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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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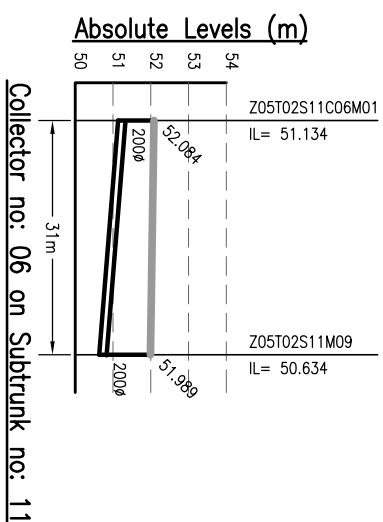
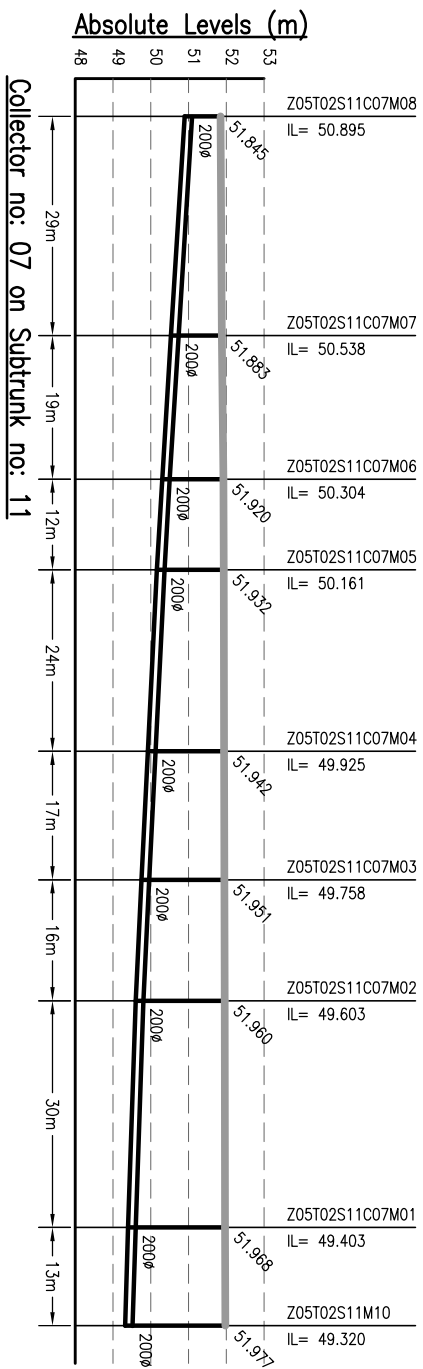
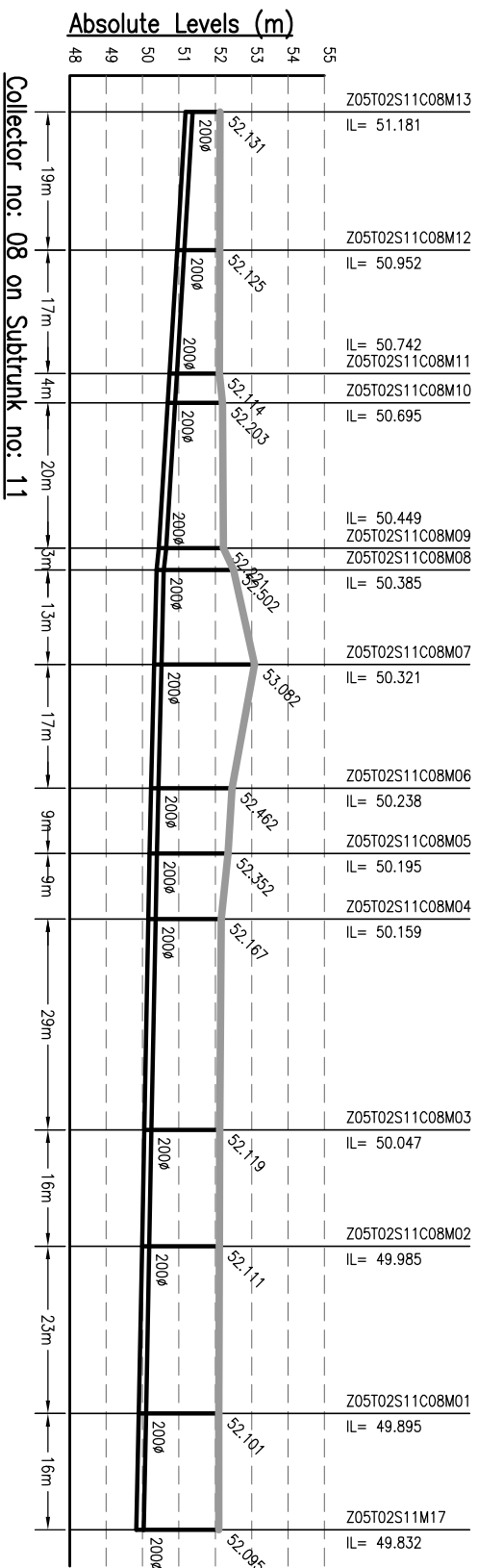
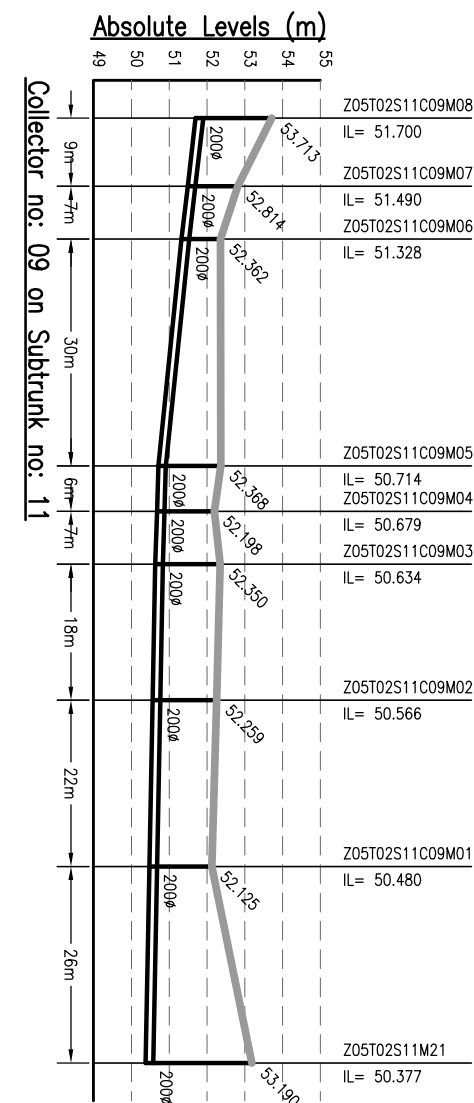
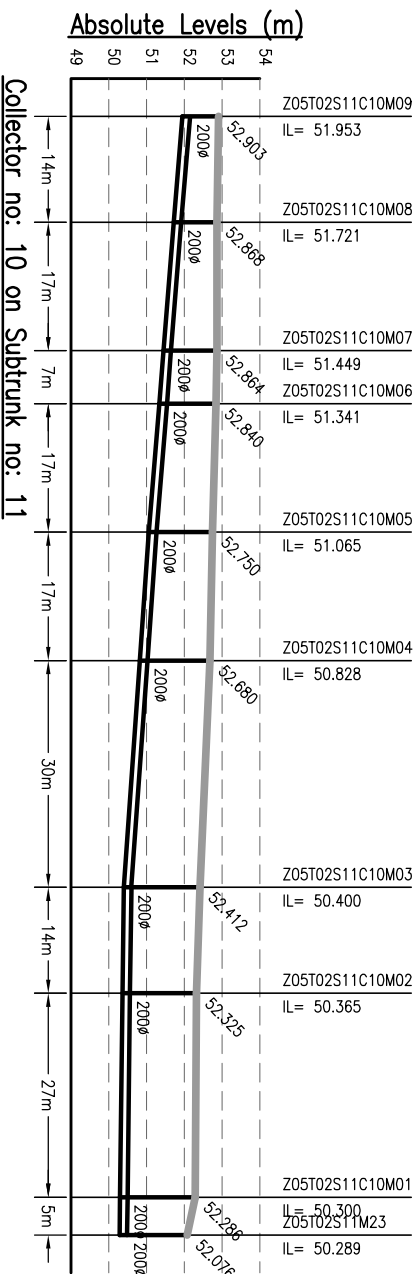
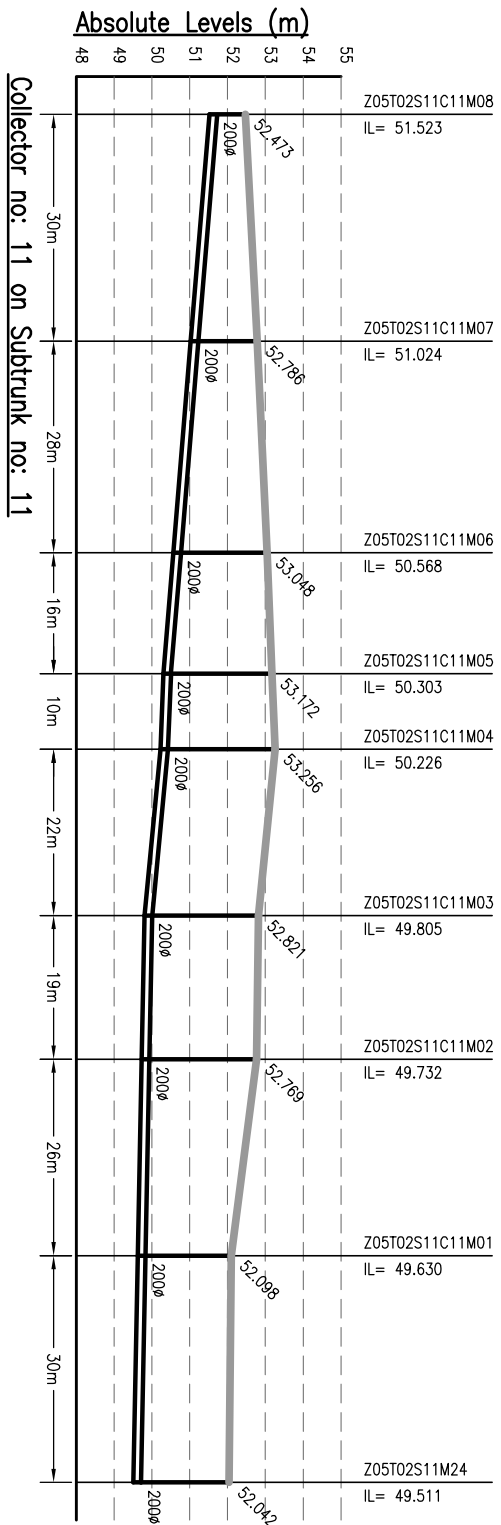
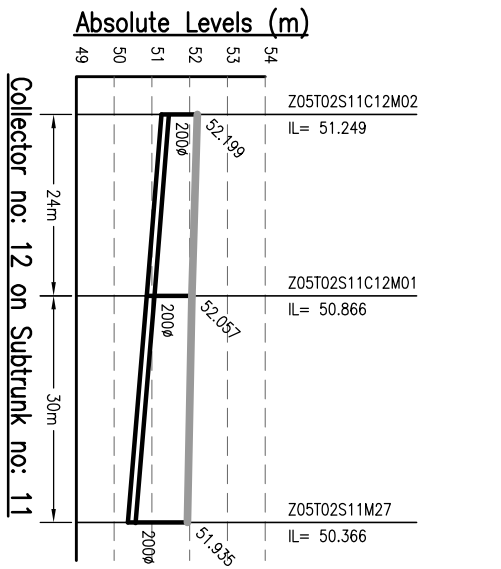


**MEINHARDT**  
 URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
 BIHAR  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

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 www.meinhardtgroup.com, Email: info@meinhardtindia.com

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 6 OF 13)

DISCIPLINE	DATE	REVISION
PH	Z5-12-C-06	00



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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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 Website: [www.buidc.com](http://www.buidc.com), Email: [info@meinhardtdia.com](mailto:info@meinhardtdia.com)

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
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CONSULTANT:-

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 www.meinhardtdia.com, Email:- [info@meinhardtdia.com](mailto:info@meinhardtdia.com)

**DRAWING TITLE**  
 SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-2 (SPS-B) (PART - 7 OF 13)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200  
**SHEET SIZE** : A3

**DATE OF FIRST ISSUE**  
 MAY 2013

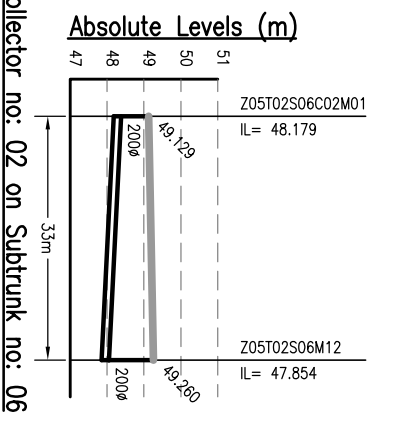
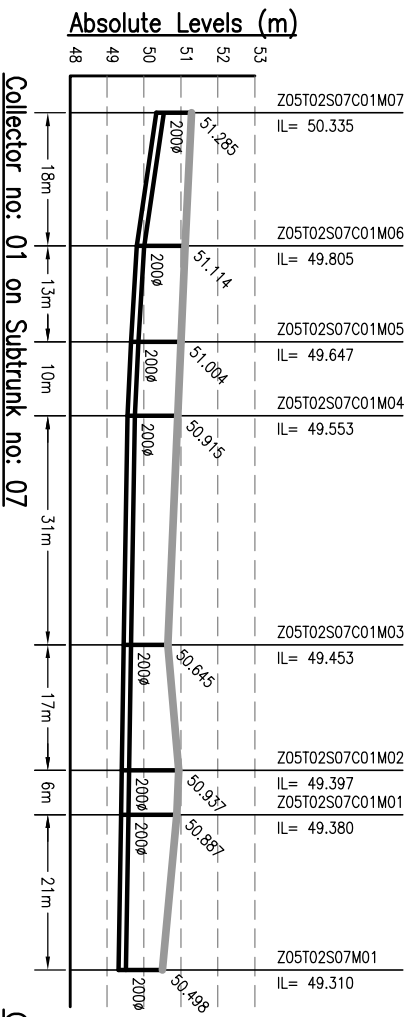
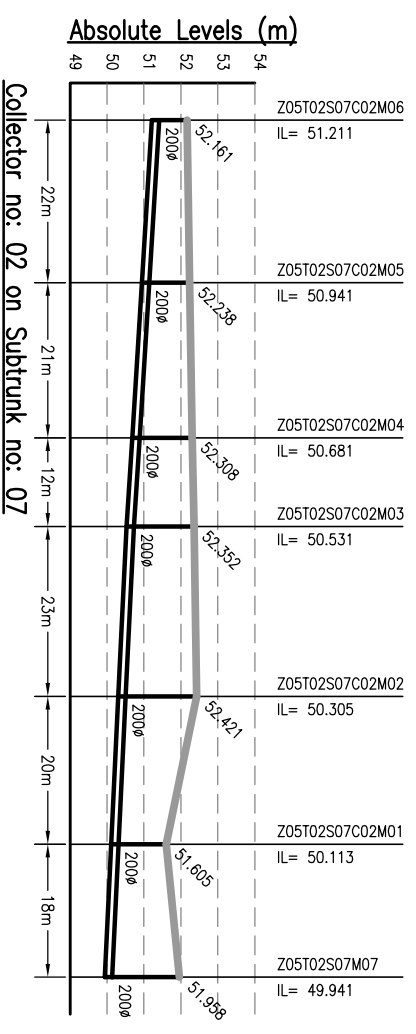
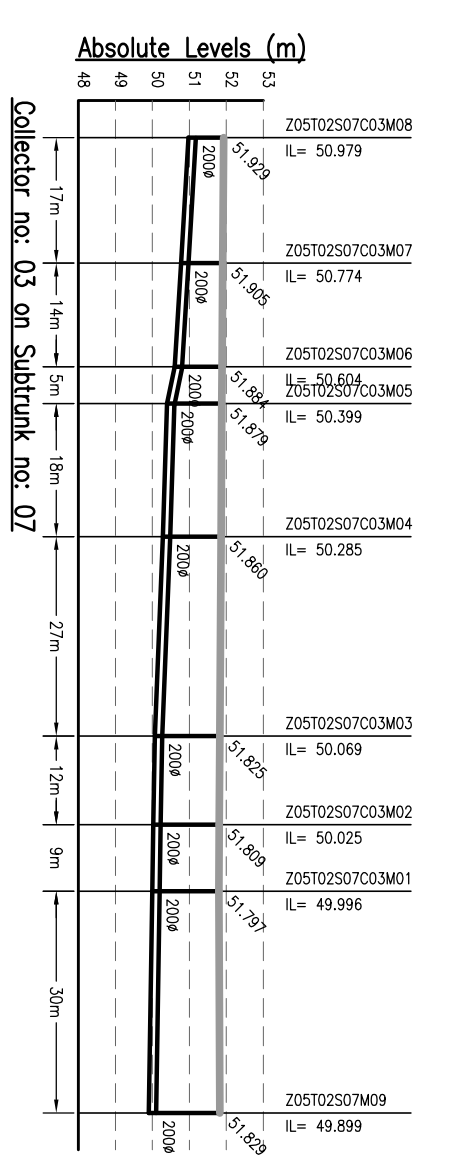
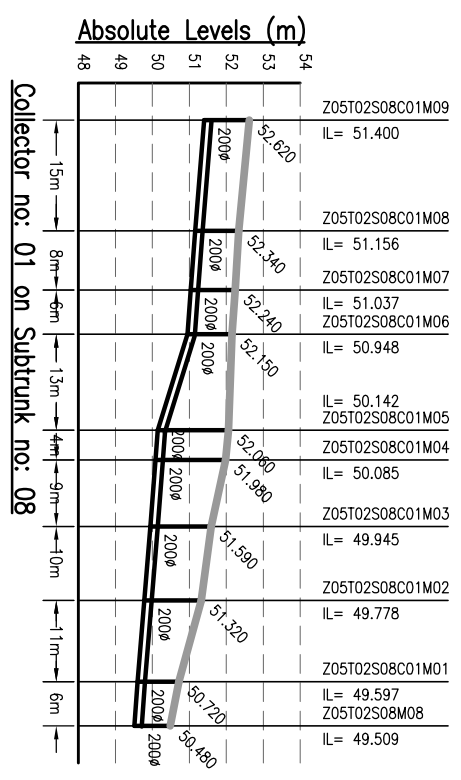
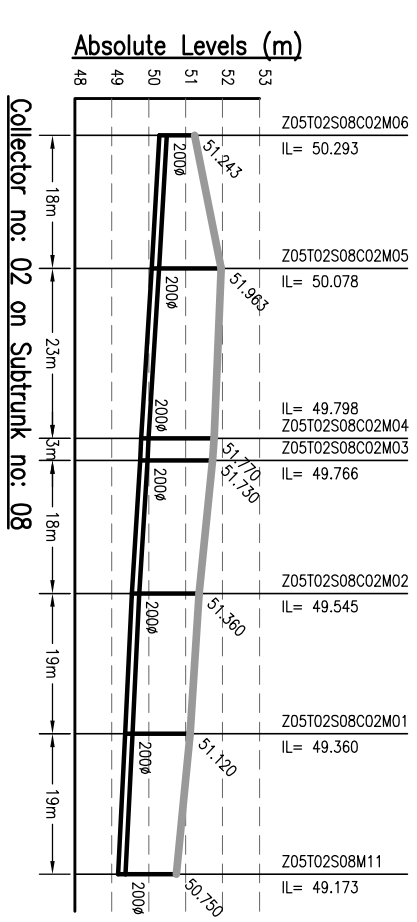
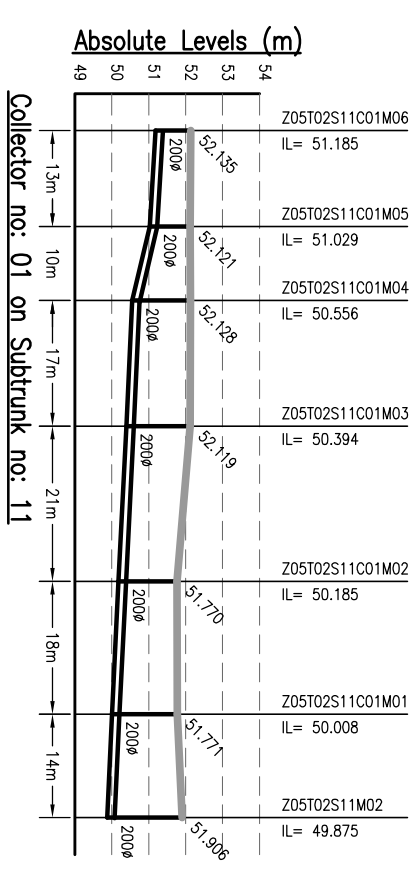
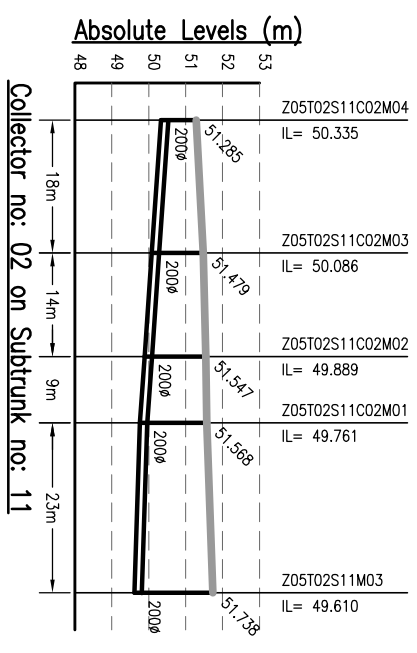
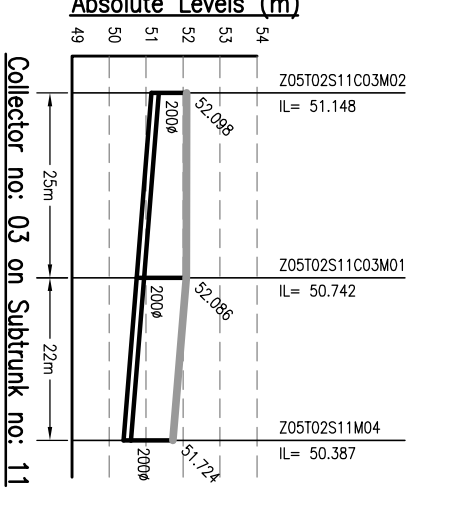
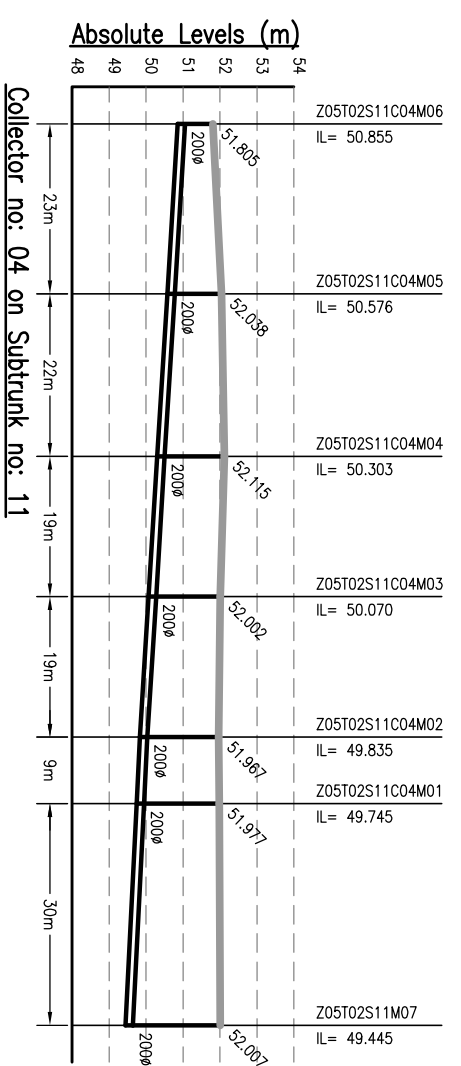
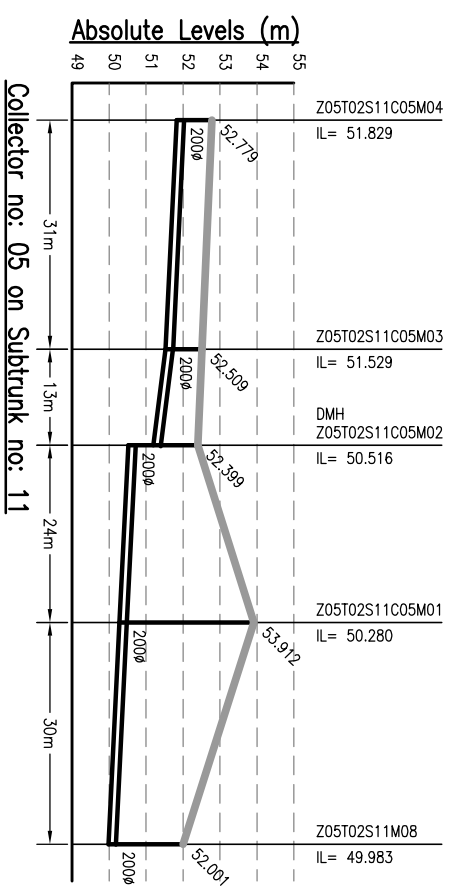
**DRAWN** : AH  
 MAY 2013

**DESIGNED** : JR  
 MAY 2013

**CHECKED** : RP  
 MAY 2013

**APPROVED** : CRR  
 MAY 2013

**JOB NO.** : 1092.01  
**DISCIPLINE** : PH  
**DRAWING NO.** : Z5-12-C-07  
**REVISION** : 00



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Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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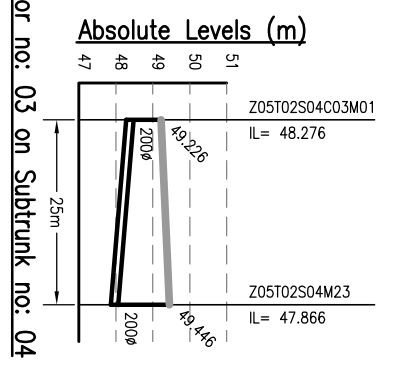
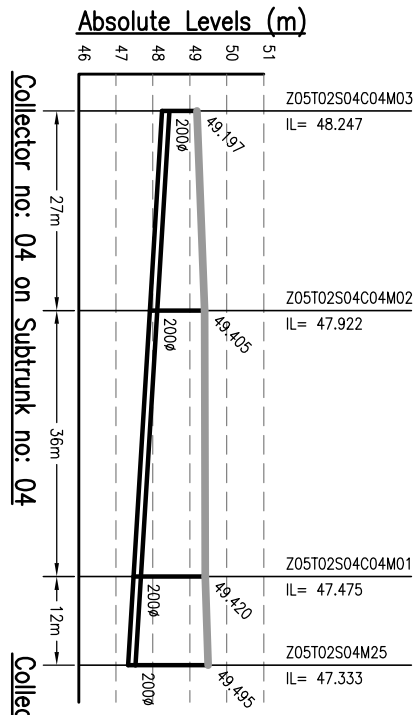
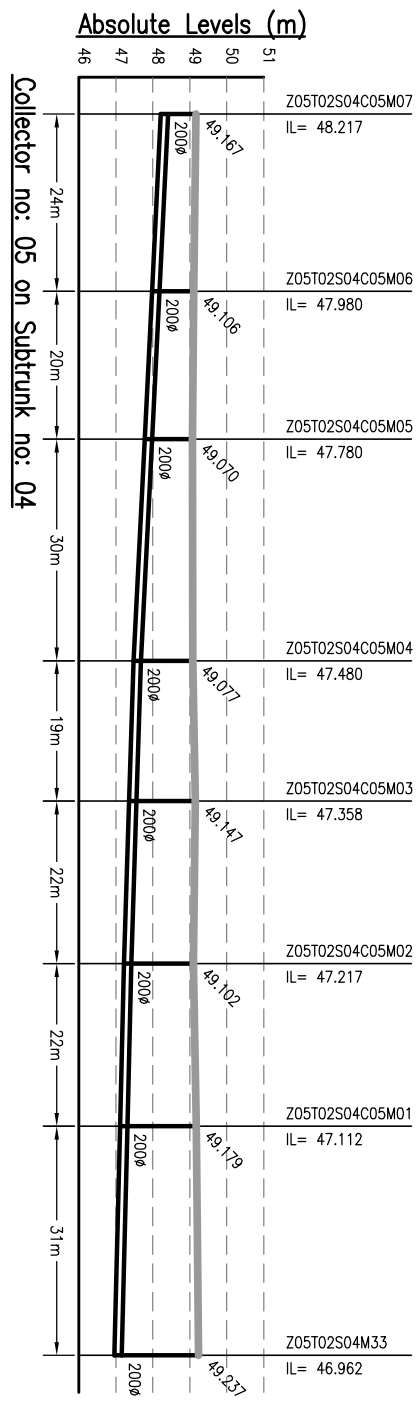
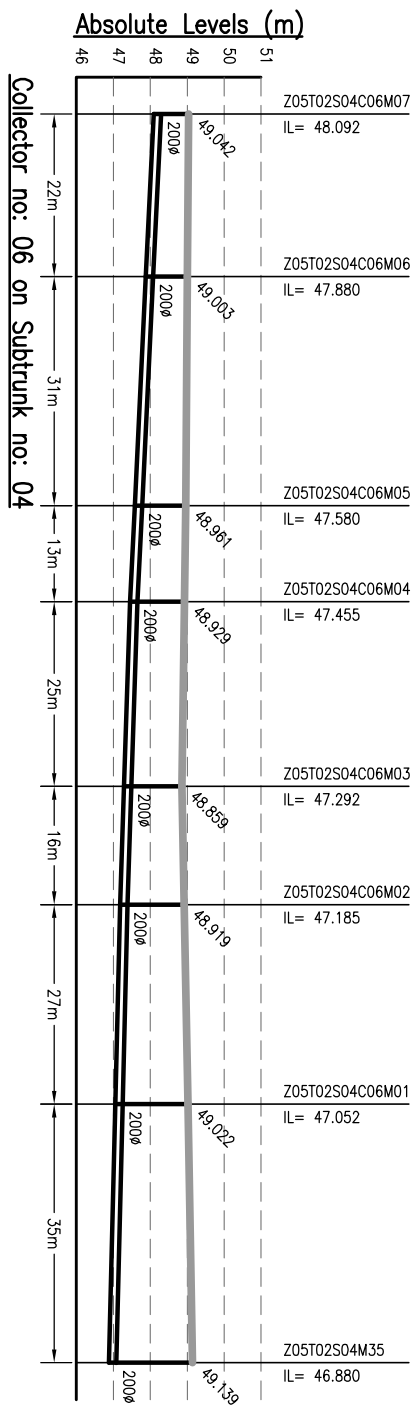
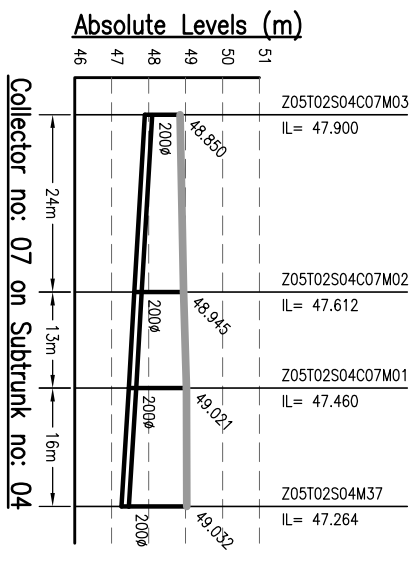
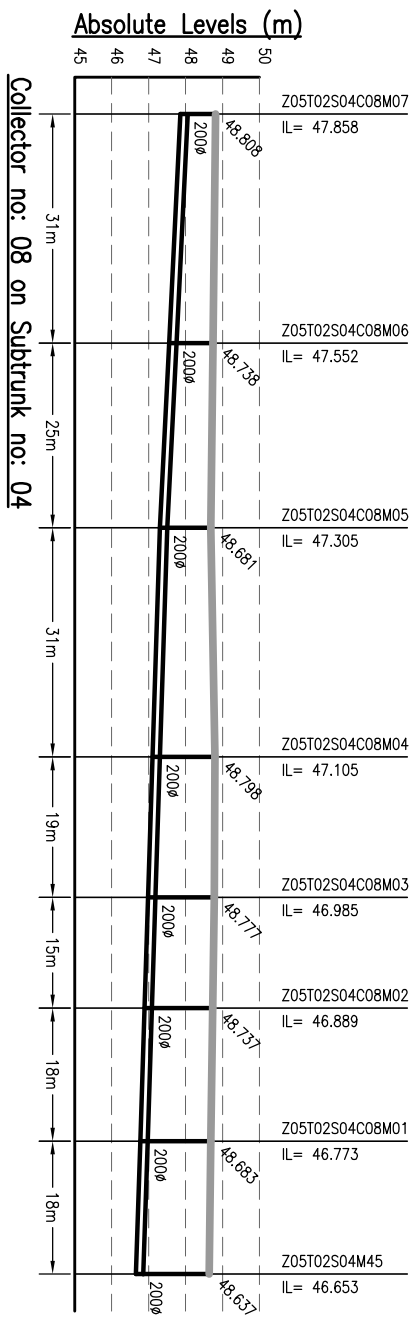
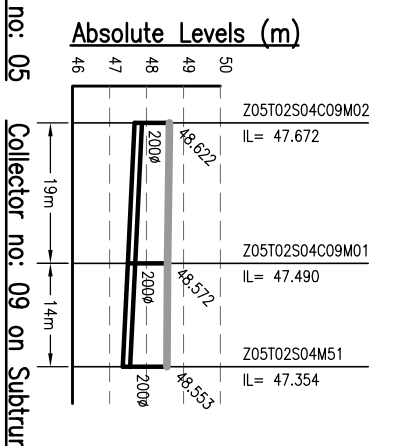
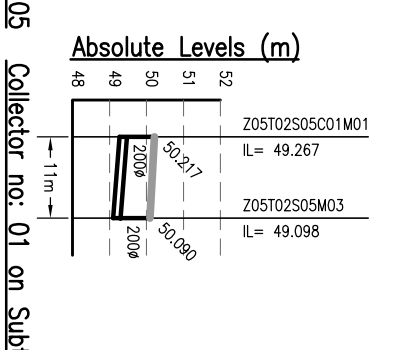
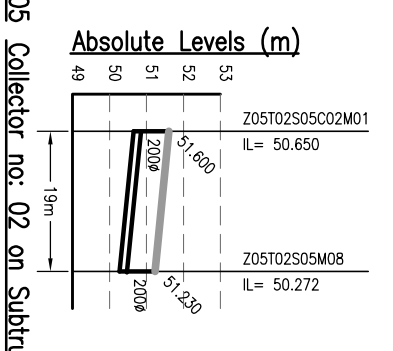
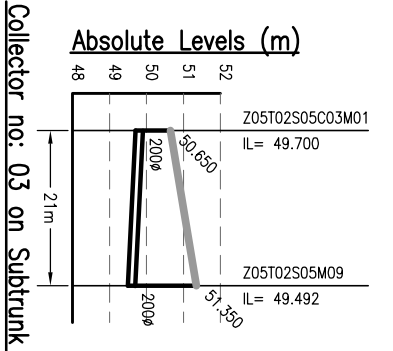
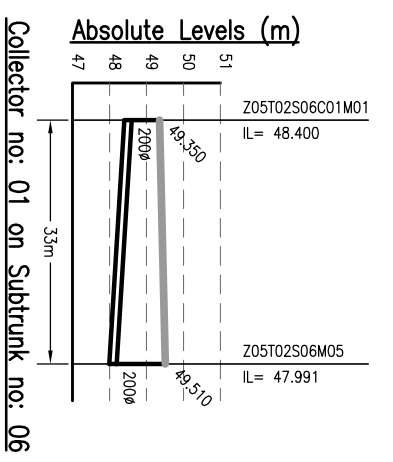
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**DRAWING TITLE**  
**L-SECTION OF COLLECTOR ZONE-5, TRUNK-2 (SPS-B)**

DISCIPLINE	NO.	DATE	REVISION
PH	Z5-12-C-08	MAY 2013	00






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Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**


REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**CLIENT:-**  
  
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**PROJECT:-**  
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 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
  
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 www.meinhardtgroup.com, Email: mh@meinhardtdh.com

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 9 OF 13)

**SCALE:-** H-1000, V-200

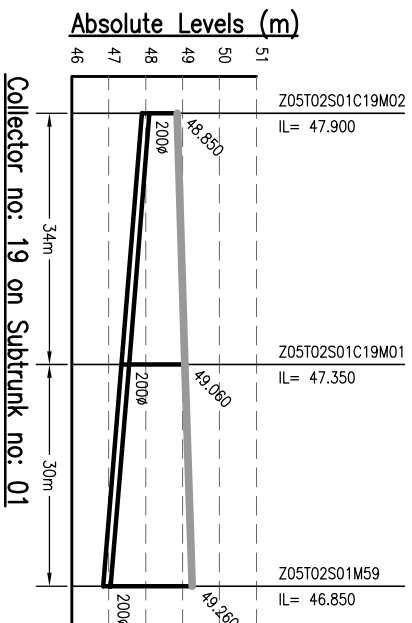
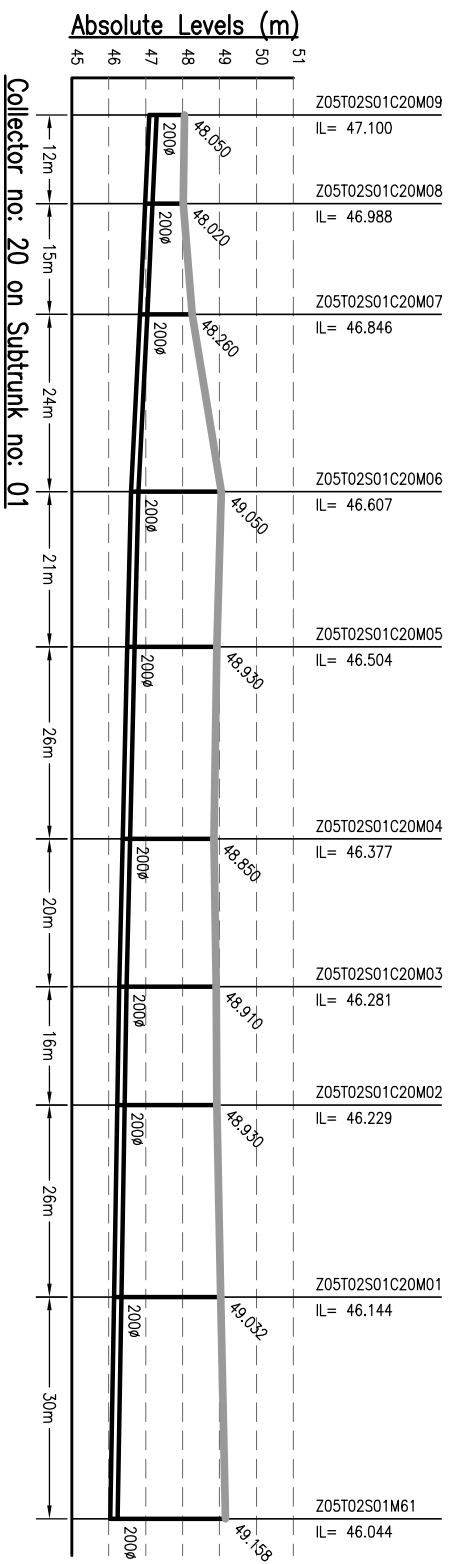
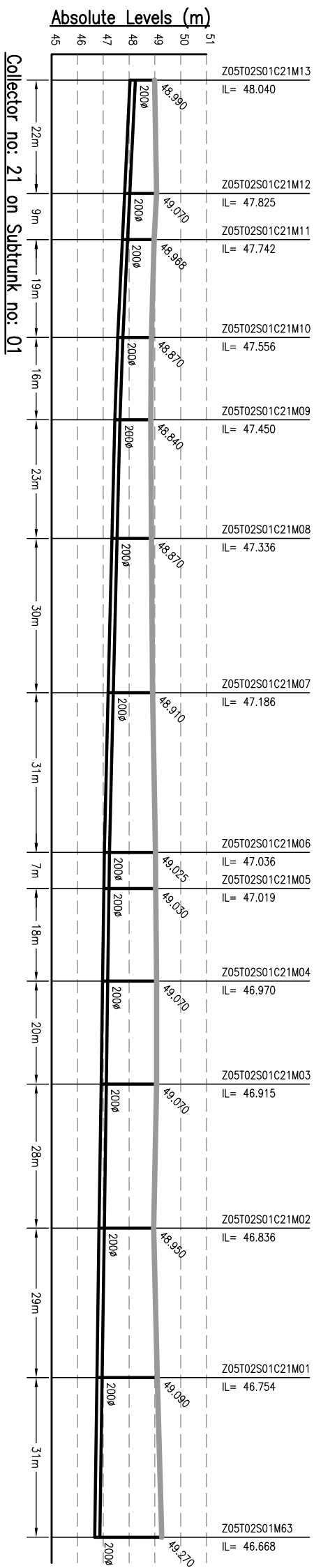
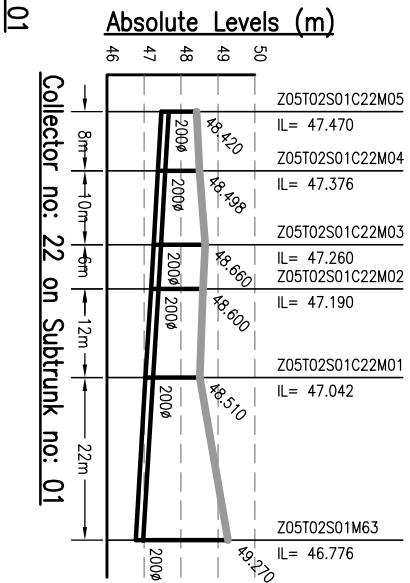
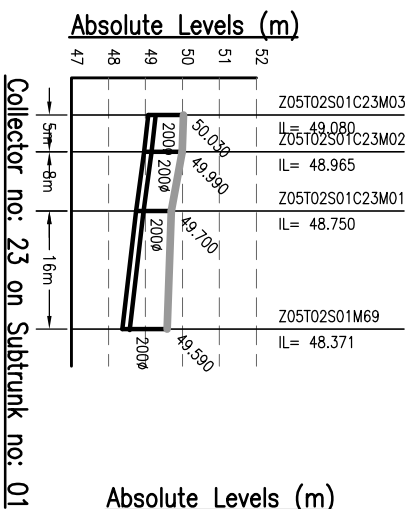
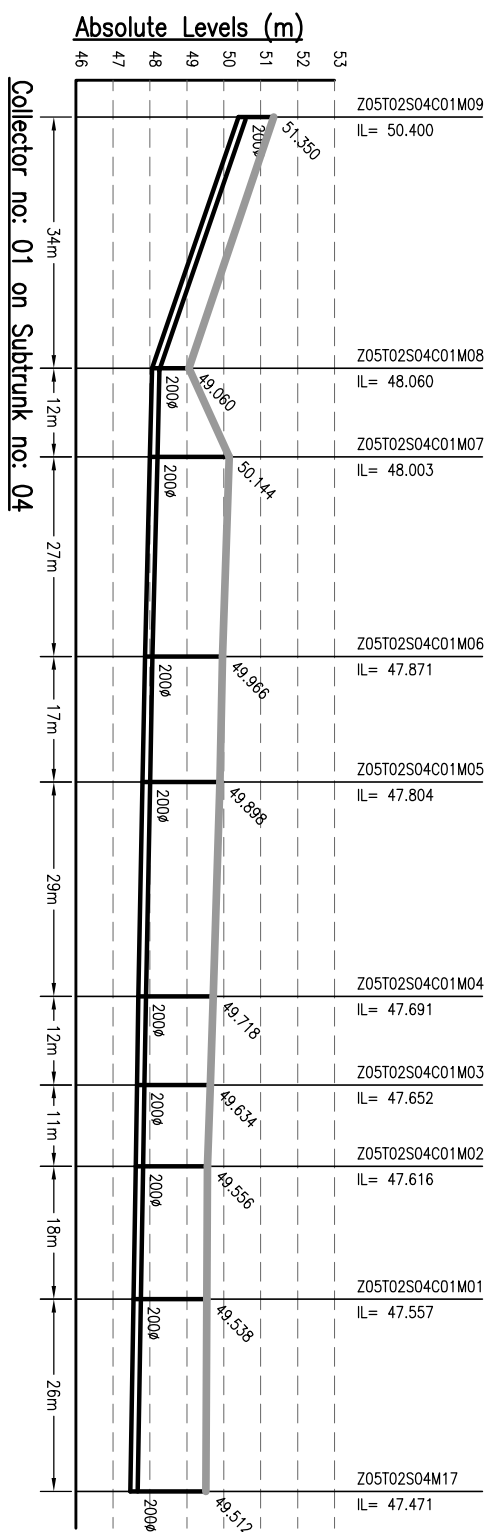
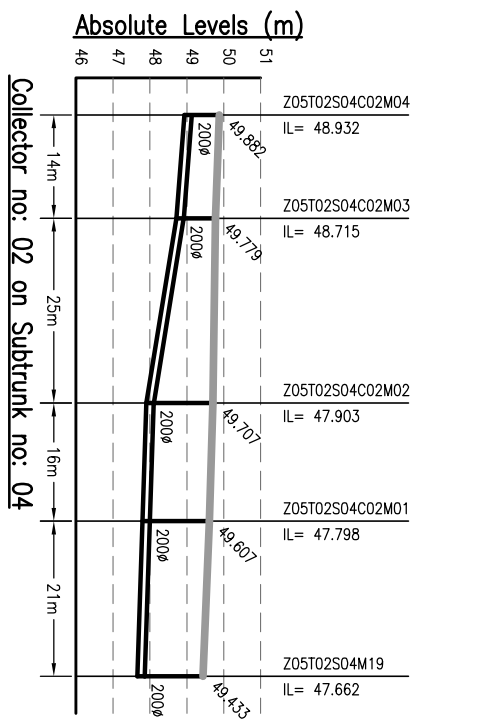
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1092.01	PH	Z5-12-C-09	00

DATE	BY	DATE OF FIRST ISSUE
MAY 2013	AH	MAY 2013
MAY 2013	JR	MAY 2013
MAY 2013	RP	MAY 2013
MAY 2013	CR	MAY 2013

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SHEET SIZE:-** A3





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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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 Website: - [www.bidc.gov.in](http://www.bidc.gov.in)

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
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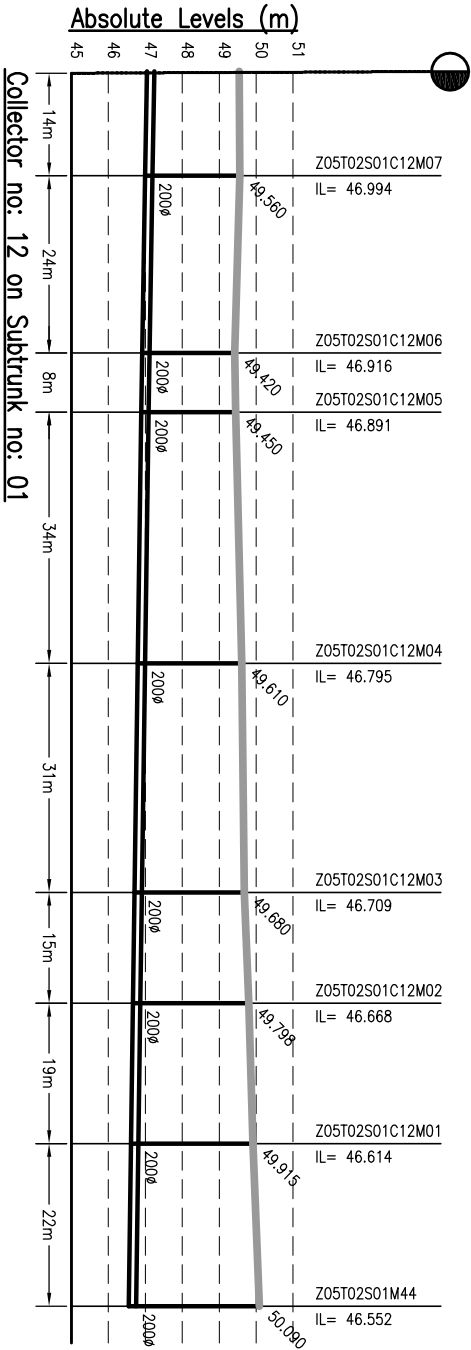
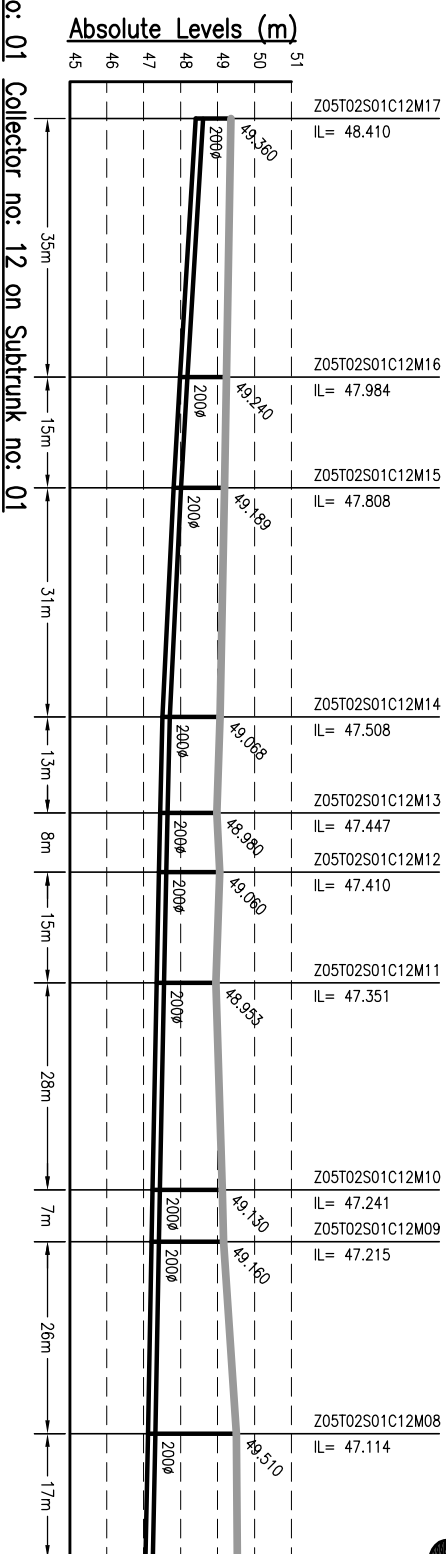
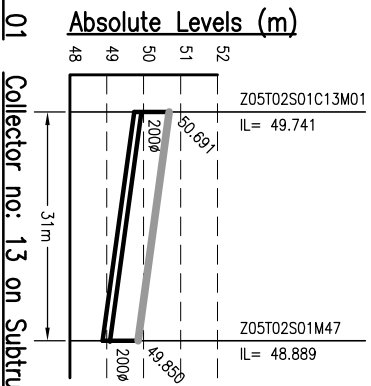
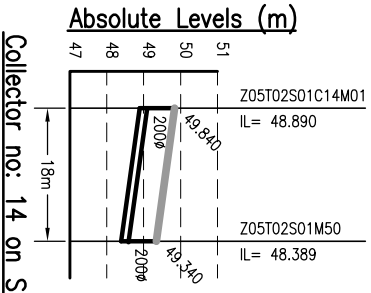
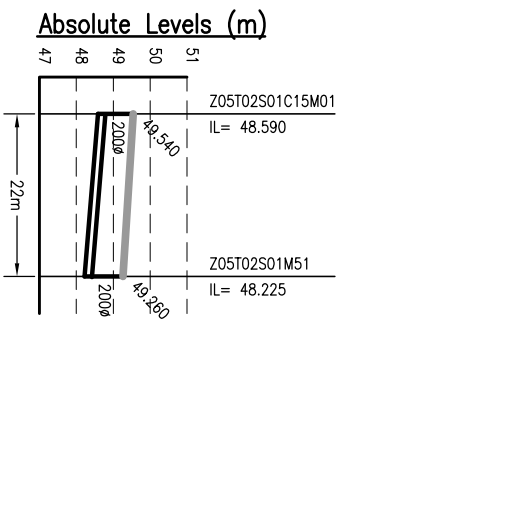
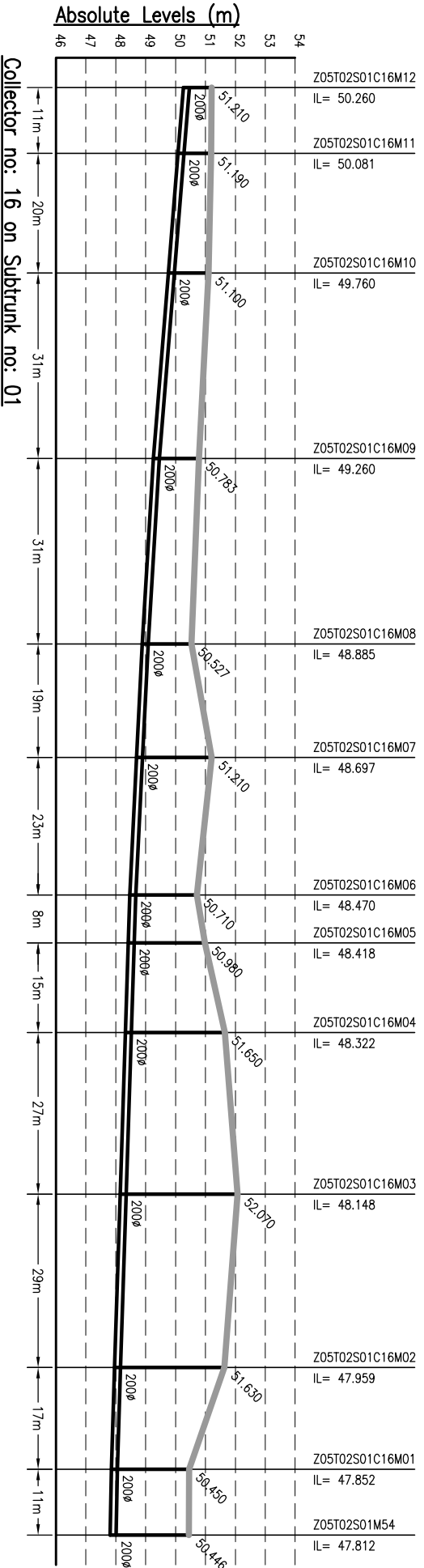
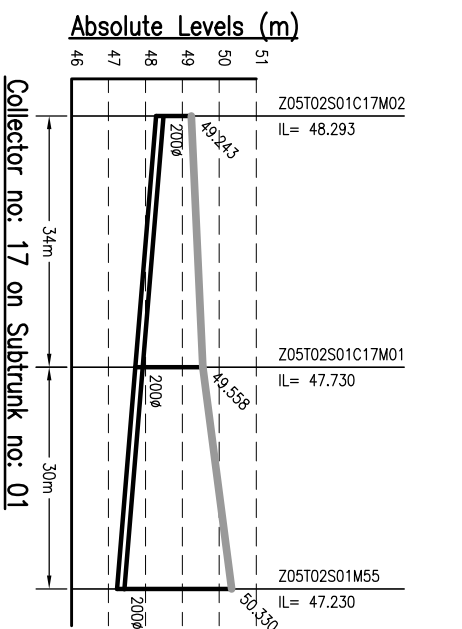
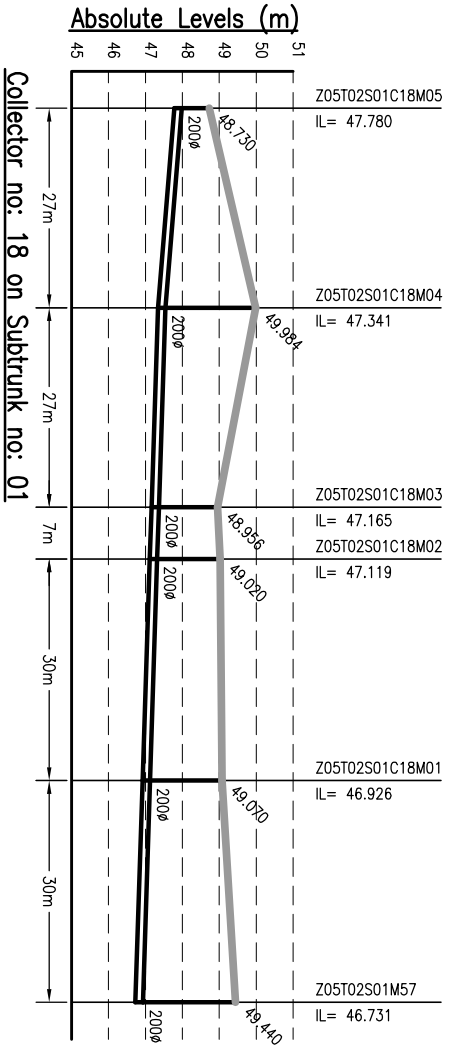
**CONSULTANT:-**  
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 10 OF 13)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200  
**SHEET SIZE** : A3

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-12-C-10	00



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Drawing Base Reference:  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP
<b>AMENDMENTS</b>				

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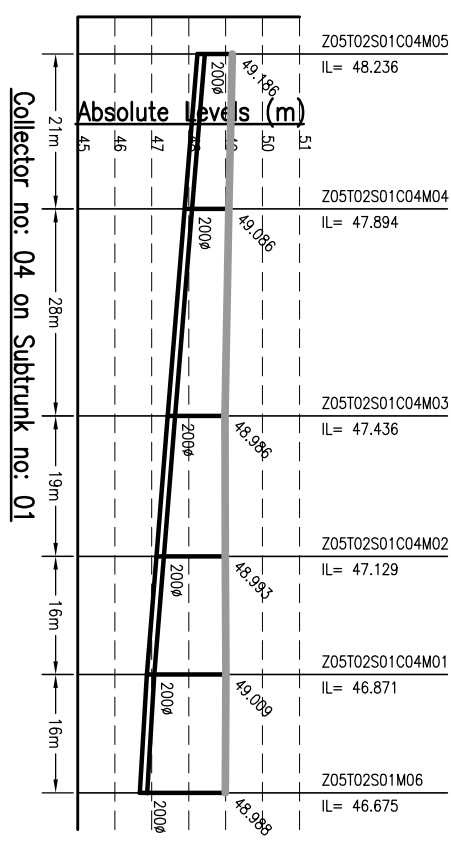
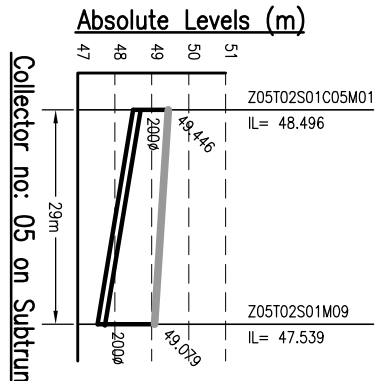
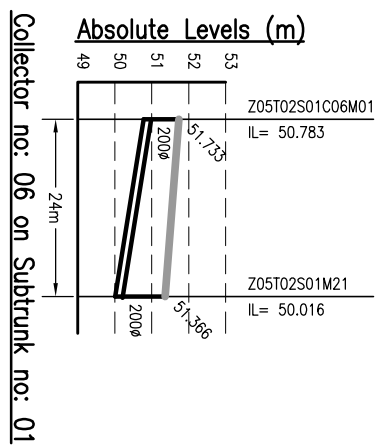
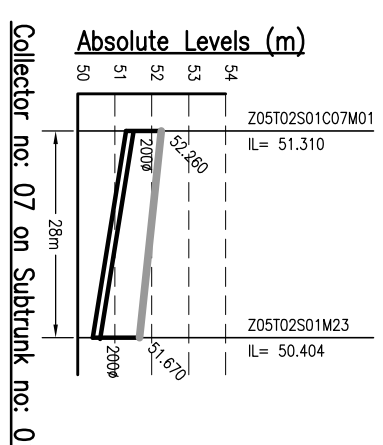
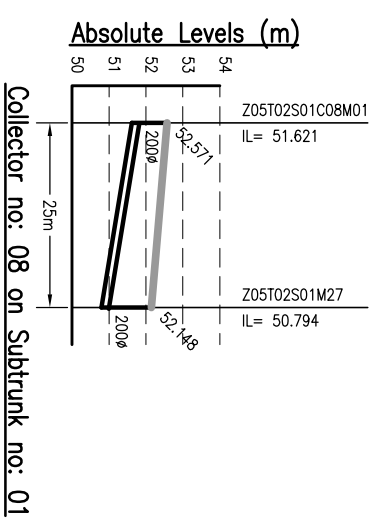
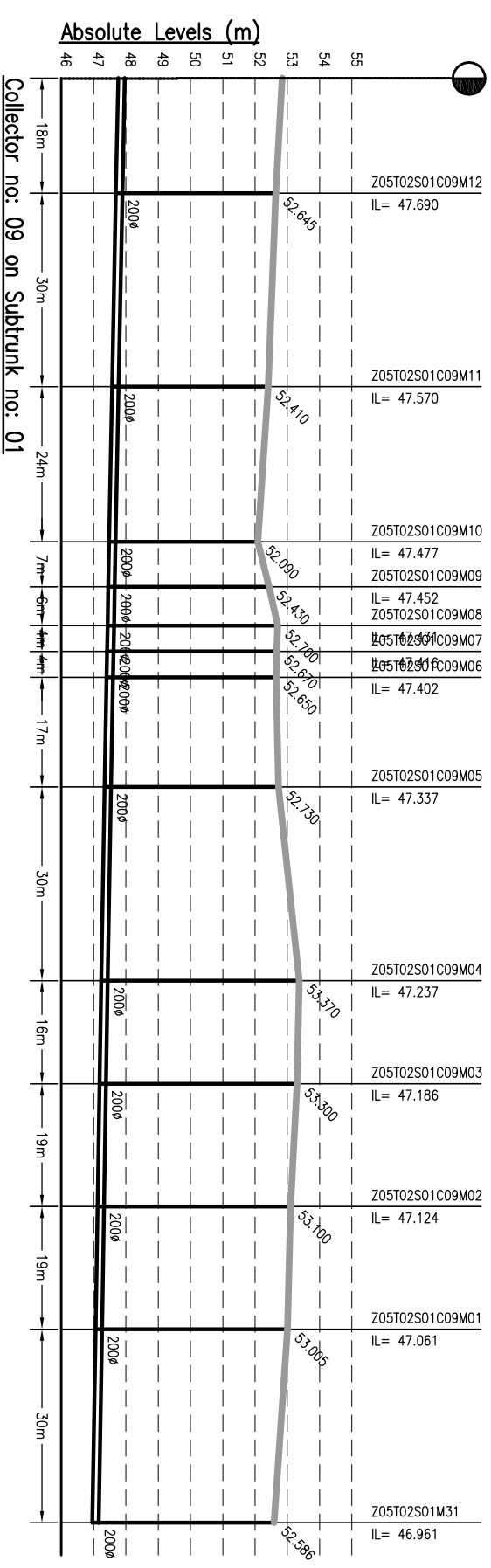
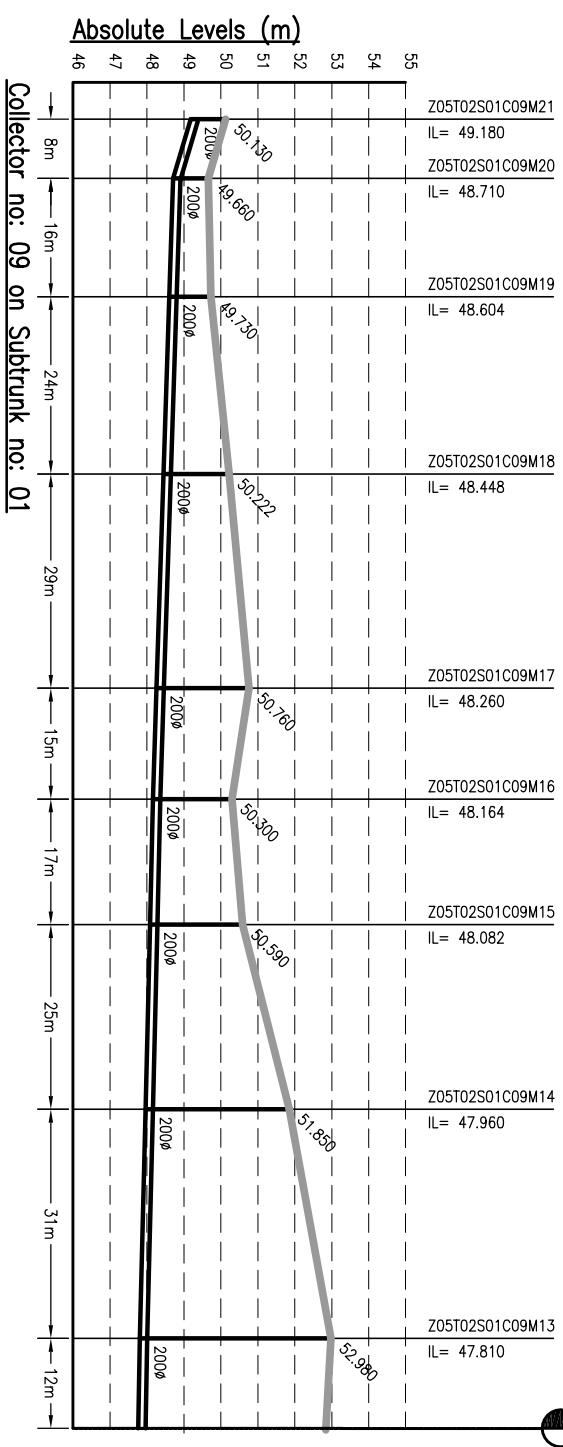
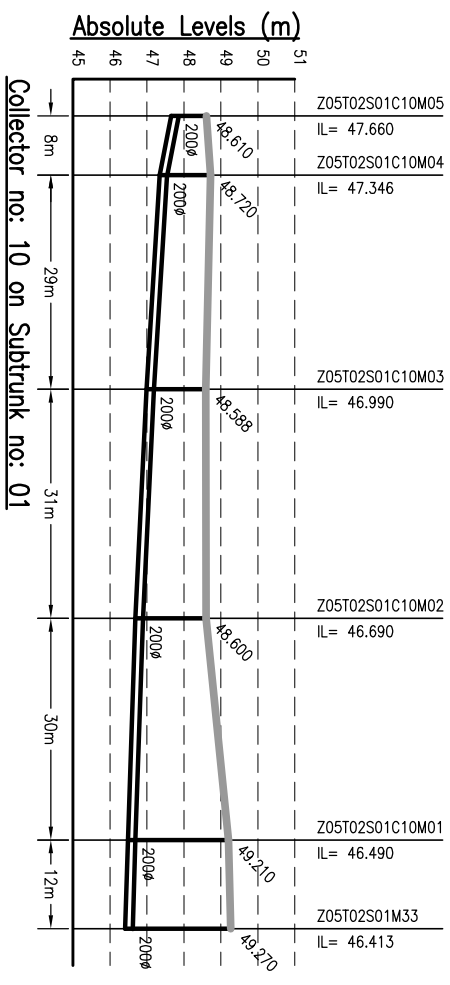
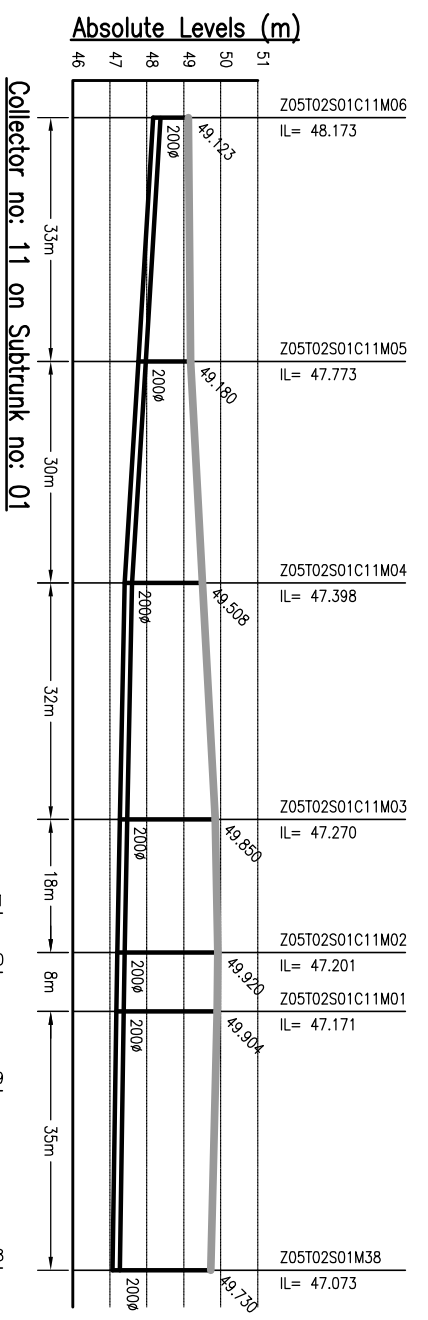


**URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
 BIHAR  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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 A-4, Sector-16, Noida-201301, India  
 Ph: +91 120 2516165, Fax No: +91 120 2515745  
 www.menhardtdr.com, Email: info@menhardtdr.com

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 11 OF 13)

PURPOSE OF ISSUE		SCALE: H-1000, V-200
DRAFT	DETAILED PROJECT	SHEET SIZE: A3
BY	DATE OF FIRST ISSUE	
DRAWN	BY	MAY 2013
DESIGNED	BY	MAY 2013
CHECKED	BY	MAY 2013
APPROVED	BY	MAY 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-12-C-11
		REVISION
		00



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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
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 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 12 OF 13)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE:** - H-1/1000, V-2/200

**SHEET SIZE:** - A3

**DATE OF FIRST ISSUE**  
 MAY 2013

DISCIPLINE	DATE	REVISION
PH	MAY 2013	00

**JOB NO.:** 1092.01  
**DISCIPLINE:** PH  
**DRAWING NO.:** Z5-12-C-12  
**REVISION:** 00



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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV/	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP
<b>AMENDMENTS</b>				

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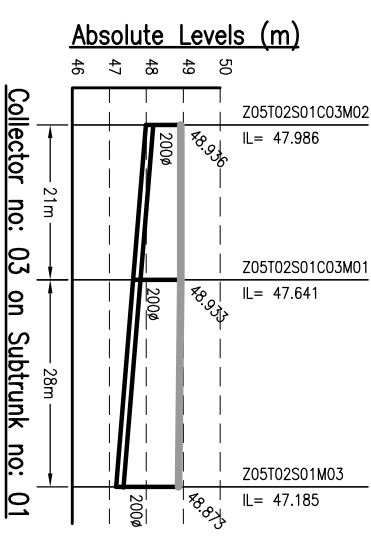
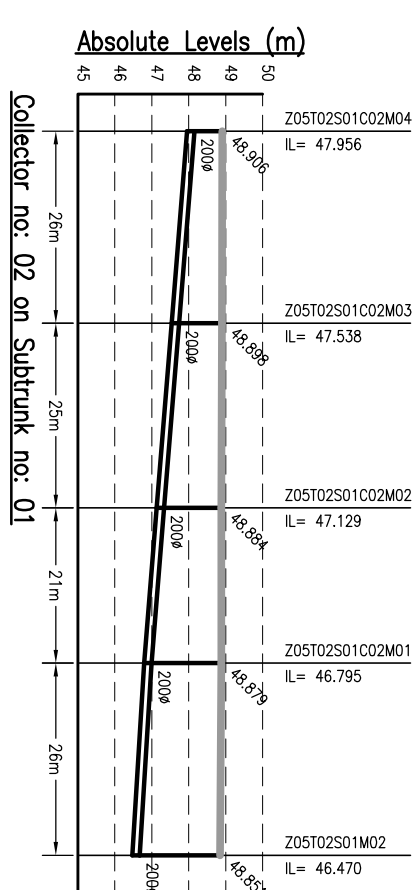
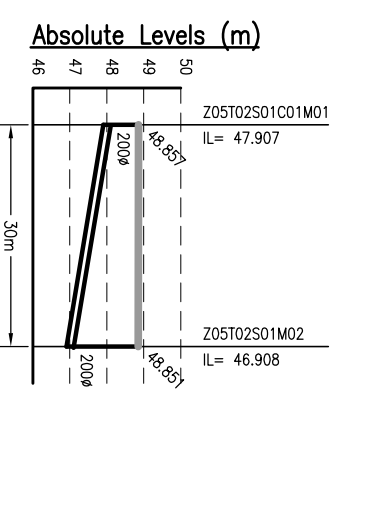
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

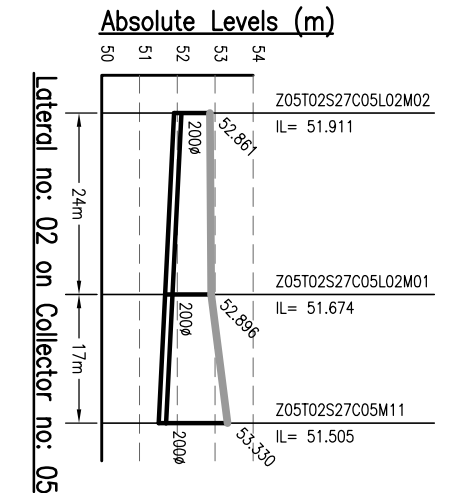
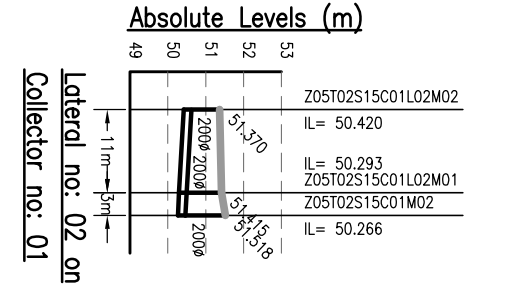
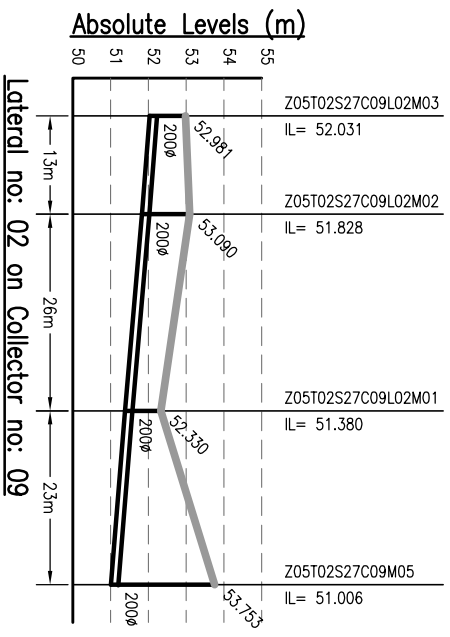
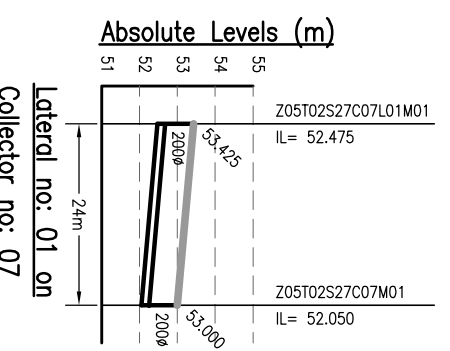
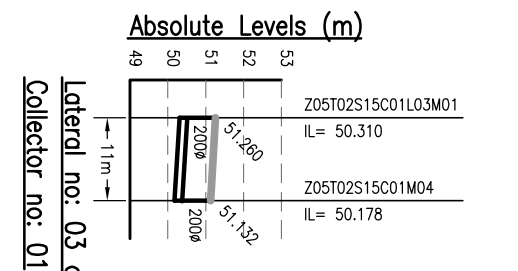
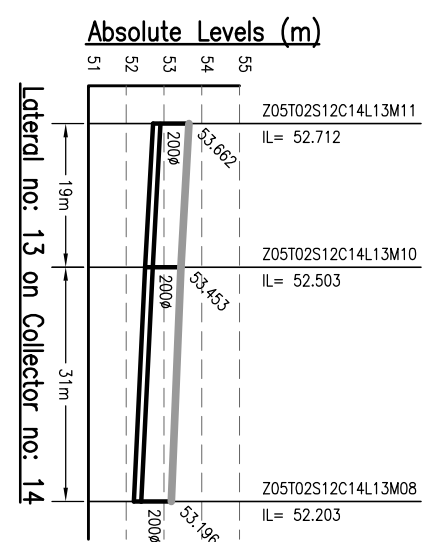
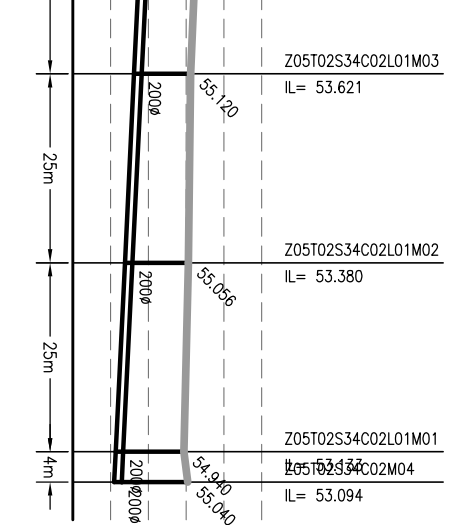
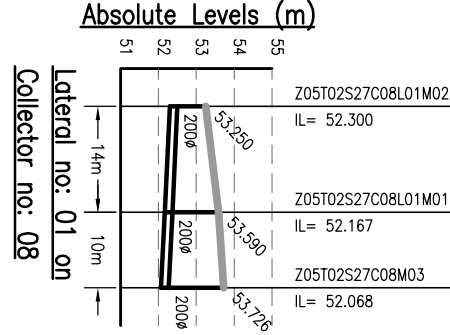
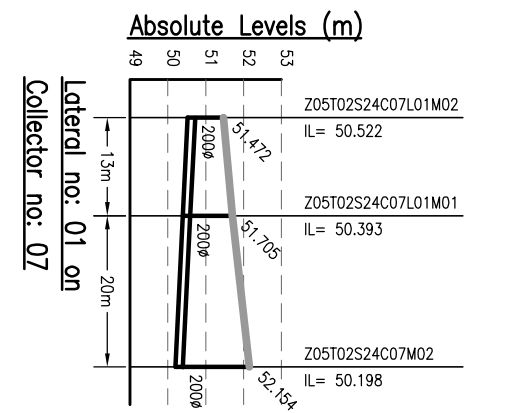
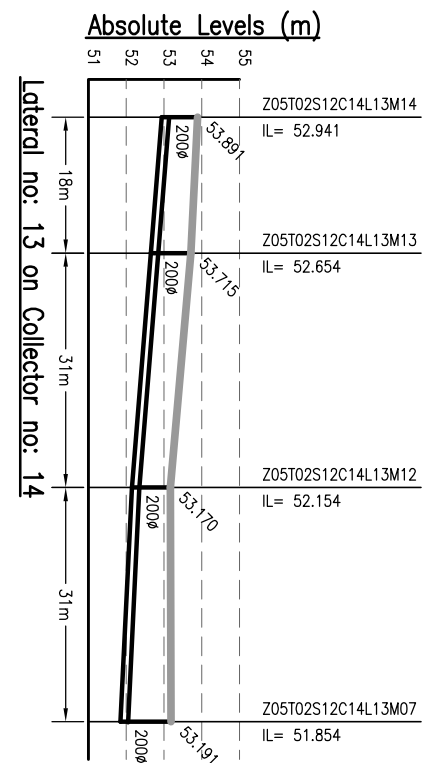
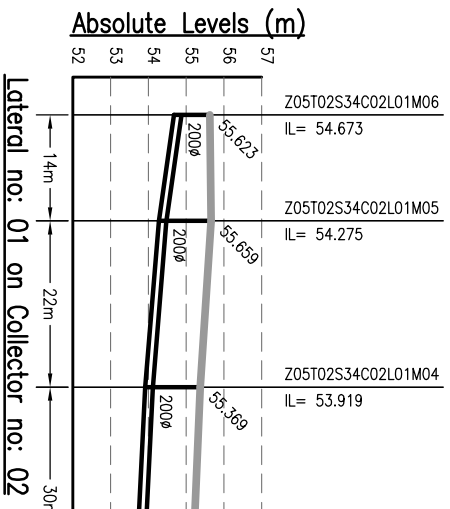
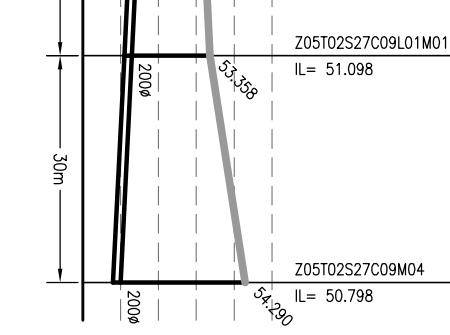
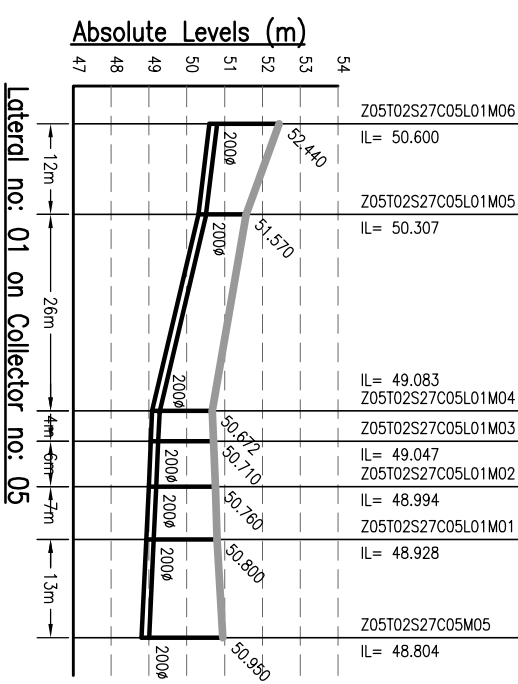
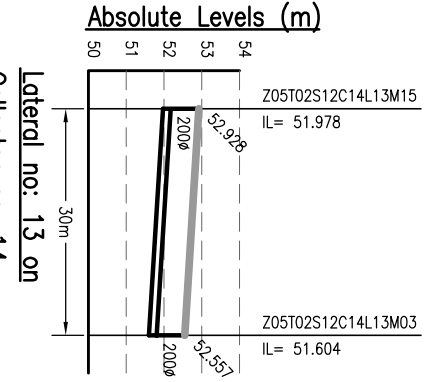
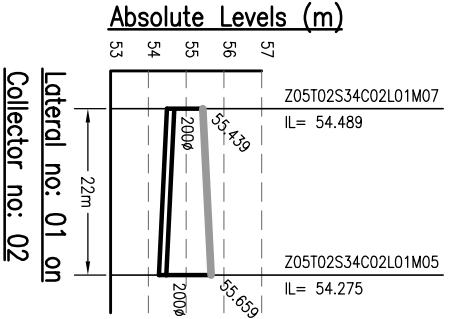
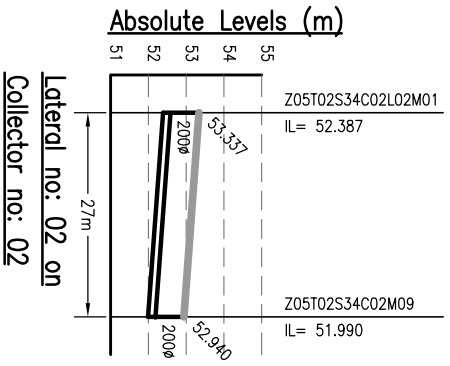
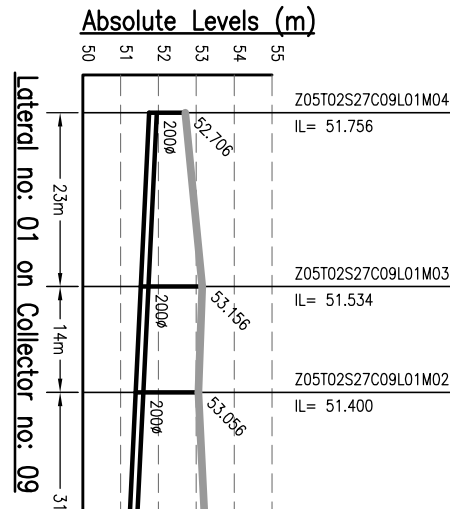
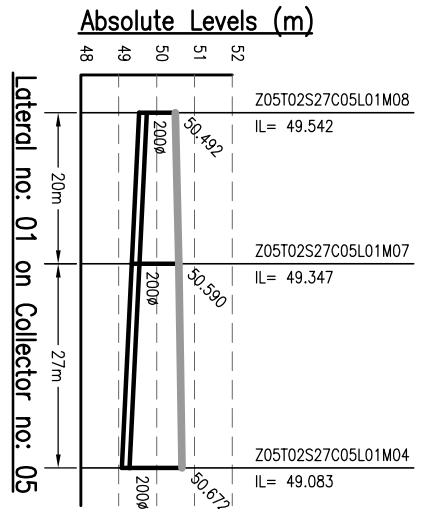
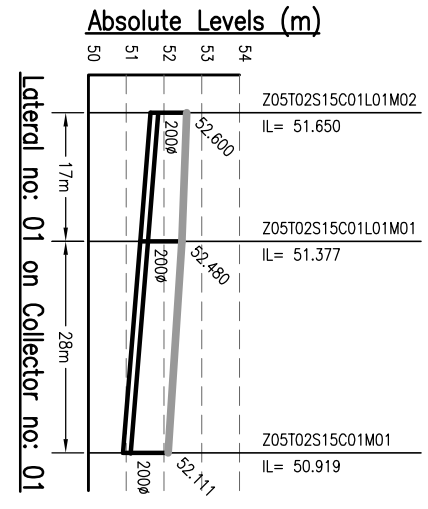
**CONSULTANT:-**  
**MENHARDT**

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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 13 OF 13)

PURPOSE OF ISSUE		SCALE :-
DRAFT DETAILED PROJECT REPORT	BY	H-1000, V-200
REVISION	DATE OF REVISION	SHEET SIZE :- A3
		DATE OF FIRST ISSUE
DRAWN	AH	MAY 2013
DESIGNED	JR	MAY 2013
CHECKED	RP	MAY 2013
APPROVED	CRR	MAY 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-12-C-13
		REVISION
		00





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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**


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 Website: [www.buhidc.com](http://www.buhidc.com)

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPR) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

  
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**DRAWING TITLE**  
 SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-2 (SPS-B)

