4						
324	2007.11.30	LP		Heidolph LABOROTA 4000 Eco Rotary Evaporator S.No. main unit: 080714469, Bath 090717188		SSK	G-10	5_109-2	Rs. 557,875	FAR No-545	
325	2007.12.6	LP		Oscilloscope acc.AC/DC Current Clamp Fluke M-i30s S.No.94670129	1		NIL	5_110-1	Rs. 99,718	FAR No-547	
326	2007.12.28	LP	i	Sartorios Stainless Steel Filter Holder with 100 ml funnel with lid			SPL	5_113-2	Rs. 154,744	FAR No- 549	
			ii	16606 Glass Suction Flask 1 Ltr.							
			iii	16694-2-50-06 Mini vaccum Pump, S.No.02732730							
			iv	17004 Silicone Bored Stopper							
			v	16623 Rubber vaccum Hose of 1 m							
327	2007.12.28	D	i	TLD Card-210002 Type OCIAIA CC-00151500-A Silver / Green	300		PML	5_114	Rs.1,424,839.50		
			ii	0870600-0015 type 8814 TLD card holders black/blue	150						
			iii	800111 strap clips long	150						
			iv	3283 TLD card holder Opener	1						
328	2007.12.28	D		Ram Ion Digilog (usv/u) S.No.2207-121	1		XRF	5_114-2	Rs.193,059	FRA No- 542	
329	2007.12.31	LP		Selecta/conecta/AC-L4 water Distillation Unit complete with connecting Hoses/Clips and wall mounting brackets, S.No.842307040557	1	VE	TEL	5_114-4	Rs. 179,124	FRA No-548	
330	2007.12.31	LP		ZP 1324 Geiger Muller Tube Certificate of conformity geigers carriage and packing	6		NIL	5_115-4	Rs. 113,171.	FRA No-553	
331	2007.12.31	D	i	Sand Bath with Heater Model ST 72	1	VAW	SPL	5_115-2	Rs. 364,344	FRA No-544	
			ii	Quartz-Ir-Heater with Reflector Bowl Model QF 150 with holding device	1						
332	2007.12.31	D		Nim Random Pulse Generator BNC , M-DB-2 S.No.29522	1		NIL	5_115-3	Rs. 793,164	FRA No-543	
333	2007.12.31	D	i	Micropipette Accra 825 100-1000 ul	1	VAW	XRF	5-116	Rs. 131,078		
			ii	Pipettor Calibra 832 digital 1-10ml	1						
			iii	Pipette tips 1-1000 ul Pk/1000	3						
			iv	Tips of pipettors 10 ml pk/300	2						
			v	Mixer vortexer stuart SA7	1						
334	2008.1.16	LP	i	Soxhlet Extractor sets		Ruwan	RPL	5_116	Rs. 171,750		
			ii	Extraction apparatus 2230500 ST/6D/46	1						
			iii	Extraction thimbles 8205010 (pack-25 pcs)	1						
			iv	Extraction apparatus 2230 002 - 200ml ST 100 - 45/40	1						
			v	Diverse Pack extraction thimbles	1						
335	2008.1.30	LP	i	Wire Gauge Galvanized 120x120mm Ceramic Heat control	3	Ruwan	RPL	5_116	Rs.20,575		
			ii	Quick fit condensor conder lebig 400 mm	3						
			iii	Condensors coild 400mm	3						
336	2008.1.30	LP	i	Quick Fit Round Bottom Flasks 250 ml	5	Ruwan	RPL	5_117	Rs.4,320		
			ii	Quick Fit Round Bottom Flasks 500 ml	5						
			iii	Quick Fit Round Bottom Flasks 1000 ml	5						
337	2008.2.11	D	i	Air Sampler LV-IE Filter	1		QAL	5_117-2	Rs. 215,189	FAR No-554	
			ii	Filter Holder	1						
			iii	Filter Paper	5						
			iv	Quick Disconnect	1						
338	2008.2.26	LP	i	Radiation Meter (2026c)	1	QAL	QAL	5_119-1	Rs.2,792,875		
			ii	Radiation Protection Chamber(20x6 - 1800)	1						
			iii	Theraphy QA Chamber (21x6-0.6)	1						

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
			iv	High Dose Rate Chamber (22x6 - 0.18)	1						
339	2008.2.27	LP		Single Channel Analyzer (ORTEC) Model 550A S.No.07344475	1	PM	NIL	5_119-2	Rs. 209,737	FAR No- 588	
340	2008.3.5	LP		Water Proof Iron Chamber and electrometer with accessories	1	QAL		5_119-3	Rs.4,141,407	FAR No- 591	
341	2008.3.5	LP	i	Dual Counter Timmer modul (ORTEC) (996) SN.08018797	1	PM	NIL	5_119-4	Rs. 619,977	FAR No- 592	
			ii	Rs.232 interface (99x-1.994.995-999) One Set	1						
			iii	RS232C-NULI Modum cable F/F 3 m C-75 cable	1						
342	2008.3.11			Power Pack 510524 (Germany)	1			5_119-5	Rs. 2,569.43	FAR No- 590	
343	2008.3.31	D		Gross Alpha Beta PIPS Detector Modle 1200-25-300 AM	1	HLCL	HLCL	5_120-1	Rs. 376,658	FAR D-No-1	
344	2008.4.10		i	Wash Bottles - 500 ml	2	G-8		5_120	Rs.1,606.74		
			ii	Wash Bottles -1000 ml	2	G-8					
345	2008.4.30	LP	i	Mobile Xray Machine with dose Meter (DAP) Model compact - 100-30) Type VACU-2000 , S.No.0800583	1	SK	QAL	5_120-5	Rs. 2,064,250	FAR No- 593	
			ii	18x24 cm2 cassettes	1						
			iii	24x30 cm2 cassettes	2						SK
346	2008.4.30	LP		Glass Desicator Setup with stopcock,Excellent flat flange 300 mm	1	Ruwan	G-10	5_120	Rs.39,778.50		
347	2008.4.30	LP		Bunsen Burner , Poligas suitable for all gas tubes with screw cup		Ruwan	G-10	5_120-4			
348	2008.4.30	D		Nim Bin Power Supply S,NO.8064642, Model 4002 D	1		NIL	5_121-1	Rs. 412,694	FAR D-No-2	
350	2008.5.30	LP	i	Lab Stand	3	Ruwan	G-10	5_121	Rs. 14,407.92		
			ii	Boss Head 10 mm	4						
			iii	Boss Head - SWIVEL 17 mm	4						
			iv	Clamp flour finger 50 mm	4						
			v	Clamp Double Adjustable 50 mm	4						
351	2008.6.30	LP		Top Loding weighing balance	1			5_121-5	Rs. 43,895	FAR No- 587	
352	2008.8.29	D		Vacuum Disiccator PP/PC	1				Rs. 18,747.59		
353	2008.8.29	D	i	Lamina Flow Cabinet 230V		VAW	XRF	5_122	Rs. 657821.76	FAR D-No-3	
			ii	Microwave Oven siemens,	1						
			iii	APC Smart ups 1000 VA/670w	1						
			iv	Interface Port dB-9 Rs.232, smartsof USB	1						
			v	Ultraschall kompaktgerate sonorex super	1						
			vi	Ultrasonic compact bath							
			vii	Mortars with pestle made of agate,flowless polished inner surface 25 ml	1						
			viii	Mortars with pestle made of agate, flowless, polished inner surface 50 ml	1						
			ix	Heating and magnatic stirrers RH basic 2 &RH basic kT/C m	1						
			x	Infared Lamp IR 11compressed glass	1						
			xi	Spare Lamp for IR 11	1						
354	2008.9.29	LP	i	Digital caliper 30 mm/12	1	TMRT			Rs.34,091	FAR No-581	
			ii	Screw Pitch Gauge , 801	1			Rs.5,445	FAR No-582		
			iii	Thermometer Digital Dual Print	1		5_125-4	Rs.71,213	FAR No-583		
			iv	Multimeter Digital Clamp 1000 A	1			Rs.22,044	FAR No-584		
			v	DIAL test Indicator	1			Rs.67,387	FAR No-585		
355	2008.9.30	LP	i	HI-LO Welding Guage	1	TMRT		5_125-3	Rs.100,350	FAR No-586	
	ii	Weld Guage	1								
356	2008.10.20	LP		672.Spectroscopy Amplifier width Nim 2 S.No.08225371	1	PM	NIL	5_126-1	Rs. 654,714	FAR No-595	
357	2008.10.29	LP		Cables of discarded MT prod machine 4/0 Cable set with either ends suitable for DA 1500 unit	3		NDT-1	5_126-2	467,475	FAR No-594	
358	2008.10.31	D	i	Vac Chamber incl. Vac feed throughs vac connections	1	VAW	XRF	5_126-3	Rs 1,565,221	FAR- D-No-4	
			ii	Sample holder,wheel for 2ry target vacuum chamber	1						
			iii	Sectgr holder plus 4 target holders and targets	1						
			iv	Stepper Motor Plus sample holder for 10 samples	1						
			v	Controller	1						
			vi	Vacuum Pump membrance type oil free	1						
			vii	vacuum hoses monometer valve	1						
			viii	Pure materials for cladding	1						
357	2008.11.5	LP		Analytical Balance (Micro Balance Sn. 1129342542)	1	SSK	G-9	5_126-4	Rs.379,500	FAR No-596	
358	2008.12.9	D	i	Vacuum chamber incl. TXRF adjustment unit	1	VAW	XRF	5_127-1	Rs.14,096,087	FAR- D-No-5	
			ii	Sample Changer, Italstructures(IS)	1						
			iii	MCA Incl. software for Sample Changer	1						
			iv	Seifert Tube amount,Plate,Vac componant	1						
			v	Multilayer mounting system CCD Camara	1						
			vi	Multilayer Adjustment unit	1						
			vii	Director SDD (KETEK) S/No 00221	1						
			viii	TXRF Chamber adaption to seifert generator	1						
			ix	Detector unit to Seifert tube	1						
359	2008.12.17	LP	i	Diameterx1.0 MHz Longitudinal Transducer top mounted mult	2	TMRT	NDT	5_128-1	Rs. 795,800	FAR No-599	
			ii	3116" diameter x 5.0 MHz dual T/R	2						

