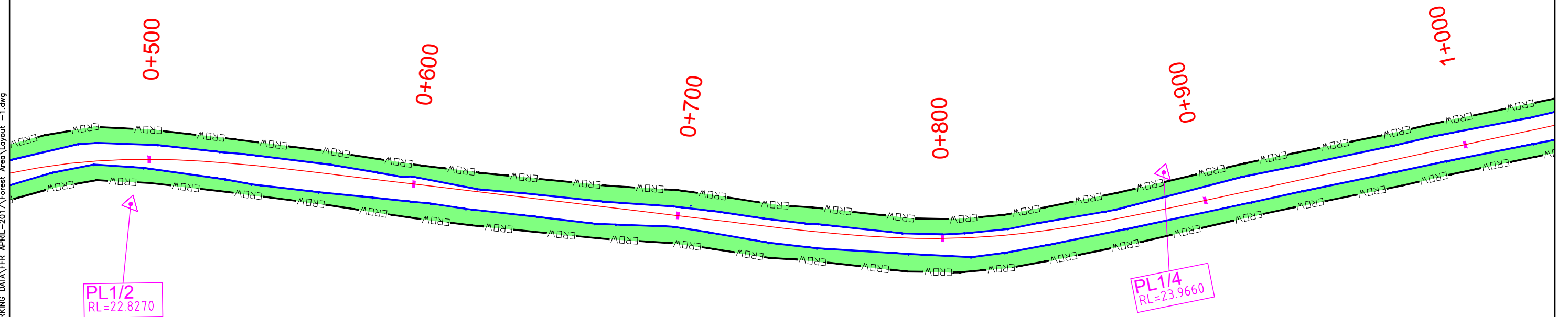
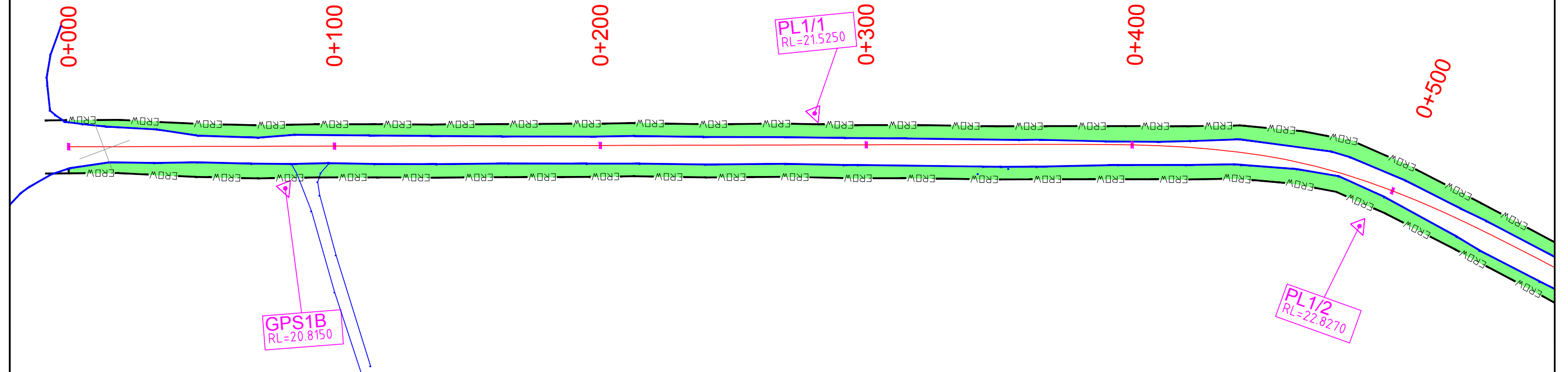


← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; COORDINATES</b> |                        |                          |
|--------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>                | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 785641.550                           | 2335637.590            | GPS1B                    |
| 785445.371                           | 2335681.516            | PL1/1                    |
| 785268.606                           | 2335793.592            | PL1/2                    |
| 784969.225                           | 2336041.361            | PL1/4                    |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |  |  |  |          |   |   |   |
|-----|------------|--------------------------|--|--|--|----------|---|---|---|
|     |            |                          |  |  |  |          |   |   |   |
|     |            |                          |  |  |  |          |   |   |   |
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|     |            |                          |  |  |  |          |   |   |   |
|     |            |                          |  |  |  |          |   |   |   |
| RO  | APRIL 2017 | DGPS MAP                 |  |  |  | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  |  |  | INITIALS |   |   |   |

Consultant:

 **S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
101/A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/I, Sector 14/2, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

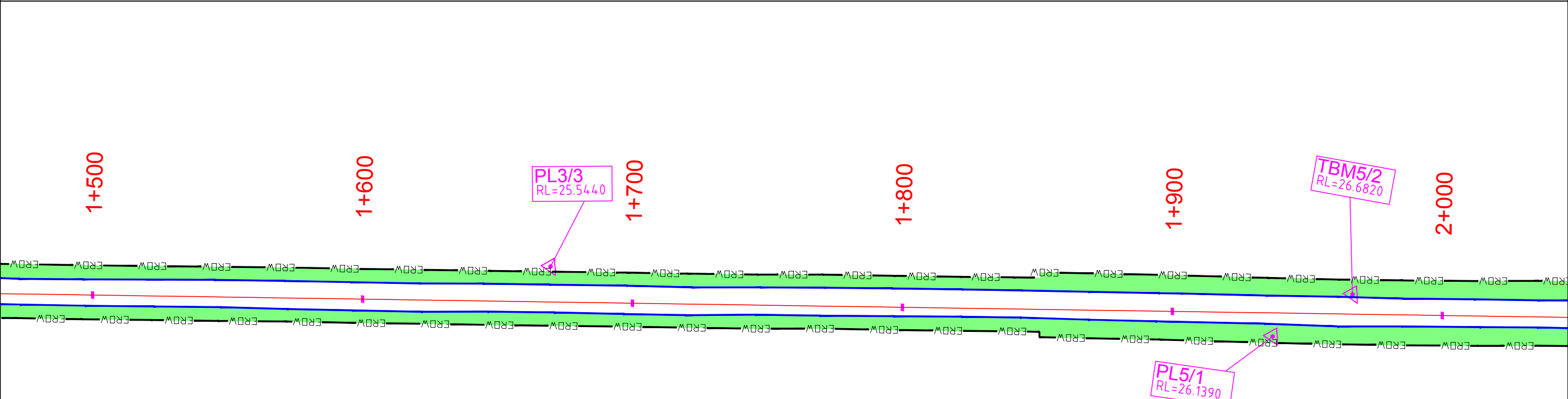
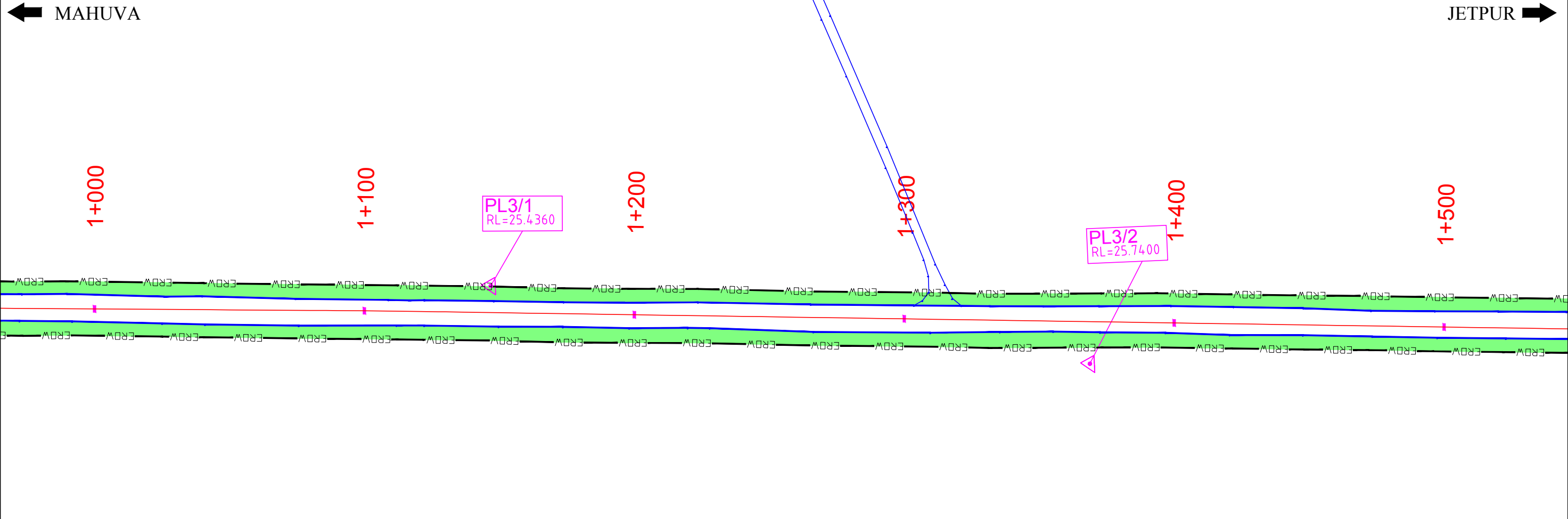
|          |                                                                                                                                                                                                                                                                                                                                                             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  <b>INDIAN ACADEMY OF HIGHWAY ENGINEERS</b>                                                                                                                                                                                                                            |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat package no. NH/IAHE/16) |

Drawing Title :  
DGPS MAP  
0+000 to 1+000

|                                         |                                            |                                            |                                                 |
|-----------------------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------|
| DRAWING NO : 1231580/FFR/01             |                                            | SCALE : - HOR: 1:1000                      |                                                 |
| DATE : APRIL-2017                       |                                            | Revision : R0                              | Sheet : 01 of 85                                |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas khan</i><br>Anas khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R. P. Singh</i><br>R.P.Singh |

Paper Size A2

DATE: 28/04/2017 - 5:21pm  
PATH: Y:\HIGHWAY\2015\DPR\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout -1.dwg



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Pillar No. |
| 784744.496               | 2336171.766 | PL3/1      |
| 784563.989               | 2336304.084 | PL3/2      |
| 784288.825               | 2336428.087 | PL3/3      |
| 784066.996               | 2336579.826 | PL5/1      |
| 784033.592               | 2336580.447 | TBM5/2     |

| LEGEND   |                      |
|----------|----------------------|
| — EROW — | Existing ROW         |
| — —      | Existing Carriageway |
| — —      | Proposed Center Line |
| △        | DGPS/TS Pillar       |
| ■        | Protected Forests    |
| — —      | Chainage km          |

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:

**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6146000 Fax-0120-6148090  
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :  
**DGPS MAP**  
1+000 to 2+000

|                                            |                                                 |
|--------------------------------------------|-------------------------------------------------|
| DRAWING NO : 1231580/FFR/02                | SCALE :- HOR: 1:1000                            |
| DATE : APRIL-2017                          | Revision : R0                                   |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik    | DRAWN (B)<br><i>Anas Khan</i><br>Anas Khan      |
| CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |

Sheet : 02 of 85  
Paper Size A2

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← MAHUYA

JETPUR ➡

TBM5/2  
RL=26.6820

2+000

2+100

2+200

2+300

2+400

2+500

PL5/2  
RL=27.0710

PL5/3  
RL=28.5180

2+500

2+600

2+700

 $2+800$  $2+900$ 

3+000

GPS  
RL=304

PL5/4  
RL=28.3940

GPS5A  
RL=29.7550

| <b><i>DGPS POINTS &amp; CORDINATES</i></b> |                        |                          |
|--------------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>                      | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 783874.941                                 | 2336695.072            | PL5/2                    |
| 783635.410                                 | 2336829.339            | PL5/3                    |
| 783410.163                                 | 2336920.489            | PL5/4                    |
| 783195.029                                 | 2337047.711            | GP55A                    |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

[illegible]

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
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Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

2+000 to 3+000

DRAWING NO : 1231580/FFR/03

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

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| DRAWN (B) | CHECKED |
| DATE      | DATE    |

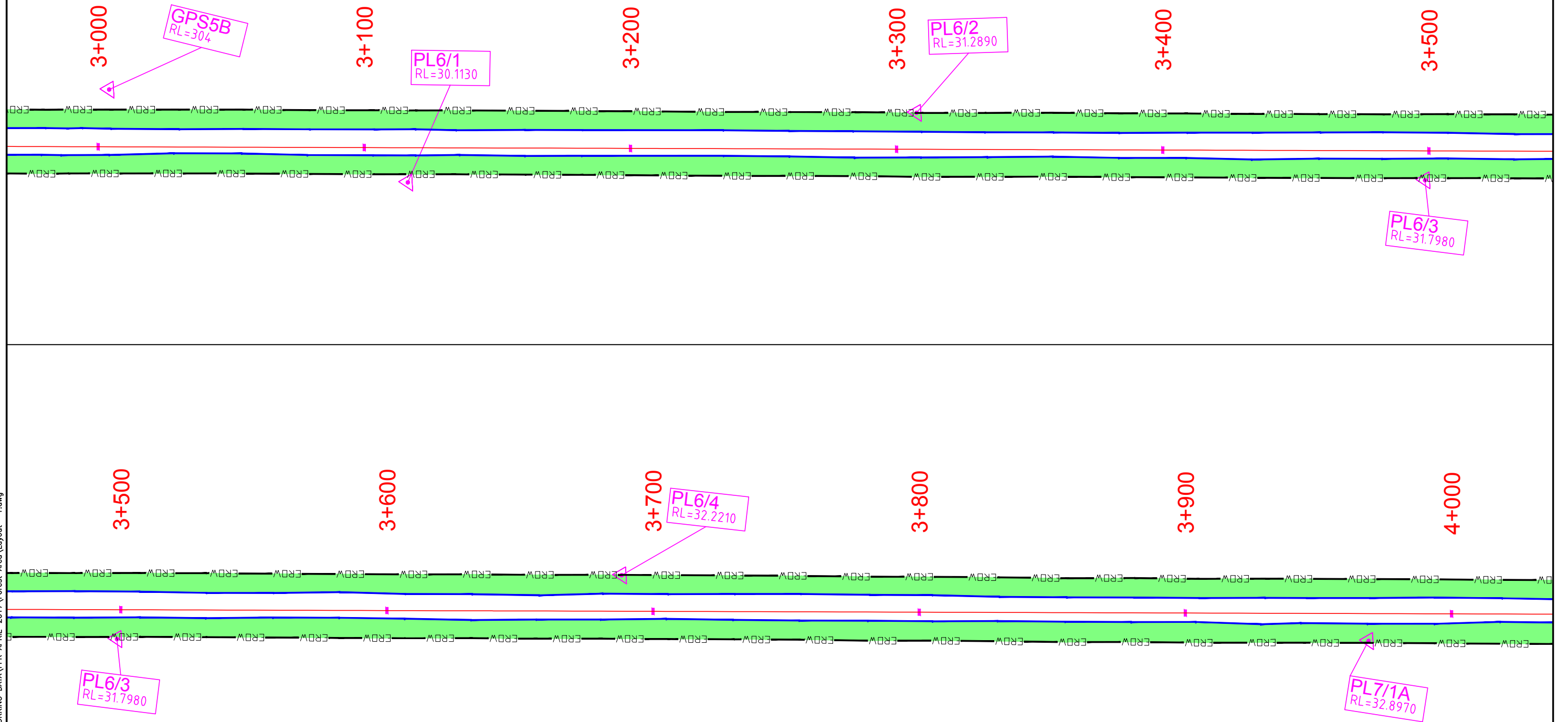
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| R0 | Sheet : 03 of 85 |
|----|------------------|

|             |              |
|-------------|--------------|
| CHECKED (C) | APPROVED (D) |
|-------------|--------------|