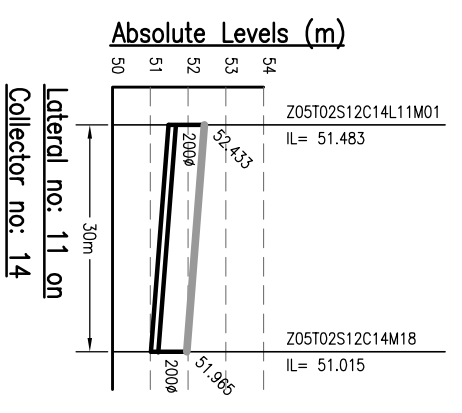
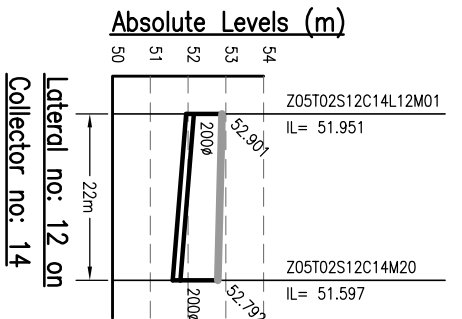
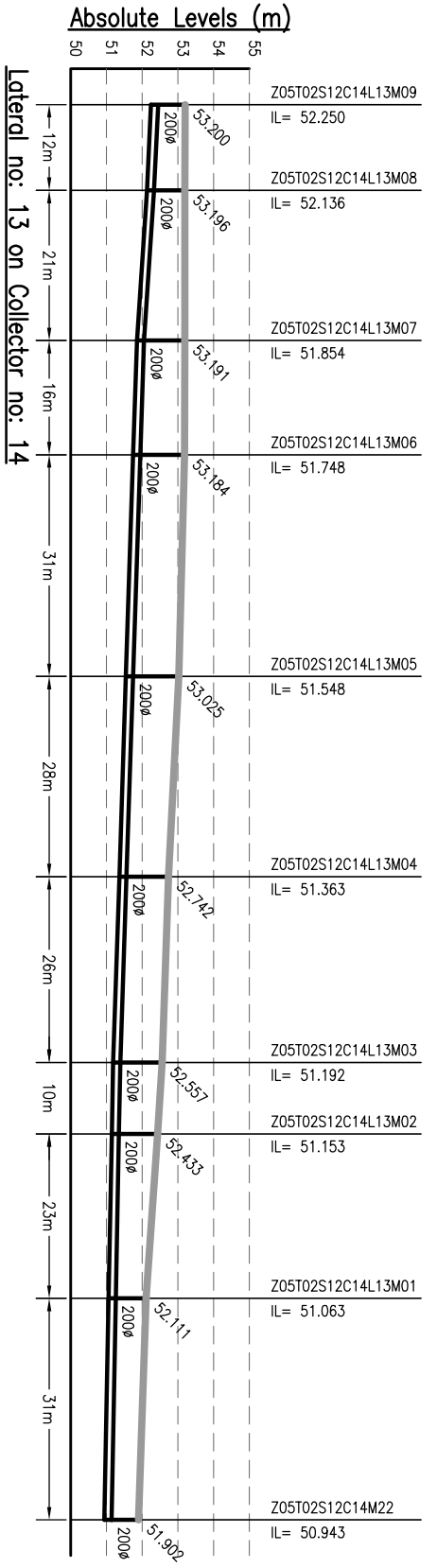
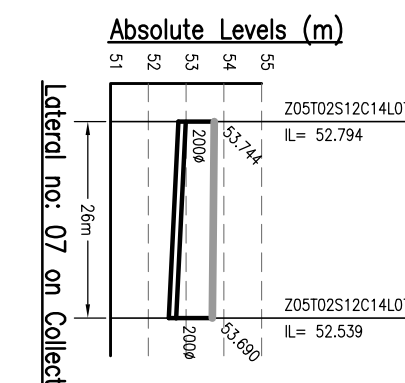
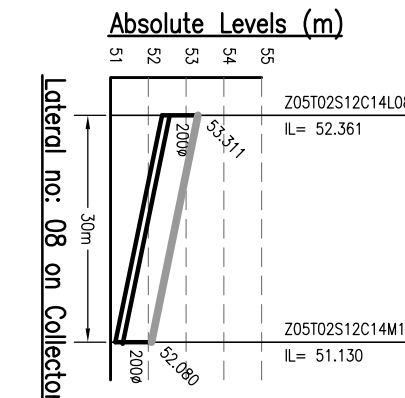
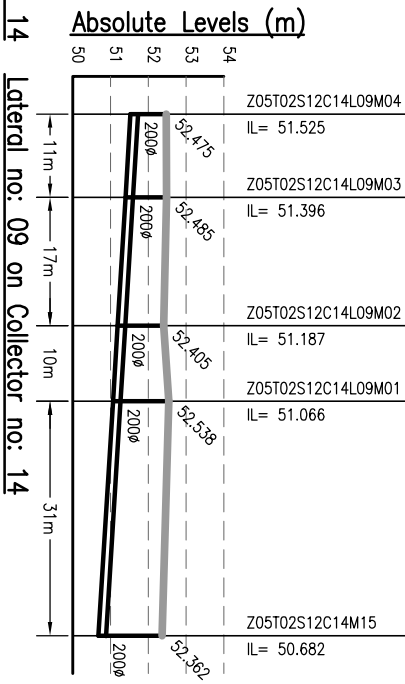
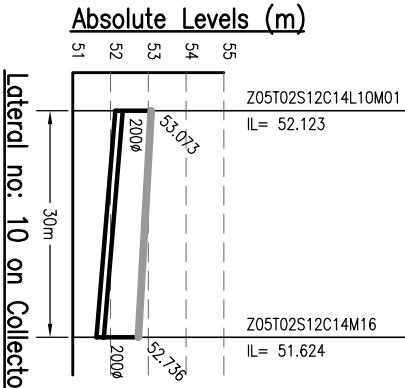
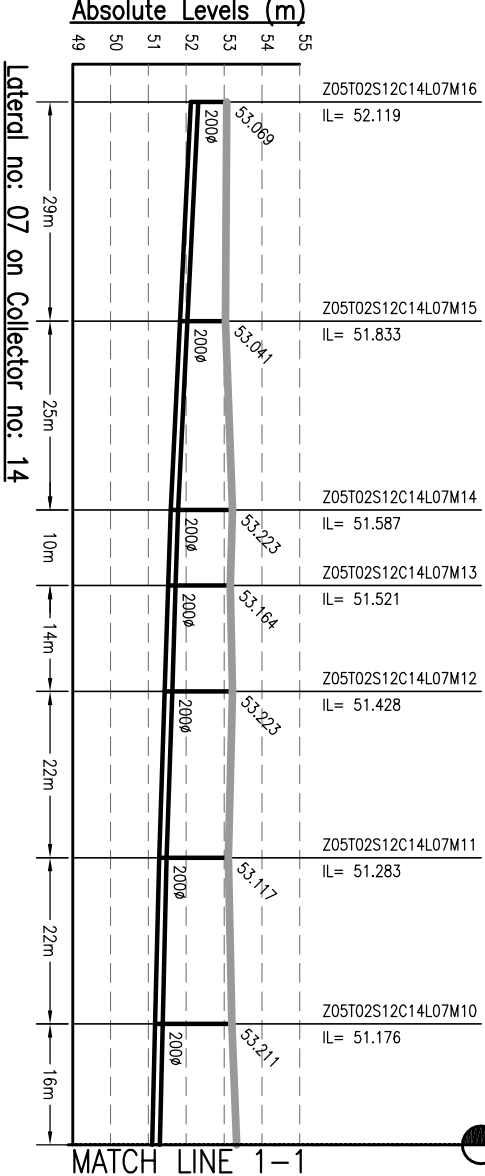
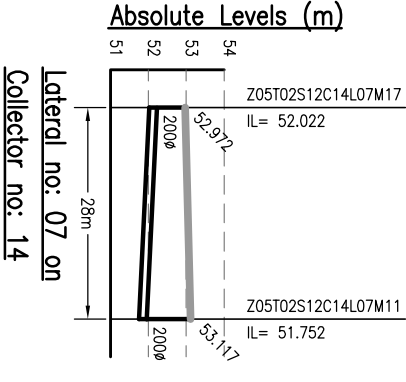
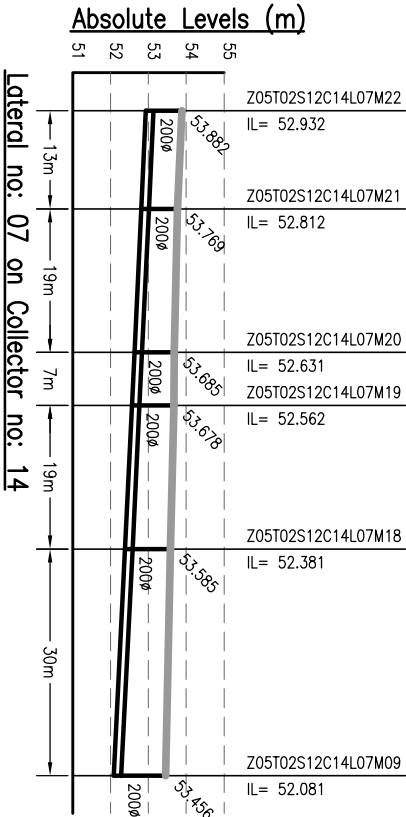
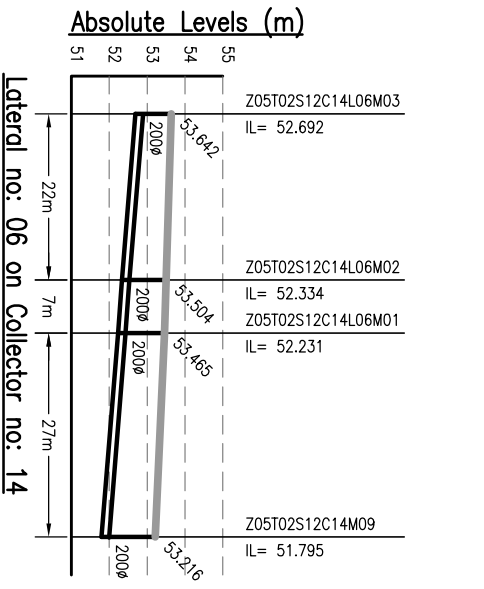
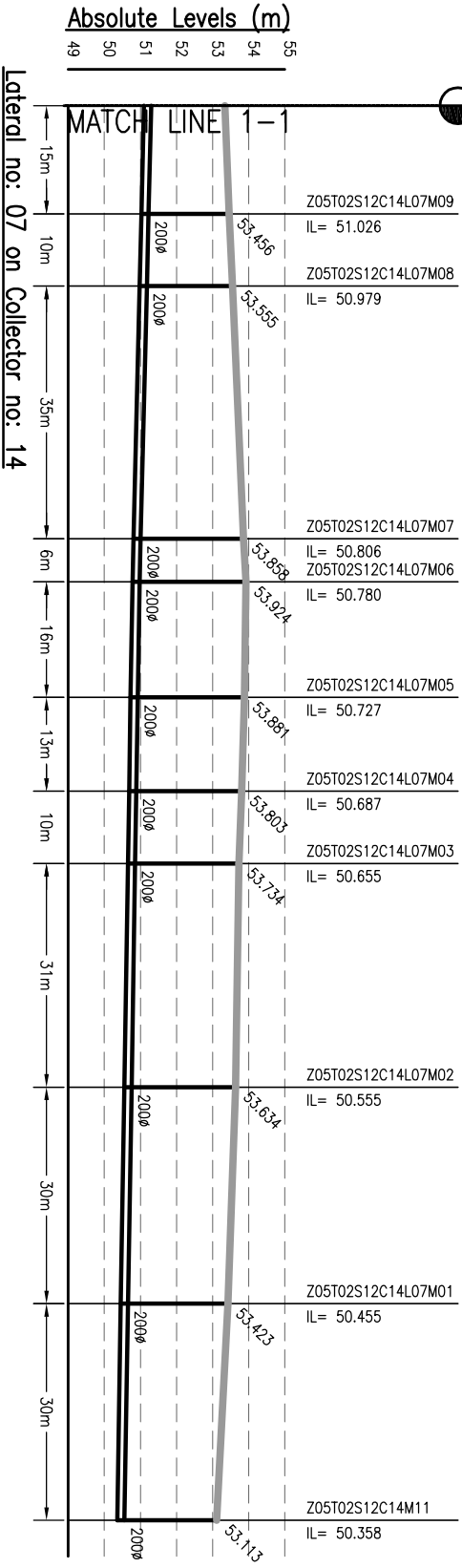
**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200

DATE OF FIRST ISSUE	DATE OF REVISION
MAY 2013	
MAY 2013	
MAY 2013	

**DESIGNED** : JR  
**CHECKED** : RP  
**APPROVED** : CRR  
**DATE** : MAY 2013

**JOB NO.** : 1092.01  
**DISCIPLINE** : PH  
**DRAWING NO.** : Z5-12-L-01  
**REVISION** : 00




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Drawing Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

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**CLIENT:-**  
  
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 Website: [www.bidc.org](http://www.bidc.org)

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS:  
 TENDERING FOR EXECUTION,  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

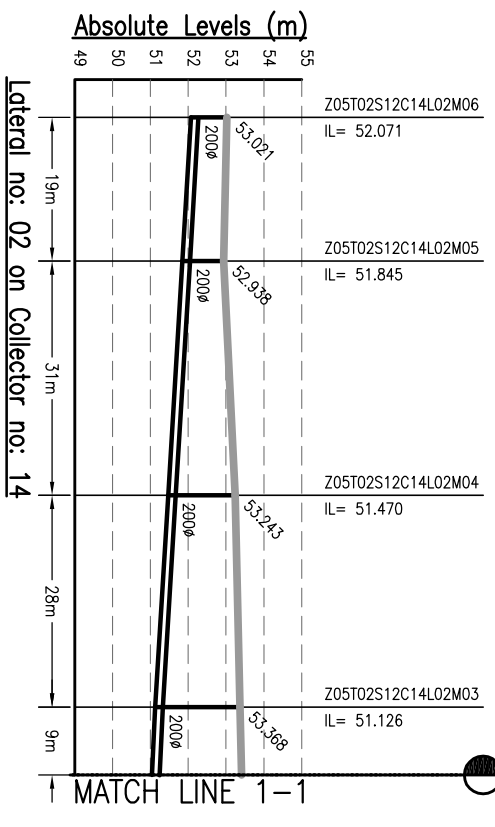
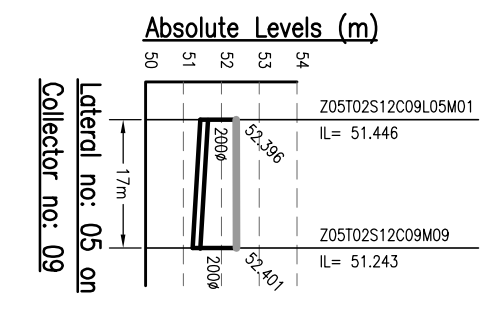
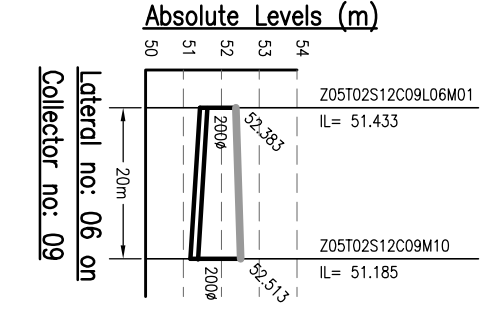
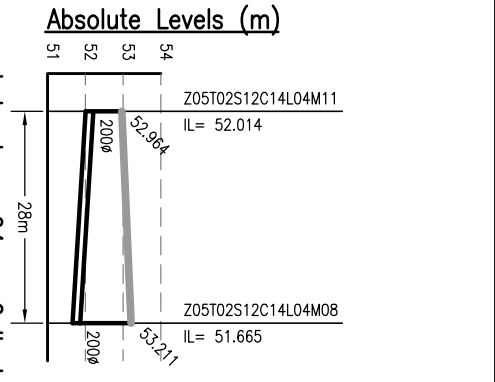
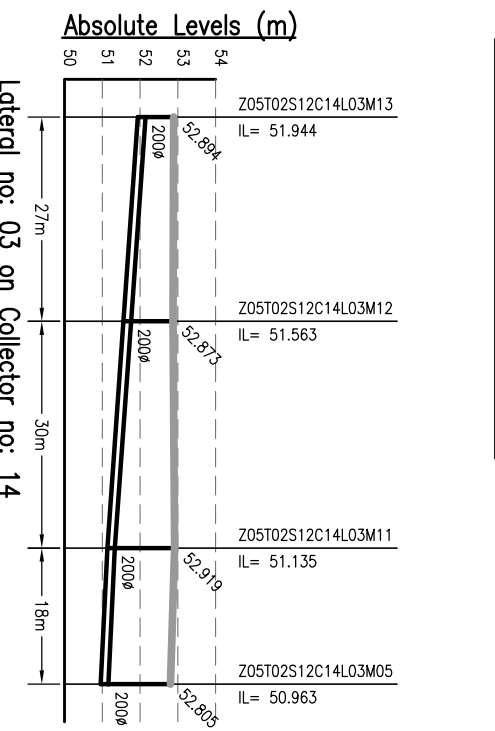
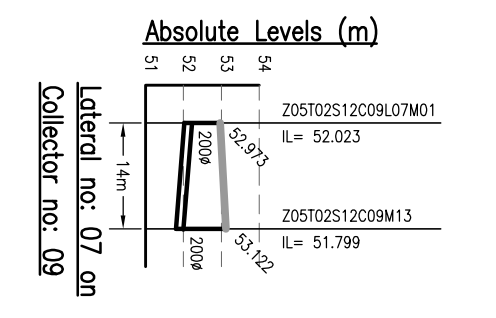
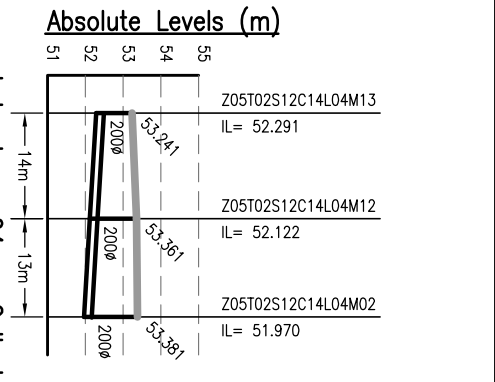
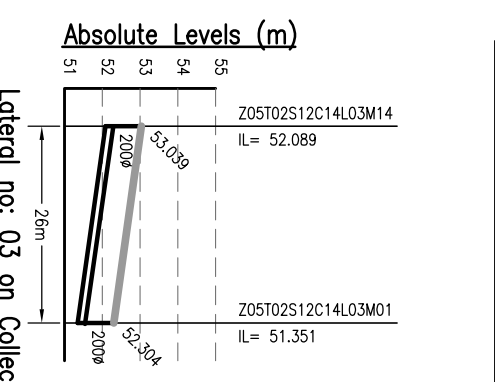
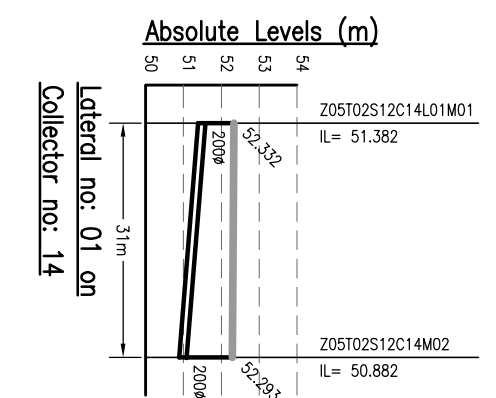
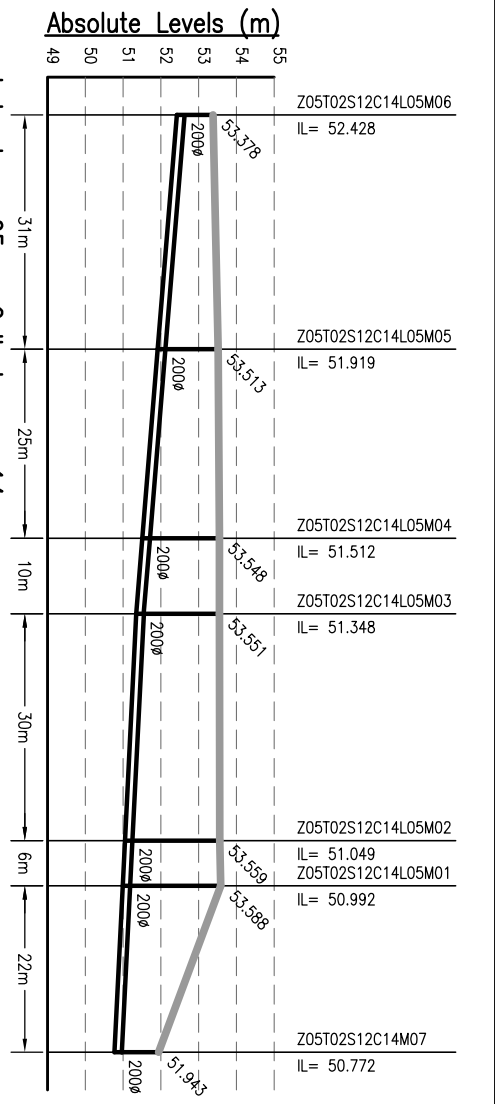
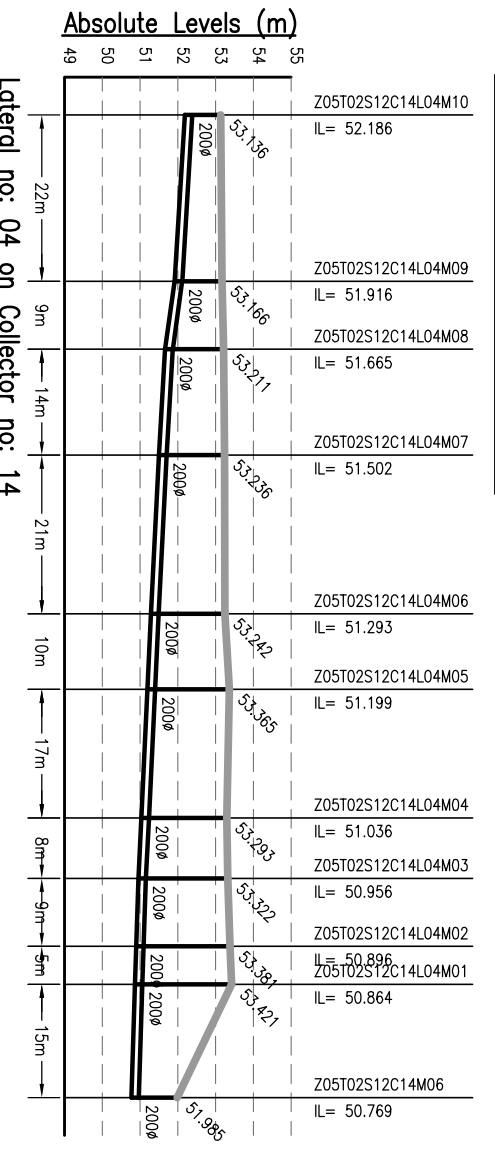
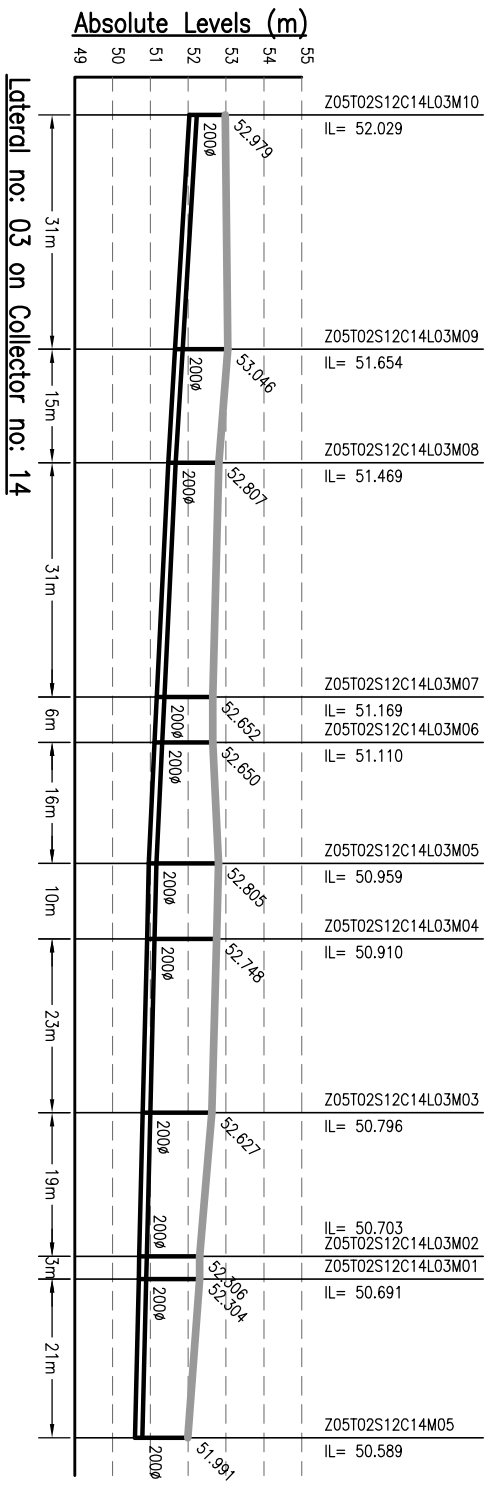
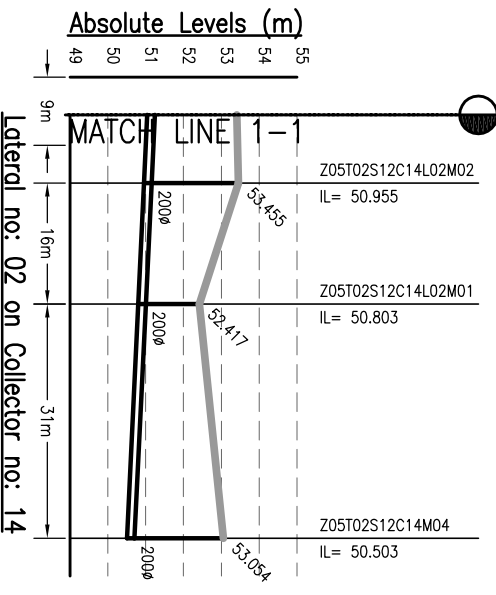
**CONSULTANT:-**  
  
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-2 (SPS-B)

DESIGNED	CHECKED	APPROVED	JOB NO.
JR	RP	CR	1092.01

DATE	BY	SCALE	REVISION
MAY 2013	SNS	H-1000, V-200	00





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Drawing Base Reference:-  
**PHC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Website: http://www.meinhardt.com

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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 www.meinhardtgroup.com, Email:-info@meinhardtindia.com

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 3 OF 10)

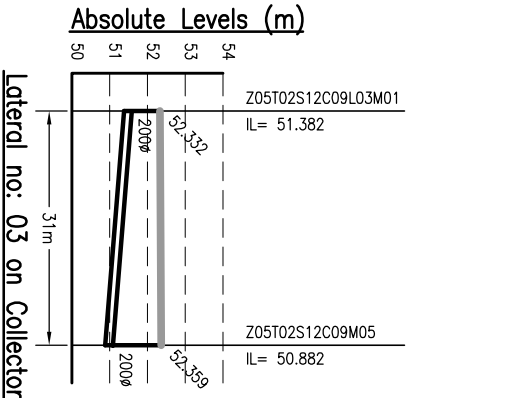
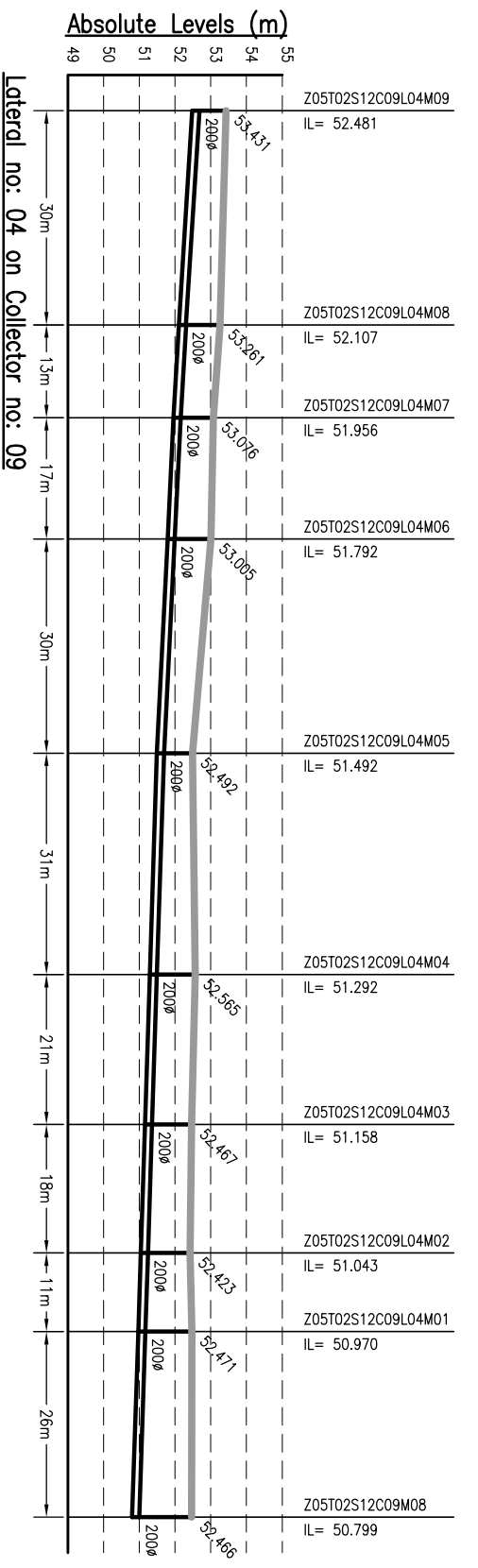
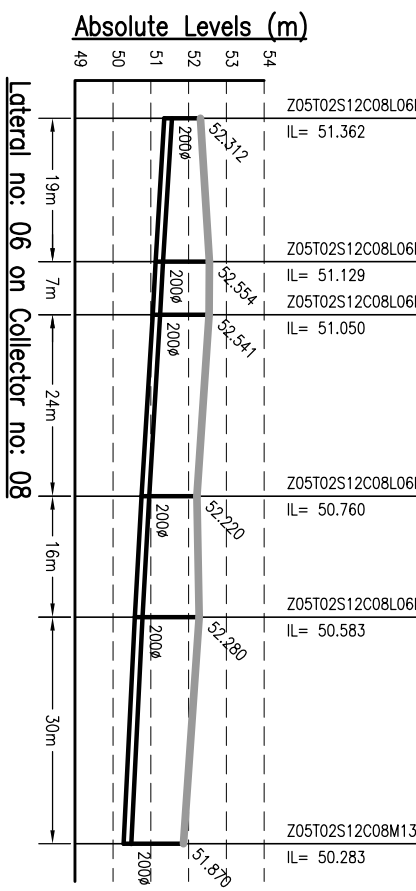
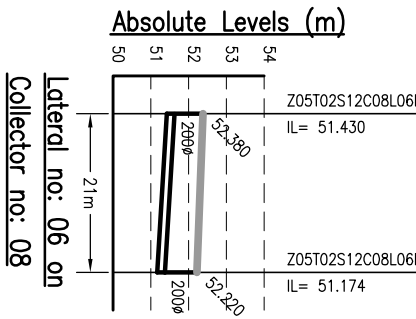
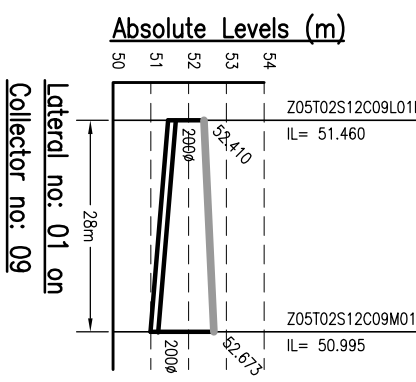
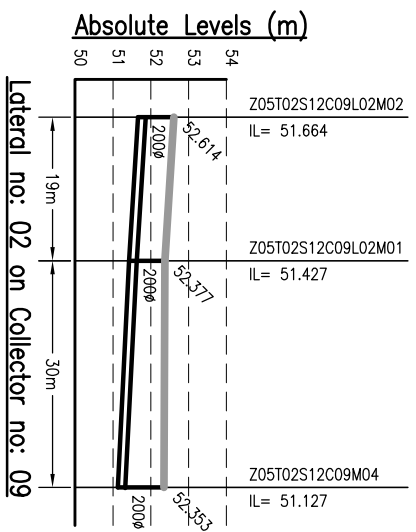
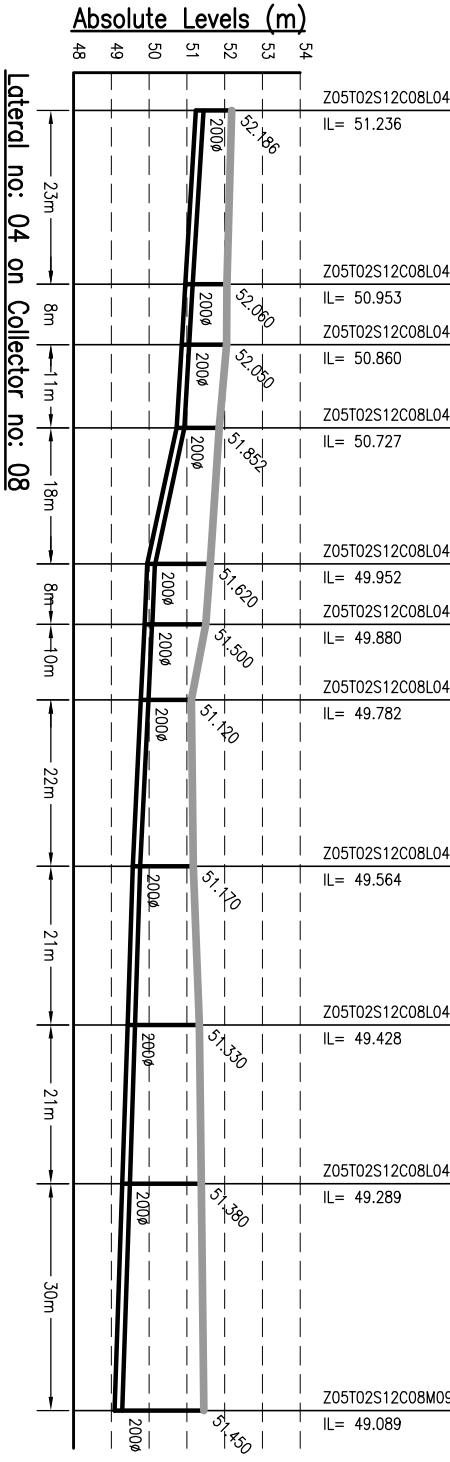
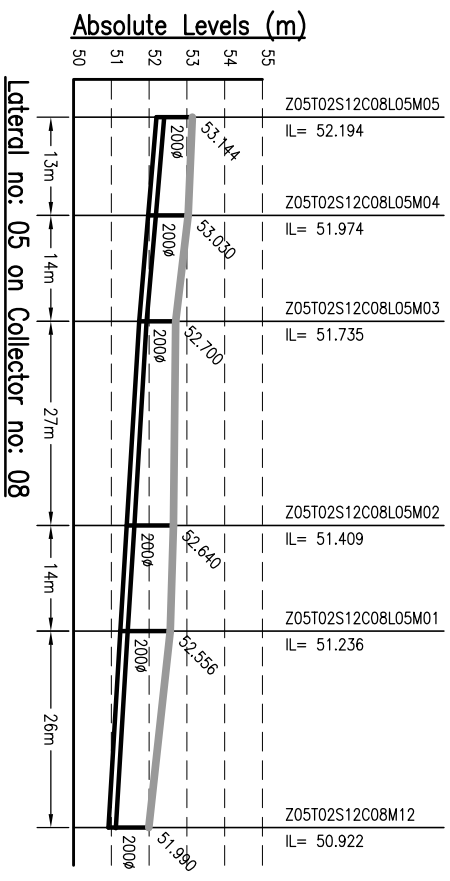
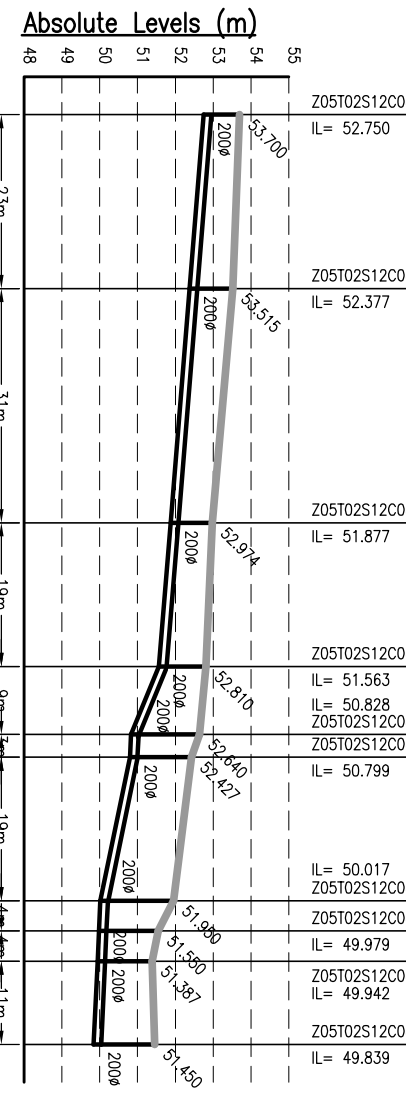
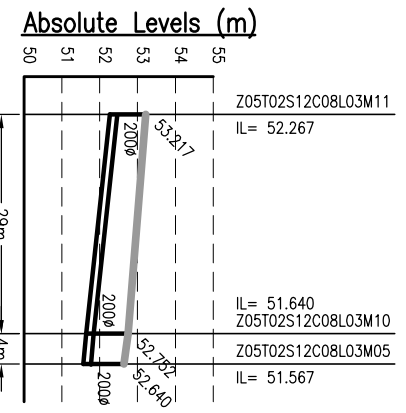
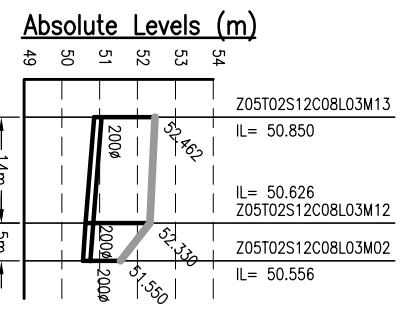
**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200  
**SHEET SIZE** : A3

BY	DATE OF FIRST ISSUE
SKS	MAY 2013
JR	MAY 2013
RP	MAY 2013
CRR	MAY 2013

**APPROVED**

**JOB NO.** 1092.01  
**DISCIPLINE** PH  
**DRAWING NO.** Z5-12-L-03  
**REVISION** 00



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Drawing Base Reference:  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	15/12/13	SKS	DRAFT DPR SUBMISSION	RP

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**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

CONSULTANT:-  
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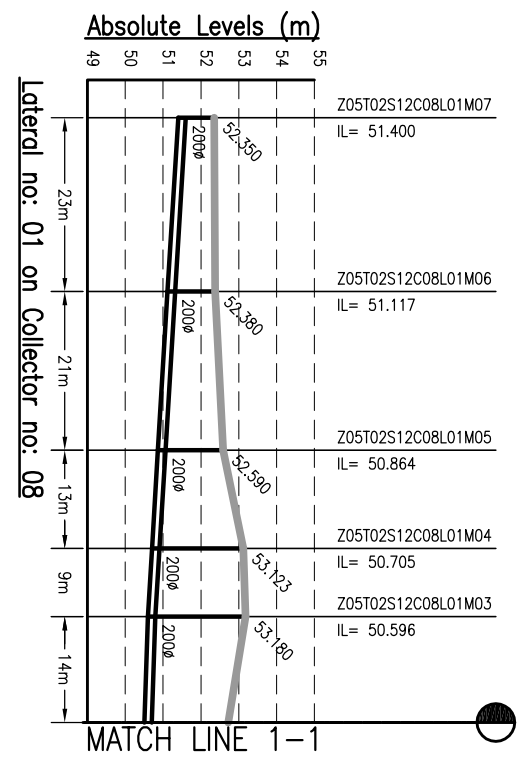
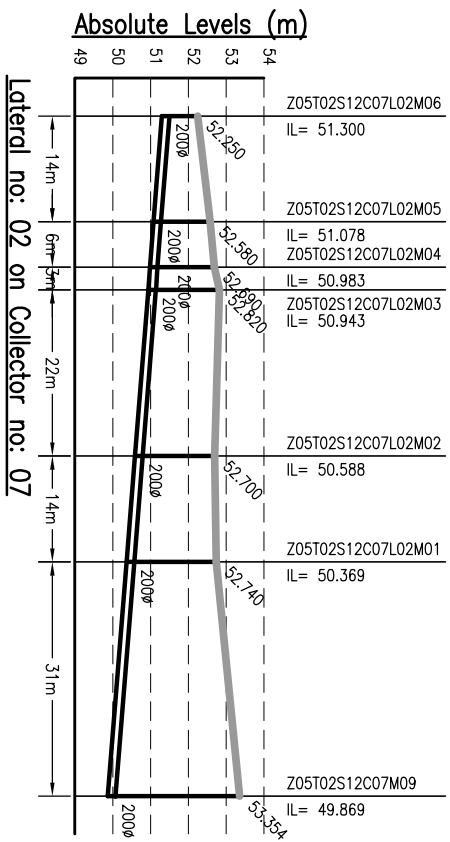
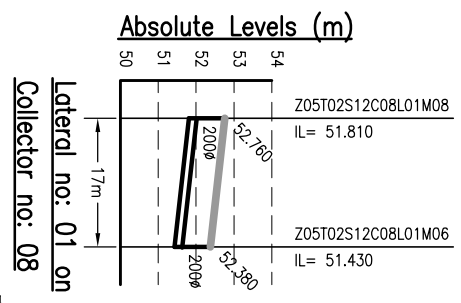
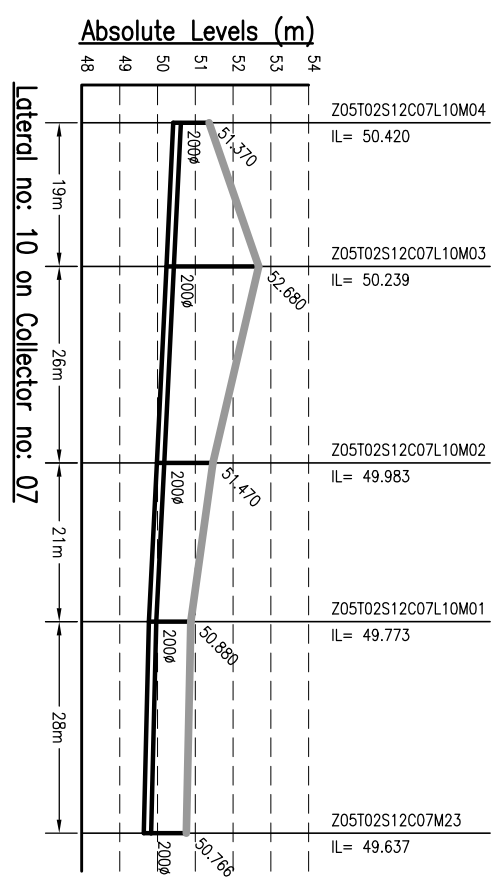
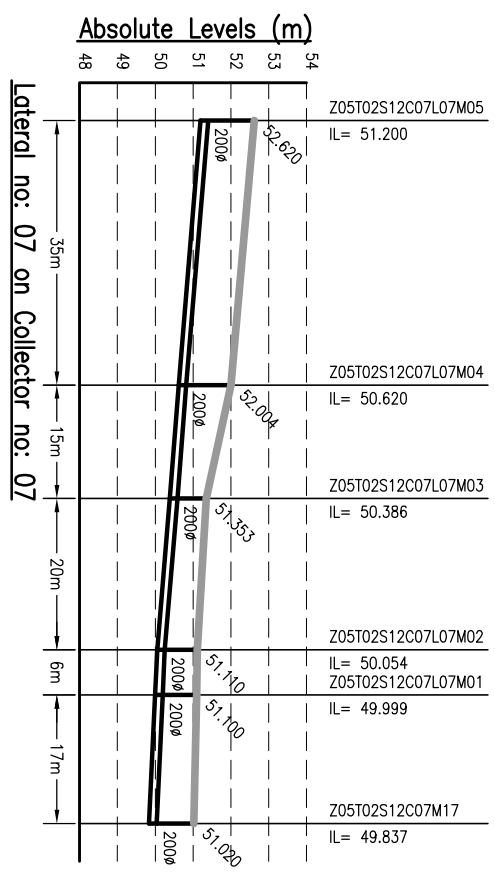
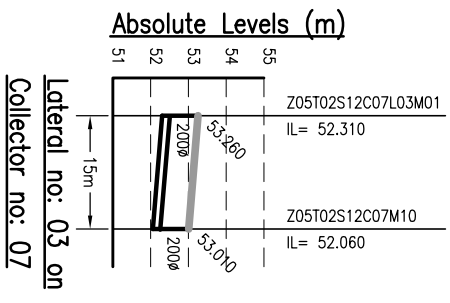
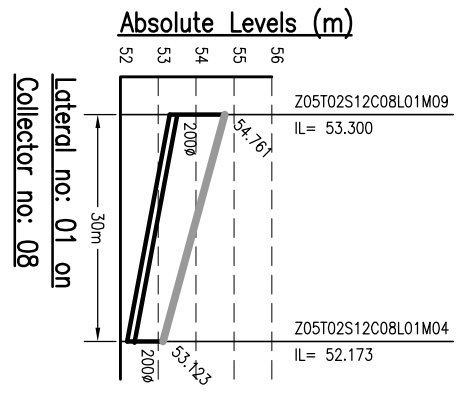
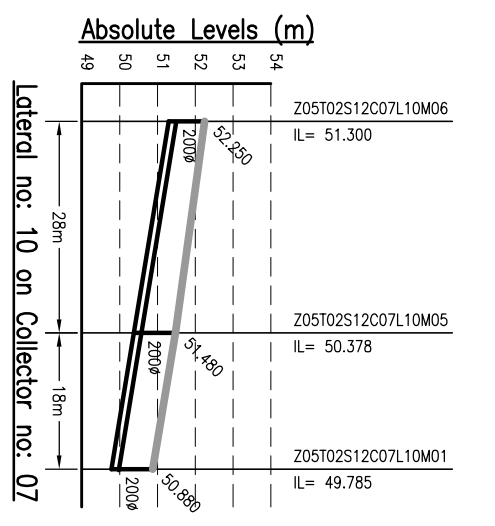
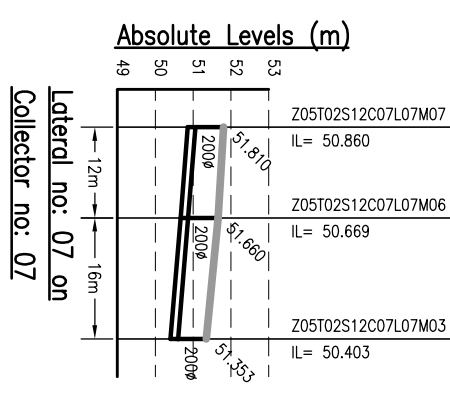
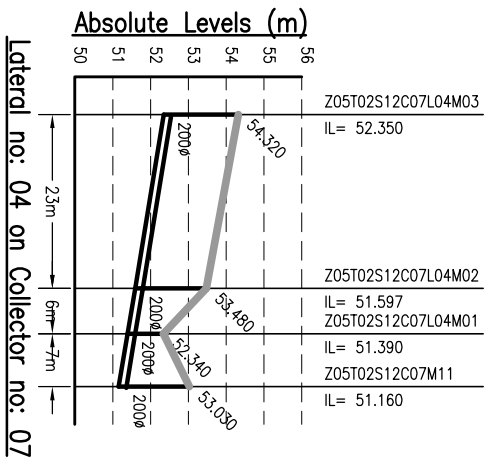
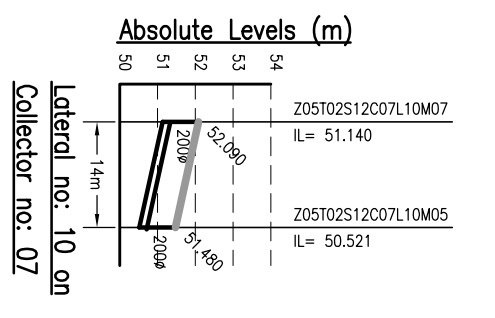
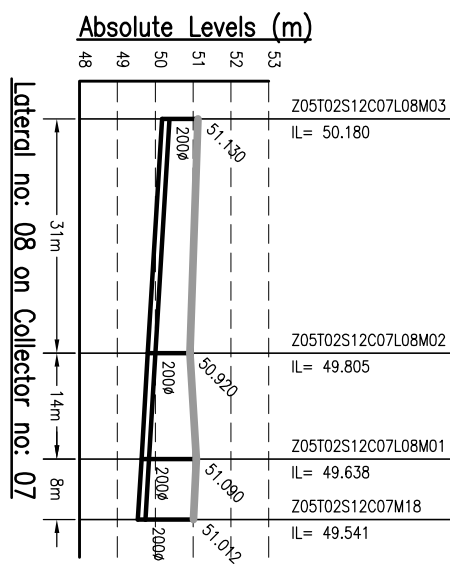
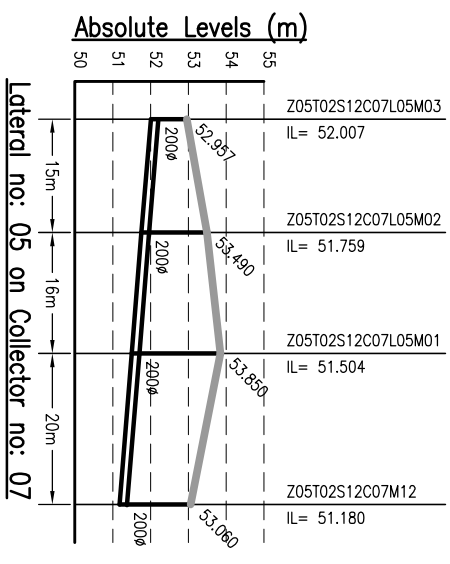
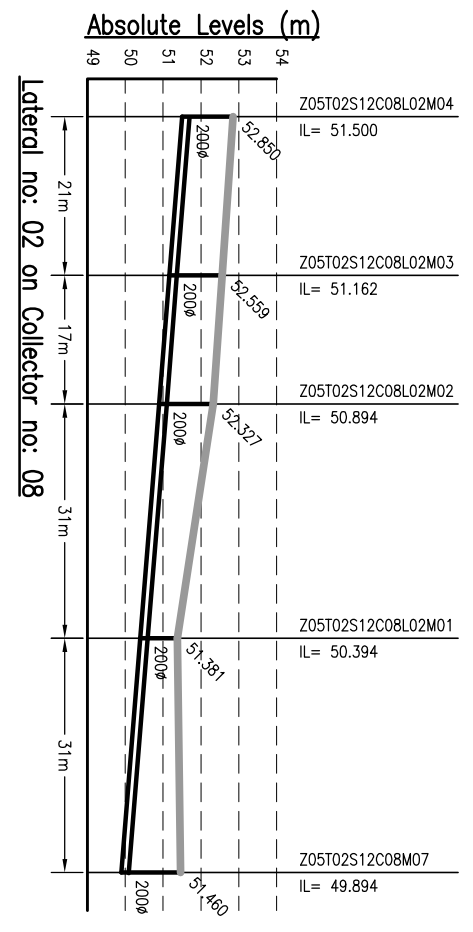
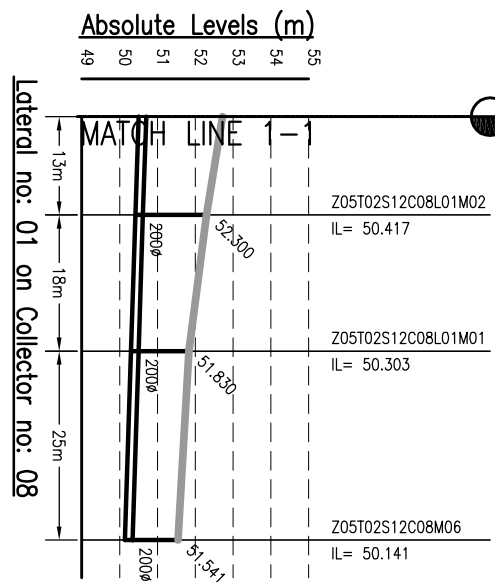
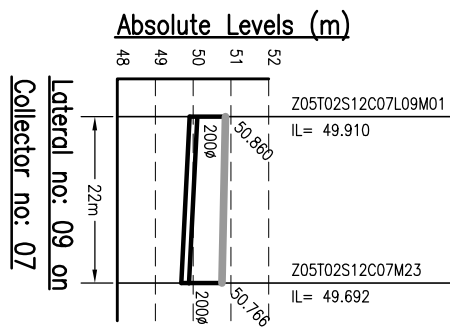
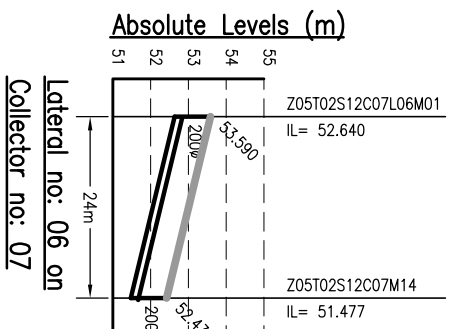
**SEWERAGE**  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 4 OF 10)

PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

SCALE: - H-1000, V-200  
 SHEET SIZE: - A3

DATE	BY	DATE OF ISSUE
MAY 2013	SKS	MAY 2013
MAY 2013	JR	MAY 2013
MAY 2013	RP	MAY 2013
MAY 2013	CR	MAY 2013

APPROVED: \_\_\_\_\_  
 DISCIPLINE: PH  
 DRAWING NO.: Z5-12-L-04  
 REVISION: 00



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Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	15/12/09	SKS	DRAFT DPR SUBMISSION	RP

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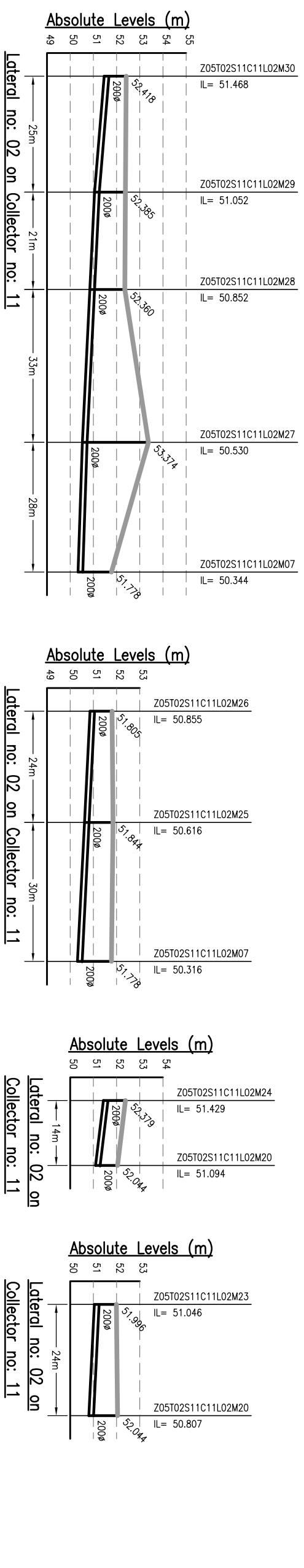
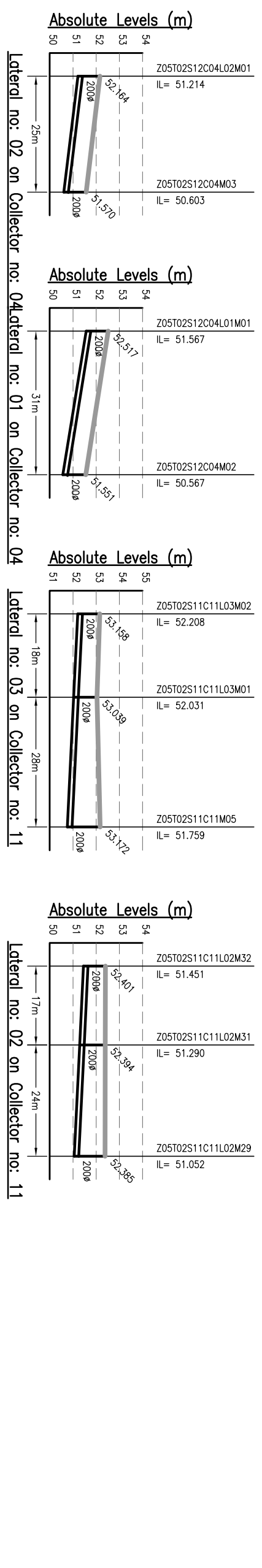
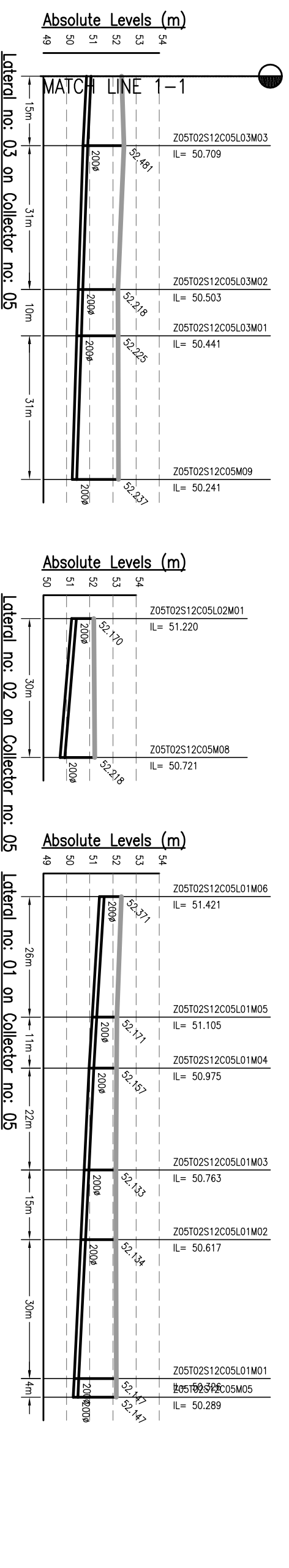
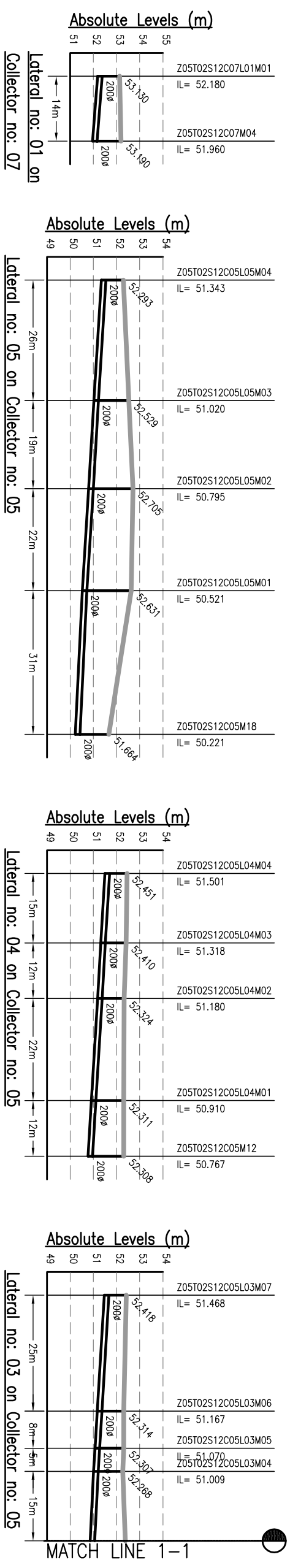
**CONSULTANT:-**  
**MENHARDT**  
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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-2 (SPS-B)**  
(PKT - 5 OF 10)

**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT  
SCALE: H-1000, V-200  
SHEET SIZE: A3

DISCIPLINE	DATE OF ISSUE	REVISION
PH	MAY 2013	00





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4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**BIHAR**  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

PROJECT:-  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS:  
 TENDERING FOR EXECUTION,  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

CONSULTANT:-

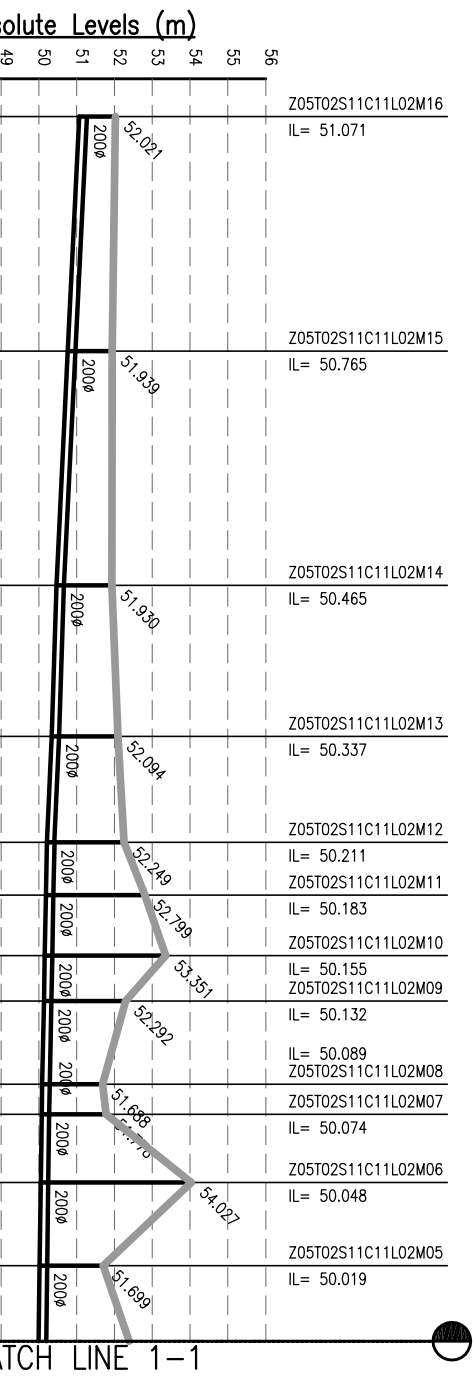
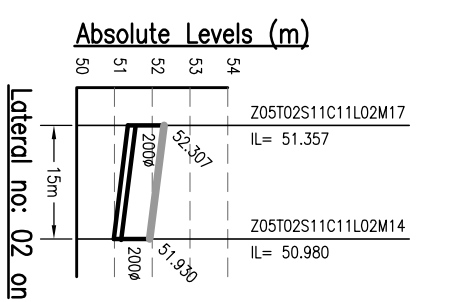
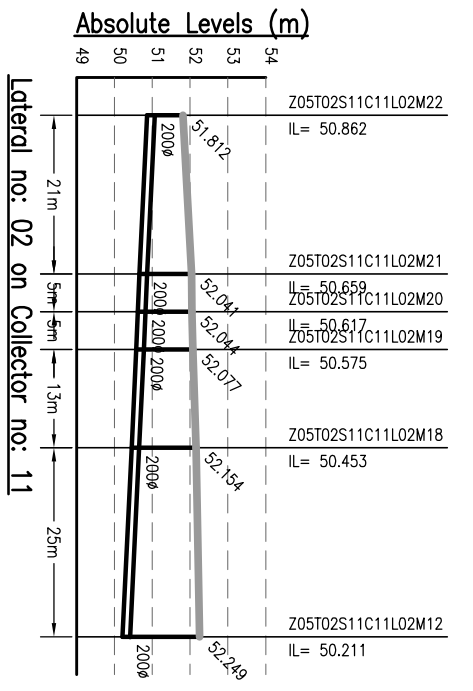
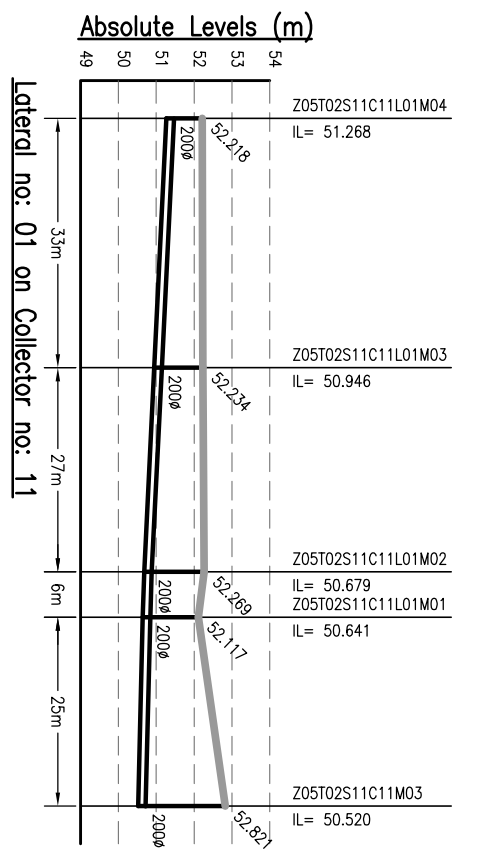
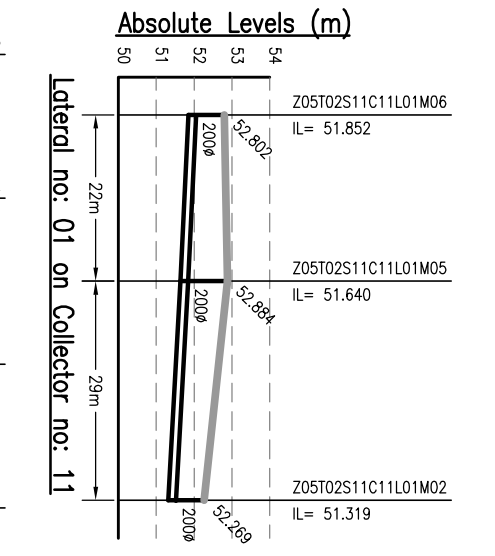
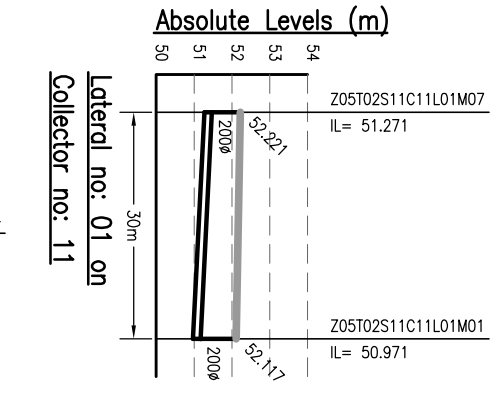
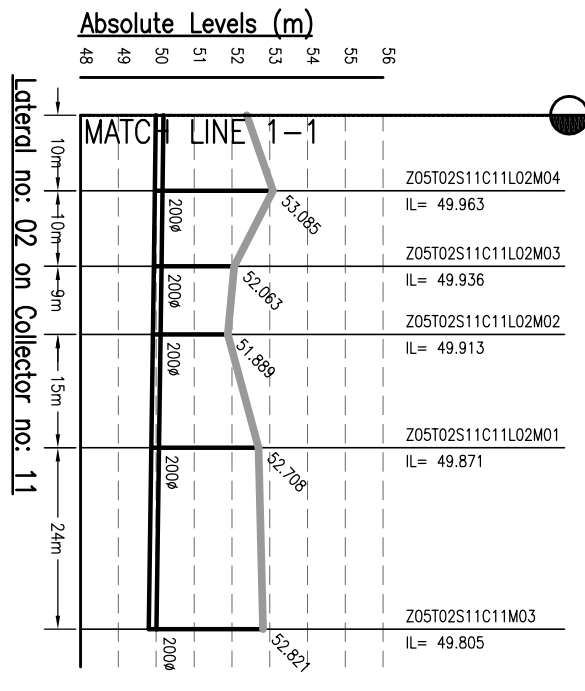
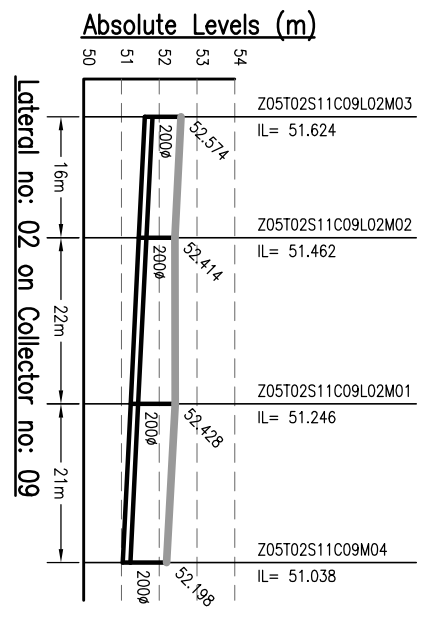
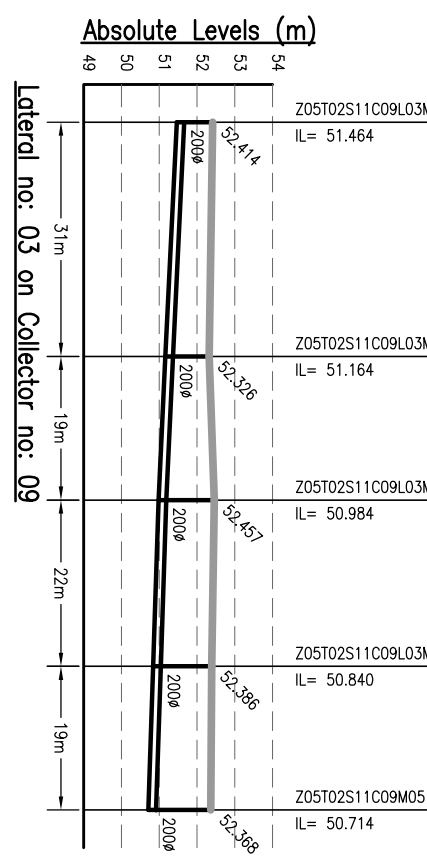
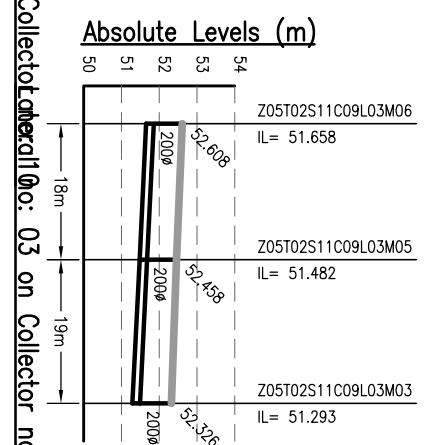
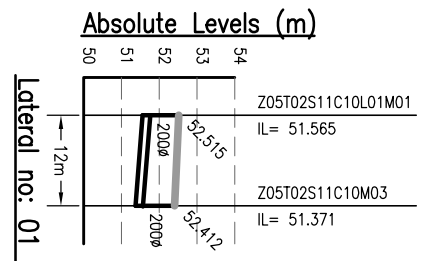
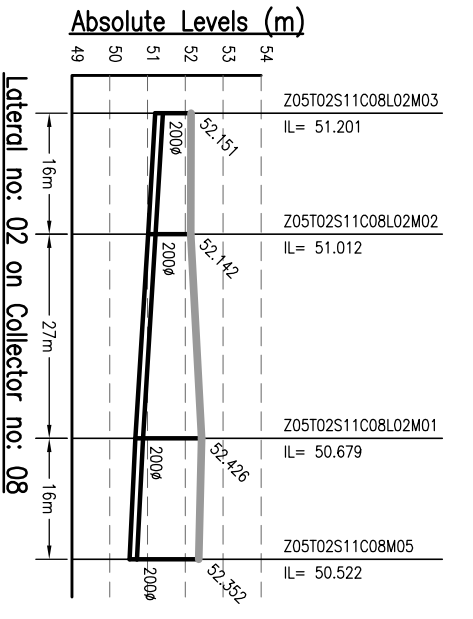
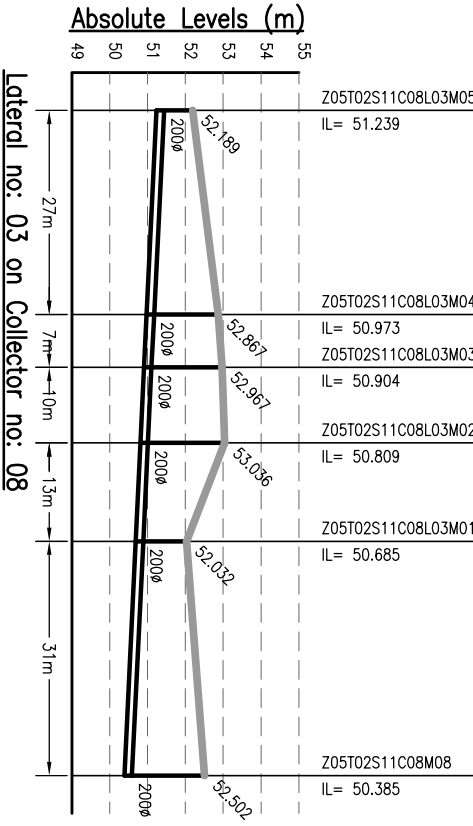
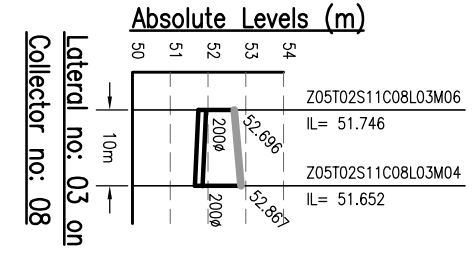
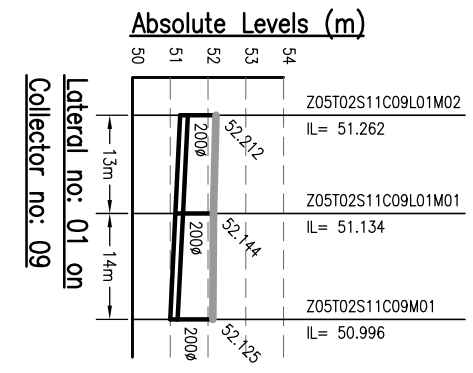
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
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 www.meinhardtingroup.com, Email:- [info@meinhardtdindia.com](mailto:info@meinhardtdindia.com)

DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 6 OF 10)

SCALE: - H-1000, V-200

DATE OF FIRST ISSUE

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-12-L-06	00



DATE: 15/12/2009 10:52:00 AM

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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.


Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**


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 Project: PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS; TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

  
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 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

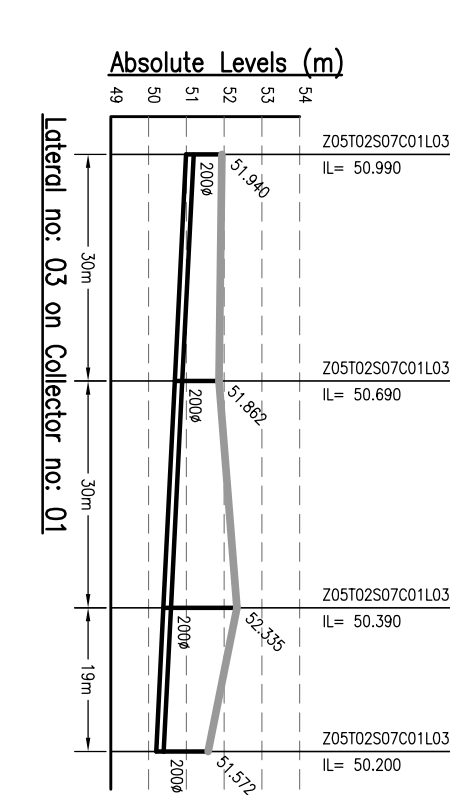
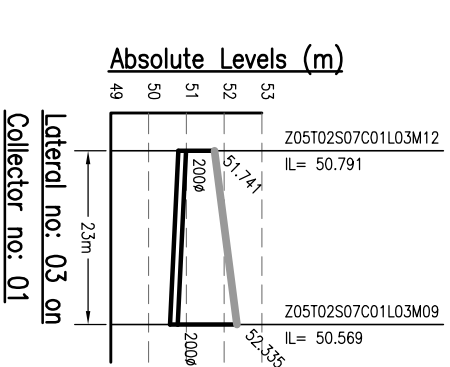
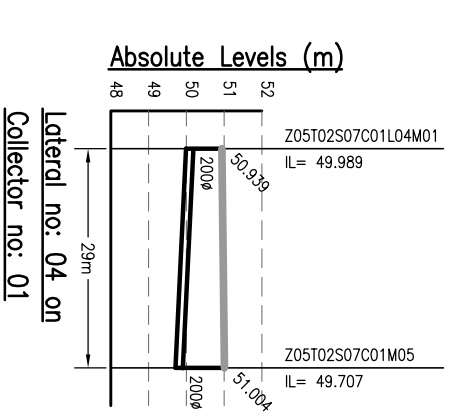
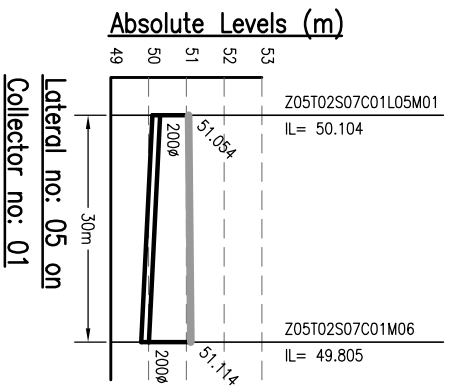
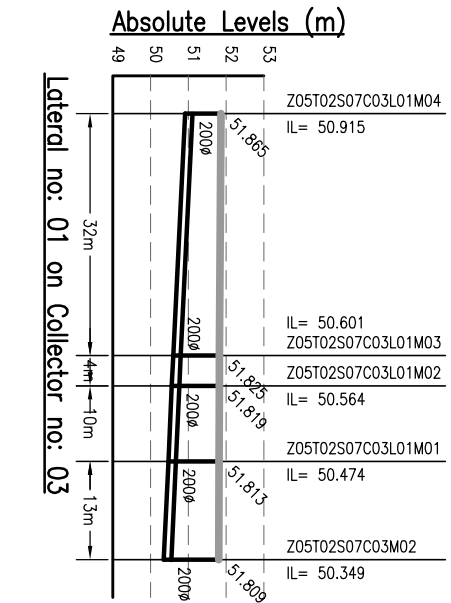
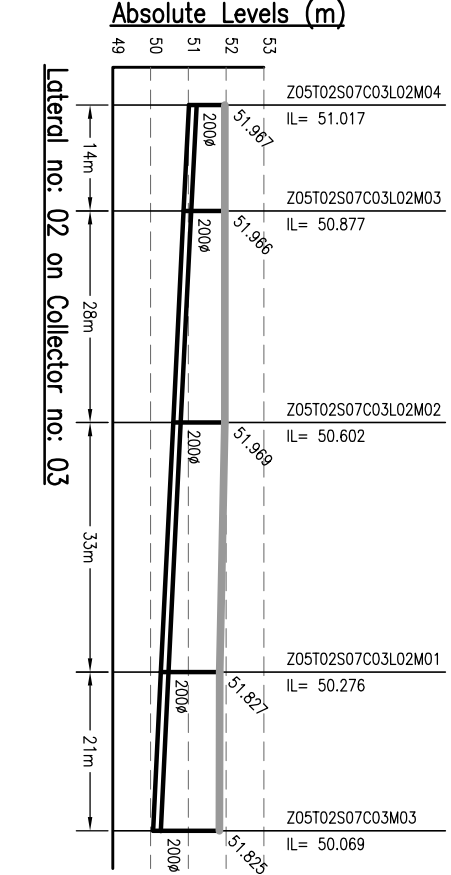
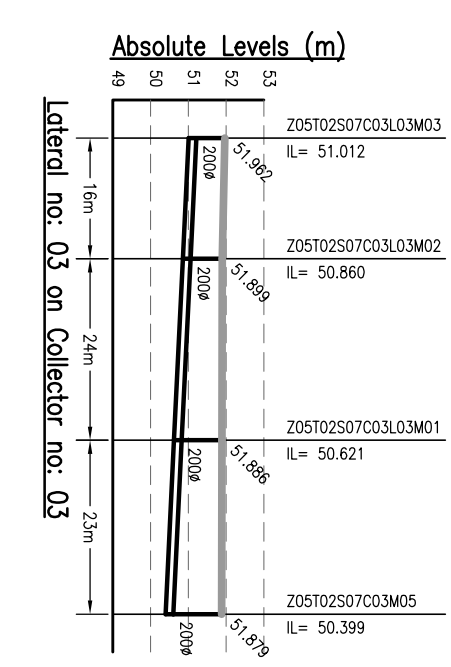
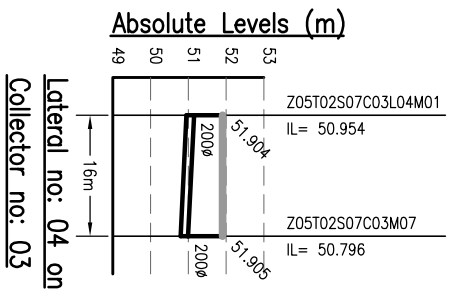
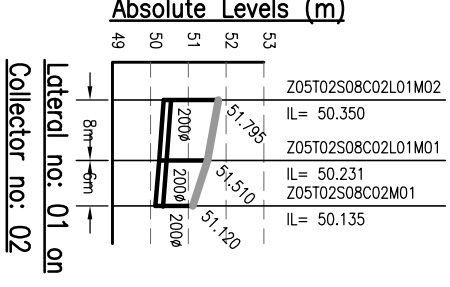
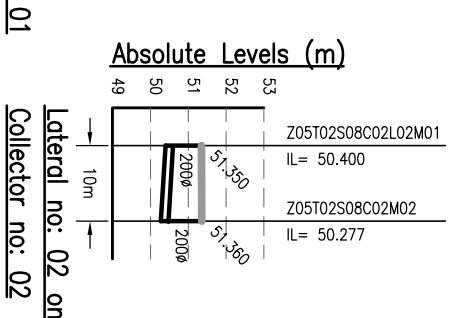
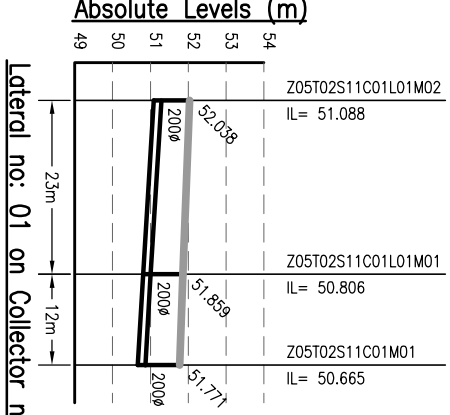
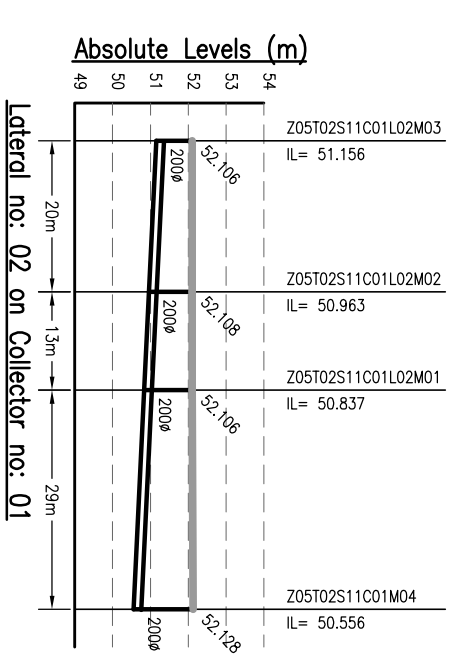
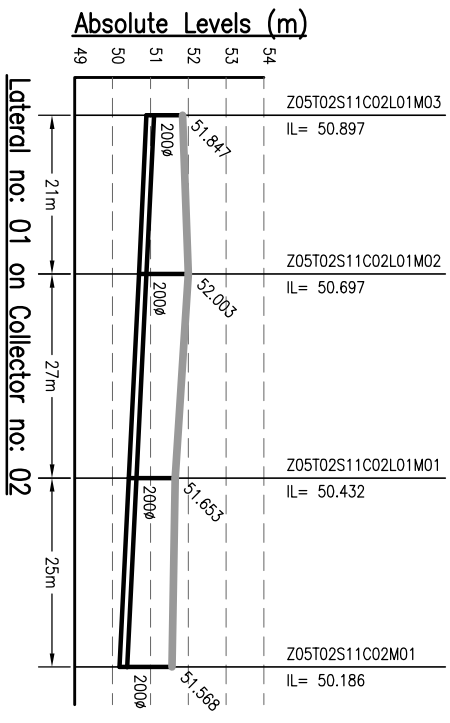
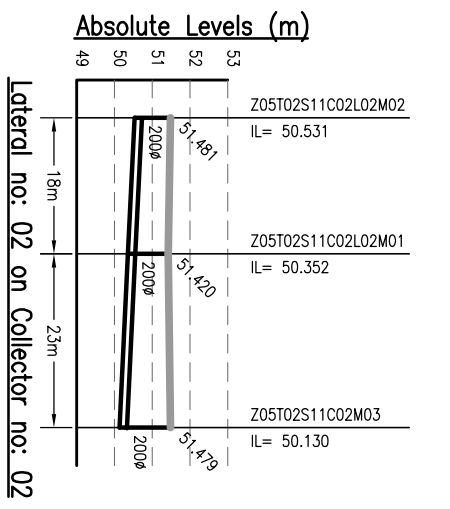
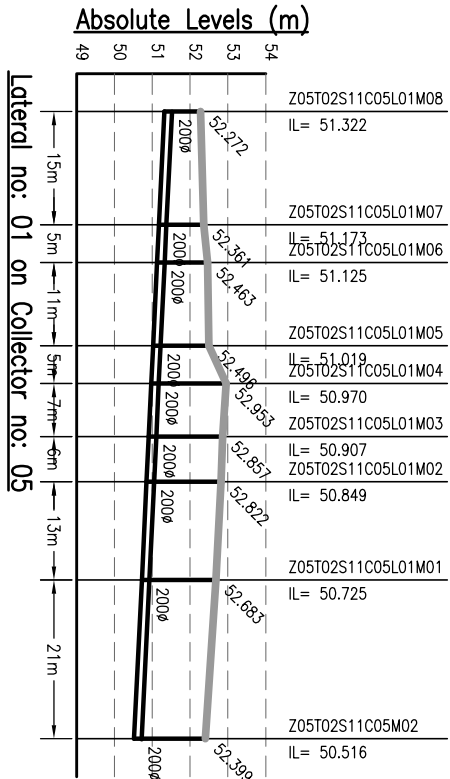
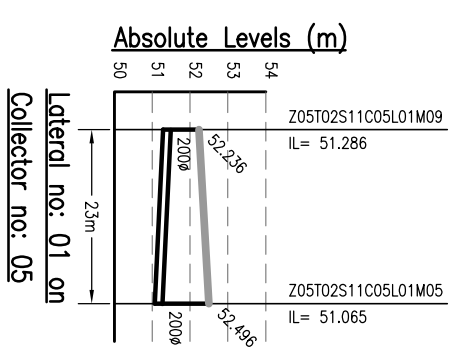
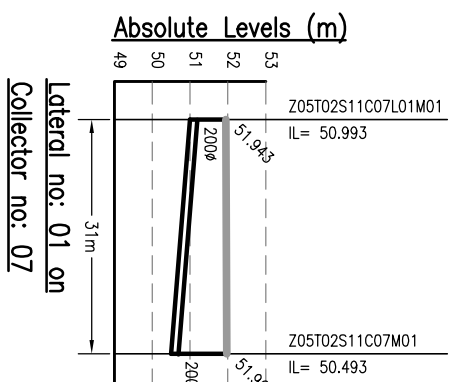
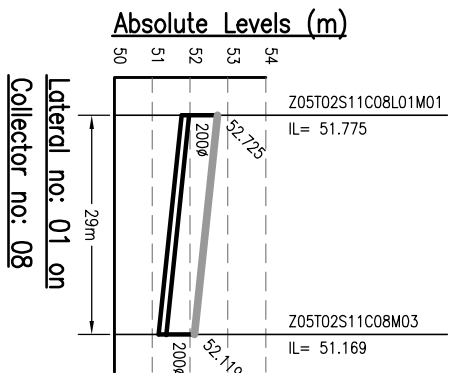
**DRAWING TITLE**  
SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-2 (SPS-B)

**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT (PART - 7 OF 10)

**SCALE**: H-1000, V-200

BY	DATE OF FIRST ISSUE
SKS	MAY 2013

DISCIPLINE	DATE	REVISION
PH	Z5-12-L-07	00




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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 www.bihardc.com, Email: info@bihardc.com

**PROJECT:-**  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:**  
**TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

**CONSULTANT:-**  
  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 P.O.:- +91 120 2516165, Fax No.:- +91 120 2515745  
 www.meinhardtgroup.com, Email:- info@meinhardtindia.com

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 8 OF 10)