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
360	2008.12.17	D		Analytical Evacuatable Pellets die set for XRF diameter 25 mm diameter P/N 0012-6653	2				Rs. 291,060.60	FAR D- No-6	
361	2008.12.18	D		Tungsten Carbide Pellets 25 mm/P/N 00126655 set of 2	1		SPR	5_128-2	Rs.63,088.42		
362			i	Drying cabinet 20							
			ii	Lab stop timer							
363	2008.12.29	LP	i	GE Model Phasec 2D Eddy Current tester with following access	1	TMRT	G-05	5_129	Rs. 2,484,000	FAR No-598	
			ii	Phasec 2 portable dual frequency eddy current instrument complete with calibration certificate No.21536 S.NO.560252/05							
			iii	Printed Operating Manual 2d English							
			iv	Battery charger.eliminator requiresS.NO.420304/640							
			v	Power Cord appropriodion to Sri Lankan Power supply S.NO.126707							
			vi	Lead Rs.232for phasec 2s 7 way S.No.40A024							
			vii	Soft padded carrying case S.No.40A142							
			viii	T-10 Desk top compation printer unit S.No. KKG012826							
364	2009.1.29	LP		External Shield for 20 MBQ Source	1			5_130-1	Rs. 27,726		
365	2009.3.9	D	i	Self Contained Flaker - Item No. 32663-AF 80 AS (Scotsman Ice System DD663608W)	1	SSK	G-10	6_1-1	Euro 1469	Rs.2,478,708 FAR-D-No- 7	
			ii	Ultra Pure water system micro pure w.integrated feed water storage tank 6 Ltrs. Item No.32999-08 1202-ST S.no.638/1/08	1				Euro 1925		
			iii	Filter set for micro & micropure Item No. 32999-09 1006	1				Euro 330		
			iv	Ver3150-1R38ELVC vertical laboratory sterilizer - 33044-VFR 3150-1 R 38EL (Autocave)	1				Euro 6228		
			v	Printer, DPU - 30, Seiko	1				Euro 385		
			vi	Compressor Air silent,23 OV/50 Hz, 1HP with automatic drain, airbag, fiac	1				Euro 1155		
			vii	F.Zero value Item 33044-ADD22270047	1				Euro 330		
			viii	Stainless steel container with vent holes	1				Euro 473		
			ix	Stainless stll wire baskets	1				Euro 143		
366	2009.3.11	LP		Portable Neutron Survey Meter, S.No.107706, Model m99	1	KS	QAL	6_2-2	Rs. 2,475,200	FAR No- 606	
367	2009.3.17	LP		Pressure Pump, Model m99, Make. Saer	1	VAW	XRF	6_2-4	Rs.42,560	FARNo- 607	
368	2009.4.2	D		Diaphragm Pumps type MD1 with vacuum tubing 6.0 mm tubing clamp, triyway vacuum valve	1	VAW	XRF	6_2-5	Rs.222,253	FAR-D-No- 8	
No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
369	2009.4.20	D		X-ray Tube SN.180257	1	VAW	XRF	6_3-1	Rs.792,824	FAR-D-No- 9	
370	2009.6.16	D		Sample Holder Wheel Alu 4 seats	1	VAW	XRF	6_3	Rs. 68,858.77	FAR-D-No-10	
				Teflon Washing Unit	1						
371	2009.7.13	LP		Stop Watch - Casio	1	DCK	G-10	6_3	Rs. 3480	FAR No- 609	
372	2009.7.15	LP		2.8v Battery Charger (Energizer)	1	SSDL	AEA	6_3	Rs. 3500	FAR No- 610	
373	2009	LP		TLD Display Board - AEA/B-2/K/4	1	EPM	AEA				
374	2009	LP		Scientific Instrument Board	1	EPM	AEA				
375	2009.7.20	LP		Nal Scintillation Detector 3x3 in crystal 3 in PMT (with preamplifier & Cable) Model C-24-12, C-36-12, C-25-12 SN.60009-00561-1	1	MCSS	LLCL	6_4	Rs. 539,105.28	FAR No- 608	
376	09.02.10			Laboratory Stand	4	VAW	SPR	6-5-4.	9,000		
377	26.02.10		i	Programable Logic Control	1	PM	NIL	6-5-5.	90,332		
			ii	Acc. } Mutimaster cable	1	PM	NIL		25,872		
378	26.04.10			External Drive DVD Writer	1	PM	NIL	6-6-1.	8,000		
379	31.05.10	D		Medical Gas- Vacuum Sealer & Compressor	1	SSK	RP	6-6-2.	3785167.81		
380	31.05.10	D		Firmness Tester	1	SSK	MGIF	6-6-3.	1054326.5		
381	31.05.10	D		Laminar air Flow	1	SSK	MGIF	6-6-4.	1061852.76		
382	31.05.10	D		Laboratory Microscope with Accessories	1	SSK	MGIF	6-6-5.	318502.81		
383	31.05.10	D		Incubator ICP	2	SSK	MGIF	6-6-6.	2385783.27		
384	31.05.10	D		Water Activity Meter	1	SSK	MGIF	6-6-7.	1255997.47		
385	31.05.10	D		Moisture Balance with Accessories	1	SSK	MGIF	6-6-8.	542634.69		
386	31.05.10	D		Laboratory PH Meter with Accessories	1	SSK	MGIF	6-6-9.	218973.83		
387	31.05.10	D		Analytical Balance	1	SSK	MGIF	6-6-10.	393880.54		
388	31.05.10	D		Top Loading Balance	1	SSK	MGIF	6-6-11.	54959.98		
389	31.05.10	D		Oven for Microbiological Laboratory	1	SSK	MGIF	6-7-1.	344821.27		
390	31.05.10	D		Distillation unit	1	SSK	MGIF	6-7-2.	513165.56		
391	31.05.10	D		water Bath	3	SSK	MGIF	6-7-3.	376690.37		
392	31.05.10	D		Hand held Refractometer	1	SSK	MGIF	6-7-4.	20994.47		
393	31.05.10	D		Refractometer Modle	1	SSK	MGIF		77799.94		
No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
394	03.06.10			Liquid penetrent testing Specimens	10	JNE	DT- G-	6-7-5.	92500		
395	03.06.10			Magnetic Partical tedting Specimens	10	JNE	DT - G-	6-7-6.	126000		
396	30.06.10			Image Quality Indicator	set 01	MAKJ	DT-G-1	6-7-7.	81930		
397	30.06.10			Image Quality Indicator	set 02	MAKJ	DT - G-	6-8-1.	81930		
398	30.06.10	D		Gamma Reference Soutces Set	1	AJ	QAL	6-8-2.	803530.43		
399	30.06.10			Ultrasonic Flaw Detector	1	MAKJ	DT -G-	6-8-3.	631000		
400	30.06.10			Ultrasonic Flaw Detector	1	MAKJ	DT -G-	6-9-1.	631000		
401	30.06.10			Ultrasonic Thickness Gage	2	MAKJ	DT -G-	6-9-2.	774720		
402	30.06.10			Microdot Transducer Cable (Probe Cable)	2	MAKJ	DT -G-	6-9-3.	49780		
403	30.07.10			Leser Beam (Red Dur) with DC Power Supply for Alignment Purpose	1	ASRA	SSDL	6-9-4.	99542.52		
404	30.07.10			Spot Fecused UV Lamp	1	JNE	NDT	6-10-1.	524400		
	30.07.10			Extra Bulb	2	JNE					
	30.07.10			Extra Filter	2	JNE					
	30.07.10			Extra Baruty (Bp-12 A) 12v	2	JNE					
405	30.07.10			Magnetic AC/DC Inspection Yoke with Carring Case	2	JNE	DT- G-	6-10-2.	305920		
406	23.08.10			Laboratory Support Stand	2	ASRA	SSDL	6-10-3.	22500		
407	30.08.10			Universal Battery Chagers	1	JNE	DT- G-	6-10-5.	1450		
408	14.09.10			Quality Contril Beam Clicker		KS	QAL	6-10-6.	312281.18		
409	17.09.10			Fluke Victoreen Non- Investive X-Ray Test Device	1	THSS	QAL	6-11-1.	1887179		