Paper Size A2

← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Eastng</b>                       | <b>Northing</b> | <b>Piller No.</b> |
| 783125.547                          | 2337082.369     | GP55B             |
| 783045.110                          | 2337168.035     | PL6/1             |
| 782865.944                          | 2337239.498     | PL6/2             |
| 782712.163                          | 2337355.733     | PL6/3             |
| 782535.374                          | 2337428.385     | PL6/4             |
| 782303.374                          | 2337588.183     | PL7/1A            |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |  |  |  |  |          |   |     |
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|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
| R0  | APRIL 2017 | DGPS MAP                 |  |  |  |  | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  |  |  |  | INITIALS |   |     |

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.  
1101A, 7<sup>th</sup> Floor, Tower A-11, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  INDIAN ACADEMY OF HIGHWAY ENGINEERS                                                                                                                                                                                                                                        |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amrell, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16) |

Drawing Title :  
DGPS MAP  
3+000 to 4+000

|                             |                  |               |                      |                  |
|-----------------------------|------------------|---------------|----------------------|------------------|
| DRAWING NO : 1231580/FFR/04 |                  |               | SCALE :- HOR: 1:1000 |                  |
| DATE : APRIL-2017           |                  | Revision : R0 |                      | Sheet : 04 of 85 |
| DESIGNED (A)                | DRAWN (B)        | CHECKED (C)   | APPROVED (D)         | Paper Size A2    |
| <i>Kousik</i>               | <i>Anas Khan</i> | <i>S Rana</i> | <i>R.P.Singh</i>     |                  |
| Kousik                      | Anas Khan        | Shantanu      | R.P.Singh            |                  |

DATE: 28/04/2017 - 5:23pm  
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← MAHUYA

JETPUR ➡

4+000

4+100

4+200

4+300

4+400

4+500

PL7/2  
RL=34.4080

PL7/1A  
RL=32.8970

PL7/1  
RL=33.7360

4+500

4+600

PL7/3  
RL=34.9330

4+700

4+800

 $4+900$ 

TBM10/3  
RL=35.9450

PL7/4A  
RL=35.6180

PL7/4  
RL=35.8740

| <b><i>DGPS POINTS &amp; CORDINATES</i></b> |                        |                          |
|--------------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>                      | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 782109.258                                 | 2337701.636            | PL7/1                    |
| 781929.382                                 | 2337777.068            | PL7/2                    |
| 781726.242                                 | 2337890.048            | PL7/3                    |
| 781569.171                                 | 2337976.248            | PL7/4                    |
| 781478.362                                 | 2337998.191            | TBM10/3                  |

**LEGEND**

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
|  | Existing ROW         |
|  | Existing Carriageway |
|  | Proposed Center Line |
|  | DGPS/TS Pillar       |
|  | Protected Forests    |
|  | Chainage km          |

[illegible]

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-III, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
|----------|



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

4+000 to 5+000

|              |                |
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| DRAWING NO : | 1231580/FFR/05 |
|--------------|----------------|

DATE : APRIL-2017

Revision : R0

Sheet : 05 of 85

DESIGNED (A)  
Kousik  
Kousik

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| DRAWN (B) | CHECKED |
| Anas Khan | S. Khan |
| Anas Khan | Shah    |

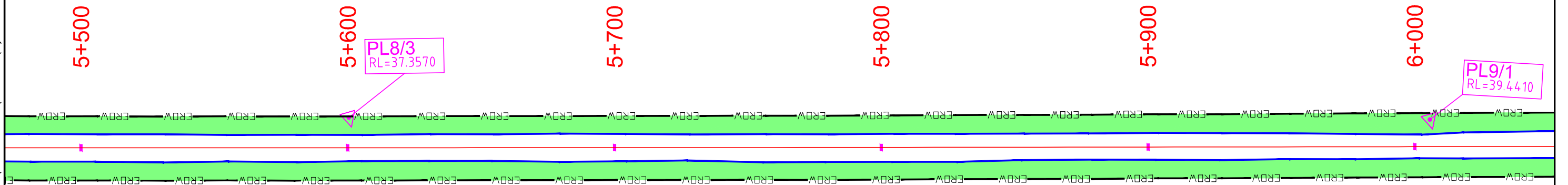
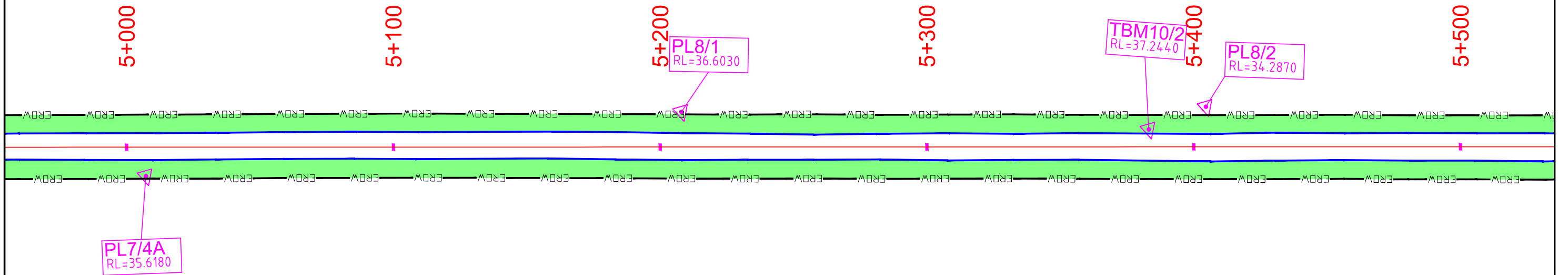
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| <p>APPROVED (C)</p> <p><i>[Signature]</i></p> <p>Antony</p> | <p>APPROVED (D)</p> <p><i>R.P. Singh</i></p> <p><b>R.P. Singh</b></p> |
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DATE: 28/04/2017 - 5:23pm  
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← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Piller No.</b> |
| 781369.015                          | 2338033.631     | PL7/4A            |
| 781169.181                          | 2338064.315     | PL8/1             |
| 781002.177                          | 2338117.600     | TBM10/2           |
| 780979.278                          | 2338115.175     | PL8/2             |
| 780791.583                          | 2338171.182     | PL8/3             |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |          |   |     |
|-----|------------|--------------------------|----------|---|-----|
|     |            |                          |          |   |     |
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|     |            |                          |          |   |     |
|     |            |                          |          |   |     |
| RD  | APRIL 2017 | DGPS MAP                 | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |     |

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
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| Client : |
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

5+000 to 6+000

DRAWING NO : 1231580/FFR/06

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| DATE : APRIL-2017 |
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Revision : R0

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| Sheet : 06 of 85 |
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DESIGNED (A)

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Kousik

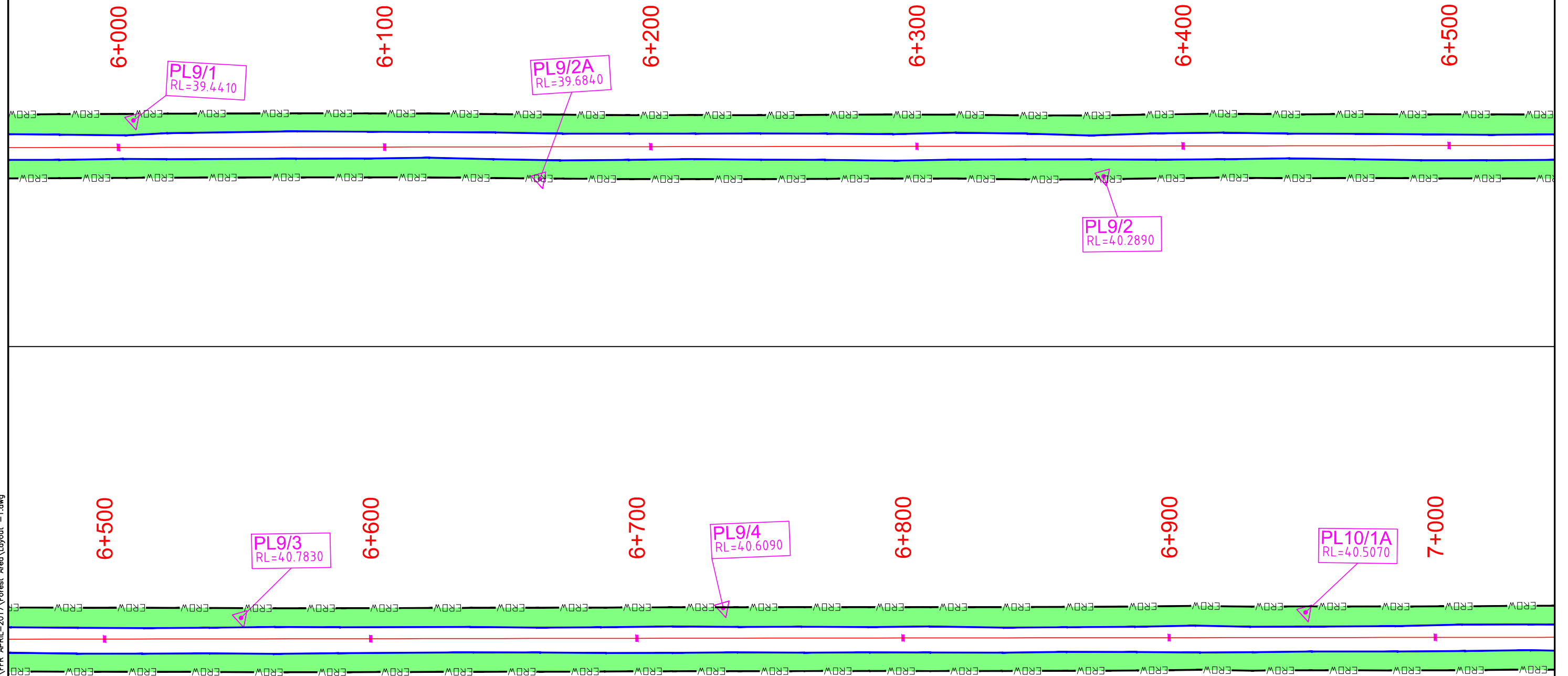
Andas khu.

50

R. P. Singh

Paper Size A2

← MAHUYA

JETPUR 

| <b>DGPS POINTS &amp; COORDINATES</b> |                        |                          |
|--------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>                | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 780401.386                           | 2338280.581            | PL9/1                    |
| 780260.168                           | 2338342.714            | PL9/2A                   |
| 780055.844                           | 2338398.469            | PL9/2                    |
| 779876.150                           | 2338428.337            | PL9/3                    |
| 779700.625                           | 2338473.370            | PL9/4                    |
| 779490.281                           | 2338533.573            | PL10/1A                  |

**LEGEND**

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
|  | Existing ROW         |
|  | Existing Carriageway |
|  | Proposed Center Line |
|  | DGPS/TS Pillar       |
|  | Protected Forests    |
|  | Chainage km          |

|     |            |                          |  |  |  |   |   |   |   |          |
|-----|------------|--------------------------|--|--|--|---|---|---|---|----------|
|     |            |                          |  |  |  |   |   |   |   |          |
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| R0  | APRIL 2017 | DGPS MAP                 |  |  |  | A | B | C | D |          |
| REV | DATE       | DESCRIPTION OF REVISIONS |  |  |  |   |   |   |   | INITIALS |

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
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Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
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INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

6+000 to 7+000

DRAWING NO : 1231580/FFR/07

DATE : APRIL-2017

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Revision : R0

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| DRAWN (B) | CHE |
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| R0 | Sheet : 07 of 85 |
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| CHECKED (C) | APPROVED (D) |
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Paper Size A2

← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Piller No.</b> |
| 779311.430                          | 2338605.710     | PL10/1            |
| 779097.663                          | 2338667.266     | PL10/2            |
| 778902.271                          | 2338696.024     | PL10/3            |
| 778787.568                          | 2338744.076     | TBM10/1           |
| 778723.459                          | 2338771.377     | PL10/4            |
| 778525.034                          | 2338788.312     | GPS10A            |

**LEGEND**

-  Existing ROW
-  Existing Carriageway
-  Proposed Center Line
-  DGPS/TS Pillar
-  Protected Forests
-  Chainage km

|     |            |                          |  |  |  |  |   |   |          |
|-----|------------|--------------------------|--|--|--|--|---|---|----------|
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| RD  | APRIL 2017 | DGPS MAP                 |  |  |  |  | A | B | C D      |
| REV | DATE       | DESCRIPTION OF REVISIONS |  |  |  |  |   |   | INITIALS |