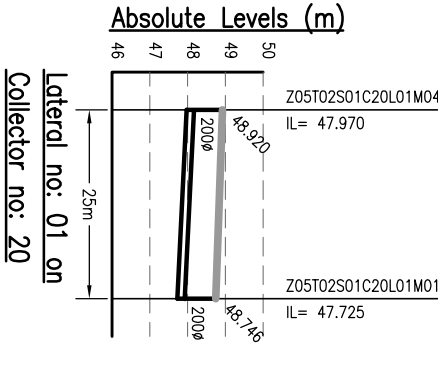
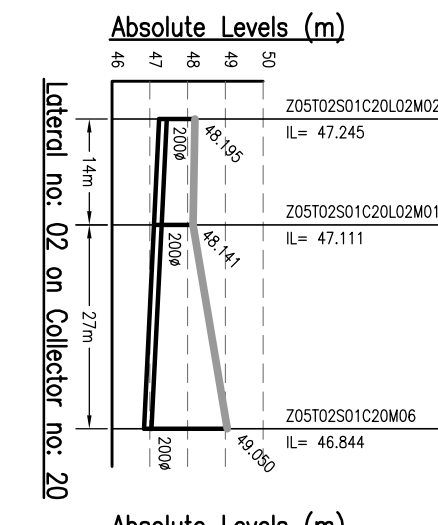
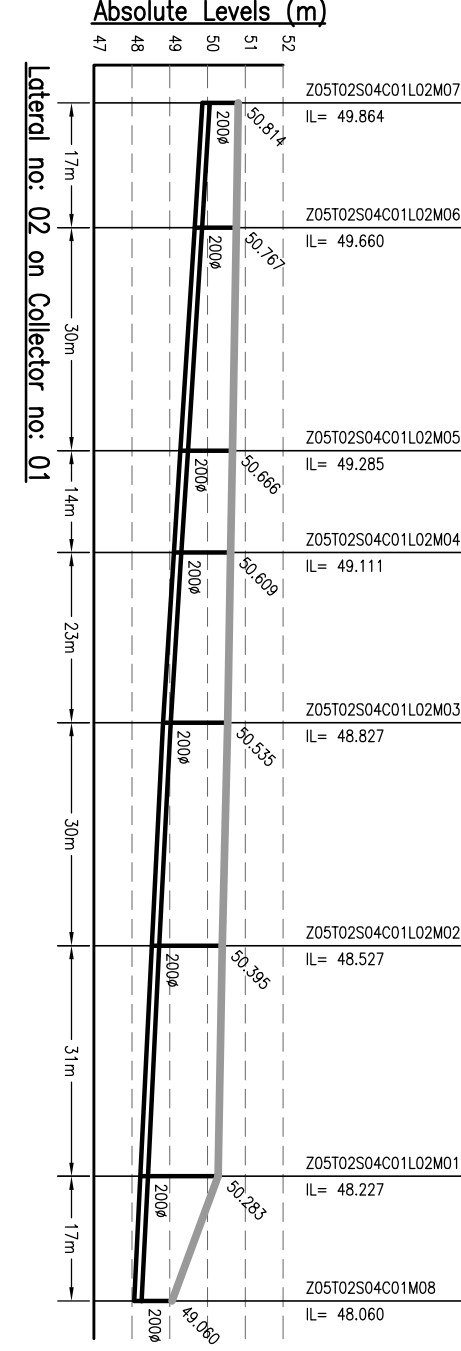
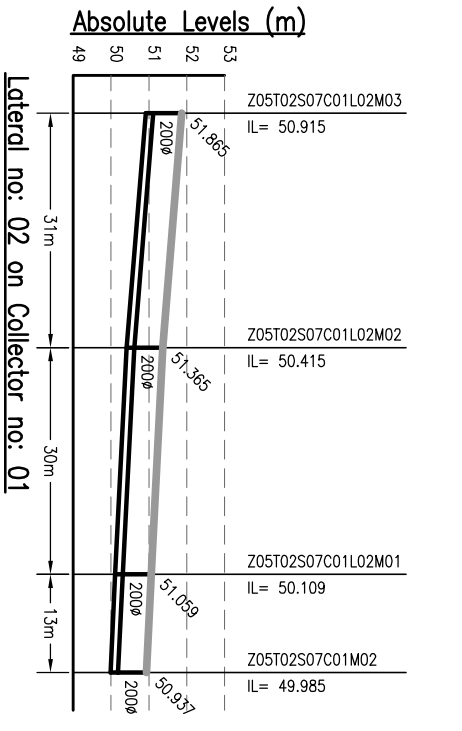
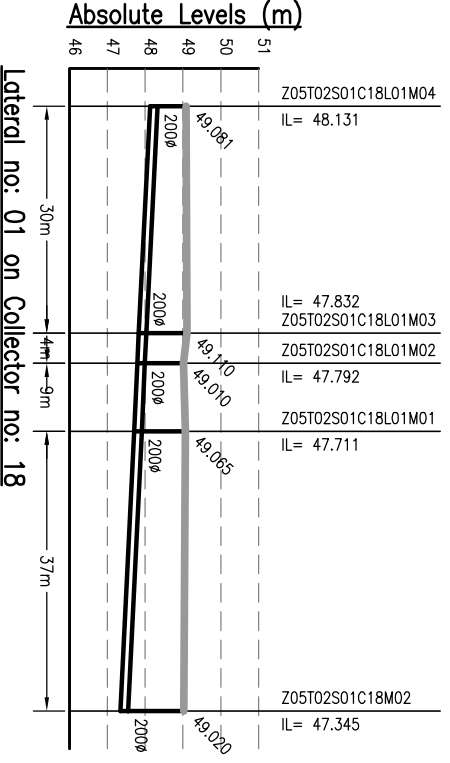
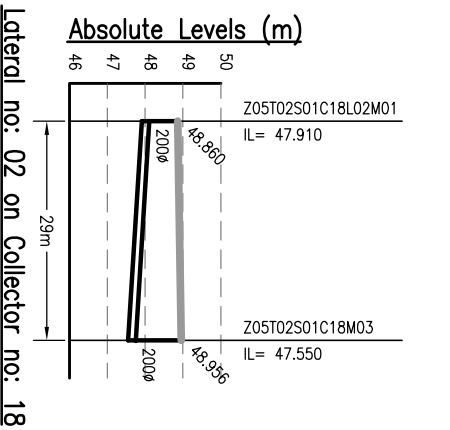
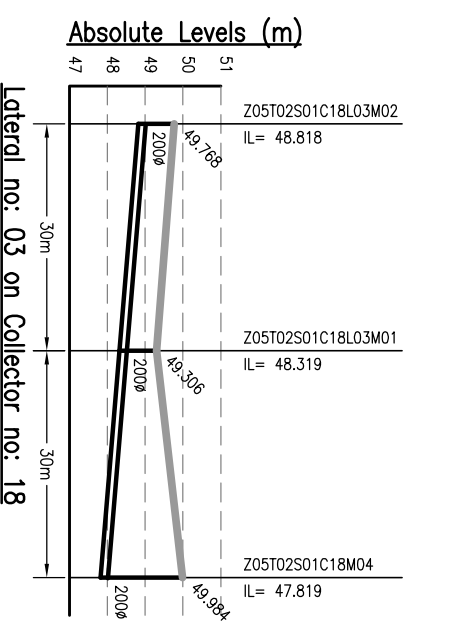
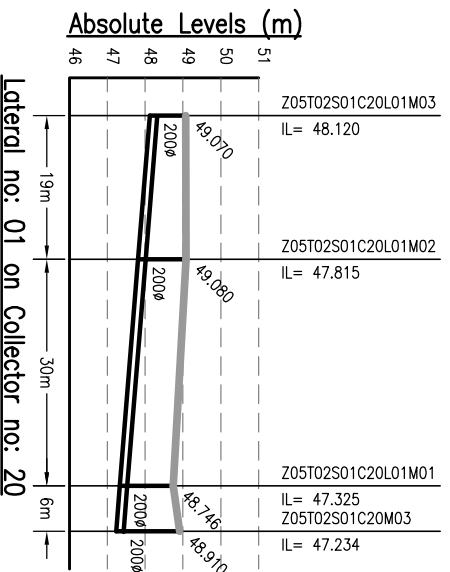
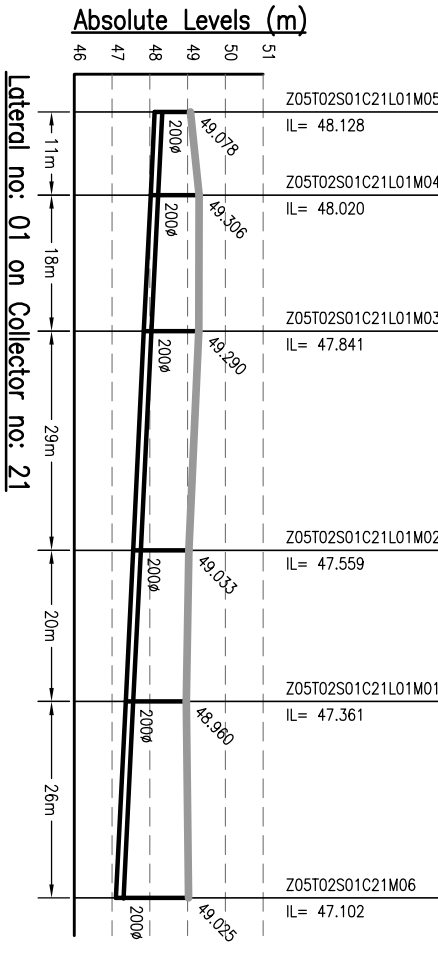
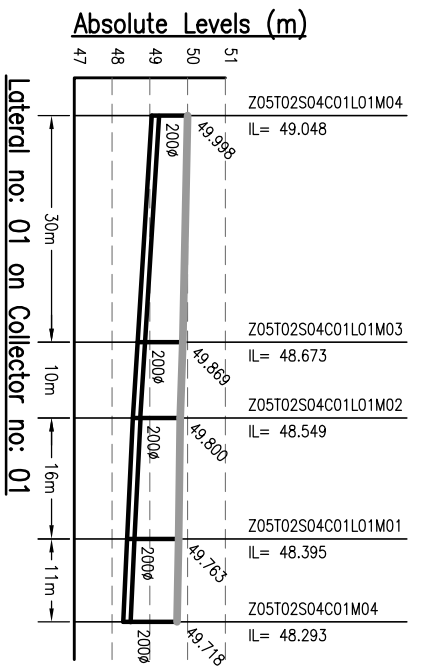
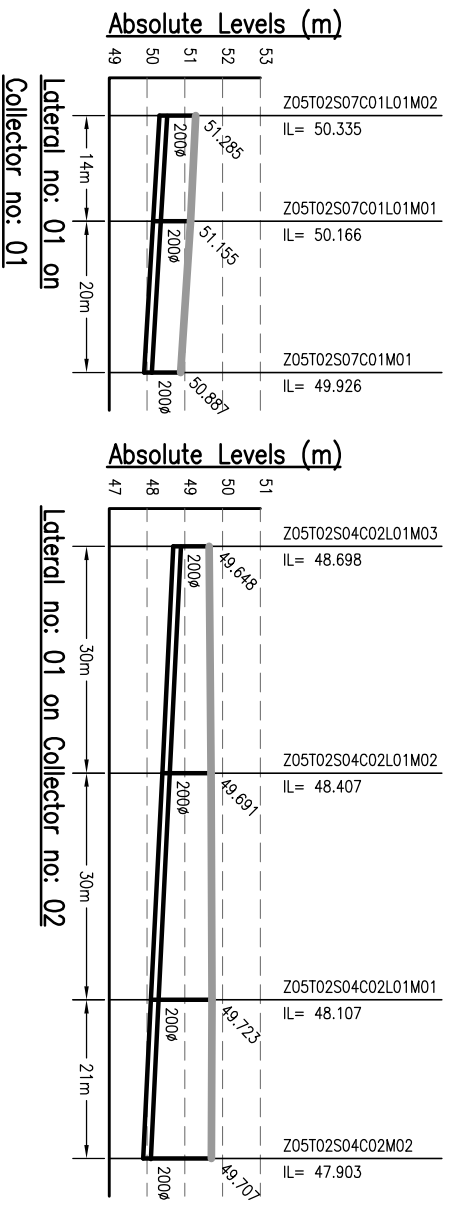
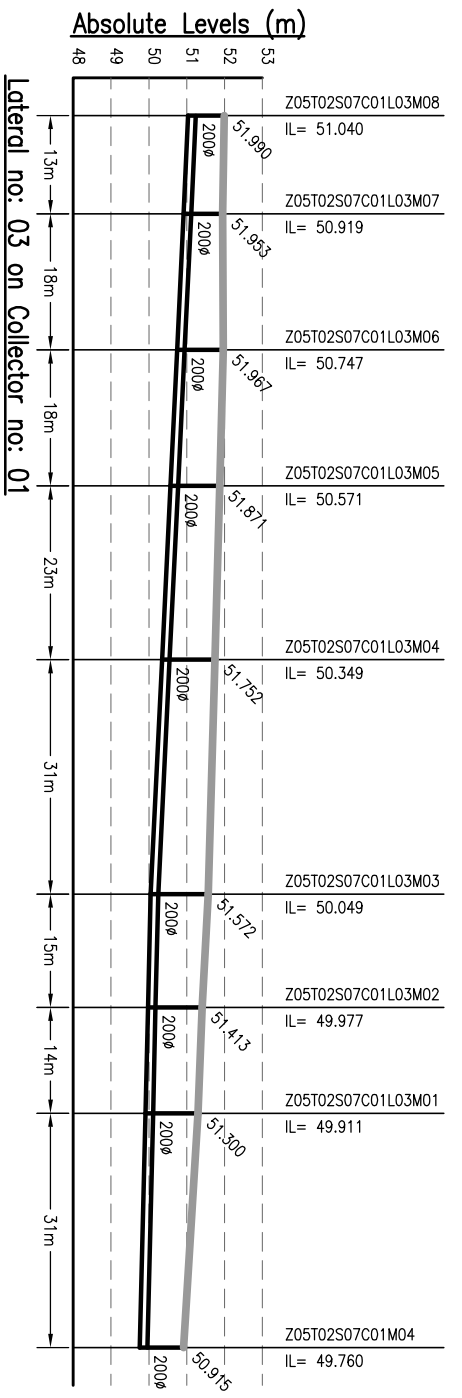
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**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**BY** SKS  
**DESIGNED** JR  
**CHECKED** RP  
**APPROVED** CRR  
**DATE OF FIRST ISSUE** MAY 2013  
**DATE OF THIS ISSUE** MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-12-L-08	00





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Drawing Base Reference:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

NO	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Website: [www.meinhardt.com](http://www.meinhardt.com)

**BIHAR**  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

**PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS:  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM**

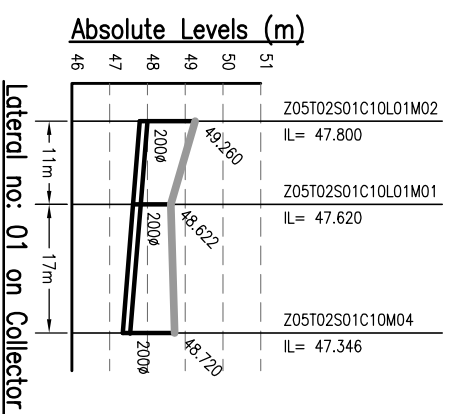
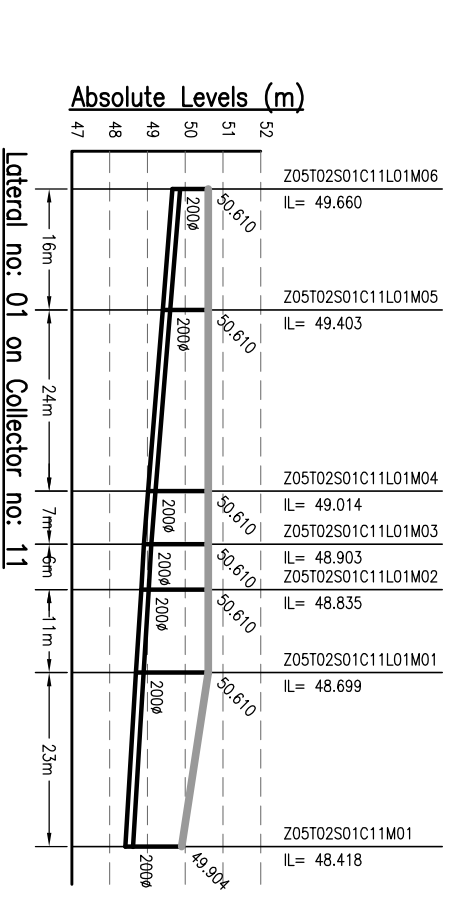
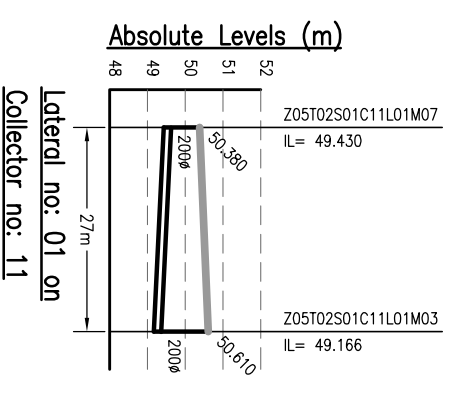
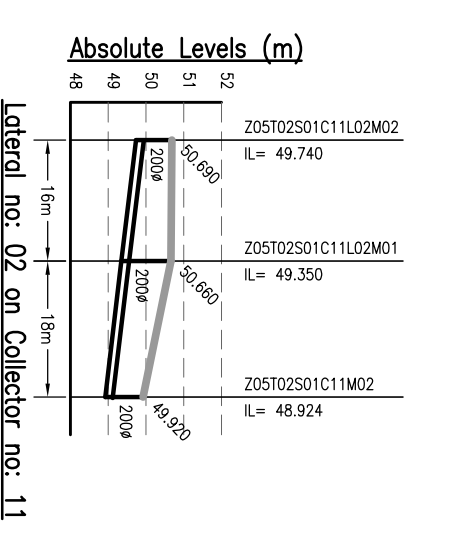
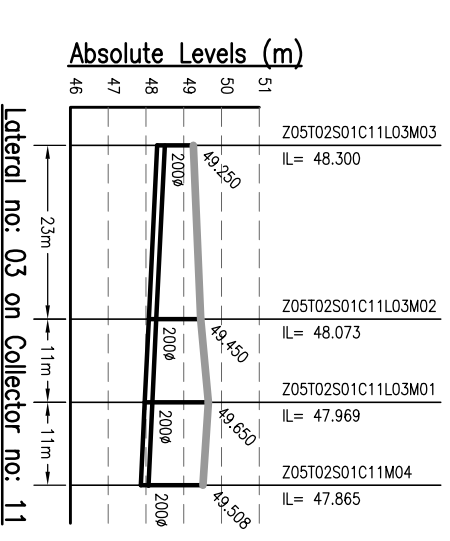
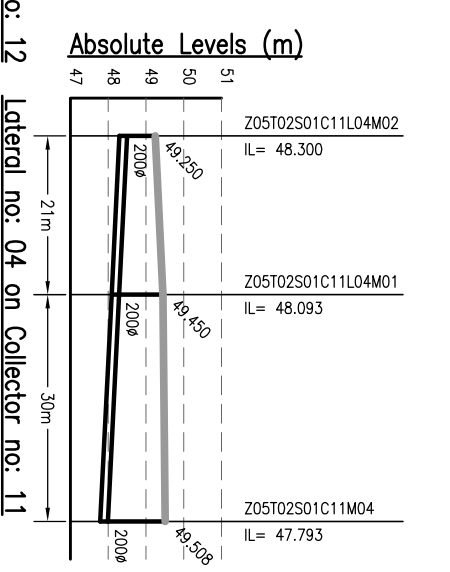
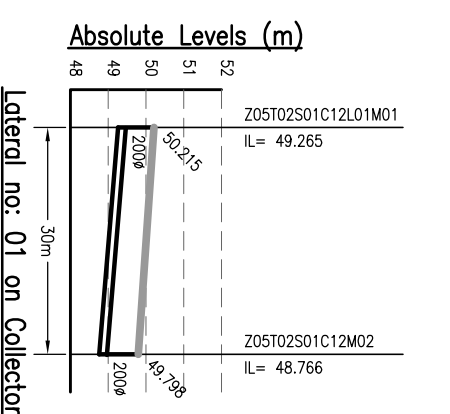
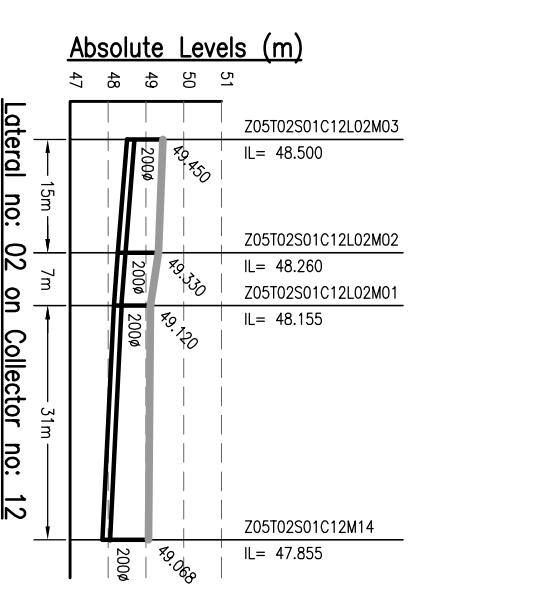
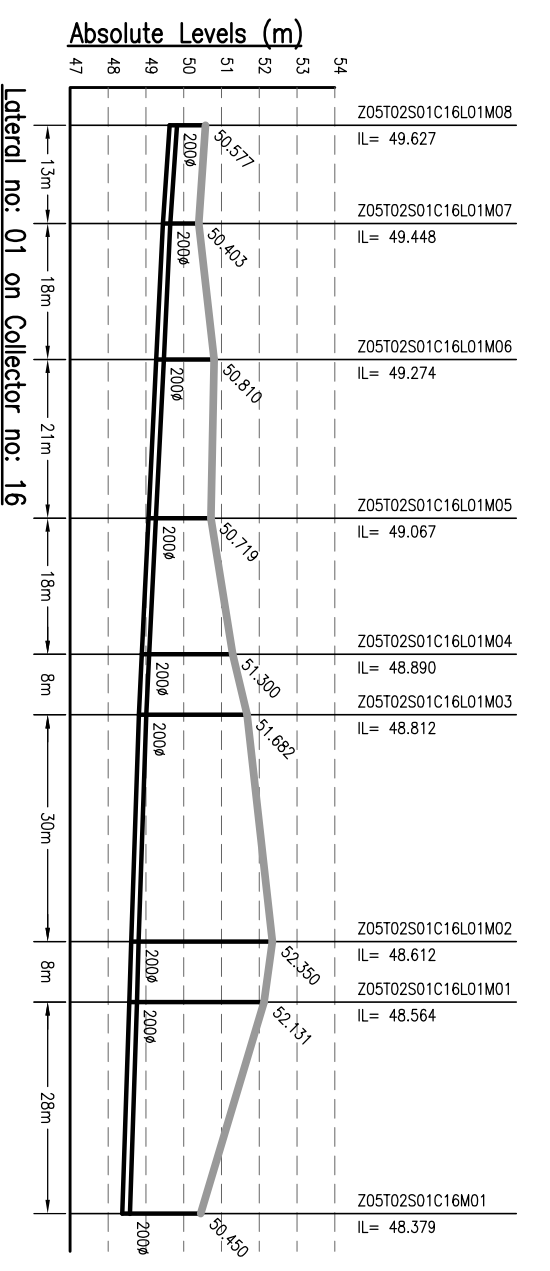
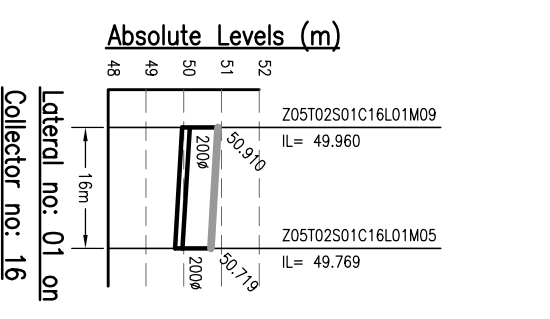
CONSULTANT:-  
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DRAWING TITLE  
**SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 9 OF 10)**

PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

BY	DATE OF FIRST ISSUE
SKS	MAY 2013
JR	MAY 2013
RP	MAY 2013
CRR	MAY 2013

JOB NO. **1092.01** DISCIPLINE **PH** DRAWING NO. **Z5-12-L-09** REVISION **00**



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Drawing Base Reference:-  
**PMC WORK ORDER 3498, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

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 DEVELOPMENT CORPORATION

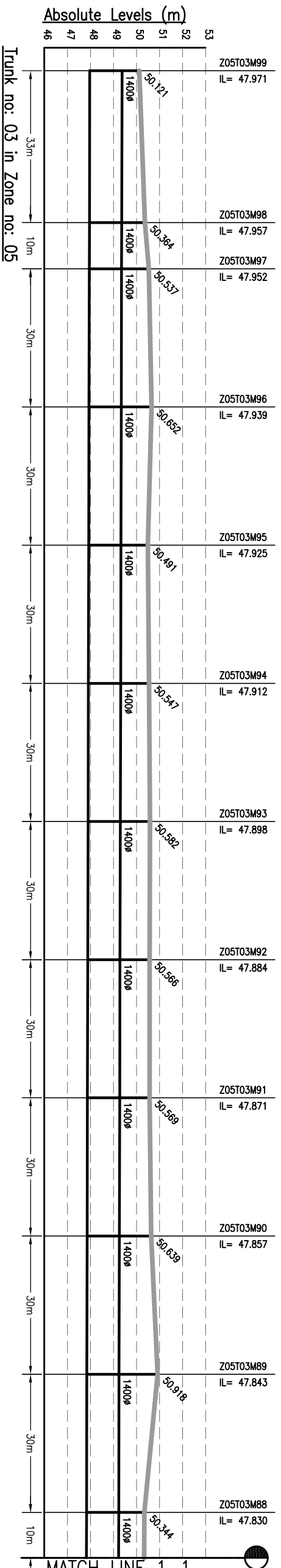
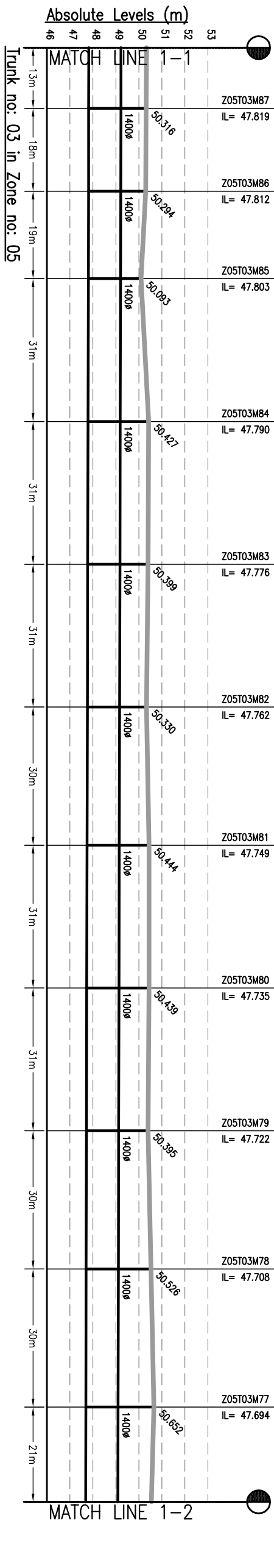
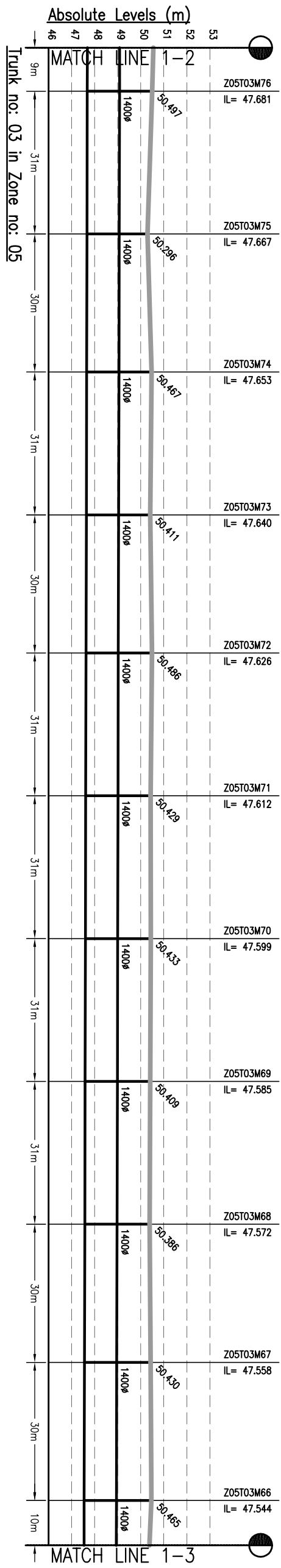
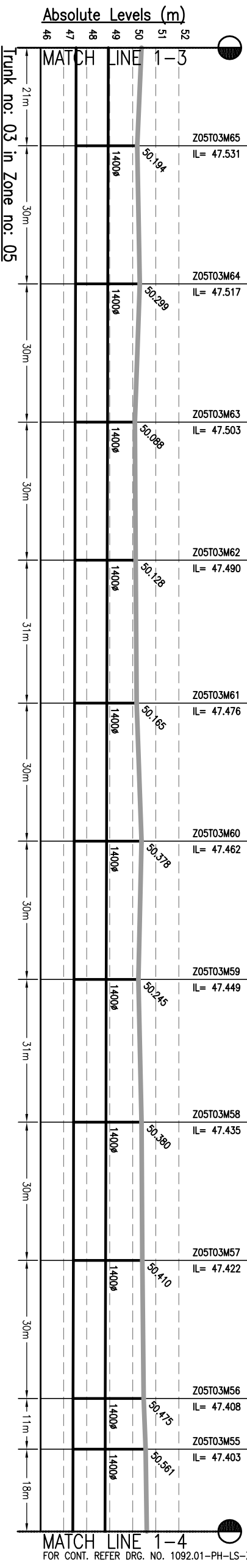
**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-2 (SPS-B)**

DISCIPLINE	REVISION
PHI	Z5-12-L-10
00	00

**JOB NO. 1092.01**



DATE PLOTTED: 04/09/2013 10:40:00 AM

MATCH LINE 1-4  
FOR CONT. REFER DRG. NO. 1092.01-PH-LS-Z5-T3-02

MATCH LINE 1-3

MATCH LINE 1-2

MATCH LINE 1-1

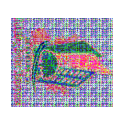
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Drawing Base Reference:  
PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.

REV	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

**AMENDMENTS**



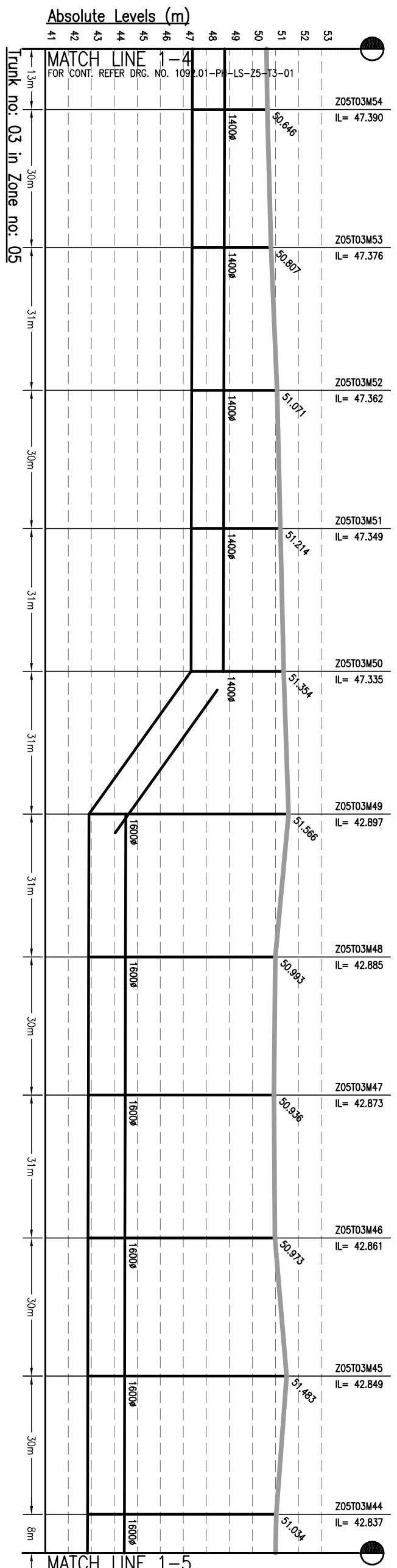
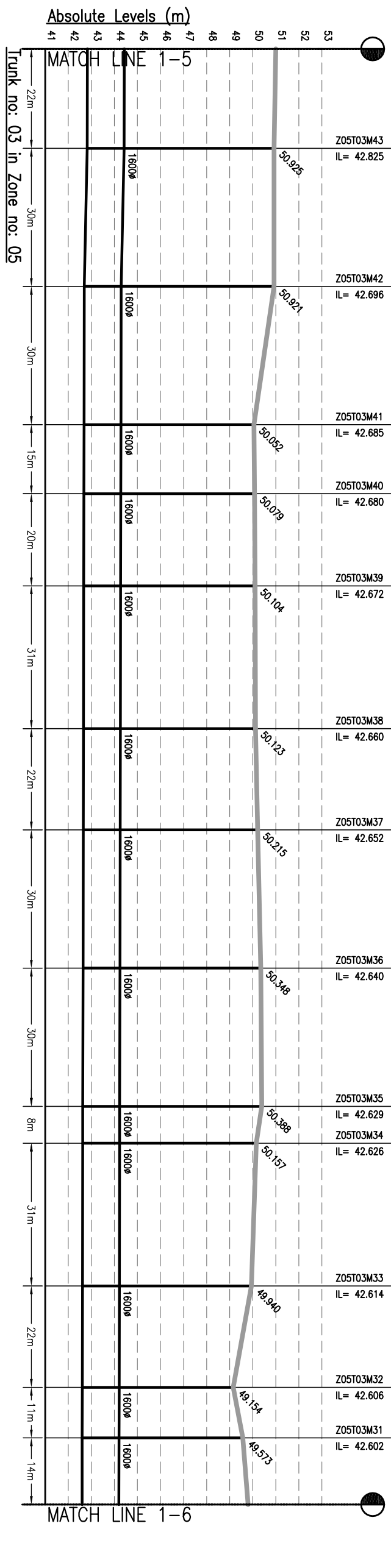
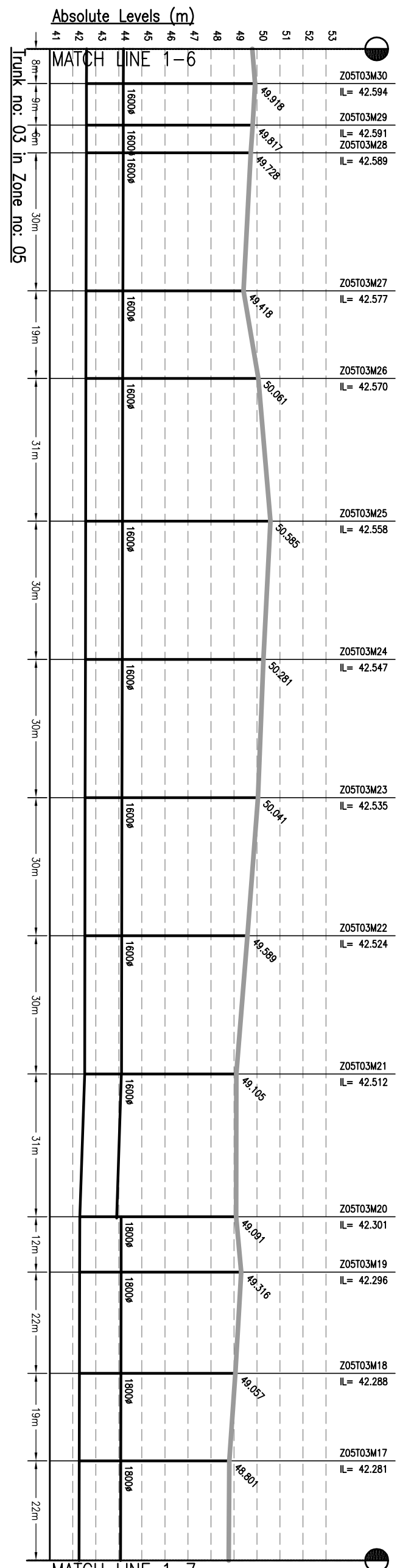
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SINGAPORE PTE. LTD.  
URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
BIHAR

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URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
BIHAR

DISCIPLINE	DATE	BY	REVISION
PH	Z5-11-01	PH	00





MATCH LINE 1-7  
FOR CONT. REFER DRG. NO. 1092.01-PH-LS-Z5-T3-03

MATCH LINE 1-6

MATCH LINE 1-5

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Drawing Based Reference:-  
**PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.**

**AMENDMENTS**

REV/	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

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**CONSULTANT:-**  
**MEINHARDT**  
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A-8, Sector-16, Noida-201301, India  
Ph:- +91 120 2516166, Fax No:- +91 120 2515745  
www.meinhardtgroup.com, Email:-info@meinhardtindia.com

**DRAWING TITLE**  
SEWERAGE L-SECTION OF TRUNK ZONE-5, TRUNK-3 (AGAM KUAN) (PKM - 2 OF 2)

**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

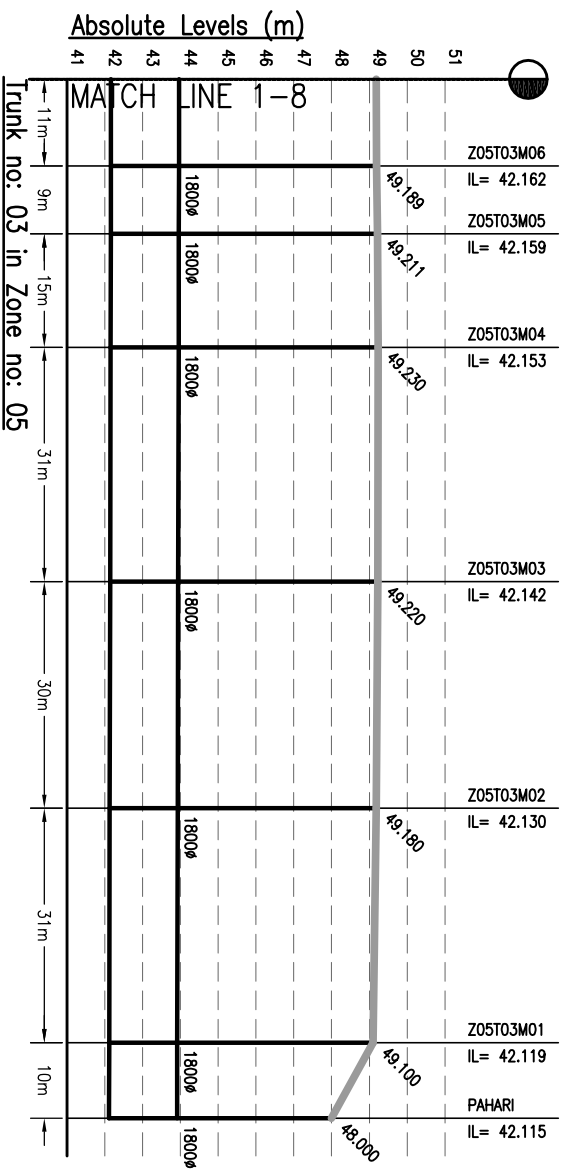
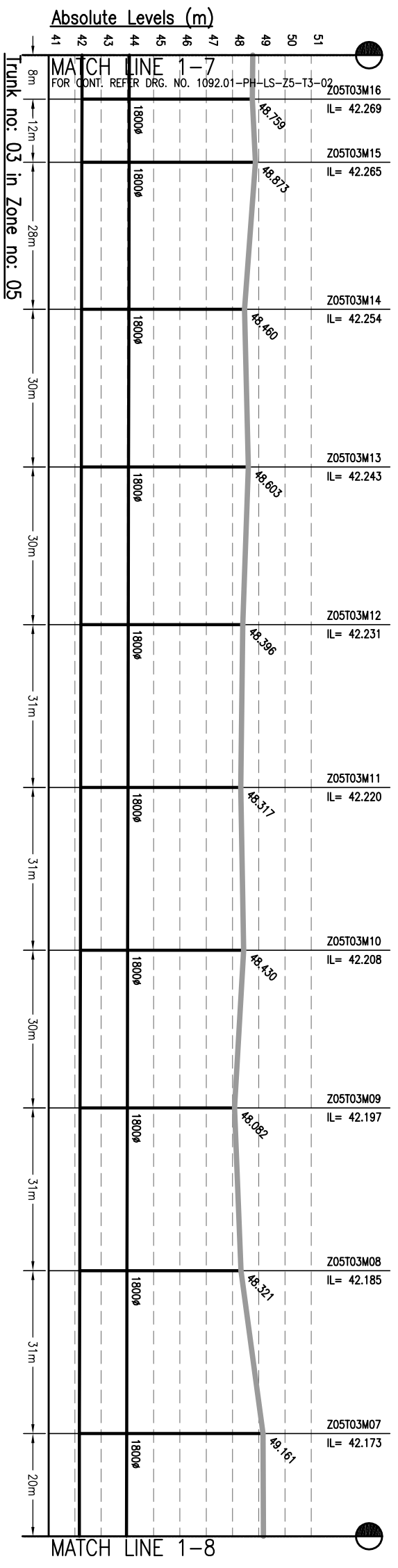
**SCALE:-** H-1000, V-200

**PURPOSE OF ISSUE**  
DETAILED PROJECT REPORT (SEWERAGE)

**DRAWN BY** AH  
**DESIGNED BY** NS  
**CHECKED BY** RP  
**APPROVED BY** CR

**DATE OF FIRST ISSUE** SEPTEMBER 2013  
**DATE OF THIS ISSUE** SEPTEMBER 2013

**JOB NO.** 1092.01  
**DISCIPLINE** PH  
**DRAWING NO.** Z5-11-02  
**REVISION** 00



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Drawing Based Reference:  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV/	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

**AMENDMENTS**

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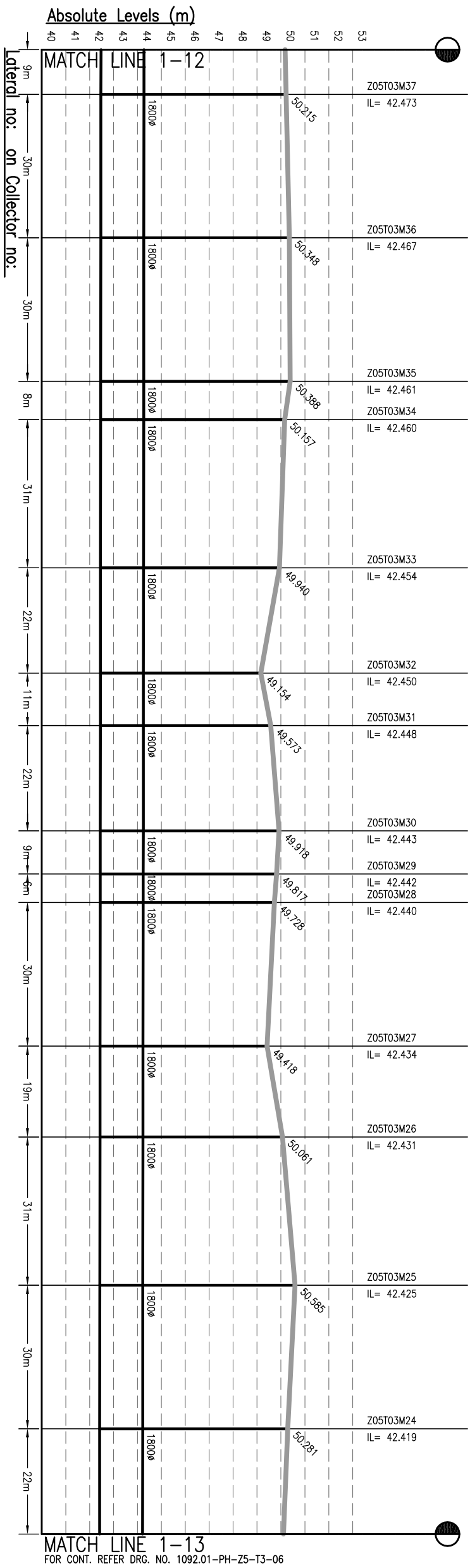
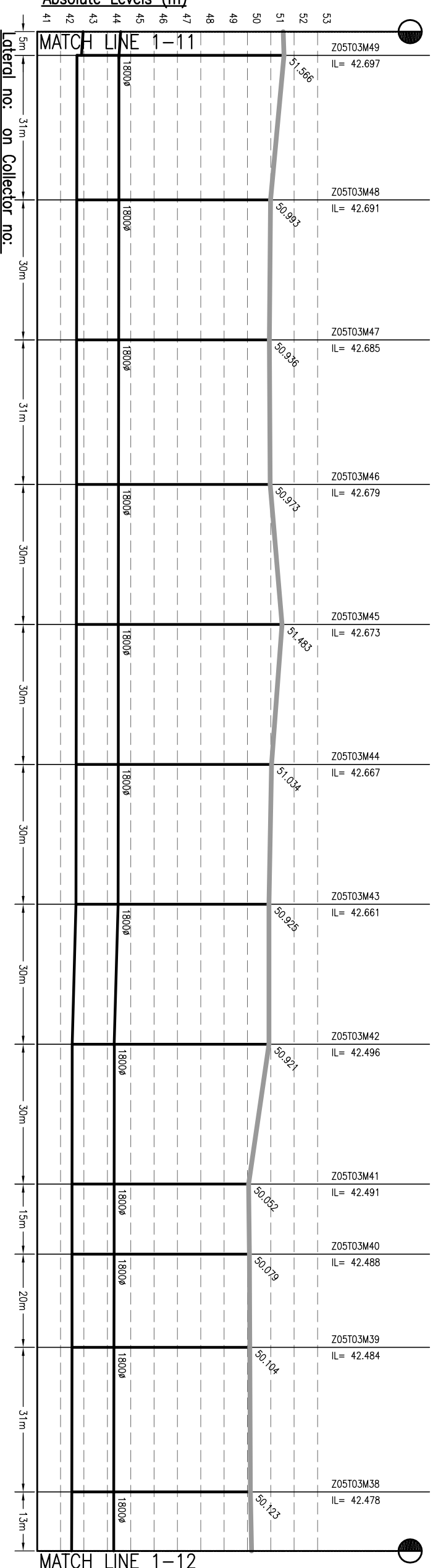
**CONSULTANT:-**  
**MENHARDT**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303 Malacca Tower,  
 400, 401, 402,  
 Phone: +65 22010171 Fax: +65 22010183  
 Website: http://www.menh.com.sg

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE  
 PROJECTS OF PATNA UNDER NGRBA

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF TRUNK**  
**ZONE-5, TRUNK-3 (AGAM KUAN)**  
 (Part - 2 of 3)

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF TRUNK**  
**ZONE-5, TRUNK-3 (AGAM KUAN)**  
 (Part - 2 of 3)

PURPOSE OF ISSUE	SCALE	DATE OF FIRST ISSUE
DETAILED PROJECT REPORT (SEWERAGE)	H-1000, V-200	
DRAWN BY	AH	SEPTEMBER 2013
DESIGNED BY	MS	SEPTEMBER 2013
CHECKED BY	RP	SEPTEMBER 2013
APPROVED BY	CR	SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-11-03
		REVISION
		00



MATCH LINE 1-13  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-06

MATCH LINE 1-12

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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**CLIENT:-**  
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DEVELOPMENT CORPORATION

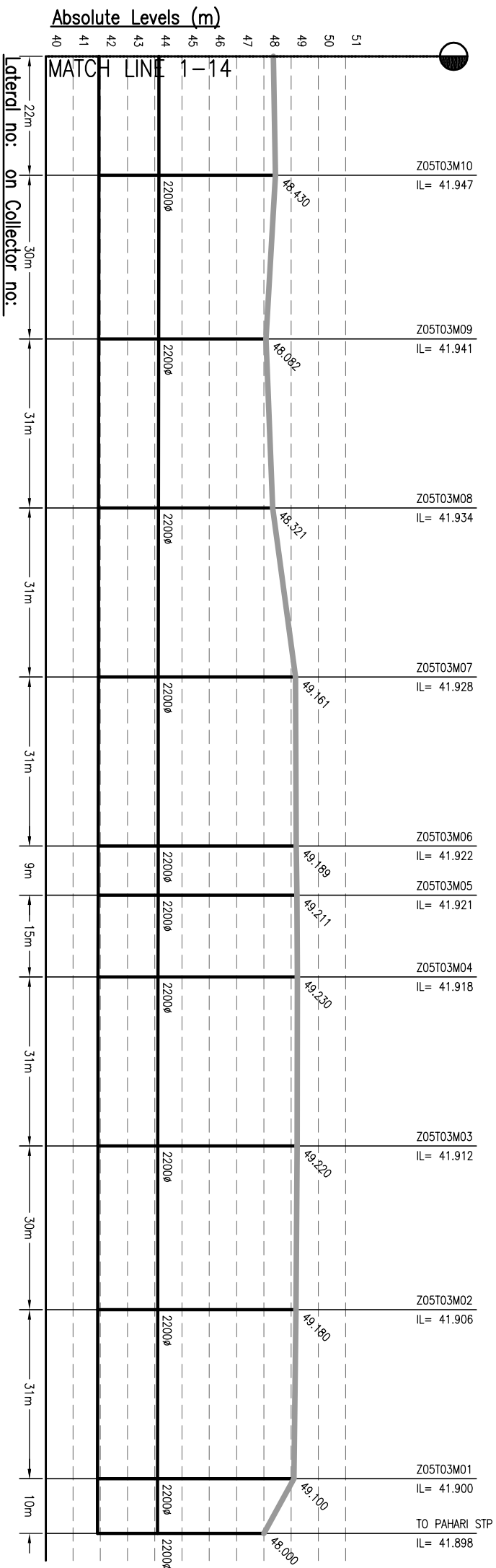
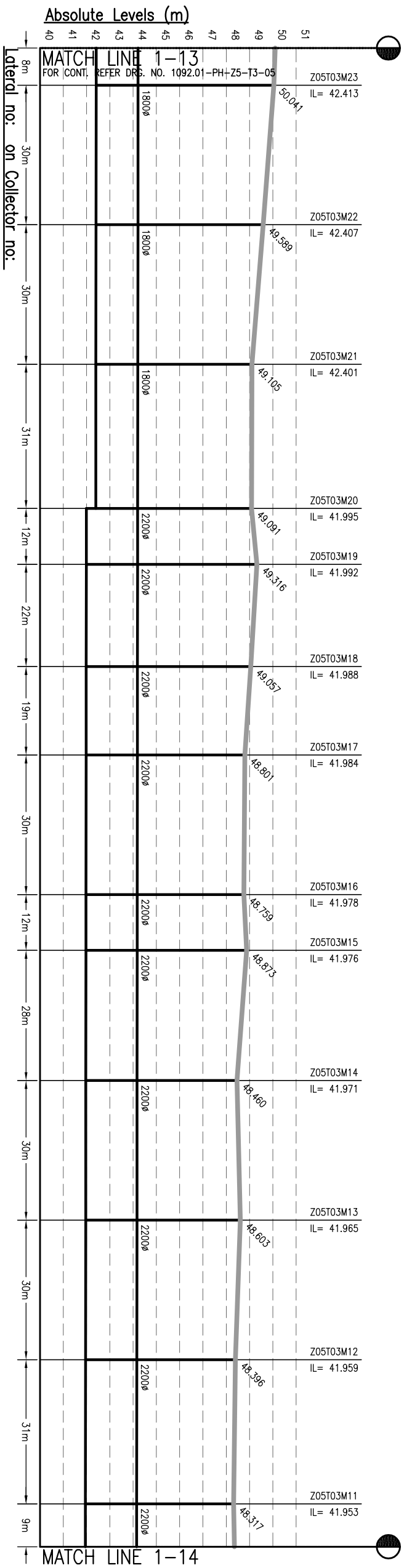
**PROJECT:-**  
PREPARATION OF DETAILED  
PROJECT REPORTS (DPRS) & BID  
DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA  
UNDER JNNURM

**CONSULTANT:-**  
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A-8, Sector-16, Noida-201301, India  
Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
www.meinhardtgroup.com, Email:-info@meinhardtindia.com

**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF TRUNK  
ZONE-5, TRUNK-3 (STP)  
(PART - 5 OF 6)

PURPOSE OF ISSUE	SCALE	DATE OF FIRST ISSUE
DRAFT DETAILED PROJECT REPORT	H-1000, V-200	
DRAWN	BY	DATE
DESIGNED	JR	MAY 2013
CHECKED	RP	MAY 2013
APPROVED	CRR	MAY 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-T3-05
		REVISION
		00





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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-Z5-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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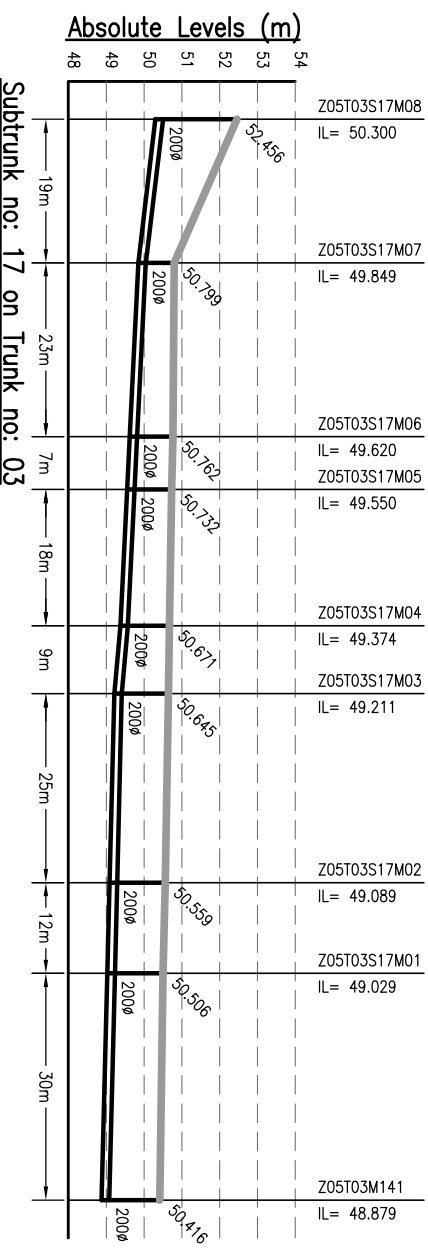
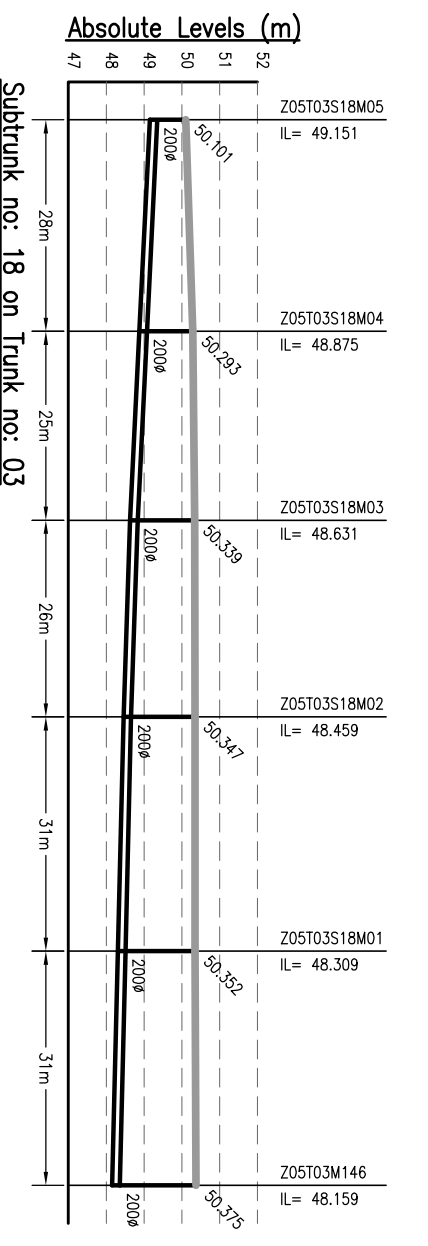
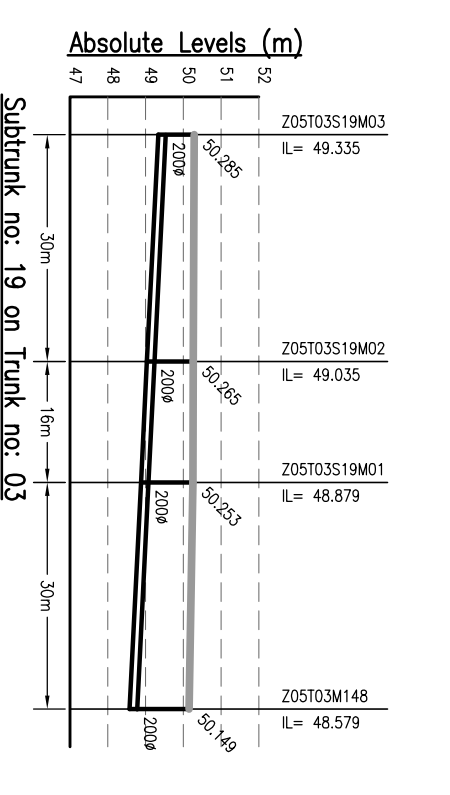
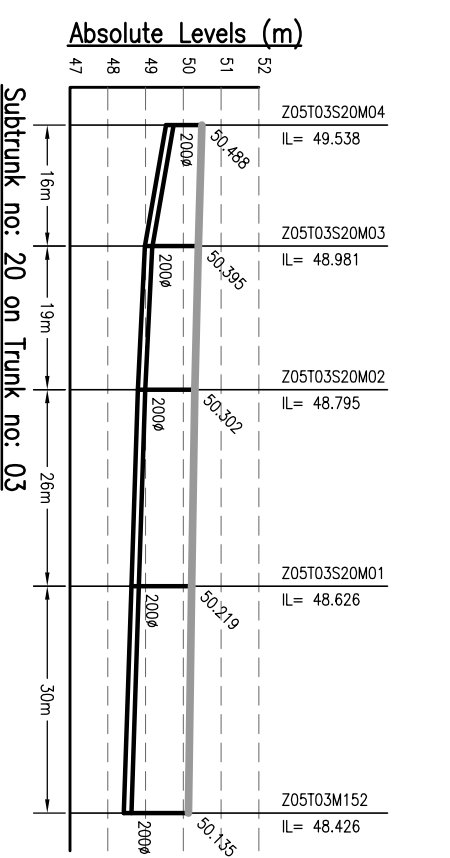
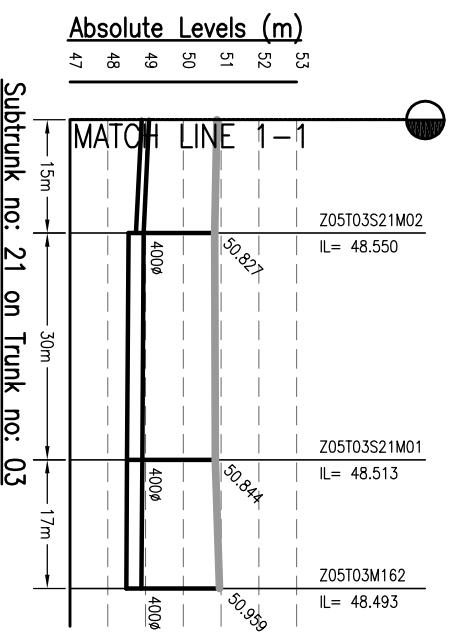
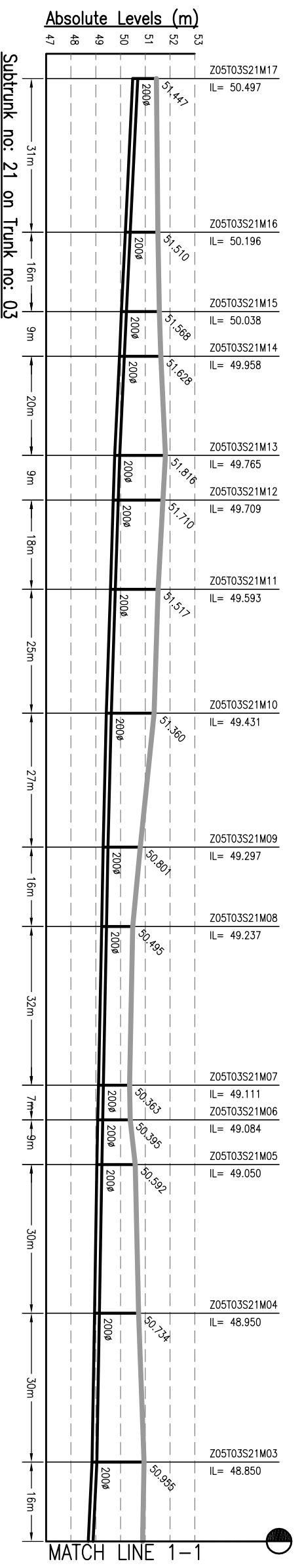
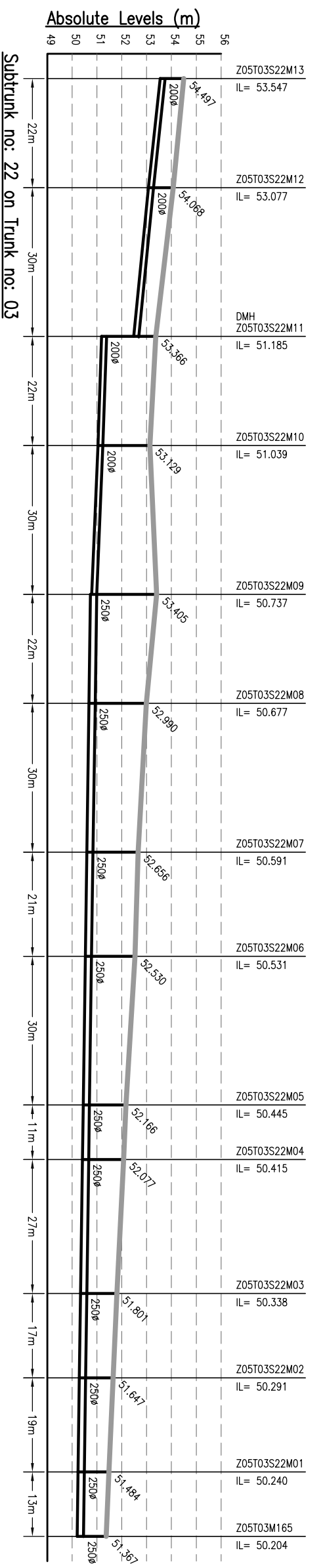
**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
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 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: info@meinhardtindia.com

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF TRUNK**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 6 OF 6)

DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-T3-06	00



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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Phone: +65 6722 0101, Fax: +65 6722 0103  
 Website: [www.bidc.govt.nic.in](http://www.bidc.govt.nic.in)

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

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 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

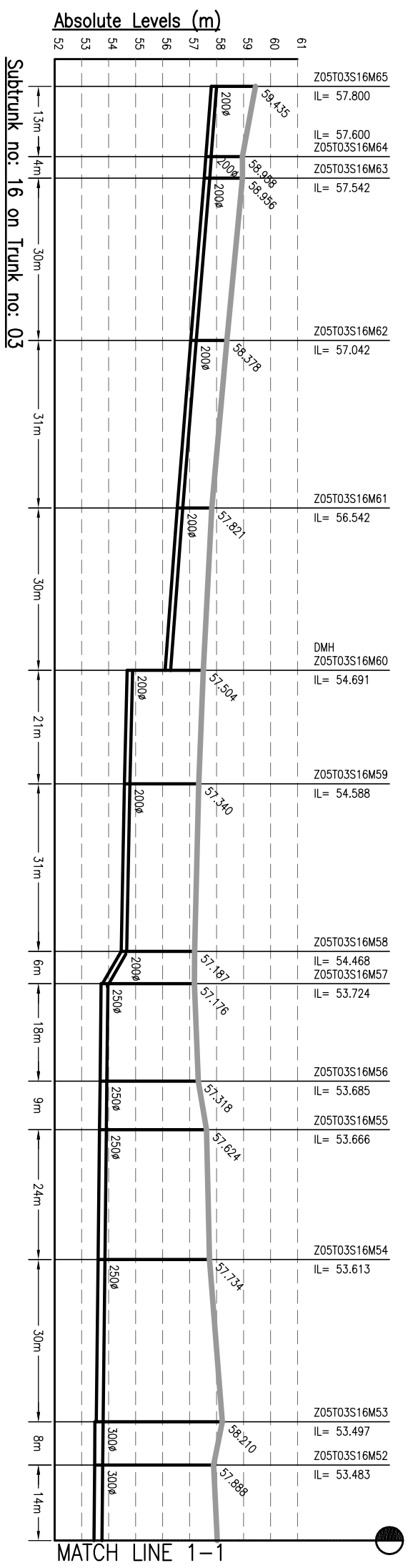
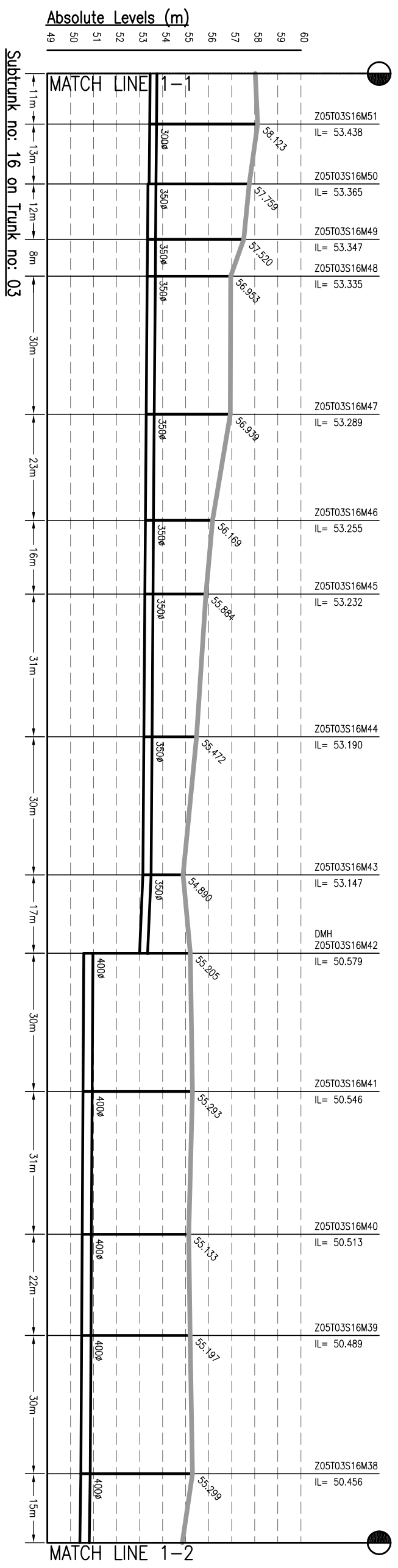
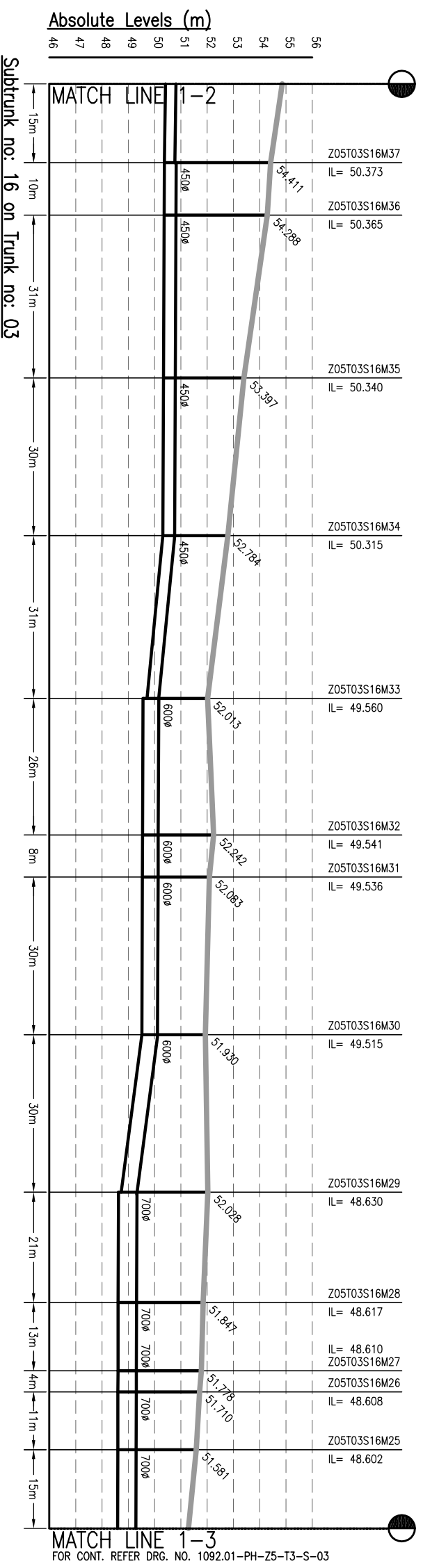
**DRAWING TITLE**  
 SEWERAGE L-SECTION OF SUBTRUNK ZONE-5, TRUNK-3 (STP)

**SCALE:-** H-1000, V-200

DISCIPLINE	DATE OF FIRST ISSUE	SHEET SIZE
REPORT		A3

BY	DATE
SKS	MAY 2013
JR	MAY 2013
RP	MAY 2013
CRR	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-S-01	00



DATE PLOTTED: 04/05/2013 10:40:00 AM. PLOTTER: HP DesignJet 5000 Series. PLOTTER DRIVER: HP DesignJet 5000 Series.

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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

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CLIENT:-

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Singapore 049507  
Phone: +65 6722 0101, Fax: +65 6722 0103  
Website: [www.meinhardt.com](http://www.meinhardt.com)

**BIHAR**  
URBAN INFRASTRUCTURE  
DEVELOPMENT CORPORATION

**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:**  
**TENDERING FOR EXECUTION:**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

CONSULTANT:-  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
A-8, Sector-16, Noida-201301, India  
Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
[www.meinhardtdr.com](http://www.meinhardtdr.com), Email: [info@meinhardtdr.com](mailto:info@meinhardtdr.com)

DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF SUBTRUNK**  
**ZONE-5, TRUNK-3 (STP)**  
(PART - 2 OF 13)

PURPOSE OF ISSUE  
DRAFT DETAILED PROJECT REPORT

BY	DATE OF FIRST ISSUE
SKS	MAY 2013

CHECKED  
DESIGNED  
APPROVED

DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-T3-S-02	00

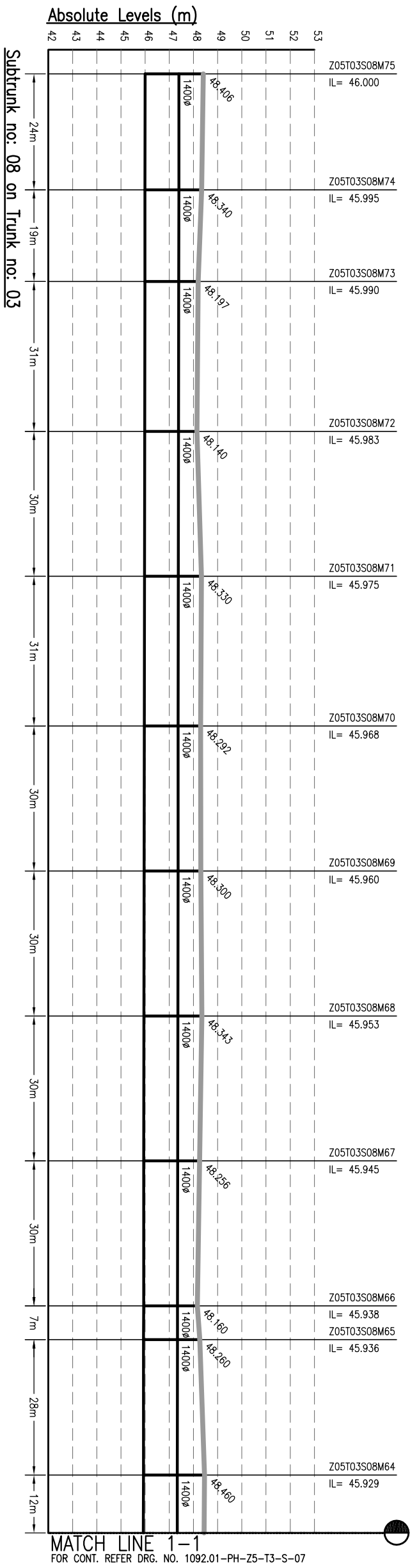
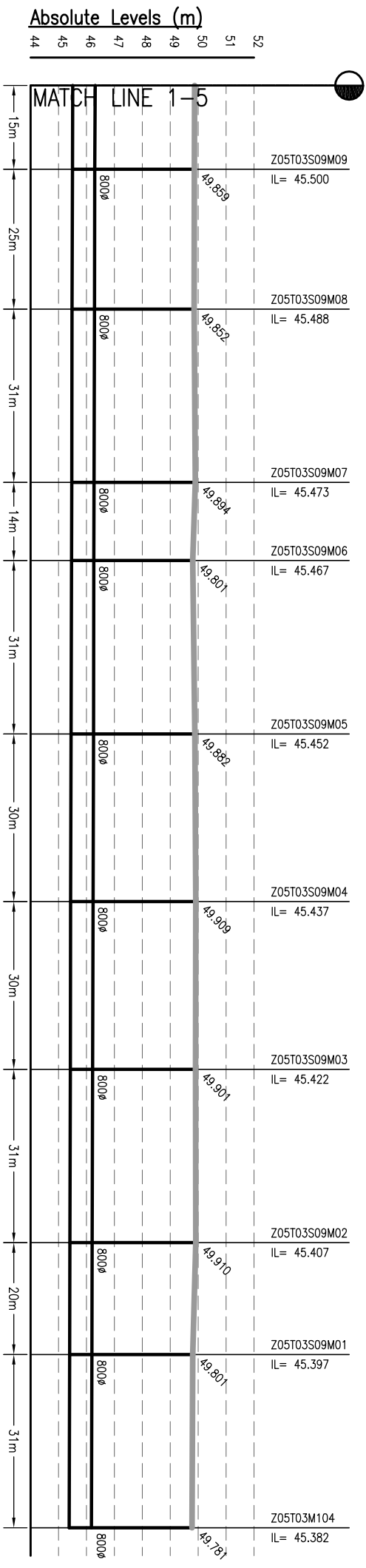
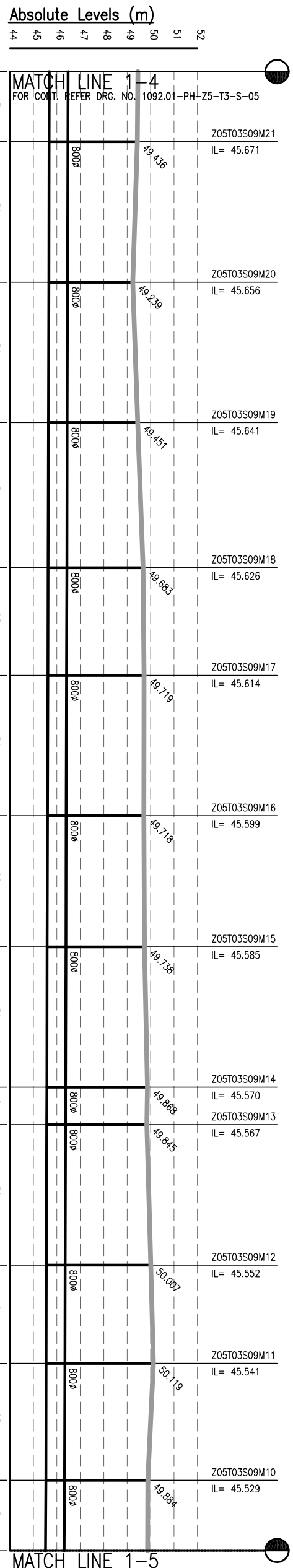












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Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DRR SUBMISSION	RP

**AMENDMENTS**

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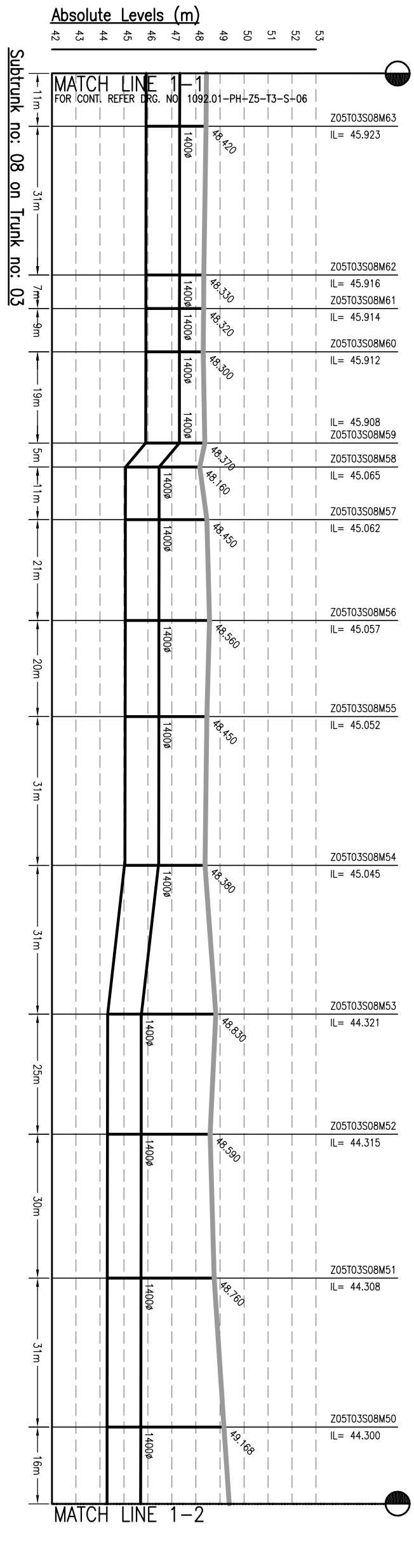
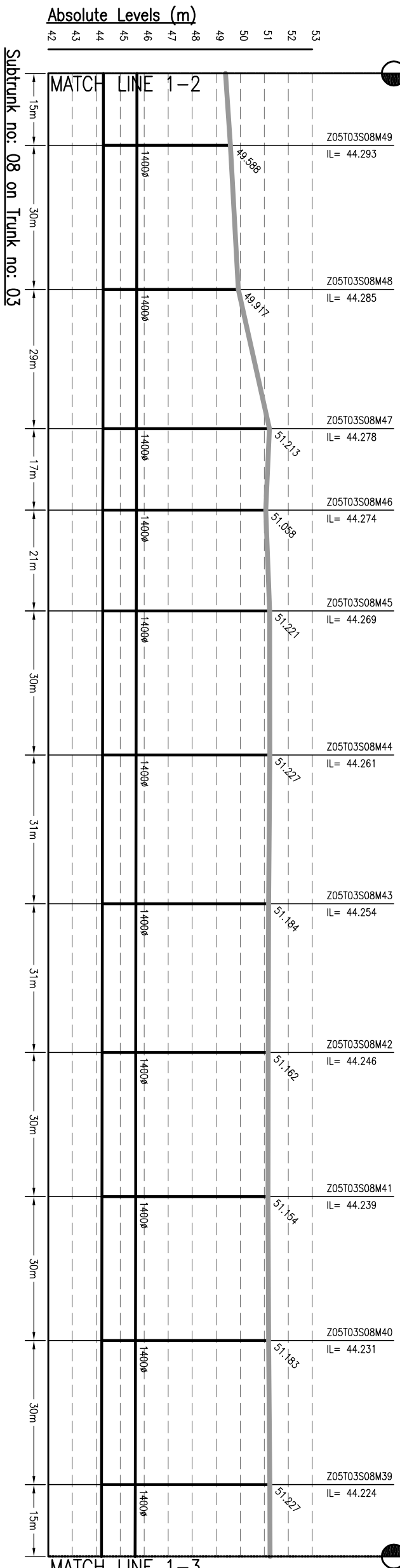
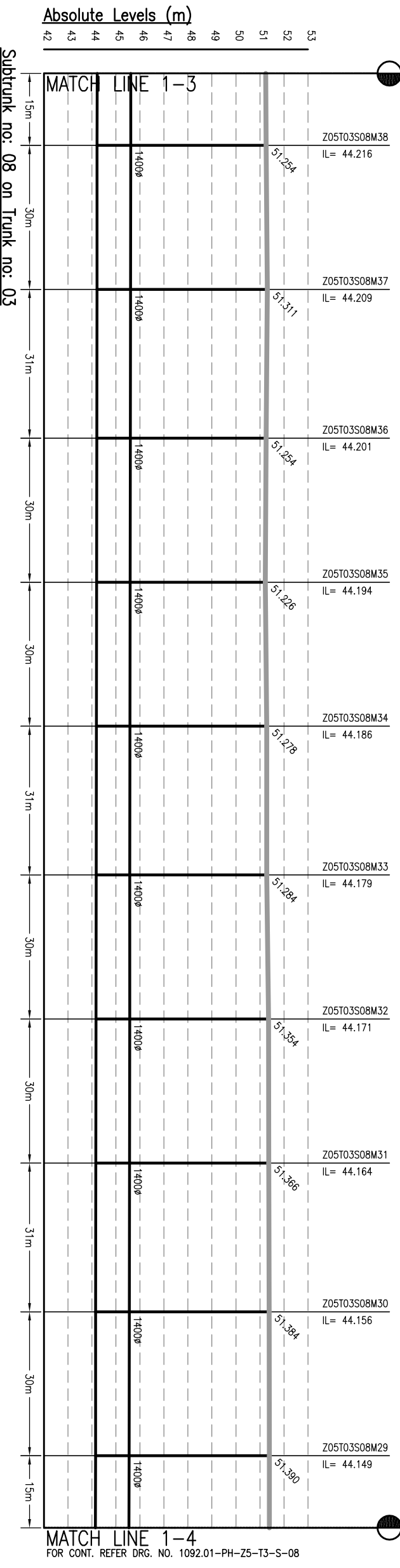
**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303 Malabar Tower, 4th Floor,  
 Plot No. 106/2/2010/01, Sakinaka, (081) 2210103  
 Website: [www.uidc.gov.in](http://www.uidc.gov.in)

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
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 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF SUBTRUNK  
 ZONE-5, TRUNK-3 (STP)  
 (PART - 6 OF 13)

PURPOSE OF ISSUE		SCALE :- H-1000, V-200	
DRAFT DETAILED PROJECT REPORT	BY	SHEET SIZE :- A3	DATE OF FIRST ISSUE
DRAWN	SKS	MAY 2013	
DESIGNED	JR	MAY 2013	
CHECKED	RP	MAY 2013	
APPROVED	CRR	MAY 2013	
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-S-06	00



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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PHC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**CLIENT:-**

BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

303, Malabar Tower, 4th Floor,  
 Plot No. 106/2/2010/01, Ex. - 08(12)2010/03  
 Wazirpur, New Delhi-110029

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNUURM

**CONSULTANT:-**

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DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF SUBTRUNK**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 7 OF 13)

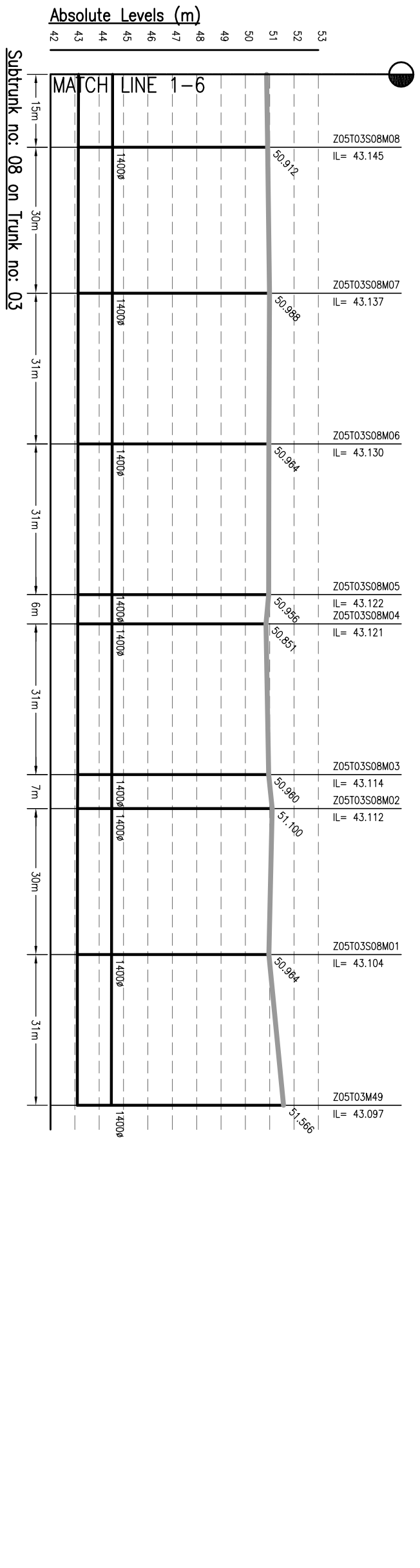
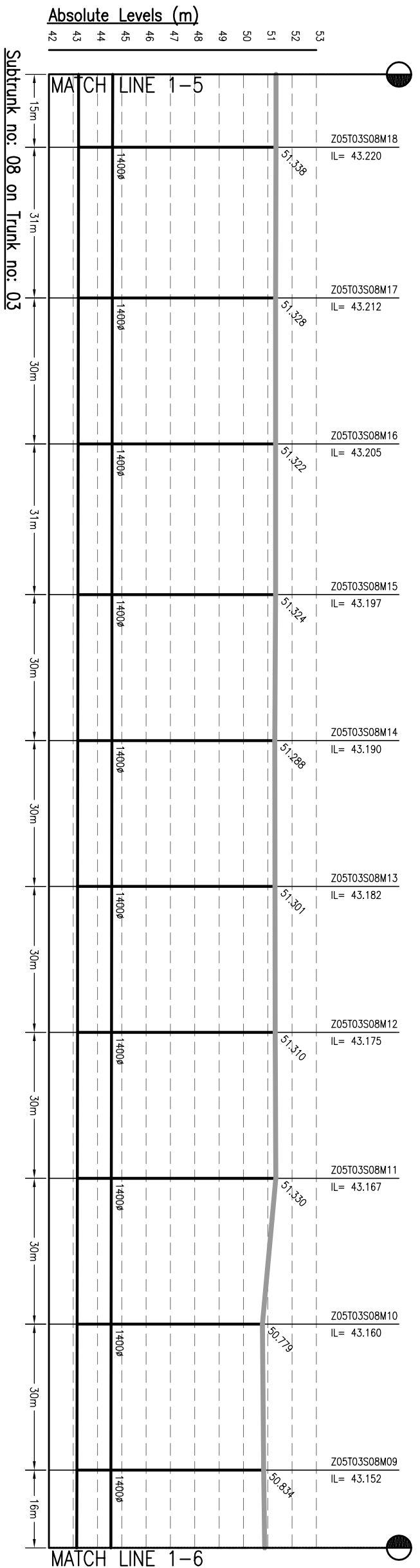
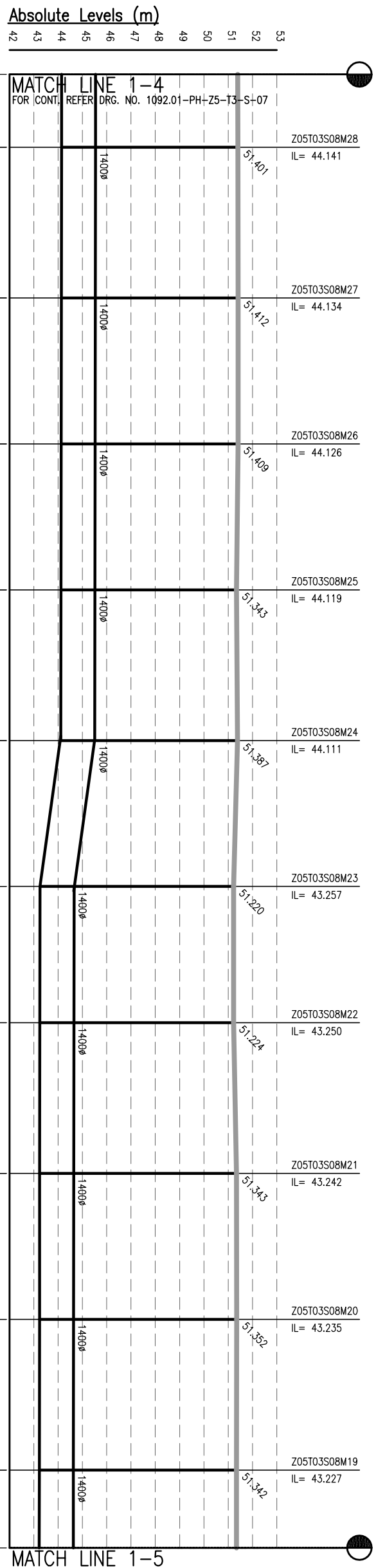
PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

SCALE :- H-1000, V-200

SHEET SIZE :- A3

BY	DATE OF FIRST ISSUE
SNS	MAY 2013
JR	MAY 2013
RP	MAY 2013
CRR	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-S-07	00



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4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

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PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

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**MEINHARDT**

DRAWING TITLE  
**SEWERAGE  
L-SECTION OF SUBTRUNK  
ZONE-5, TRUNK-3 (STP)**  
(PART - 8 OF 13)

PURPOSE OF ISSUE  
DRAFT DETAILED PROJECT REPORT

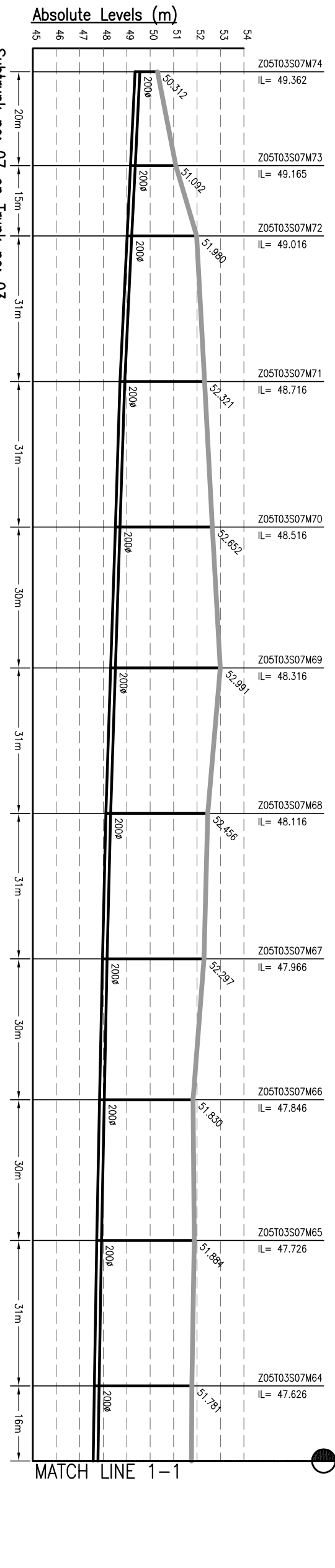
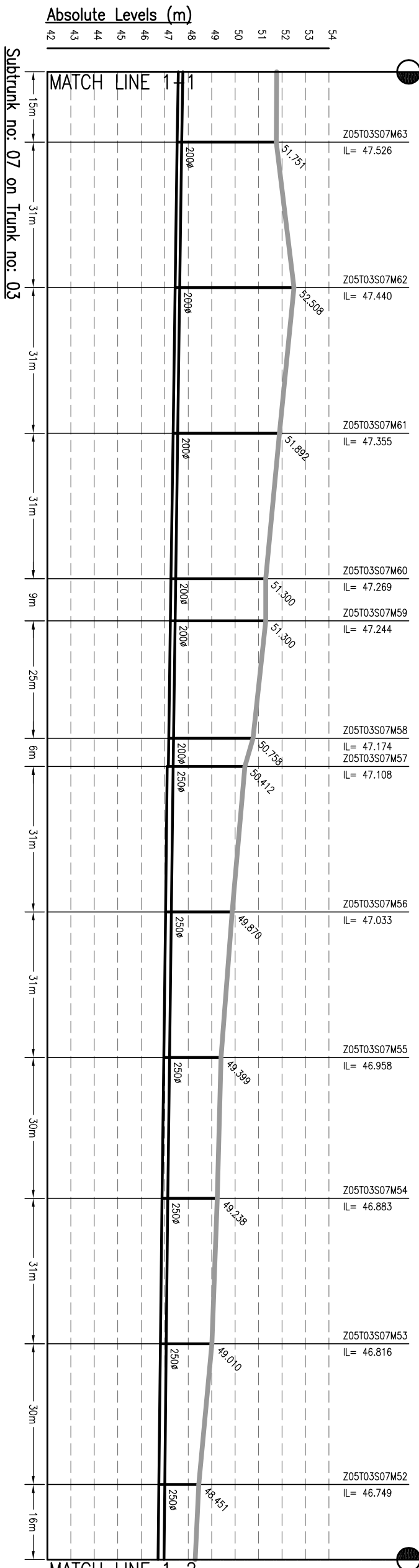
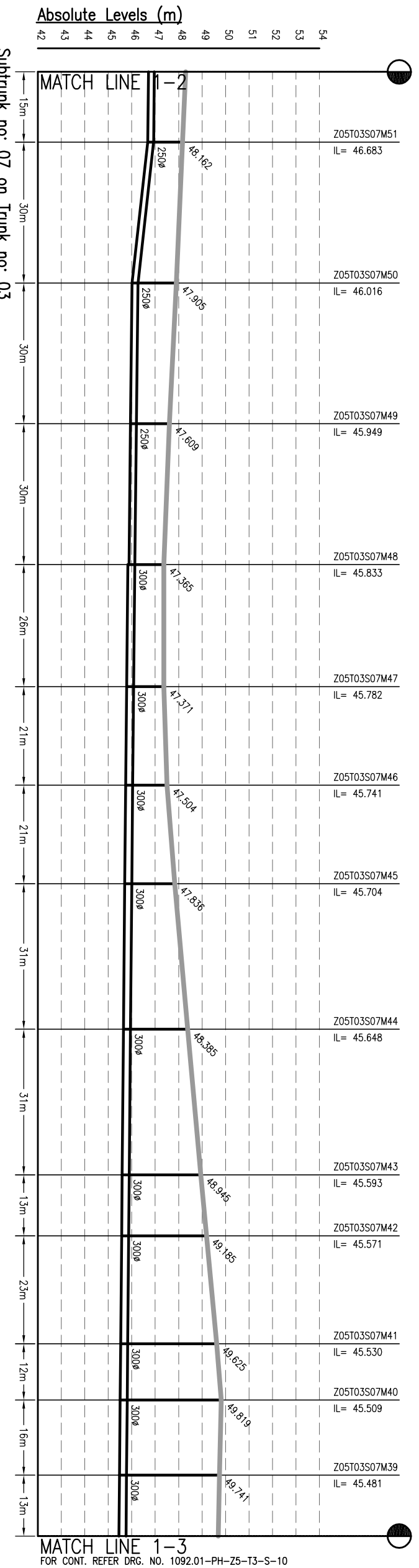
BY	DATE OF FIRST ISSUE	SHEET SIZE
SKS	MAY 2013	A3

SCALE: H-1000, V-200

DESIGNED	CHECKED	APPROVED	DISCIPLINE	REVISION
JR	RP	CRR	PH	00

JOB NO. 1092.01  
DRAWING NO. Z5-T3-S-08





MATCH LINE 1-3  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-S-10

MATCH LINE 1-2

MATCH LINE 1-1

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4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.


Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

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CONSULTANT:-

**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 QUALITY CONTROL SUPERVISION & DRAINAGE PROJECTS OF PATNA UNDER JNUURM**

DRAWING TITLE  
**SEWERAGE L-SECTION OF SUBTRUNK ZONE-5, TRUNK-3 (STP)**  
 (PART - 9 OF 13)

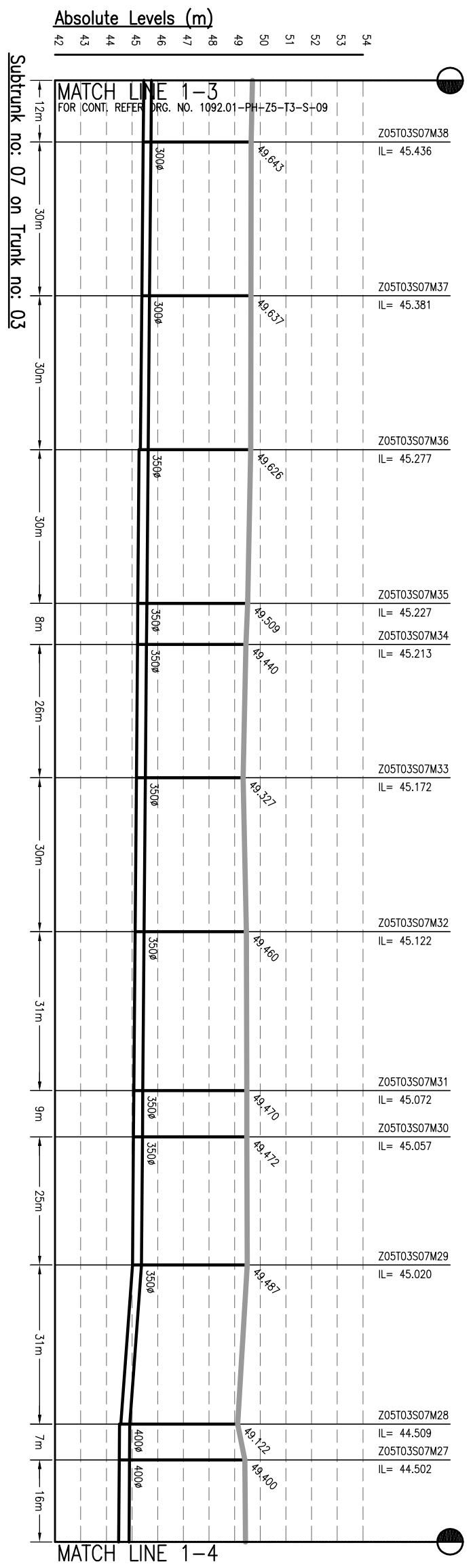
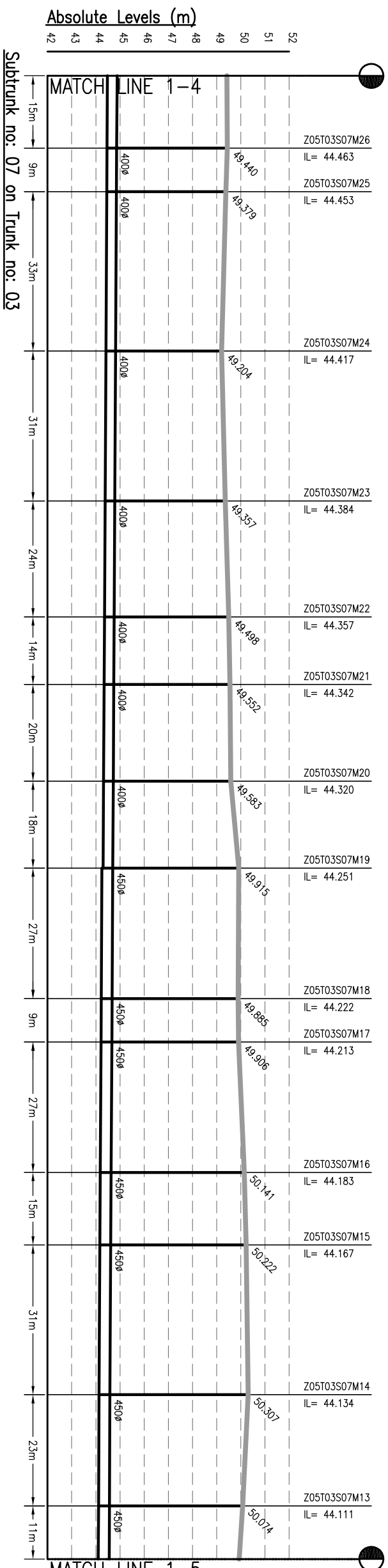
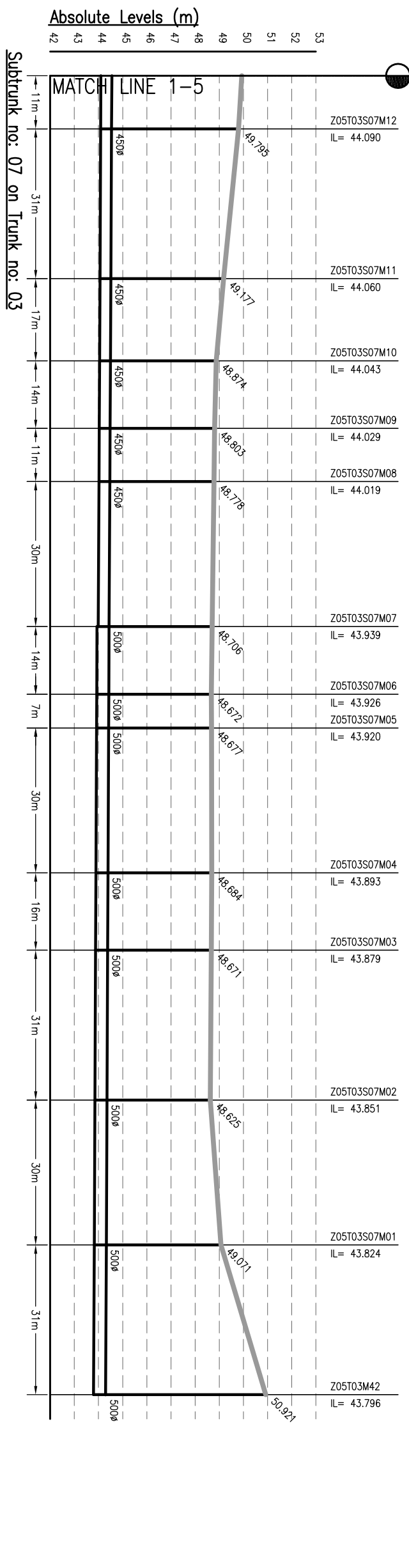
PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

BY	DATE OF FIRST ISSUE
SNS	MAY 2013

SCALE :- H-1000, V-200  
 SHEET SIZE :- A3

DESIGNED	CHECKED	APPROVED	DISCIPLINE	REVISION
JR	RP	RP	CRR	00

JOB NO. 1092.01  
 PH Z5-T3-S-09



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Drawing Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

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 Plot No. - 1092/22(10/01), 1st & 2nd Floor, 1092/22(10/03)  
 Website: [www.buidc.com](http://www.buidc.com)

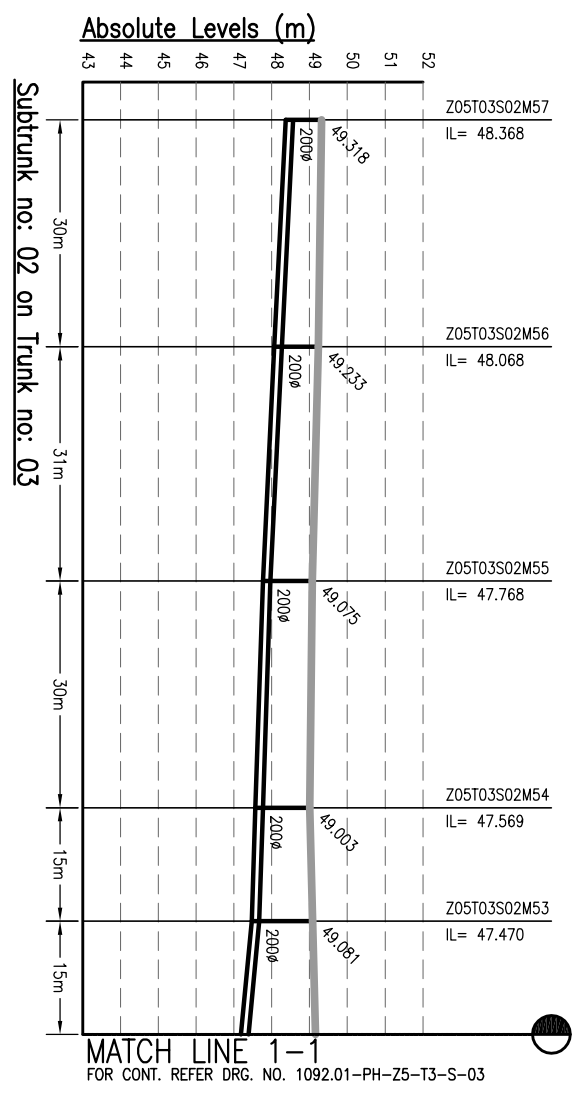
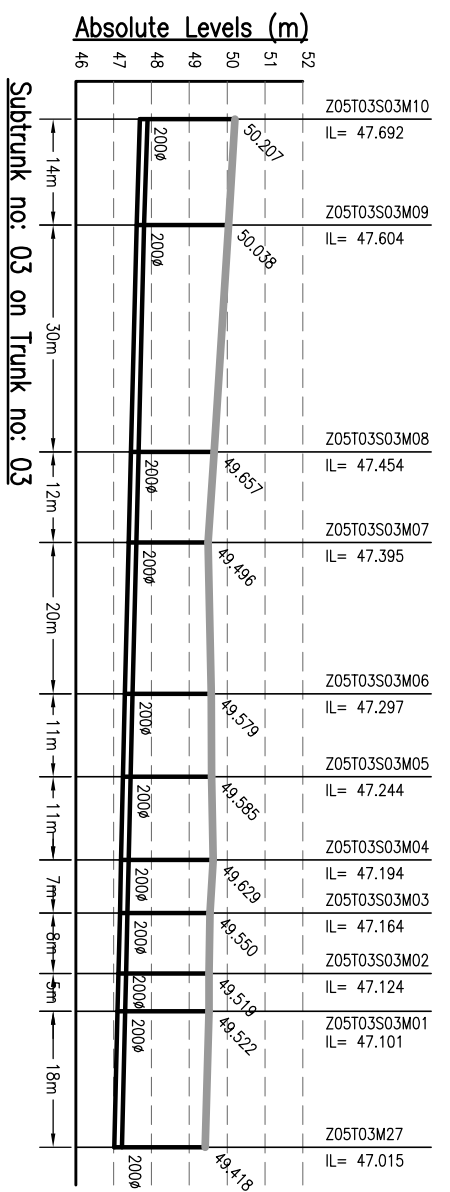
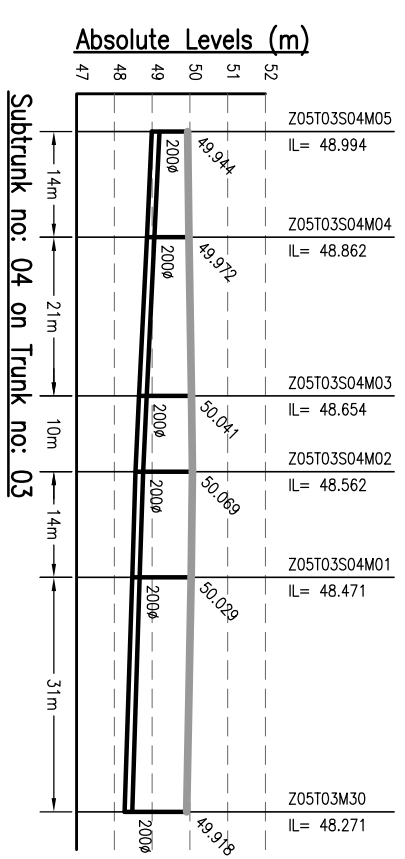
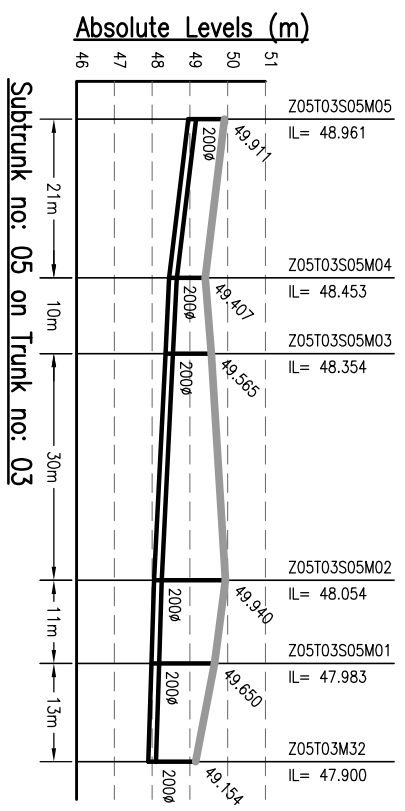
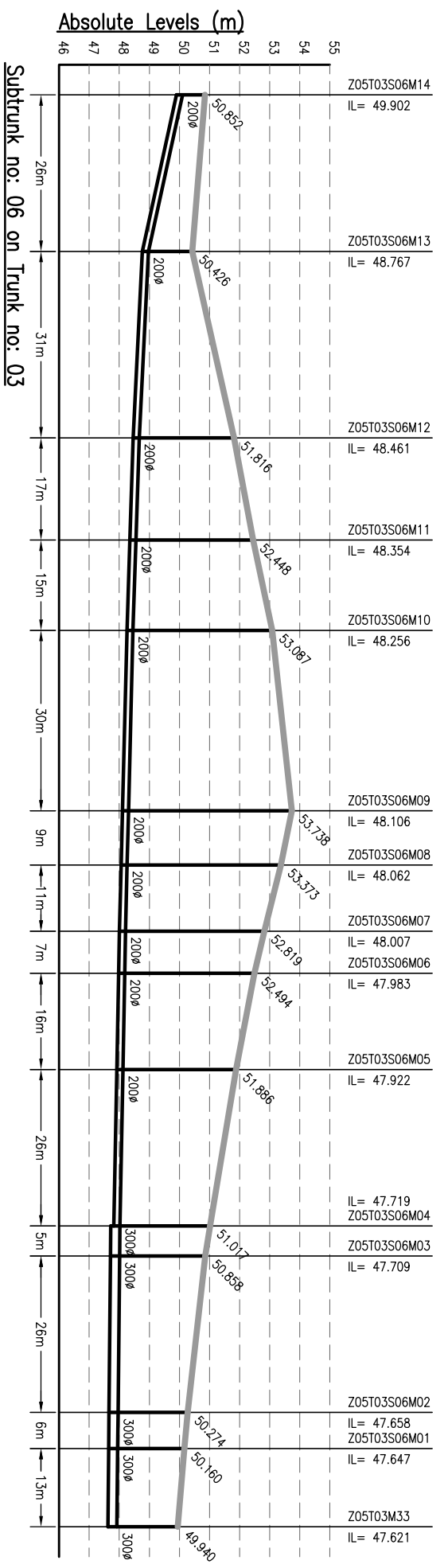
PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

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DRAWING TITLE  
**SEWERAGE L-SECTION OF SUBTRUNK ZONE-5, TRUNK-3 (STP)**  
 (PART - 10 OF 13)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
DRAWN	BY: SKS	H-1000, V-200
DESIGNED	BY: JR	
CHECKED	BY: RP	
APPROVED	BY: CRR	

JOB NO. **1092.01** PH **PH** DRAWING NO. **Z5-T3-S-10** REVISION **00**



MATCH LINE 1-1  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-S-03

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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.


Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**PROJECT:-**  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF SUBTRUNK**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 11 OF 13)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE:** H-1000, V-200

**SHEET SIZE:** A3

**DATE OF FIRST ISSUE**

**BY:** SKS  
 MAY 2013

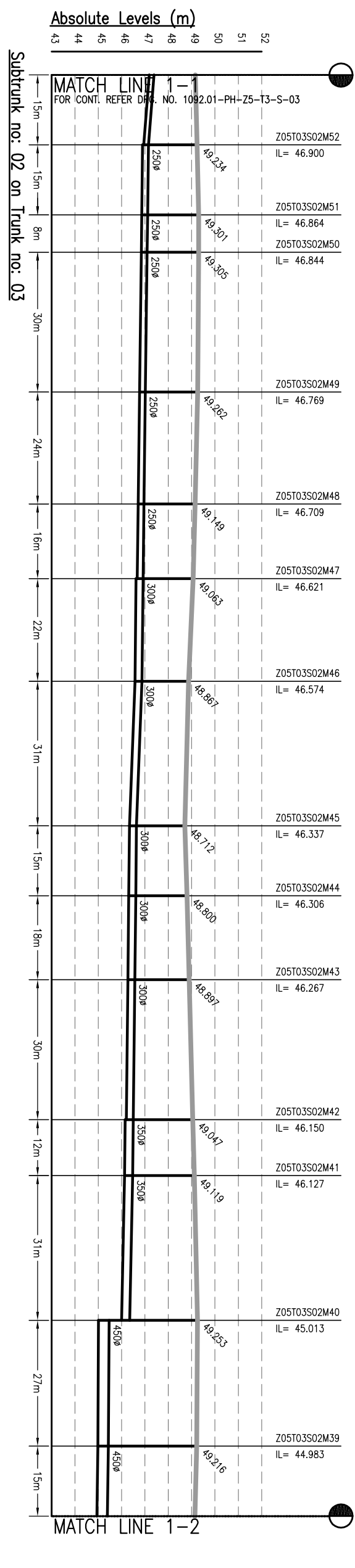
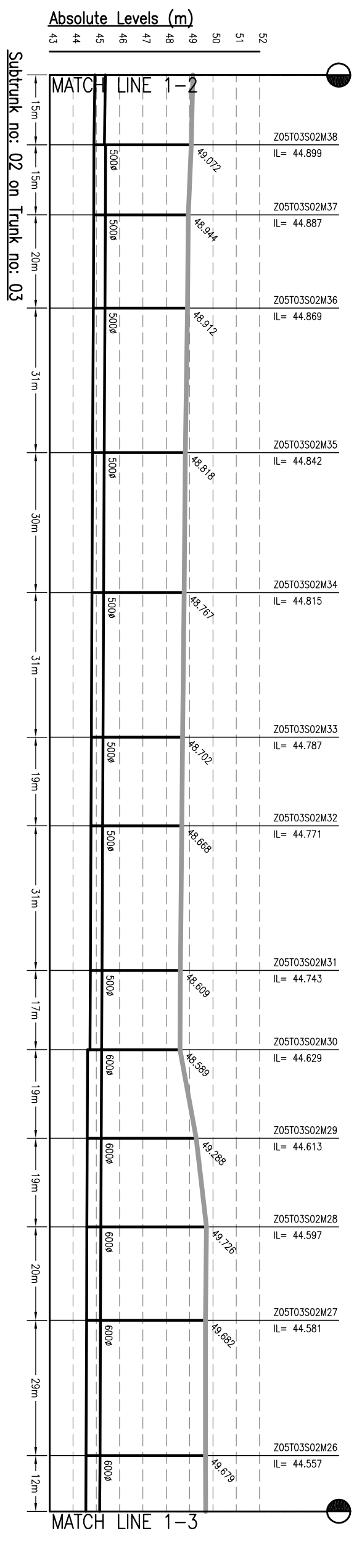
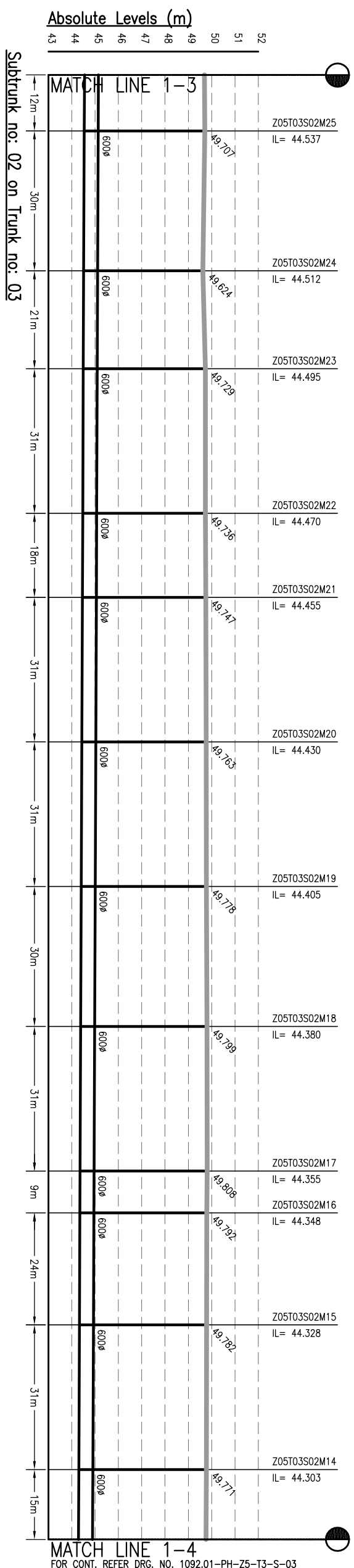
**DESIGNED:** JR  
 MAY 2013

**CHECKED:** RP  
 MAY 2013

**APPROVED:** CRR  
 MAY 2013

**JOB NO.:** 1092.01  
**DISCIPLINE:** PH  
**DRAWING NO.:** Z5-T3-S-11  
**REVISION:** 00





MATCH LINE 1-4  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-S-03

MATCH LINE 1-3

MATCH LINE 1-2

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Drafting Base Reference:  
**PHC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

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**DRAWING TITLE**  
**L-SECTION OF SUBTRUNK ZONE-5, TRUNK-3 (STP)**  
(PART - 12 OF 13)

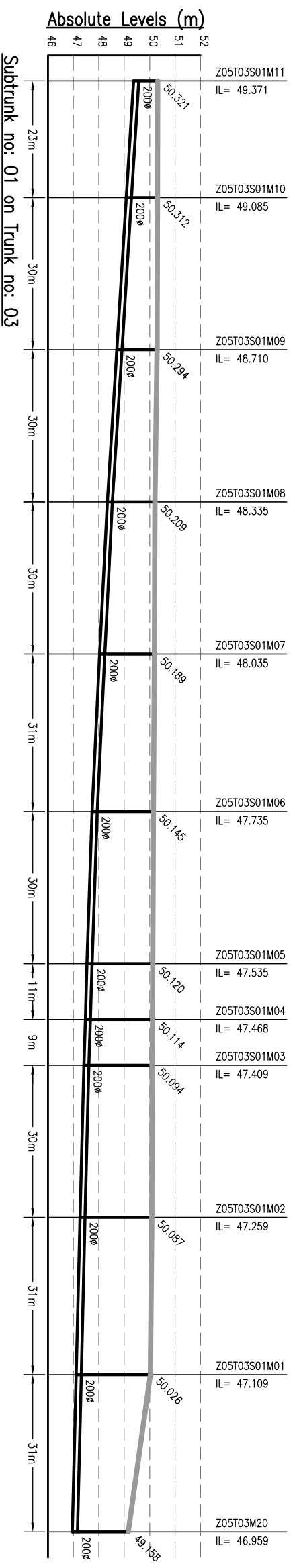
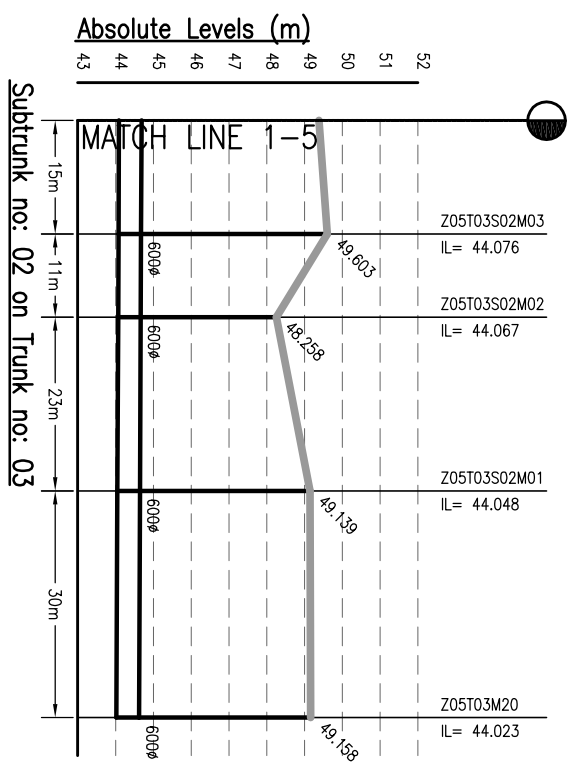
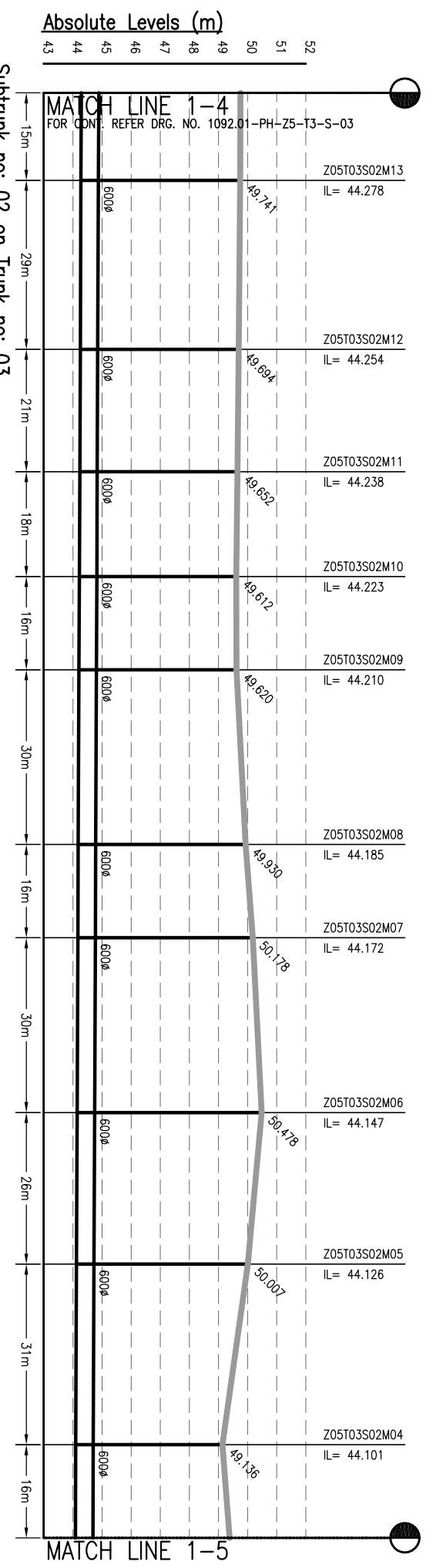
**SCALE:** H-1000, V-200

**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT

**DATE OF FIRST ISSUE**  
MAY 2013

**DESIGNED** JR MAY 2013  
**CHECKED** RP MAY 2013  
**APPROVED** CRR MAY 2013

**JOB NO.** 1092.01  
**DISCIPLINE** PH  
**DRAWING NO.** Z5-T3-S-12  
**REVISION** 00



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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SKS	DRAFT DPR SUBMISSION	RP

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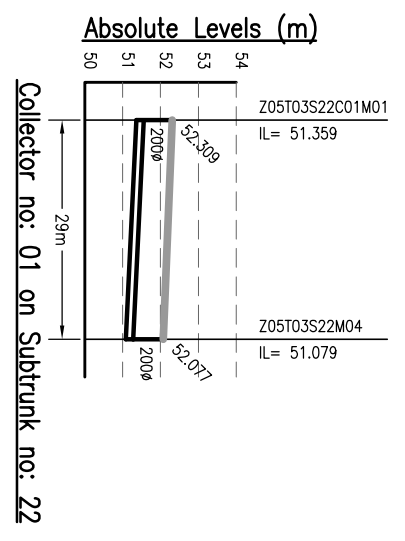
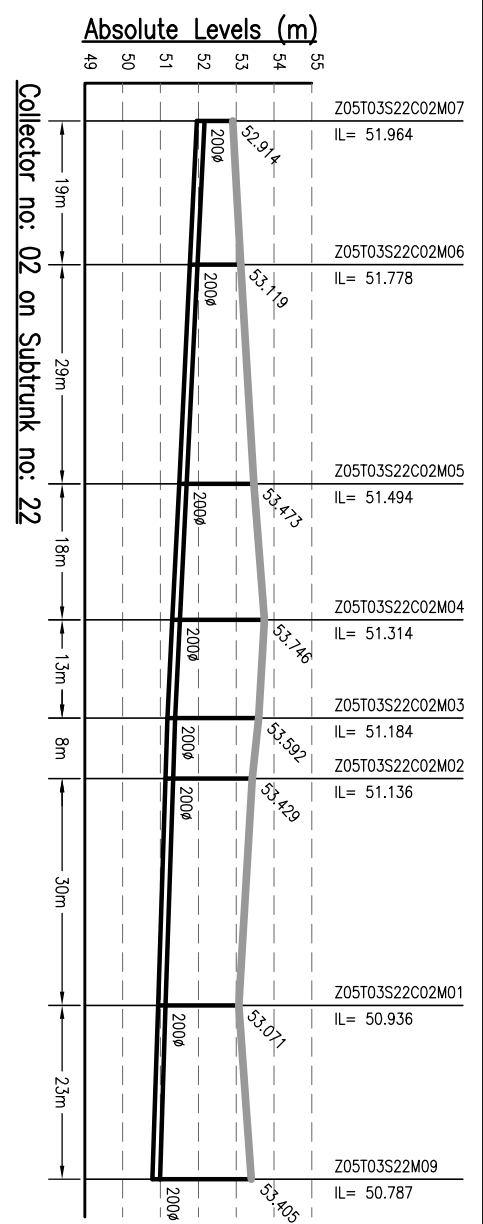
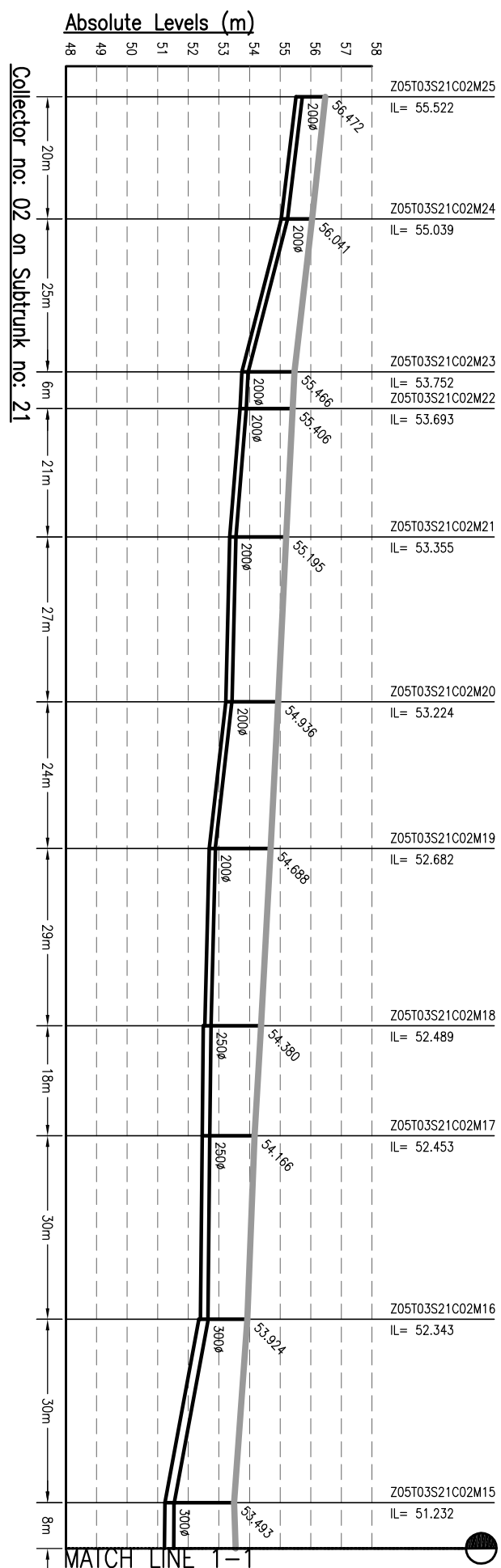
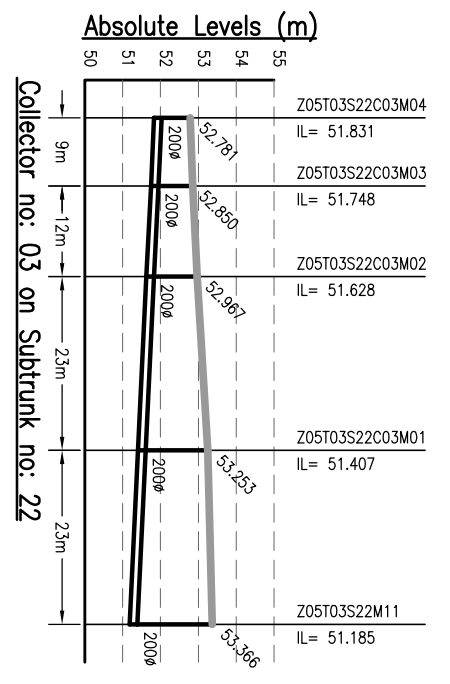
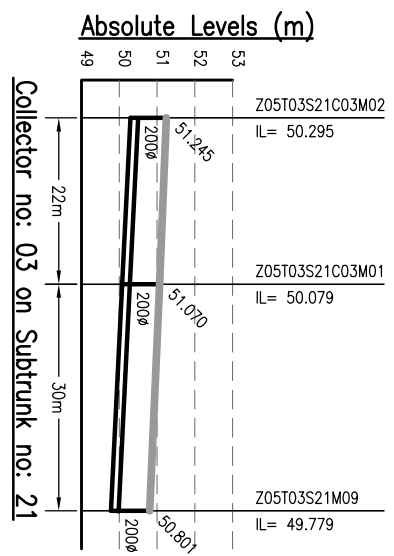
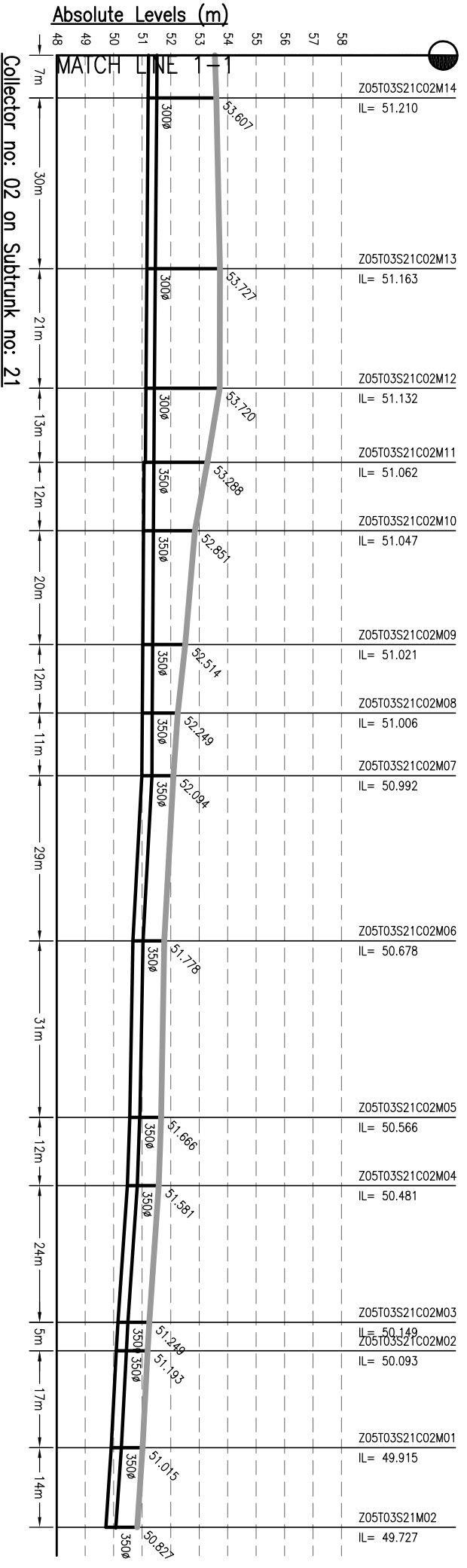


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**CONSULTANT:-**  
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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF SUBTRUNK**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 13 OF 13)

DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-T3-S-13	00



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Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS; TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

**CONSULTANT:-**

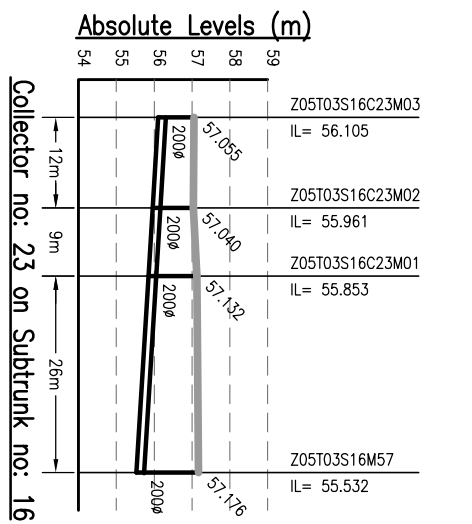
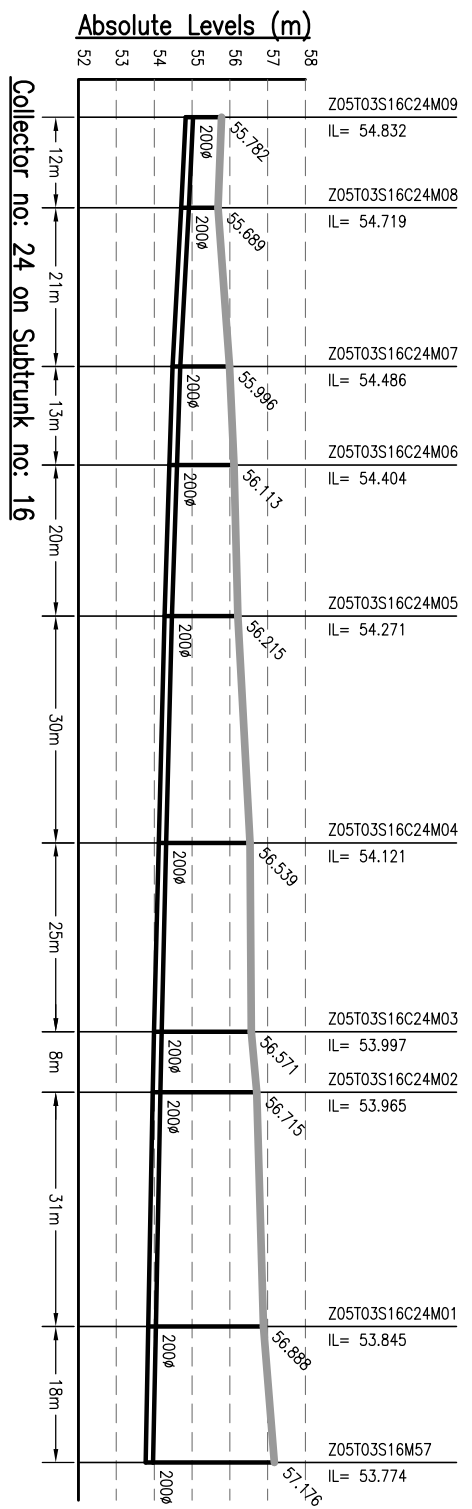
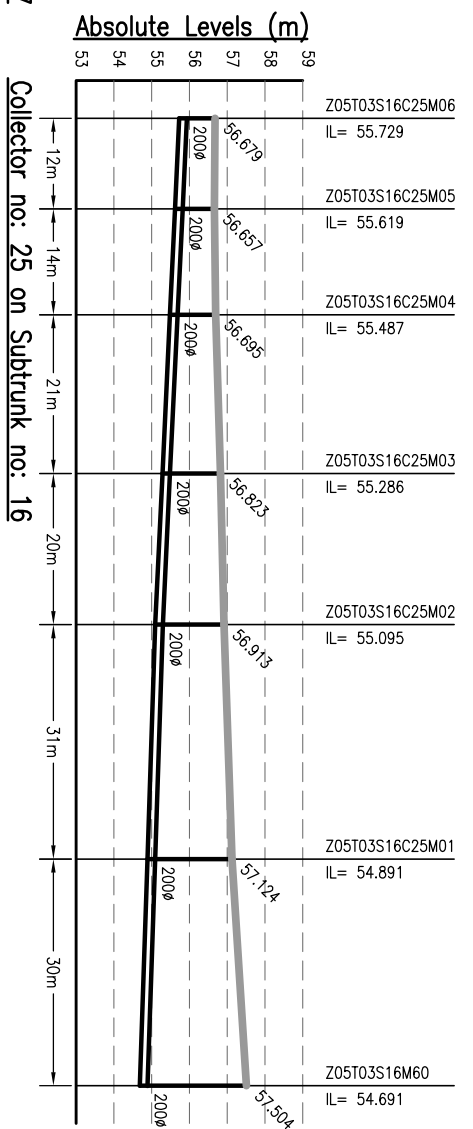
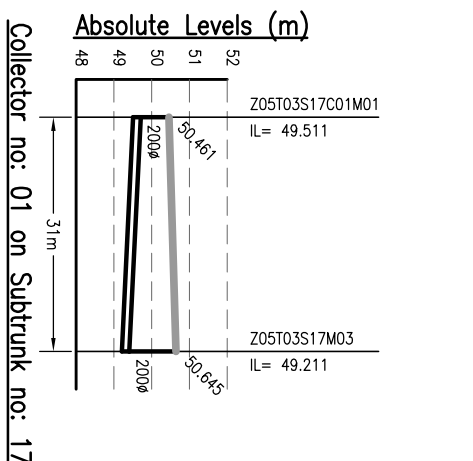
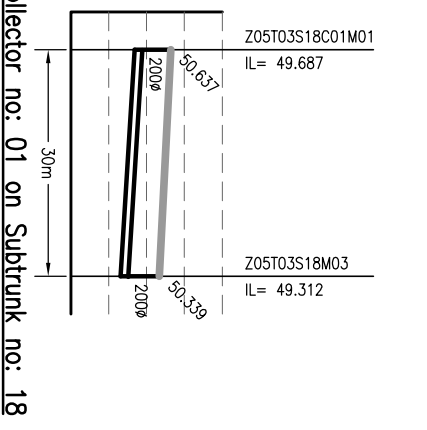
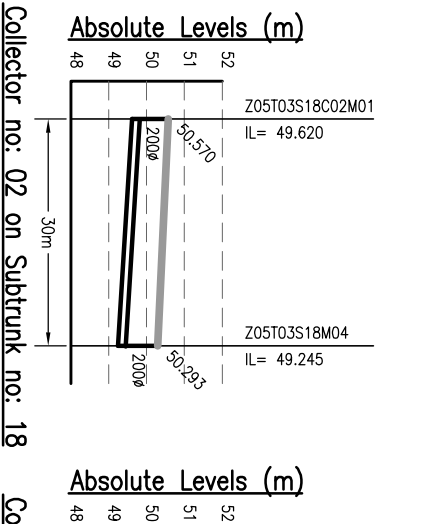
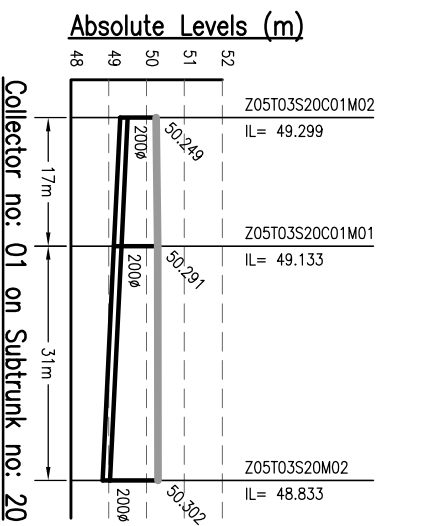
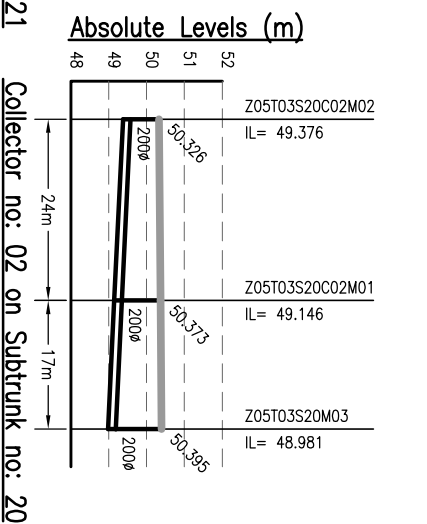
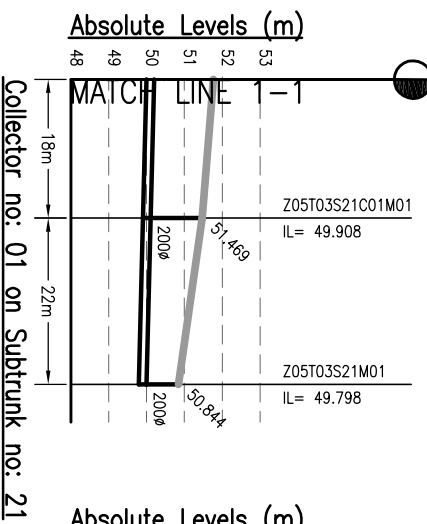
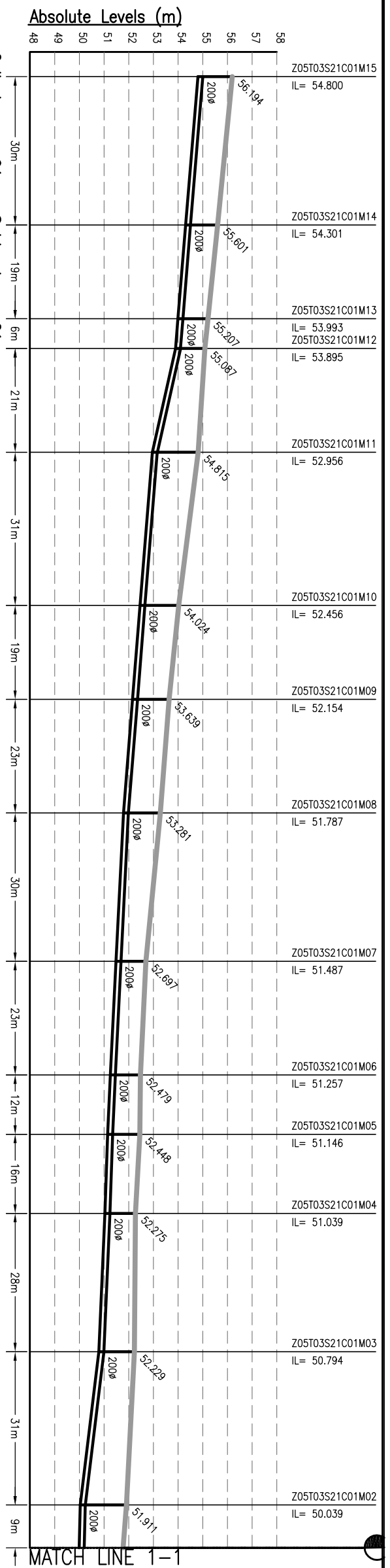
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (STP)  
 (PART - 1 OF 18)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200  
**SHEET SIZE** : A3

DISCIPLINE	DATE	REVISION
PH	Z5-T3-C-01	00



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  4. REFER DRAWING NO. TO 491 & 1092/01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.


Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**PROJECT:-**  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

**CONSULTANT:-**

  
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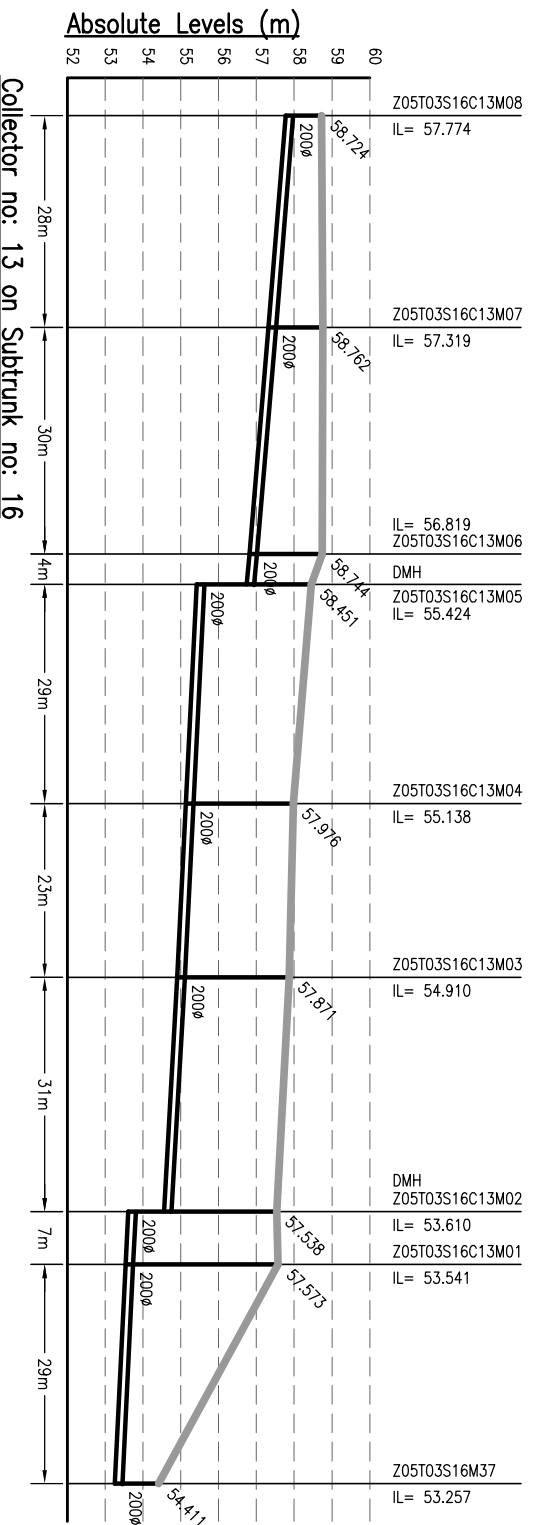
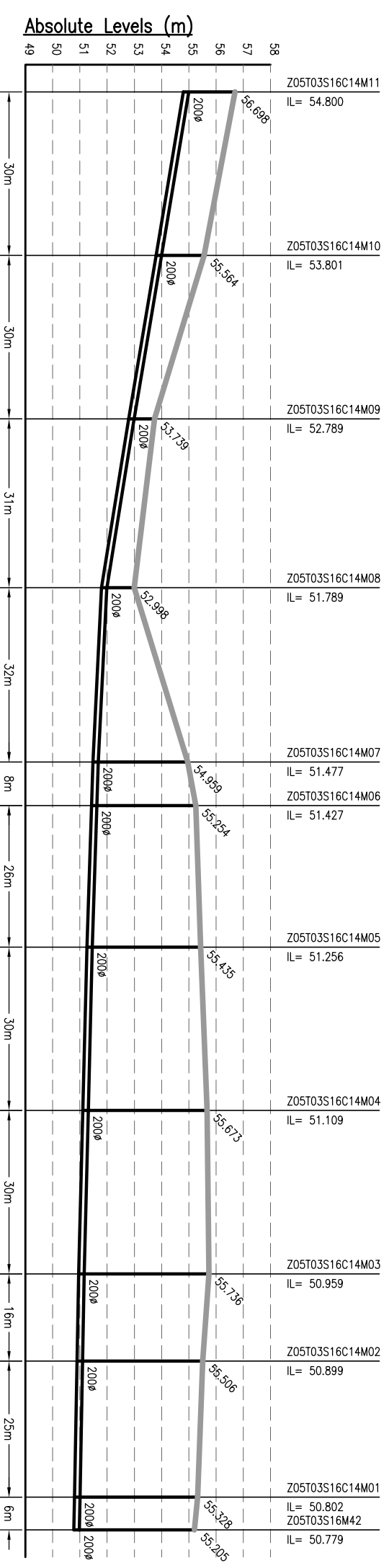
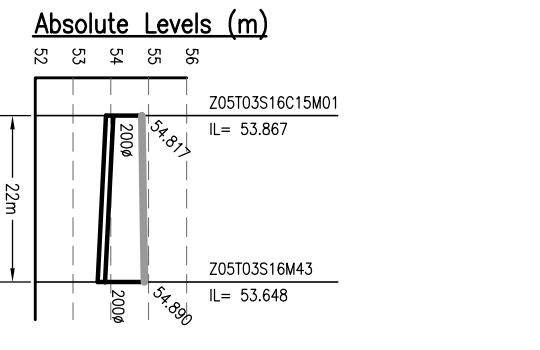
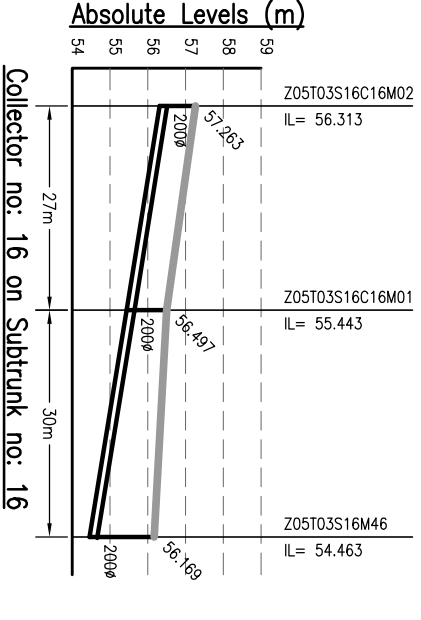
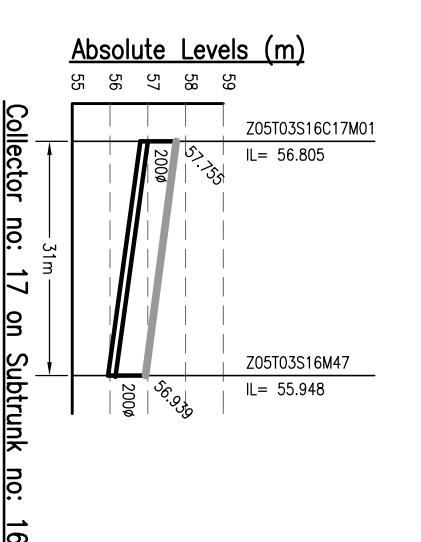
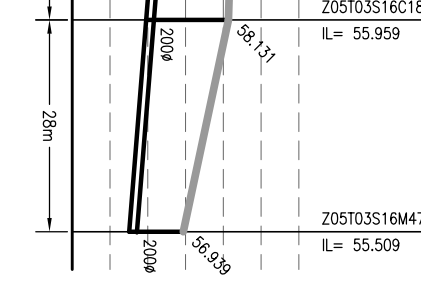
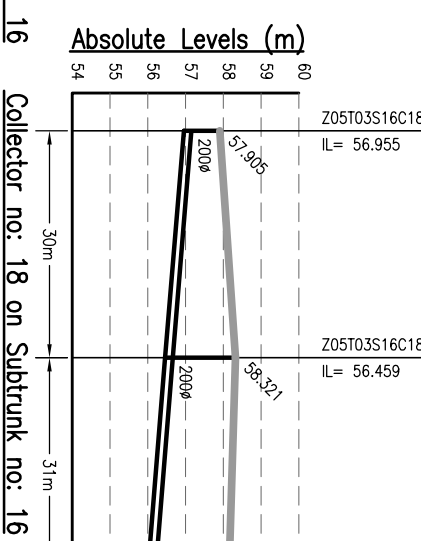
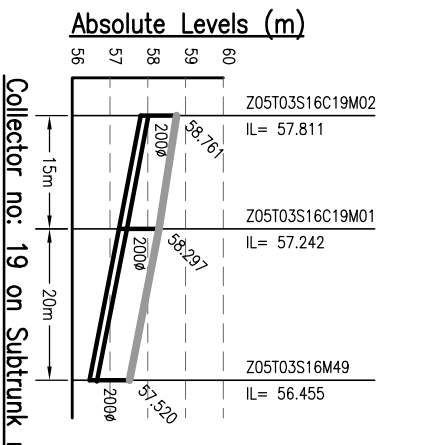
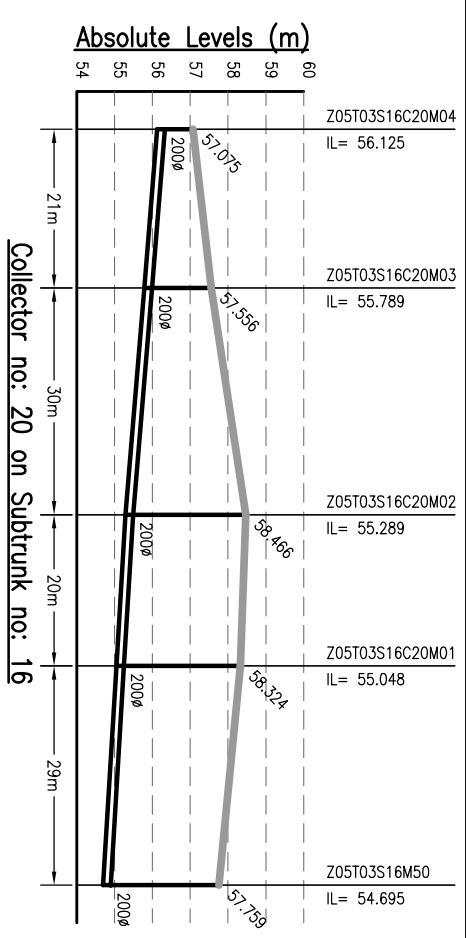
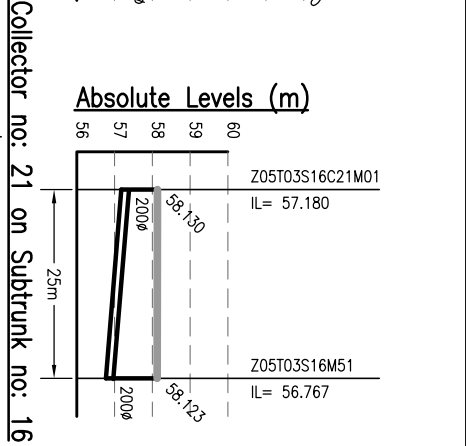
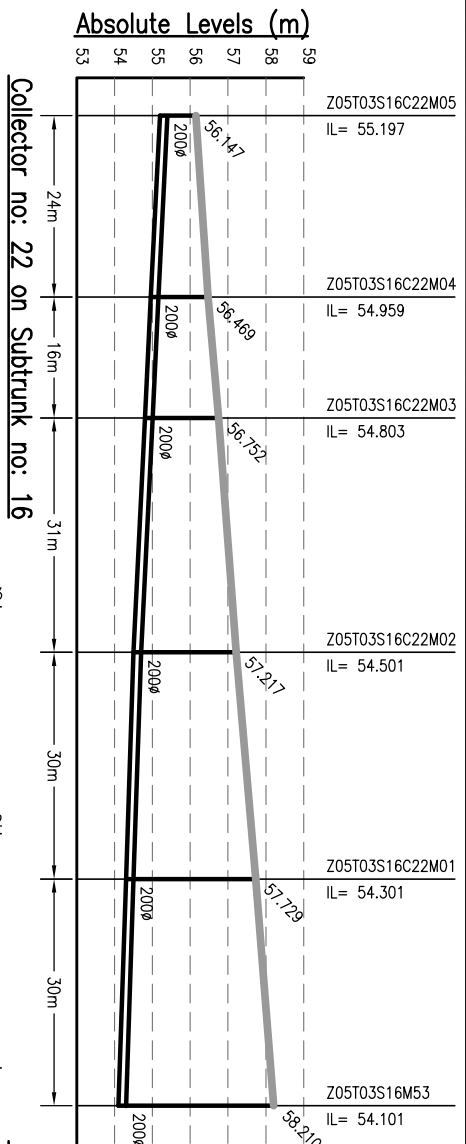
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**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 2 OF 18)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
DRIFT DETAILED PROJECT REPORT		H-1000, V-200

DESIGNED	CHECKED	APPROVED	JOB NO.
AH	JR	RP	1092.01

DATE	BY	REVISION
MAY 2013	AH	00
MAY 2013	JR	01
MAY 2013	RP	02





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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

NO	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION**

**PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM**

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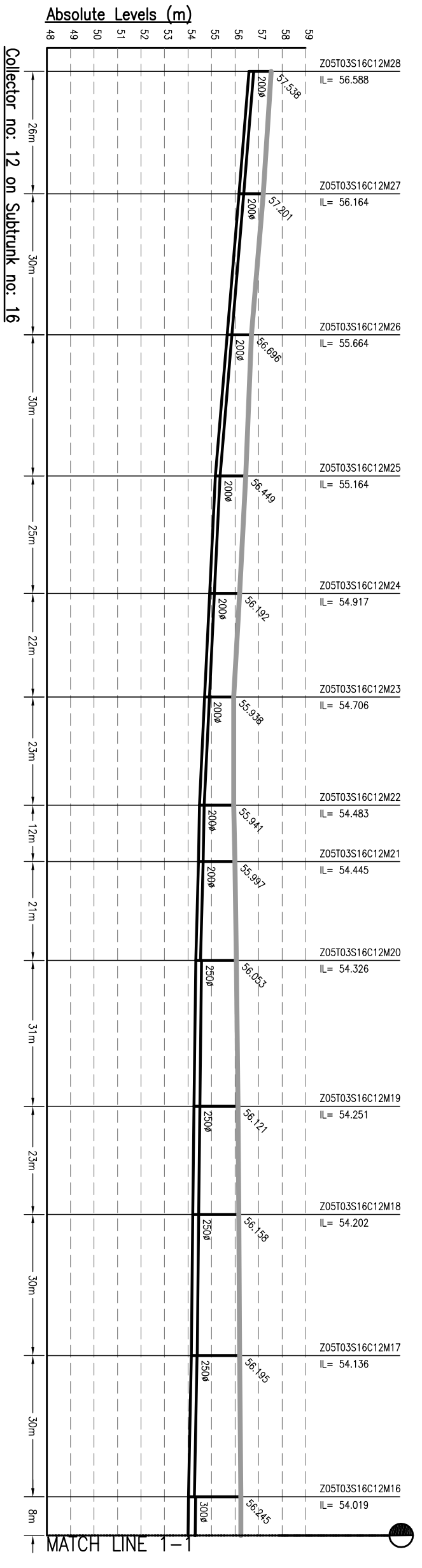
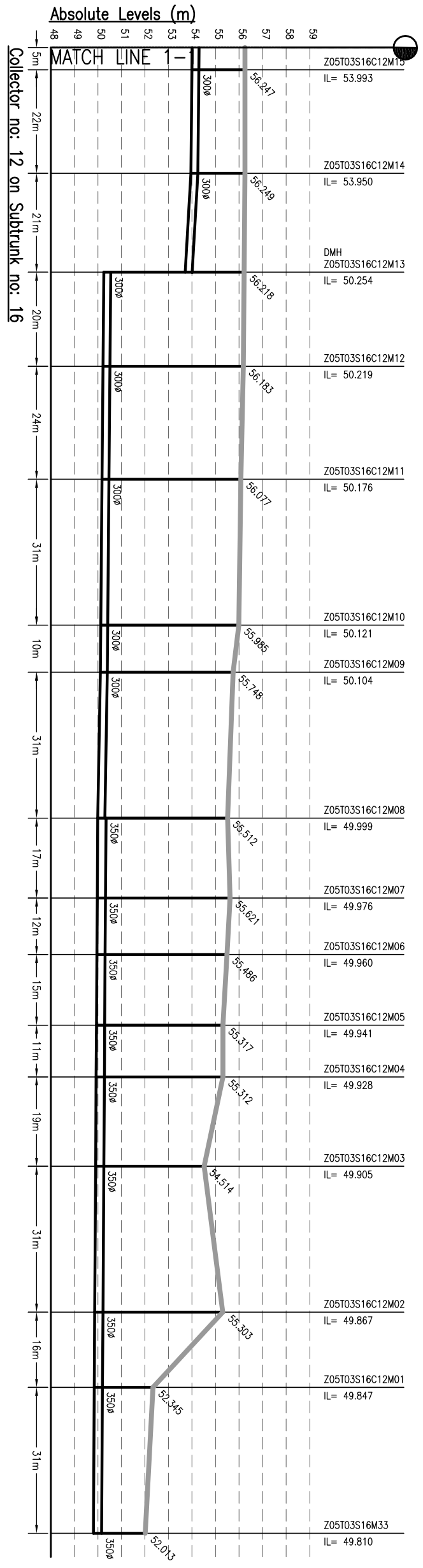
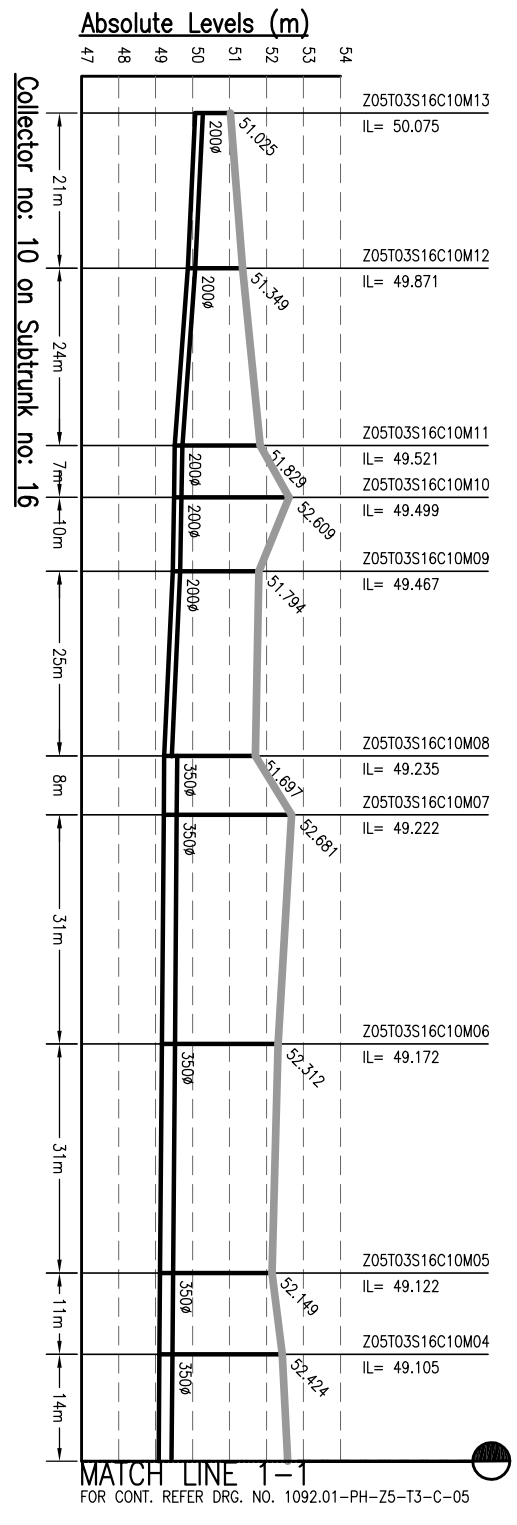
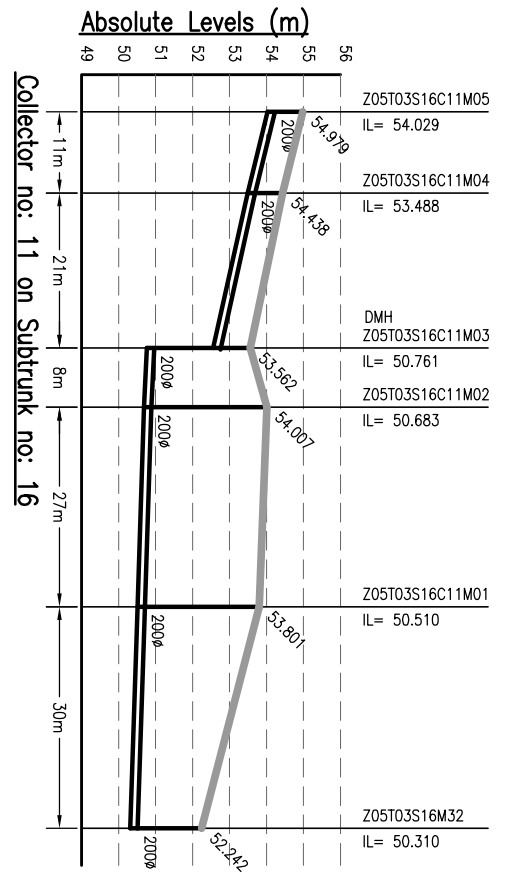
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**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 3 OF 18)

**SCALE:** H-1000, V-200

DISCIPLINE	DATE OF FIRST ISSUE	BY	CHECKED	APPROVED	JOB NO.
DRAWN	MAY 2013	AH	JR	RP	1092.01
DESIGNED	MAY 2013	JR	RP	RP	PH
CHECKED	MAY 2013	RP	RP	RP	PH
APPROVED	MAY 2013	RP	RP	RP	PH

**REVISION**

NO.	DESCRIPTION	DATE
00	Z5-T3-C-03	



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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

**AMENDMENTS**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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DEVELOPMENT CORPORATION

**PROJECT:-**  
PREPARATION OF DETAILED  
PROJECT REPORTS (DPRS) & BID  
DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA  
UNDER JNNURM

**CONSULTANT:-**  
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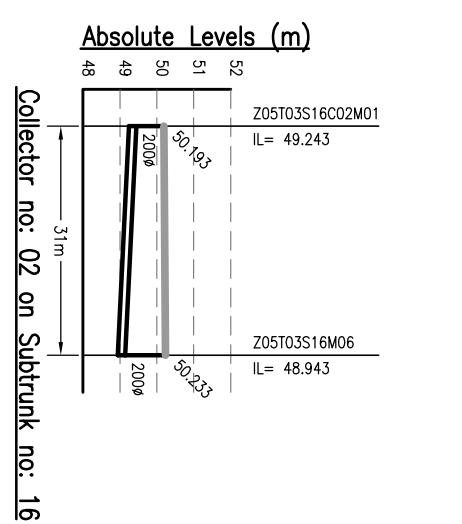
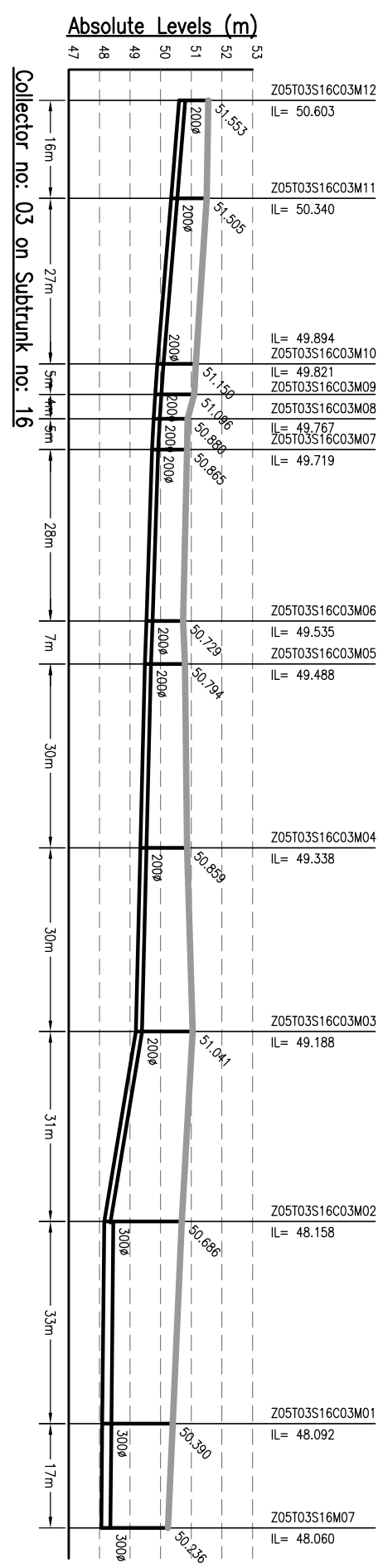
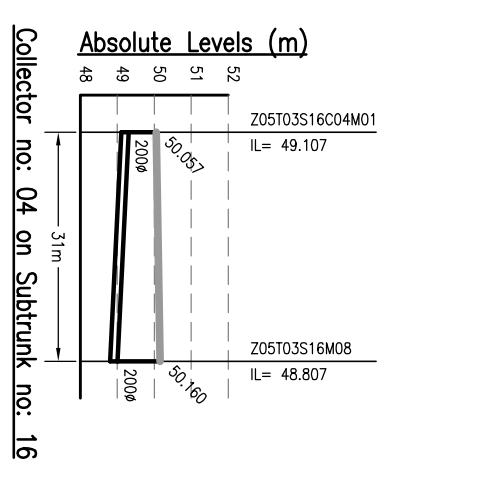
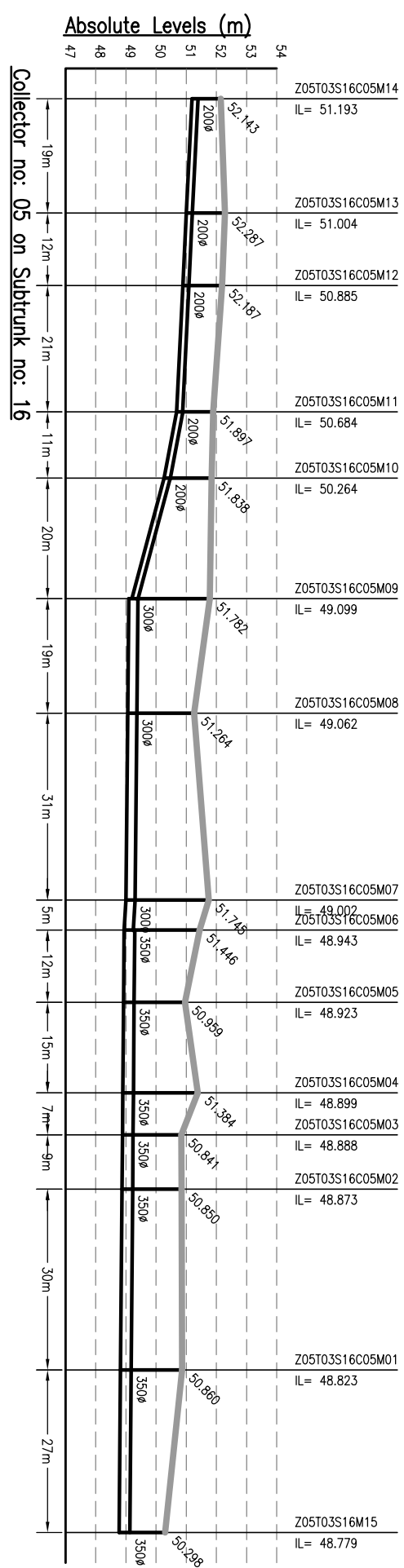
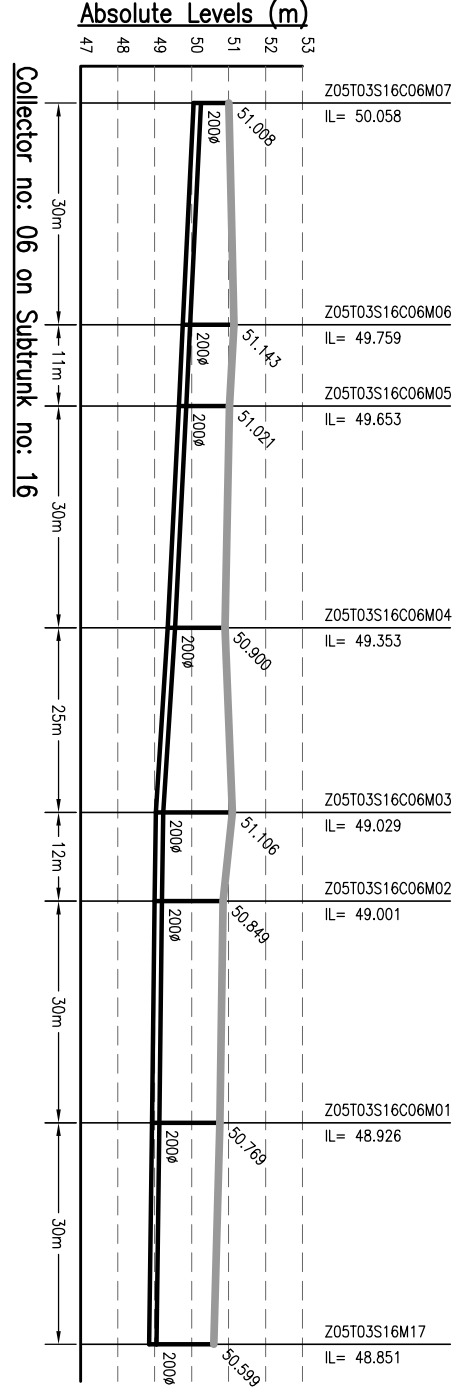
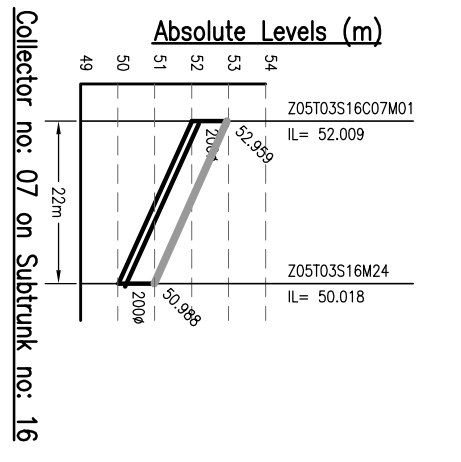
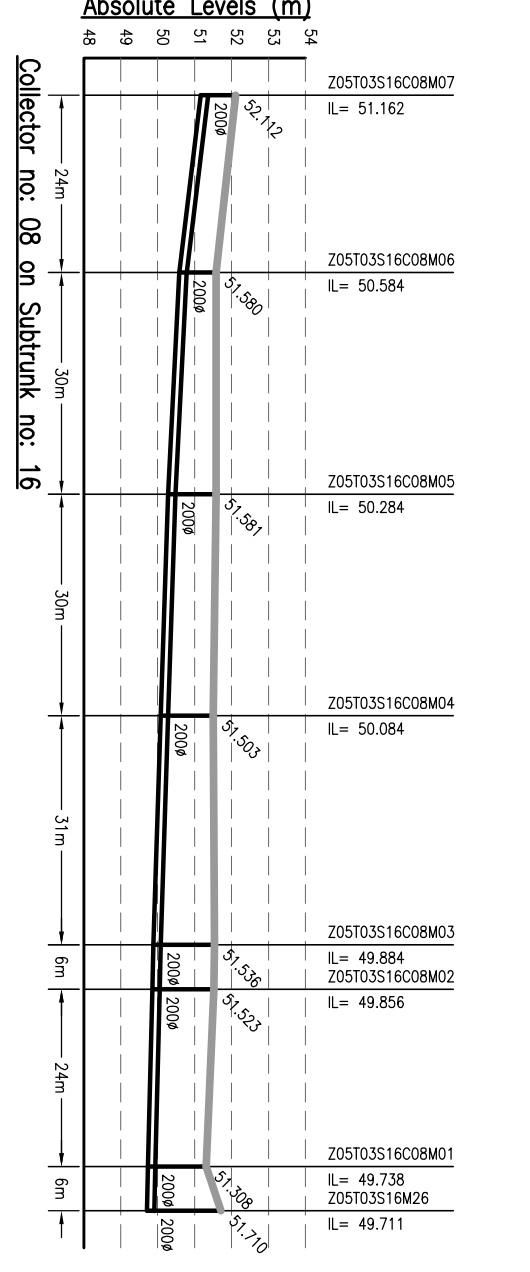
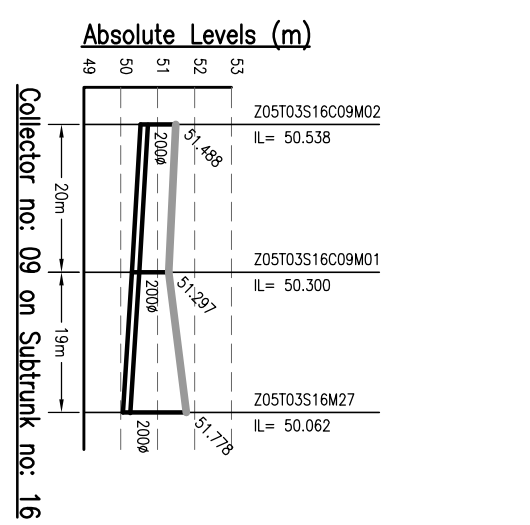
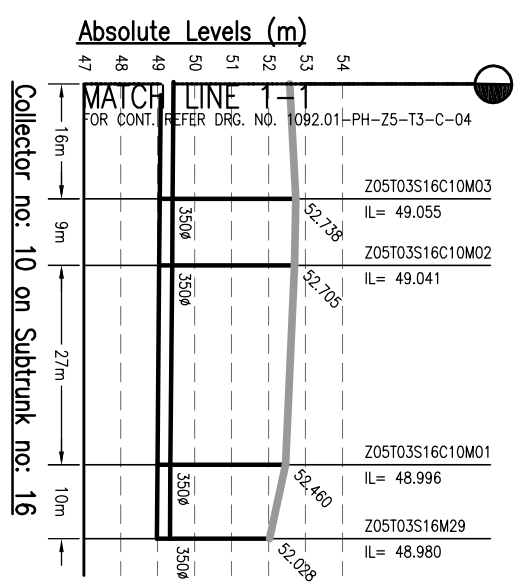
**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF COLLECTOR  
ZONE-5, TRUNK-3 (STP)