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No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
410	17.09.10			External Power Supply Unit Computable to the Victorem 4000m	1	THSS	QAL	6-11-2.	60063.83		
411	08.10.10	D		Cryogen IC Container GT 26	1	AJ	QAL	6-11-3.	245999.5		
412	27.10.10			Dehumidifier	1	V.A. Waduge	XRF Lab	6-11-4	84166.66		
413	23.11.10			Electronic Balance	1	T.N. Attanayake	LLC Lab	6-11-5	51212.00		
414	10.12.10	D		UV-VIS-NIR Spectrophotometer & Accessories	1	K.R.C. De Silva	Radiation Processing Lab	6-11-6	8109602.50		
415	10.12.10	D		Liquid Water Isotope Analyzer	1	Viraj Edirisinghe	G-7	6-11-7	5309498.90		
416	10.12.11	D		Autoinjector	1	Viraj Edirisinghe	G-7	6-11-8	2238376.10		
417	31.12.10	D		Thickness Gauge Type Solartron LE/12/S 240 V	1	S S Kulathunga	Radiation Processing Lab	6-12-1	557639.85		
418	13.01.11			Stainless Steel Container 20" x 30" with Net and Lid	1	S S Kulathunga	Radiation Processing Lab	6-12-2	125075.00		
419	13.01.11			Stainless Steel Container 16" x 24" with Net and Lid	1	S S Kulathunga	Radiation Processing Lab	6-12-3	80900.00		
420	13.01.11			Stainless Steel Spoon	2	S S Kulathunga	Radiation Processing Lab	6-12-4	5000.00		
421	23.02.11			Stainless Steel Container	1	Lakmali	Sample	6-12-5	27500		
CANCEL											
422	23.02.11			Stainless Steel Box (Developing Tanks)	2	Viraj Edirisinghe	Dark Room	6-12-6	29473.92		
423	03.03.11			C-30 Stand for Gas Cooker	1	S S Kulathunga	Radiation Processing Lab	6-12-8	1100.00		
424	03.03.11			C-40 Stand for Gas Cooker	1	S S Kulathunga	Radiation Processing Lab	6-12-9	1300.00		
425	23.04.11			One Way Battery Charger (Innery Brand)	1	A. Jayalath	Radiation Processing Lab	6-13-1	4500.00		
426	31.05.11	D		Spectrophotometer	1	S S Kulathunga	Radiation Processing Lab	6-13-2	5610150.00		
427	31.05.11	D		Viscosystem AVS 470	1	S S Kulathunga	Radiation Processing Lab	6-13-3	1238396.70		
428	31.05.11	D		Ubbelohde Viscosystem (52700ASTM, 52701ASTM, 52710ASTM, 52720ASTM, 52730ASTM, 52740ASTM, 52743ASTM, 52703ASTM, 50110KPAI)	1	S S Kulathunga	Radiation Processing Lab	6-13-4	344281.82		
429	31.05.11	D		Ostwald Viscosystem	1	S S Kulathunga	Radiation Processing Lab	6-13-5	13955.15		
430	31.05.11	D		Capillary Viscosystem OA	1	S S Kulathunga	Radiation Processing Lab	6-13-6	38253.54		
431	31.05.11	D		Capillary Viscosystem IC	1	S S Kulathunga	Radiation Processing Lab	6-13-7	38253.54		
No	Date	LP/D	Sub No.	Item name	Qty	Issued To	Location	Inv. No	Value	Remarks	
										FAR No.	Other
432	11.10.26			Saffive Regulator S/N. 1281218	1	A. Ratnayake	TLD Lab	Sc-Ast-6	24218.88		
				Saffive Nipple	1			Sc-Ast-6	351.63		
				Saffive Nut Conpling	1			Sc-Ast-6	357.79		
433	11.12.05			Dark Room Safe Lamp	1	J N Edirisinghe	NDT Lab	Sc-Ast-6	155170.40		
434	11.12.07			TLD Reader Model Harshaw 6600 Plus DXT-RDA with Internal Irradiator	1	A. Ratnayake	TLD Lab	Sc-Ast-6	17826907.00		
435	11.12.07			PC System Monitor - Serial No. : 11019C0800381 Model No.: iiyamaproLiteE1706S Mouse - Serial No. : U009HGOQ85 Model No.: Logitech RX 250 Key Board - Serial No. : G0022528 Model No.: Cherry RS6000M CPU - Serial No. : 10/10-083686 Model No.: Intel Pentium Printer - Serial No. : CNC0P41456 Model No.: HP Lazerjet P2035	1	A. Ratnayake	TLD Lab	Sc-Ast-6	545243.50		
436	27.12.11			3 Way Water Tap	2	K.R.C De Silva	Radiation Processing Lab	Sc-Ast-6	25088.00		
437	27.12.11			Shape Refrigerator Model - SJFTORSL - 4 Doors Serial No. - 8110801317	1	V.A. Waduge	Alpha Beta Counting Lab	Sc-Ast-6	279990.00		
438	11.12.28			Digital Radiation Survey Meter (RDS-31S Multi Purpose Meter) Make - Rados Model No. - RDS 31	1	Gayan Perera	NDT Lab	Sc-Ast-6	270368.00		

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
				Country of Origin – France Serial No. – 2100599							
439	11.12.29			UV LED AC/DC Inspection Lamp with Accessories – AC Power Code – Battery Pack – Carrying Case – Battery Charger	1	J.N. Edirisinghe G-5	NDT Lab	Sc-Ast-6	351948.80		
440	12.01.12			Film Viewer – Portable Industrial LED Film – Viewer with Four Switch and carrying Bag – Viewing Area 80 x 220 mm Make – Wen 2 hou. Lucheng NDT Serial No. – 802621 Model No. – FV 2008	1	J.N. Edirisinghe G-12	NDT Lab	Sc-Ast-6	305984.00		
441	12.01.13			Boss Head	24	Lakmali	Sample Preparation Lab	Sc-Ast-6	7608.00		
				Clamp	24	– do –	– do –	Sc-Ast-6	8544.00		
442	12.01.12			Iron Frame 5' x 4' for Sample Preparation Glas apparatus (C-14)	1	V.A. Waduge	Sample Preparation Lab	Sc-Ast-6	3850.00		
443	12.01.13			Beaker Holders for C-14 Appratus	1	V.A. Waduge	Sample Preparation Lab	Sc-Ast-6	3700.00		
444	12.01.24			Vacuum Gauge	1	V.A. Waduge	Sample Preparation Lab	Sc-Ast-6	3750.00		
445	12.02.11			Ultra Pure Water Purification System Serial No. – 41314742 Model No. – Smart 2 Pure UV	1	V.A. Waduge	Sample Preparation Lab	Sc-Ast-6	655200.00		
446	12.01.20			C-14, Sample Preparation Glass Vacuum Line	1	V.A. Waduge	XRF Lab	Sc-Ast-6	63000.00		
447	12.03.06			For Ceps 1.5 Feet	2	T.N. Attanayake	LLC Lab	Sc-Ast-6	4400		
				For Ceps 1 Feet	1	T.N. Attanayake	LLC Lab	Sc-Ast-6	1400.00		
448	12.03.22			Portable Digital Thermo Hygrometer Serial No. – 11032199 (One year Warranty)	1	R. Abeysinghe	SSDL Lab	Sc-Ast-6	15510.00		
449	12.03.26			Accessories for PHASEC2D Eddy Current Instrument Model – GE, Make – GE Inspection Technologies USA i) 90° Tip - Delrin Handle - 500 KHz ii) 45° Crank - Delrin Handle - 500 KHz iii) 15° Crank - 90° Tip Delrin Handle - 500 KHz iv) Dynamic Rotating - Probe - 200 KHz v) Metal Sorting Absolute - 200 KHz (809P1) vi) Sliding Probe 400Hz-50KHz (581P001) vii) Drive Unit 33A 106 and 33A 100 viii) Changer (39A023) ix) Conductivity Reference Block (47A012) x) Conductivity Reference Block (47A015) xi) Conductivity Reference Block (47A019) xii) Conductivity Reference Block (47A022) xiii) Reference Block Dual Reference (47A010)	1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit 1 Unit	G-12 J.N. Edirisinghe	NDT Lab	Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6	75000.00 70000.00 75000.00 72000.00 145000.00 130000.00 75000.00 35000.00 65000.00 65000.00 65000.00 65000.00 65000.00		
450	12.03.27			Multi Channel Eddy Current System Serial No. – 0252F2 Model No. – Apollo (MRX/IMTX)	1 Unit	J.N. Edirisinghe G-12	NDT Lab	Sc-Ast-6	7339000.00		
451	12.03.28			Digital Film Densitometer Model No. – 210 E Denay Serial No. – 3103363	1 Unit	Gayan Perera G-12	NDT Lab	Sc-Ast-6	599200.00		
452	12.03.29			Industrial Film Digitizer 2905HD Laser Film Digitizer (High Density Consist of) Serial No. – 2116374 Model No. – 2905HD * Dell i5 computer – 01 Monitor, Key Board & Mouse (My – OTK54F-Mi101-CN-000) * Power Cable – 01 * Veiving Softwayer	1	Gayan Perera G-12	NDT Lab	Sc-Ast-6	9415616.00		
453	12.04.20	D		Stainless Steel Laboratory Standard Container with Dispensing System, 25 Liters	1	V. Edirisinghe	Isotope	Sc-Ast-6	574689.00		
454	12.06.26			Lead Screen 0,125mm	25 Pairs	Gayan Perera G-12	NDT Lab	Sc-Ast-6	42000.00		
455	12.06.27			Metal Cover For Air Sampler	1	Lakmali	7/023 P	Sc-Ast-6	5250.00		
456	12.08.08			Burette Clamp	2	Thilakarathne	otope Lab	Sc-Ast-6	3360.00		
457	12.08.15			Iron Concrete Block	1	Prabath	otope Lab	Sc-Ast-6	11000.00		
458	12.08.16			Iron Frame Colum Test	1	Prabath	otope Lab	Sc-Ast-6	15000.00		
459	12.08.22			Laborotry Stand with Support Rod	2	Thilakarathne	otope Lab	Sc-Ast-6	9811.20		
460	12.08.24			Global Position Sensor (GPS)	1	P D Mahakumara	N I Lab	Sc-Ast-6	81200.00		
461	12.08.30	D		Gama Tracer Modle XLZ-2-RS-232	8	A Jayalath	Room N	Sc-Ast-6	Vet 4025.52		
462	12.08.30			Gama Tracer Extension Unit	8	A Jayalath	Room N	Sc-Ast-6			
463	12.08.30			Network Monitoring Center	1	A Jayalath	Room N	Sc-Ast-6			
				Server HP Proliant Modle ML 350G6	1	A Jayalath	Room N	Sc-Ast-6			
				UPS APC Smart UPS Modle 1000	1	A Jayalath	Room N	Sc-Ast-6			
				Monitor HP 21.5" CPO Modle LE 2202X	1	A Jayalath	Room N	Sc-Ast-6			
				APC Surge Protector S/N ZZ1141P20219	1	A Jayalath	Room N	Sc-Ast-6			
				Network Alarm Box S/N N#B 100189FA 10018	1	A Jayalath	Room N	Sc-Ast-6			
				Data Expert (Manual)	1	A Jayalath	Room N	Sc-Ast-6			
464	12.08.30			CS -137 Gama check Source	1	A Jayalath	Room N	Sc-Ast-6	283267.14		
465	12.08.30			Iron Stand For Isotop Hidrology Project	20	Viraj Edirisinghe	IH, Proj	Sc-Ast-6	59000.00		
466	12.10.02			Magnafux Y-1 AC Yoke S/N 0227	1	D C Samaraweera	NDT Lab	Sc-Ast-6	188461.73		
467	12.12.20			12V Cor DC to 240V AC Inverter 350w S/No. 2012081930264	1	P D Mahakumara	N I Lab	Sc-Ast-6	3150.00		
468	12.12.31	D		Solar Panel for Early Warning System	1	C Herath	Early Warning System	Sc-Ast-6	31889.78		
469	12.12.31			Computer=Dose Electro Chemical Cell S/No. H101402001	1	M A Hettiarachi	Radiation Processing Lab	Sc-Ast-6	701008.27		
470	12.12.31	D		880 Delta Projector with I-192 Handle Grip Control Assembly	1	J N Edirisinghe	X-ray R	Sc-Ast-6	2910221.00		