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
|----------|



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

7+000 to 8+000

DRAWING NO : 1231580/FFR/08

DATE : APRIL-2017

Revision : R0

DESIGNED (A)

|           |     |
|-----------|-----|
| DRAWN (B) | CHE |
|-----------|-----|

50

08 of 85

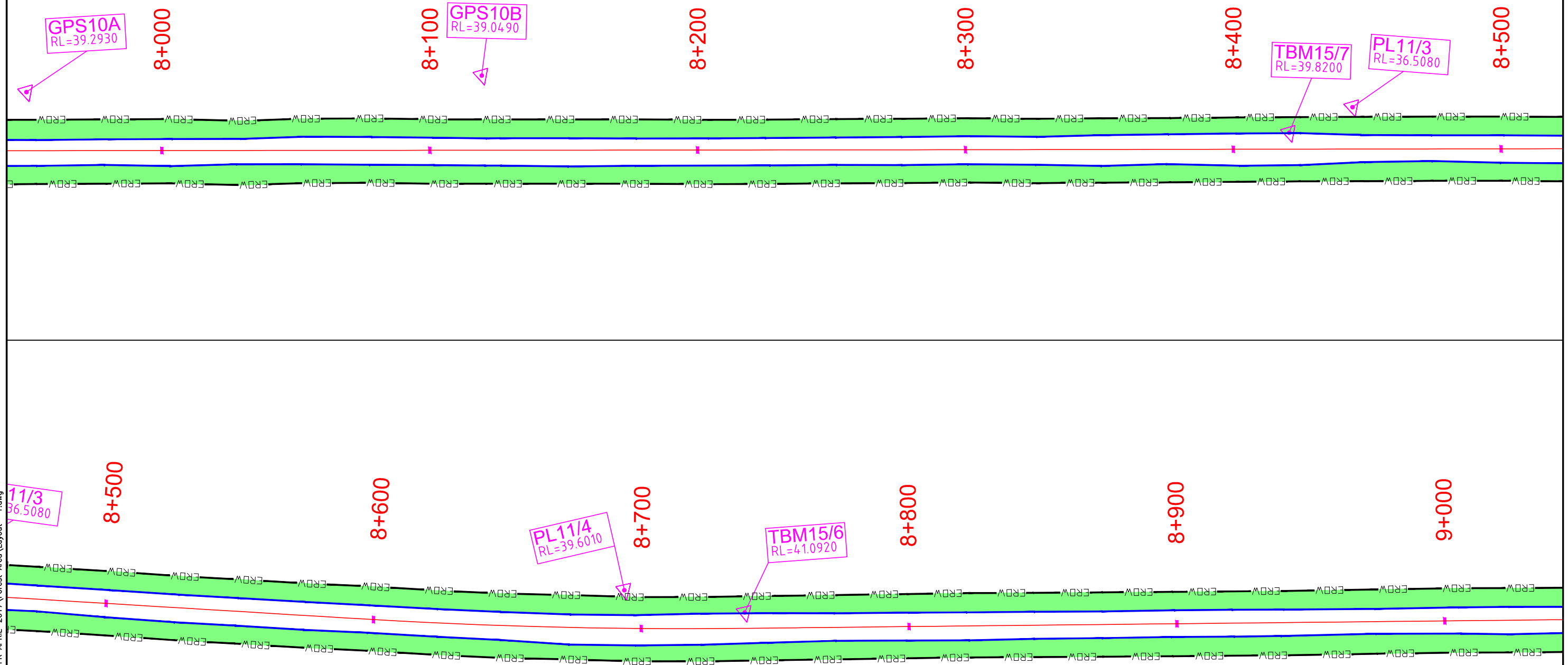
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| RECEIVED (C) | APPROVED |
|--------------|----------|

R. P. Singh

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← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                        |                          |
|-------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>               | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 778359.625                          | 2338827.946            | GP510B                   |
| 778049.607                          | 2338926.453            | PL11/3                   |
| 778074.948                          | 2338929.327            | TBM15/7                  |
| 777810.040                          | 2338991.690            | PL11/4                   |
| 777767.804                          | 2339009.153            | TBM15/6                  |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |  |  |  |  |          |   |     |
|-----|------------|--------------------------|--|--|--|--|----------|---|-----|
|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
|     |            |                          |  |  |  |  |          |   |     |
| RD  | APRIL 2017 | DGPS MAP                 |  |  |  |  | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  |  |  |  | INITIALS |   |     |

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
|----------|



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

8+000 to 9+000

DRAWING NO : 1231580/FFR/09

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

|           |     |
|-----------|-----|
| DRAWN (B) | CHE |
|-----------|-----|

|    |                  |
|----|------------------|
| R0 | Sheet : 09 of 85 |
|----|------------------|

|             |              |
|-------------|--------------|
| CHECKED (C) | APPROVED (D) |
|-------------|--------------|

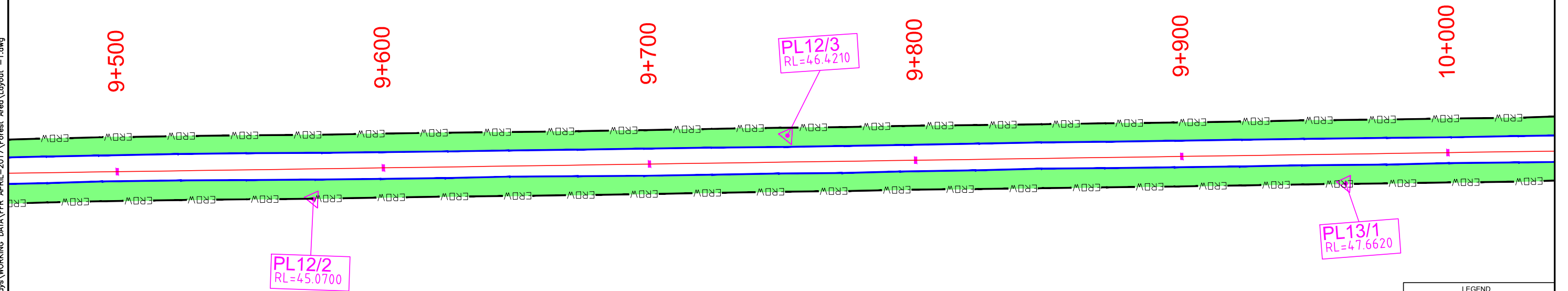
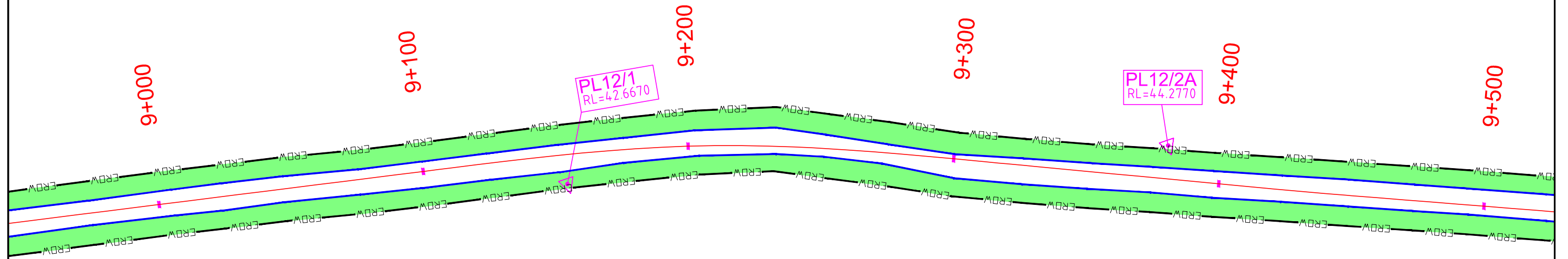
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| Sale | R. P. King |
|------|------------|

Paper Size A2

DATE: 28/04/2017 - 5:25pm  
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← MAHUYA

JETPUR ➡



| <b><i>DGPS POINTS &amp; CORDINATES</i></b> |                        |                          |
|--------------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>                      | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 777364.901                                 | 2339107.909            | PL12/1                   |
| 777146.300                                 | 2339165.832            | PL12/2A                  |
| 776977.743                                 | 2339264.274            | PL12/2                   |
| 776805.230                                 | 2339314.598            | PL12/3                   |
| 776620.708                                 | 2339415.874            | PL13/1                   |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.  
110/1A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                          |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  <b>INDIAN ACADEMY OF HIGHWAY ENGINEERS</b>                                                                                                                                                                                                                                         |
| Project: | <p>Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IA/HE/16)</p> |

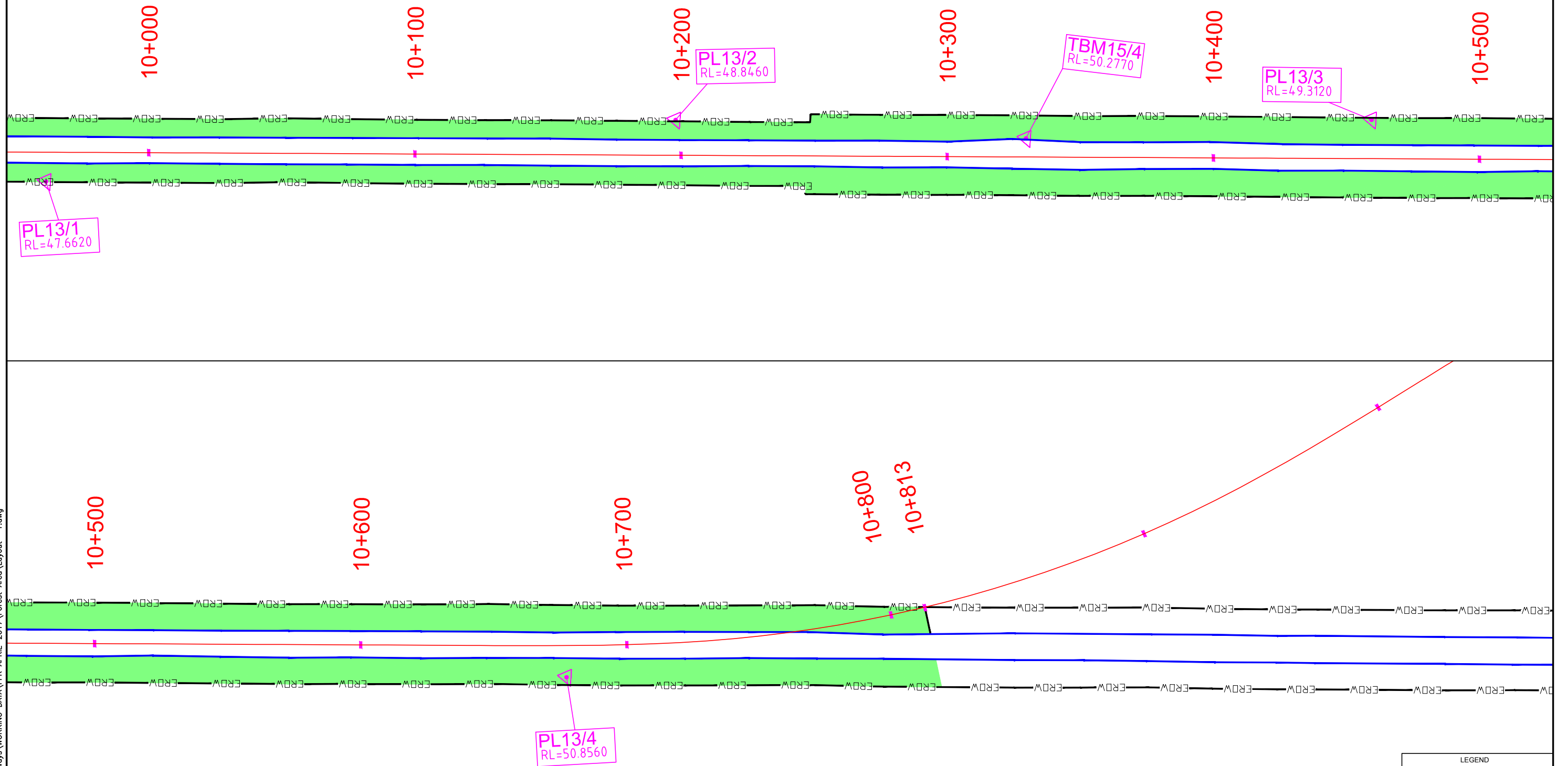
Drawing Title :  
DGPS MAP  
9+000 to 10+000

|                             |                  |                |                       |                  |
|-----------------------------|------------------|----------------|-----------------------|------------------|
| DRAWING NO : 1231580/FFR/10 |                  |                | SCALE : - HOR: 1:1000 |                  |
| DATE : APRIL-2017           |                  | Revision : RO  |                       | Sheet : 10 of 85 |
| DESIGNED (A)                | DRAWN (B)        | CHECKED (C)    | APPROVED (D)          | Paper Size A2    |
| <i>Kousik</i>               | <i>Anas Khan</i> | <i>S. Jale</i> | <i>R. P. Singh</i>    |                  |
| Kousik                      | Anas Khan        | Shantanu       | R.P.Singh             |                  |

DATE: 28/04/2017 - 5:25pm  
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← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                        |                          |
|-------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>               | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 776393.622                          | 2339486.107            | PL13/2                   |
| 776274.919                          | 2339543.426            | TBM15/4                  |
| 776152.504                          | 2339587.246            | PL13/3                   |
| 775962.214                          | 2339696.871            | PL13/4                   |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

[illegible]

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.  
1101A, 11 Floor Tower-4, Ansal Corporate Park  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