**SCALE:-** H-1000, V-200  
**SHEET SIZE:-** A3  
**DATE OF FIRST ISSUE**  
MAY 2013

**DESIGNED** JR MAY 2013  
**CHECKED** RP MAY 2013  
**APPROVED** CRR MAY 2013

**JOB NO.** 1092.01  
**DISCIPLINE** PH  
**DRAWING NO.** Z5-T3-C-04  
**REVISION** 00

**PROJECT OF ISSUE**  
**DRAWN** AH MAY 2013  
**DATE OF FIRST ISSUE**  
MAY 2013



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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

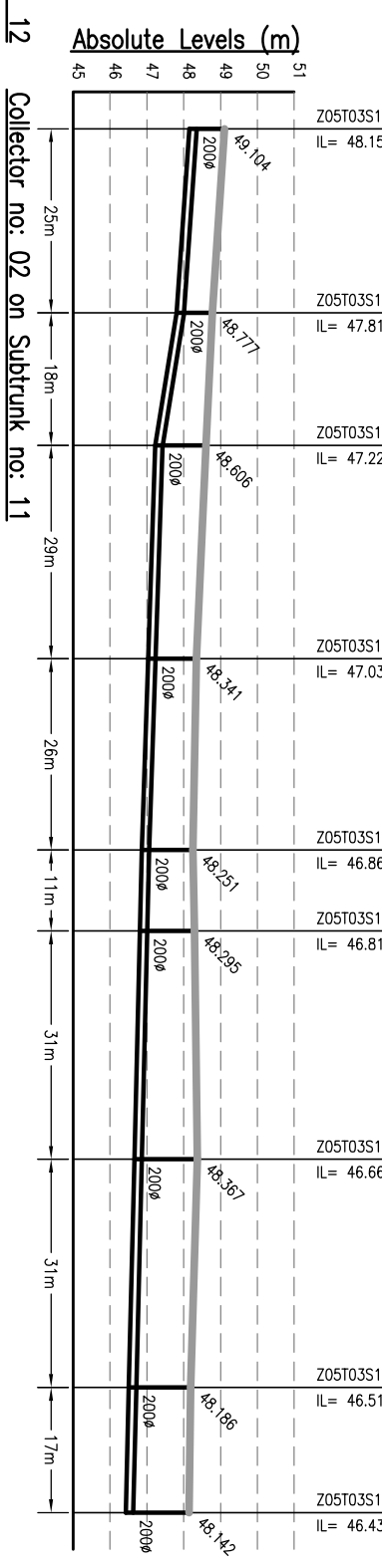
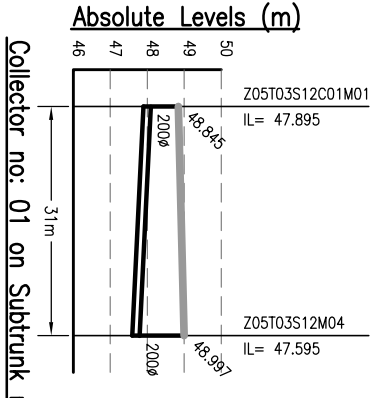
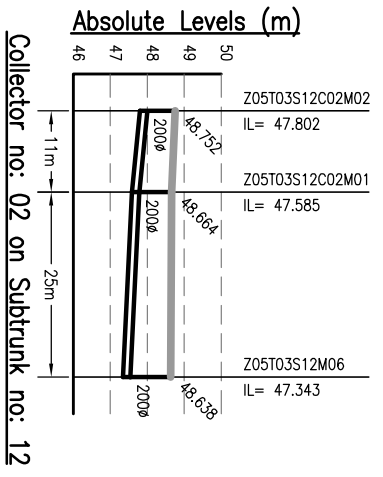
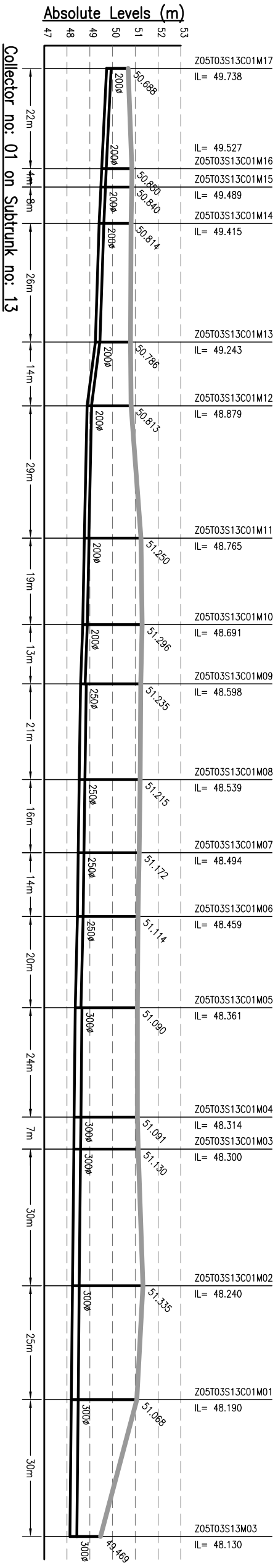
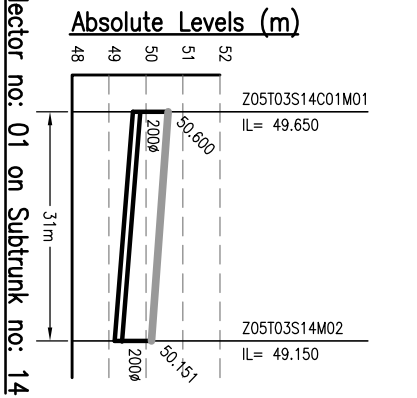
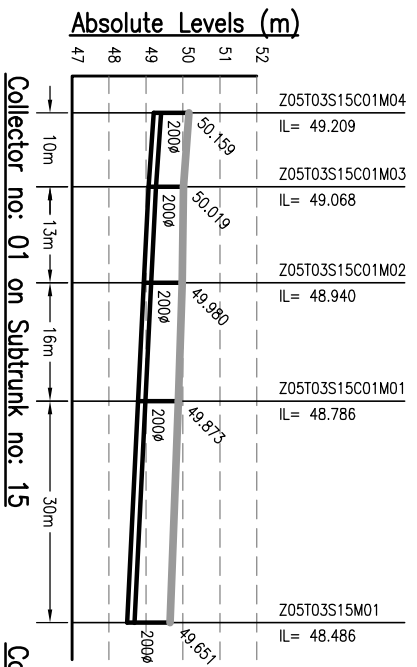
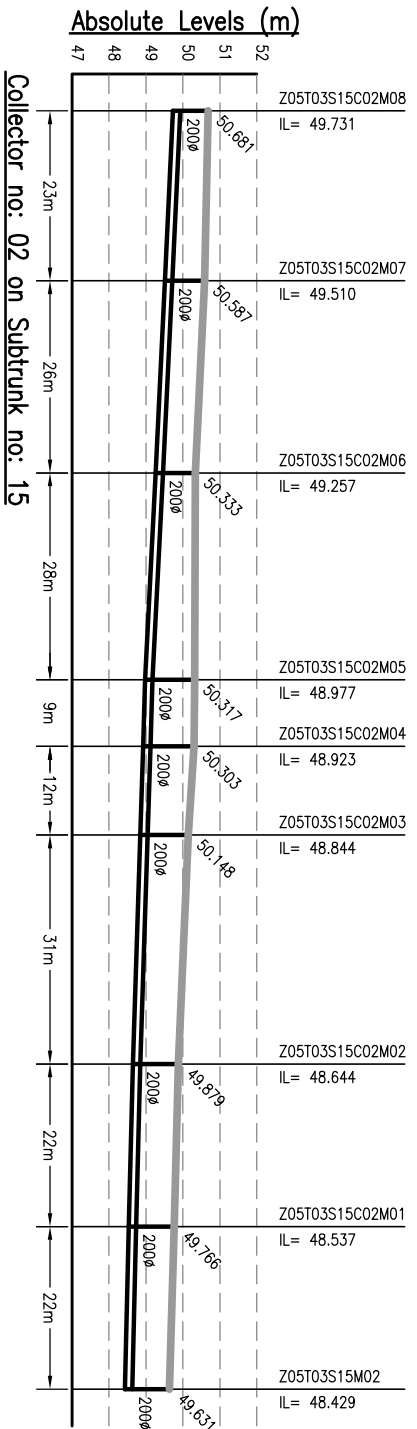
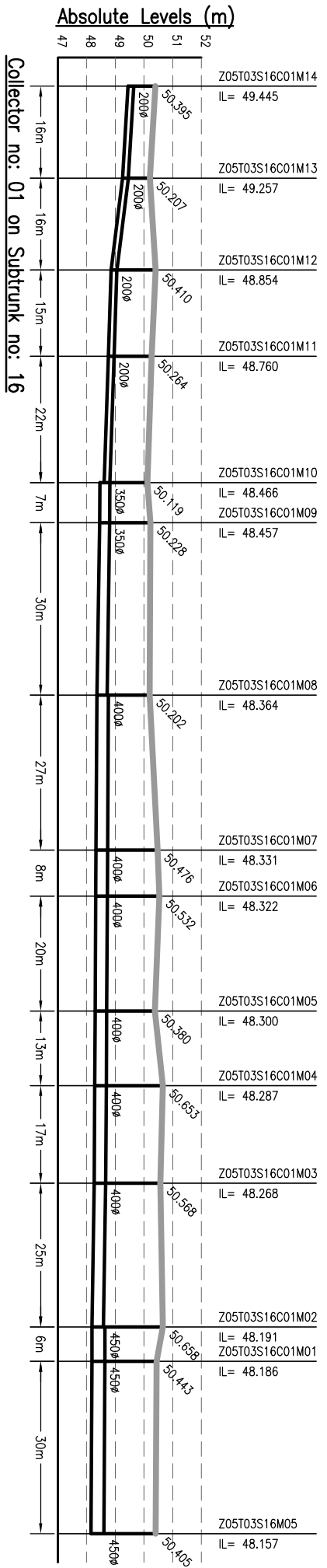
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**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF COLLECTOR  
ZONE-5, TRUNK-3 (STP)  
(PART - 5 OF 18)

PURPOSE OF ISSUE	SCALE: H-1000, V-200
DRAWN	SHEET SIZE: A3
CHECKED	DATE OF FIRST ISSUE
DESIGNED	
APPROVED	

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-C-05	00





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Drawing Base Reference:  
**PKC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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 DEVELOPMENT CORPORATION

PROJECT:-  
**PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS:  
 TENDERING FOR EXECUTION:  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM**

CONSULTANT:-

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 www.meinhardtdr.com, Email: hnd@meinhardtdr.com

DRAWING TITLE  
**SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (STP)**  
 (PART - 6 OF 18)

PURPOSE OF ISSUE  
 DRAFT RETAINED PROJECT REPORT

SCALE: H-1000, V-200

SHEET SIZE: A3

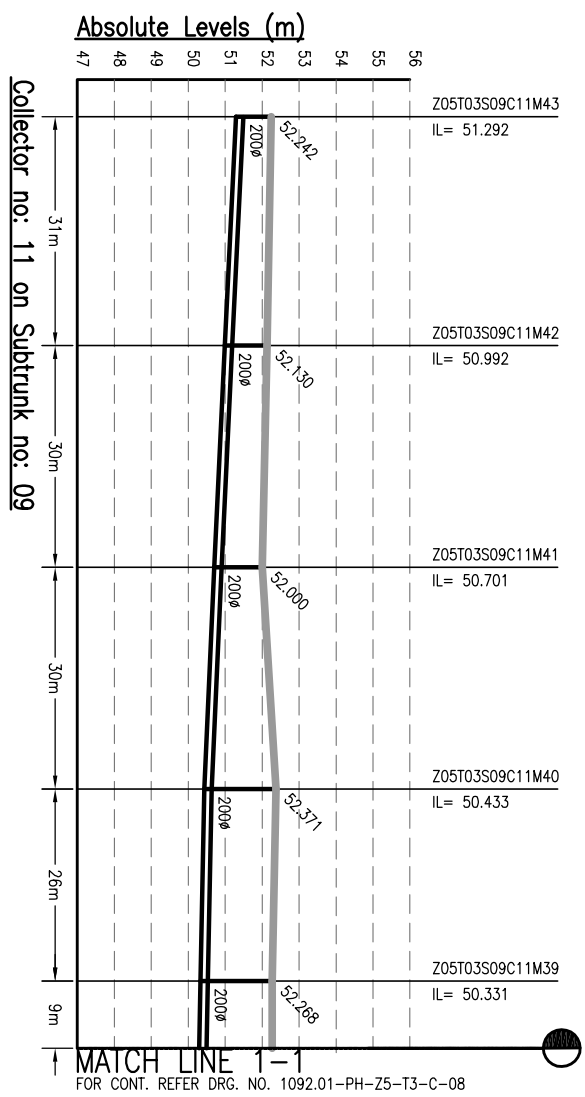
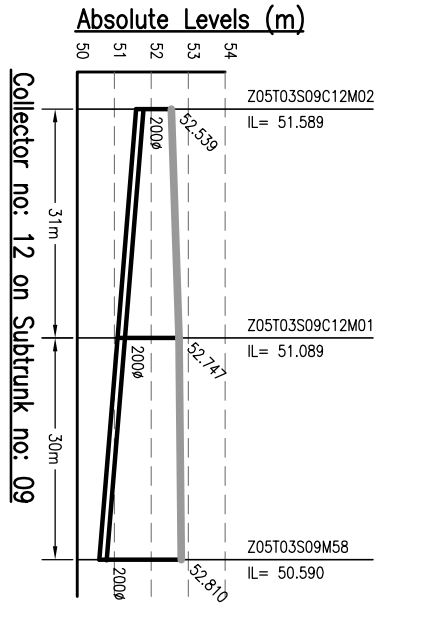
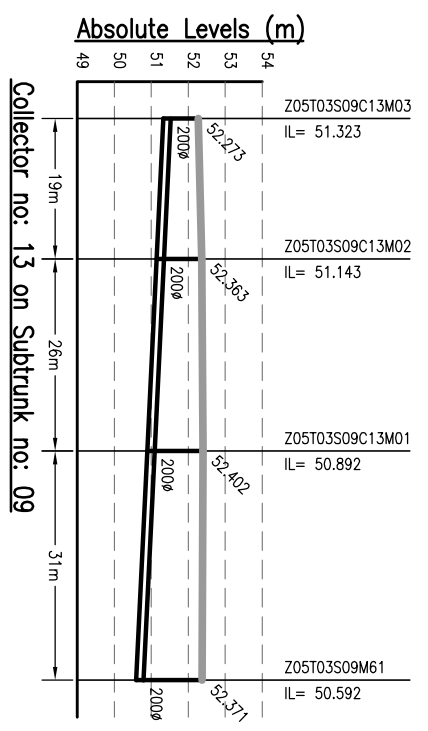
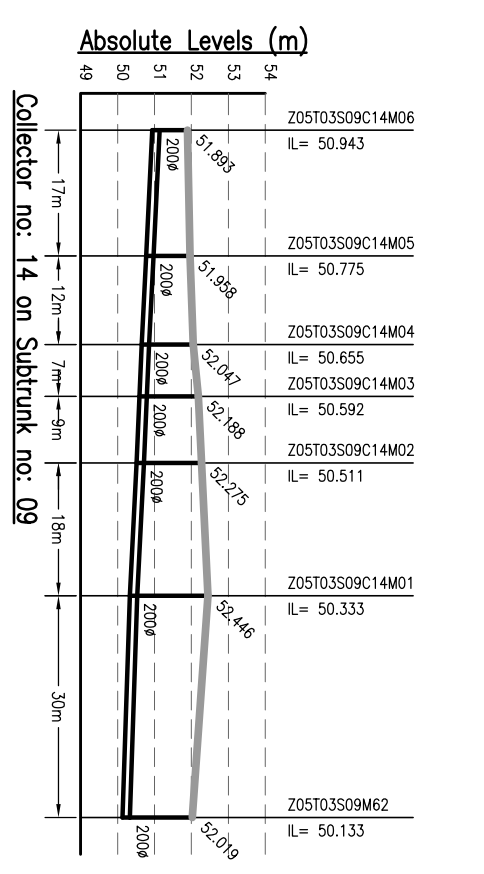
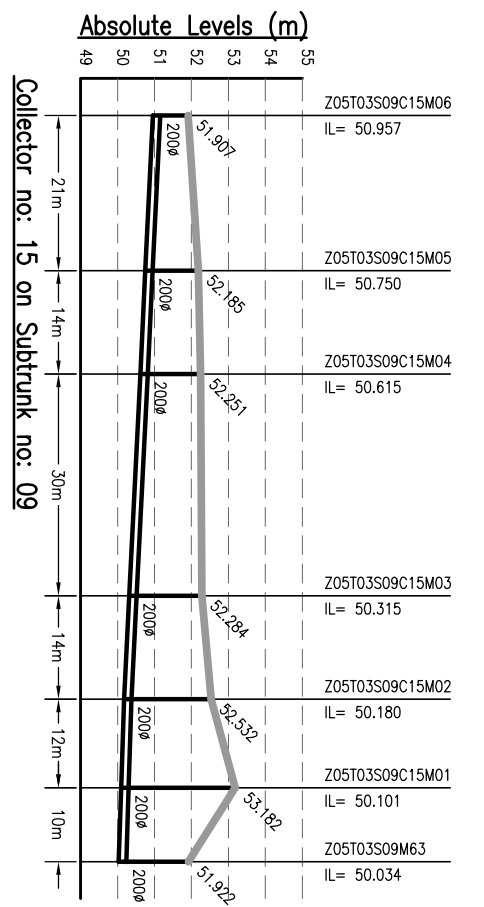
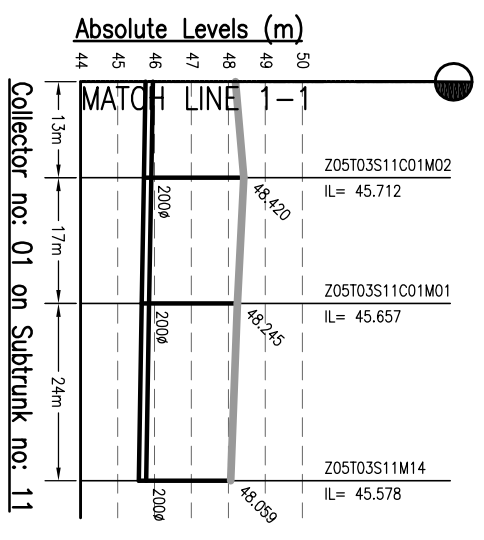
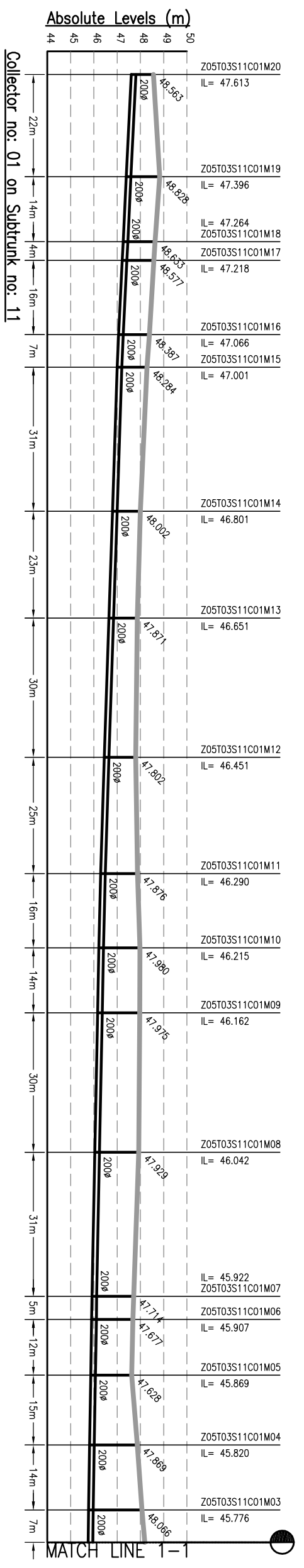
DISCIPLINE	DATE OF FIRST ISSUE
DRAWN	MAY 2013
DESIGNED	MAY 2013
CHECKED	MAY 2013
APPROVED	MAY 2013

JOB NO. 1092.01 PH

DRAWING NO. Z5-T3-C-06

REVISION 00





MATCH LINE 1-1  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-C-08

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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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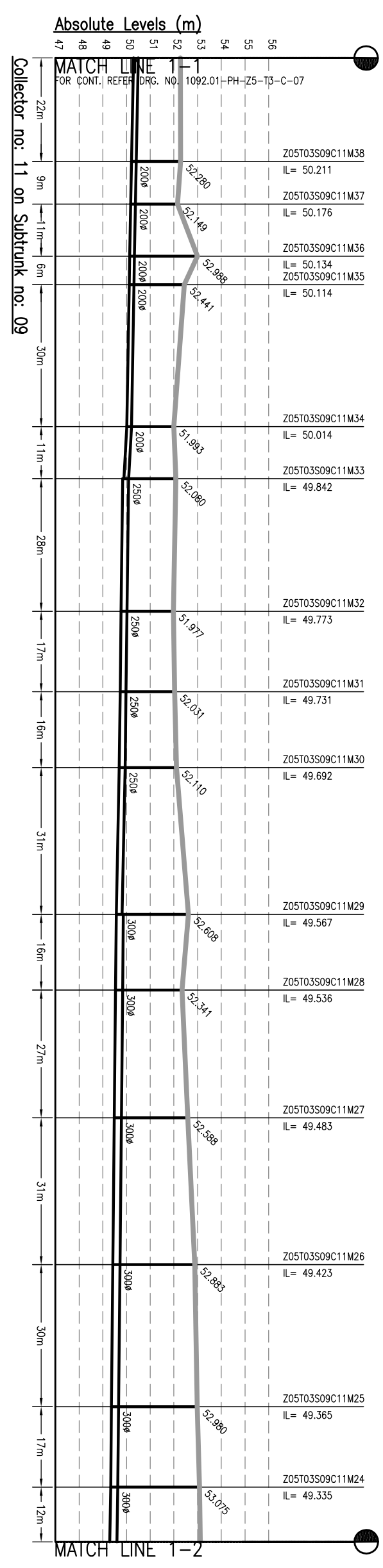
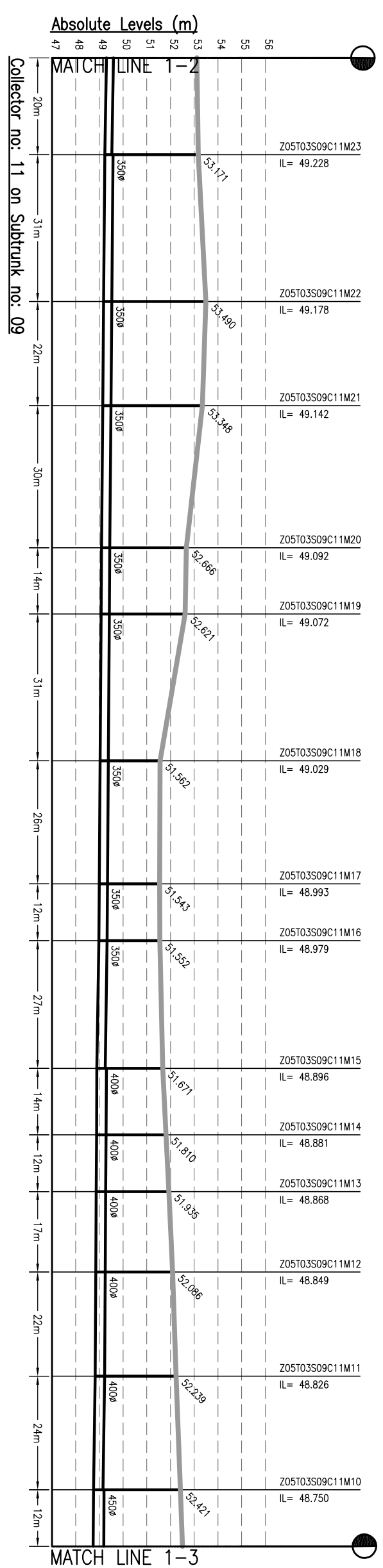
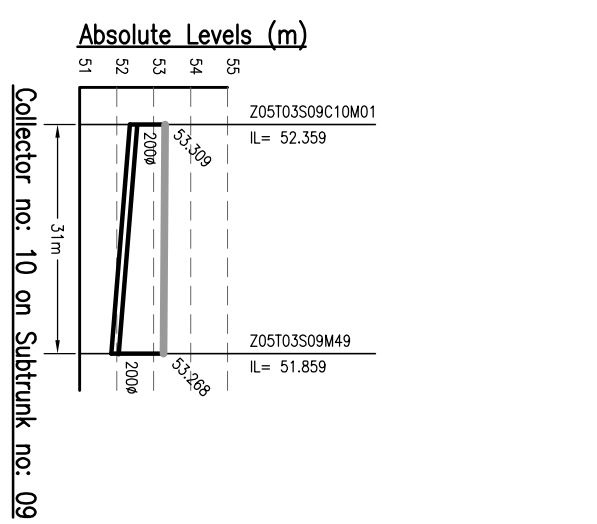
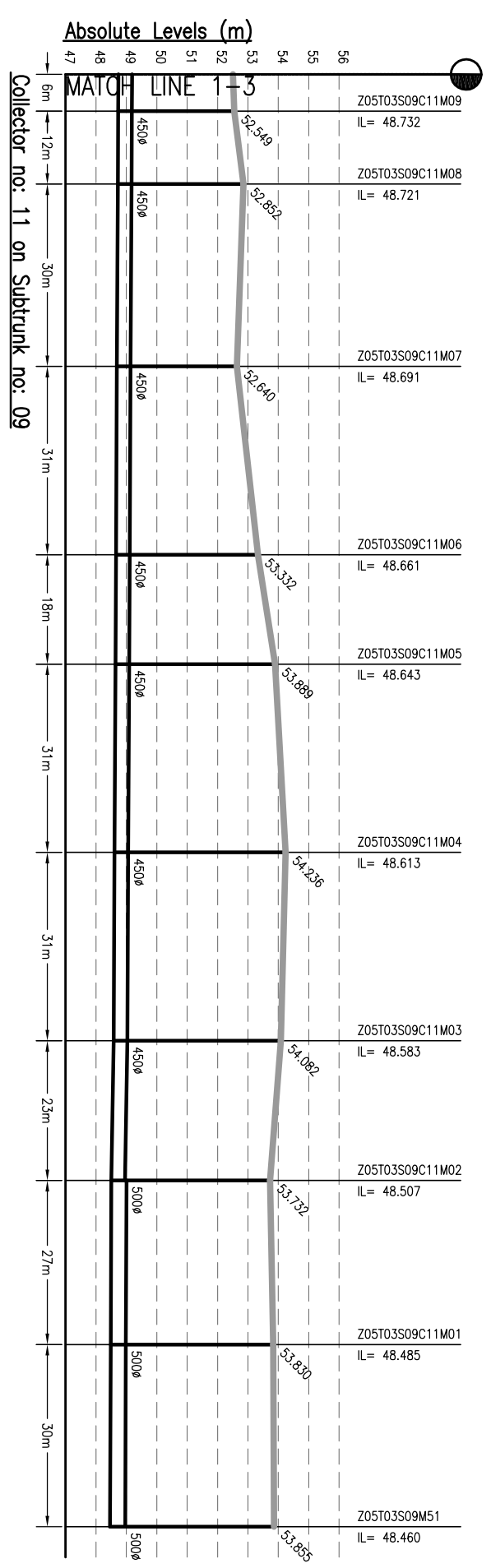
**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
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Website: [www.buidc.com](http://www.buidc.com)

**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

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**DRAWING TITLE  
SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-3 (STP)**  
(PART - 7 OF 19)

DISCIPLINE	NO.	DATE	REVISION
PH	01	Z5-T3-C-07	00



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Drawing Base Reference:-  
**PMC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

NO	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP
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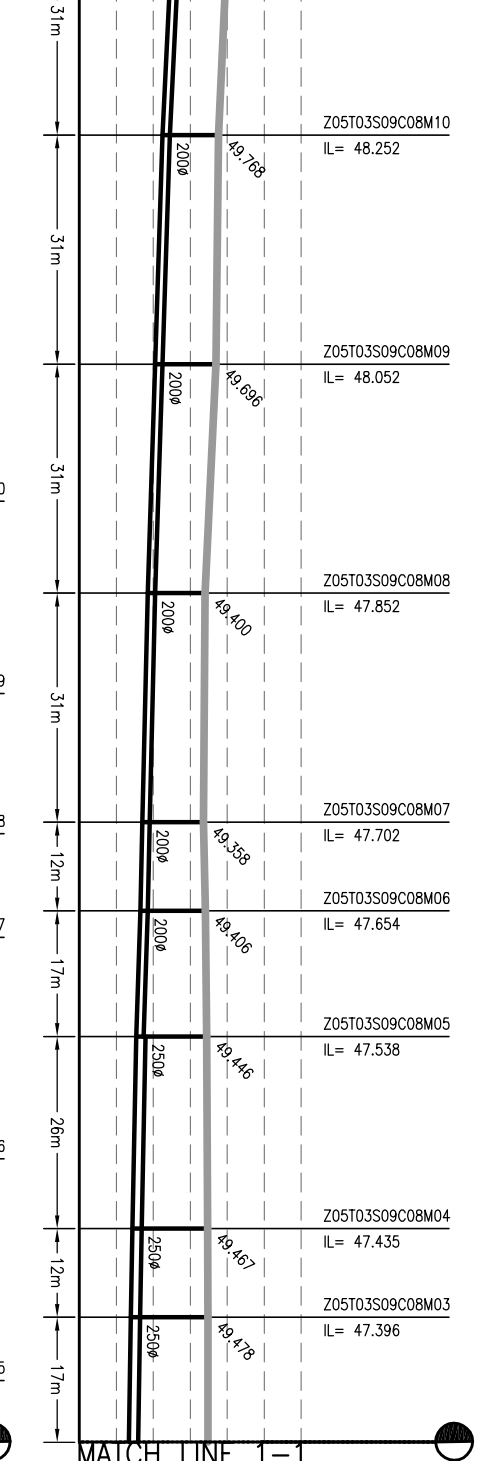
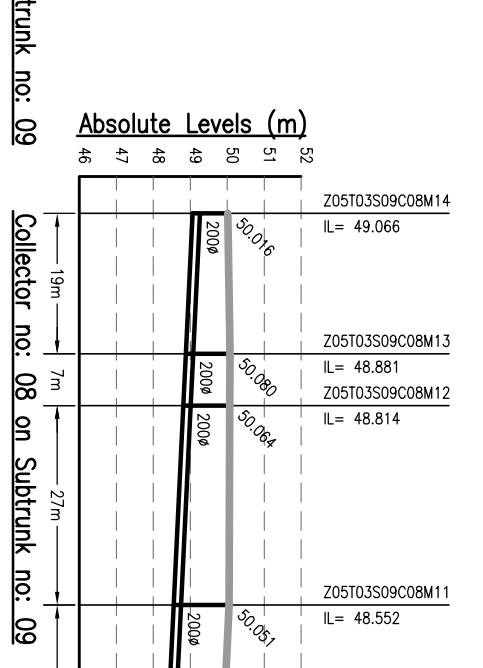
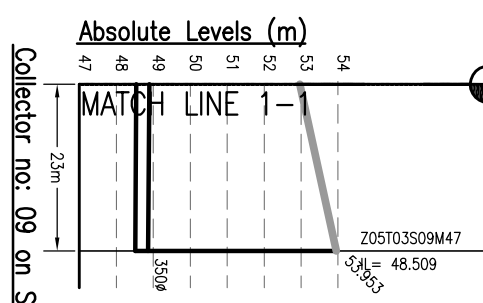
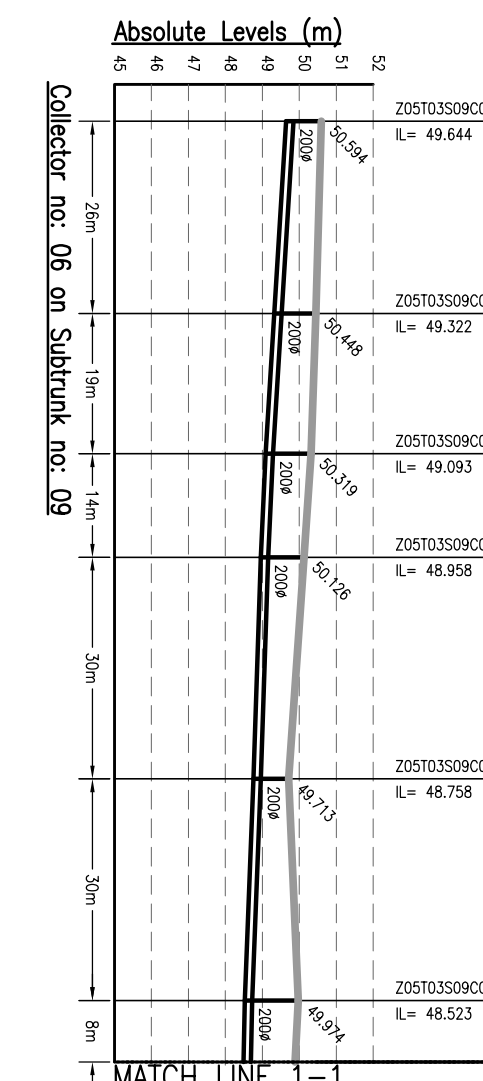
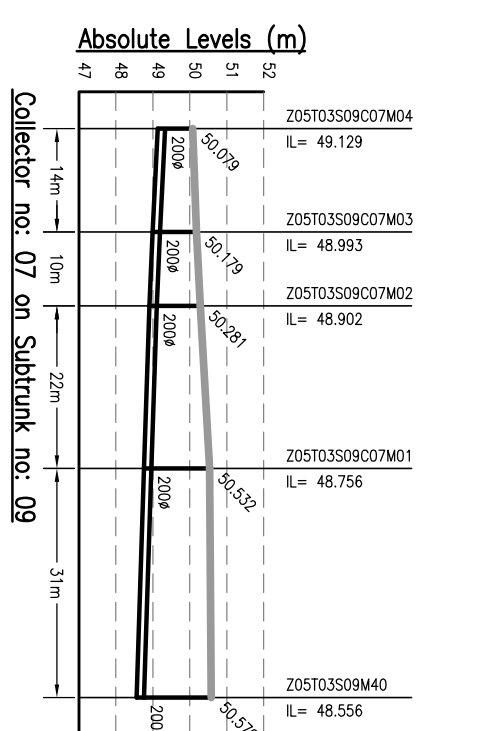
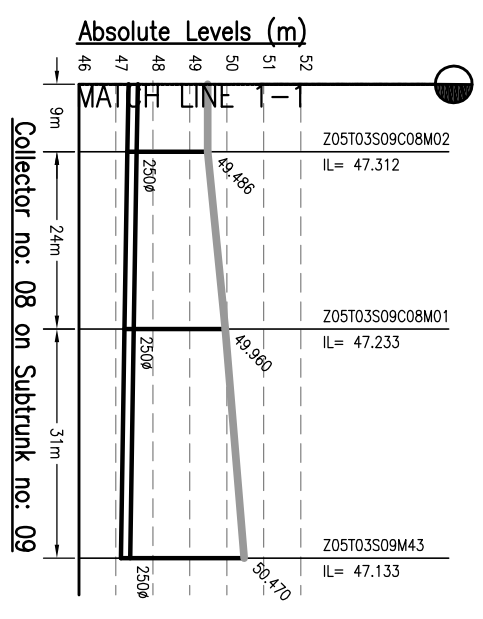
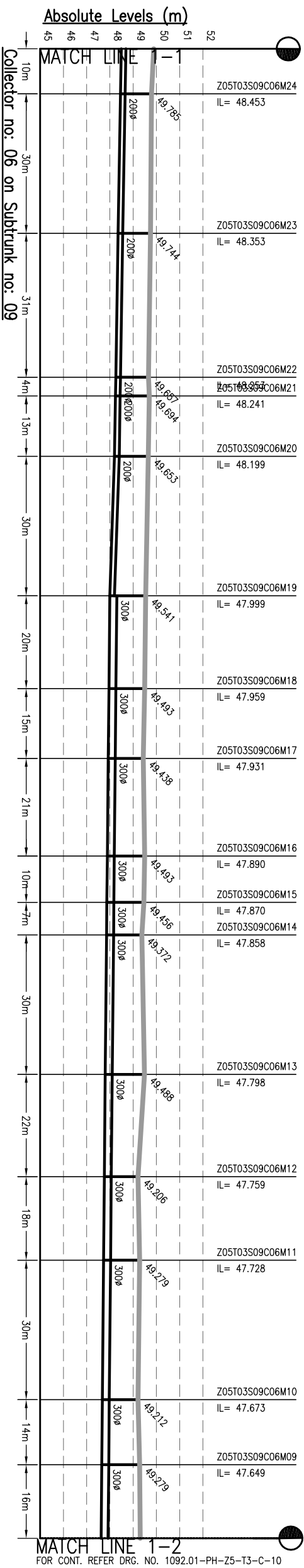
**MEINHARDT**  
 URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
 BIHAR

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
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**CONSULTANT:-**  
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (STP)  
 (PART - 8 OF 18)

DISCIPLINE	NO.	DATE	REVISION
PH	01	MAY 2013	00
PH	02	MAY 2013	00
PH	03	MAY 2013	00
PH	04	MAY 2013	00
PH	05	MAY 2013	00
PH	06	MAY 2013	00
PH	07	MAY 2013	00
PH	08	MAY 2013	00
PH	09	MAY 2013	00
PH	10	MAY 2013	00
PH	11	MAY 2013	00
PH	12	MAY 2013	00
PH	13	MAY 2013	00
PH	14	MAY 2013	00
PH	15	MAY 2013	00
PH	16	MAY 2013	00
PH	17	MAY 2013	00
PH	18	MAY 2013	00
PH	19	MAY 2013	00
PH	20	MAY 2013	00
PH	21	MAY 2013	00
PH	22	MAY 2013	00
PH	23	MAY 2013	00
PH	24	MAY 2013	00
PH	25	MAY 2013	00
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PH	53	MAY 2013	00
PH	54	MAY 2013	00
PH	55	MAY 2013	00
PH	56	MAY 2013	00



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Drawing Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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 Phone: +91 122 2516165, Fax: +91 122 2516163  
 Website: [www.bidc.org](http://www.bidc.org)

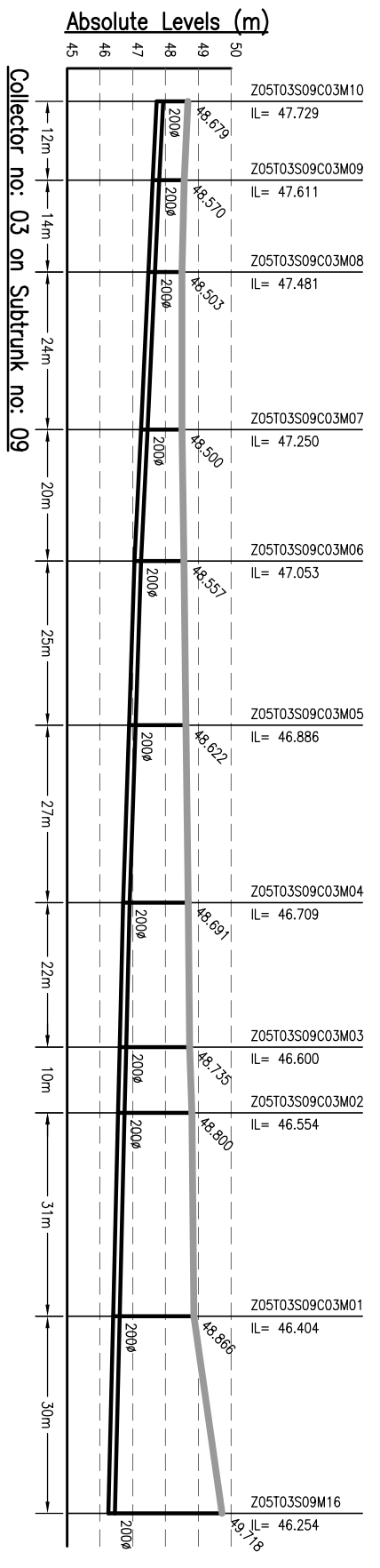
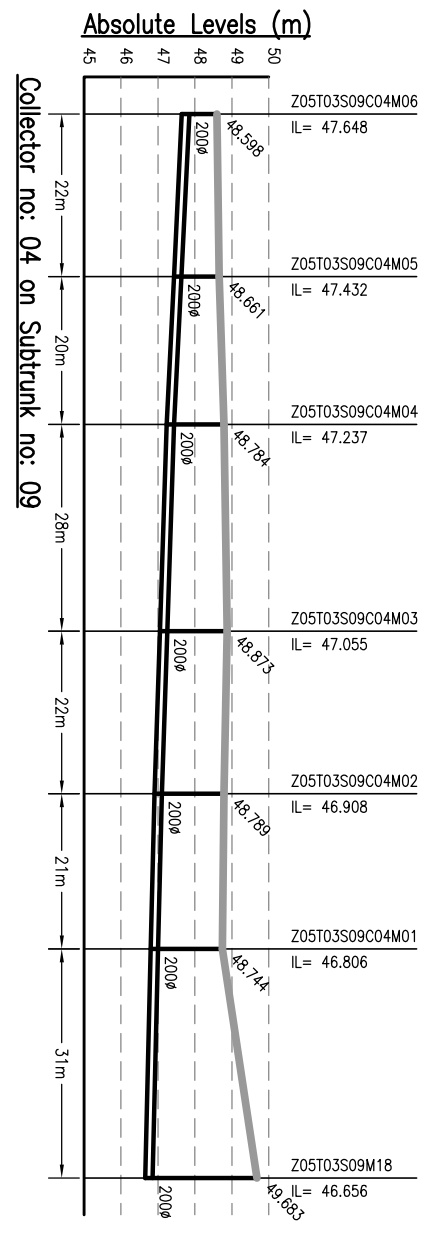
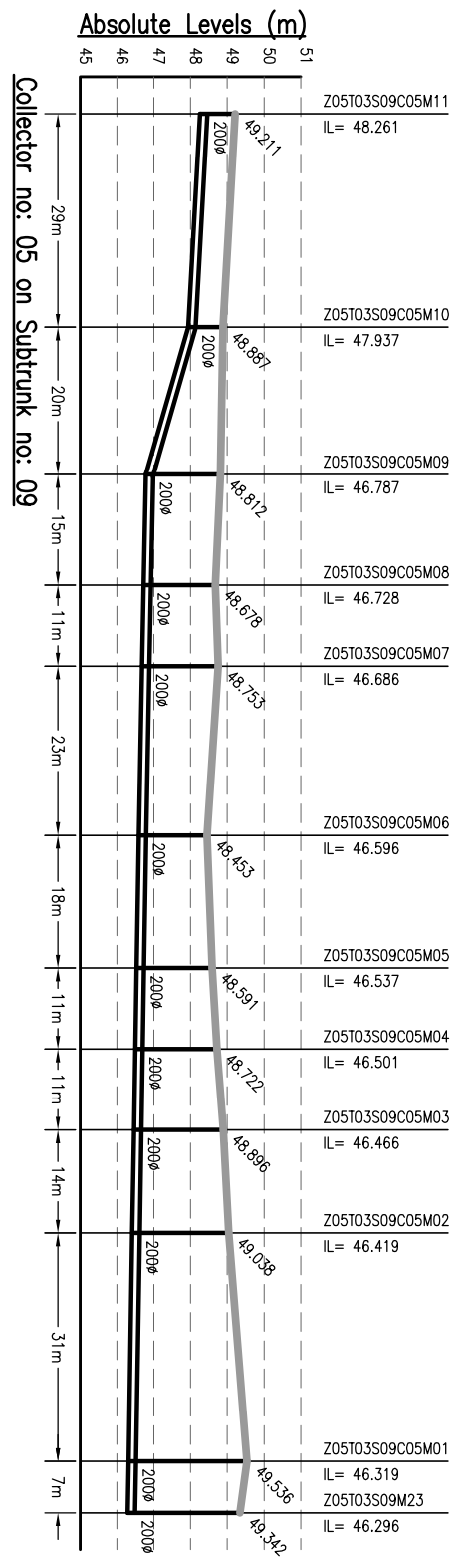
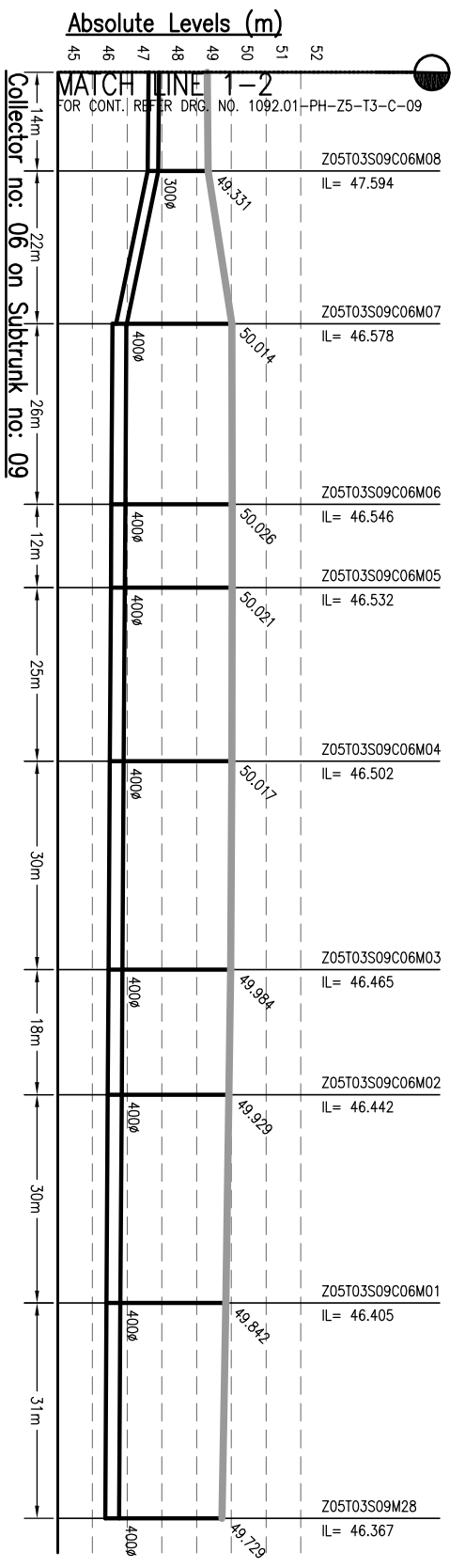
**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
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 UNDER JNNURM

**CONSULTANT:-**  
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 www.meinhardtgroup.com, Email:- [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (STP)  
 (PART - 9 OF 18)

DESIGNED	BY	DATE OF FIRST ISSUE
AH		MAY 2013
JR		MAY 2013
RP		MAY 2013
CRR		MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-C-09	00



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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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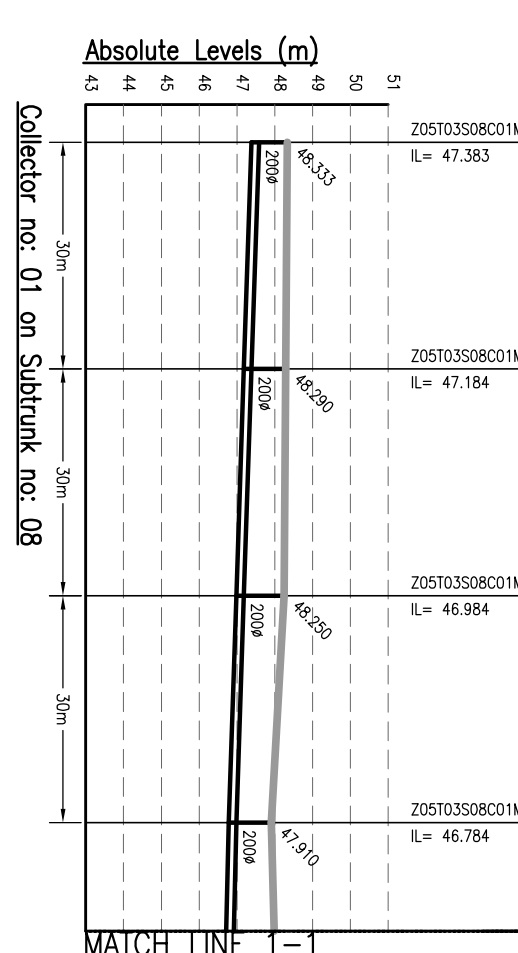
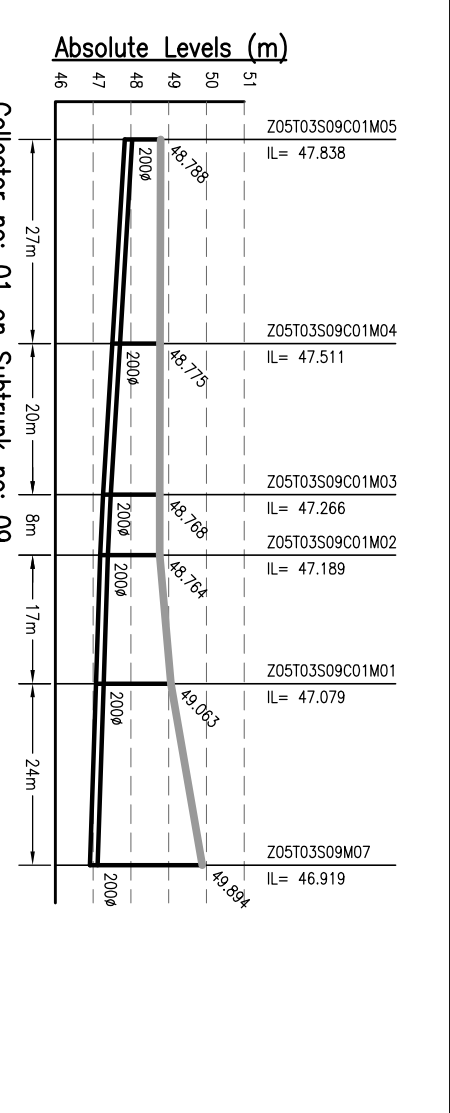
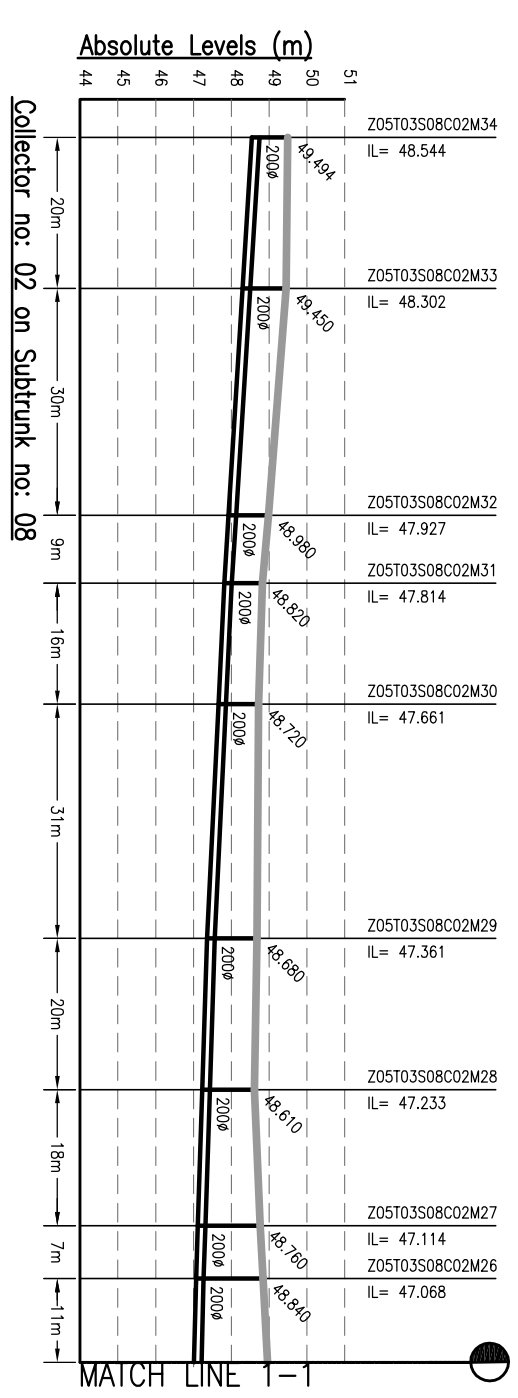
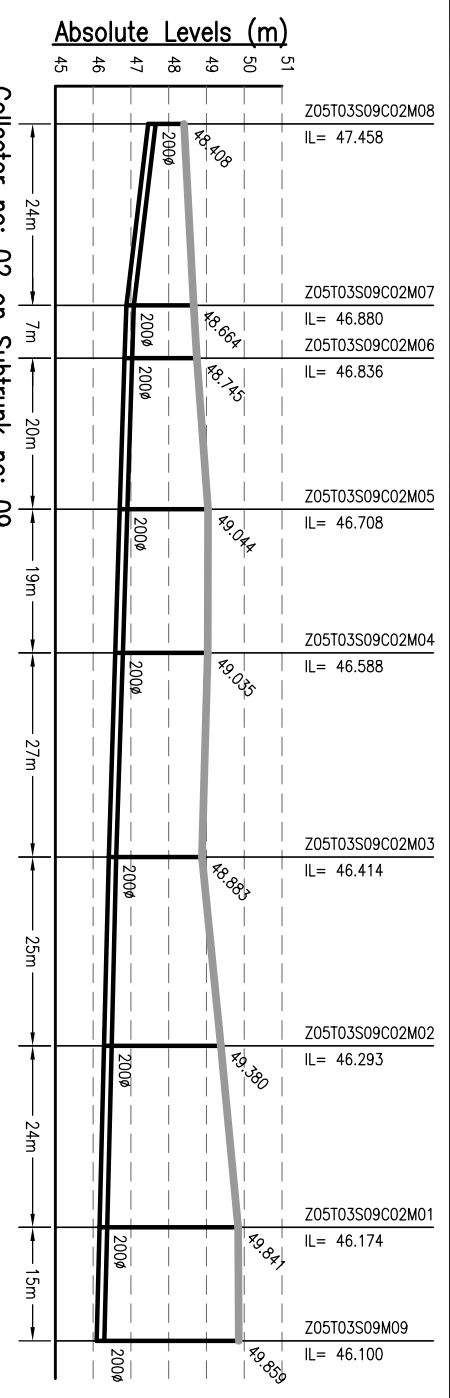
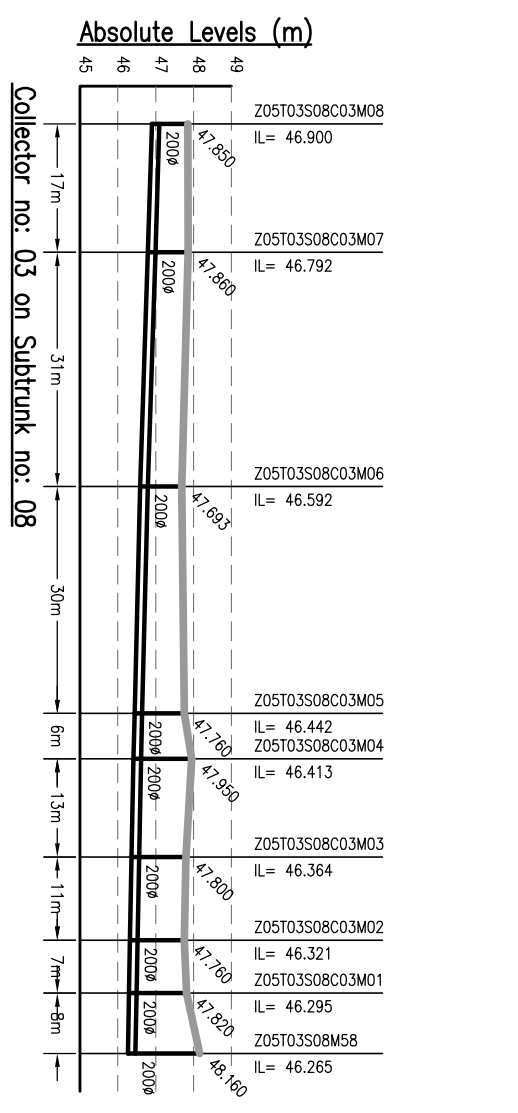
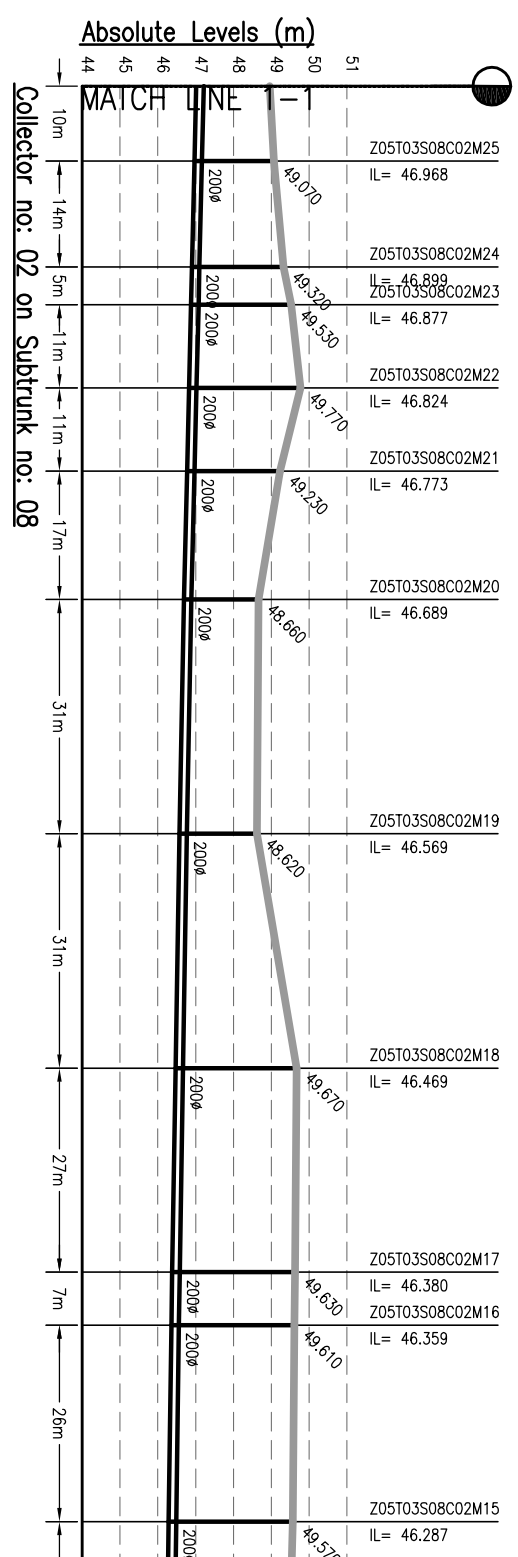
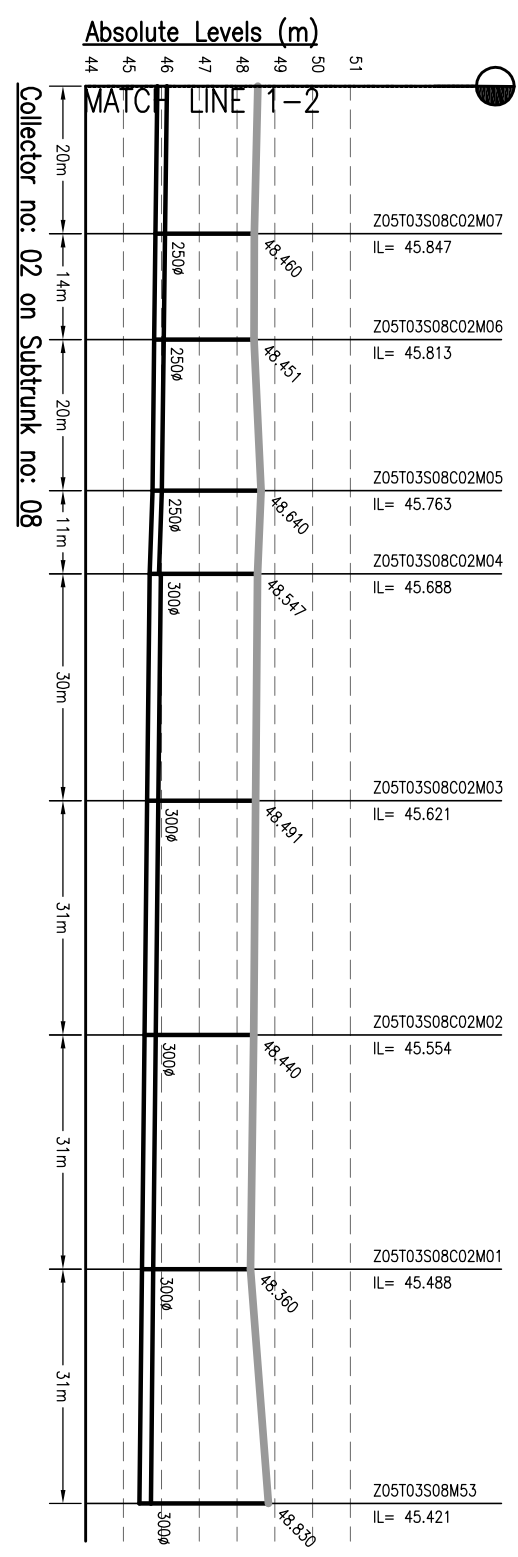
**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303 Malabar Tower,  
 100/101,  
 P.O. Box 100,  
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 Website: [www.ubdc.gov.in](http://www.ubdc.gov.in)

**PROJECT:-**  
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 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
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<b>DRAWING TITLE</b>		<b>SEWERAGE</b>	
<b>L-SECTION OF COLLECTOR</b>		<b>ZONE-5, TRUNK-3 (STP)</b>	
<b>(PART - 10 OF 18)</b>			
<b>PURPOSE OF ISSUE</b>	<b>SCALE</b> : H-1000, V-200	<b>SHEET SIZE</b> : A3	
<b>DRAWN</b>	BY	DATE OF FIRST ISSUE	
DESIGNED	JR	MAY 2013	
CHECKED	RP	MAY 2013	
APPROVED	CRR	MAY 2013	
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-C-10	00





FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-C-12

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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**PROJECT:-**  
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 Phone: +91 120 2516165, Fax: +91 120 2515745  
 Website: http://www.bidc.co.in

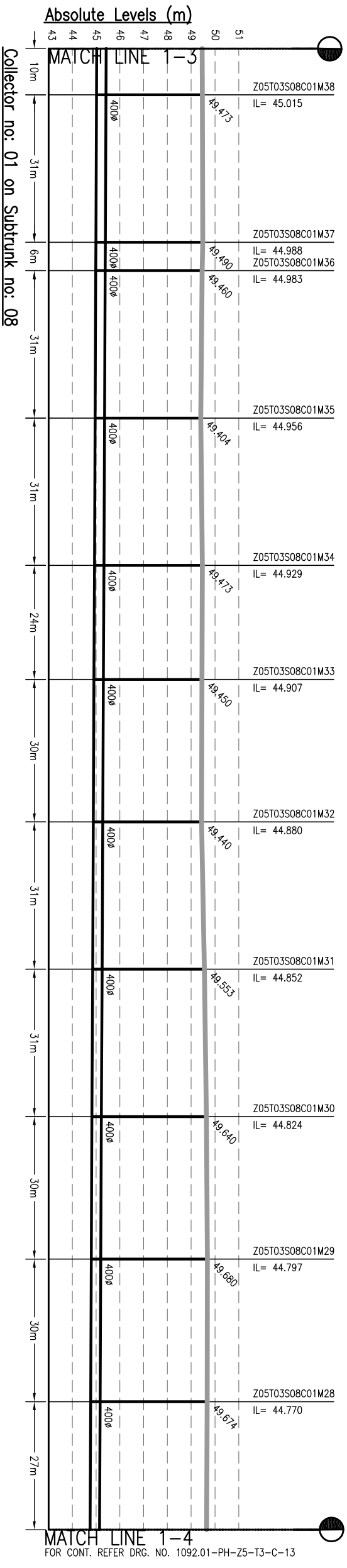
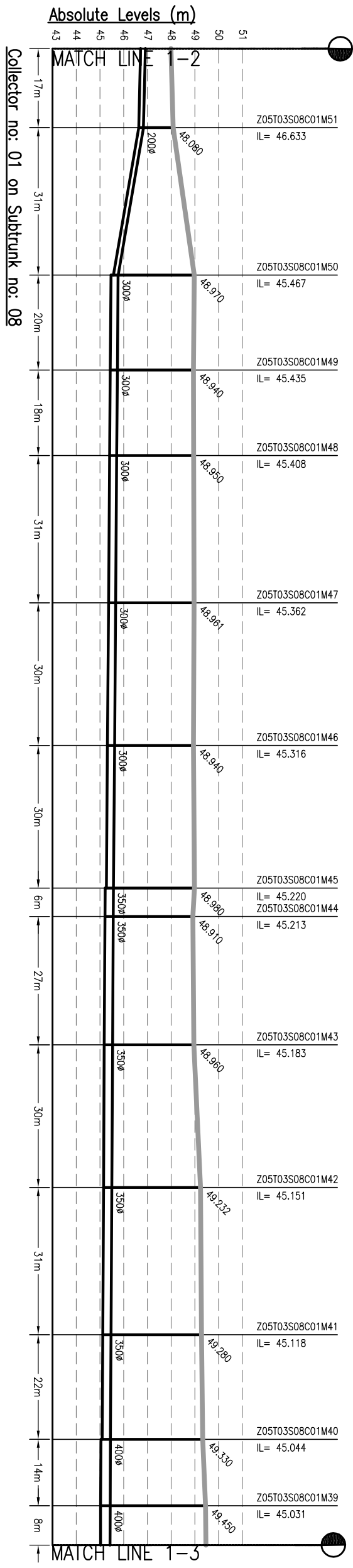
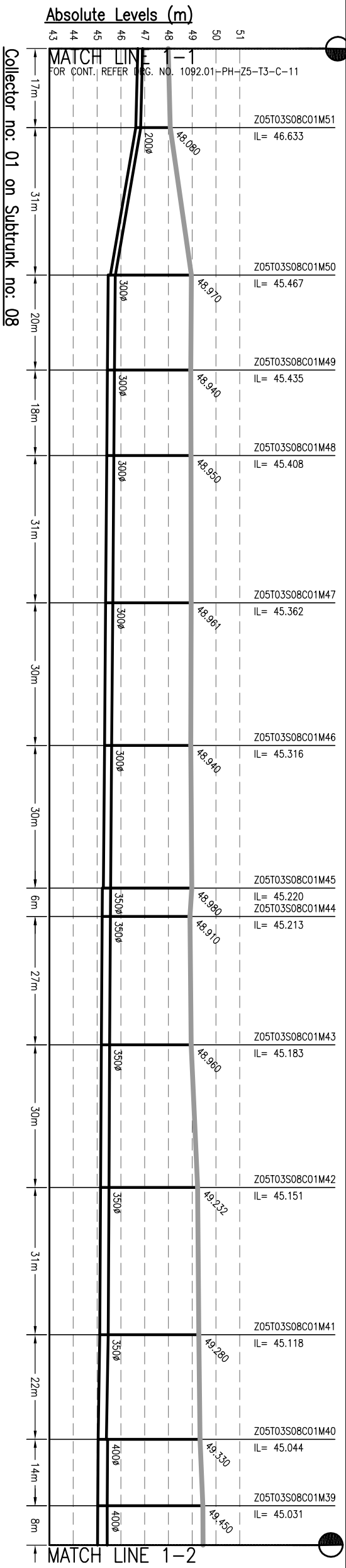
**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (STP)  
 (PART - 11 OF 16)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE** : H-1000, V-200  
**SHEET SIZE** : A3  
**DATE OF FIRST ISSUE**  
 MAY 2013

**DRAWN** : AH  
**CHECKED** : JR  
**APPROVED** : RP  
**DATE** : MAY 2013

**JOB NO.** : 1092.01  
**DISCIPLINE** : PH  
**DRAWING NO.** : Z5-11-C-11  
**REVISION** : 00



MATCH LINE 1-4  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-C-13

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Drawing Base Reference:-  
**PHC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DRG SUBMISSION	RP

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Phone: +91 91 2210101, Fax: +91 91 2210103  
Website: [www.bidc.gov.in](http://www.bidc.gov.in)

**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPPRs) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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**DRAWING TITLE**  
SEWERAGE OF COLLECTOR ZONE-5, TRUNK-3 (STP) (PART - 12 OF 18)

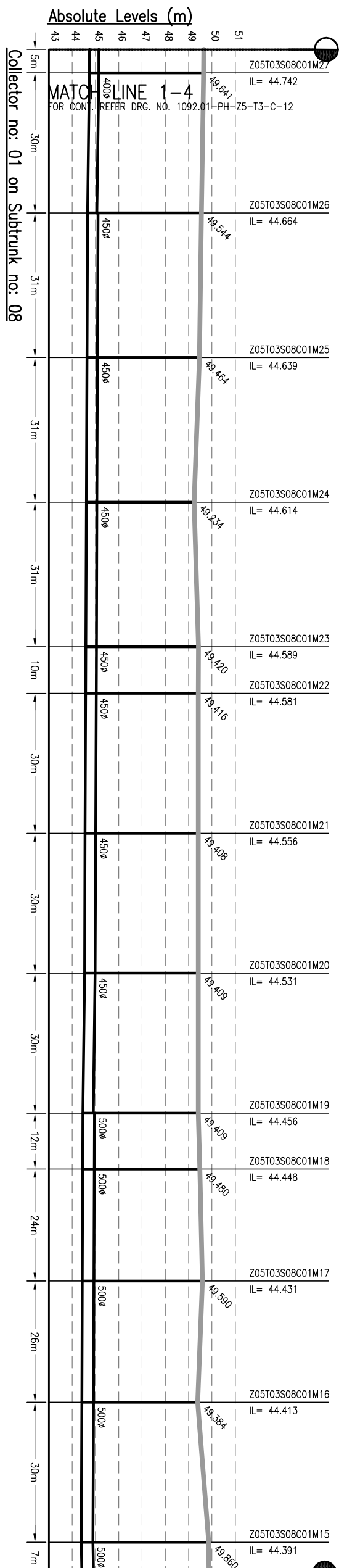
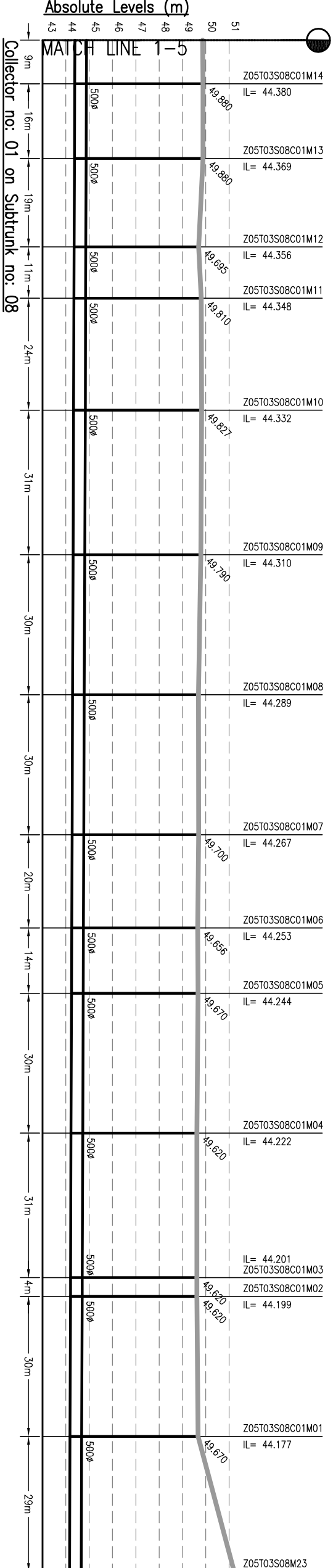
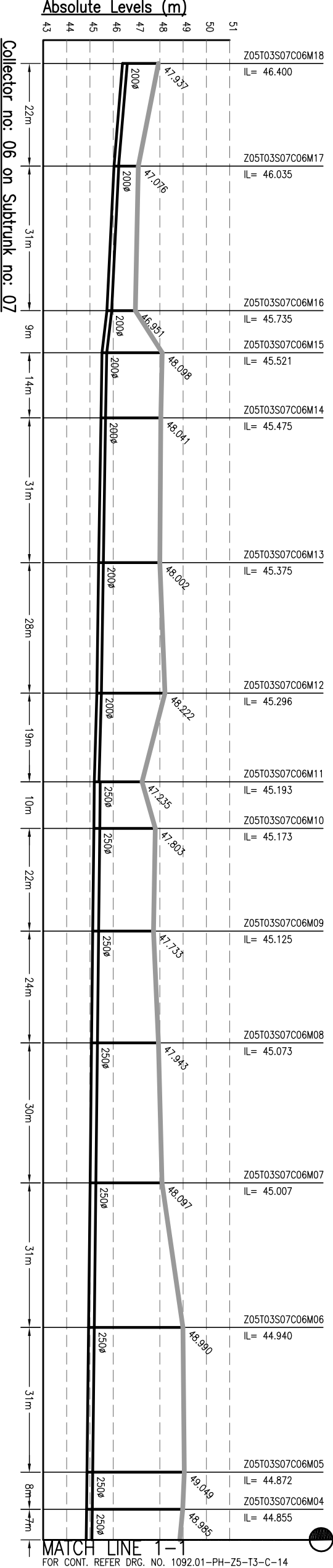
**PURPOSE OF ISSUE**  
DRAFT DETAIL PROJECT REPORT

**SCALE** : H-1000, V-200

**SHEET SIZE** : A3

**DATE OF FIRST ISSUE**

DISCIPLINE	NO.	DATE	REVISION
PH	01	Z5-T1-C-12	00



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Drafting Base Reference:  
**PKC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DRG SUBMISSION	RP

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 Phone: +91 122 2516151 Fax: +91 122 2516153  
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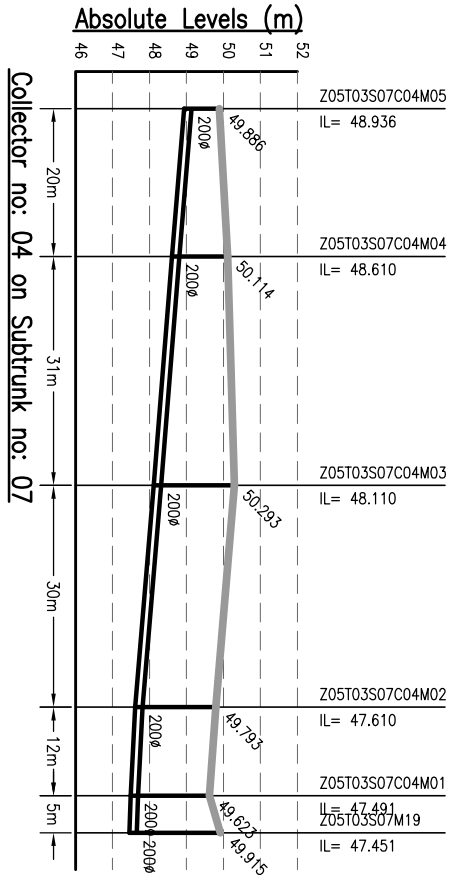
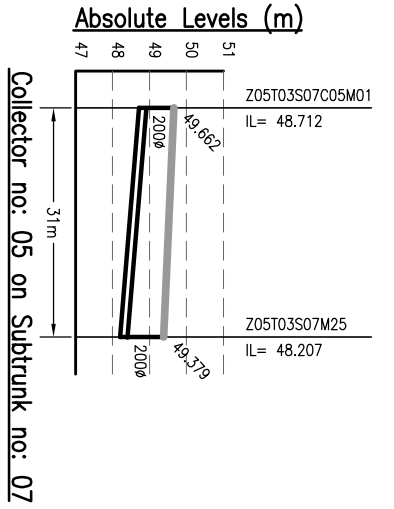
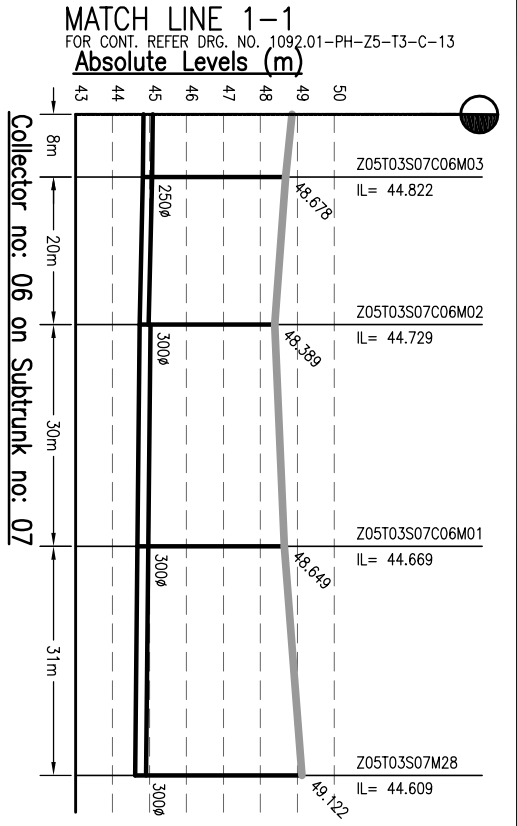
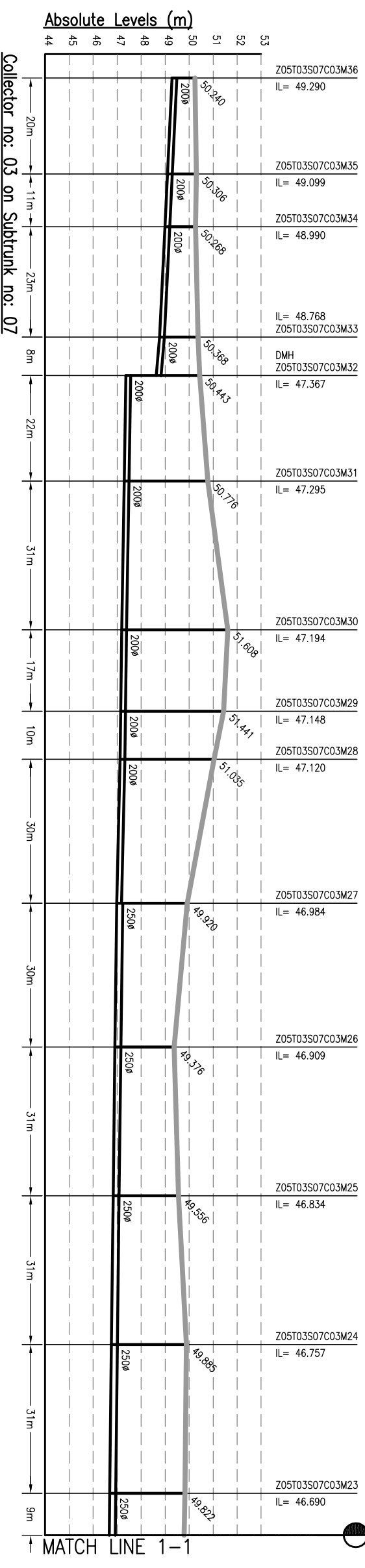
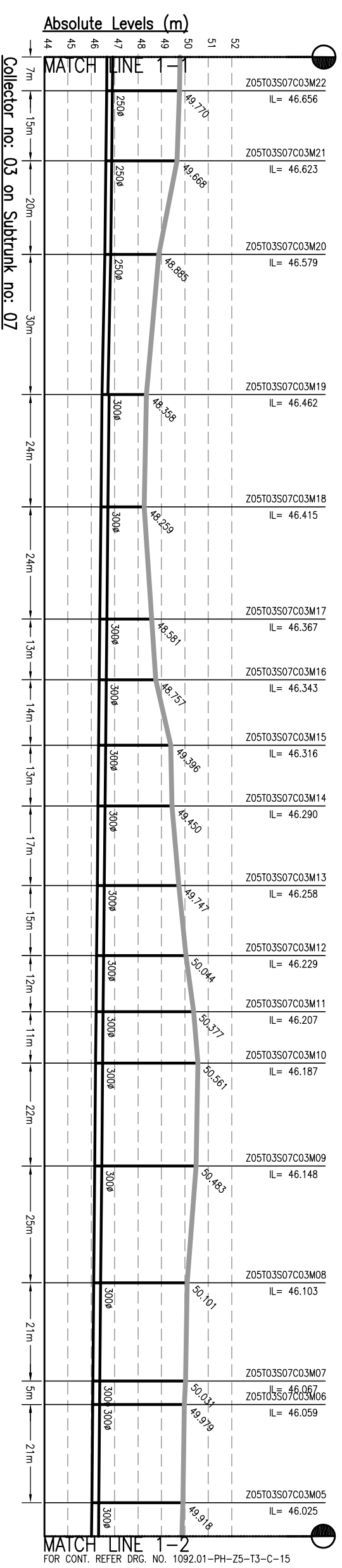
PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

CONSULTANT:-  
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 Ph.: +91 120 2516155 Fax No.: +91 120 2515745  
[www.meinhardtdr.com](http://www.meinhardtdr.com), Email: [info@meinhardtdr.com](mailto:info@meinhardtdr.com)

DRAWING TITLE  
**L-SECTION OF COLLECTOR ZONE-5, TRUNK-3 (STP)**  
 (PART - 13 OF 18)

SCALE: H-1000, V-200

DISCIPLINE	DATE OF FIRST ISSUE	REVISION
PH	MAY 2013	00
PH	MAY 2013	01
PH	MAY 2013	02
PH	MAY 2013	03
PH	MAY 2013	04
PH	MAY 2013	05
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PH	MAY 2013	07
PH	MAY 2013	08
PH	MAY 2013	09
PH	MAY 2013	10
PH	MAY 2013	11
PH	MAY 2013	12
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PH	MAY 2013	46
PH	MAY 2013	47
PH	MAY 2013	48
PH	MAY 2013	49
PH	MAY 2013	50
PH	MAY 2013	51



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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drafting Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Website: [www.buidc.com](http://www.buidc.com)

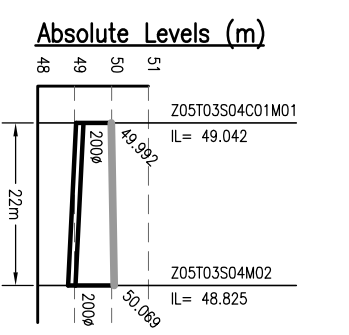
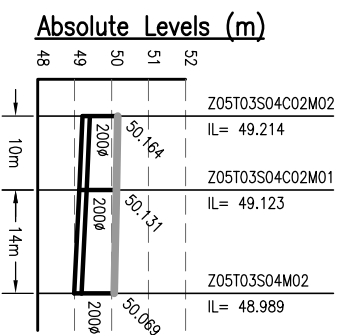
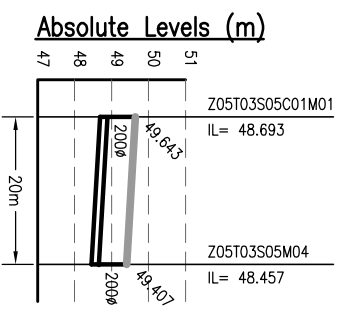
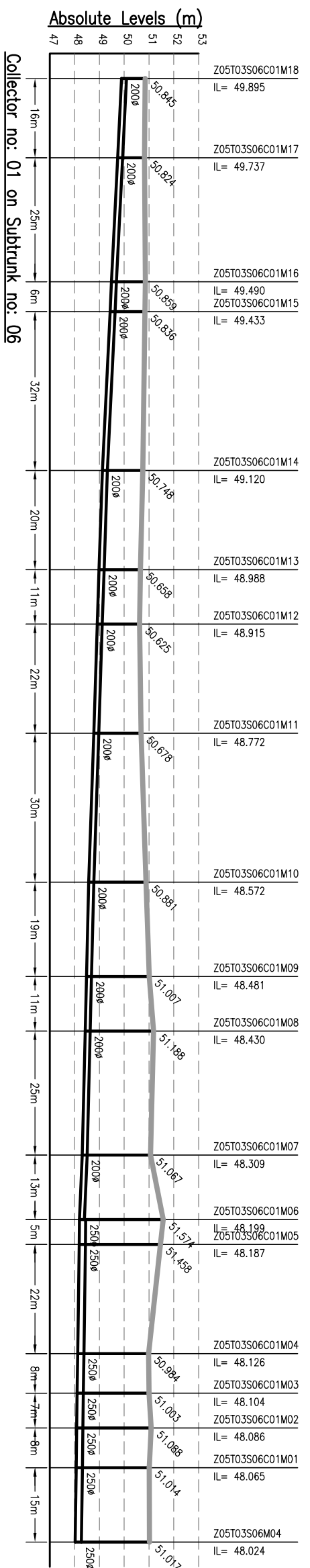
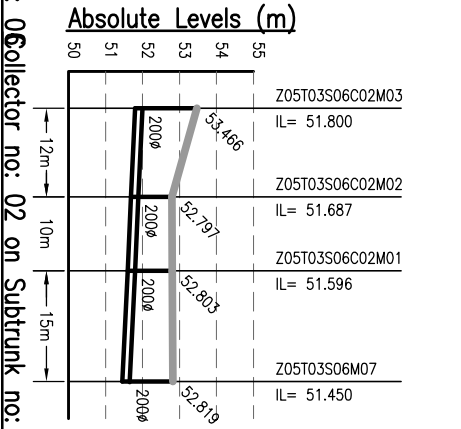
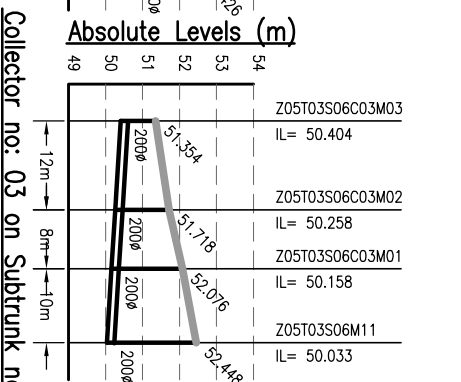
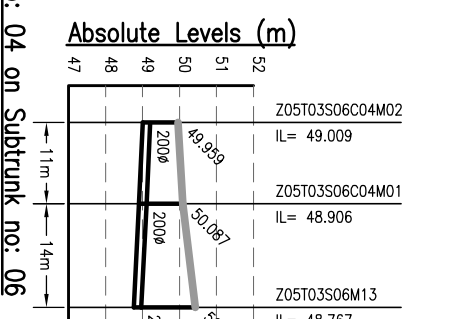
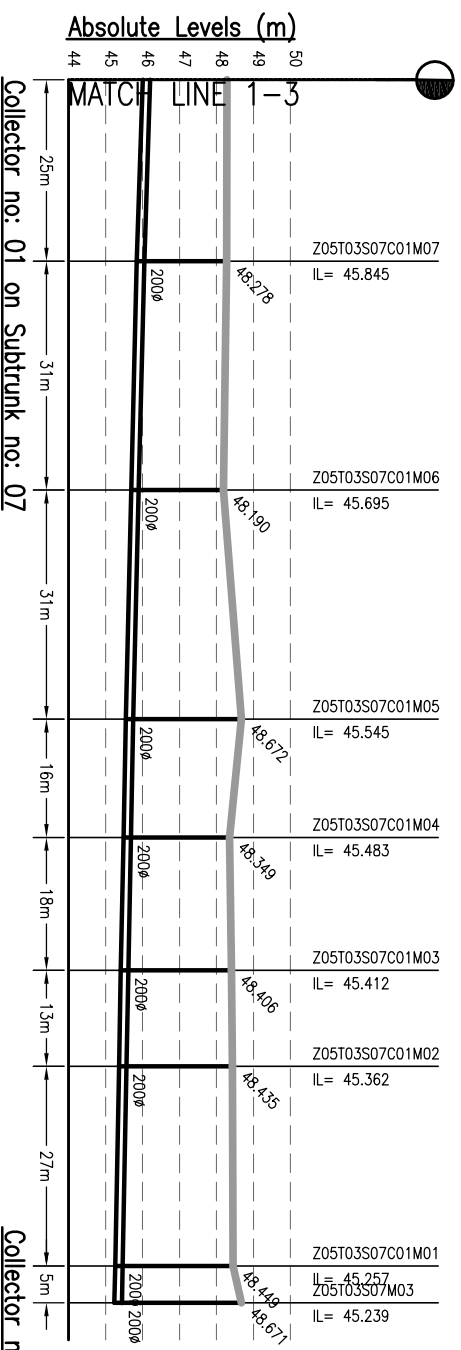
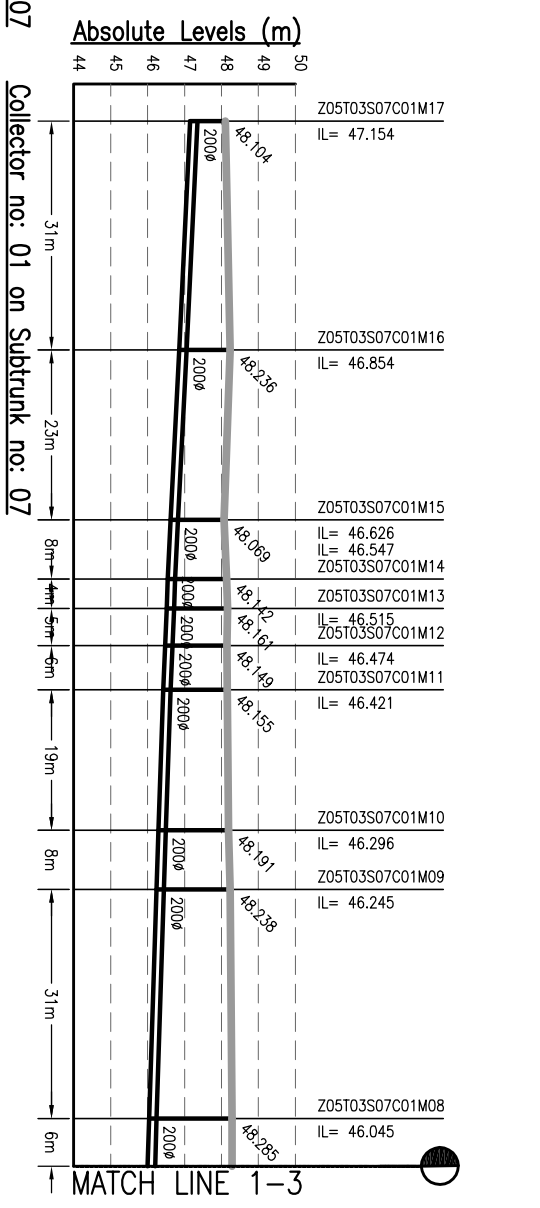
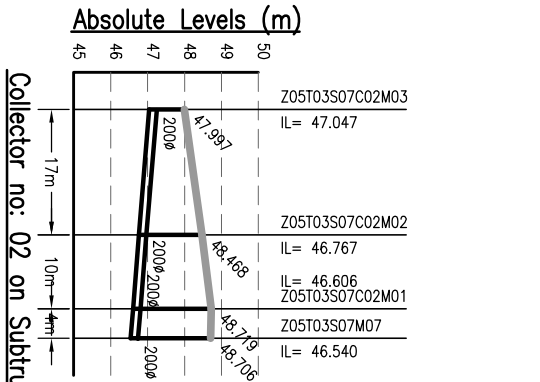
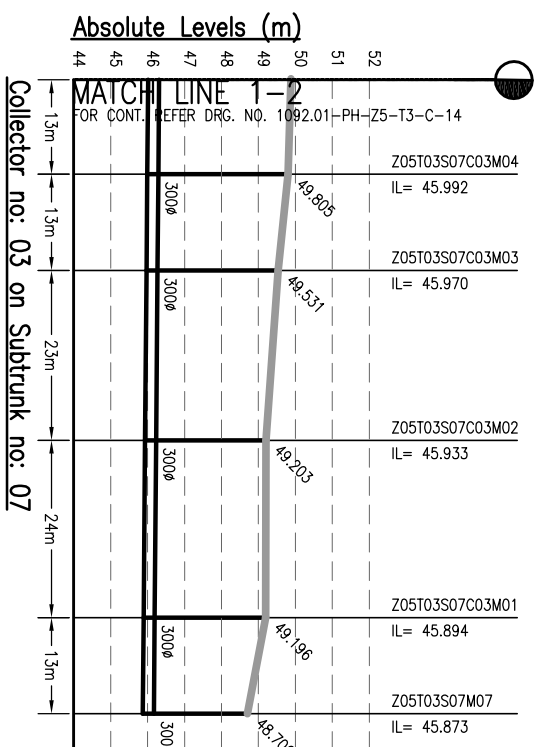
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-3 (STP)**  
 (PART - 14 OF 18)