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
471	13.01.15			Laboratory Jack 12x14 S.S. Laboratory Jack 20x20 S.S.	3 1	T N Attanayake	LC Lab	Sc-Ast-6 Sc-Ast-6-21-VI	41850.00		
472	13.01.31			Iron Frame for Plot (Plant House)	1	S S Kulatunge	Open University, Nawala	Sc-Ast-6	125714.27		
473	13.02.18			Standart RT Kit (10 Pieces) Standard UT Kit (10 Pieces) Standard MT / PT Kit (10 Pieces) Standard VT Kit (10 Pieces) NDT Demonstration Kit (10 Pieces) Reference Radiography Kit	1 1 1 1 1 1	T M R Tennakoorn	NDT	Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6 Sc-Ast-6	2478560.00		
474	13.02.07			Corrosion Analysis Detector with Accessories S/No. 20-1805 - Indicating Device Canin (01) - Carrying Strap (01) - Protection Sleeve for Indi. Device (01) - Transfer Cable (01) - USB - Serial Adaptor (01) - Operating Instruction (01) - Carrying Case Canin (01) - Red Electrode with Spare Parts (01) - Electrode Cable 25m (01) - Cable Coil 25m (01) - Provist PC Software (01) - Bottle with Copper Sulphate (250g) - L-Wheel Electrode System (01) - Tool Kit to wheel Electrode System (01) - Botde with Citricacid (250 g)	1	S M S Pulle	NDT Concrete Testing Inspection	Ast-6-22	2044000.00		
475	13.02.27			Impact Echo Tester with Accessories S/No.IM02235 - Analog to digital data acquisition system(01) - One cylindrical hand-held transducer unit (six Sam.) (3 Flat and 3 cone shaped) (06) - Ten spherical impactors (two sets of fire) (10) - Out put adaptor (01) - Vechicle DC power adaptor (01) - Printed materials (a) Book : Impact Echo (01) (b) Impact Echo Instrument Manual (01) © Impact Echo User's Manual - Ruggedized water proof field case (01) - Wave speed unit for measuring wavespeed rods attached to a tentral ring (01) - Computer software CD (01) - Two BNC Cables - 6ft (02) - USB Port Cable (01) - Dell mini lap top S/No. CKZY2NI (01) - Printer Deskjet 1000HP S/No,CN2BJ28JHX (01)	1	S M S Pulle	NDT Concrete Testing	Ast-6-2	3091200.00		
476	13.02.27			Rebar Detection System Profometer 5t models S/No.578962 - Indicating Device (01) - Carrying Strap (01) - Universal Probind Protection Film (01) - Probe cable 1.5 m (01) - Transfer cable 1.5 m (01) - RS 232 / adaptor (01) - Data carrier (01) - Head Set (01) - Protection sleeve for display nut (01) - Operating instructions (01) - Carrying case (01)	1	S M S Pulle	NDT Concrete Testing	Ast-6-23	1094240.00		
477	13.02.27			Moisture Meter with Accessories S/No. 60585408 - Hygropin unit (01) - In situ probe (01) - Carrying case (01) - 10 PCS measuring sleeves (10) - CD incl (01) - Hygrolink (01) - Documentation (01)	1	S M S Pulle	NDT Concrete Testing	Ast-6-24	397600.00		
478	13.02.27			Pile Integrity Testor Model : PIT-V with Accessories S/No. 3848CA - PIT Model V starter system (01) - 12 V power supply for PITSA (01) - 110 V AC Power Card for 12 V power supply (01) - PIT Transit case (01) - Foam insert for PITSA ellis case 05-7766 (01) - External PCMCIA card reader (01) - Shoulder strap (01) - Execetiv pen stylns (01) - PIT accelerometer wax-50-01 (02) - Battery charger per PIT-5A (01) - 110 V AC power card for battery charger (01) - PIT Vedio (01) - 2 Regular hammer (01) - 3 Regular hammer (01) - PIT accelerometer-top mount white -TL (01) (S/No. 21044)	1	S M S Pulle	NDT Concrete Testing	Ast-6-24	2234400.00		
479	13.02.27			Pile Echo Tester (Model ; PET Pro USB) S/No. 26024 with Accessories - USB pet sensor (01) - Spare water proof USB cable (01) - Thorex nylon hammer 32 mm (01) - Carrying case (01) - Replacable tips for hammer (04) - HBM putty (100 gv) - Pet software installation CD (01) - Model ES-08100 accelerometer calibration data (01) - Model ES-08100 accelerometer specification (01) - Validation test result (01) - Certificate of calibration (in house) (01) - Certificate of quality (01) - Declaration of ASTM D5882-07 conformance (01)	1	S M S Pulle	NDT Concrete Testing	Ast-6-25	1545600.00		

Scientific Equipment Inventory

No	Date	LP/D	Sub No.	Item Name	Qty	Issued to	Location	Inv. No	Value	Remarks	
										FAR No	Other
				- PET Getting started card (01) - Company mini laptop (S/No. 5CB14151P8) (01) - Printer HP-Deskjet 1000 (S/No. 2BJ28K5R) (01)							
480	13.03.20			Pull Off Tester M Model : 58-C215/T S/No. : 12017 556	1 unit	S M S Pulle	NDT Concrete Testing	E-Ast-6-26	741400.00		
481	13.03.20			Ultrasonic Pulse Velocity with Oscilloscope with Accessories V-meter MKFU Model : VC 400 S/No. : 40001-10535	1 unit	S M S Pulle	NDT Concrete Testing	E-Ast-6-26	1291752.00		
482	13.03.20			Schmith Hammer James Digital Rebounder Reat Hammer with Assessories Model USD 2000 S/No. 40200-822210	1 unit	S M S Pulle	NDT Concrete Testing	E-Ast-6-26	662166.40		
483	13.04.26			A & D SK 5001 WP Scale S/No. - P1644357	1	W M I Dissanayake	LC Lab	E-Ast-6-26	48070.90		

Radioactive Sources Stored in the Atomic Energy Authority Waste Management Facility Pending Disposal