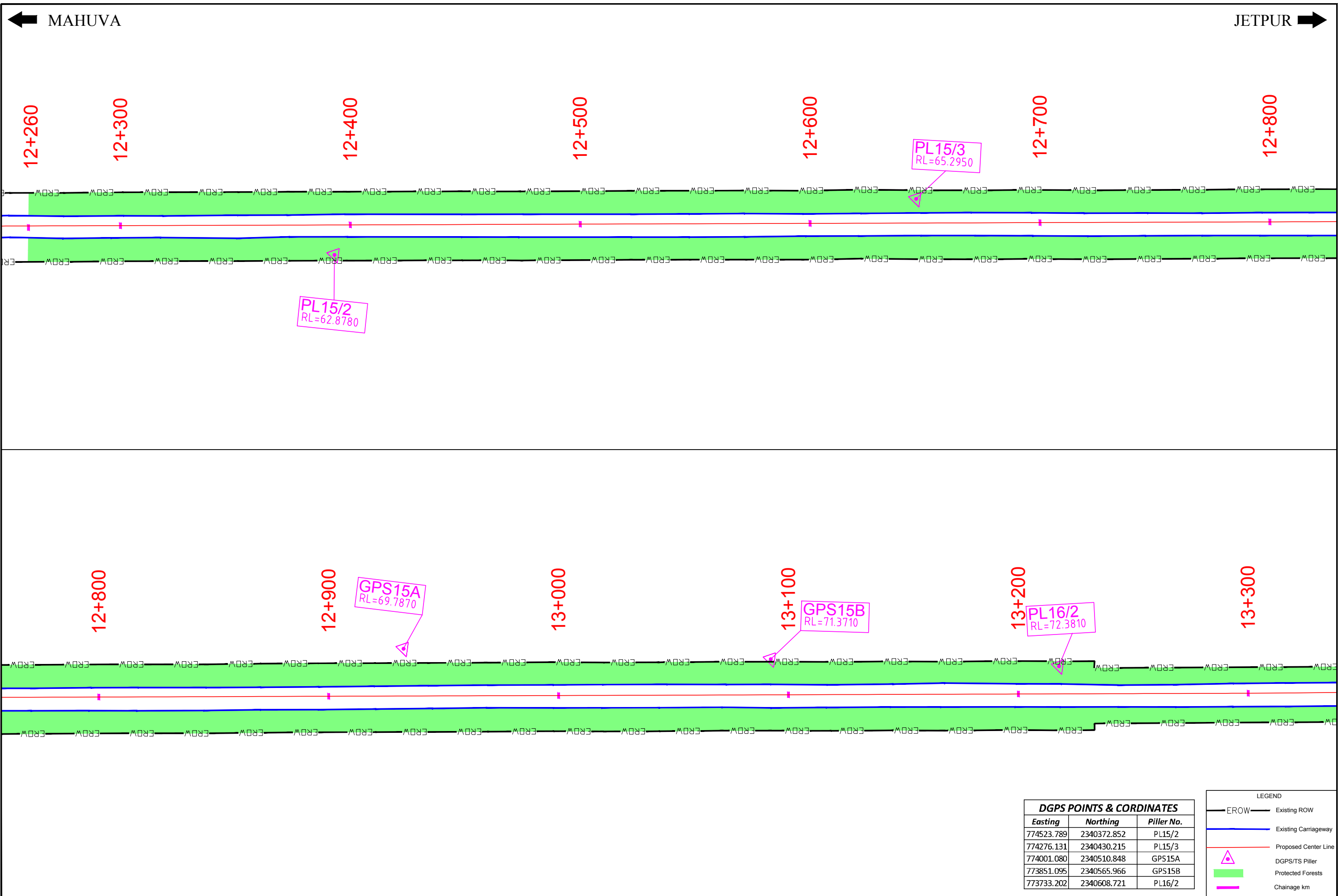
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|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  INDIAN ACADEMY OF HIGHWAY ENGINEERS                                                                                                                                                                                                                                         |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16) |

Drawing Title :  
DGPS MAP  
10+000 to 10+813

|                             |           |                       |           |
|-----------------------------|-----------|-----------------------|-----------|
| DRAWING NO : 1231580/FFR/11 |           | SCALE : - HOR: 1:1000 |           |
| DATE : APRIL-2017           |           | Revision : R0         |           |
| DESIGNED (A)                |           | CHECKED (C)           |           |
| DRAWN (B)                   |           | APPROVED (D)          |           |
| Kousik                      | Anas Khan | Shantanu              | R.P.Singh |
| Kousik                      | Anas Khan | Shantanu              | R.P.Singh |

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|-----|------------|--------------------------|----------|
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |
| RO  | APRIL 2017 | DGPS MAP                 |          |

Consultant:

**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6146000 Fax-0120-6148090  
Email: info@sainfra.com

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :  
**DGPS MAP**  
12+260 to 13+300

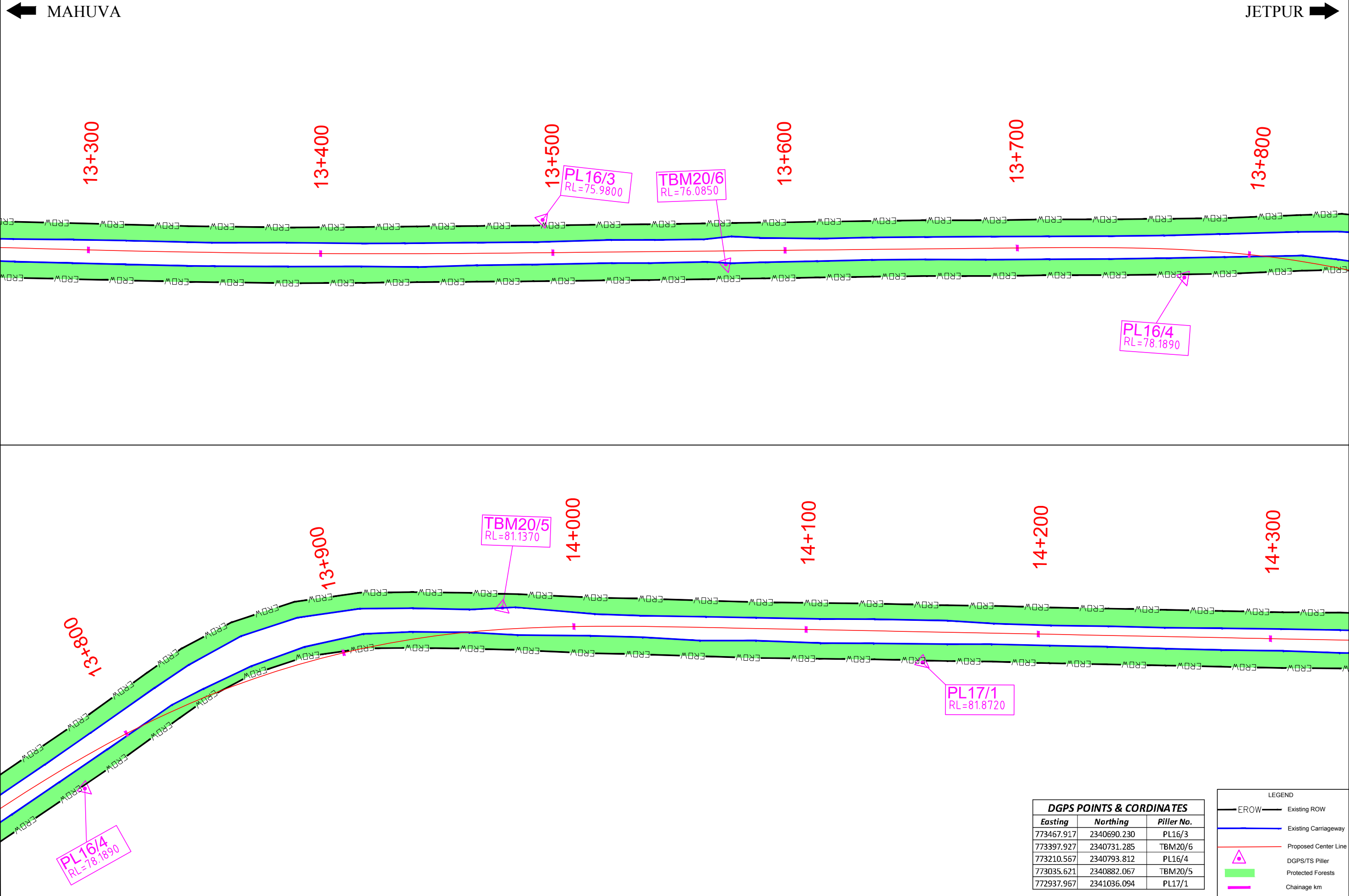
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| DRAWING NO : 1231580/FFR/12             |                                            | SCALE :- HOR: 1:1000                       |                                                 |
| DATE : APRIL-2017                       | Revision : R0                              | Sheet : 12 of 85                           |                                                 |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas Khan</i><br>Anas Khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |

Paper Size A2

| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Piller No. |
| 774523.789               | 2340372.852 | PL15/2     |
| 774276.131               | 2340430.215 | PL15/3     |
| 774001.080               | 2340510.848 | GPS15A     |
| 773851.095               | 2340565.966 | GPS15B     |
| 773733.202               | 2340608.721 | PL16/2     |

LEGEND

- EROW Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Piller
- Protected Forests
- Chainage km

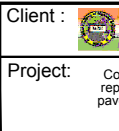


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|     |            |                          |          |
|-----|------------|--------------------------|----------|
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |
| RO  | APRIL 2017 | DGPS MAP                 |          |



S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6146000 Fax-0120-6148090  
Email: info@sainfra.com



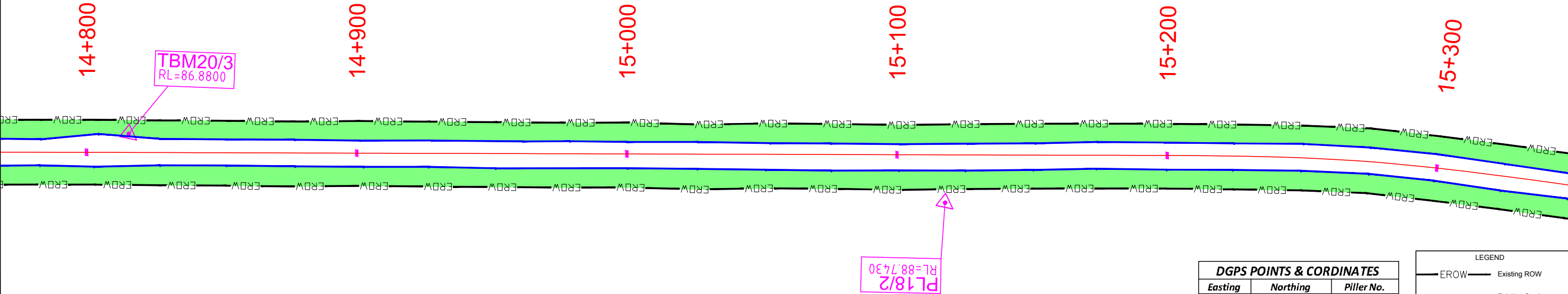
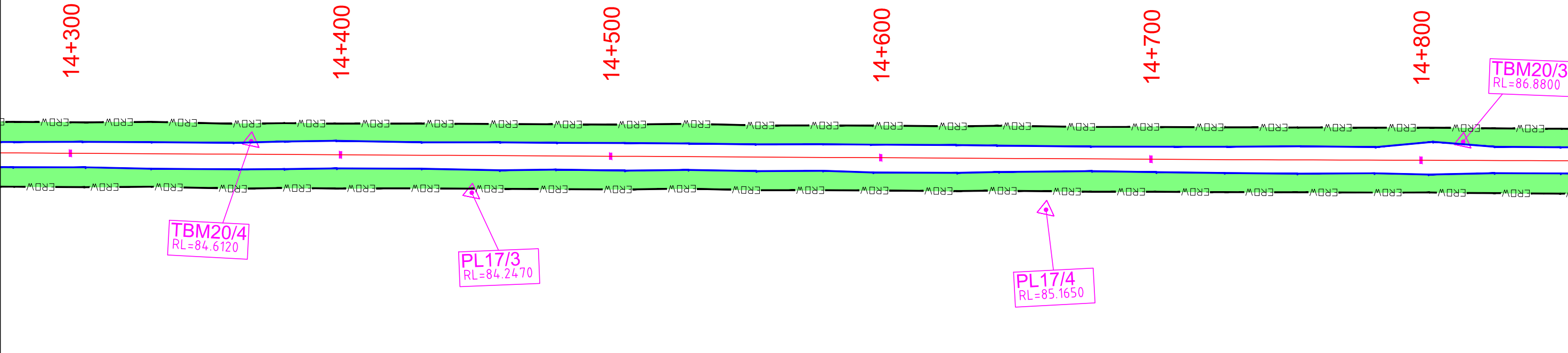
Client : INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :  
DGPS MAP  
13+300 to 14+300

|                             |                       |
|-----------------------------|-----------------------|
| DRAWING NO : 1231580/FFR/13 | SCALE : - HOR: 1:1000 |
| DATE : APRIL-2017           | Revision : R0         |
| DESIGNED (A)                | DRAWN (B)             |
| Checked Kousik              | Anas khan             |
| CHECKED (C)                 | APPROVED (D)          |
| Shantanu                    | R.P.Singh             |

Paper Size A2



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Pillar No. |
| 772788.574               | 2341193.892 | TBM20/4    |
| 772752.008               | 2341269.348 | PL17/3     |
| 772623.170               | 2341438.565 | PL17/4     |
| 772506.473               | 2341542.723 | TBM20/3    |
| 772336.161               | 2341793.667 | PL18/2     |

| LEGEND |                      |
|--------|----------------------|
|        | EROW — Existing ROW  |
|        | Existing Carriageway |
|        | Proposed Center Line |
|        | DGPS/TS Pillar       |
|        | Protected Forests    |
|        | Chainage km          |

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:

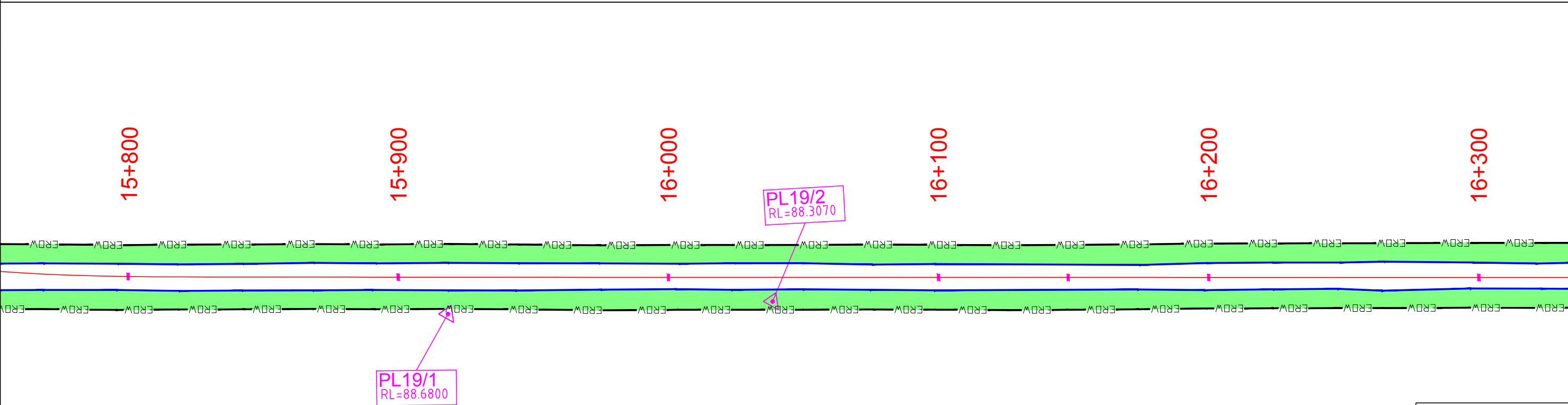
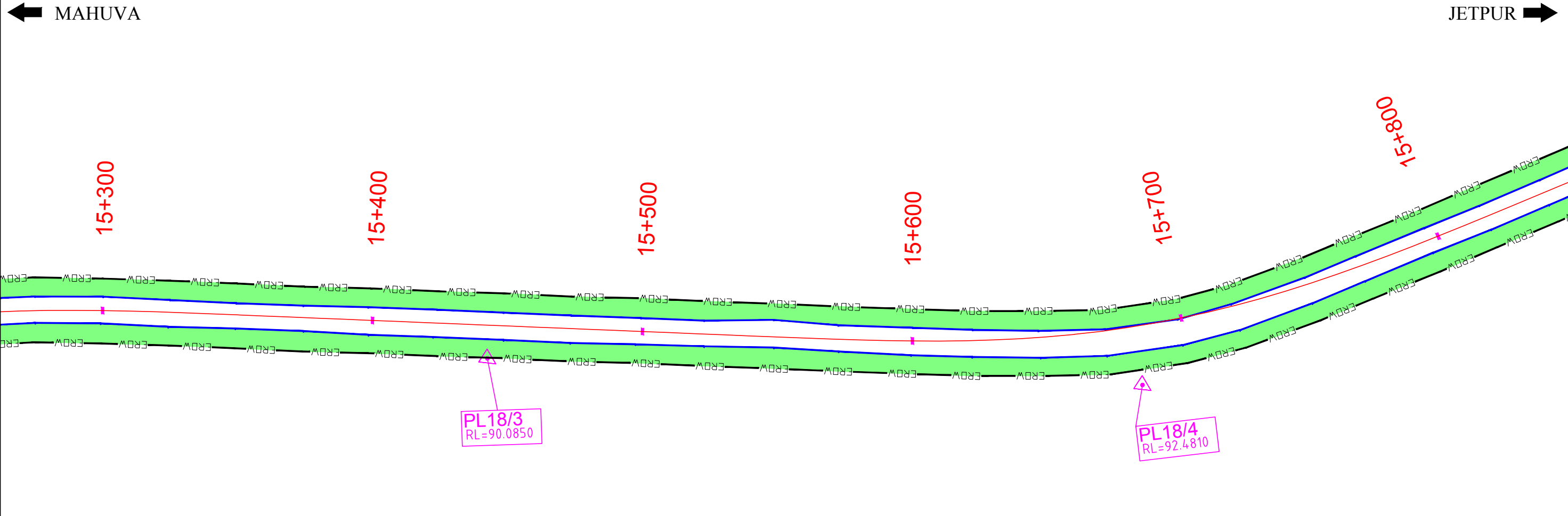
**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
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Email: [info@sainfra.com](mailto:info@sainfra.com)

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :  
DGPS MAP  
14+300 to 15+300

|                                         |                                            |                                            |                                                 |
|-----------------------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------|
| DRAWING NO : 1231580/FFR/14             |                                            | SCALE :- HOR: 1:1000                       |                                                 |
| DATE : APRIL-2017                       | Revision : R0                              | Sheet : 14 of 85                           |                                                 |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas Khan</i><br>Anas Khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Pillar No. |
| 772147.787               | 2342055.678 | PL18/3     |
| 772022.109               | 2342263.304 | PL18/4     |
| 771825.219               | 2342401.614 | PL19/1     |
| 771722.822               | 2342464.768 | PL19/2     |

| LEGEND |                      |
|--------|----------------------|
|        | EROW Existing ROW    |
|        | Existing Carriageway |
|        | Proposed Center Line |
|        | DGPS/TS Pillar       |
|        | Protected Forests    |
|        | Chainage km          |

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:

 **S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
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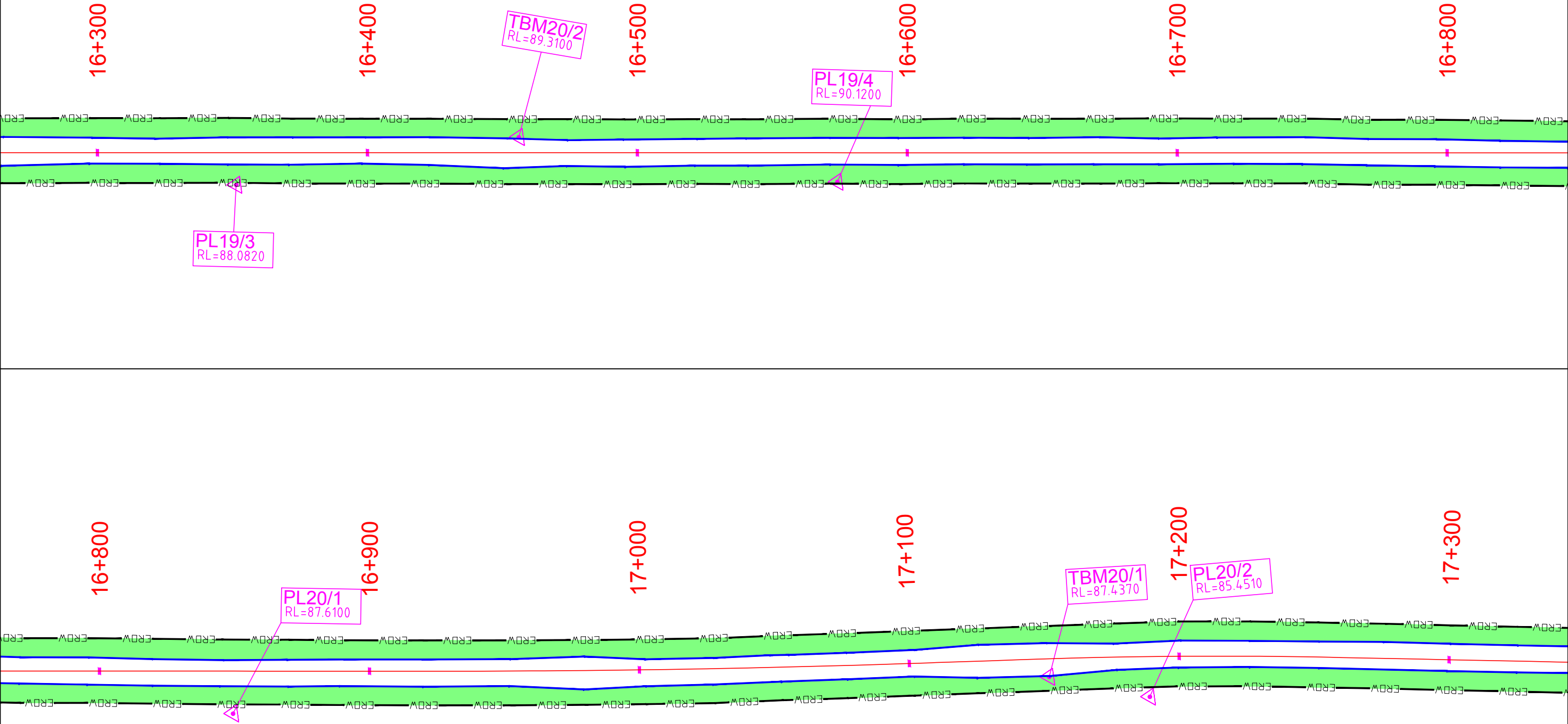
Client :  **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :  
DGPS MAP  
15+300 to 16+300

|                                         |                                            |                                            |                                                 |
|-----------------------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------|
| DRAWING NO : 1231580/FFR/15             |                                            | SCALE :- HOR: 1:1000                       |                                                 |
| DATE : APRIL-2017                       | Revision : R0                              | Sheet : 15 of 85                           |                                                 |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas khan</i><br>Anas khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |

Paper Size A2



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Piller No. |
| 771464.838               | 2342641.667 | PL19/3     |
| 771368.059               | 2342685.321 | TBM20/2    |
| 771279.292               | 2342764.841 | PL19/4     |
| 771053.431               | 2342922.461 | PL20/1     |
| 770794.861               | 2343079.690 | TBM20/1    |
| 770767.974               | 2343106.553 | PL20/2     |

| LEGEND   |                      |
|----------|----------------------|
| — EROW — | Existing ROW         |
| — —      | Existing Carriageway |
| — —      | Proposed Center Line |
| △        | DGPS/TS Piller       |
| ■        | Protected Forests    |
| —        | Chainage km          |

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:



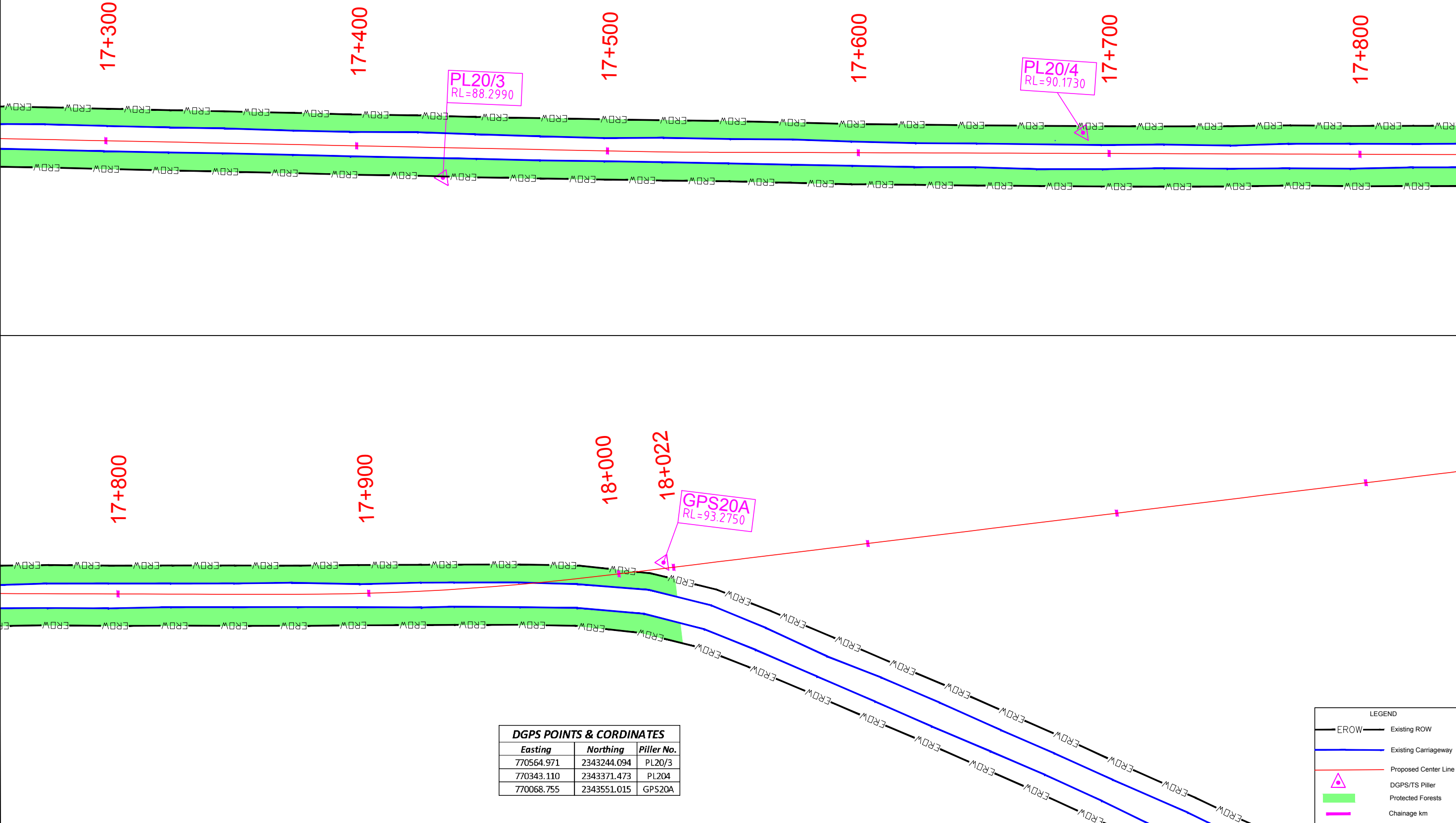
S.A. Infrastructure Consultants Pvt. Ltd.  
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Drawing Title :  
DGPS MAP  
16+300 to 17+300

|                                         |                                            |                                            |                                                 |
|-----------------------------------------|--------------------------------------------|--------------------------------------------|-------------------------------------------------|
| DRAWING NO : 1231580/FFR/16             |                                            | SCALE :- HOR: 1:1000                       |                                                 |
| DATE : APRIL-2017                       | Revision : R0                              | Sheet : 16 of 85                           |                                                 |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas Khan</i><br>Anas Khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu | APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Piller No. |
| 770564.971               | 2343244.094 | PL20/3     |
| 770343.110               | 2343371.473 | PL204      |
| 770068.755               | 2343551.015 | GPS20A     |