DISCIPLINE	NO.	DATE	REVISION
PH	00	Z5-11-C-14	00





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Drawing Base Reference:-  
**PKC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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303, Malabar Tower, 10th Floor, Plot No. 10, Sector-16, Gurgaon, Haryana, India. Website: [www.bidc.org](http://www.bidc.org)

**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNUURM

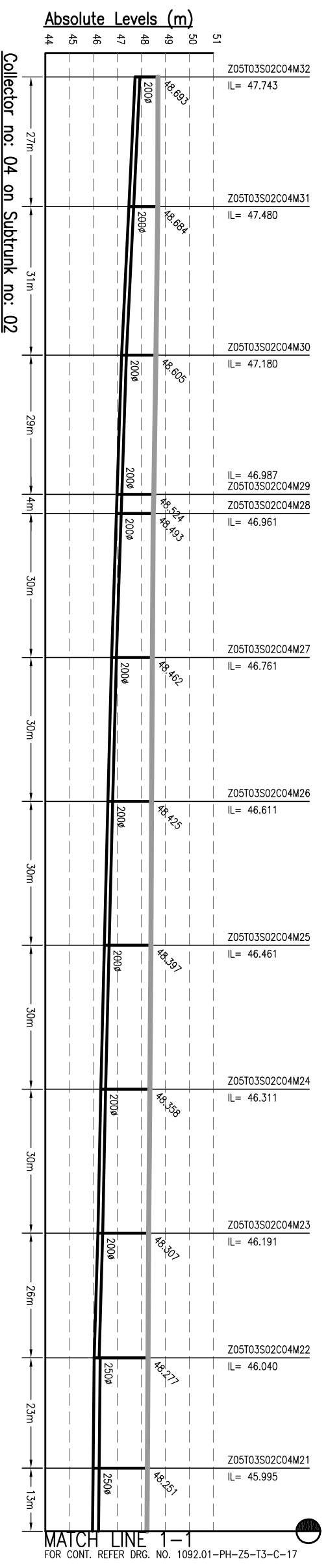
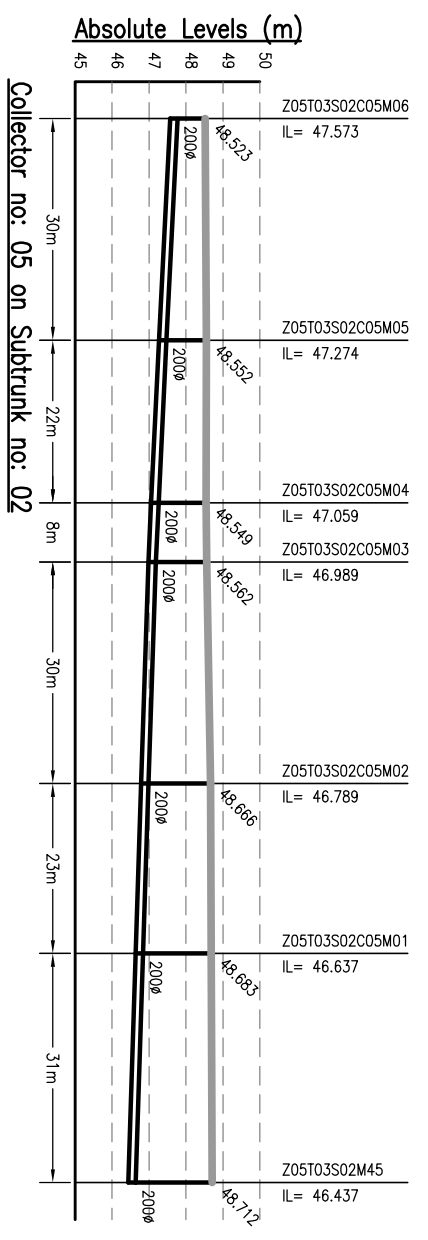
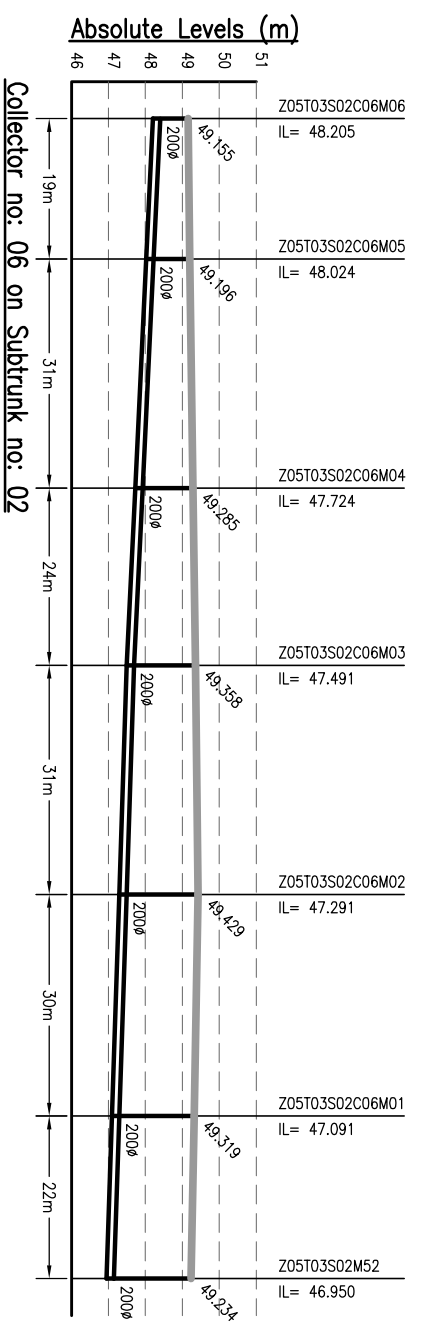
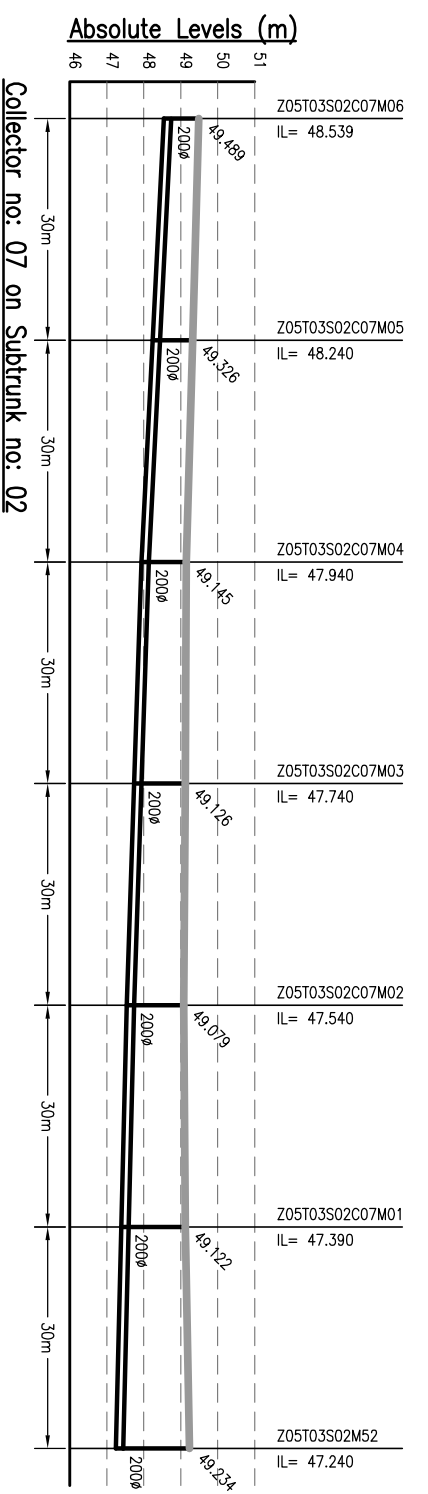
**CONSULTANT:-**  
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MEINHARDT (SINGAPORE) PTE. LTD.  
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[www.meinhardtpvt.com](http://www.meinhardtpvt.com), Email: [info@meinhardtpvt.com](mailto:info@meinhardtpvt.com)

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-3 (STP)**  
(PART - 15 OF 16)

DISCIPLINE	REVISION
PH	00

**JOB NO. 1092.01**

DATE	BY	APPROVED
MAY 2013	AH	JR
MAY 2013	RP	RP
MAY 2013	CRR	CRR



MATCH LINE 1-1  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-C-17

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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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450/10/01  
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**PROJECT:-**  
**PREPARATION OF DETAILED**  
**PROJECT REPORTS (DPRS) & BID**  
**DOCUMENTS:**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION &**  
**QUALITY CONTROL OF SEWERAGE &**  
**DRAINAGE PROJECTS OF PATNA**  
**UNDER JNNURM**

**CONSULTANT:-**

  
**MEINHARDT**  
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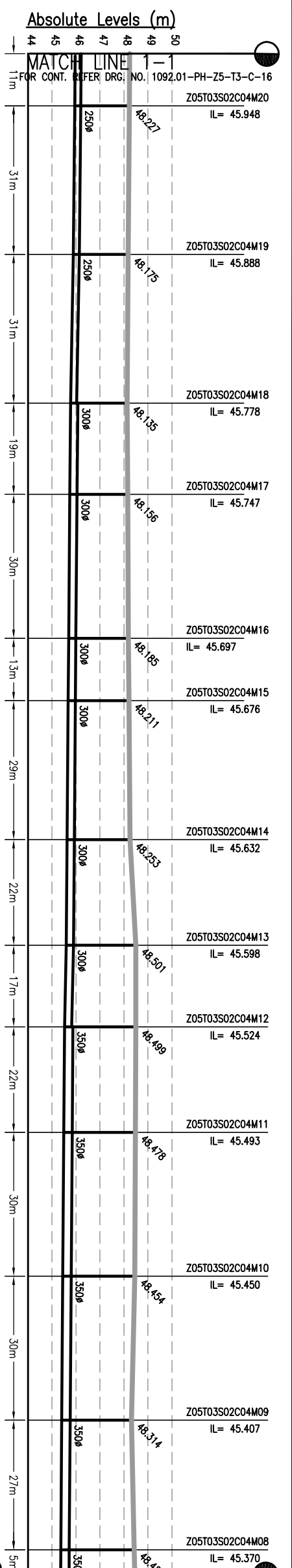
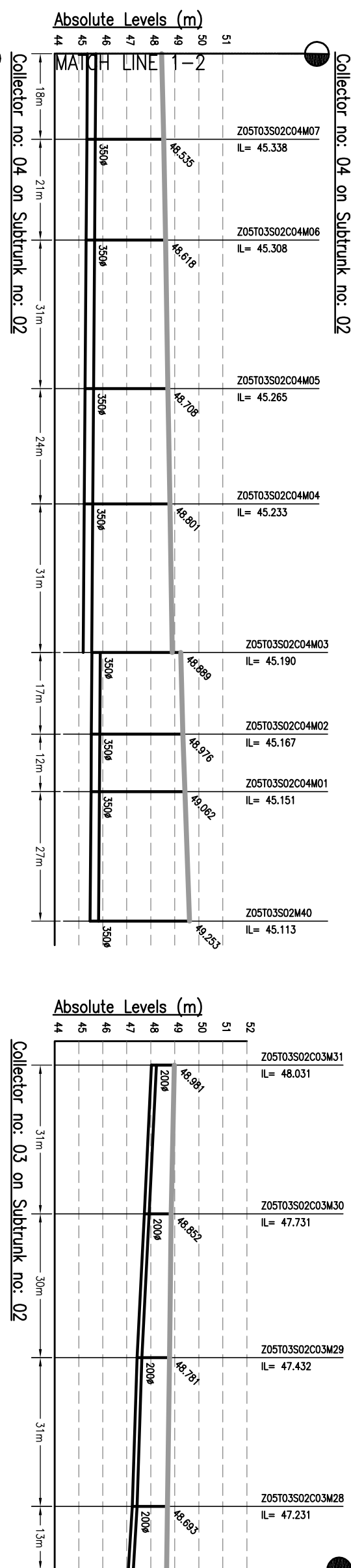
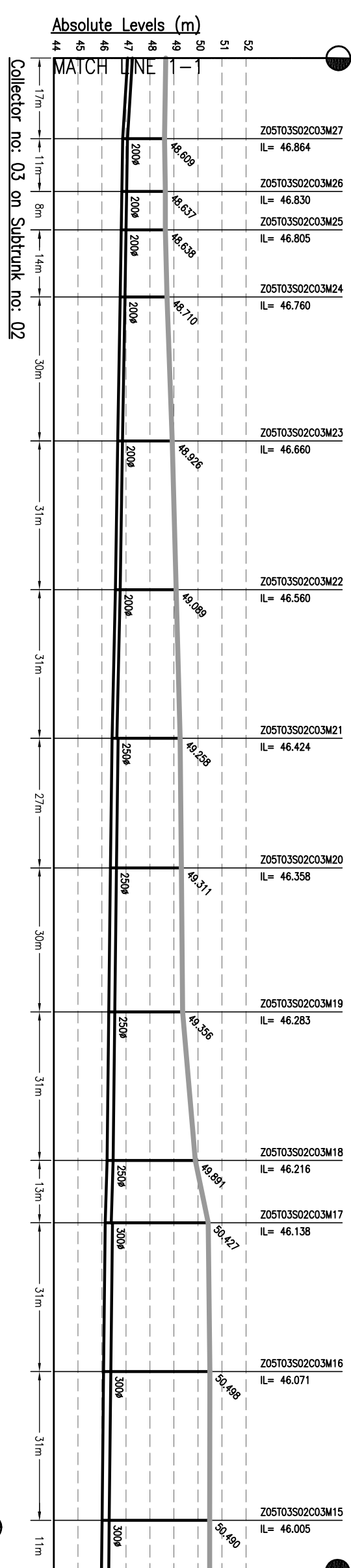
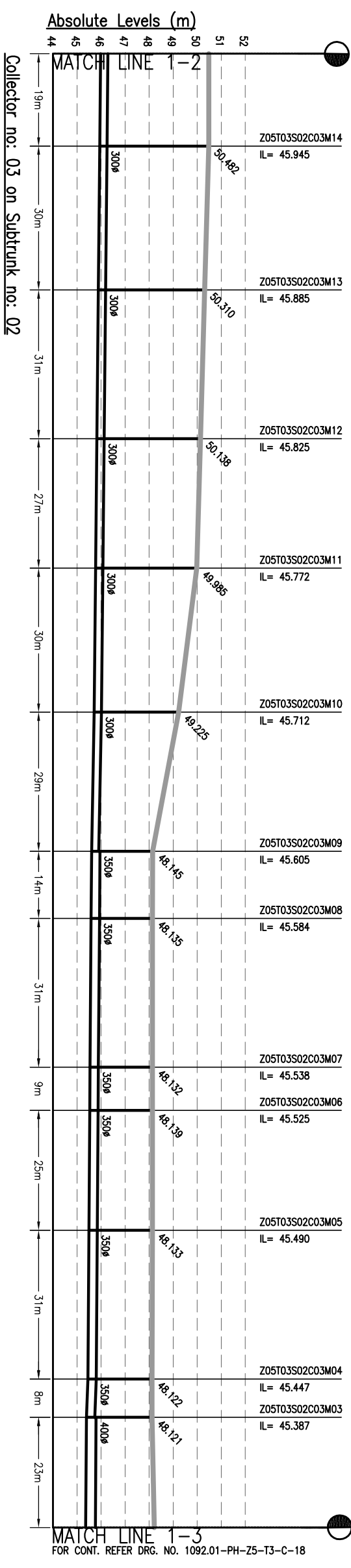
**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 16 OF 16)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

**SCALE:-** H-1000, V-200

DATE	BY	DATE OF FIRST ISSUE	SHEET SIZE
MAY 2013	AH	MAY 2013	A3
MAY 2013	JR	MAY 2013	
MAY 2013	RP	MAY 2013	
MAY 2013	CR	MAY 2013	

**JOB NO.** 1092.01    **DISCIPLINE** PH    **DRAWING NO.** Z5-T1-C-16    **REVISION** 00



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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Singapore 048947.  
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 Website: [www.mdc.com.sg](http://www.mdc.com.sg)

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**

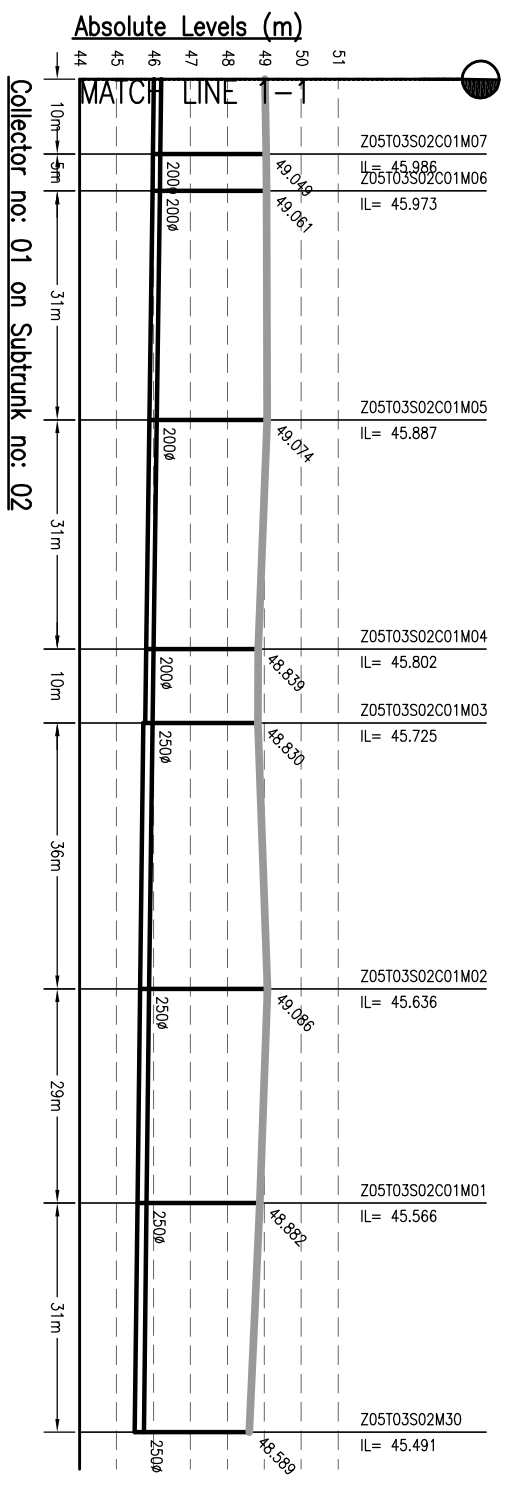
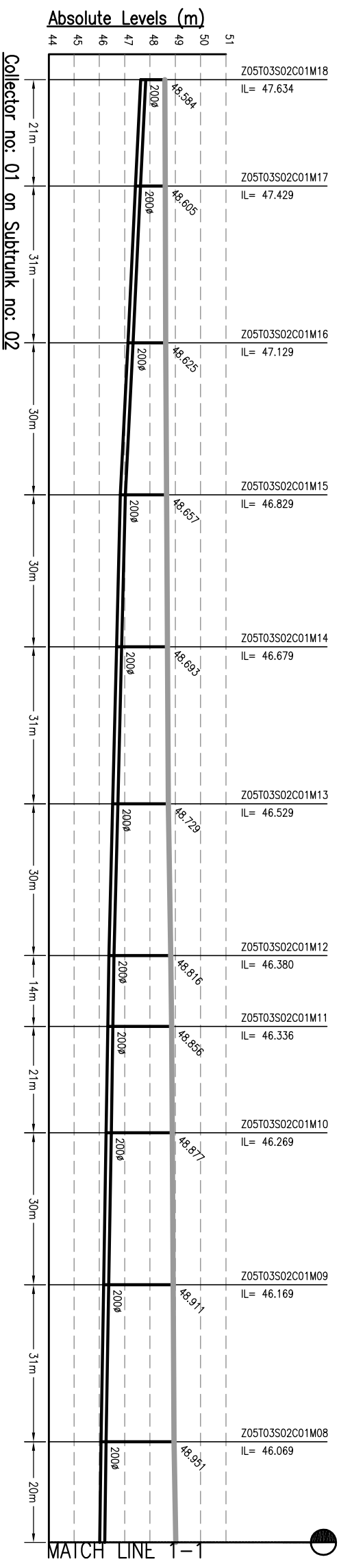
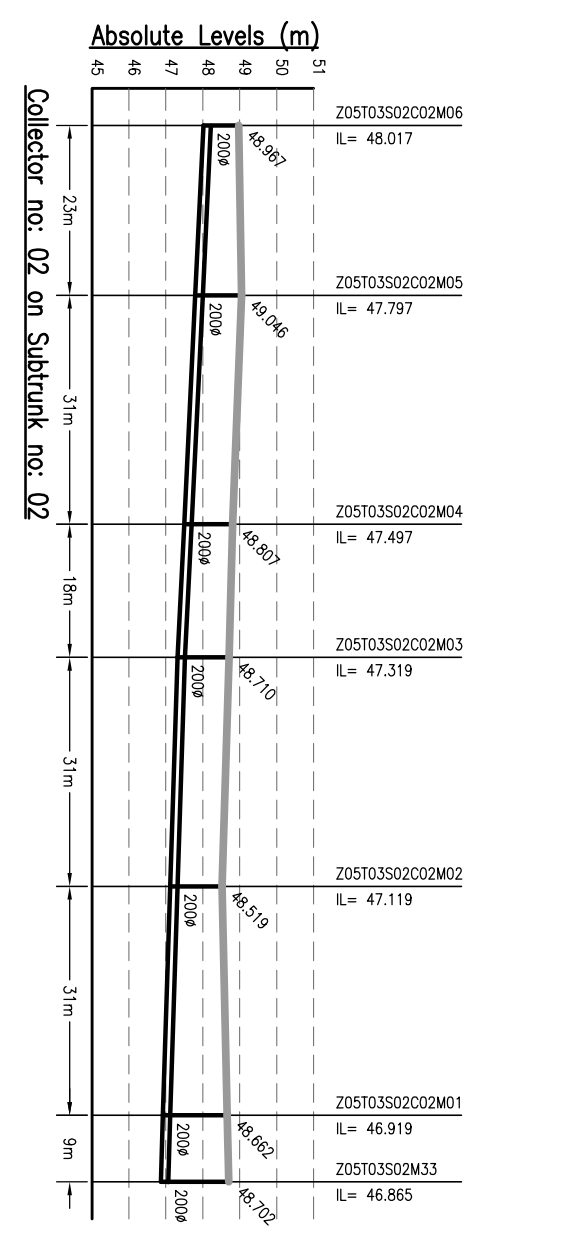
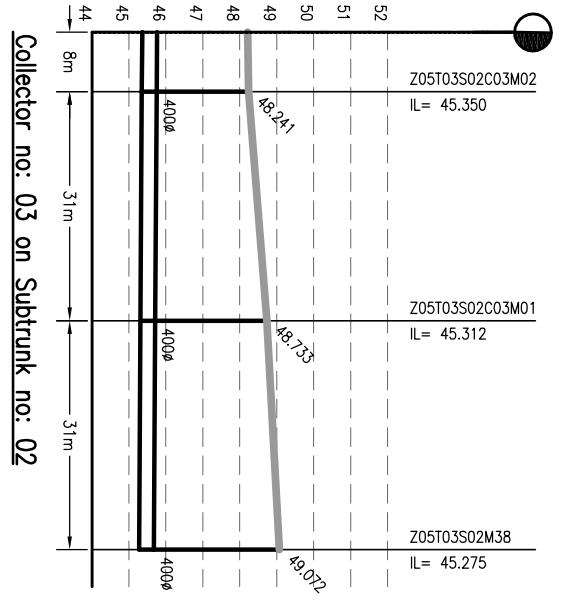
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 www.meinhardtgroup.com, Email:- [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 17 OF 18)

DISCIPLINE	DATE	BY	SCALE
DESIGNED	MAY 2013	AH	H-1000, V-200
CHECKED	MAY 2013	JR	
APPROVED	MAY 2013	CR	

**JOB NO. 1092.01**      **PH 1**      **DRAWING NO. Z5-11-C-17**      **REVISION 00**

MATCH LINE 1-3  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T3-C-17



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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-Z5-T3-C-17 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**CLIENT:-**  
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DEVELOPMENT CORPORATION

**PROJECT:-**  
PREPARATION OF DETAILED  
PROJECT REPORTS (DPRS) & BID  
DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA  
UNDER JNNURM

**CONSULTANT:-**  
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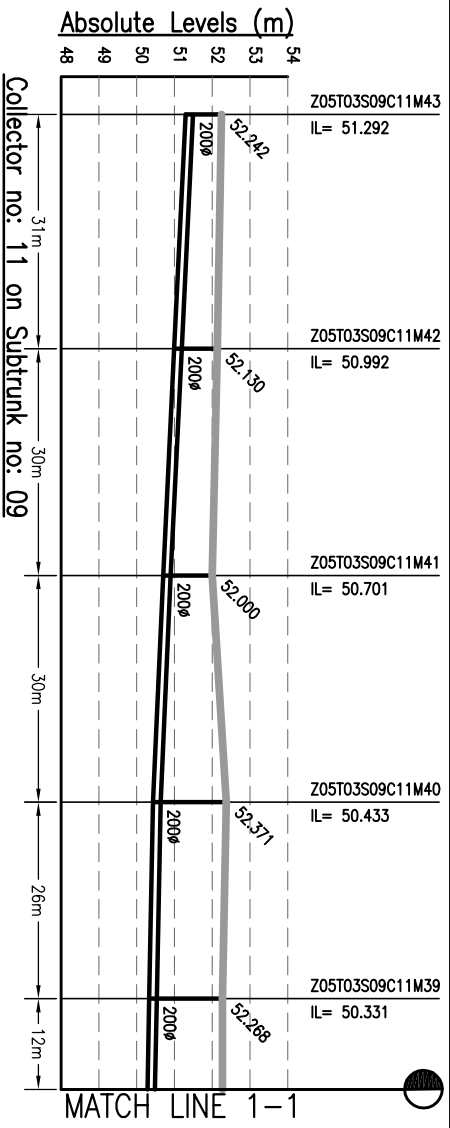
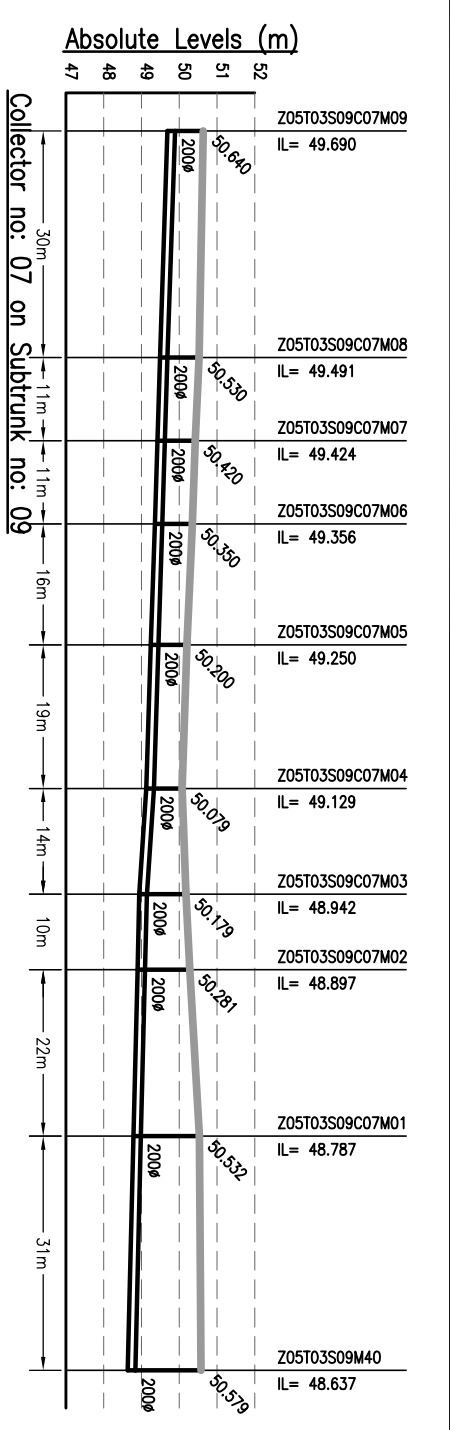
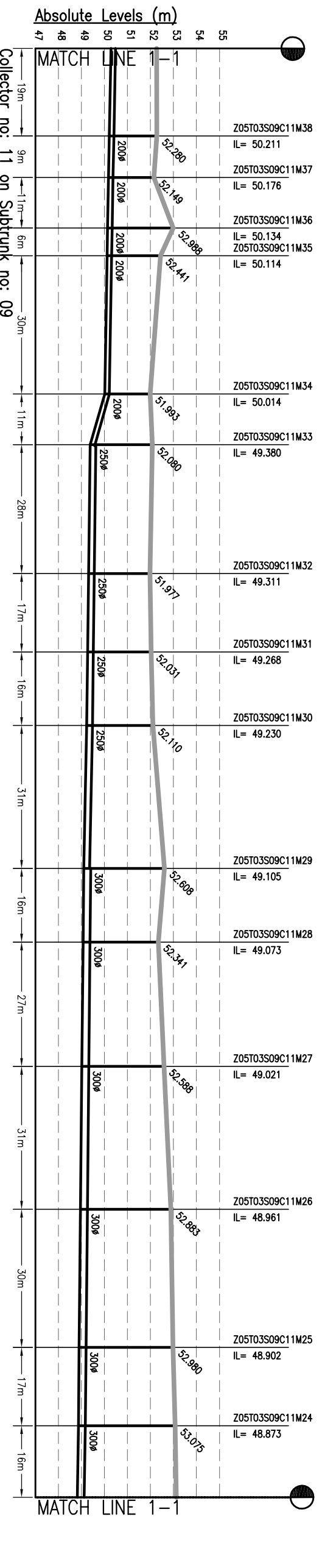
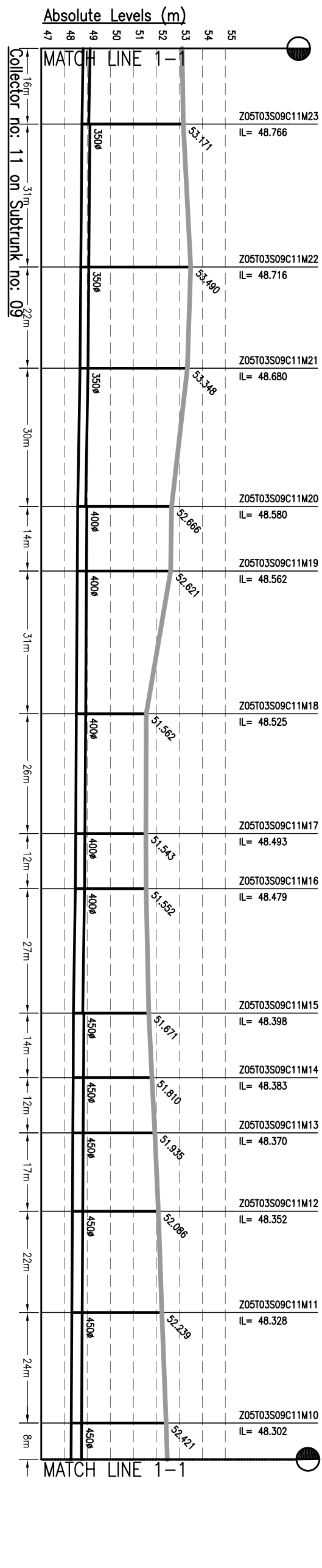
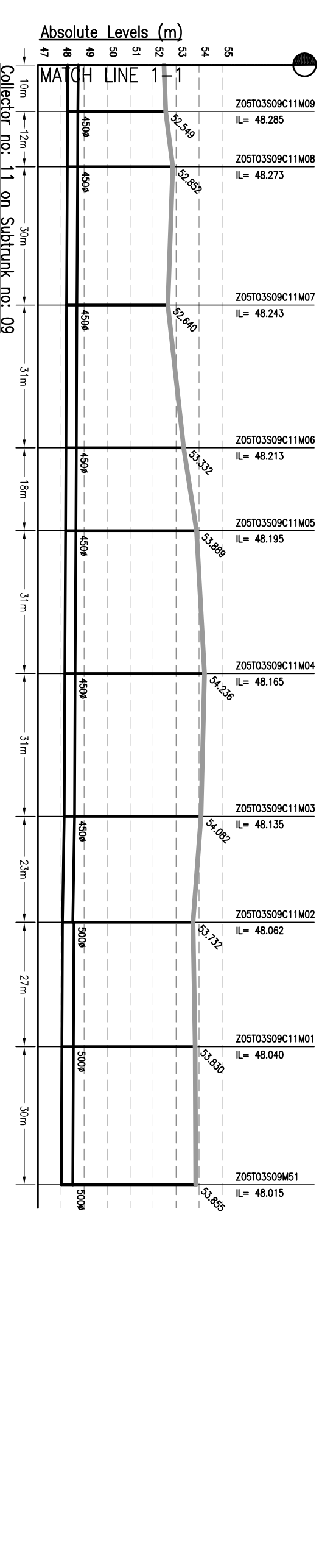
**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF COLLECTOR  
ZONE-5, TRUNK-3 (STP)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
PH	MAY 2013	H-1000, V-200

**REVISION**

NO.	DESCRIPTION	DATE
01	ISSUED FOR TENDERING	MAY 2013
02	ISSUED FOR CONSTRUCTION	MAY 2013





**CONSULTANT:-**  
**MEINHARDT**  
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 www.meinhardtindia.com Email: info@meinhardtindia.com

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-3 (AGAM KUAN)

**PURPOSE OF ISSUE**  
 DETAILED PROJECT REPORT  
 (SHEWAGE)  
 SCALE: H-1000, V-200  
 SHEET SIZE: A3

**DRAWN** BY: AH DATE OF FIRST ISSUE: SEPTEMBER 2013  
**DESIGNED** BY: JR DATE OF FIRST ISSUE: SEPTEMBER 2013  
**CHECKED** BY: RP DATE OF FIRST ISSUE: SEPTEMBER 2013  
**APPROVED** BY: CR DATE OF FIRST ISSUE: SEPTEMBER 2013

**JOB NO.** 1092.01 **DISCIPLINE** PH **DRAWING NO.** Z5-T3-C-19 **REVISION** 00

**CLIENT:-**  
 BIHAR  
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 303 Madhya Tower, 60/60/01  
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 Website: http://www.ubdc.co.in

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE  
 PROJECTS OF PATNA UNDER NGRBA

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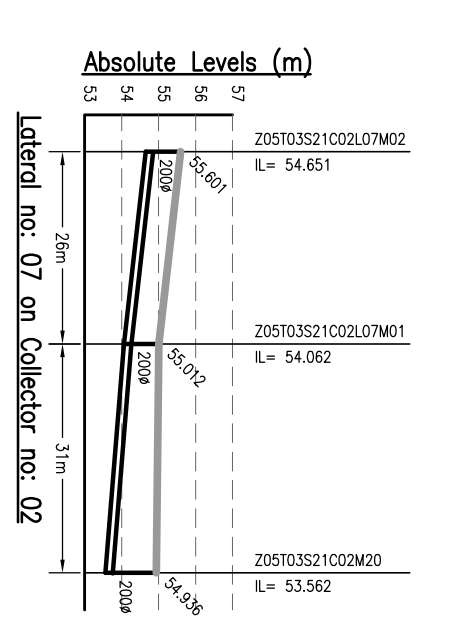
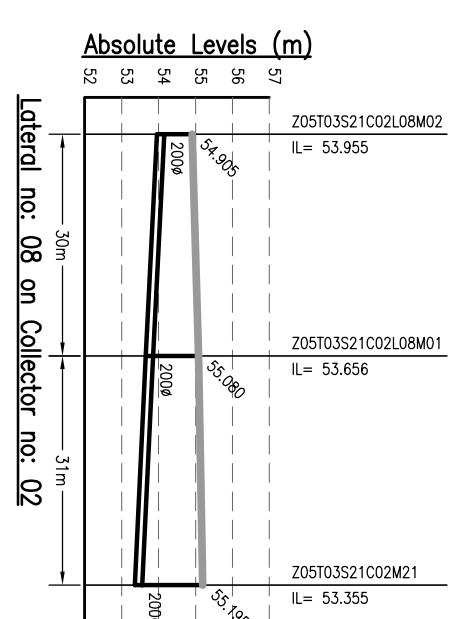
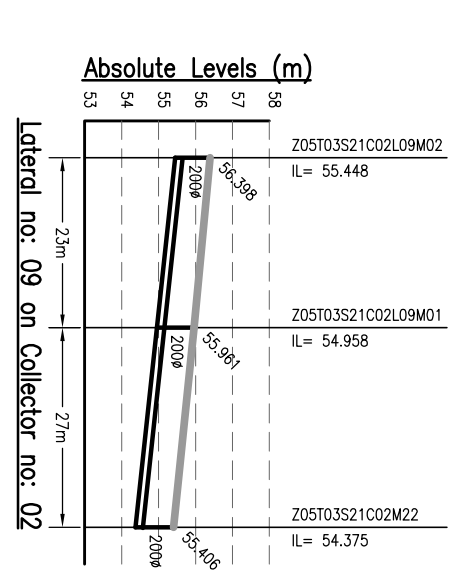
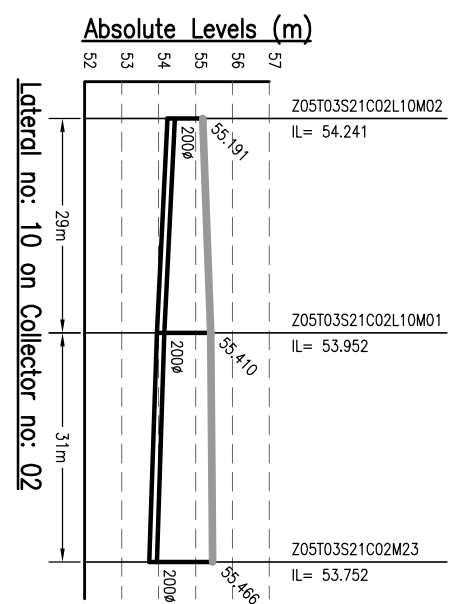
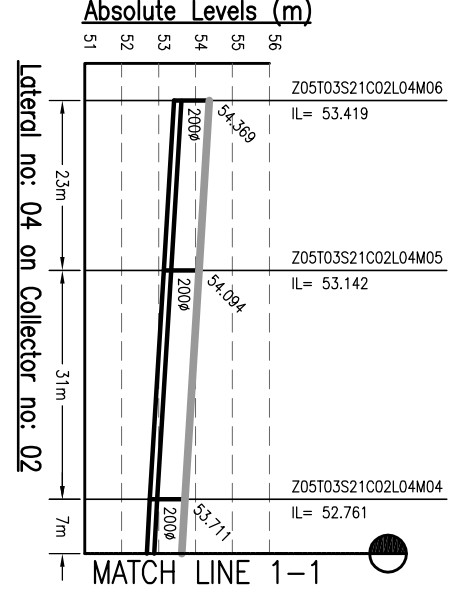
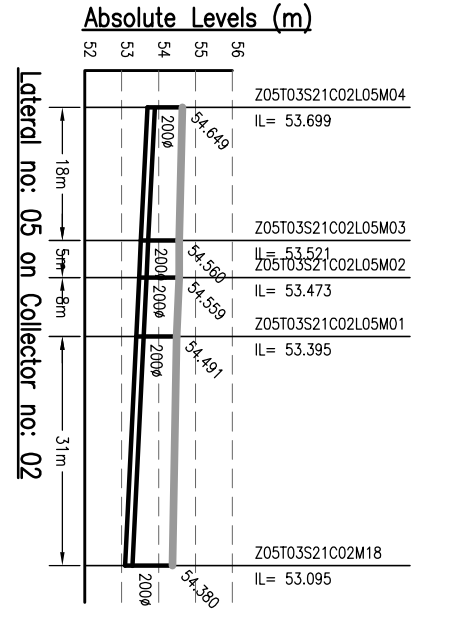
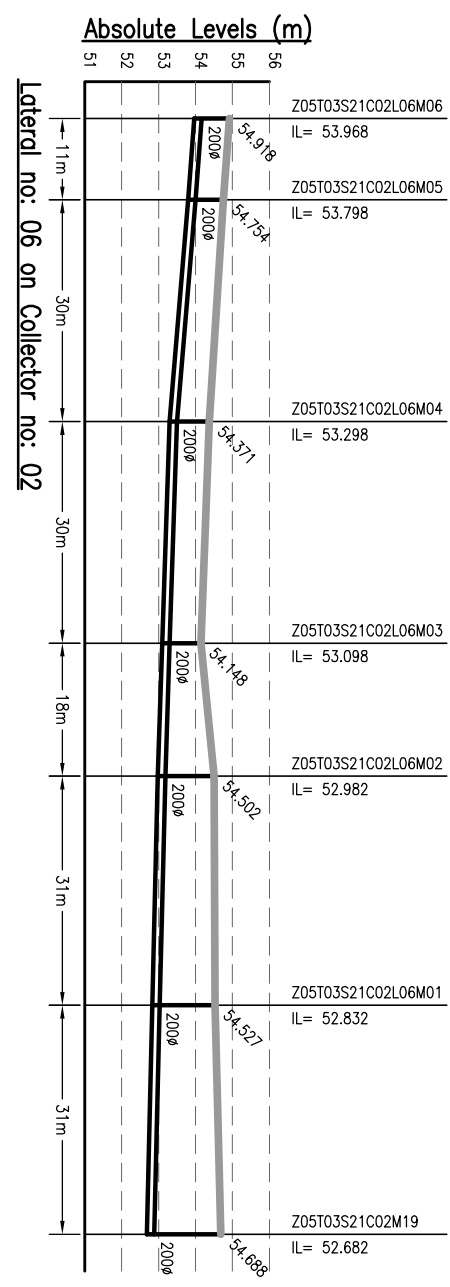
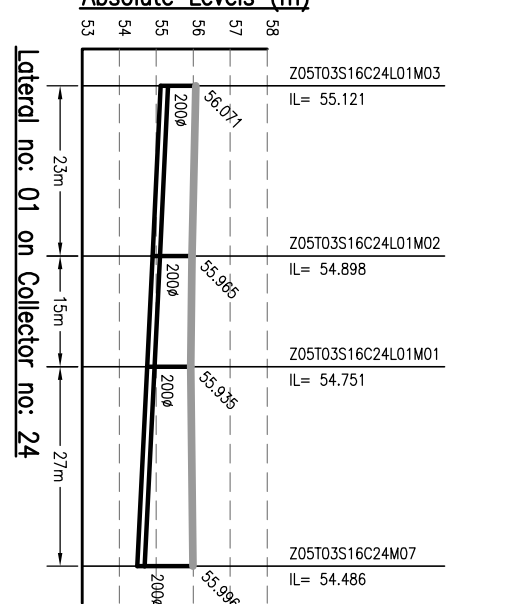
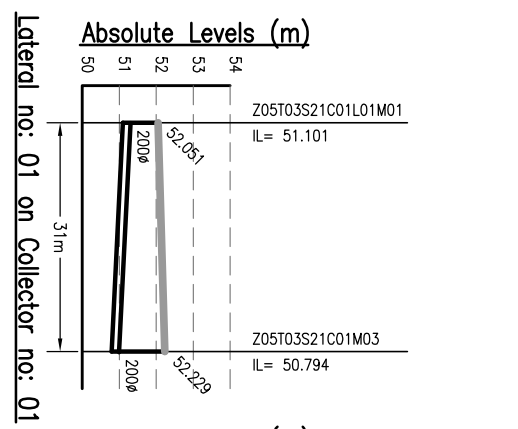
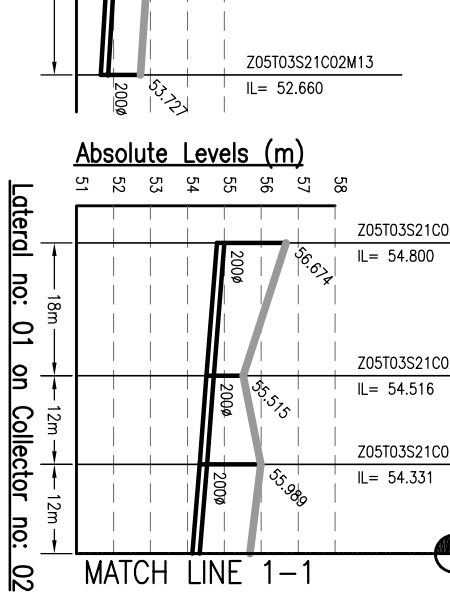
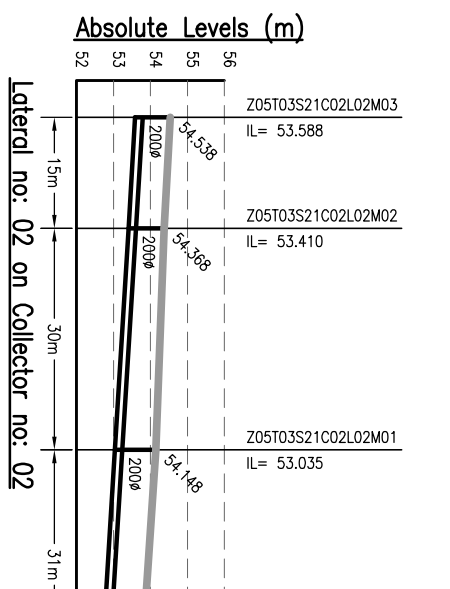
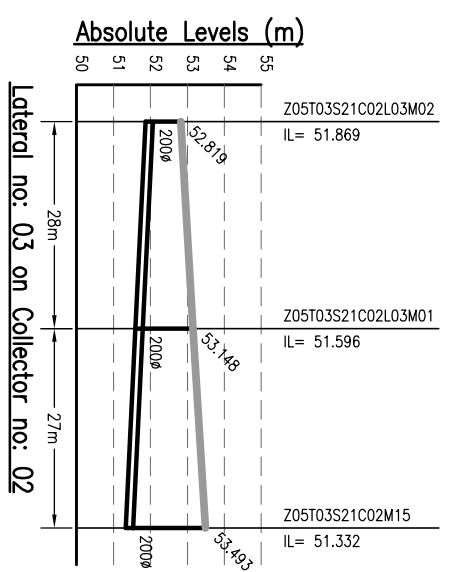
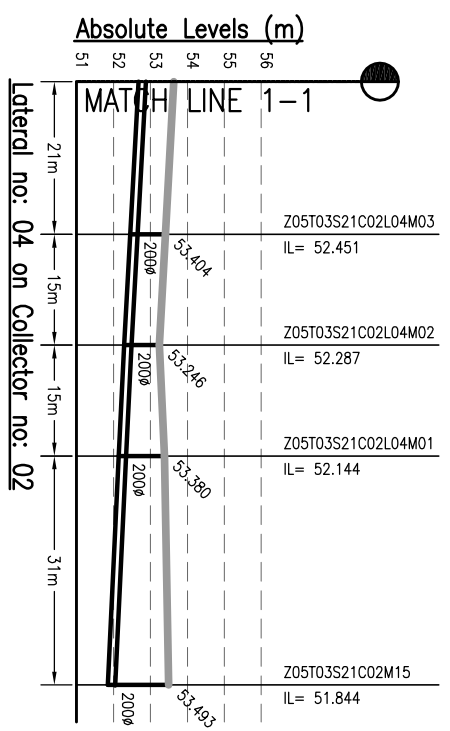
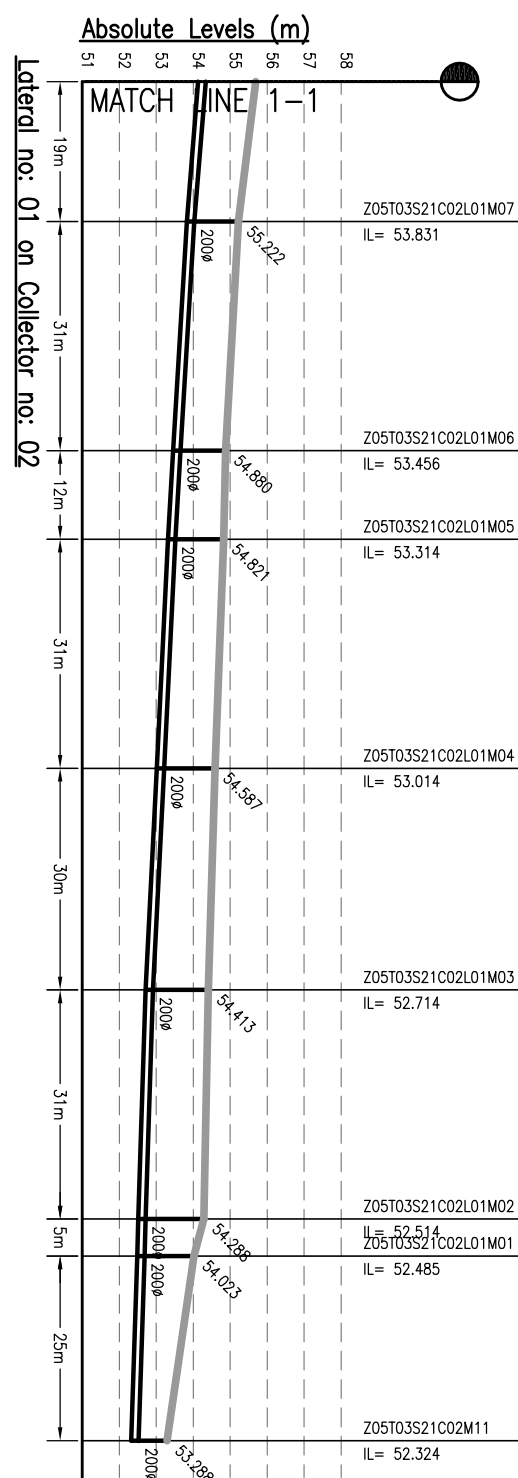
**AMENDMENTS**

REV	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

Drawing Base Reference:  
 PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.

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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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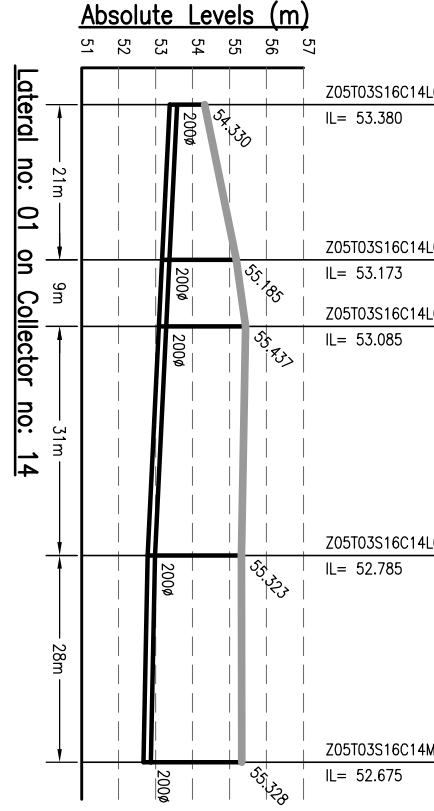
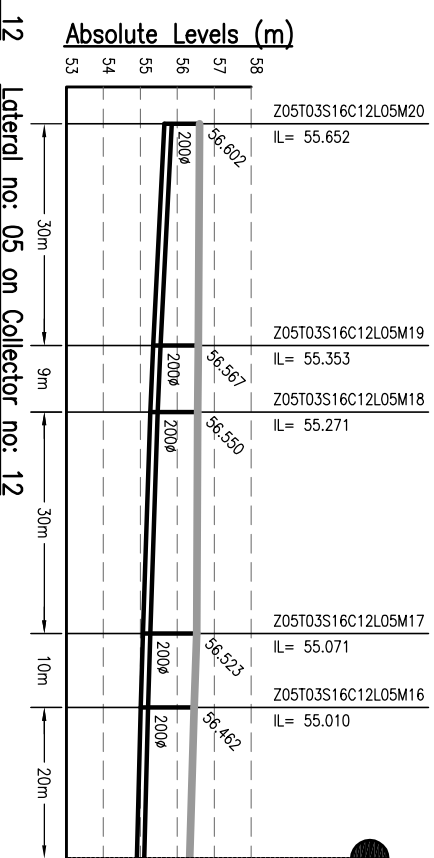
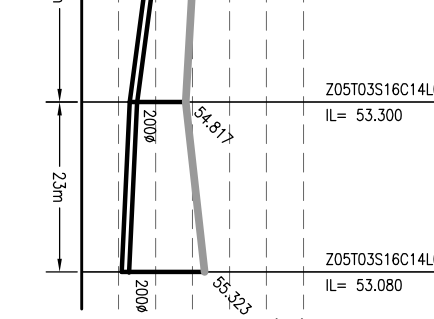
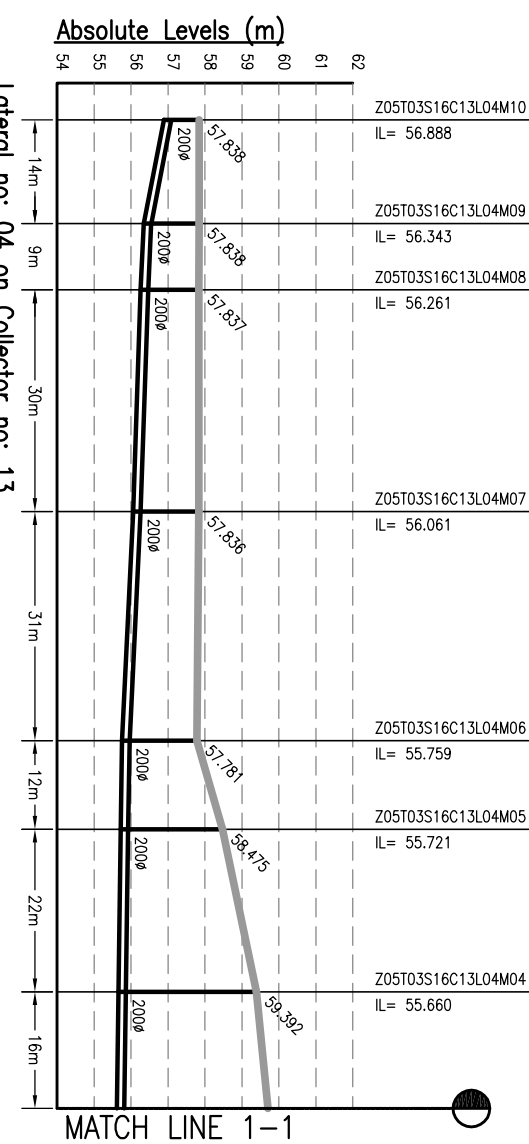
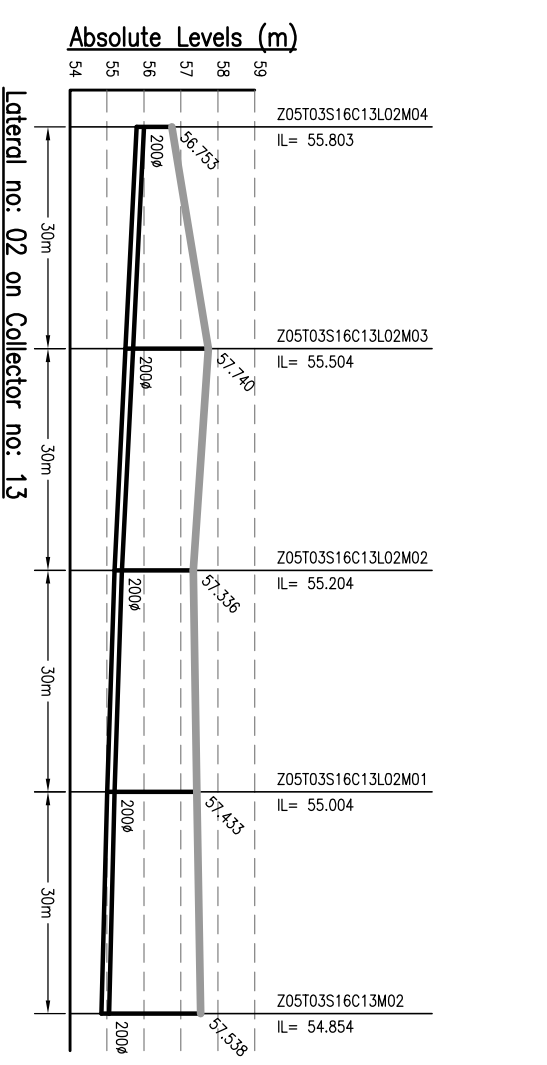
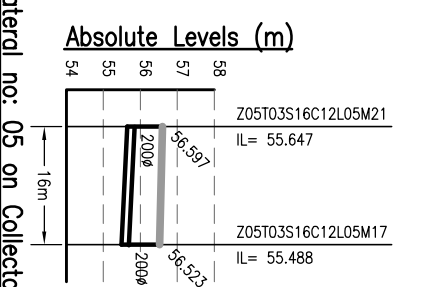
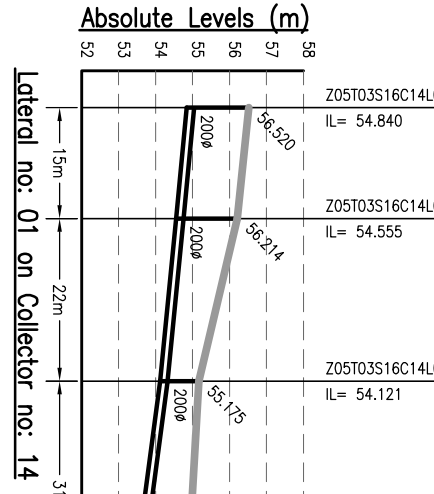
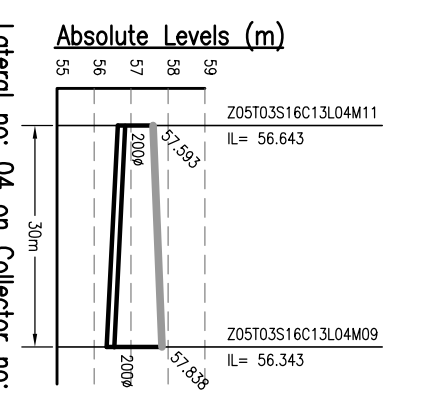
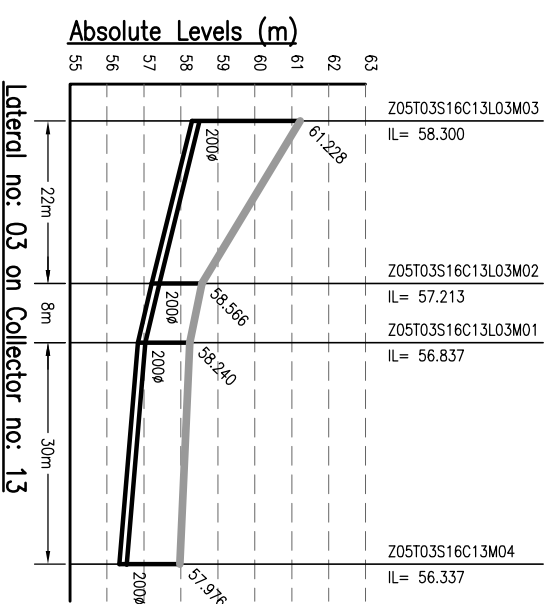
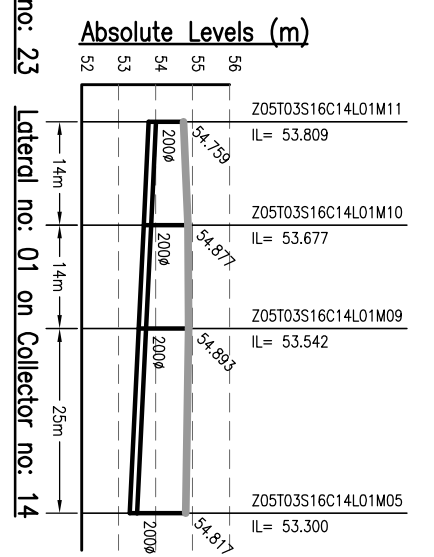
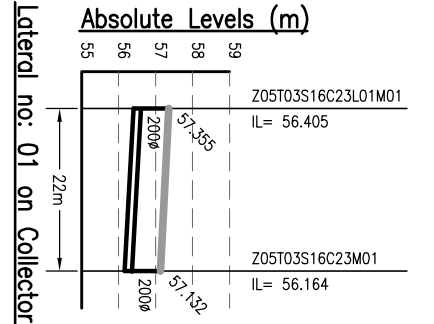
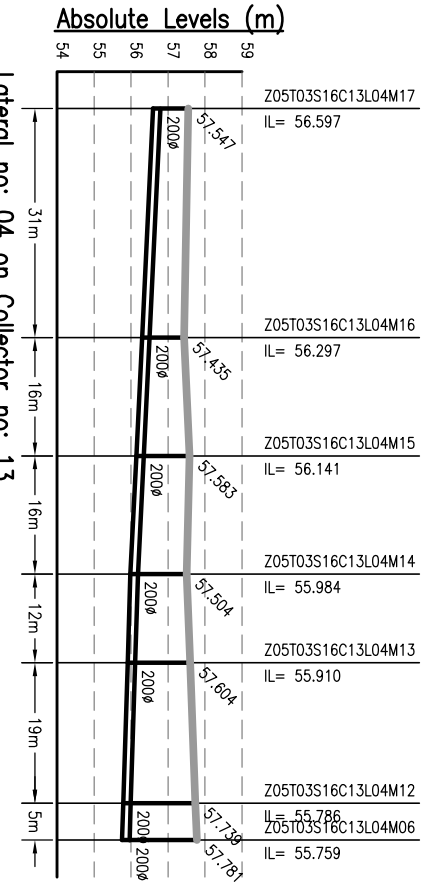
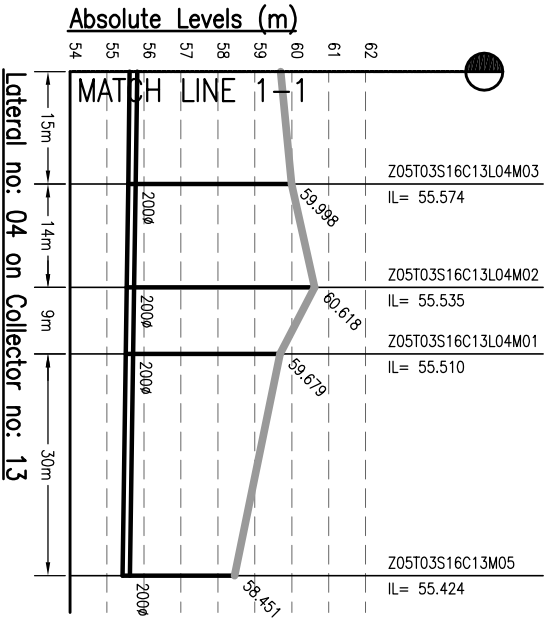
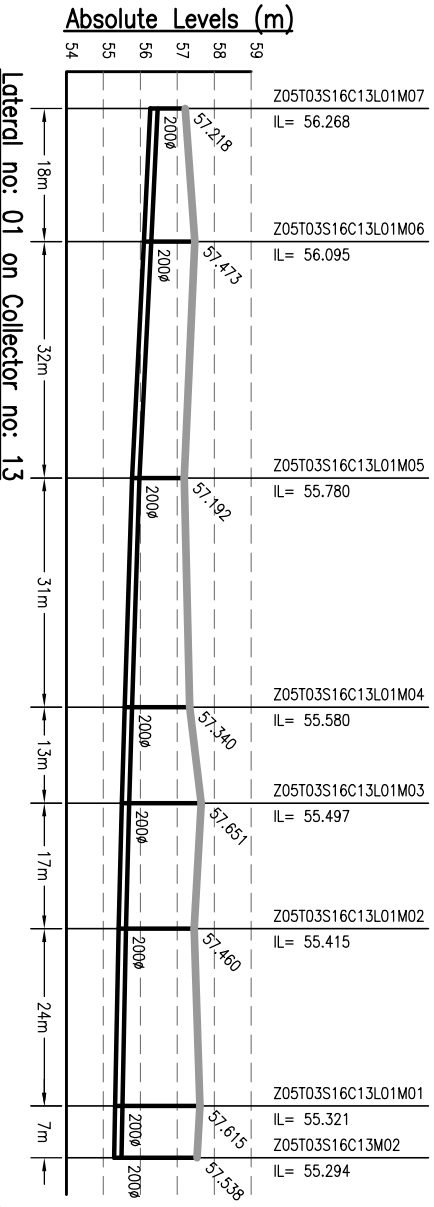
**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPR) & BID  
 DOCUMENTS:  
 TENDERING FOR EXECUTION,  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

CONSULTANT:-  
**MEINHARDT**  
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DRAWING TITLE  
**L-SECTION OF LATERAL  
 ZONE-5, TRUNK-3 (STP)**  
 (PART - 1 OF 21)

DESIGNED BY: AH  
 DRAWN BY: JR  
 CHECKED BY: RP  
 APPROVED BY: CRR  
 DATE OF FIRST ISSUE: MAY 2013  
 DATE OF THIS ISSUE: MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-01	00



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T3-L-03

MATCH LINE 1-1

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PROJECT:-  
PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

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DRAWING TITLE  
SEWERAGE  
L-SECTION OF LATERAL  
ZONE-5, TRUNK-3 (STP)

DATE OF FIRST ISSUE  
MAY 2013

DATE OF THIS ISSUE  
MAY 2013

SCALE: H-1000, V-200

DRAWN BY: AH  
DESIGNED BY: JR  
CHECKED BY: RP  
APPROVED BY: CRR

JOB NO. 1092.01  
DISCIPLINE PH  
DRAWING NO. Z5-T3-L-02  
REVISION 00

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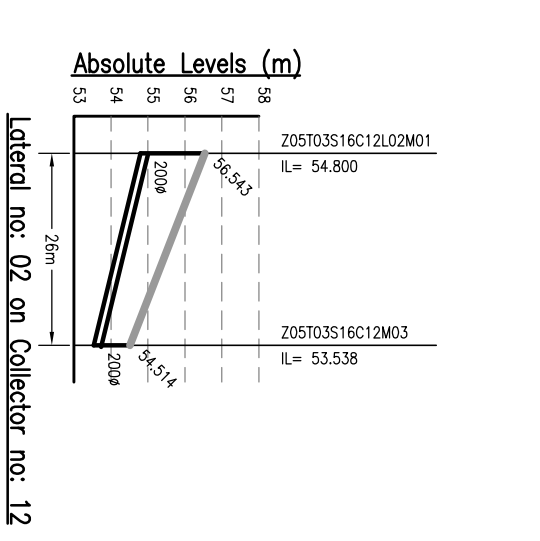
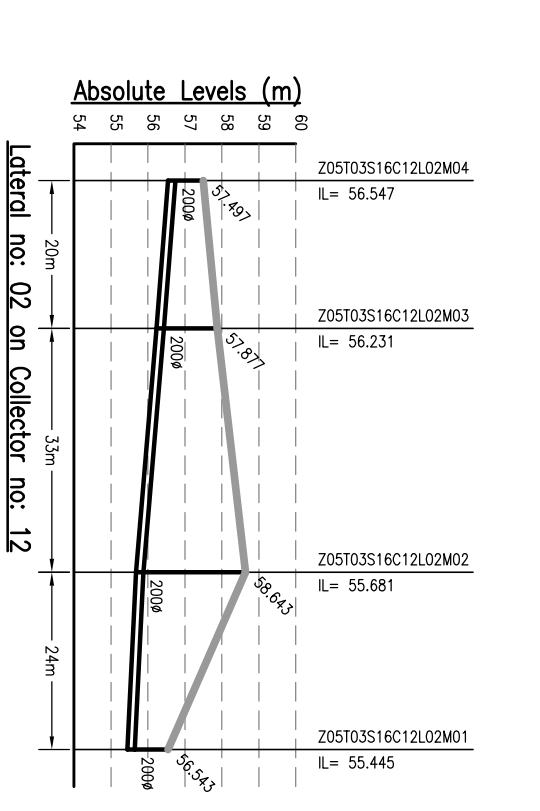
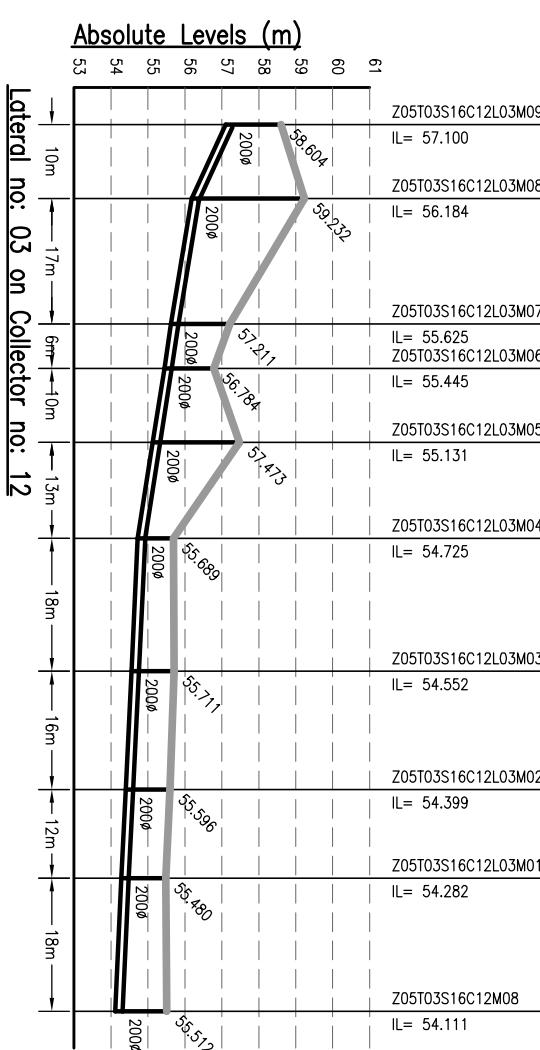
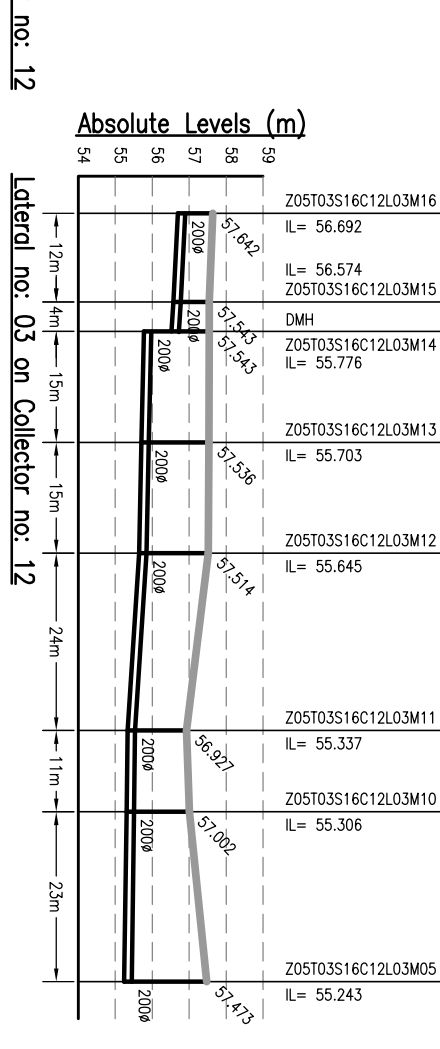
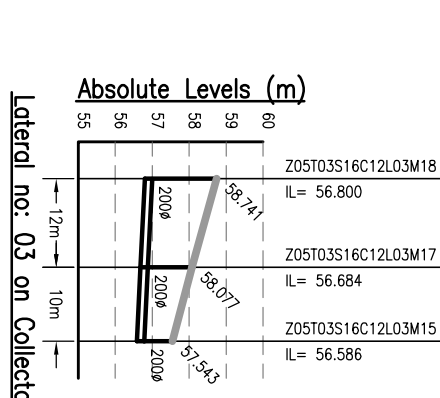
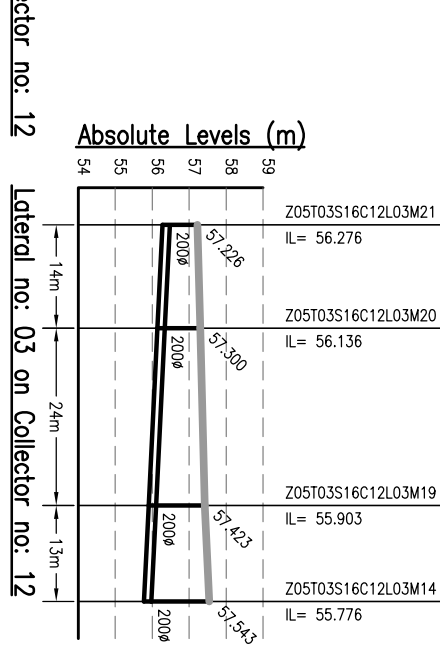
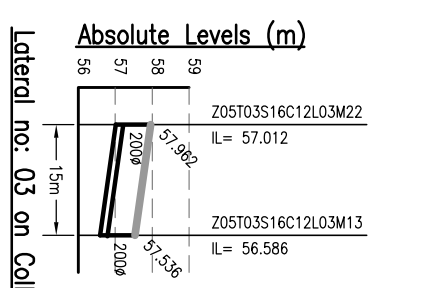
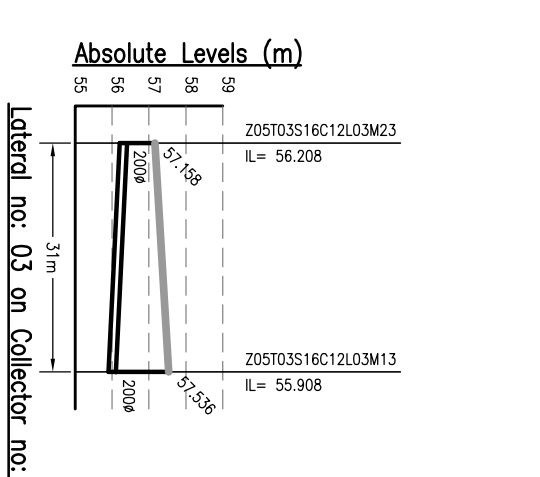
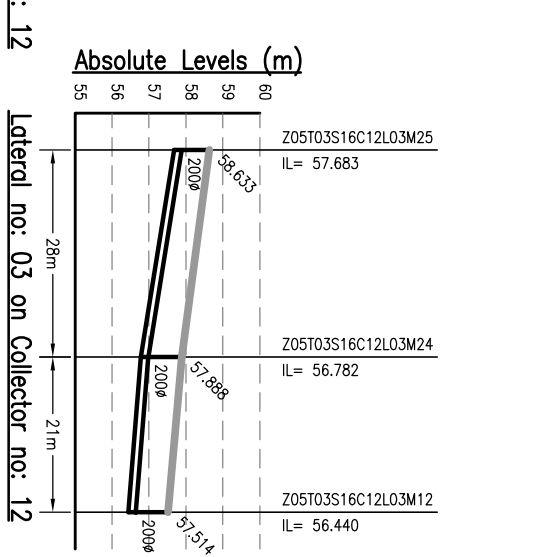
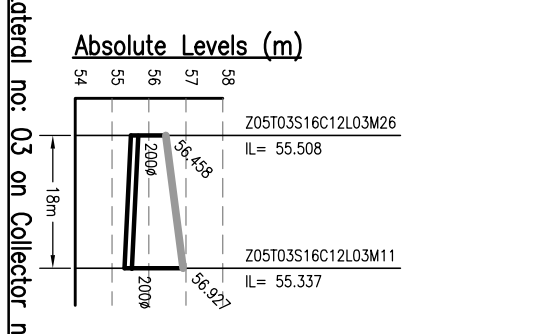
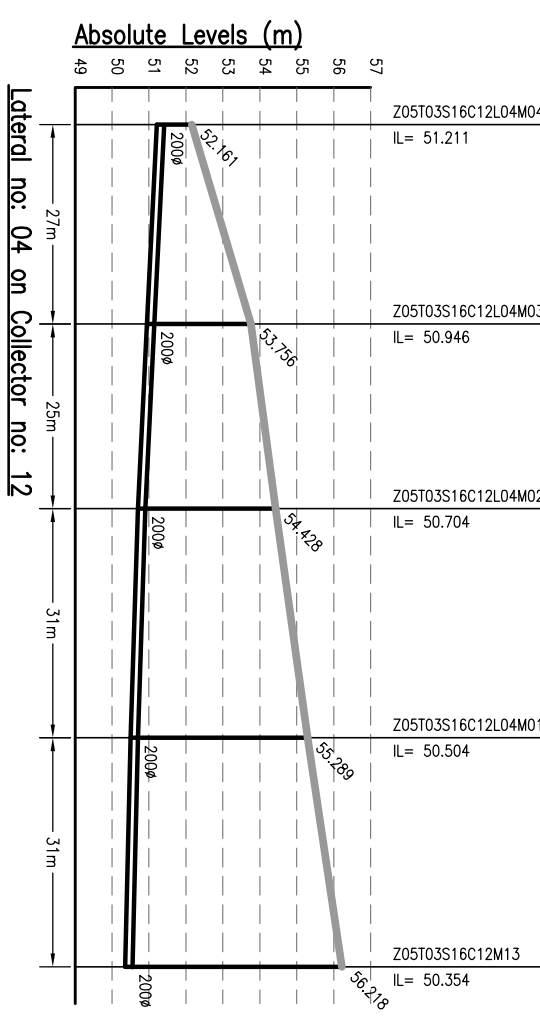
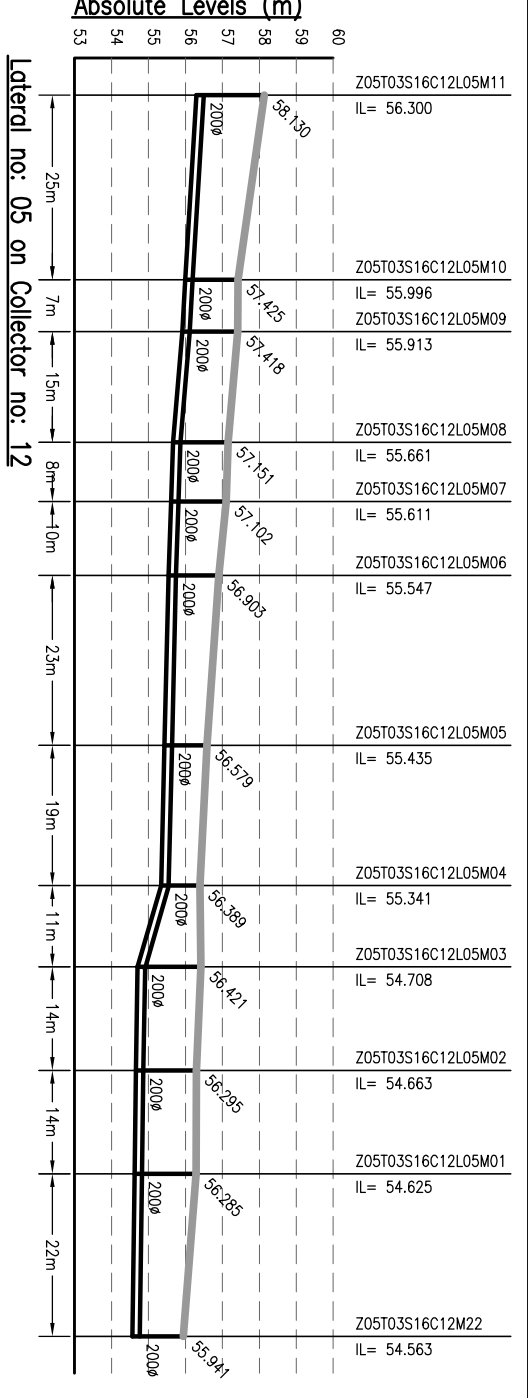
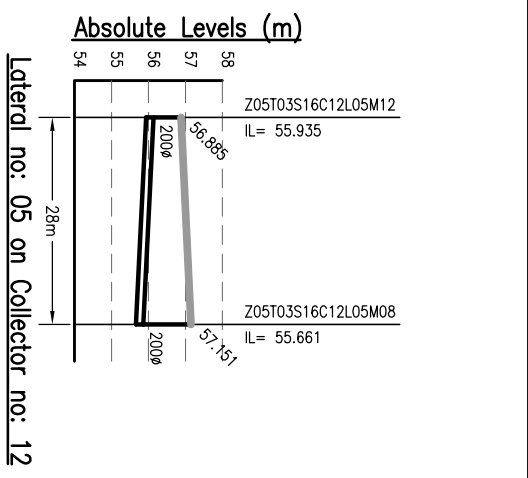
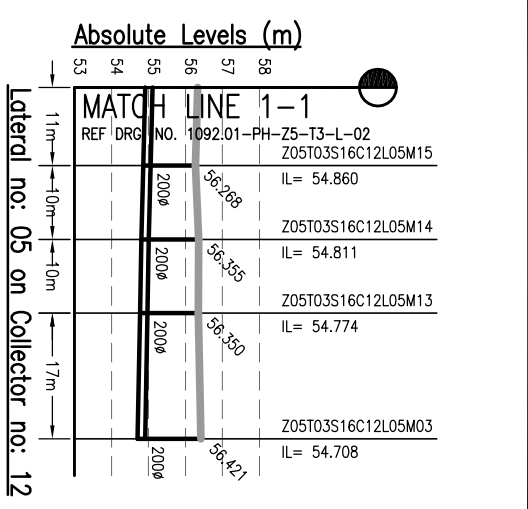
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Drawing Base Reference:-  
PWC WORK ORDER 3499, DATED 15 DECEMBER 2009.