Up dated on 05.04.2013

(1) Radioactive Sources Conditioned

Package No.	Shield No.	Container No.	No. of Capsules	No. of Sources	Radioactive Material	Activity on 20.05.2010	Institute from which the material received
SRL - 401	SRL - 301	-	10	-	Ra -226	0.54 Ci	Cancer Hospital, Maharagama
SRL - 402	SRL - 302	-	10	-	Ra -226	0.59 Ci	Cancer Hospital, Maharagama
SRL - 403	SRL - 303	-	10	-	Ra -226	0.55 Ci	Cancer Hospital, Maharagama
SRL - 404	SRL - 304	-	10	-	Ra -226	0.52 Ci	Cancer Hospital, Maharagama
SRL - 405	SRL - 305	-	10	-	Ra -226	0.49 Ci	Cancer Hospital, Maharagama
SRL - 406	SRL - 306	-	10	-	Ra -226	0.49 Ci	Cancer Hospital, Maharagama
SRL - 407	SRL - 307	-	10	-	Ra -226	0.51 Ci	Cancer Hospital, Maharagama
SRL - 408	SRL - 308	-	10	-	Ra -226	0.49 Ci	Cancer Hospital, Maharagama
	-	LC-1	-	02	Ra - 226	39.42 mCi	Ceylon Tobacco Company
SRL - 409	SRL - 309	-	10	-	Ra -226	0.57 Ci	Cancer Hospital, Maharagama
<i>No. of Sources (Needles) Conditioned</i>				= 90			
<i>No. of Sources Conditioned (Lightening Arrestors)</i>				= 02			
<i>Total No. of Sources Conditioned</i>				= 92	<i>(Date of conditioned 24 April & 12 May 2000)</i>		

(2) Radioactive Sources Not Conditioned**a) Used for Brachytherapy Treatments:**

Radioactive Source	No. of sources	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
Co-60 (LC-14)	03	1.77 Ci	Cancer Hospital, Maharagama	Not known
No. of sources = 03 (Date of received 17.09.2007)				

Radioactive Source	No. of sources	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
Cs-137 (LC-16)	03	Not known	Teaching Hospital, Kandy	Not known
No. of sources = 03 (Date of received 10.08.2010)				

Radioactive Source	No. of sources	Activity on 01.12.2000	Institute from which the material received	Country of Origin/Manufacturer
Cs-137 (LC-17)	11	0.48 Ci	Teaching Hospital, Kandy	Eric Rouchon
No. of sources = 11 (Date of received 10.08.2010)				

b) Used as Lightning Arrestors

Radioactive Source	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
241Am-Be	20 mCi	Triton Hotel, Ahungalla	United Kingdom
241Am-Be	20 mCi	(Date of received 12.12.2005) Neptune Hotel, Beruwala	United Kingdom
241Am-Be	20 mCi	Browns Beach Hotel, Negambo	United Kingdom
241Am-Be	20 mCi	Ceylon Biscuits, Pannipitiya (Date of received 17.07.2012)	United Kingdom
No. of sources = 04			

c) Used as Soil Moisture Gauges

Type	Equipment Model No.	Equipment Serial No.	Source Serial No	Radioactive Source	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
Troxler	3222	220	NE 4420	241Am-Be	9.55 mCi	Land Use Division, Irrigation Department	Troxler Electronic Laboratories, Inc., U.S.A
Troxler	3222	219	NE 4419	241Am-Be	9.55 mCi	Land Use Division, Irrigation Department	Troxler Electronic Laboratories, Inc., U.S.A
Troxler	1255	734	AM 123	241Am-Be Cs-137	94.37 mCi	Land Use Division, Irrigation Department	Troxler Electronic Laboratories, Inc., U.S.A
CPN	-	-	MM4054943	241Am-Be Cs-137	47.91 mCi	Land Use Division, Irrigation Department	Instrotek Company, U.S.A
Neutron depth probes	-	-	-	241Am-Be	Not known	Land Use Division, Irrigation Department	Not known
	-	-	-	241Am-Be	Not known	Land Use Division, Irrigation Department	Not known
Troxler	1255	478	45-5264	241Am-Be	10 mCi	Land Use Division, Irrigation Department	Troxler Electronic Laboratories, Inc., U.S.A

No. of sources = 07

Type	Equipment No.	Radioactive Source	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
CPN 503 DR	H 30119935	241Am-Be	48.50 mCi	Department of Export Agriculture, Matale	Instrotek Company, U.S.A
CPN 503 DR	MS 0099813	241Am-Be Cs-137	48.53 mCi 6.51 mCi	Department of Export Agriculture, Matale	Instrotek Company, U.S.A
No. of sources = 02					

Type	Equipment Model No.	Equipment Serial No.	Source Serial No	Radioactive Source	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
Troxler	3440	34335	47-3009 751-377	241Am-Be Cs-137	40 mCi 8 mCi	China Harbour Engineering, Bandaragama	Troxler Electronic Laboratories, Inc., U.S.A
Troxler	3440 Plus	39538	78-4260 77-7077	241Am-Be Cs-137	40 mCi 8 mCi	China Harbour Engineering, Bandaragama	Troxler Electronic Laboratories, Inc., U.S.A

No. of sources = 02 (Date of received 27.03.2012)

No. of sources = 02 (Date of received 27.03.2012)

Type	Equipment Model No.	Equipment Serial No.	Source Serial No	Radioactive Source	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer
Troxler	3430	34244	-	241Am-Be Cs-137	40 mCi 8 mCi	Kumagai Gumi Co. Ltd, Baddegama	Troxler Electronic Laboratories, Inc..U.S.A
Troxler	3430	34246	-	241Am-Be Cs-137	40 mCi 8 mCi	Kumagai Gumi Co. Ltd, Baddegama	Troxler Electronic Laboratories, Inc..U.S.A

d) Used for Research & Education Purposes

Container No.	Radionuclide (If identified)	Activity on 20.05.2010 (If known)	Institute from which the material received	Country of Origin/Manufacturer
LC-2	Co-60	2.8 mCi	Department of Nuclear Science, University of Colombo	Not Known
LC-3	Co-60	1.8 mCi	Department of Nuclear Science, University of Colombo	Not Known
LC-4	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-5	Co-60	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-6	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-7	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-8	Neutron	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-9	Cs-137	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-10	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-11	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-12	-	Not known	Department of Nuclear Science, University of Colombo	Not Known
LC-13	-	Not known	Department of Nuclear Science, University of Colombo (Date of received 29.08.2006)	Not Known
-	Pu / Be	0.27 mCi	Department of Engineering, University of Moratuwa (Date of received 17.02.2003)	Not Known
No. of sources = 13				

* All these sources are in mille Curie Levels

e) Used for Density Gauges

Radioactive Source	No. of Sources	Activity on 24.06.2011	Institute from which the material received	Country of Origin/Manufacturer
Cs-137	05	4.73 Ci (1978)	Ceylon Steel Corporation Ltd, Oruwala	Union of Soviet Socialist Republic (USSR)
No. of sources = 05 (Date of received 24.06.2011)				

Name, Make & Model of the Device	Date of Manufacturer	Source Serial No	Radioactive Source	Activity on 20.03.2013	Institute from which the material received	Country of Origin/Manufacturer
Industrial Nucleonics Accuray Corporation C-7, S-18	12-1981	S 2141 H	Sr-90	25 mCi	Ceylon Tobacco Company, Colombo 15	Accuray Corporation 650, Ackerman Road, Columbus, OHIO, 43202, U.S.A
	11-1980	S 1815 H	Sr-90	25 mCi		
	12-1981	S 2245 H	Sr-90	25 mCi		
	05-1981	S 2016 H	Sr-90	25 mCi		
	04-1983	S 2703 H	Sr-90	25 mCi		
	05-1981	S 2018 H	Sr-90	25 mCi		
	05-1981	S 2019 H	Sr-90	25 mCi		
	05-1981	S 2017 H	Sr-90	25 mCi		
	12-1981	S 2144 H	Sr-90	25 mCi		
	12-1981	S 2239 H	Sr-90	25 mCi		
	05-1981	S 2020 H	Sr-90	25 mCi		
No. of sources = 11 (Date of received 20.03.2013)						

f) Used for Level Gauges:

Radioactive Source	No. of sources	Activity on 12.03.2013	Institute from which the material received	Country of Origin/Manufacturer
Cs-137	02	100 mCi x 02	Prema Ceylon Ltd, Rajagiriya	Not known
No. of sources = 02 (Date of received 12.03.2013)				

P-4.12

g) Others

Radioactive Material	Activity on 20.05.2010	Institute from which the material received	Country of Origin/Manufacturer	Comments
Cs -137	20.12 mCi	Teaching Hospital, Karapitiya	Not Known	These sources have not yet been used
Cs -137	20.12 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	40.24 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Karapitiya	Not Known	
Cs -137	20.12 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	20.12 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	20.12 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	30.18 mCi	Teaching Hospital, Kandy	Not Known	
Cs -137	12.07 mCi	Ceylon Petroleum Corporation	Not Known	
No. of sources		= 15		

Total Nos. of Sources Not Conditioned = 80

Total nos. of sources stored in AEA = 172

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(1989 අංක 17 අර්ථ දැක්වීම් සහ අනෙකුත් ක්‍රියාමාර්ග.)