LEGEND

— EROW —

Existing ROW

— —

Existing Carriageway

— — —

Proposed Center Line

▲

DGPS/TS Piller

■

Protected Forests

— — —

Chainage km

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |

Consultant:

S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6146000 Fax-0120-6148090  
Email: info@sainfra.com

Client :

INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP  
17+300 to 18+022

DRAWING NO : 1231580/FFR/17

SCALE :- HOR: 1:1000

|                                         |                                            |                                            |
|-----------------------------------------|--------------------------------------------|--------------------------------------------|
| DATE : APRIL-2017                       | Revision : R0                              | Sheet : 17 of 85                           |
| DESIGNED (A)<br><i>Kousik</i><br>Kousik | DRAWN (B)<br><i>Anas Khan</i><br>Anas Khan | CHECKED (C)<br><i>Shantanu</i><br>Shantanu |

|                                                 |
|-------------------------------------------------|
| APPROVED (D)<br><i>R.P. Singh</i><br>R.P. Singh |
|-------------------------------------------------|

Paper Size A2

← MAHUYA

JETPUR ➡

20+239

 $20+300$ 

20+400

20+500

20+600

20+700

20+800

PL24/1  
RL=113.4260

PL23/4  
RL=113.6770

**TBM20/4**  
RL=115.0890

20+800

20+900

21+000

21+100

21+200

21+300

PL24/2  
RL=117.1690

**TBM25/3**  
RL=115.4920

PL24/3  
RL=114.5760

| <b>DGPS POINTS &amp; CORDINATES</b> |                        |                          |
|-------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>               | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 768079.720                          | 2344899.005            | PL23/4                   |
| 767855.609                          | 2344974.979            | PL24/1                   |
| 767869.887                          | 2344996.247            | TBM20/4                  |
| 767620.651                          | 2345110.058            | PL24/2                   |
| 767485.554                          | 2345154.756            | TBM25/3                  |
| 767386.274                          | 2345205.880            | PL24/3                   |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

[illegible]

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-ii, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
|----------|



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

20+239 to 21+300

DRAWING NO : 1231580/FFR/18

DATE : APRIL-2017

DESIGNED (A)

Revision : R0

|           |         |
|-----------|---------|
| DRAWN (B) | CHECKED |
| DATE      | DATE    |

|    |                  |
|----|------------------|
| R0 | Sheet : 18 of 85 |
|----|------------------|

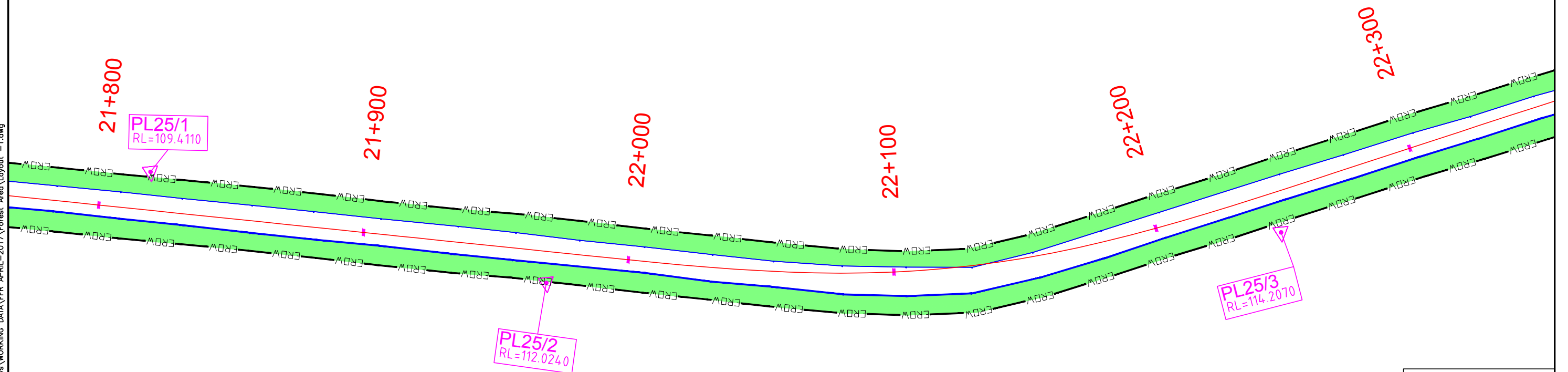
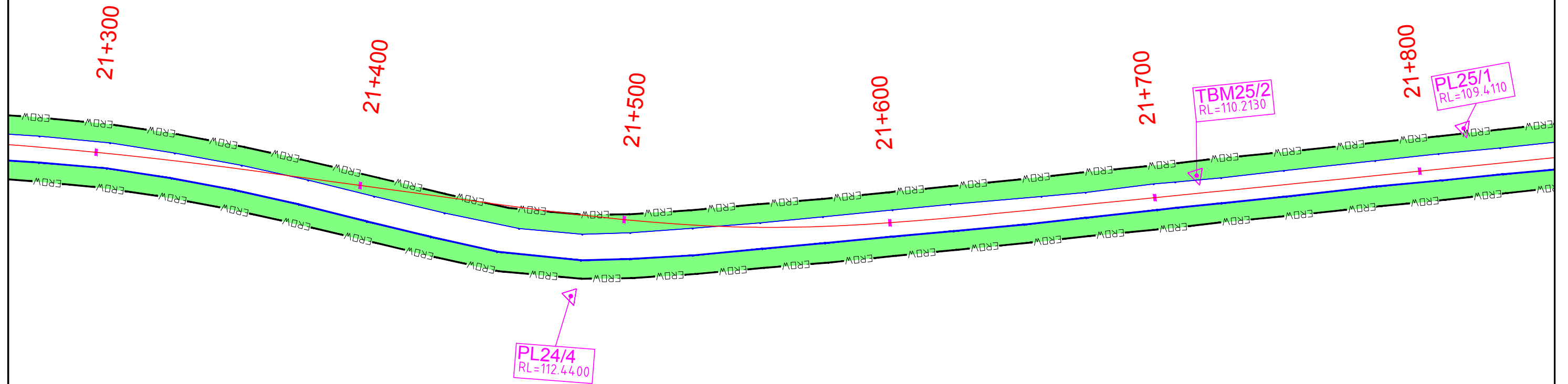
|             |          |
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| CHECKED (C) | APPROVED |
|-------------|----------|

Paper Size A2

DATE: 28/04/2017 - 5:29pm  
PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area/Layout - 1.dwg

← MAHUYA

JETPUR ➡



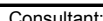
| <b>DGPS POINTS &amp; COORDINATES</b> |                 |                   |
|--------------------------------------|-----------------|-------------------|
| <b>Easting</b>                       | <b>Northing</b> | <b>Pillar No.</b> |
| 767122.187                           | 2345334.013     | PL24/4            |
| 766884.182                           | 2345360.397     | TBM25/2           |
| 766783.086                           | 2345373.159     | PL25/1            |
| 766639.145                           | 2345429.151     | PL25/2            |
| 766362.580                           | 2345437.248     | PL25/3            |

**LEGEND**

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
|  | Existing ROW         |
|  | Existing Carriageway |
|  | Proposed Center Line |
|  | DGPS/TS Pillar       |
|  | Protected Forests    |
|  | Chainage km          |

|     |            |                          |  |          |   |     |
|-----|------------|--------------------------|--|----------|---|-----|
|     |            |                          |  |          |   |     |
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|     |            |                          |  |          |   |     |
|     |            |                          |  |          |   |     |
| RD  | APRIL 2017 | DGPS MAP                 |  | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  | INITIALS |   |     |

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
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Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  <b>INDIAN ACADEMY OF HIGHWAY ENGINEERS</b>                                                                                                                                                                                                                               |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-grading to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundi, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16) |

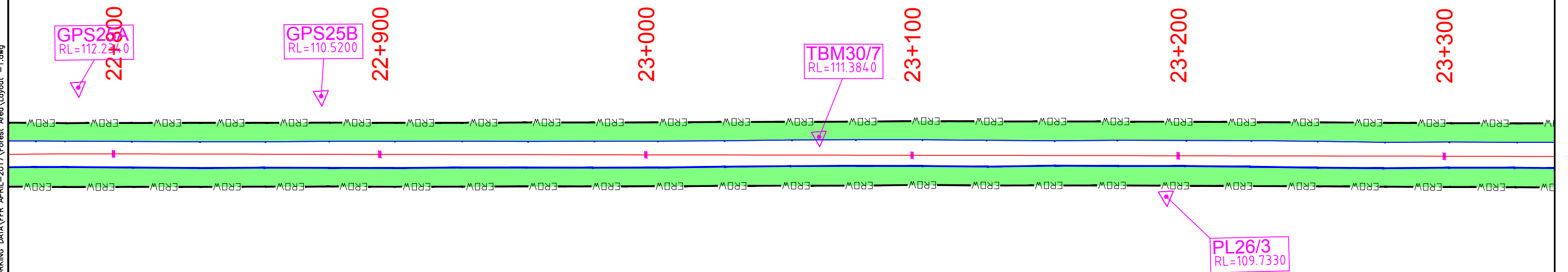
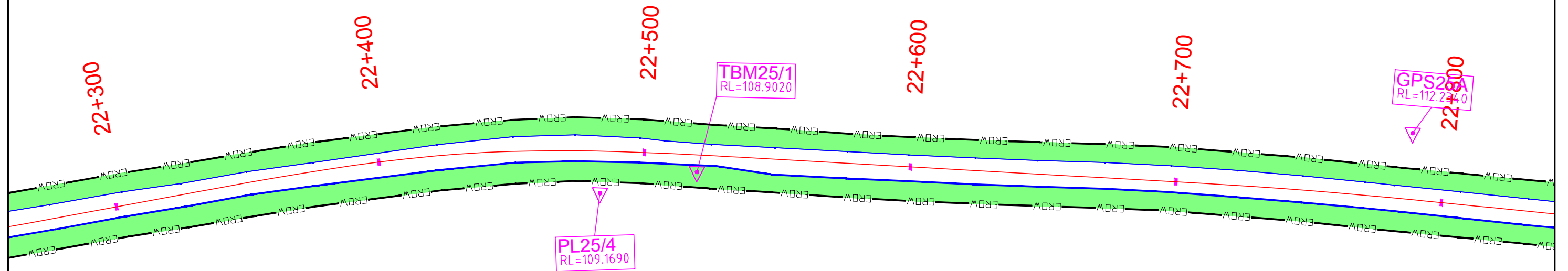
Drawing Title :  
DGPS MAP  
21+300 to 22+300

|                             |                  |               |                       |                  |
|-----------------------------|------------------|---------------|-----------------------|------------------|
| DRAWING NO : 1231580/FFR/19 |                  |               | SCALE : - HOR: 1:1000 |                  |
| DATE : APRIL-2017           |                  | Revision : R0 |                       | Sheet : 19 of 85 |
| DESIGNED (A)                | DRAWN (B)        | CHECKED (C)   | APPROVED (D)          | Paper Size A2    |
| <i>Kousik</i>               | <i>Anas Khan</i> | <i>Sale</i>   | <i>R.P.Singh</i>      |                  |
| Kousik                      | Anas Khan        | Shantanu      | R.P.Singh             |                  |

DATE: 28/04/2017 - 5:29pm  
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout -1.dwg

← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Pillar No.</b> |
| 766130.023                          | 2345399.186     | PL25/4            |
| 766093.880                          | 2345389.974     | TBM25/1           |
| 765825.613                          | 2345366.139     | GPS25A            |
| 765734.746                          | 2345375.194     | GPS25B            |
| 765548.994                          | 2345402.328     | TBM30/7           |
| 765420.263                          | 2345433.021     | PL26/3            |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |  |          |   |     |
|-----|------------|--------------------------|--|----------|---|-----|
|     |            |                          |  |          |   |     |
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|     |            |                          |  |          |   |     |
|     |            |                          |  |          |   |     |
| R0  | APRIL 2017 | DGPS MAP                 |  | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  | INITIALS |   |     |

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.  
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1101A, 11 Floor Tower A-3, Ansal Corporate Park,  
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Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  INDIAN ACADEMY OF HIGHWAY ENGINEERS                                                                                                                                                                                                                                   |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16) |