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY 13	AH	DRAFT DPR SUBMISSION	RP

AMENDMENTS





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**PHC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;**

TENDERING FOR EXECUTION:  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

CONSULTANT:-  
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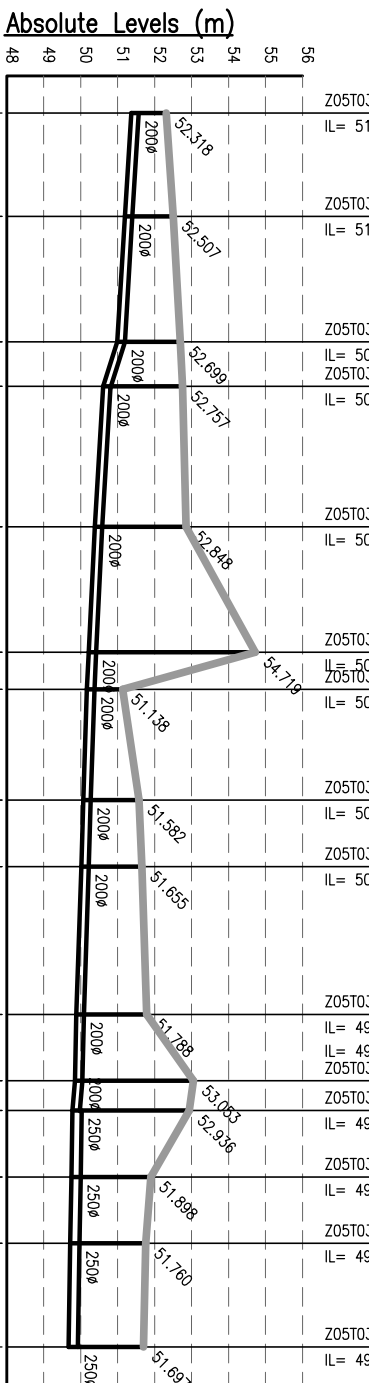
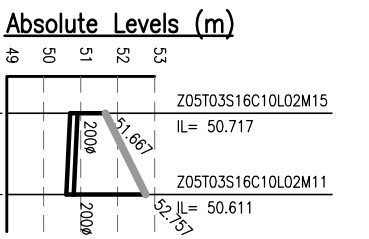
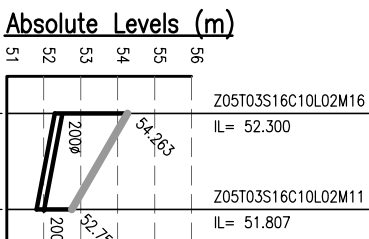
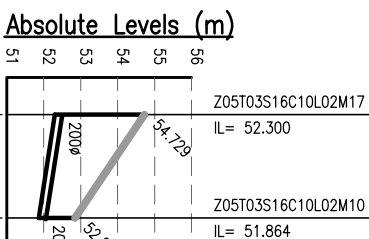
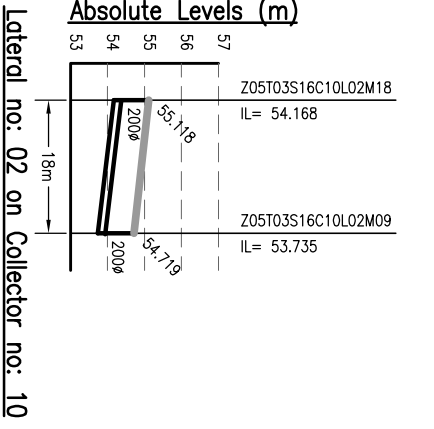
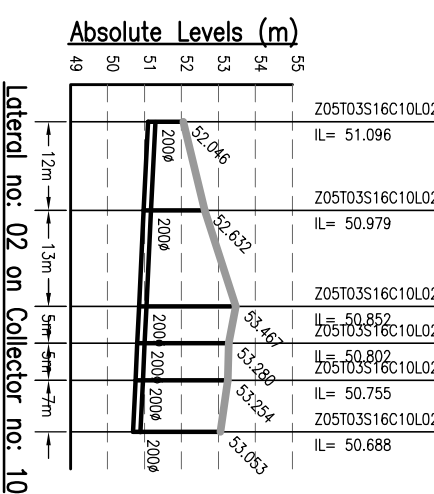
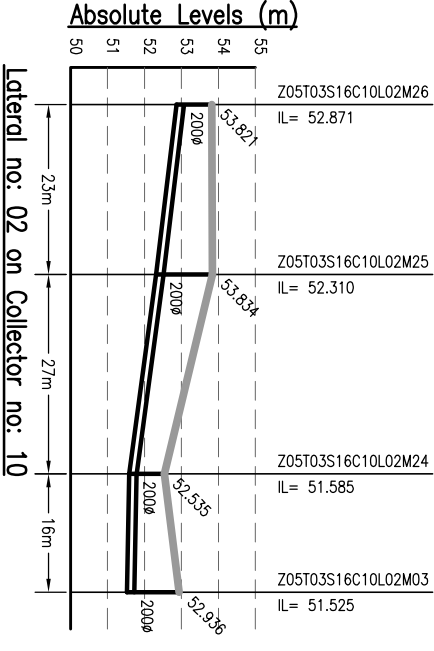
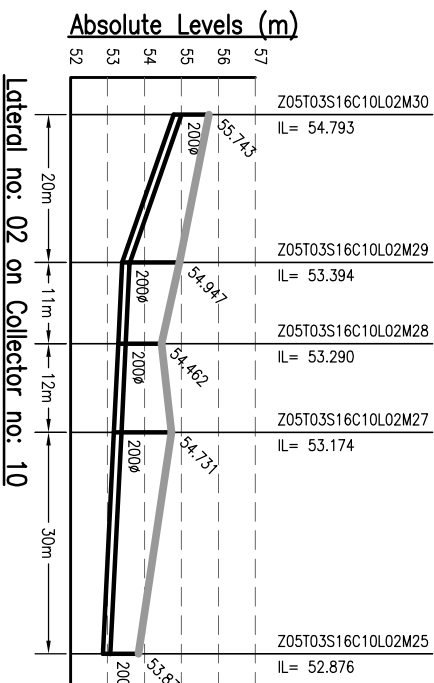
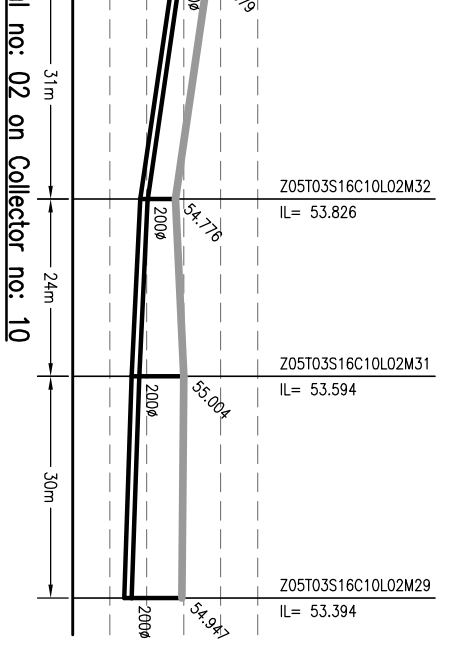
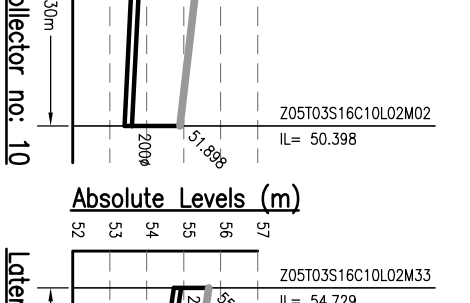
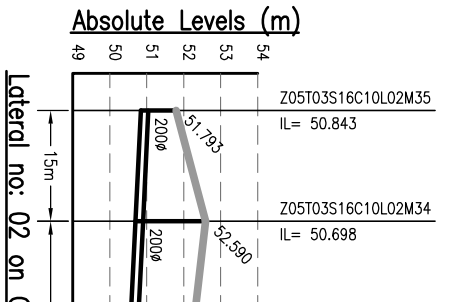
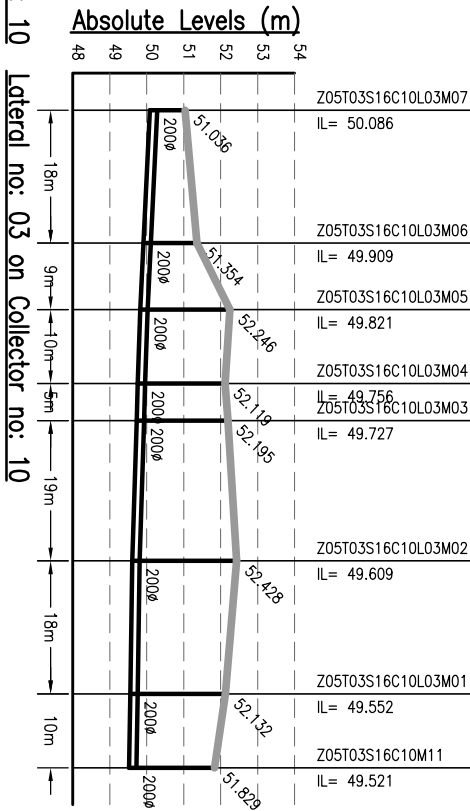
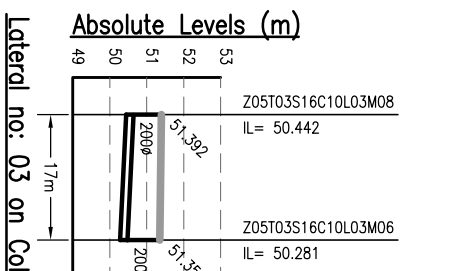
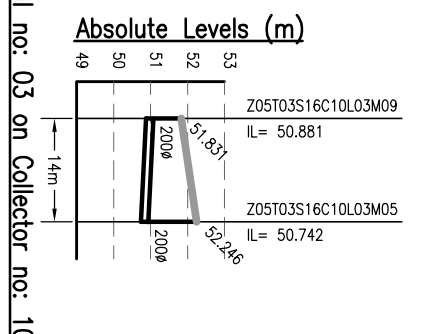
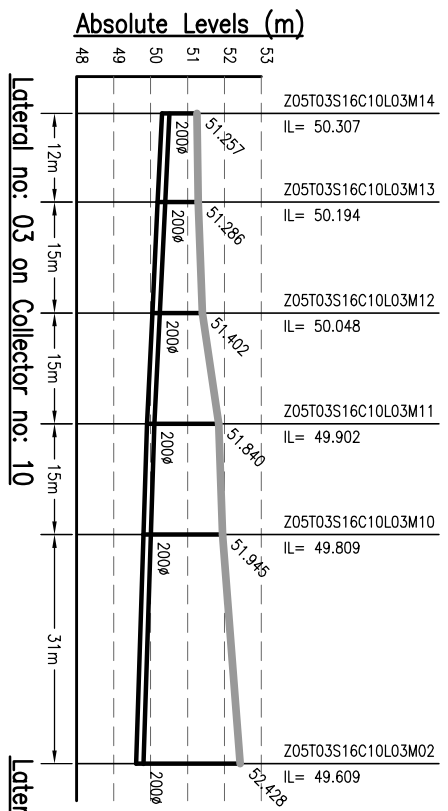
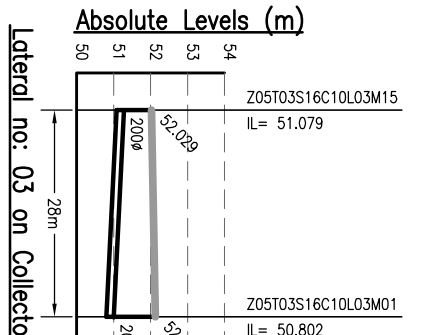
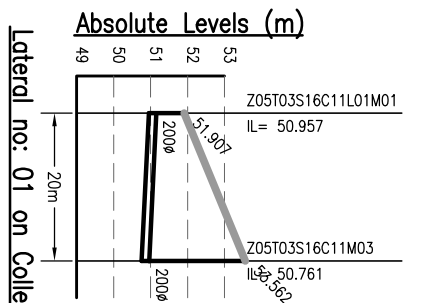
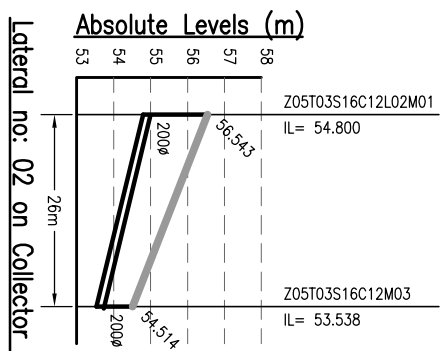
DRAWING TITLE  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 3 OF 21)

DESIGNED BY	DATE OF FIRST ISSUE
AH	MAY 2013
JR	MAY 2013
RP	MAY 2013

APPROVED	DATE
CRR	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-03	00





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Drawing Base Reference:-  
**PWC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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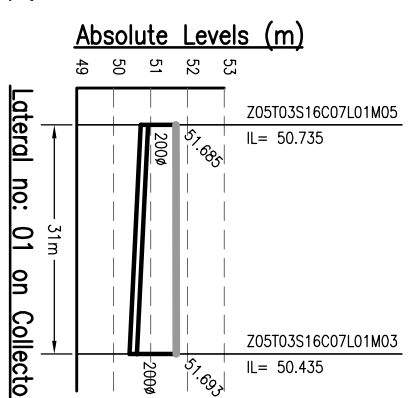
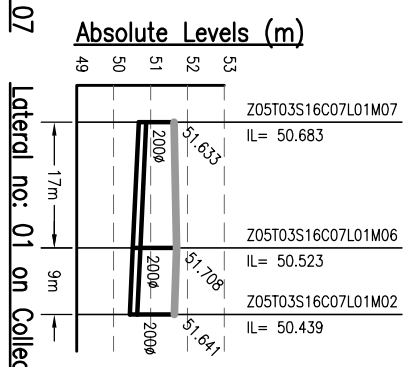
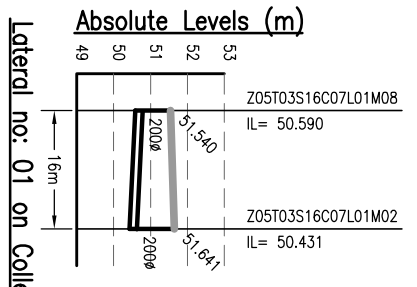
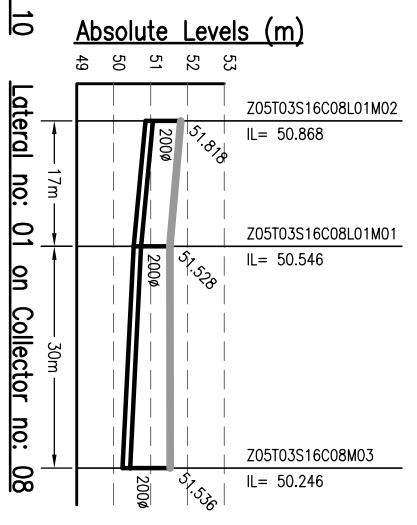
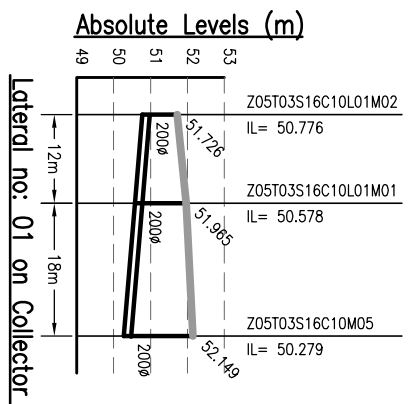
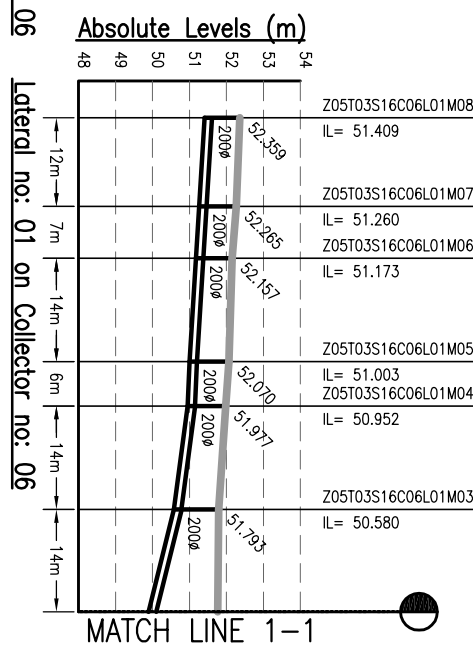
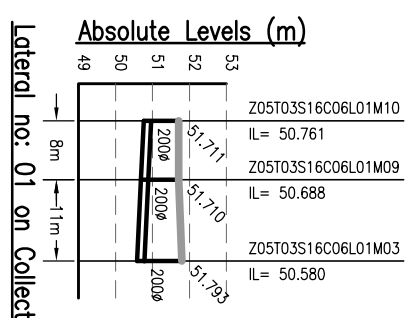
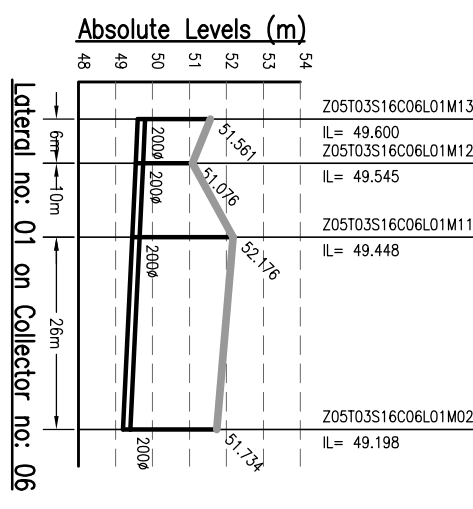
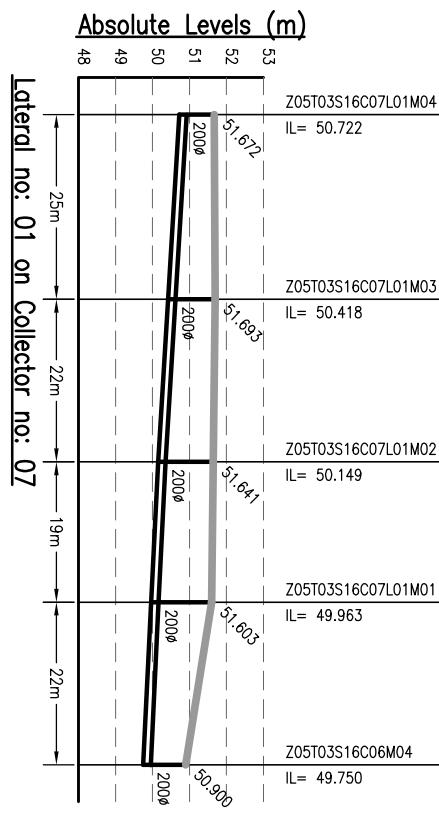
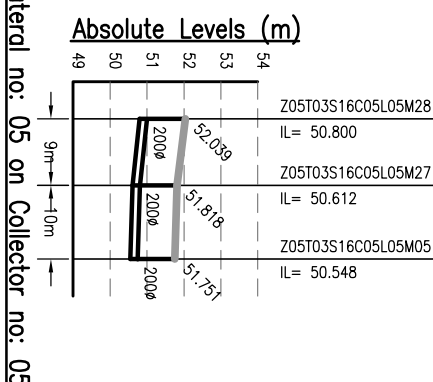
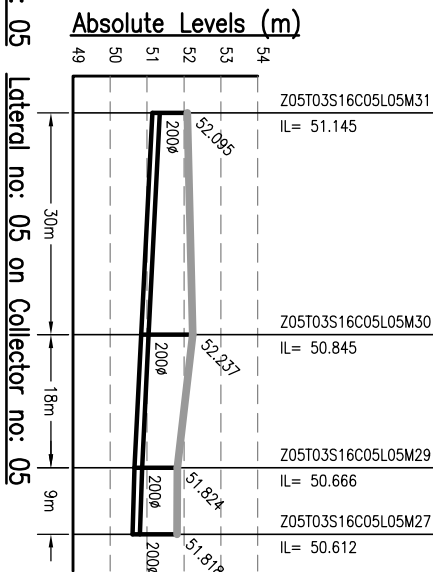
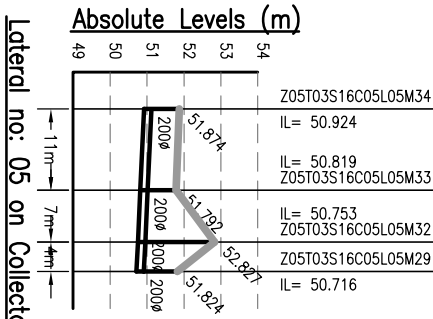
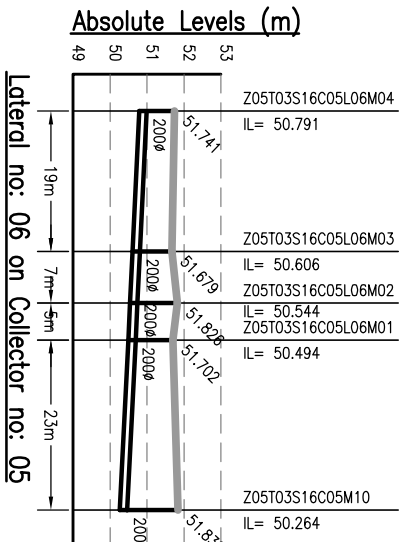
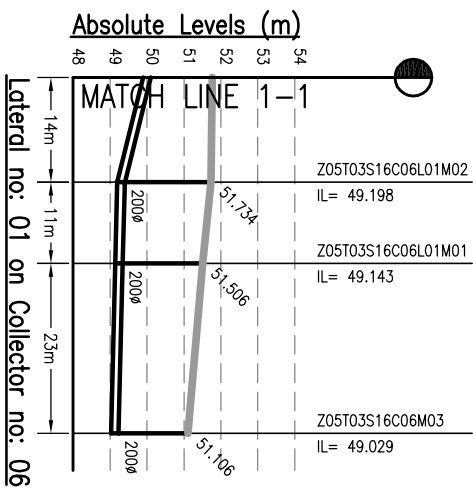
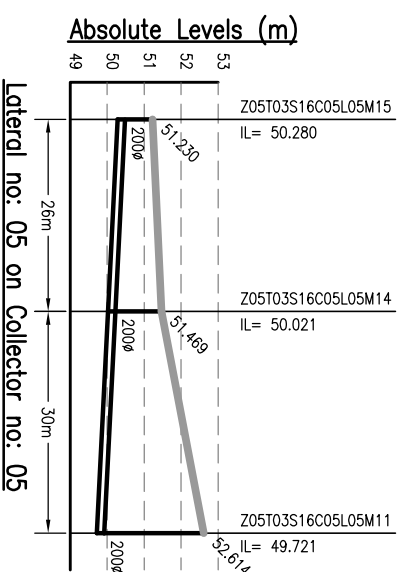
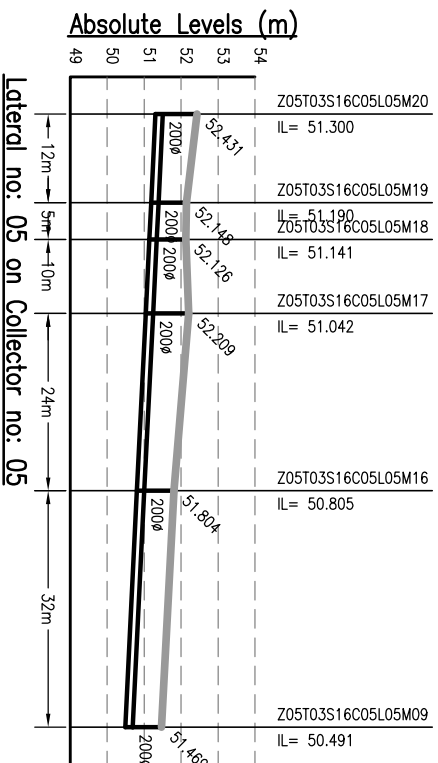
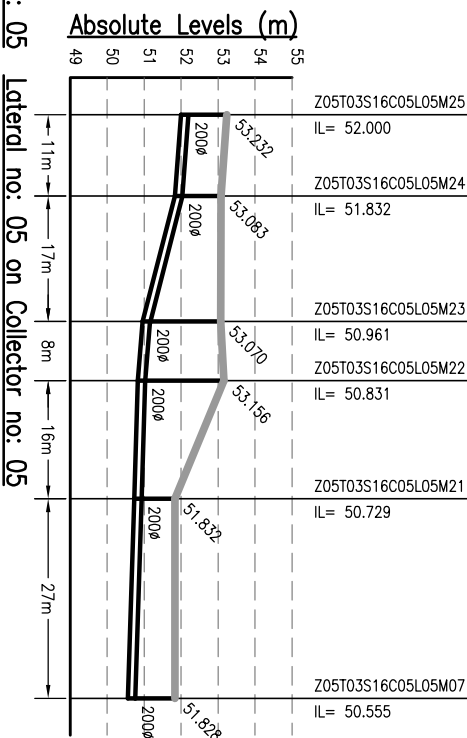
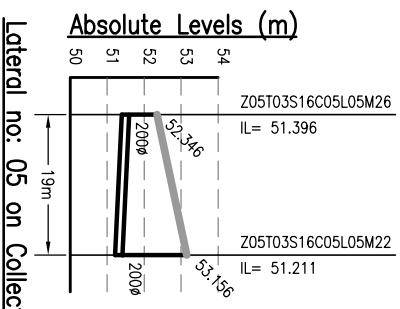
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**BIHAR**  
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 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
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**DRAWING TITLE**  
 SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP) (PART - 4 OF 21)

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-04	00



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Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:**  
**TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-3 (STP)

**SCALE** :- H-1000, V-200

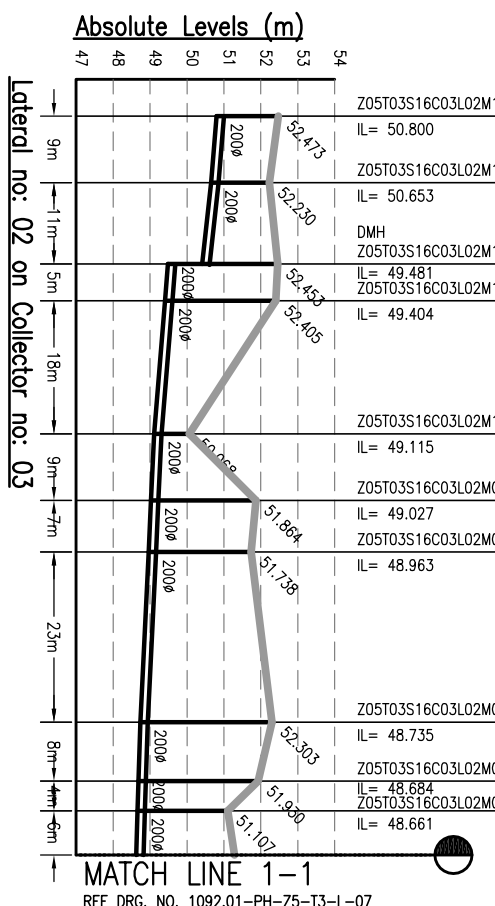
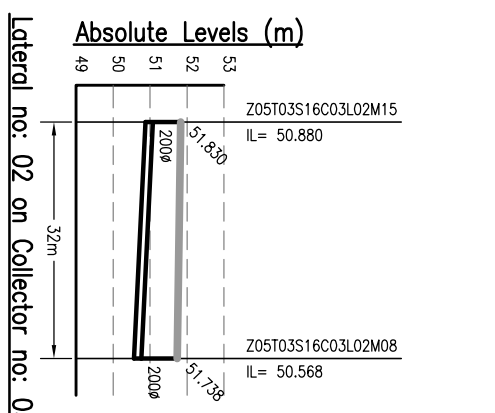
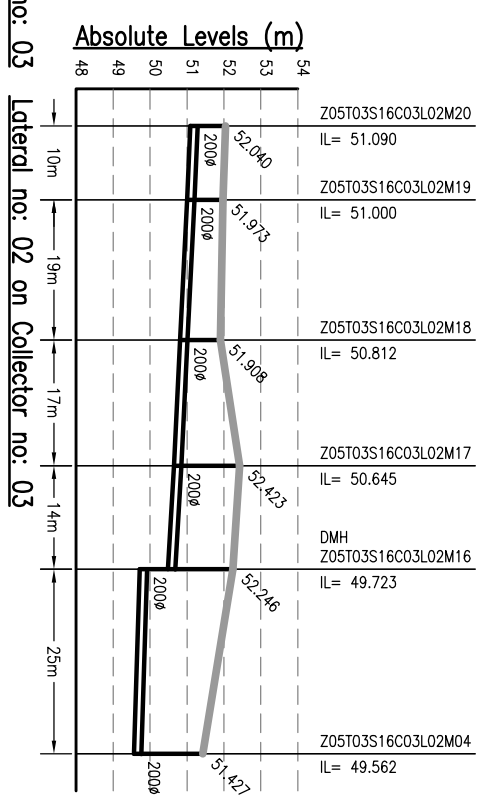
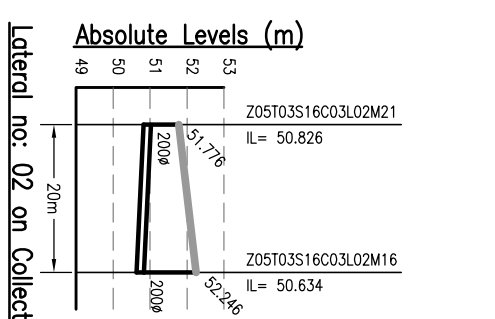
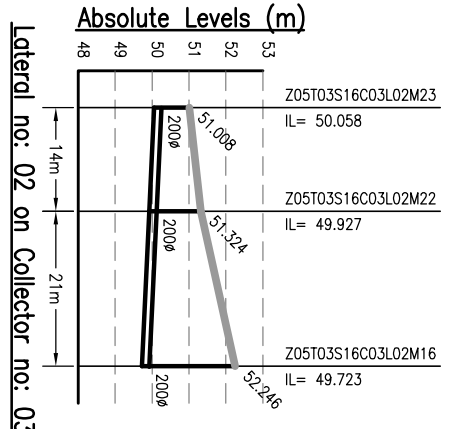
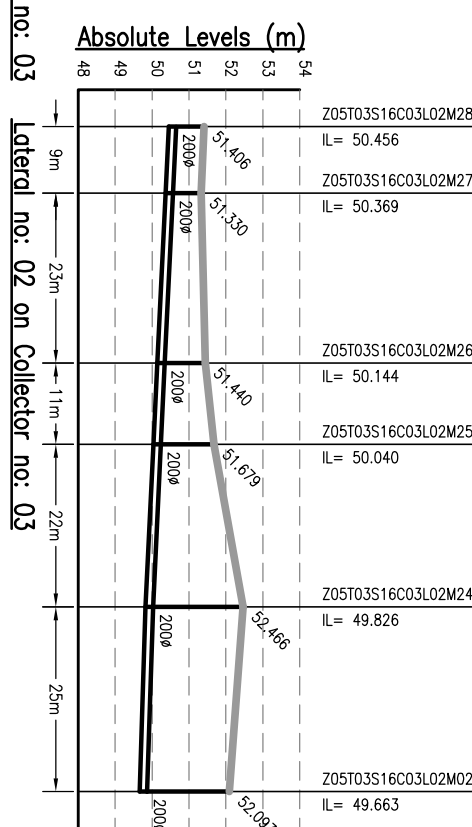
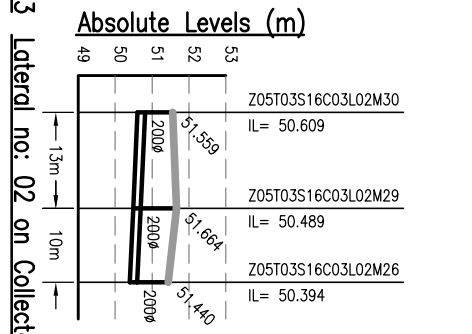
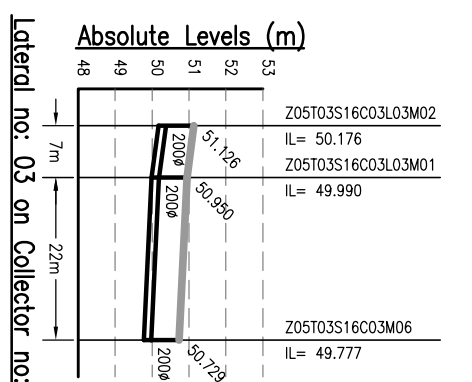
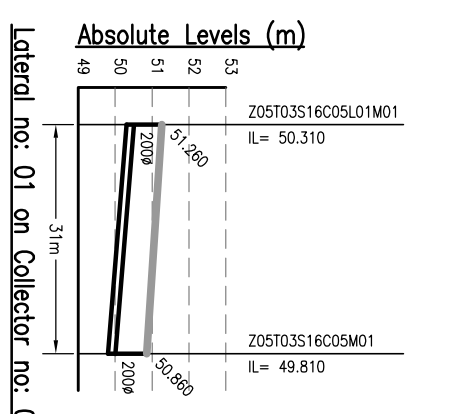
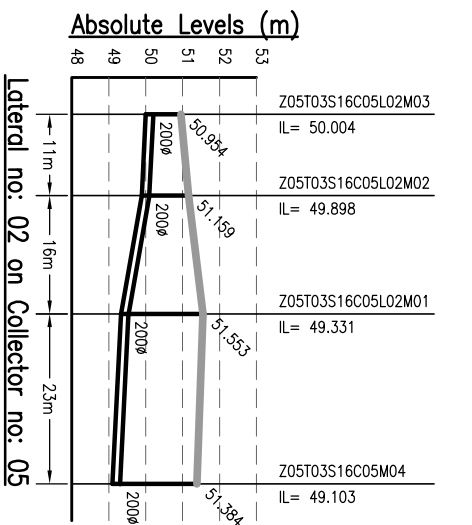
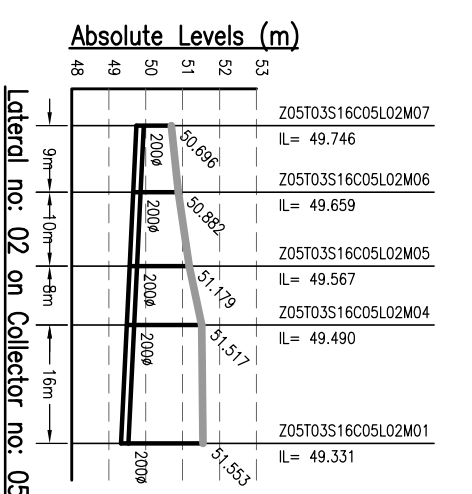
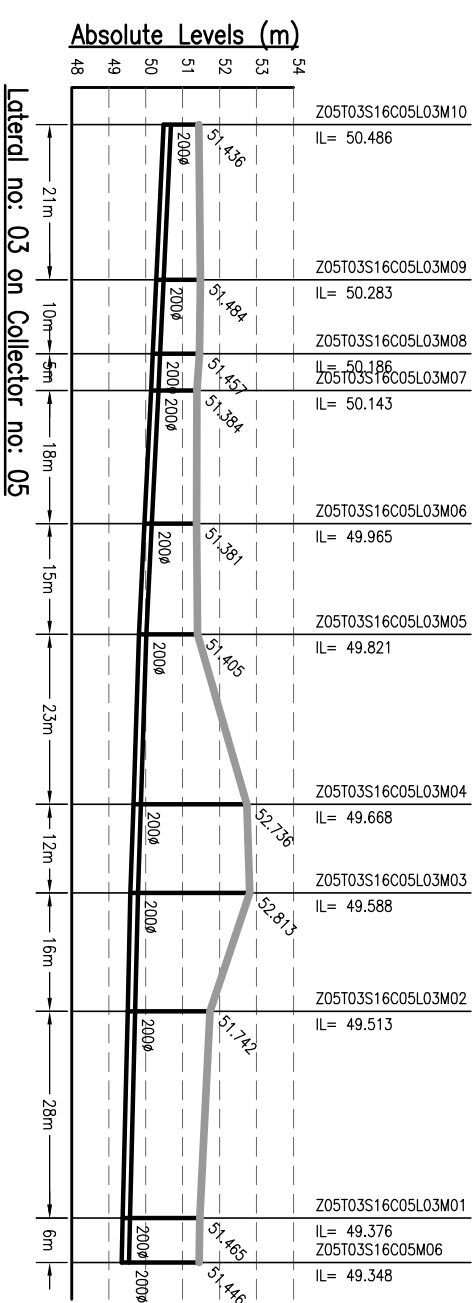
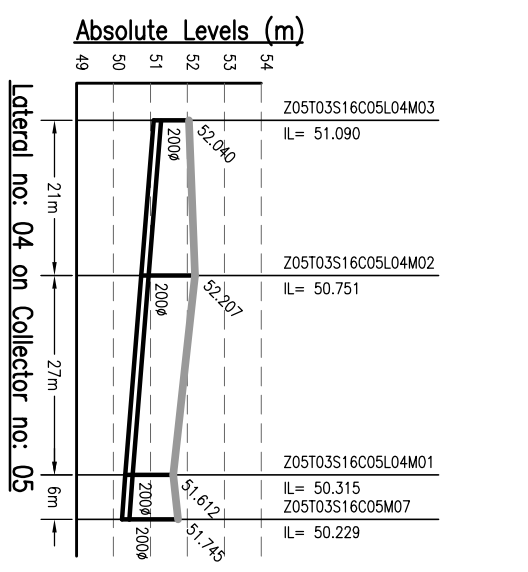
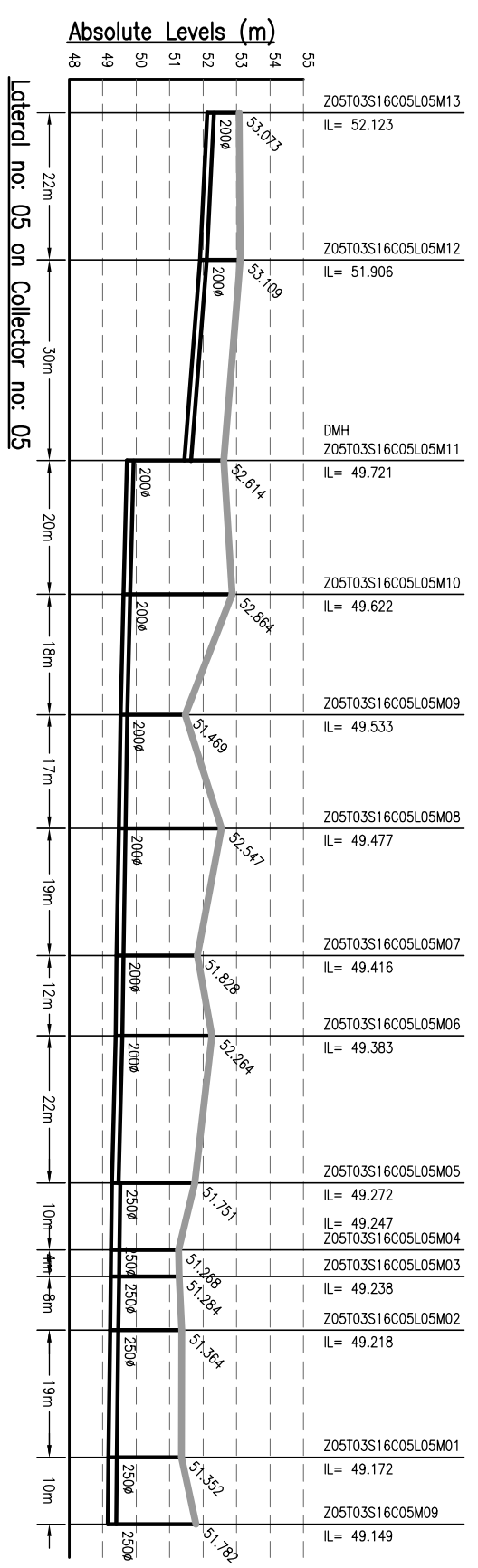
**DATE OF FIRST ISSUE**  
 MAY 2013

**DESIGNED** :- JR  
 MAY 2013

**CHECKED** :- RP  
 MAY 2013

**APPROVED** :- CRR  
 MAY 2013

**JOB NO.** :- 1092.01  
**DISCIPLINE** :- PH  
**DRAWING NO.** :- Z5-T3-L-05  
**REVISION** :- 00



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Drawing Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA  
 UNDER JNNURM

**CONSULTANT:-**  
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 www.meinhardtdesign.com, Email:- [info@meinhardtdesign.com](mailto:info@meinhardtdesign.com)

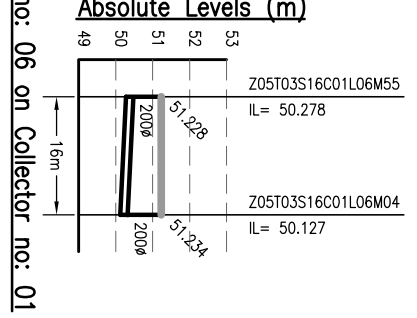
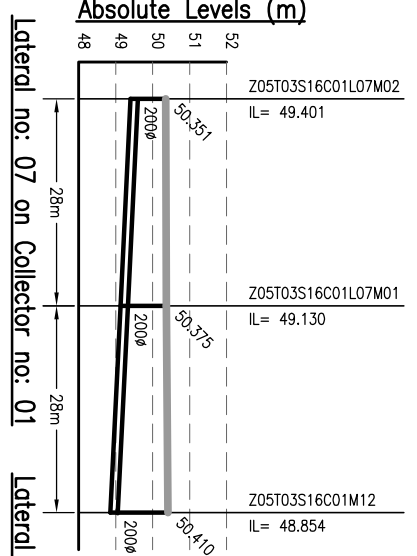
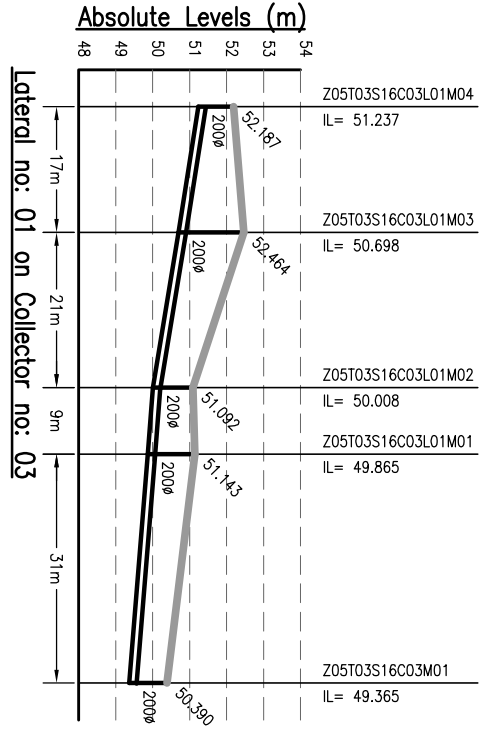
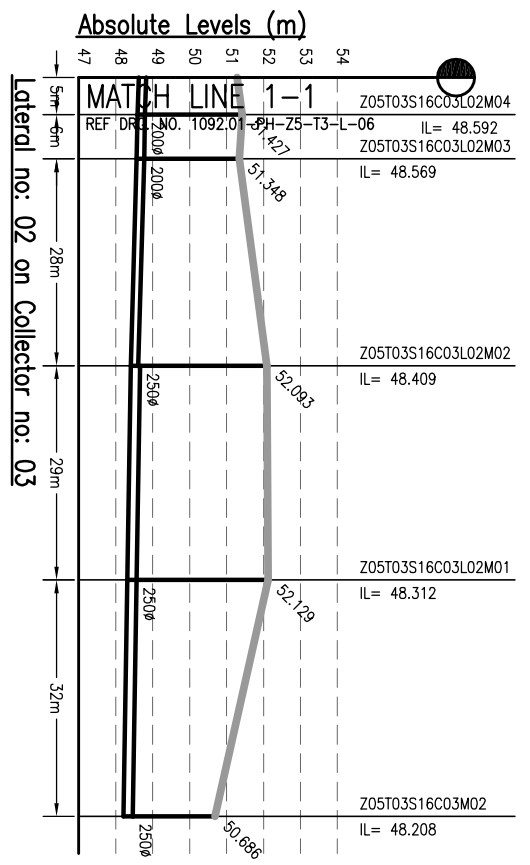
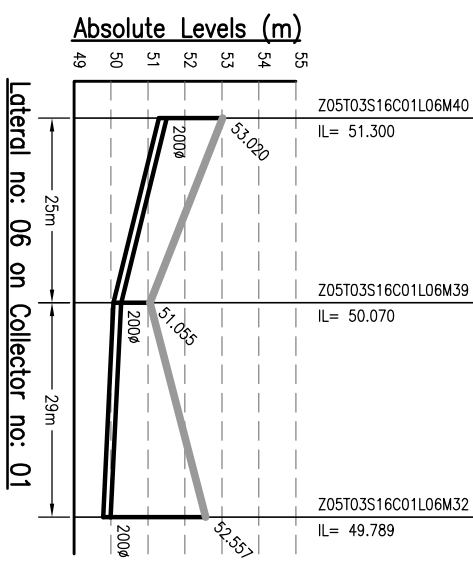
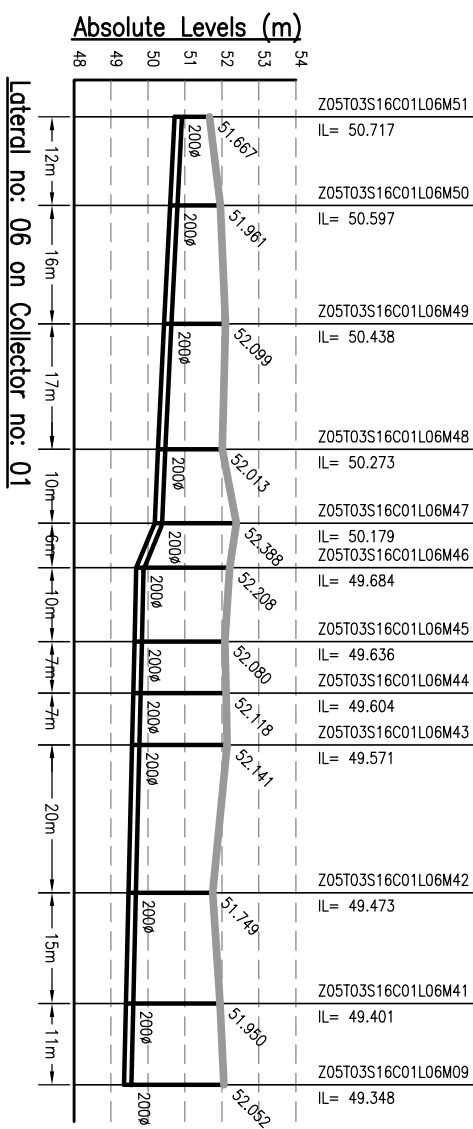
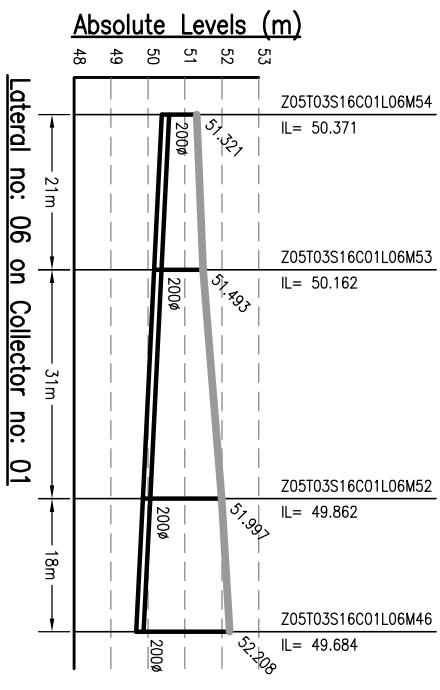
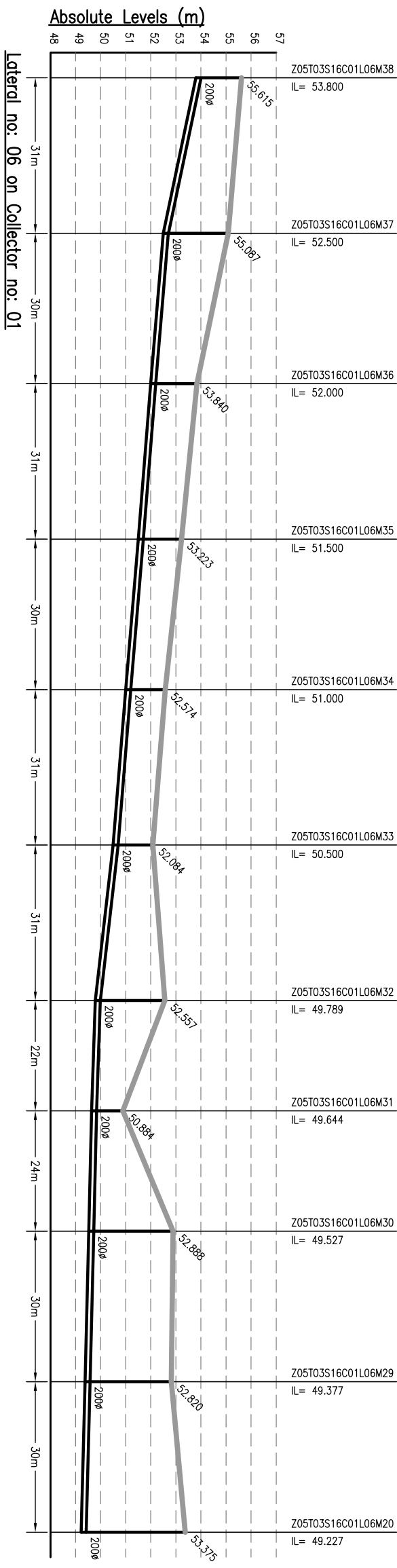
**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-3 (STP)

**SCALE:-** H-1000, V-200

DISCIPLINE	DATE OF FIRST ISSUE	SHEET SIZE
PH	MAY 2013	A3

**JOB NO.:** 1092.01  
**PHASE:** PH  
**DISCIPLINE:** PH  
**DRAWING NO.:** Z5-T3-L-06  
**REVISION:** 00





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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
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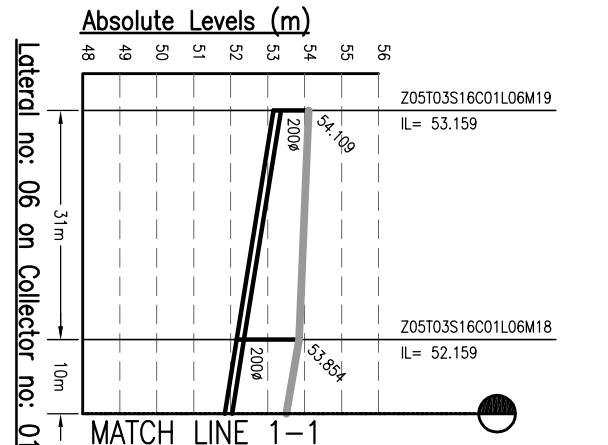
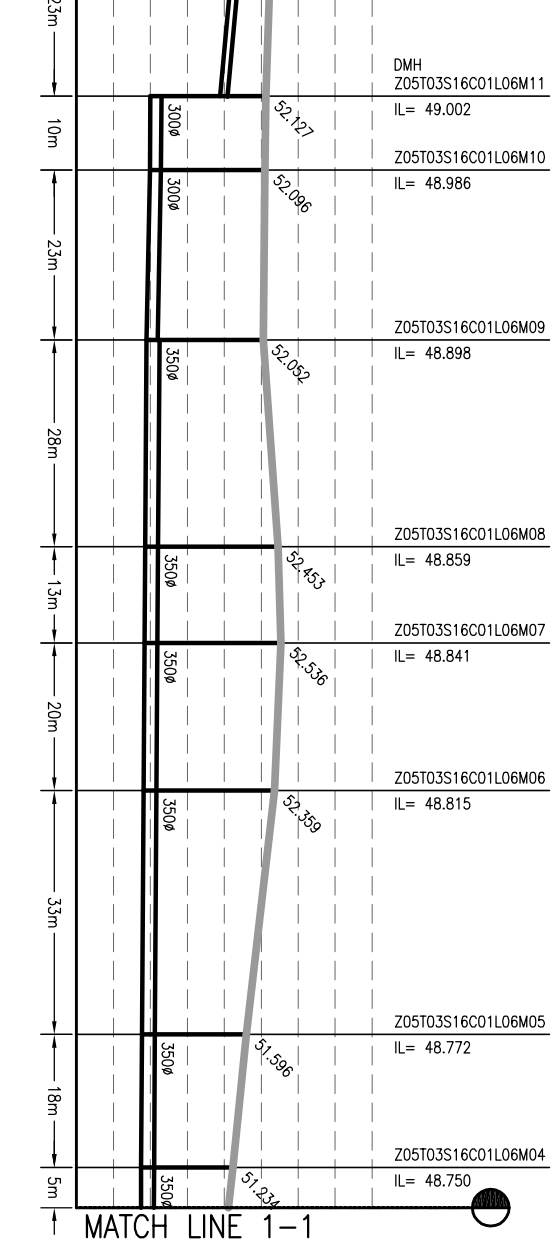
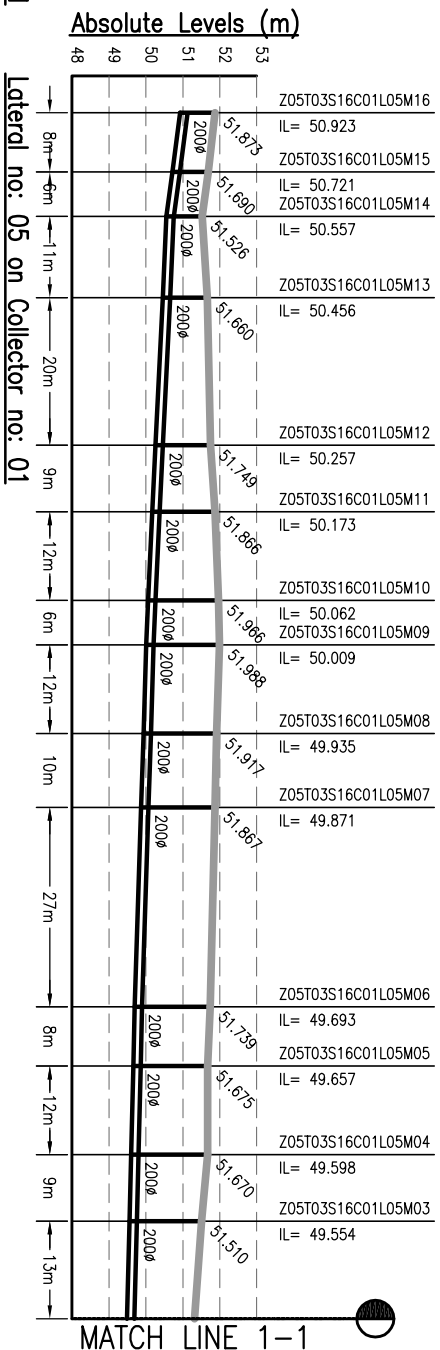
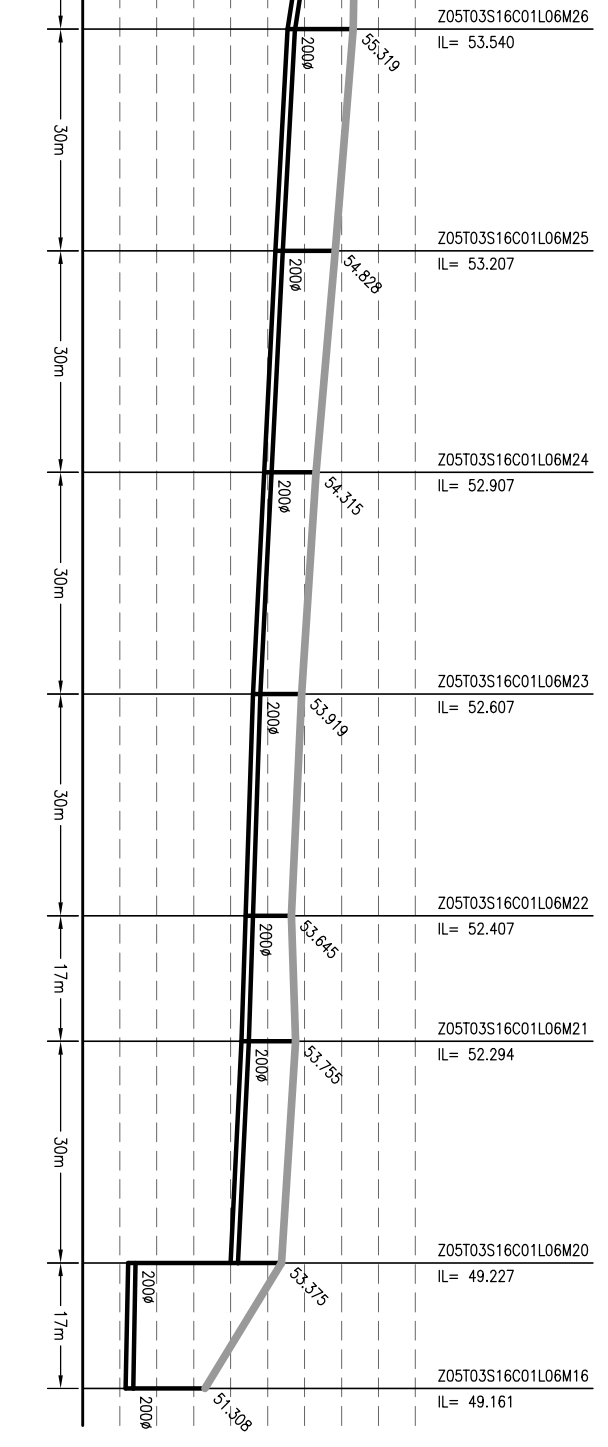
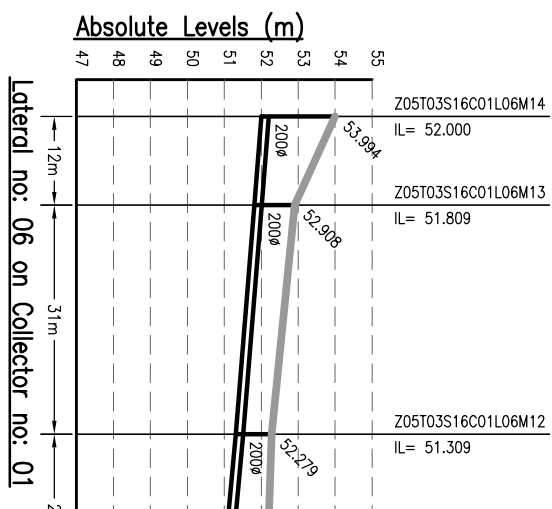
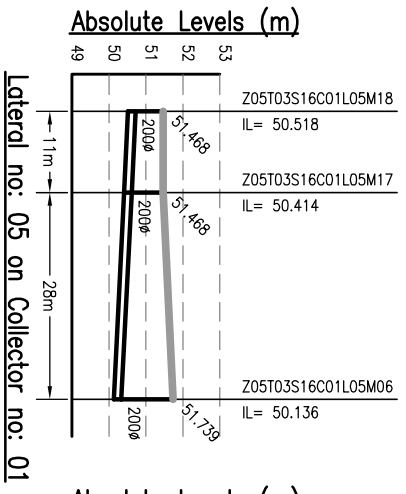
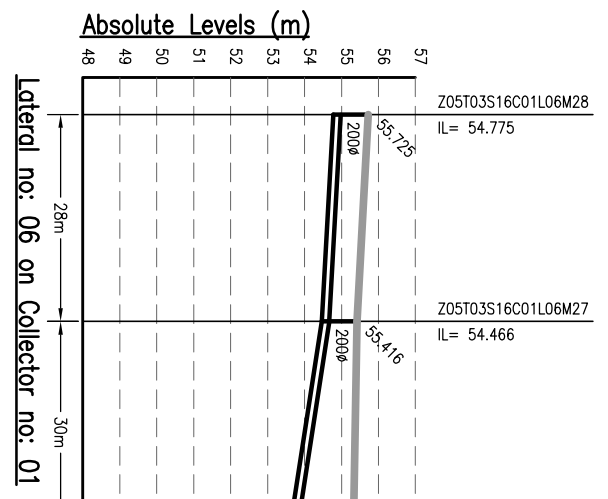
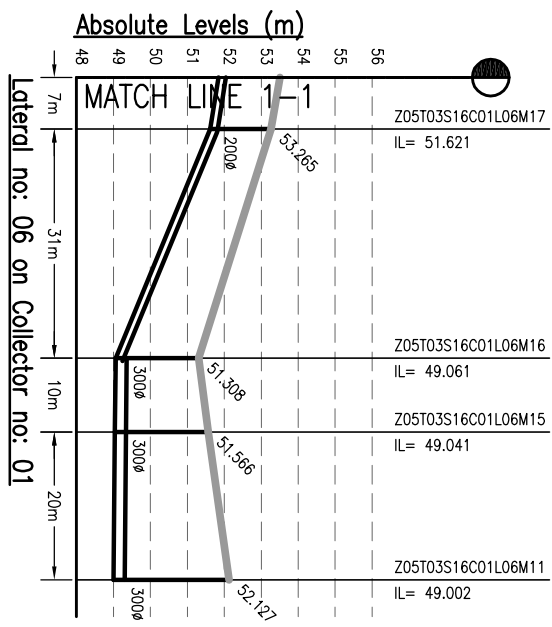
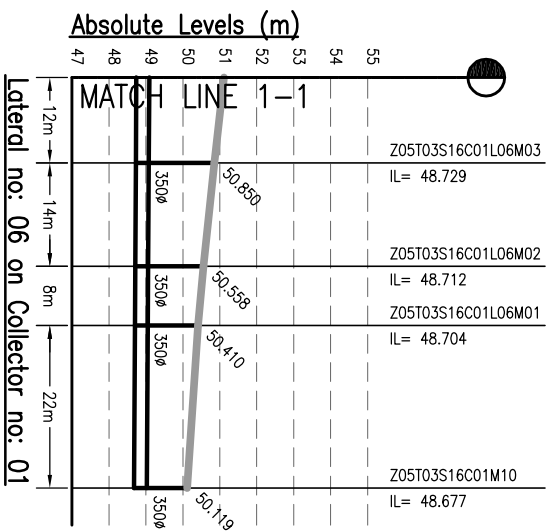
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**DRAWING TITLE**  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 7 OF 21)

DISCIPLINE	NO.	DATE	REVISION
PH	01	Z5-T3-L-07	00





MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T3-L-09

MATCH LINE 1-1

MATCH LINE 1-1

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**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
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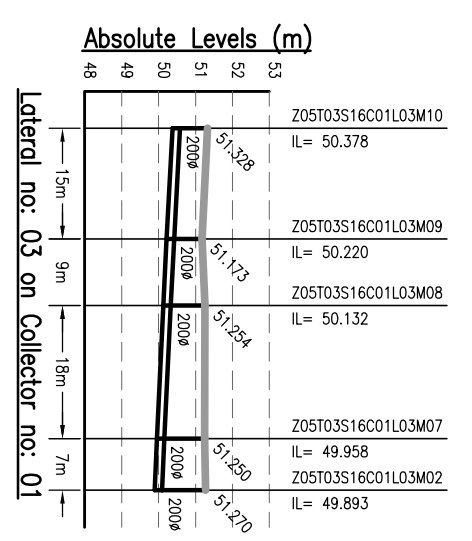
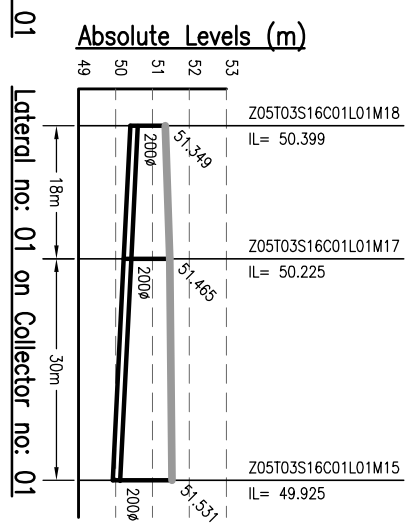
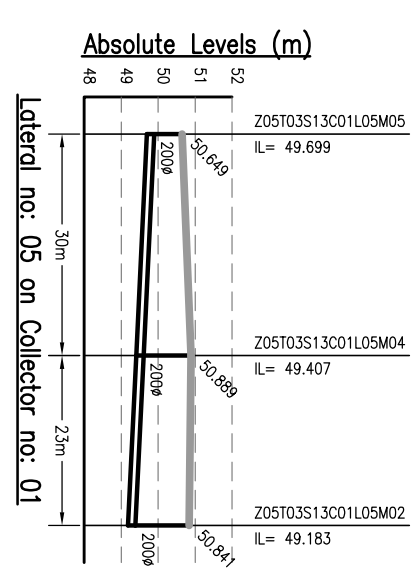
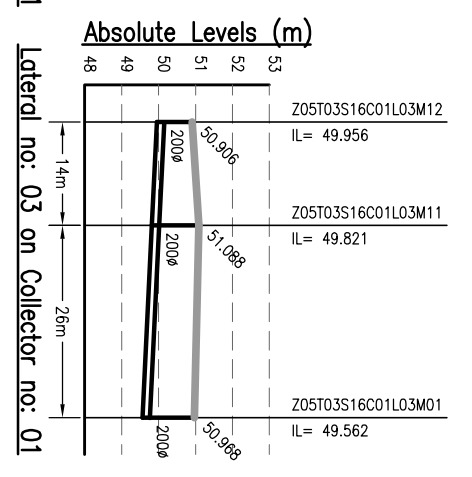
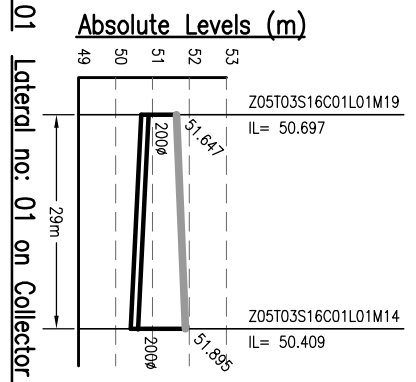
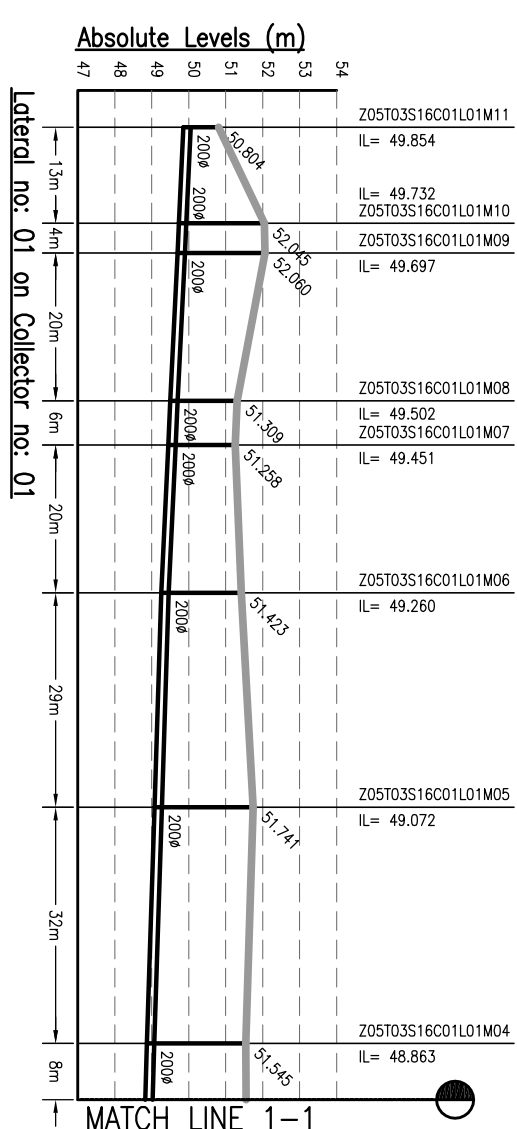
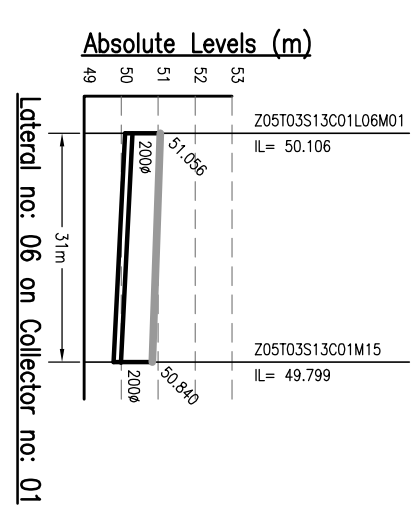
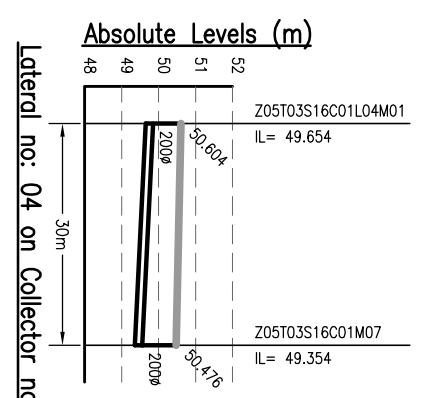
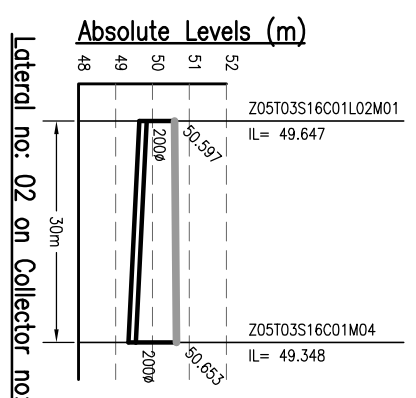
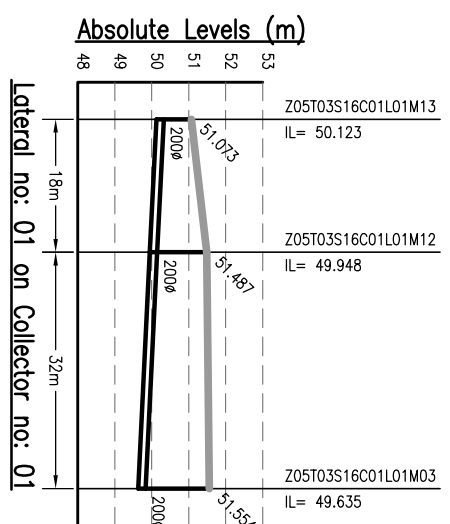
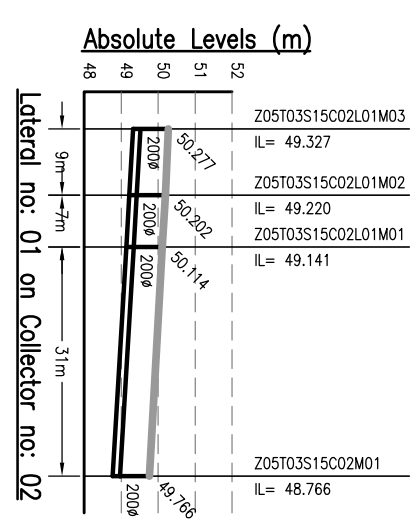
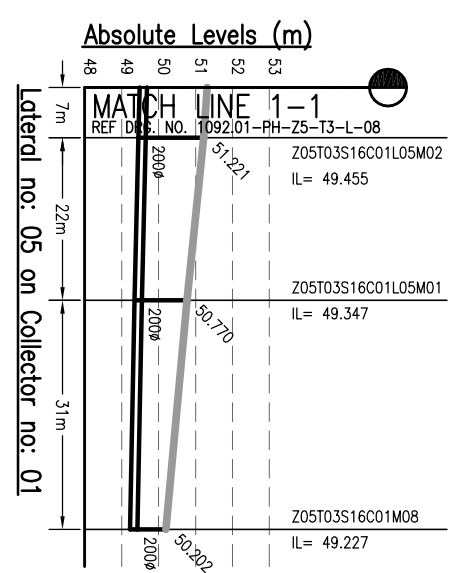
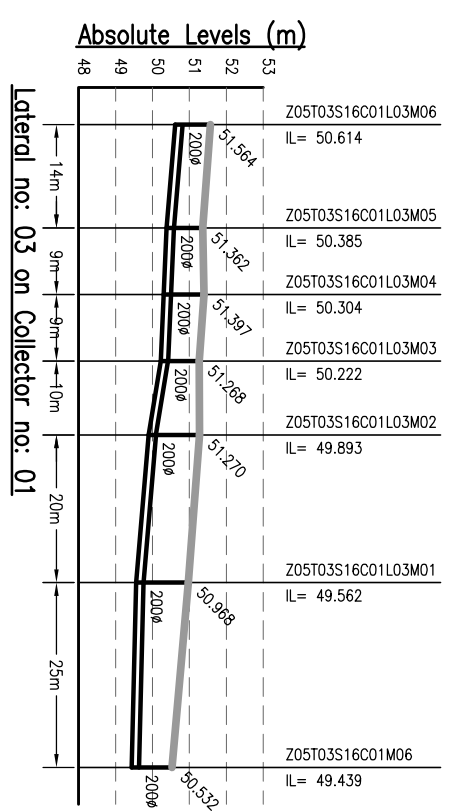
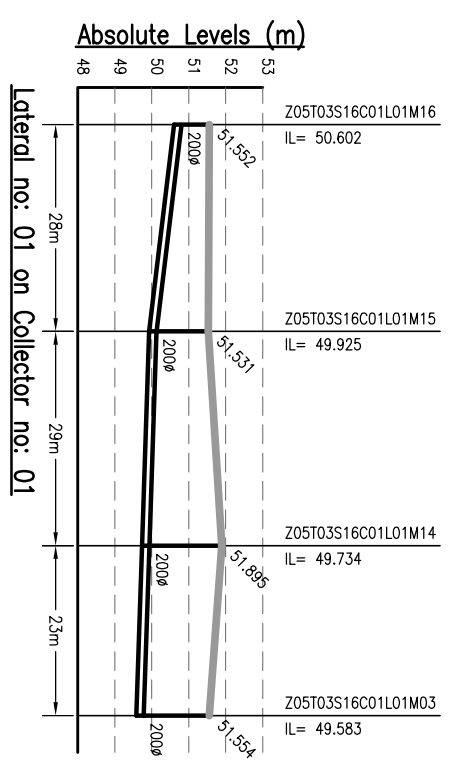
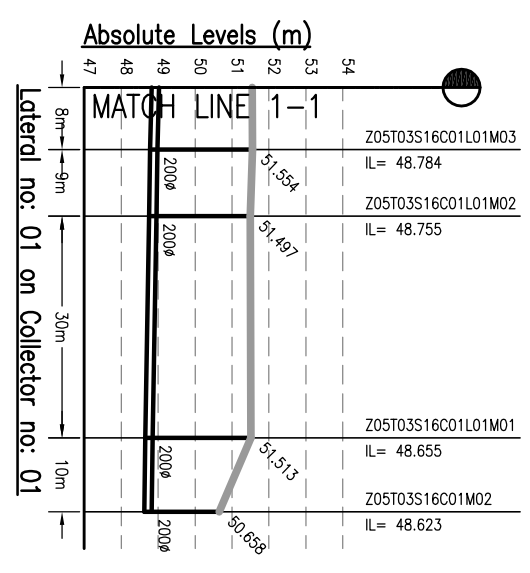


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DISCIPLINE	NO.	DATE	REVISION
PH	01	Z5-T3-L-08	00



DATE: 15/12/2009 10:41:10 AM

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- REFER DRAWING NO. TO 491 & 1092.01-PH-Z5-T3-L-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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www.meinhardtgroup.com, Email: info@meinhardtindia.com

**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**DRAWING TITLE**  
SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)

**SCALE:-** H-1000, V-200

**PURPOSE OF ISSUE**  
DRAFT RETAINED PROJECT REPORT

**DATE OF FIRST ISSUE**  
MAY 2013

**DESIGNED**  
BY: AH  
DATE: MAY 2013

**CHECKED**  
BY: JR  
DATE: MAY 2013

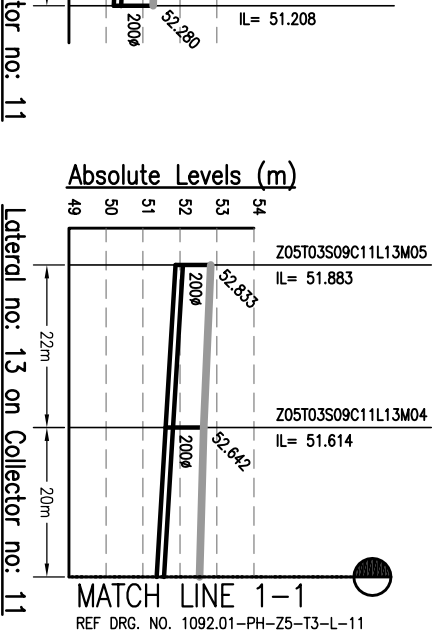
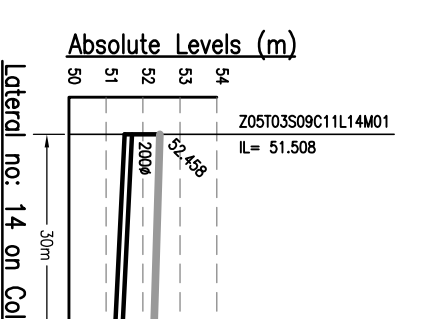
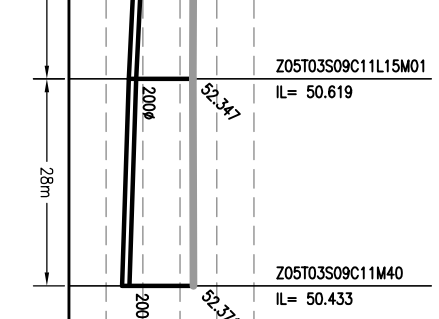
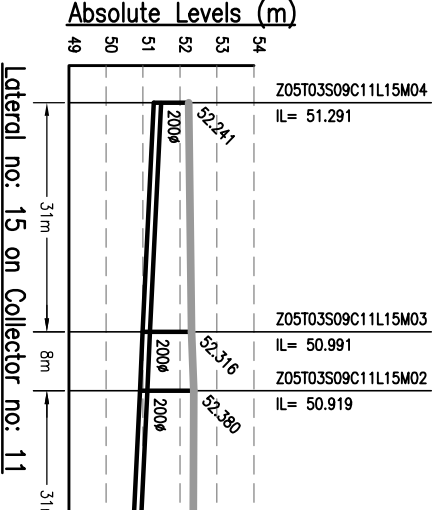
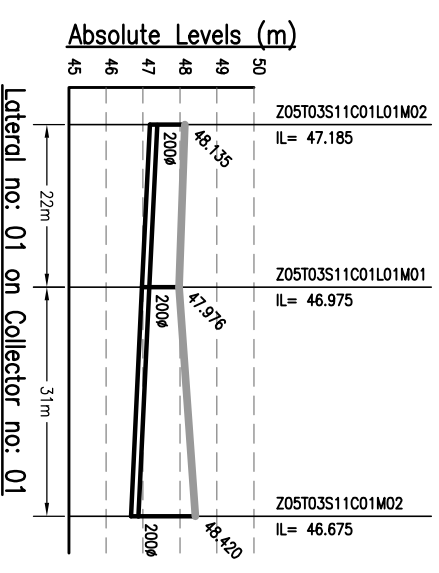
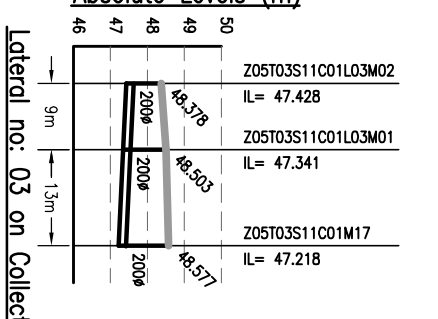
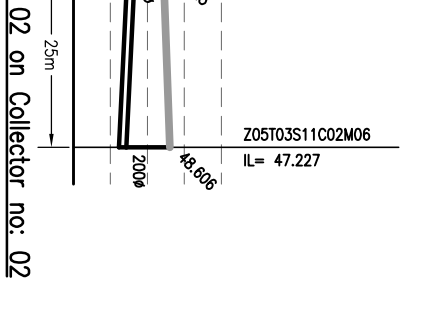
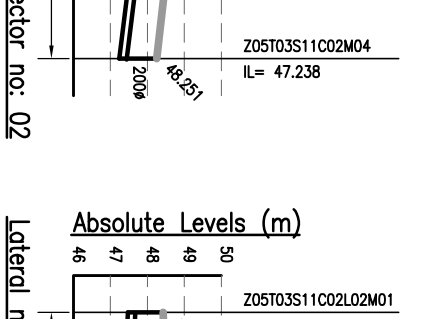
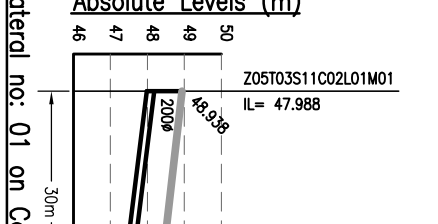
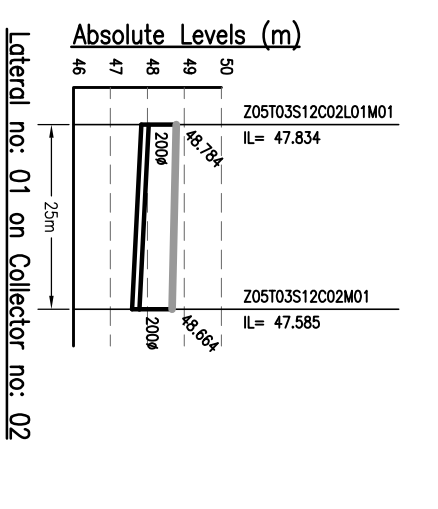
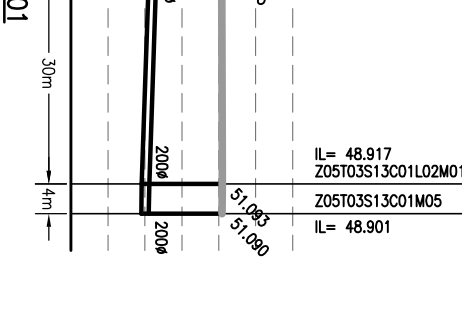
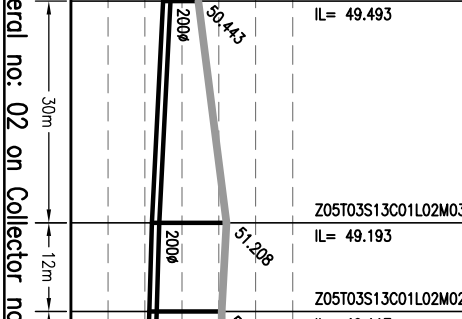
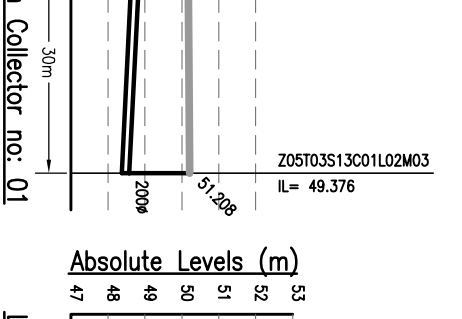
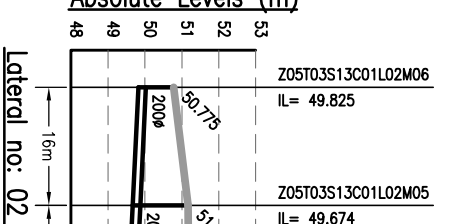
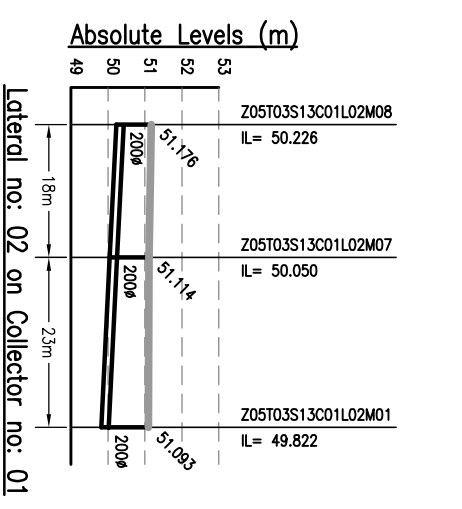
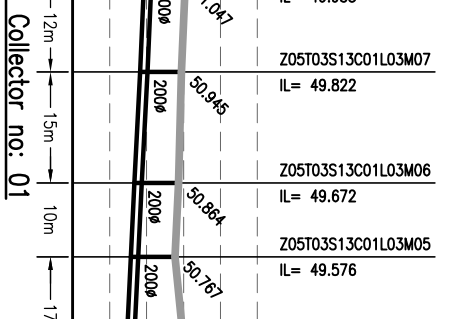
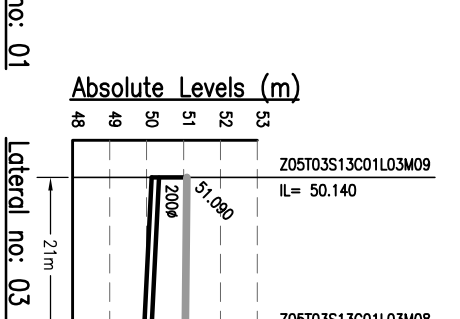
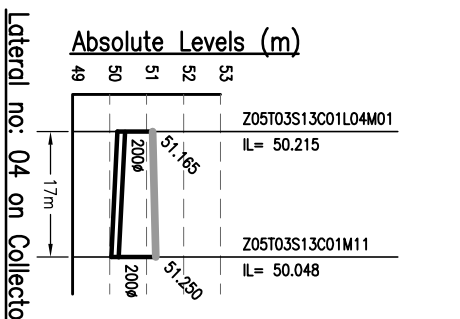
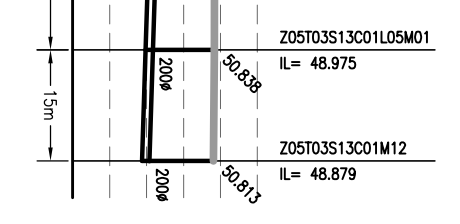
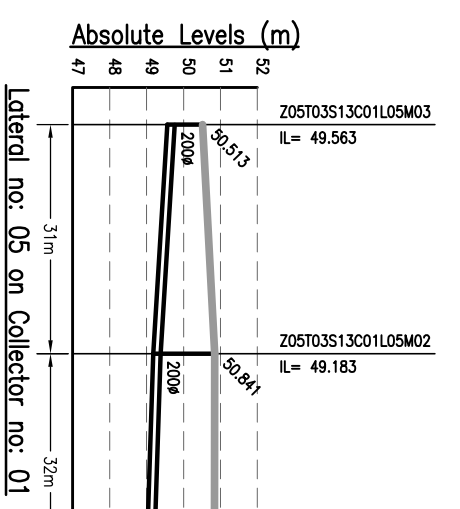
**APPROVED**  
BY: CRR  
DATE: MAY 2013

**JOB NO.**  
1092.01

**DISCIPLINE**  
PH

**DRAWING NO.**  
Z5-T3-L-09

**REVISION**  
00



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-P5-T3-L-11

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Drawing Base Reference:  
PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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Website: [www.bidc.org.in](http://www.bidc.org.in)

PROJECT:-  
PREPARATION OF DETAILED  
PROJECT REPORTS (DPRs) & BID  
DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA  
UNDER JNNURM

CONSULTANT:-

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[www.meinhardtgroup.com](mailto:www.meinhardtgroup.com), Email:- [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

DRAWING TITLE  
**L-SECTION OF LATERAL  
ZONE-5, TRUNK-3 (STP)**  
(PART - 10 OF 21)