இலங்கை மின்சாரச் சபை

(1989 ஆண்டின் 17 ஆம் இல. பாராளுமன்ற சத்திரம்
சட்டத்தின் பிரகாரம் தாங்கியுள்ளது)



CEYLON ELECTRICITY BOARD

(Established by Act of Parliament No. 17 of 1989)

50, திருவ் சிங்கமலை சி. மாவை மாவட்டம்,
கல். பெ. 540, கொழும்பு 2, சி. இலங்கை.

50, சேர் சிற்றம்பலம் ஏ. காடினார் மாவட்டம்,
த. பெ. 540, கொழும்பு 2, ஸ்ரீ லங்கா.

50, Sir Chittampalam A. Gadenai mawatta,
P. O. Box 540, Colombo 2, Sri Lanka.

Telephone +094112329544

Fax: +094112329544

Attentions. Chef Engineer Tr. Designs

TD/CE/G/18/01/10

08th July 2013

Chief Engineer (Colombo),
Road Development Authority,
No: 15,
Manthri Place,
Colombo 05.

**PREPARATORY SURVRY ON TRAFFIC IMPROVEMENT PROJECT AROUND NEW
KELANI BRIDGE**

Requesting an estimate for shifting of affected pylon and laying cables underground

This refers to our letter RDA/CE/COL/BR-8/4 sent on 12th June 2013, with regard to the above subject.

The total estimated cost for, shifting two transmission lines as per your request is **One thousand two hundreds forty and eighty eight cents, million Sri Lankan rupees (MLKR 1240.88).**

This is forwarded for your approval and arrangement of funds please.

Thank you,

Ceylon Electricity Board

Additional General Manager (Transmission)

Attachments:

- | | | |
|----------|---|----------------------------------|
| Annex 01 | : | Detailed BOQ and cost estimation |
| Annex 02 | : | Proposed New line route |
| Annex 03 | : | Special Terminal Tower 220kV |
| Annex 03 | : | Special Terminal Tower 132kV |

Price Proposal for 220kV Transmission line Shifting

Cable Cost	<u>Rs865,094,993.20</u>	
Over Head Transmission Line Cost	<u>Rs6,098,400.00</u>	Rs871,193,393.20

Proposal for 132kV Transmission line Shifting

Cable Cost	<u>Rs361,259,541.65</u>	
Over Head Transmission Line Cost	<u>Rs8,430,305.00</u>	Rs369,689,846.65

Total Cost (Sri Lankan Rupees) Rs1,240,883,239.85

Total Cost (Million Sri Lankan Rupees) 1,240.88

The set of additional entitlements are proposed considering the current provisions with the effect of 2008 Regulations under Land Acquisition Act approved by the Parliament of Sri Lanka on 17th April 2009, published in the extraordinary gazette notification No. 1596/12 dated 7th April 2009 based on the circular No. 4/2008 dated 20.08.2008 and 4/2008(i) dated 06-10-2008 of the Ministry of Land and Land Development. While all the items relevant to the Land Acquisition Act (LAA) are hereby applicable, the entitlements and the limits that are highlighted below are also to be applied in addition to the provisions of 2008 Regulations.

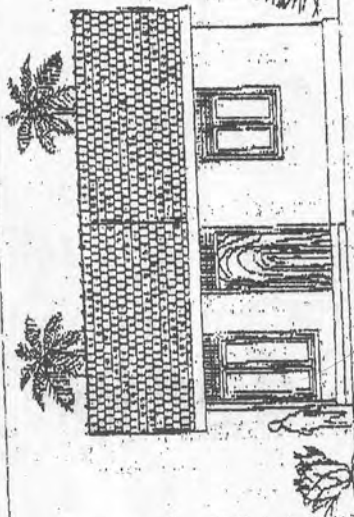
Serial No.	Type of losses	Vulnerable Party	Type of claims	Description
1	Loss of Residential land and structure	Titled owner with deeds	<u>Option 1</u> Self - Relocation	1) All (cash) payments for land at replacement cost (section 17). 2) All (cash) payment for the structure OR minimum of Rs. 550,000/= whichever is higher. (Minimum payment based on the estimate for construction of a 550 sq.ft single story dwelling prepared by MHDA) 3) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=) 4) The cost incurred in change of residence - shifting (For houses where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 5) Re fixing cost of fixtures and fittings (For houses/residences Rs. 5000/=.) 6) Expenses for electricity facility - Rs. 20,000 7) Expenses for water facility - Rs. 20,000 8) Expenses for telecommunication facility - Rs.10,000 9) Expenses for finding alternative accommodation for maximum of 6 months. (Maximum rental Rs. 10,000/= per month for Municipal Council Areas) - Rs. 60,000/=. 10) Self relocation allowance (within Municipality area) - Rs. 500,000/=.

				11) Payment for handing over possession of properties before the deadline. 25% of the statutory payment for building.
	Loss of Residential land and structure	Titled owner with deeds	<u>Option 2</u> RDA will give around 6 acres for UDA from Attidiya land and request an apartment from UDA for less than Rs. 3.5 million (cost of land will be deducted from the housing unit cost) (Housing unit + Land Value)	1) All (cash) payments for land at replacement cost 2) All (cash) payment for the structure OR minimum of Rs. 550,000/= whichever is higher. (Minimum payment based on the estimate for construction of a 550 sq.ft single story dwelling prepared by MHDA) 3) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=) 4) The cost incurred in change of residence - shifting (For houses where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 5) Re fixing cost of fixtures and fittings (For houses/residences Rs. 5000/=.) 6) Expenses for electricity facility - Rs. 20,000 7) Expenses for water facility - Rs. 20,000 8) Expenses for telecommunication facility - Rs.10,000 9) Expenses for finding alternative accommodation for maximum of 6 months. (Maximum rental Rs. 10,000/= per month for Municipal Council Areas) - Rs. 60,000/=. 10) Payment for handing over possession of properties before the deadline. 25% of the statutory payment for bidding (section 17) subject to maximum of - Rs. 137,500/=
2	Loss of Residential land and structure	Non Titled owner	<u>Option 1</u> Self - Relocation	1) All (cash) payment for the structure OR minimum of Rs. 550,000/= whichever is higher. (Minimum payment based on the estimate for construction of a 550 sq.ft single story dwelling prepared by MHDA) 2) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=)

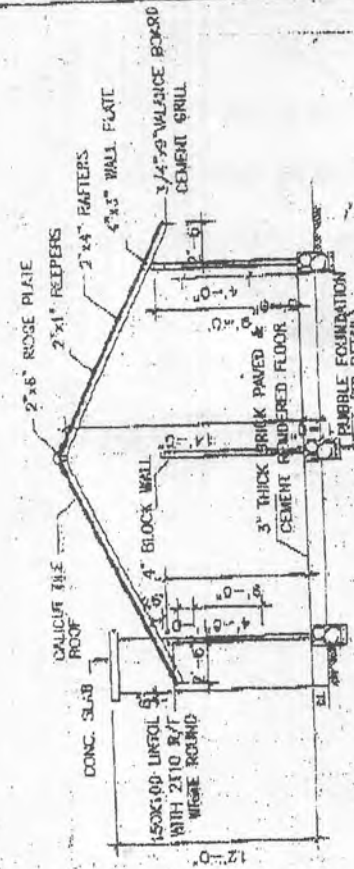
				3) The cost incurred in change of residence - shifting (For houses where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 4) Re fixing cost of fixtures and fittings (For houses/residences Rs. 5000/=.) 5) Expenses for electricity facility - Rs. 20,000 6) Expenses for water facility - Rs. 20,000 7) Expenses for telecommunication facility - Rs.10,000 8) Expenses for finding alternative accommodation for maximum of 6 months. (Maximum rental Rs. 10,000/= per month for Municipal Council Areas) - Rs. 60,000/=. 9) Self relocation allowance - Rs. 500,000/=. 10) Payment for handing over possession of properties before the deadline. 25% of the statutory payment for bidding (section 17) subject to maximum of - Rs. 137,500/=.
	Loss of Residential land and structure	Non Titled owner	<u>Option 2</u> RDA will give around 6 acres for UDA from Attidiya land and request an apartment from UDA for less than Rs. 3.5 million (cost of land will be deducted from the housing unit cost) Housing UDA in a long term basis.	1) All (cash) payment for the structure OR minimum of Rs. 550,000/= whichever is higher. (Minimum payment based on the estimate for construction of a 550 sq.ft single story dwelling prepared by MHDA) 2) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=) 3) The cost incurred in change of residence - shifting (For houses where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 4) Re fixing cost of fixtures and fittings (For houses/residences Rs. 5000/=.) 5) Expenses for electricity facility - Rs. 20,000 6) Expenses for water facility - Rs. 20,000 7) Expenses for telecommunication facility - Rs.10,000 8) Expenses for finding alternative accommodation for maximum of 6 months. (Maximum rental Rs. 10,000/= per month for Municipal Council Areas) - Rs. 60,000/=.