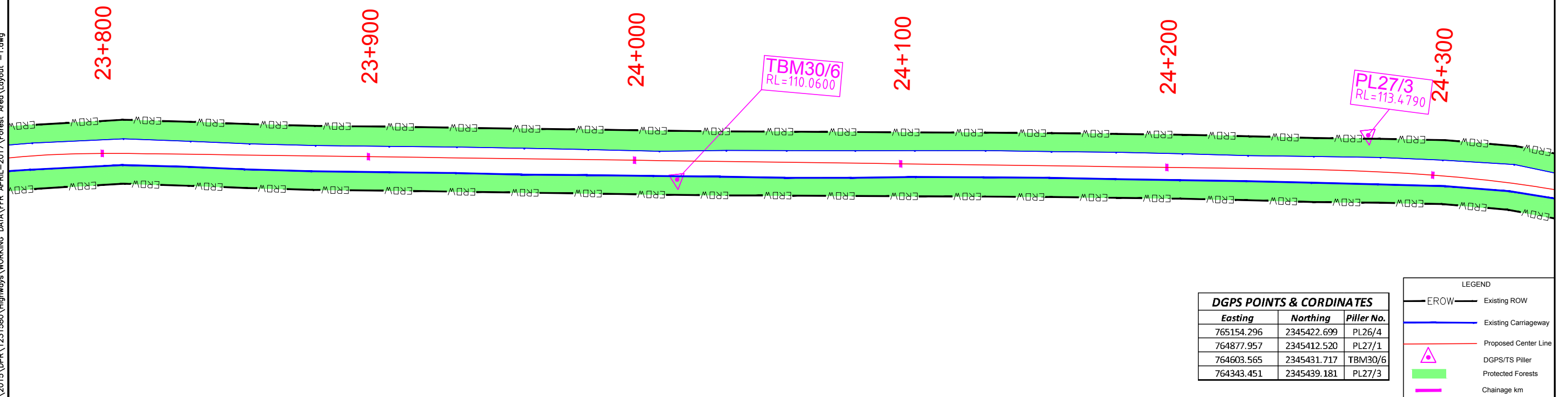
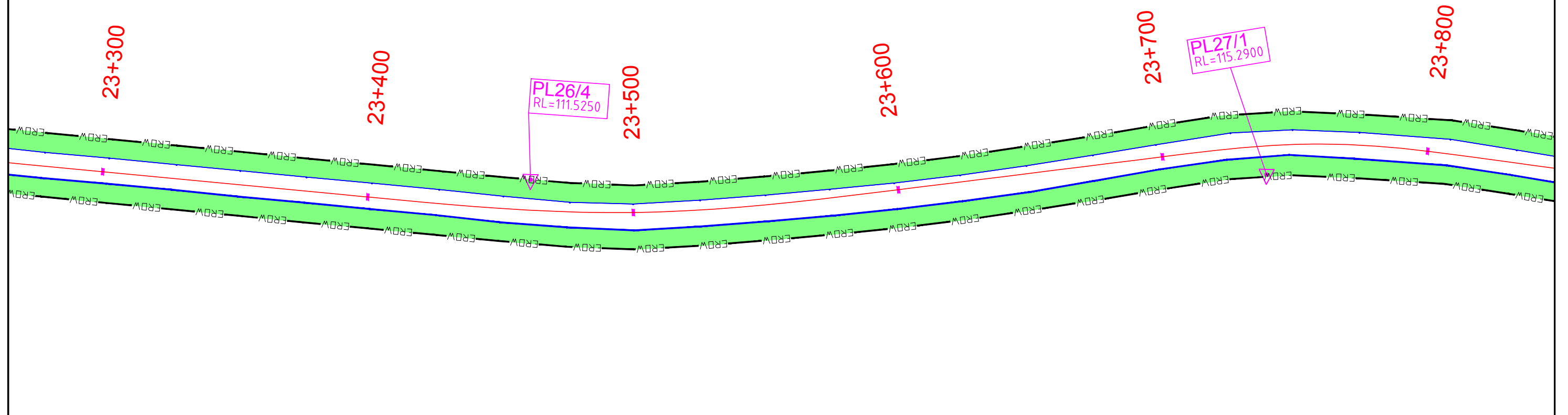
Drawing Title :  
DGPS MAP  
22+300 to 23+300

|                             |           |                      |           |
|-----------------------------|-----------|----------------------|-----------|
| DRAWING NO : 1231580/FFR/20 |           | SCALE :- HOR: 1:1000 |           |
| DATE : APRIL-2017           |           | Revision : R0        |           |
| DESIGNED (A)                |           | CHECKED (C)          |           |
| DRAWN (B)                   |           | APPROVED (D)         |           |
| Kousik                      | Anas khan | Shantanu             | R.P.Singh |
| Kousik                      | Anas khan | Shantanu             | R.P.Singh |

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 PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout - 1.dwg

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JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                        |                          |
|-------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>               | <b><i>Northing</i></b> | <b><i>Piller No.</i></b> |
| 765154.296                          | 2345422.699            | PL26/4                   |
| 764877.957                          | 2345412.520            | PL27/1                   |
| 764603.565                          | 2345431.717            | TBM30/6                  |
| 764343.451                          | 2345439.181            | PL27/3                   |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

[illegible]

Consultant:



**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-4, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  <b>INDIAN ACADEMY OF HIGHWAY ENGINEERS</b>                                                                                                                                                                                                                                        |
| Project: | <p>Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amrell, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NHI/AHE/16)</p> |

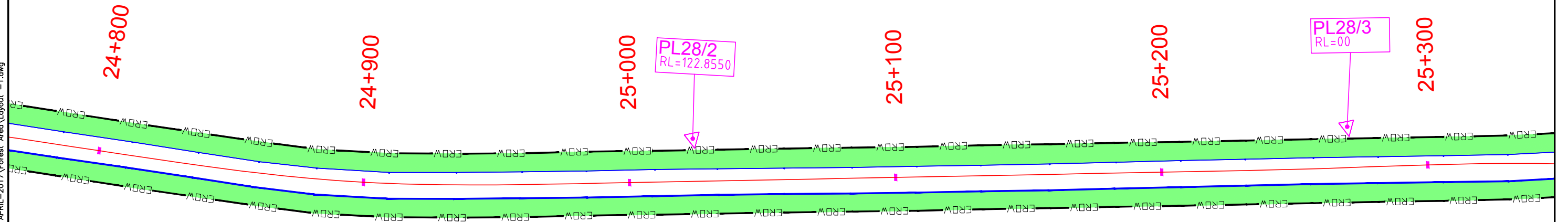
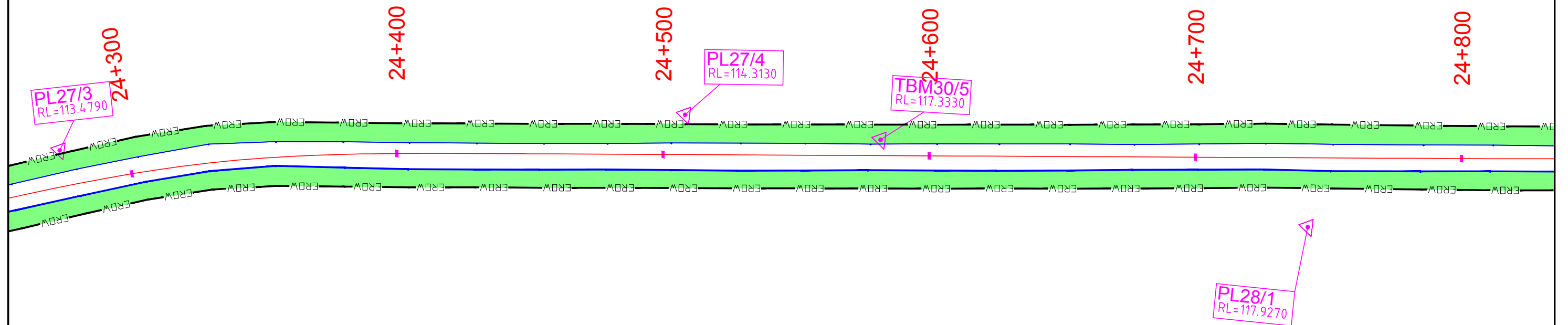
Drawing Title :  
DGPS MAP  
23+300 to 24+300

|                             |           |                       |            |
|-----------------------------|-----------|-----------------------|------------|
| DRAWING NO : 1231580/FFR/21 |           | SCALE : - HOR: 1:1000 |            |
| DATE : APRIL-2017           |           | Revision : R0         |            |
| DESIGNED (A)                |           | CHECKED (C)           |            |
| Kousik                      | ANAS KHAN | SHANTANU              | R.P. SINGH |
| Kousik                      | ANAS KHAN | SHANTANU              | R.P. SINGH |

DATE: 28/04/2017 - 5:30pm  
 PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout -1.dwg

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JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                        |                          |
|-------------------------------------|------------------------|--------------------------|
| <b><i>Easting</i></b>               | <b><i>Northing</i></b> | <b><i>Pillar No.</i></b> |
| 764116.965                          | 2345503.321            | PL27/4                   |
| 764050.650                          | 2345536.171            | TBM30/5                  |
| 763909.649                          | 2345619.562            | PL28/1                   |
| 763626.761                          | 2345651.356            | PL28/2                   |
| 763384.373                          | 2345692.962            | PL28/3                   |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |          |   |     |
|-----|------------|--------------------------|----------|---|-----|
|     |            |                          |          |   |     |
|     |            |                          |          |   |     |
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|     |            |                          |          |   |     |
|     |            |                          |          |   |     |
|     |            |                          |          |   |     |
| RD  | APRIL 2017 | DGPS MAP                 | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |     |

Consultant:

 **S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
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Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  INDIAN ACADEMY OF HIGHWAY ENGINEERS                                                                                                                                                                                                                                        |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NHI/AHE/16) |

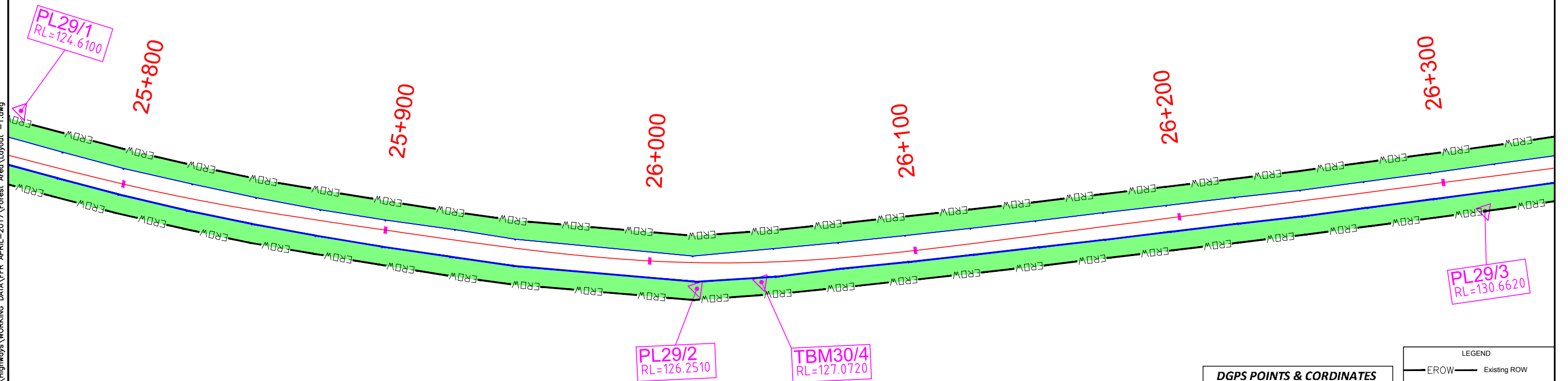
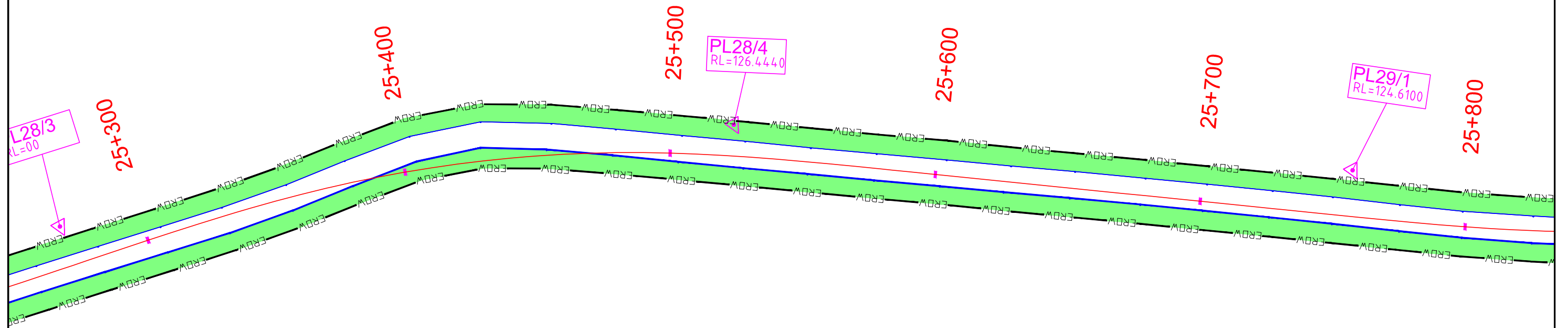
Drawing Title :  
DGPS MAP  
24+300 to 25+300

|                             |           |               |                      |               |
|-----------------------------|-----------|---------------|----------------------|---------------|
| DRAWING NO : 1231580/FFR/22 |           |               | SCALE :- HOR: 1:1000 |               |
| DATE : APRIL -2017          |           | Revision : R0 | Sheet : 22 of 85     | Paper Size A2 |
| DESIGNED (A)                | DRAWN (B) | CHECKED (C)   | APPROVED (D)         |               |
| Kousik                      | Anos khan | Shantanu      | R.P.Singh            |               |
| Kousik                      | Anos khan | Shantanu      | R.P.Singh            |               |

DATE: 28/04/2017 - 5:31pm  
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area/Layout -1.dwg

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JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Pillar No.</b> |
| 763141.835                          | 2345775.093     | PL28/4            |
| 762943.055                          | 2345896.858     | PL29/1            |
| 762723.063                          | 2346040.270     | PL29/2            |
| 762699.265                          | 2346045.574     | TBM30/4           |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |  |          |       |
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|     |            |                          |  |          |       |
|     |            |                          |  |          |       |
| RD  | APRIL 2017 | DGPS MAP                 |  | A        | B C D |
| REV | DATE       | DESCRIPTION OF REVISIONS |  | INITIALS |       |

Consultant:

 S.A. Infrastructure Consultants Pvt. Ltd.  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT. LTD.  
1101A, 7<sup>th</sup> Floor, Tower A-11, Ansal Corporate Park,  
Plot No. 7A/1, Sector 142, Noida-201301 (Uttar Pradesh)  
Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |                                                                                                                                                                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  INDIAN ACADEMY OF HIGHWAY ENGINEERS                                                                                                                                                                                                                                        |
| Project: | Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkunda, Amrell, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16) |

Drawing Title :  
DGPS MAP  
25+300 to 26+300

|                             |                        |                       |                        |
|-----------------------------|------------------------|-----------------------|------------------------|
| DRAWING NO : 1231580/FFR/23 |                        | SCALE : - HOR: 1:1000 |                        |
| DATE : APRIL-2017           |                        | Revision : R0         |                        |
| DESIGNED (A)                |                        | Sheet : 23 of 85      |                        |
| DRAWN (B)                   |                        | CHECKED (C)           |                        |
| APPROVED (D)                |                        |                       |                        |
| Kousik<br>Kousik            | Anas khan<br>Anas khan | Shantanu<br>Shantanu  | R.P.Singh<br>R.P.Singh |

---

Paper Size A4

DATE: 28/04/2017 - 5:31pm  
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FFR APRIL-2017\Forest Area\Layout - 1.dwg