				9) Payment for handing over possession of properties before the deadline. 25% of the statutory payment for bidding (section 17) subject to maximum of - Rs. 137,500/=. Total compensation amount Rs. 685,000. This will be the initial payment for the UDA Housing Unit and the balance payment will be compensated by Attidiya land to UDA.
3	Loss of commercial land and structure	Titled owner with deeds	<u>Only option</u> Self Relocation	1) All (cash) payments for land at replacement cost 2) All (cash) payment for the structure OR minimum of Rs. 275,000/= whichever is higher. 3) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=) 4) The cost incurred in change of commercial establishment - shifting (For business place where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 5) Re fixing cost of fixtures and fittings (For commercial establishment Rs. 5000/=.) 6) Loss of earnings - Rs. 15,000/= 7) Expenses for electricity facility - Rs. 20,000 8) Expenses for water facility - Rs. 20,000 9) Expenses for telecommunication facility - Rs.10,000 11) Self relocation allowance - Rs. 500,000/=. 10) Payment for handing over possession of properties before the deadline. 25% of the statutory payment (Rs. 275,000) for building (section 17) subject to maximum of - Rs. 68,750/=.
4	Loss of commercial land and structure	Non Titled owner	<u>Only option</u> Self Relocation	1) All (cash) payment for the structure OR minimum of Rs. 275,000/= whichever is higher. 2) Expenses incurred for section 9 inquiry (The amount to be allowed should not exceed Rs. 10,000/=)

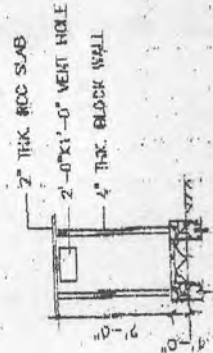
				3) The cost incurred in change of commercial establishment - shifting (For commercial establishment where floor area is less than 1000 sq.ft. - Rs. 10,000/=) 4) Re fixing cost of fixtures and fittings (For houses/residences Rs. 5000/=.) 5) Loss of earnings - Rs. 15,000/= 6) Expenses for electricity facility - Rs. 20,000 7) Expenses for water facility - Rs. 20,000 8) Expenses for telecommunication facility - Rs.10,000 9) Payment for handing over possession of properties before the deadline. 25% of the statutory payment for bidding (section 17) subject to maximum of - Rs. 68,750/=. 10) Self relocation allowance - Rs. 500,000/=.
5	Loss of rental accommodation	Person renting in a residential structure owned by a titled owner	Finding alternative accommodation	1) Expenses for finding alternative accommodation for maximum of 3 months. (Maximum rental Rs. 10,000/= per month for Municipal Council Areas) - Rs. 30,000/=. 2) The cost incurred in change of change of resident - shifting (For houses where floor area is less than 1000 sq.ft. - Rs. 10,000/=)
6	Loss of Residential land and structure	Sub family	Finding a alternative accommodation	1) 50% of the cash grant as applicable to self relocates - Rs. 275,000
7	Loss of Residential land and structure	Vulnerable People (women headed, elderly, differently able...)		1) Cash allowance - Rs. 15,000/=



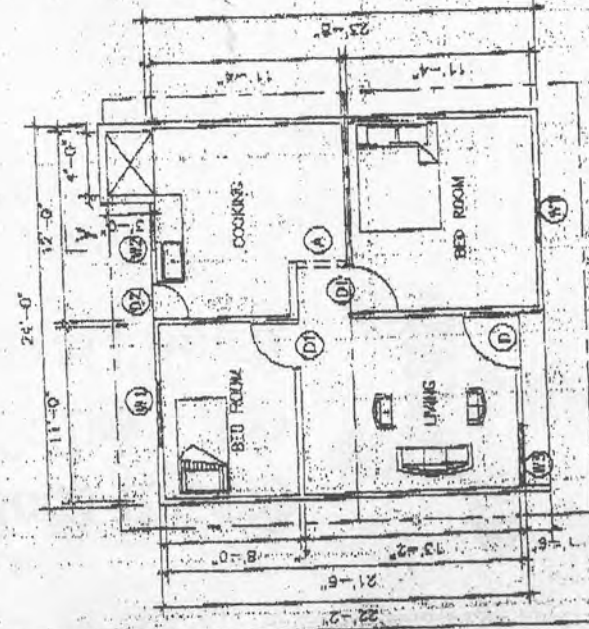
FRONT ELEVATION



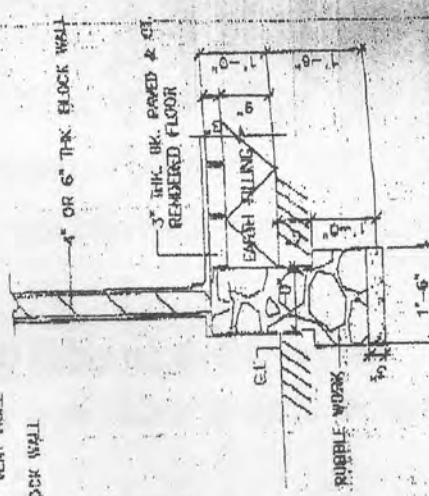
SECTION Y-Y



SECTION X-X



FLOOR PLAN
FLOOR AREA - 350' Sq.ft



DETAIL OF FOUNDATION

SCHEDULE OF DOORS & WINDOWS.

NO.	TYPE	SIZE	DESCRIPTION
01	D	3'-6" x 8'-0"	PANELLED DOOR WITH 1'-0" TRELLIS WORK ON TOP.
02	W1	3'-0" x 7'-0"	PANELLED WINDOW
03	D2	2'-6" x 6'-0"	MARINE PLYWOOD DOOR WITH 1'-0" TRELLIS WORK ON TOP.
04	W2	2'-6" x 5'-0"	MARINE PLYWOOD WINDOW
05	W3	3'-0" x 5'-0"	GLAZED WINDOW WITH 1'-0" TRELLIS WORK ON TOP.
06	W4	3'-0" x 6'-0"	GLAZED WINDOW WITH 1'-0" TRELLIS WORK ON TOP.
07	W5	3'-0" x 7'-0"	GLAZED WINDOW WITH 1'-0" TRELLIS WORK ON TOP.
08	A	3'-0" x 7'-0"	FLAT ARCH.

INDIAN HOUSING PROJECT
TYPE D

PLAN, ELEVATION & SECTION

DRAWN BY:

CHECKED BY:
D.O.A.

APPROVED BY (DEPT. SEC)

DATE: 29/05/2012

SCALE: EIGHT FT. TO AN INCH

DRG. NO: 3744/10

Bill of Quantities for Lockable House for proposed house -Type: I
Approximate Plinth area -550 sq.ft

No	Description	Unit	Qty	Rate	Amount
1	Excavation in trenches for foundation and septic tank and depositing excavated material to a distance not exceeding 2.0m.	Cu.m	14.00	500.00	7,000.00
2	75mm thick 1:3:6(38mm) cement concrete screed in foundation.	Cu.m	1.62	9,000.00	14,580.00
3	Random rubble masonry in 1:5 cement mortar in foundation.	Cu.m	14.00	7,500.00	105,000.00
4	Applying DPC on top of foundation with Bitumen	m	48.00	100.00	4,800.00
5	150mm thick Block masonry wall in 1:5 Cement mortar for external wall	Sq.m	76.41	1,200.00	91,692.00
6	100mm thick Block masonry wall in 1:5 Cement mortar for partitions wall, cubical and septic tank	Sq.m	66.83	1,000.00	66,830.00
7	Lintel 100mm x 150mm, cement concrete 1:2:4(20), Reinforcement with 2 No. 10mm tor steel including form work.	m	35.00	750.00	26,250.00
8	Roof, Gable with Calicut pattern tiles on 150x50 ridge plates, 125x75 purling, 100x75 wall plates, 100x50 rafter at 550mm centers and 50x25 reaper at 275 centers in acceptable quality timber frame work including ridging and application of two coats wood preservative.	Sq.m	77.00	1,900.00	146,300.00
9	Earthwork - Back filling & compacting. (Back filling to trenches with selected earth available at site)	Cu.m	14.00	225.00	3,150.00
10	Provision for cyclone resistance including stiffener columns and roof band & ridge construction	Item	1.00	9,898.00	9,898.00
11	60 mm thick 1:2 1/2:5(25mm) cement concrete in floor	Sq.m	45.00	650.00	29,250.00
12	12mm thick 1:5 cement plastering & finished smooth for entire internal surface & Toilet cubical at 1m height(Prior to plastering provide electrical conduit pipe for future use)	Sq.m	95.00	350.00	33,250.00
	Decorative plaster band (Architrave) around door and window ? Cement grill reveals extending to the external wall surface to form a band of 4" wide	m	50.00	128.00	6,400.00
13	12mm thick 1:2 cement rendering in a room and kitchen	Sq.m	20.00	380.00	7,600.00
14	Doors supplying and fixing of 28mm thick sash and with 100mm x 75mm frames with acceptable quality timber with iron oxi. fittings & motlee lock	No	2.00	9,000.00	18,000.00
15	Window supplying and fixing 28mm thick sash and with 100mm x 75mm frames with acceptable quality timber with iron oxi. Fittings or fixing safety grill;	No	4.00	7,000.00	28,000.00
16	Supplying and fixing squatting pan with footrest. Rate including plumbing	Item	1	6,000.00	6,000.00
17	Toilet door	No	1	4,000.00	4,000.00
18	75mm thick 1:2:4 concrete for slab including R/F 10mm B/W at 200mm spacing including formwork in chimney and toilet slab	Sq.m	5.00	1,800.00	9,000.00
Grand total for lockable house including unskilled labour			Rs		617,000.00
	Unskilled labour			67,000.00	
Total amount for lockable house excluding 2/3rd of unskilled labour			Rs		550,000.00

Memorandum of Understanding

Between

The Road Development Authority

&

The National Apprentice and Industrial Training Authority

&

The Vocational Training Authority

For

Relocation of the Automobile Engineering Training Institute to the land of
Vocational Training Authority for the Construction
of new bridge construction over Kelani River

This Memorandum of Understanding (hereinafter referred to as MOU) made and entered into on this 23 day of October 2013 between the Road Development Authority (established by the Road Development Authority Act No. 73 of 1981, amended by Act No. 37 of 2009) Sethsiripaya, Battaramulla of the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as RDA) on the One part and the National Apprentice and Industrial Training Authority (established by the National Apprenticeship Act No.49 of 1971, amended by Part (ii) of Tertiary and Vocational Education Act No. 20 of 1990) of No. 971, Sri Jayawardenapura Mawatha, Welikada, Rajagiriya (hereinafter referred to as NAITA) on the Second part and the Vocational Training Authority (established by the Vocational Training Authority Act No. 12 of 1995) of No. 354/2, "Nipunatha Piyasa", Elvitigala Mawatha, Narahenpita, Colombo 05, (hereinafter referred to as VTA) on the third part .