← MAHUYA

JETPUR ➡

26+300

26+400

26+500

26+600

 $26+700$ 
$$26 + 900 = 926$$

BM30/3  
=129.7420

PL29/3  
RL=130.6620

PL29/4  
RL=131.4030

PL30/1  
RL=129.7020

264900

26+900

27+000

 $27+100$ 

27+200

PL30/3  
RL=129.1730

 $27+300$ 

PL30/1  
RI = 129.7020

TBM30/2  
RL=130.6070

| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Pillar No.</b> |
| 762432.889                          | 2346105.869     | PL29/3            |
| 762192.074                          | 2346152.325     | PL29/4            |
| 761949.803                          | 2346176.035     | TBM30/3           |
| 761946.221                          | 2346200.503     | PL30/1            |
| 761685.007                          | 2346218.894     | PL30/2            |
| 761455.831                          | 2346261.020     | PL30/3            |

**LEGEND**

- EROW — Existing ROW
- Existing Carriageway
- Proposed Center Line
- △ DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |          |   |     |
|-----|------------|--------------------------|----------|---|-----|
|     |            |                          |          |   |     |
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|     |            |                          |          |   |     |
|     |            |                          |          |   |     |
| R0  | APRIL 2017 | DGPS MAP                 | A        | B | C D |
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |     |

Consultant:



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Phone No- 0120-6148000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

|          |
|----------|
| Client : |
|----------|



INDIAN ACADEMY OF HIGHWAY ENGINEERS

Project:

Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two/four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

26+300 to 27+300

DRAWING NO : 1231580/FFR/24

|                   |
|-------------------|
| DATE : APRIL-2017 |
|-------------------|

DESIGNED

Kousik

FFR/24

Revision : R0

DRAWN (B)

Anas khan

SCALE : - HOR: 1:1000

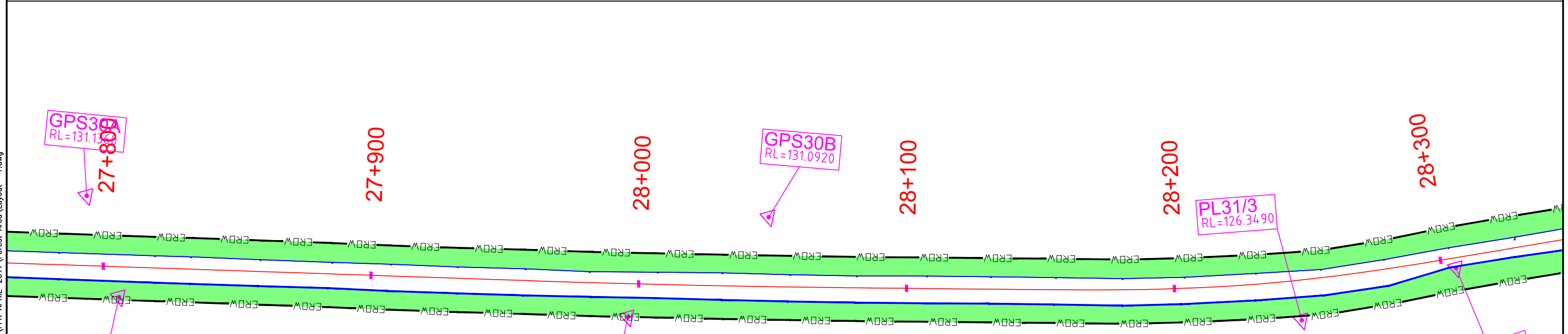
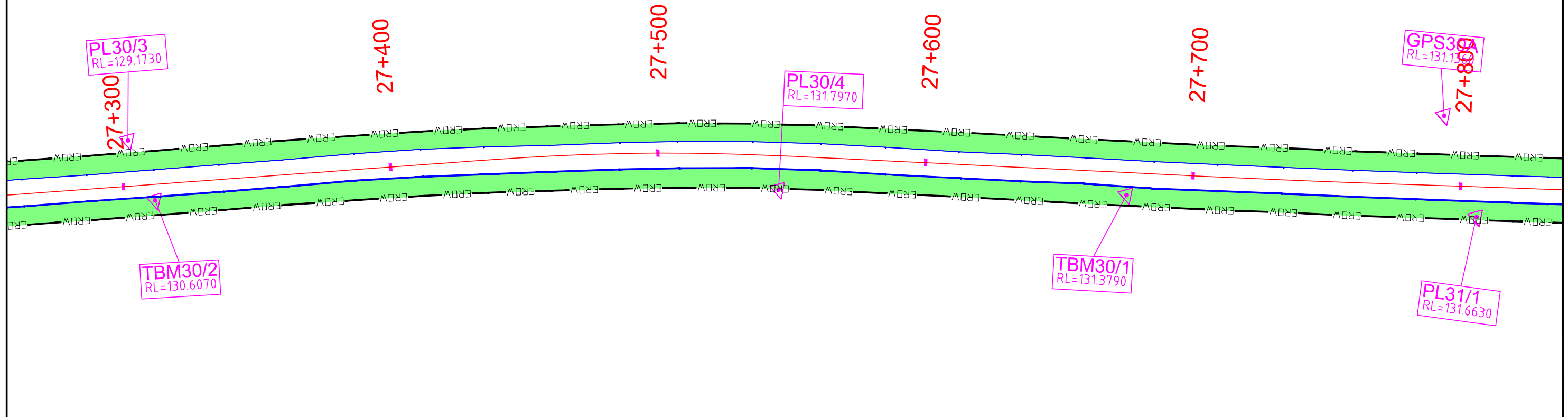
Sheet : 24 of 85

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| ED (C) | AP |
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DATE: 28/04/2017 - 5:31pm  
PATH: Y:\HIGHWAY\2015\DRP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area/Layout -1.dwg



| DGPS POINTS & CORDINATES |             |            |
|--------------------------|-------------|------------|
| Easting                  | Northing    | Pillar No. |
| 761455.831               | 2346261.020 | PL30/3     |
| 761451.765               | 2346285.228 | TBM30/2    |
| 761225.839               | 2346341.220 | PL30/4     |
| 761100.804               | 2346376.619 | TBM30/1    |
| 760978.606               | 2346378.580 | GPS30A     |
| 760976.690               | 2346418.197 | PL31/1     |
| 760795.093               | 2346474.350 | PL31/2     |
| 760734.629               | 2346451.746 | GPS30B     |
| 760491.560               | 2346536.168 | TBM35/2    |
| 760552.221               | 2346540.197 | PL31/3     |

| LEGEND |                      |
|--------|----------------------|
|        | EROW — Existing ROW  |
|        | Existing Carriageway |
|        | Proposed Center Line |
|        | DGPS/TS Pillar       |
|        | Protected Forests    |
|        | Chainage km          |

DATE: 28/04/2017 - 5:32pm  
PATH: Y:\HIGHWAY\2015\DPFR\1231580\Highways\WORKING DATA\FFR\APRIL-2017\Forest Area\Layout -1.dwg

| REV | DATE | DESCRIPTION OF REVISIONS | INITIALS |
|-----|------|--------------------------|----------|
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |
|     |      |                          |          |

Consultant:

**S.A. Infrastructure Consultants Pvt. Ltd.**  
IN ASSOCIATION WITH UPHAM INTERNATIONAL CORPORATION PVT LTD.  
1101A, 11 Floor Tower A-II, Ansal Corporate Park,  
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Phone No- 0120-6146000 Fax-0120-6148090  
Email: [info@sainfra.com](mailto:info@sainfra.com)

Client : **INDIAN ACADEMY OF HIGHWAY ENGINEERS**

Project: Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-gradation to two-four lane with paved shoulders configuration (NH-351, Junction with NH-51 near Mahuva-Savarkundla, Amreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)

Drawing Title :

DGPS MAP

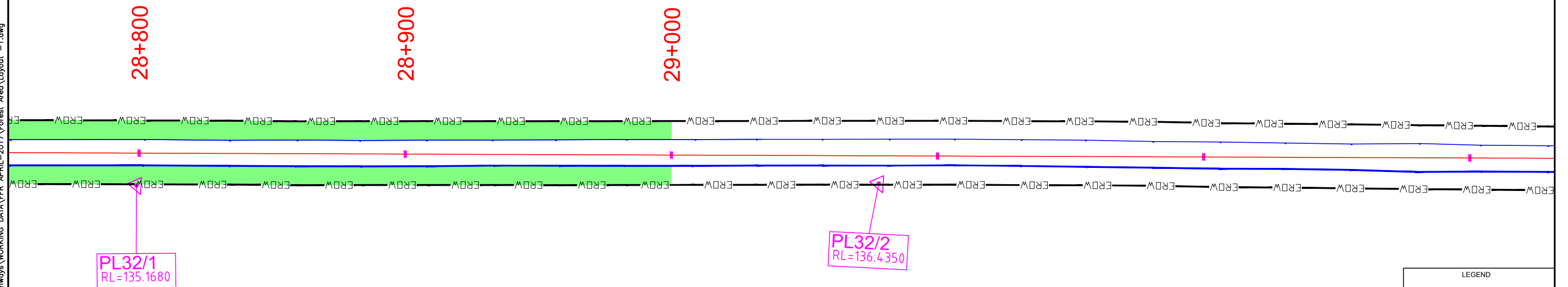
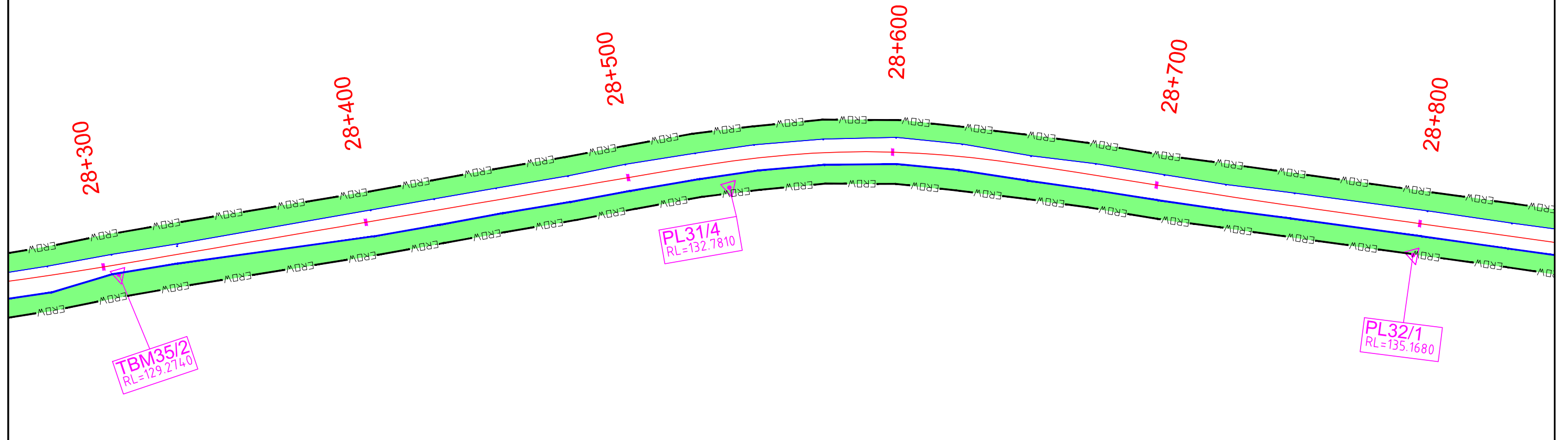
27+300 to 28+300

|                             |           |                      |              |
|-----------------------------|-----------|----------------------|--------------|
| DRAWING NO : 1231580/FFR/25 |           | SCALE :- HOR: 1:1000 |              |
| DATE : APRIL-2017           |           | Revision : R0        |              |
| DESIGNED (A)                | DRAWN (B) | CHECKED (C)          | APPROVED (D) |
|                             |           |                      |              |
| Kousik                      | Anas Khan | Shantanu             | R.P.Singh    |

Paper Size A2

← MAHUYA

JETPUR ➡



| <b>DGPS POINTS &amp; CORDINATES</b> |                 |                   |
|-------------------------------------|-----------------|-------------------|
| <b>Easting</b>                      | <b>Northing</b> | <b>Pillar No.</b> |
| 760491.560                          | 2346536.168     | TBM35/2           |
| 760261.478                          | 2346563.606     | PL31/4            |
| 760019.800                          | 2346654.246     | PL32/1            |

**LEGEND**

- Existing ROW
- Existing Carriageway
- Proposed Center Line
- DGPS/TS Pillar
- Protected Forests
- Chainage km

|     |            |                          |          |   |   |   |
|-----|------------|--------------------------|----------|---|---|---|
| REV | DATE       | DESCRIPTION OF REVISIONS | INITIALS |   |   |   |
| RO  | APRIL 2017 | DGPS MAP                 | A        | B | C | D |

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|          |                                                                                                                                                                                                                                                                                                                                                                        |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Client : |  <b>INDIAN ACADEMY OF HIGHWAY ENGINEERS</b>                                                                                                                                                                                                                                       |
| Project: | <p>Consultancy Services for project management phase-1 including preparation of detailed project report of selected stretches/corridors of national highways for up-grade/road to twofour lane with paved shoulders configuration NH-351, Junction with NH-51 near Mahuva-Savarkunda, Anreli, Bagasara-Jetpur on NH-27 in state of Gujarat Package no. NH/IAHE/16)</p> |

Drawing Title :  
GPS MAP  
8+300 to 29+000

|                             |           |               |                       |                  |
|-----------------------------|-----------|---------------|-----------------------|------------------|
| DRAWING NO : 1231580/FFR/26 |           |               | SCALE : - HOR: 1:1000 |                  |
| DATE : APRIL-2017           |           | Revision : R0 |                       | Sheet : 26 of 85 |
| DESIGNED (A)                | DRAWN (B) | CHECKED (C)   | APPROVED (D)          | Paper Size A2    |
| Kousik                      | Anas Khan | Shantanu      | R.P. Singh            |                  |
| Kousik                      | Anas Khan | Shantanu      | R.P. Singh            |                  |

DATE: 28/04/2017 - 5:32pm  
PATH: Y:\HIGHWAY\2015\DP\1231580\Highways\WORKING DATA\FR APRIL-2017\Forest Area\Layout - 1.dwg