WHEREAS the Road Development Authority has submitted a conceptual proposal to construct an additional bridge over Kelani River at Peliyagoda closer to the existing new Kelani Bridge in Collaboration with the Japan International Cooperation Agency (JICA) (hereinafter referred to as the proposed bridge Project) to minimize the present traffic congestion in the area.

AND whereas the proposed bridge project consists of a six lane bridge across the Kelani River connecting to Colombo – Katunayake Expressway and Interchange at Bandaranayaka roundabout, an elevated road links to the port access road and the Baseline road.

AND WHEREAS the NAITA has three National Institutions under their preview.

AND WHEREAS Automobile Engineering Training Institute (hereinafter referred as AETI) is one such National Institutions.

AND WHEREAS due to the proposed bridge Project the land possessed by the AETI will be affected and it is agreed to relocate the AETI to the premises of VTA as both organizations comes under the Ministry of Youth Affairs and Skill Development, to continue their functions without any interruptions .

AND WHEREAS the affected extent of NAITA land will be compensated to the equal extent of land at Attidiya which belongs to the RDA.

The Understanding between the parties is as follows.

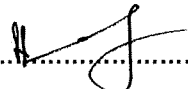
1. The RDA requires the land which possessed by AETI for the construction of proposed bridge project.
2. The AETI agrees to relocate to the premises of VTA at Orugodawatte.
3. The VTA will allow the AETI to construct their building complex in the land which they owned at Orugodawatte after deducting a part of 03 acres and 2 roods.
4. The RDA agrees to handover the similar extent from the land at Attidiya which belong to RDA to VTA to compensate for the affected extent of land.
5. Removal and relocation of equipments of AETI will be executed under the Civil Work construction and will be insured under the civil work construction.
6. The RDA agrees to construct a new building before demolishing existing AETI building , to fulfill the existing requirements before commencement of proposed bridge project.
7. The AETI will vacate the present location before commencement of the proposed bridge project.
8. Any dispute arising out of or in connection with this MOU, including any questions regarding its existence, validity or termination, shall be resolved mutually by the parties.

9. The law of the Democratic Socialist Republic of Sri Lanka shall be the applicable law.

10. This MOU is concluded and made in the English Language in Three Originals and each part shall have a copy thereof.

11. This MOU shall become effective upon signing by the parties.

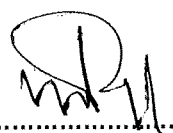
12. IN WITNESS WHERE OF the undersigned representatives of the parties being duly authorized to do so, have signed this MOU.

.....


Chairman

R. W. R. PEMASIRI

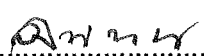
Acting Chairman
Road Development Authority

.....


Chairman

Chandana Arunadeva

Chairman
National Apprentice &
Industrial Training Authority
97T, Sri Jayawardenapura Mawatha,
Welikada, Rajagiriya.

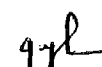
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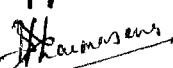
Board Member

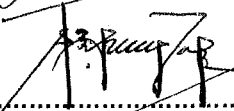
O. RATHNAWEERA

Working Director &
Board Member
Road Development Authority

Witness

1. 

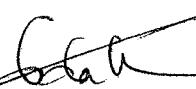
2. 

.....


Chairman

Vocational Training Authority

Witness

1. 

2. 

Eng. (Mrs) Pradeepa Udakara
Director General

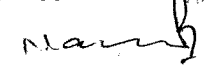
National Apprentice & Industrial Training Authority
97T, Sri Jayawardenapura Mawatha,
Welikada, Rajagiriya

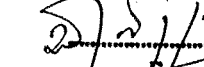
P. D. S. KARIYAWASAM

Legal Officer,
National Apprentice and
Industrial Training Authority,
97T, Sri Jayawardenapura Mawatha,
Welikada, Rajagiriya

CHAIRMAN
VOCATIONAL TRAINING AUTHORITY OF SRI LANKA
"NIPUNATHA PIYASA"
354/2, ELVITIGALA MAWATHA,
NARAHENPITA - COLOMBO 05.

Witness

1. 

2. 

Director (Research and Planning)
Vocational Training Authority of Sri Lanka.

"Nipunatha Piyasa"
354/2, Elvitigala Mawatha,
Narahenpita, Colombo 05.

Eranga Jinadasa (H.L.B.)

Legal Officer

Vocational Training Authority of Sri Lanka

Memorandum of Understanding
354/2, Elvitigala Mawatha, Narahenpita,
Colombo 05

Memorandum of Understanding

Between

The Road Development Authority

&

The Atomic Energy Authority

For

Relocation of the Atomic Energy Authority for the
Construction

of new bridge construction over Kelani River

This Memorandum of Understanding (hereinafter referred to as MOU) made and entered into on the 25th day of October 2013 between the Road Development Authority (established by the Road Development Authority Act No. 73 of 1981, amended by Act No. 37 of 2009) of Sethsiripaya, Battaramulla of the Democratic Socialist Republic of Sri Lanka (hereinafter referred to as RDA) on the One part and the Atomic Energy Authority (established by the Atomic Energy Authority Act No.19 of 1969) of No.60/460, Baseline road, Orugodawatte, Wellampitiya (hereinafter referred to as AEA) on the Second part.

WHEREAS the RDA has submitted a conceptual proposal to construct an additional bridge over Kelani River at Peliyagoda closer to the existing new Kelani Bridge in collaboration with the Japan International Cooperation Agency (JICA) (hereinafter referred to as the proposed bridge Project) to minimize the present traffic congestion in the area.

R
J

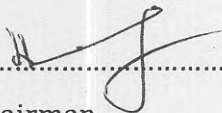
AND WHEREAS the proposed bridge project consists of a six lane bridge across the Kelani River connecting to Colombo – Katunayake Expressway and Interchange at Bandaranayaka roundabout, an elevated road links to the port access road and the Baseline road.

AND WHEREAS due to the proposed bridge Project, the land and the building complex of the AEA will be affected and it is agreed to relocate the AEA at Information Technology Park at Malabe to continue their functions without any interruptions.

The Understanding between the parties is as follows.

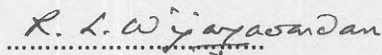
1. The RDA requires the land which possessed by AEA for the construction of proposed bridge project.
2. The AEA agrees to relocate its building complex at Information Technology Park at Malabe.
3. The RDA agrees to construct a new building before demolishing the existing AEA building complex to fulfill the existing requirements before the commencement of the proposed bridge project.
4. The AEA will vacate the present location before the commencement of the proposed bridge project.
5. Any dispute arising out of or in connection with this MOU, including any questions regarding its existence, validity or termination, shall be resolved mutually by the parties.
6. The law of the Democratic Socialist Republic of Sri Lanka shall be the applicable law.

9. IN WITNESS WHERE OF the undersigned representatives of the parties being duly authorized to do so, have signed this MOU in presence of the witnesses.



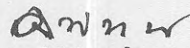
Chairman

Road Development Authority



Chairman

Atomic Energy Authority


Board Member
RDA

O. RATHNAWEERA
Working Director &
Board Member
Road Development Authority

(Common Seal)



(Common Seal)

Witnesses

1. Name: D. A. S. Jayasekara

Address: Neer Kelani Bridge construction project
Wing C, 1st Floor, Sethsiripaya II, Battaramulla

NIC No: 667300819V

Signature: 

Witnesses

1. Name: D. C. L. Weeraratne

Address: 60/460, Baseline Road,
Orugodawatta, Wellampitiya

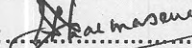
NIC No: SS1420876V

Signature: 

2. Name: P. K. S. D. Senathilleke

Address: Legal Division, RDA,
8th Floor, Sethsiripaya II, Battaramulla

NIC No: 787133347V

Signature: 

2. Name: R. H. N. Neethangani

Address: 60/460, Baseline Rd.,
Orugodawatta, Wellampitiya

NIC No: 685560406V

Signature: 