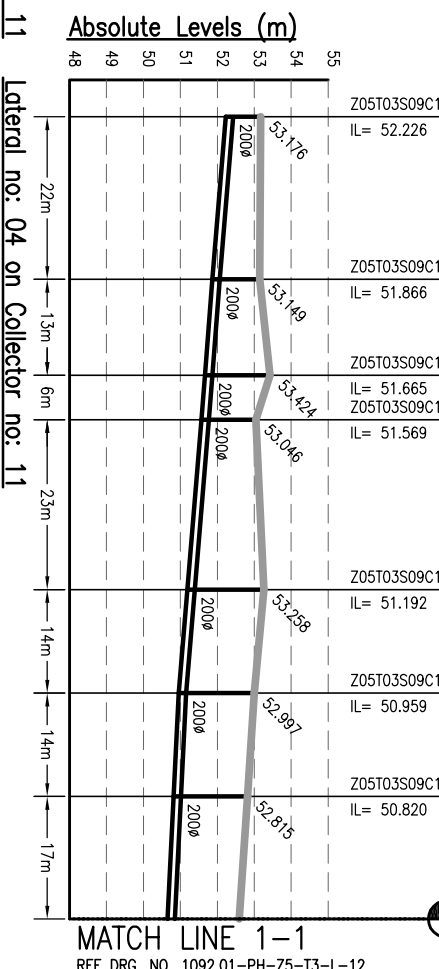
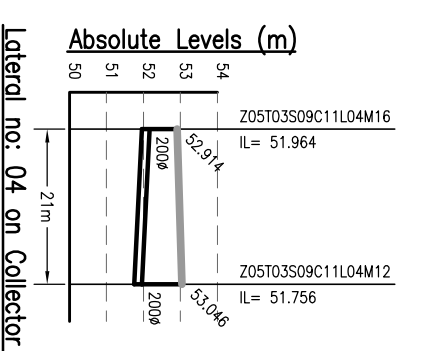
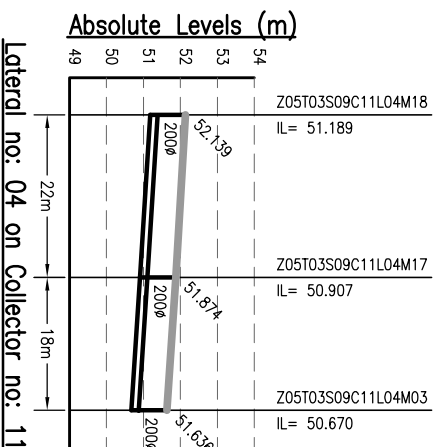
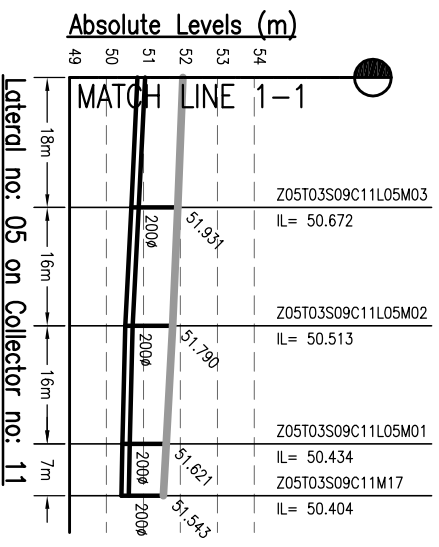
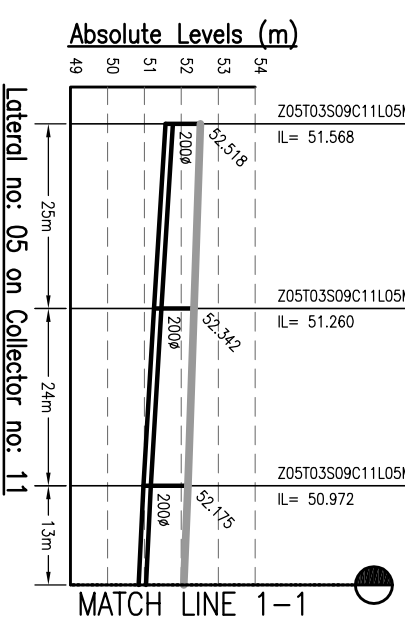
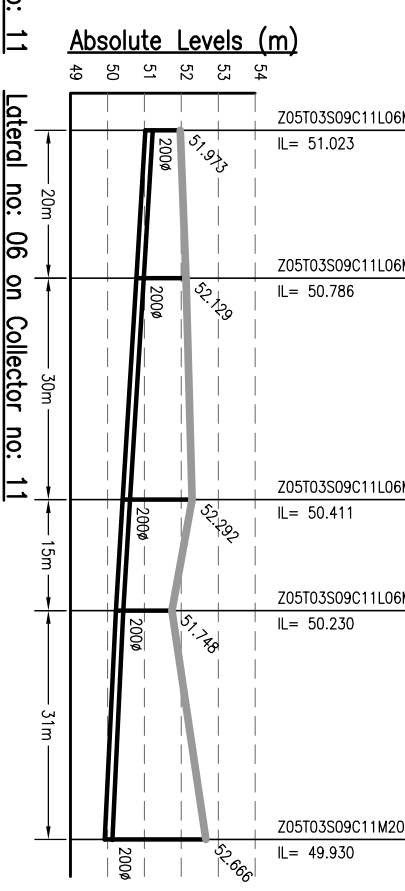
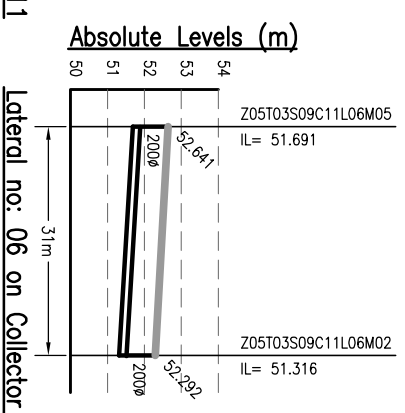
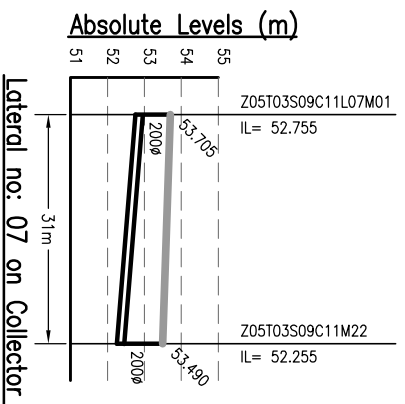
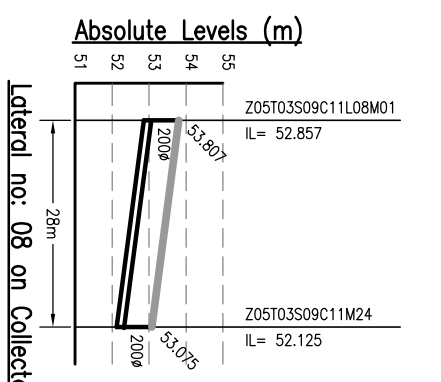
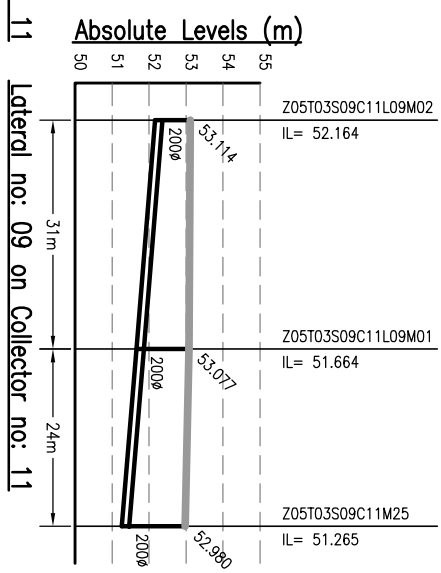
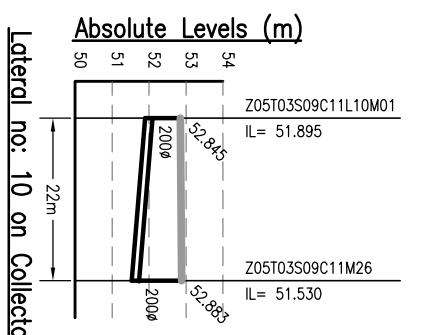
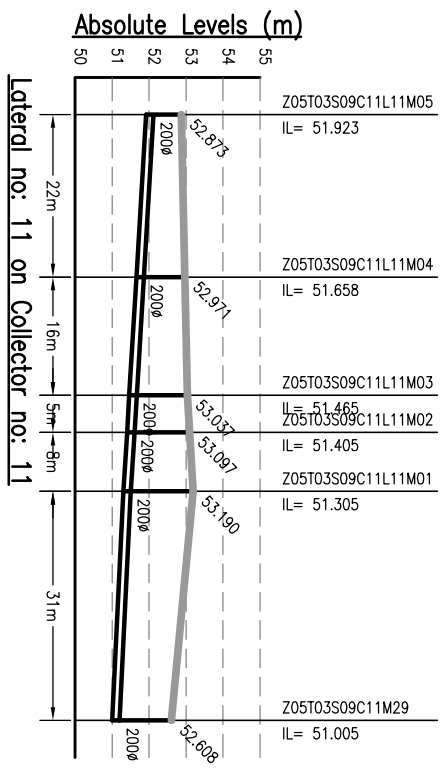
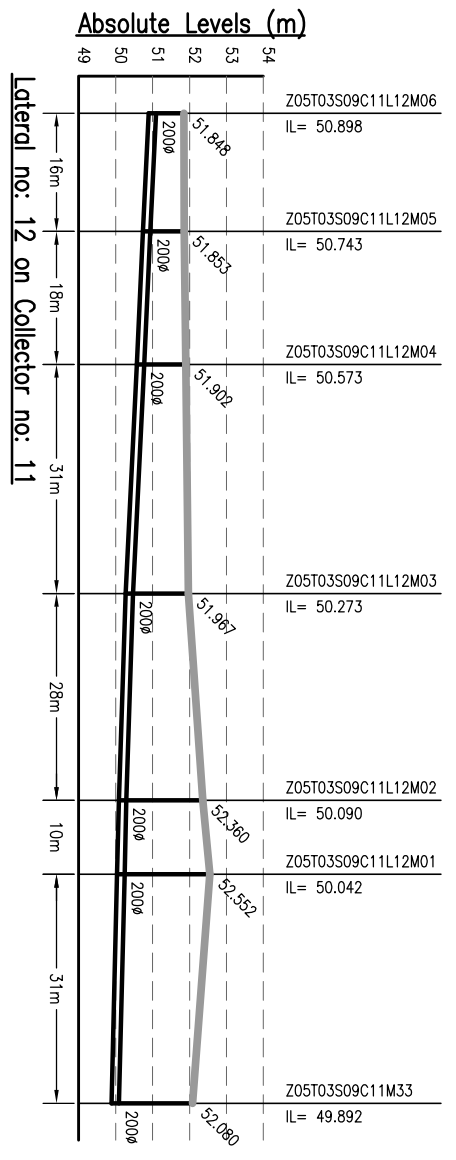
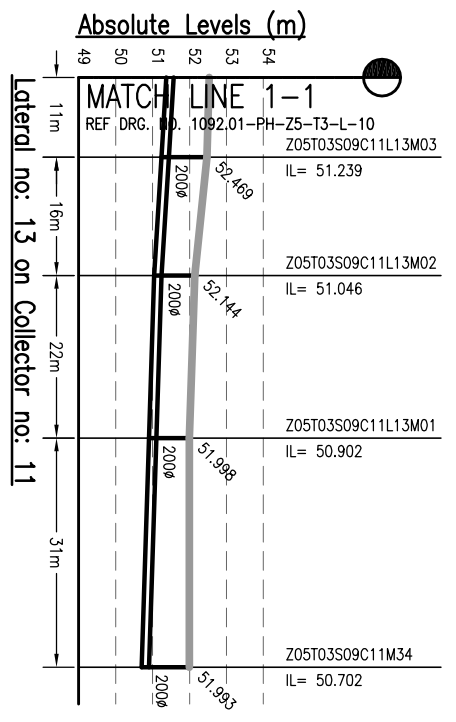
PURPOSE OF ISSUE  
DETAILED PROJECT REPORT  
(SHEET 10 OF 21)

SHEET SIZE: A3  
SCALE: H-1000, V-200

DATE OF FIRST ISSUE

DESIGNED	BY	DATE
CHECKED	BY	DATE
APPROVED	BY	DATE
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-T3-L-10
		REVISION
		00






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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drafting Base Reference:-  
**PWC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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 Website: www.buidc.com, Email: bidc@meinhardtdindia.com

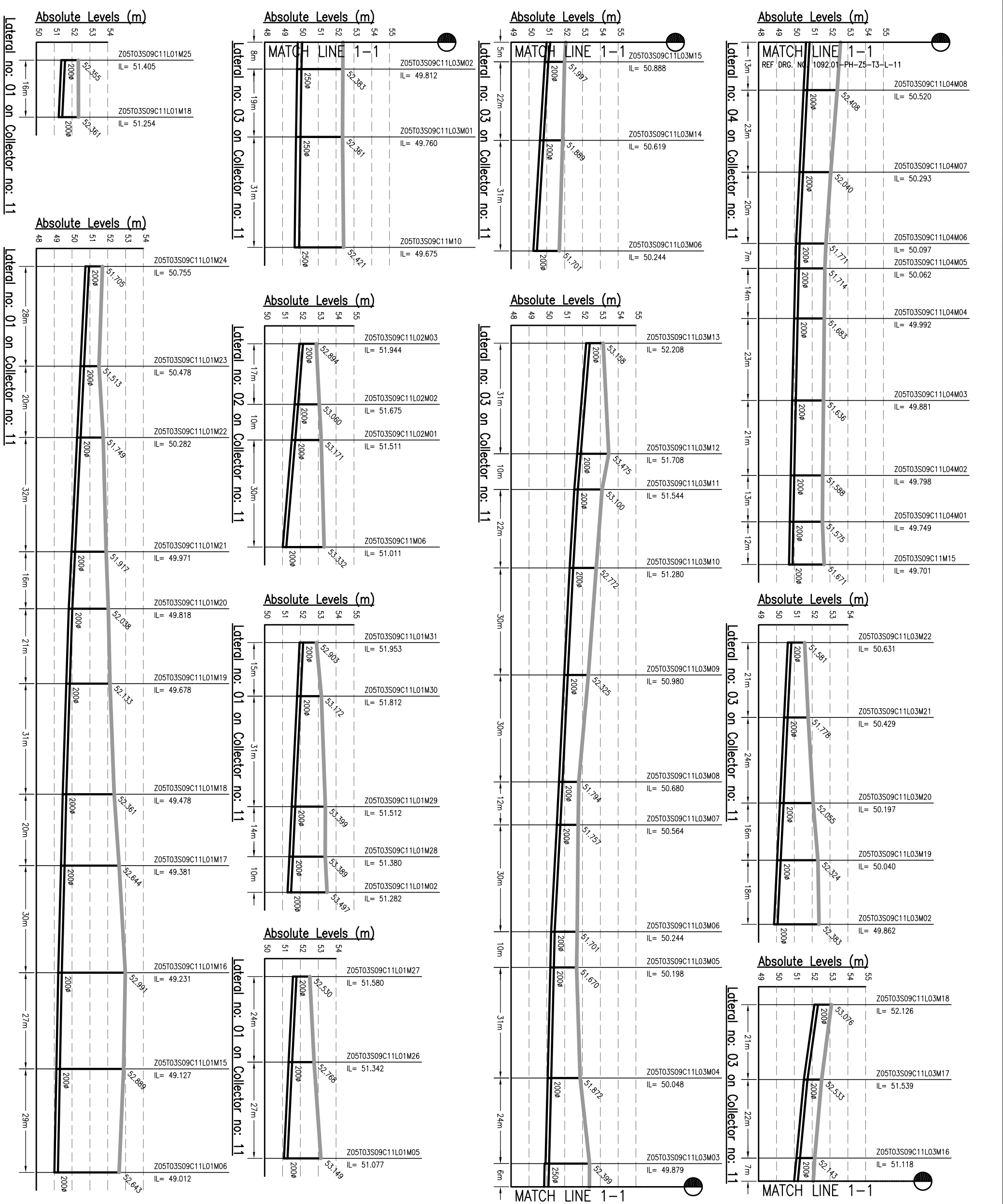
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:  
 TENDERING FOR EXECUTION:  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE &  
 DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**  
  
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**DRAWING TITLE**  
 SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP) (PART - 11 OF 21)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
DRYING	MAY 2013	H-1000, V-200
DESIGNED	MAY 2013	
CHECKED	MAY 2013	
APPROVED	MAY 2013	
JOB NO.	1092.01	
DISCIPLINE	PH	
DRAWING NO.	Z5-T3-L-11	
REVISION	00	





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Drawing Base Reference:-  
**PMC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**DEVELOPMENT CORPORATION**

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 Phone: +91 91 2210101, Fax: +91 91 2210103  
 Website: [www.buhidc.com](http://www.buhidc.com)

**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

  
**MEINHARDT**  
**(SINGAPORE) PTE. LTD.**  
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[www.meinhardtgroup.com](http://www.meinhardtgroup.com), Email:- [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

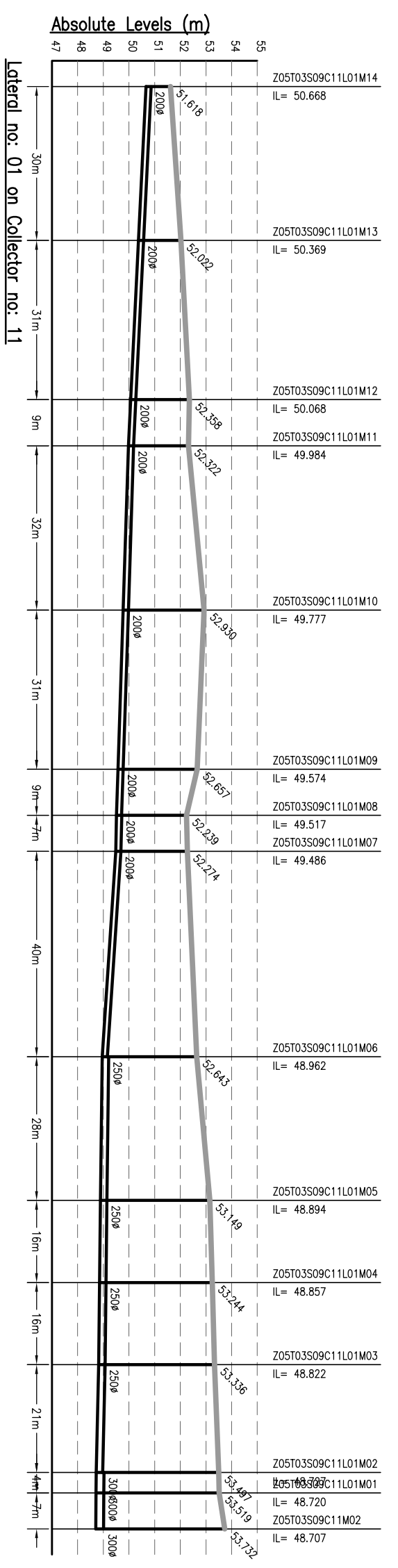
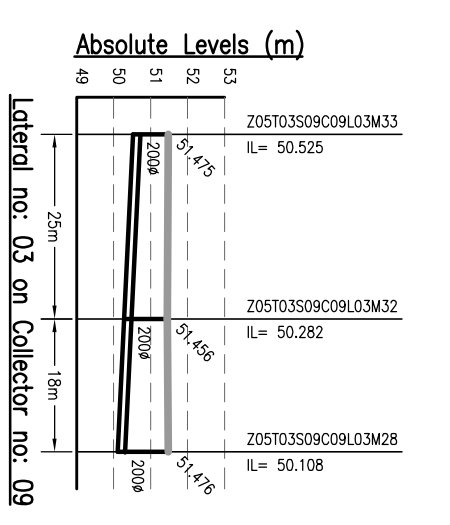
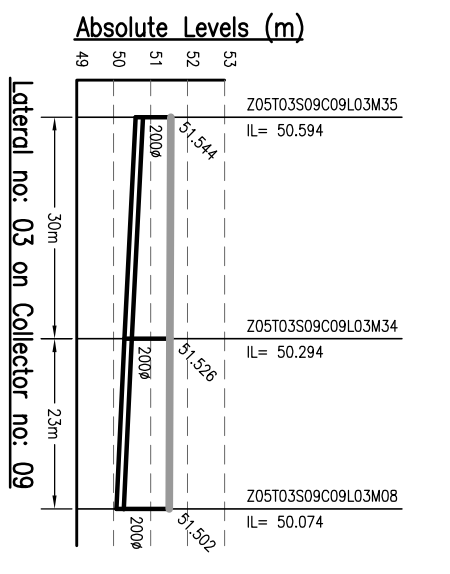
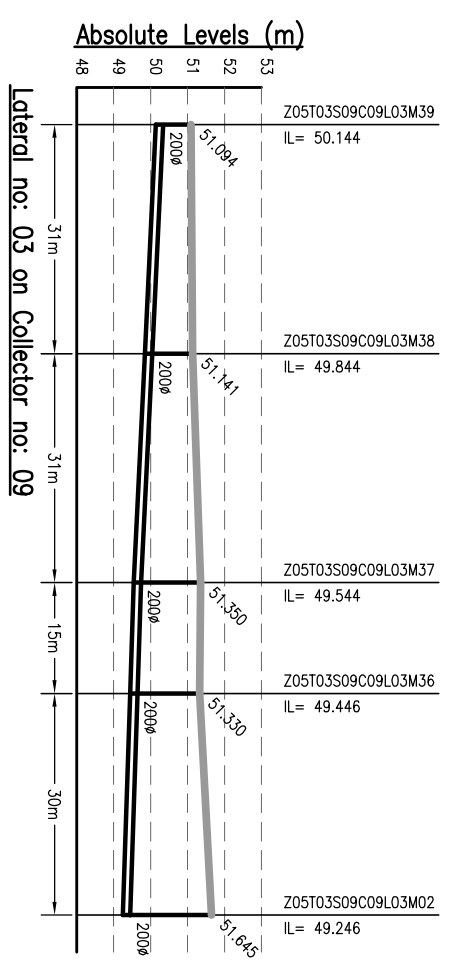
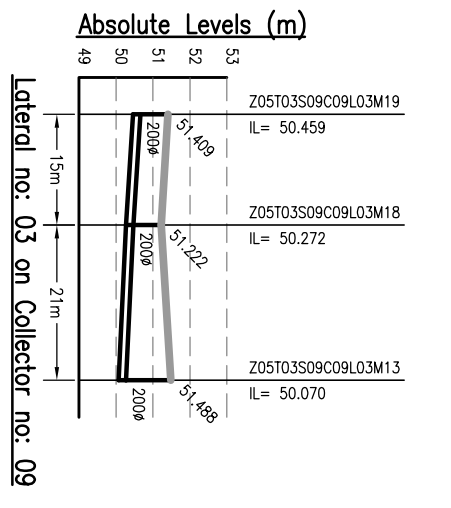
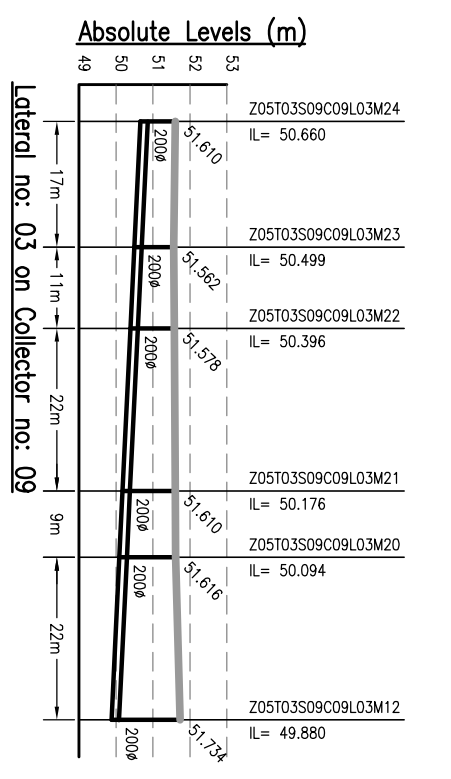
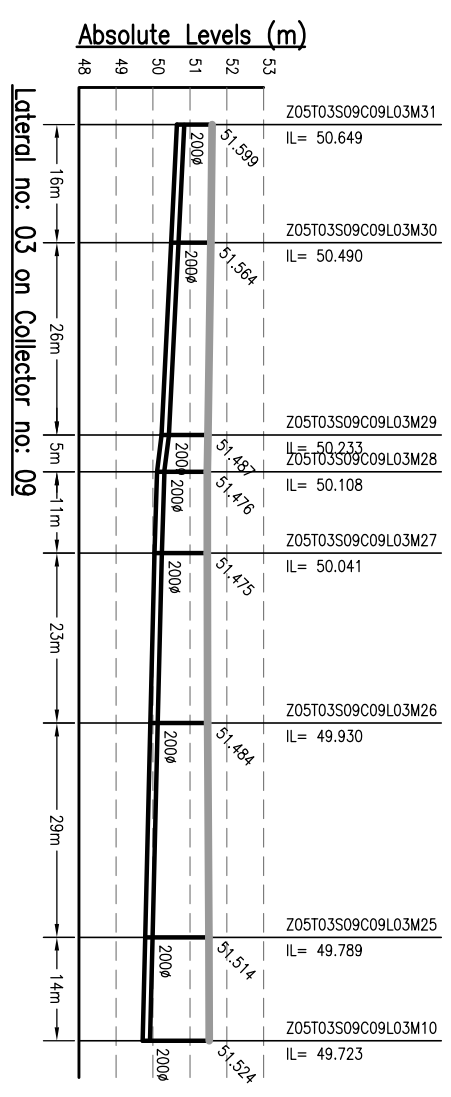
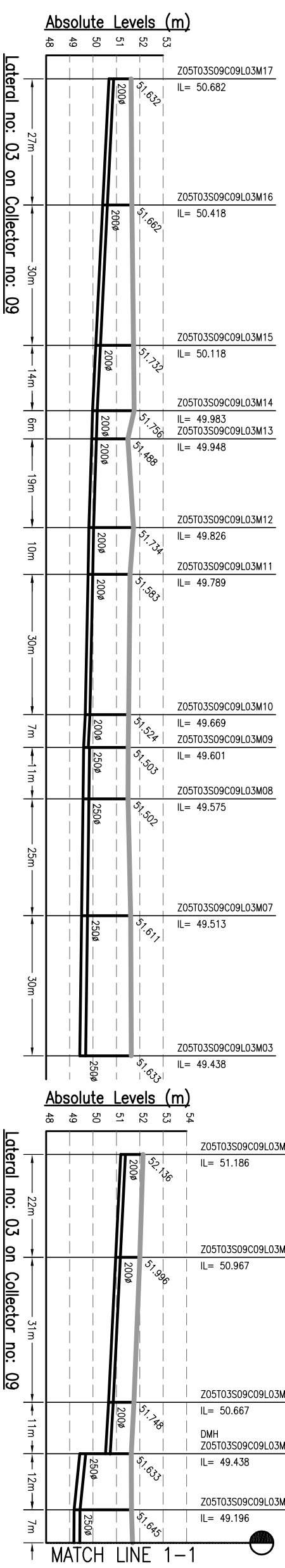
**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-3 (STP)**  
 (PART - 12 OF 21)

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-12	00

DATE	BY	DATE OF FIRST ISSUE
MAY 2013	AH	MAY 2013
MAY 2013	JR	MAY 2013
MAY 2013	RP	MAY 2013

PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

SCALE: H-1000, V-200  
 SHEET SIZE: A3



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T3-L-14

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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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Phone: +65 67201001, Fax: +65 67201033  
Website: [www.bidc.govt.nic.in](http://www.bidc.govt.nic.in)

PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:  
TENDERING FOR EXECUTION,  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

CONSULTANT:-

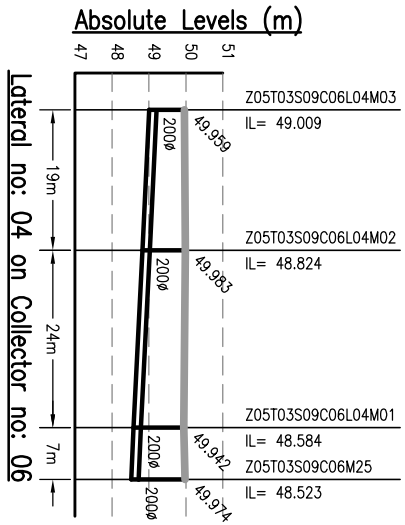
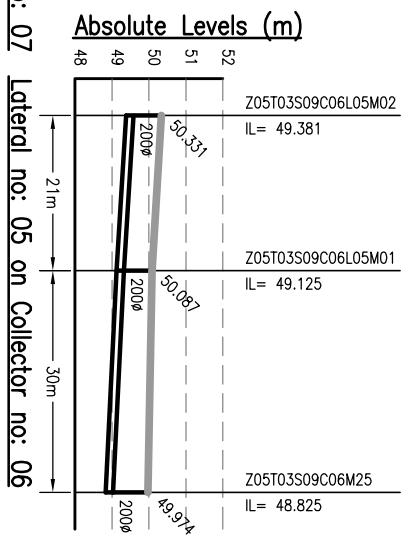
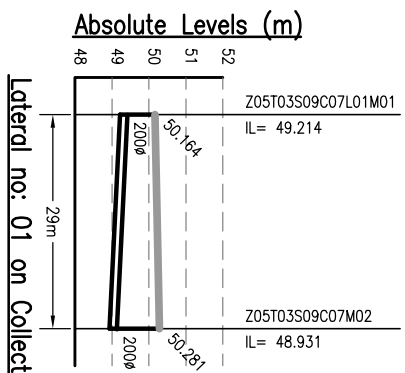
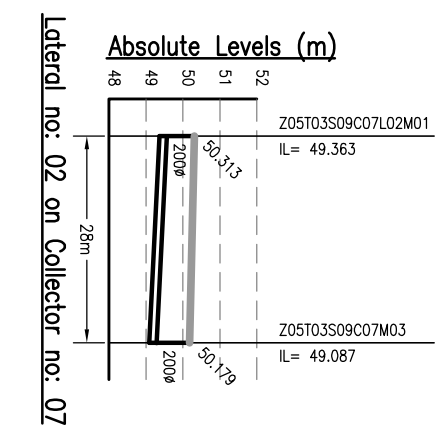
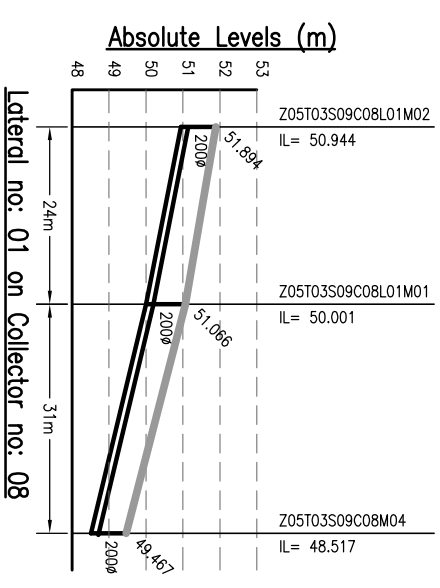
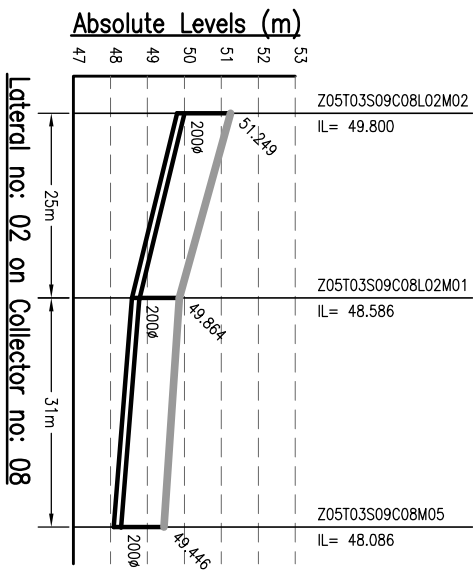
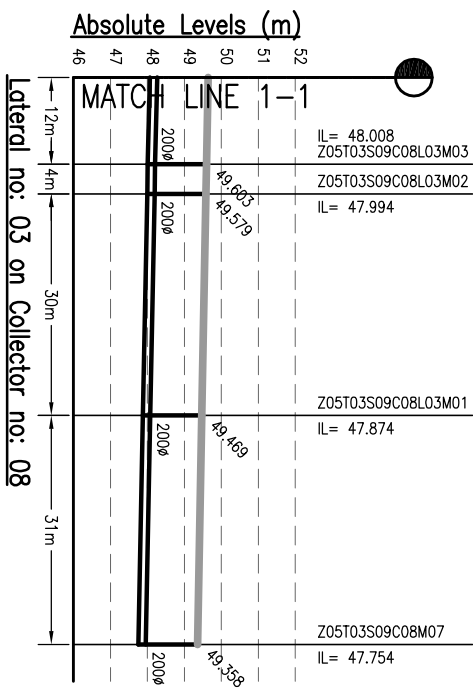
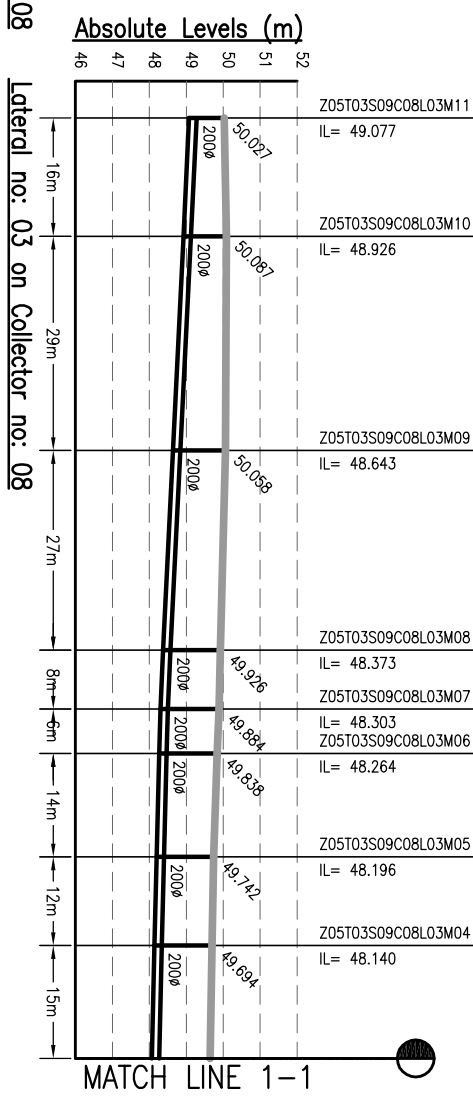
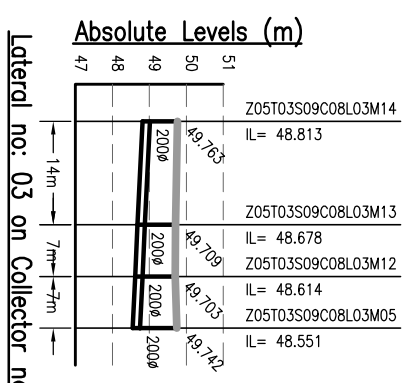
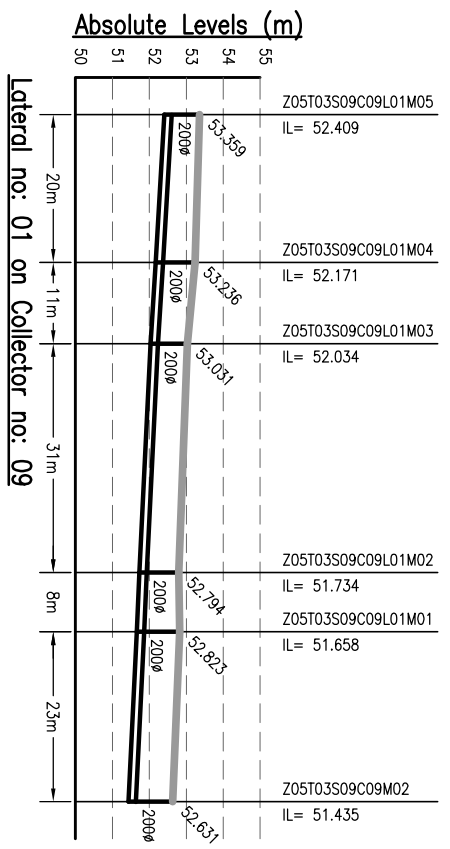
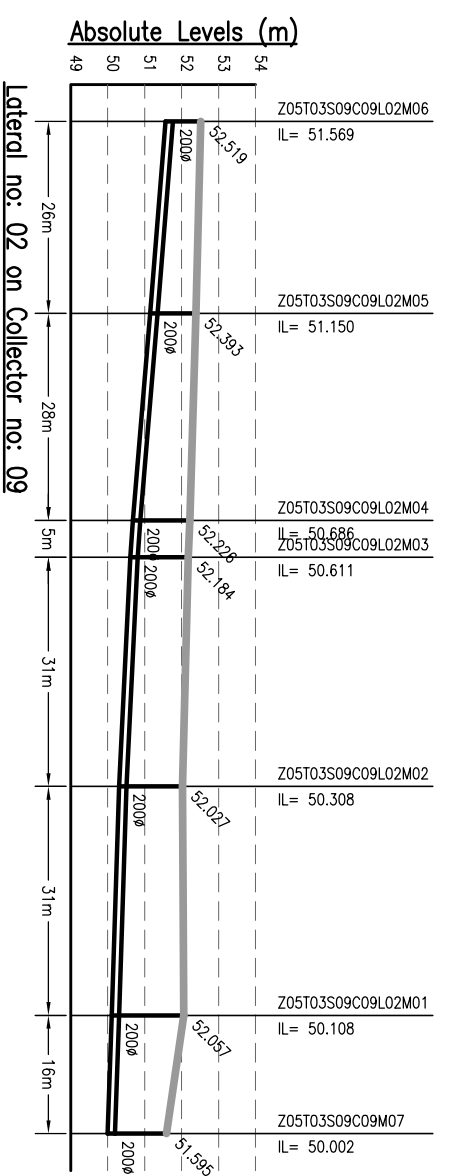
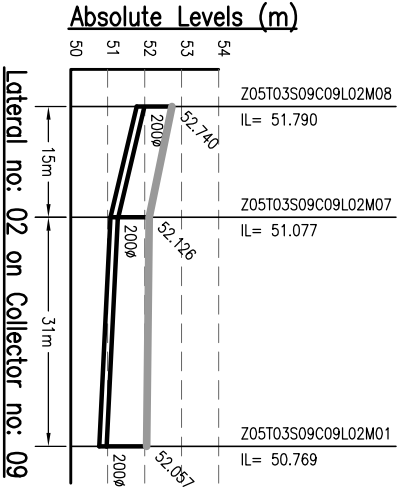
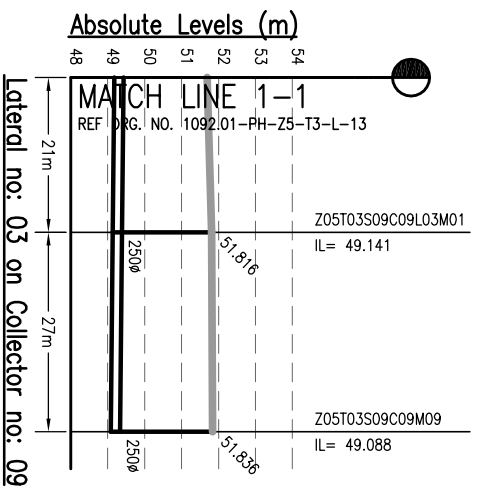
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DRAWING TITLE  
**L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
(PART - 13 OF 21)

PURPOSE OF ISSUE	SHEET SIZE: A3
DRAWN	DATE OF FIRST ISSUE
CHECKED	DATE OF SECOND ISSUE
APPROVED	DATE OF THIRD ISSUE

JOB NO. 1092.01  
DISCIPLINE PH  
DRAWING NO. Z5-T3-L-13  
REVISION 00



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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-Z5-T3-L-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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Website: [www.bidc.gov.in](http://www.bidc.gov.in)

PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

CONSULTANT:-

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DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-3 (STP)**  
(PART - 14 OF 21)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
PH	MAY 2013	H-1000, V-200

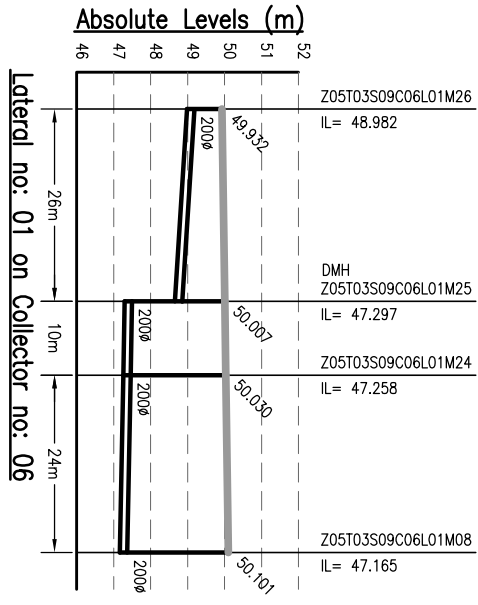
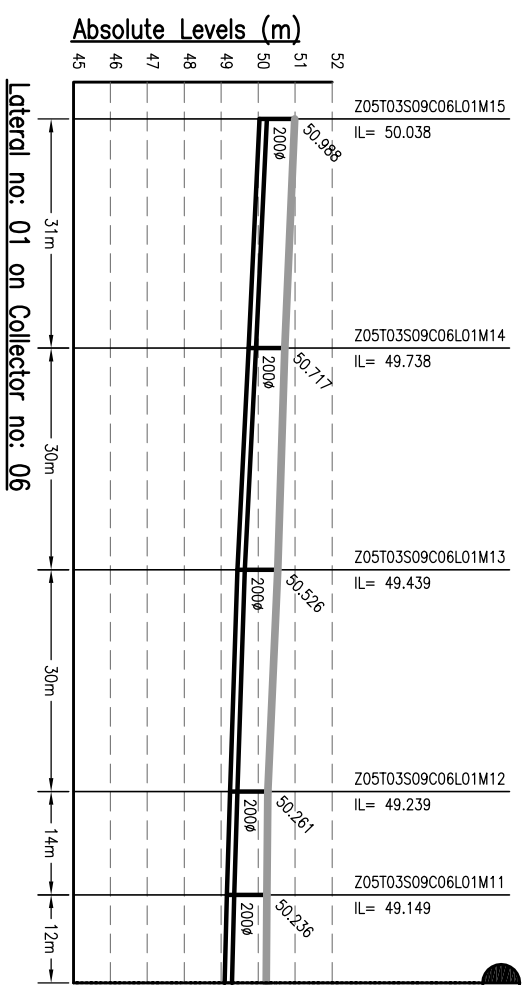
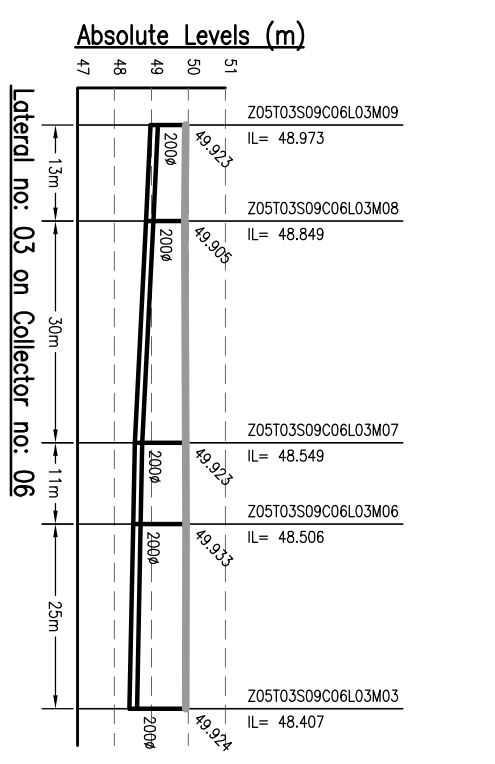
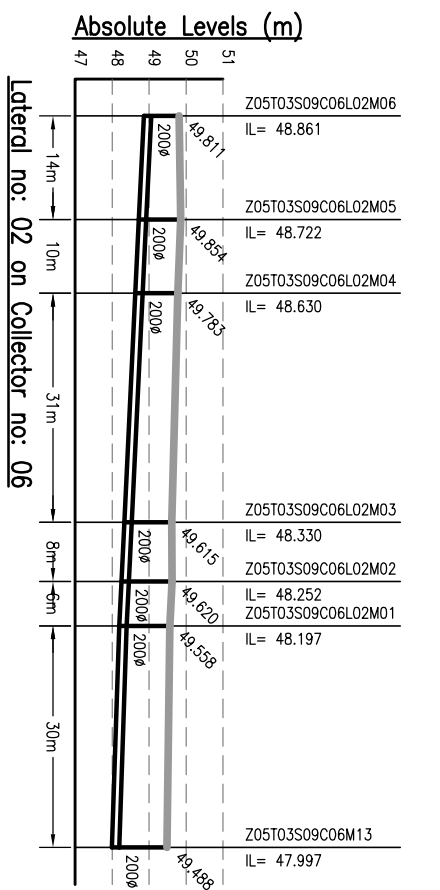
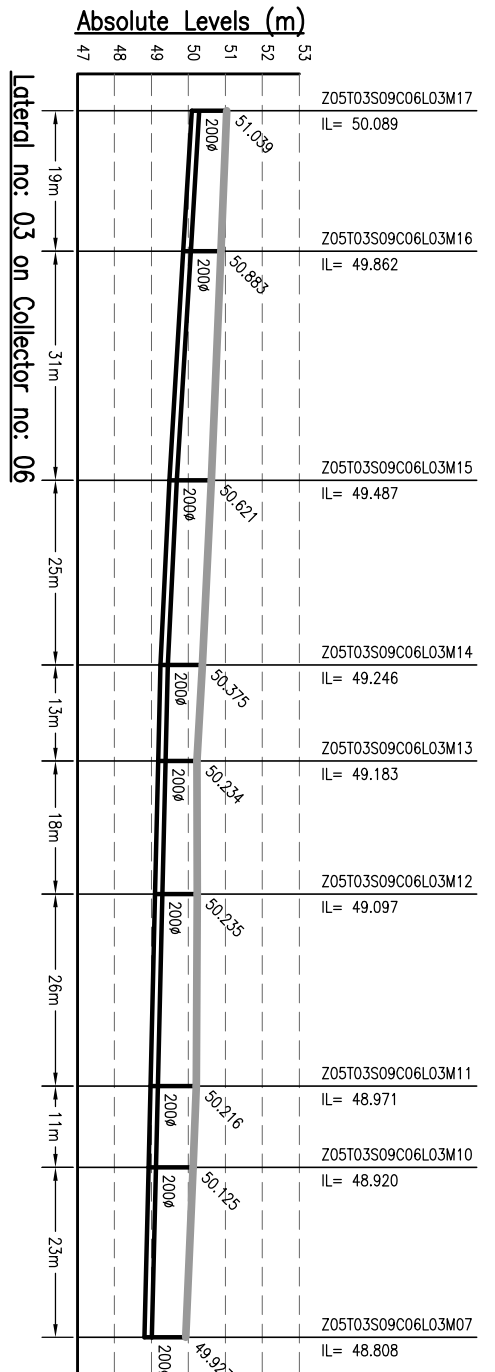
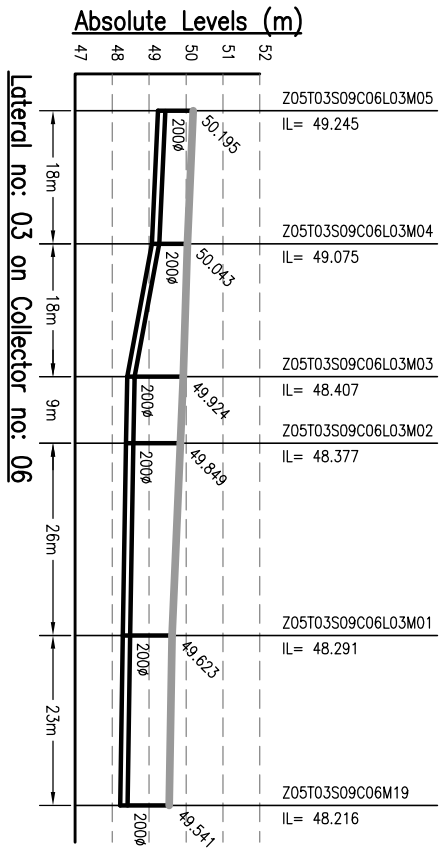
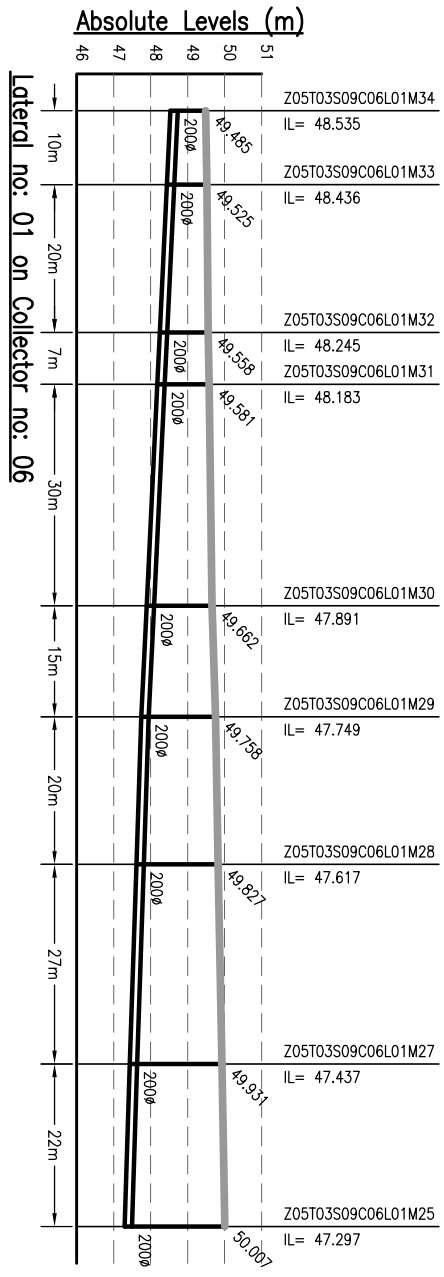
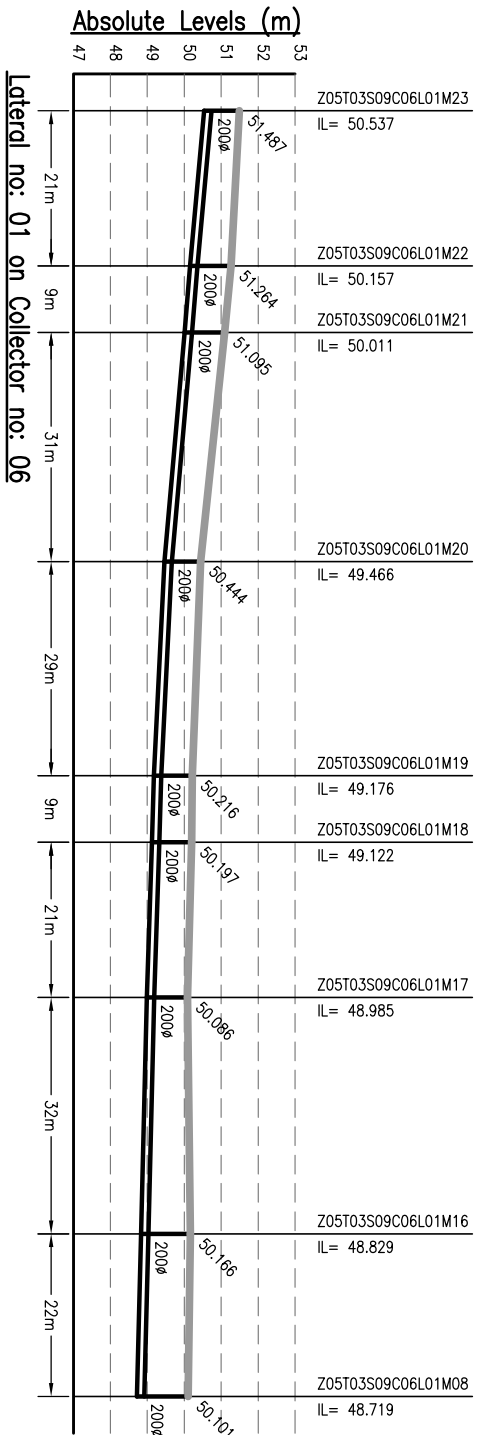
PURPOSE OF ISSUE  
DRAFT DETAILED PROJECT REPORT

BY	DATE OF FIRST ISSUE
AH	MAY 2013
JR	MAY 2013
RP	MAY 2013

CHECKED  
DESIGNED  
DRAWN

APPROVED  
JOB NO. 1092.01  
DISCIPLINE PH  
DRAWING NO. Z5-T3-L-14  
REVISION 00





MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T3-L-16

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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
TENDERING FOR SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

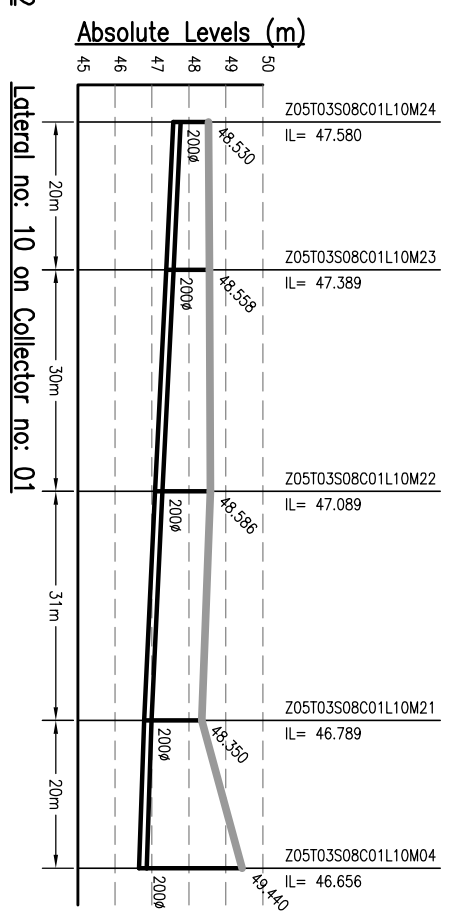
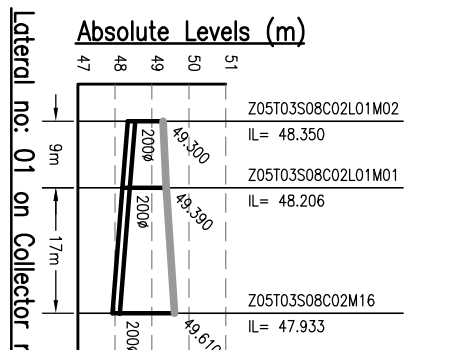
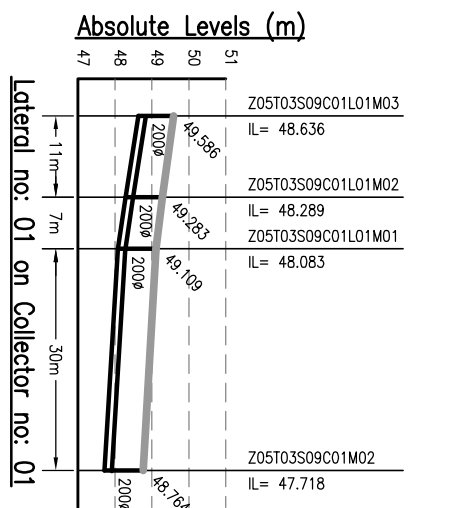
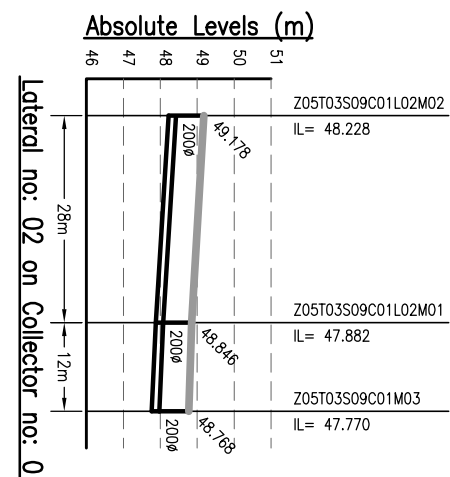
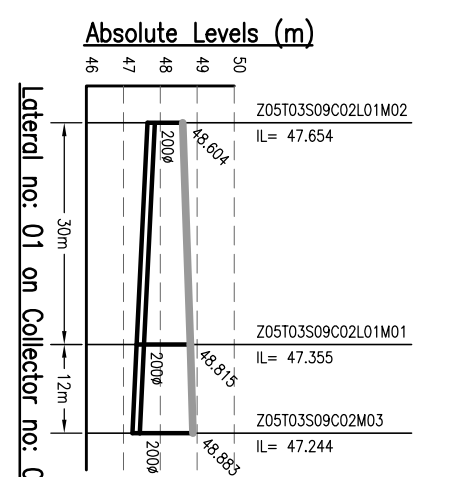
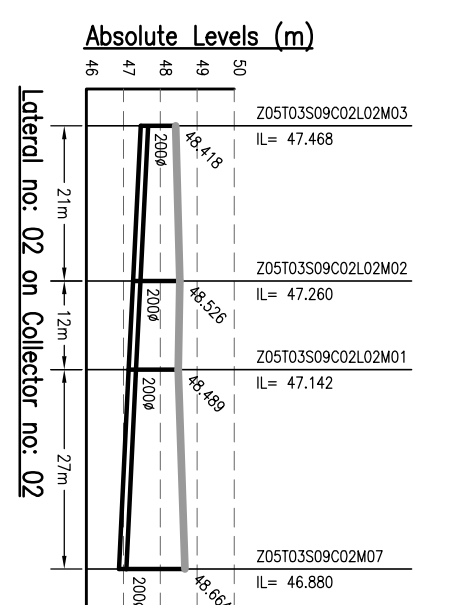
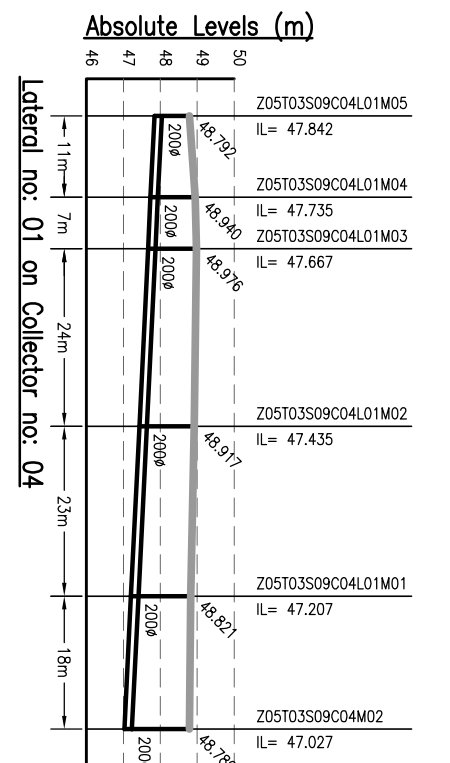
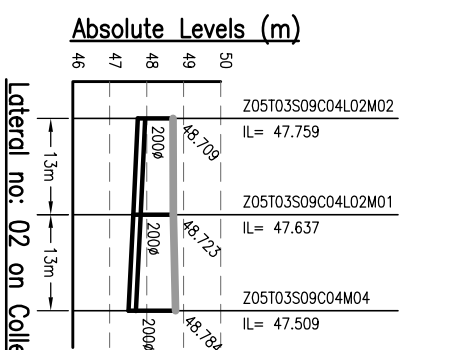
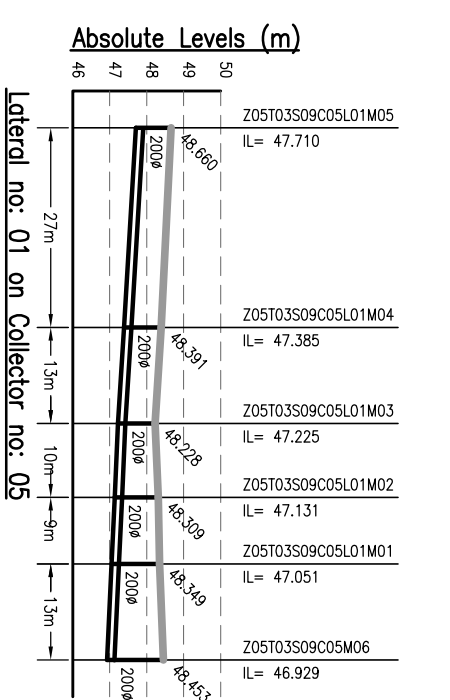
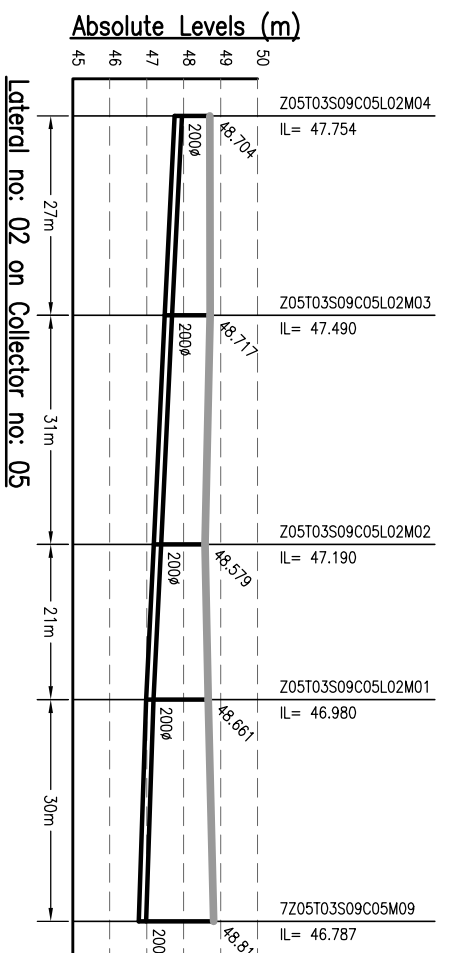
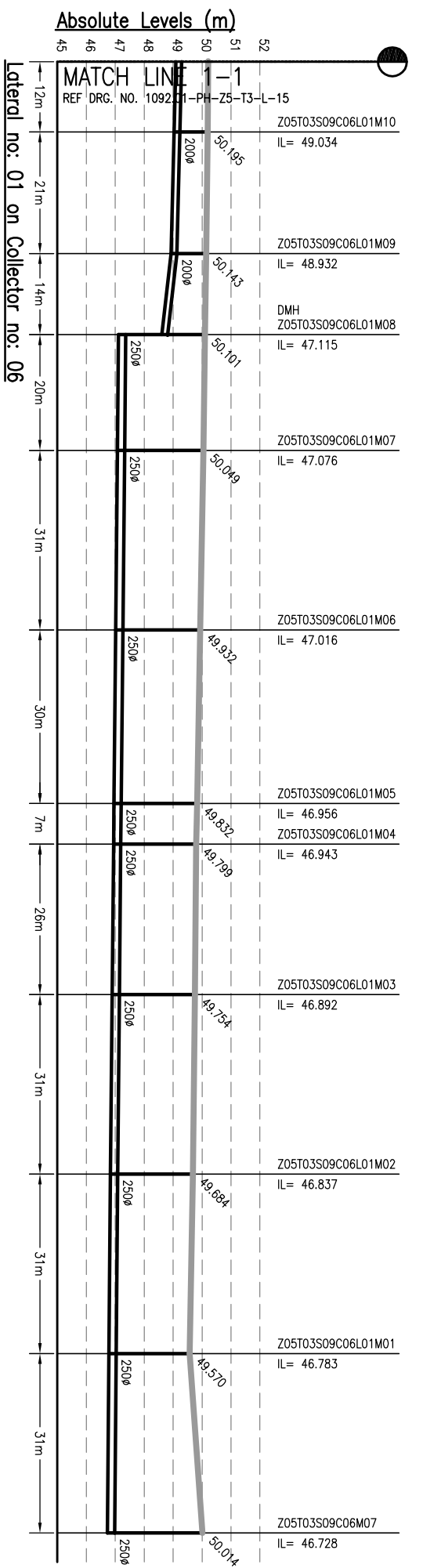
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**DRAWING TITLE**  
SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP) (PART - 15 OF 21)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
DESIGNED	MAY 2013	H-1000, V-200
CHECKED	MAY 2013	
APPROVED	MAY 2013	

**JOB NO.** 1092.01  
**PH** Z5-T3-L-15  
**REVISION** 00





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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-Z5-T3-L-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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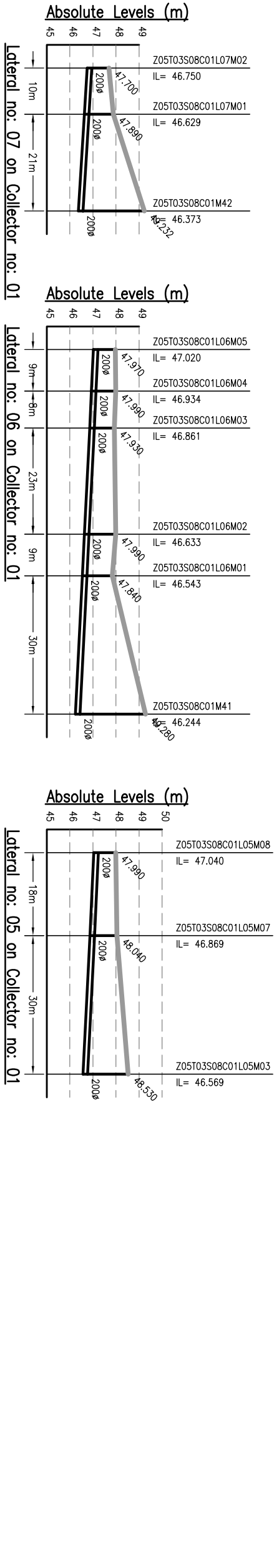
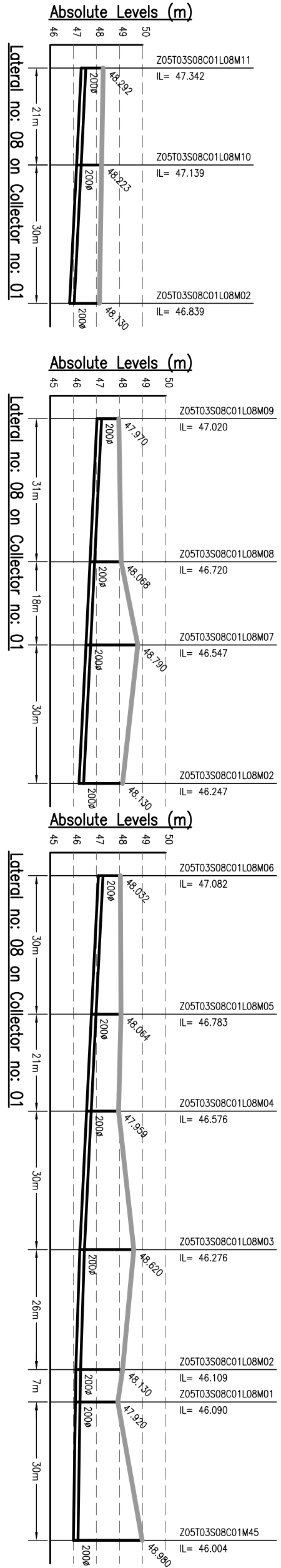
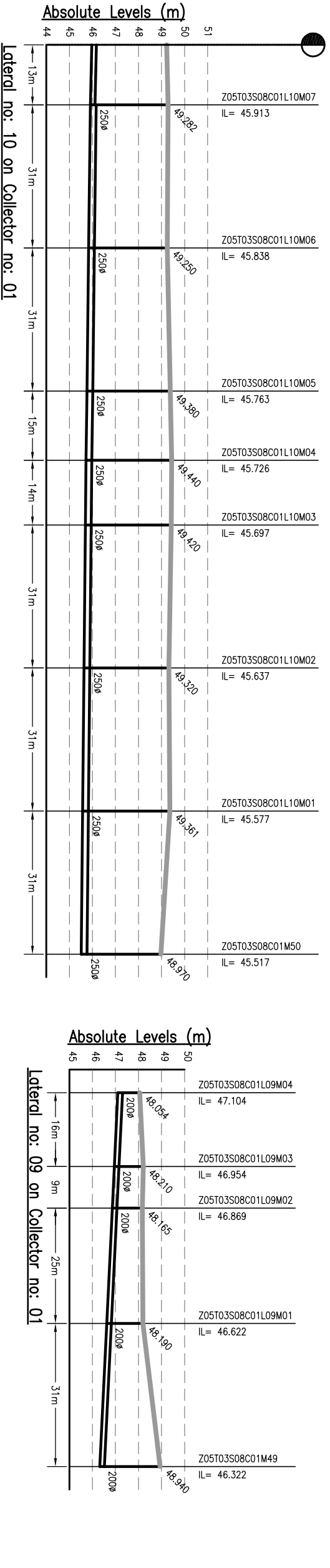
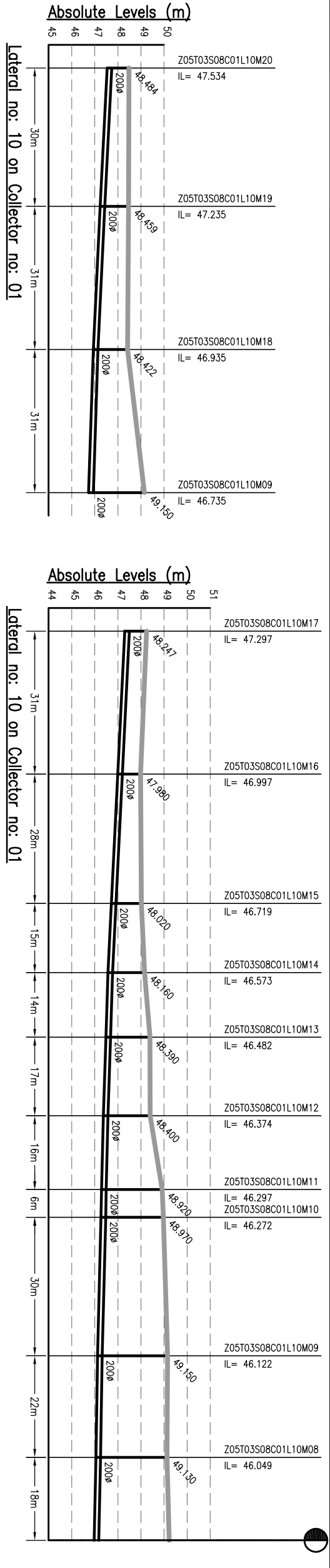
PROJECT:-  
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

CONSULTANT:-  
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DRAWING TITLE  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 16 OF 21)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE
PH	MAY 2013	H-1000, V-200

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-16	00



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4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**

**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**

**TENDERING FOR EXECUTION;**

**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

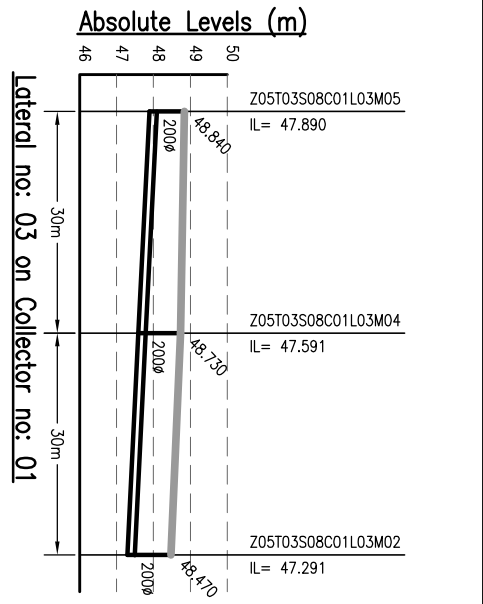
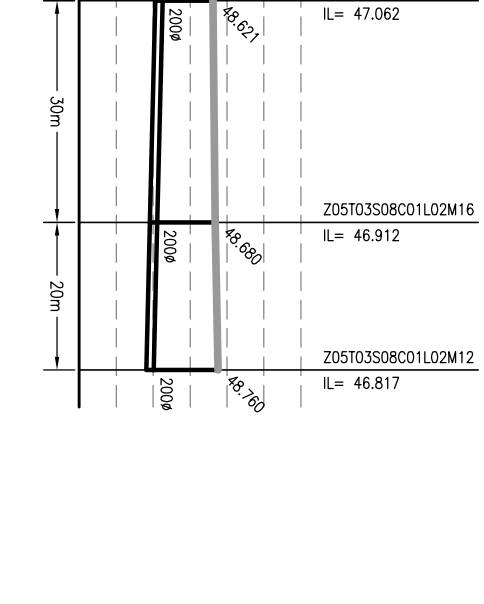
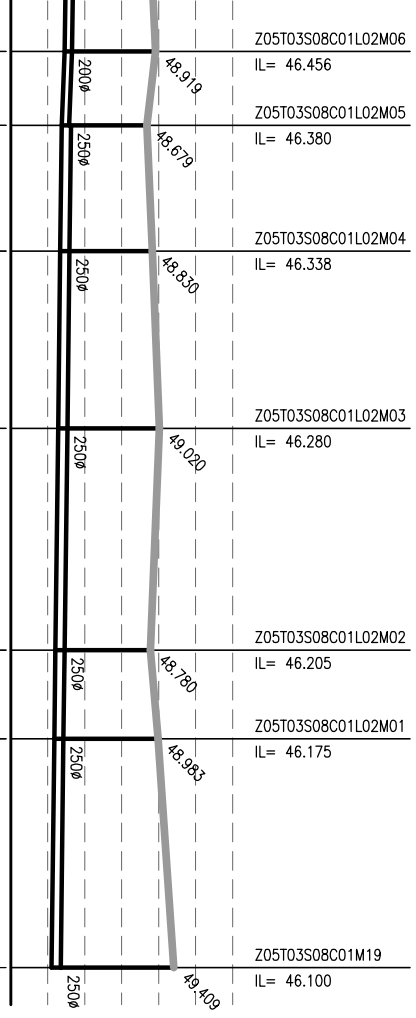
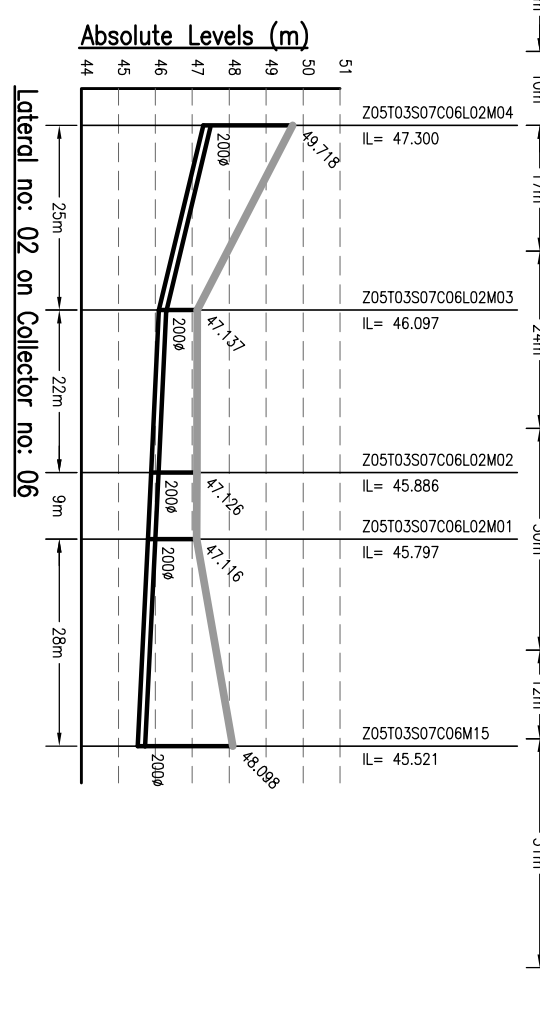
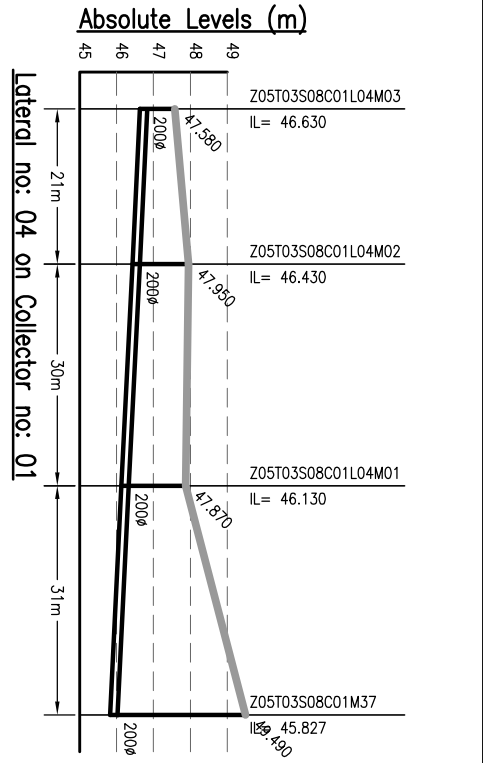
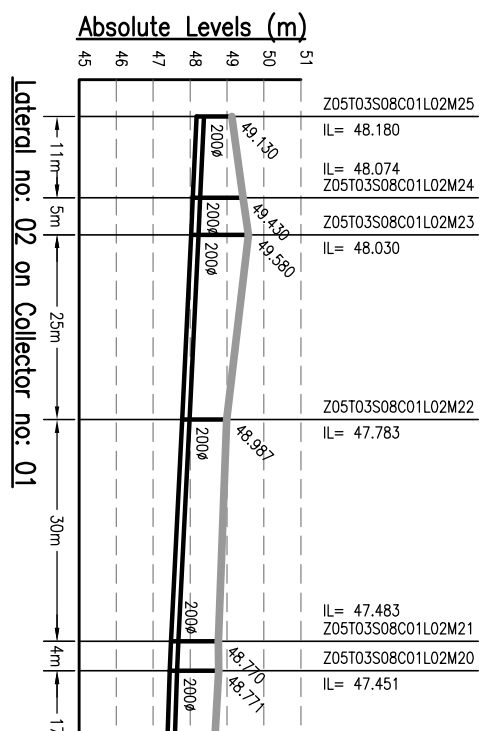
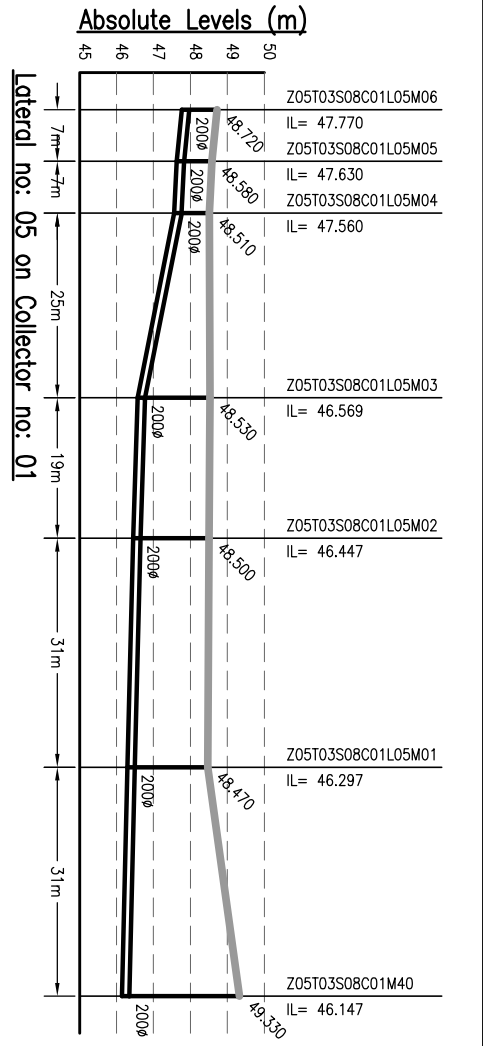
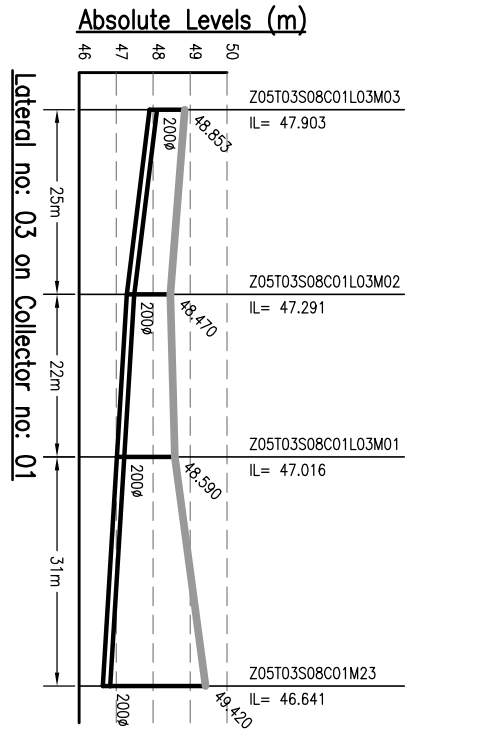
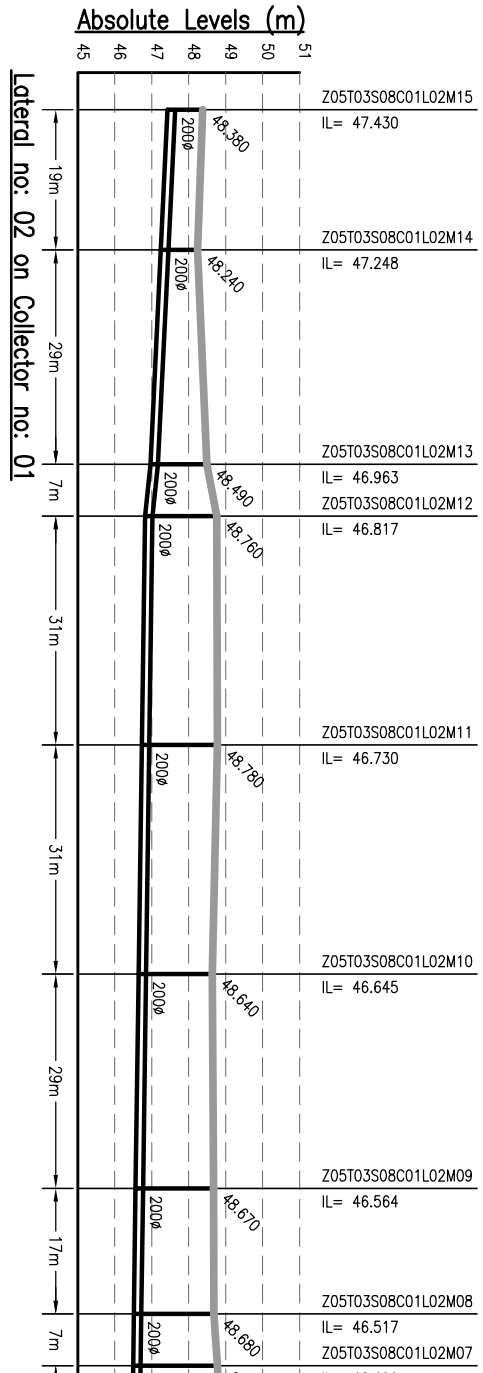
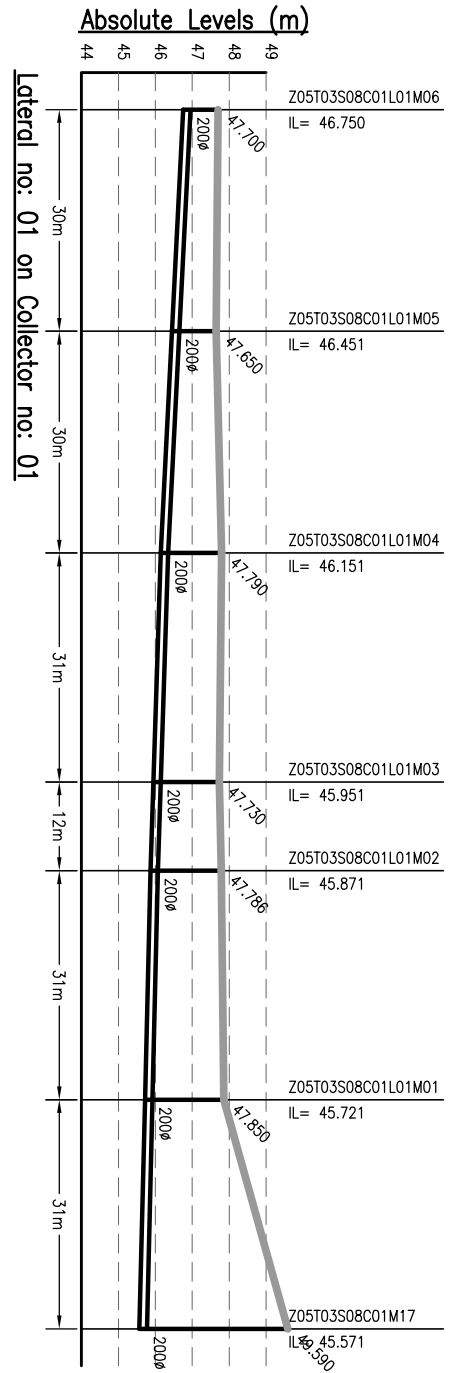
CONSULTANT:-

**MEINHARDT**

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DRAWING TITLE  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 17 OF 21)

DESIGNED	CHECKED	APPROVED	JOB NO.
AH	JR	CRR	1092.01
DATE OF FIRST ISSUE	DATE OF FIRST ISSUE	DATE OF FIRST ISSUE	DISCIPLINE
MAY 2013	MAY 2013	MAY 2013	PH
SCALE: H-1000, V-200	SHEET SIZE: A3	DRAWING NO.	REVISION
		Z5-T3-L-17	00



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Drawing Base Reference:  
**PAC WORK ORDER 3499, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

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**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
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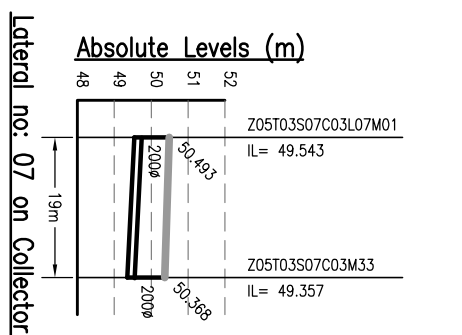
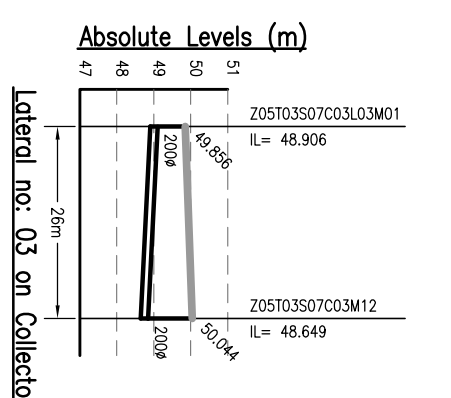
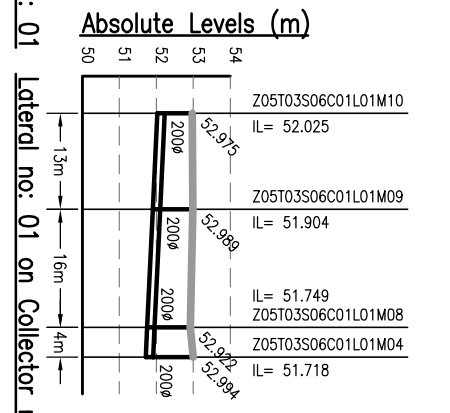
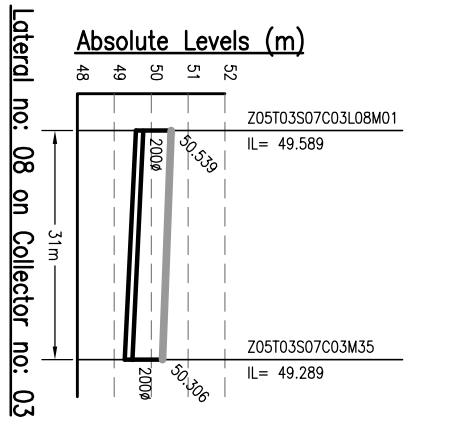
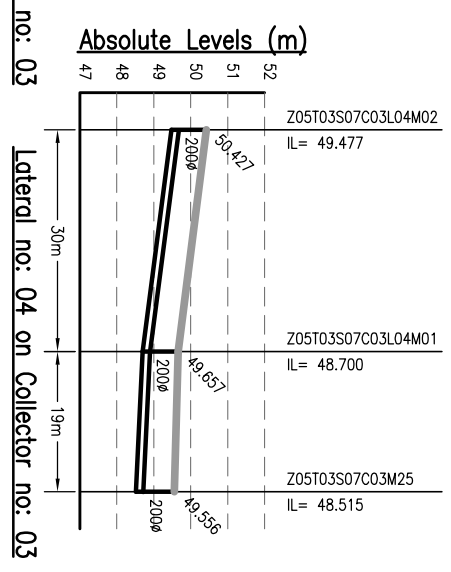
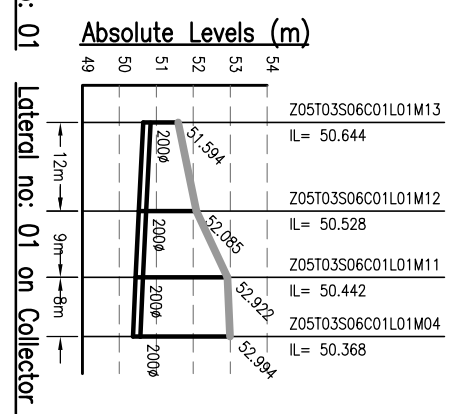
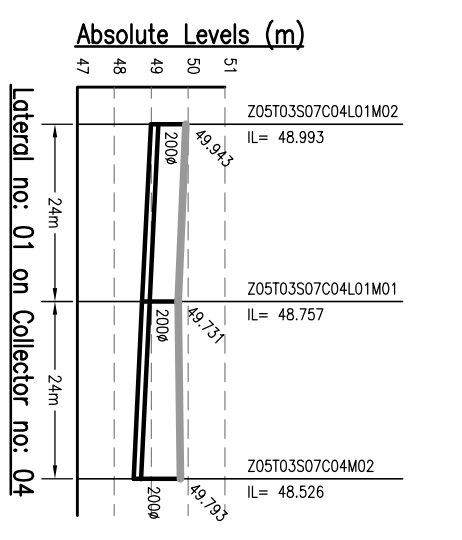
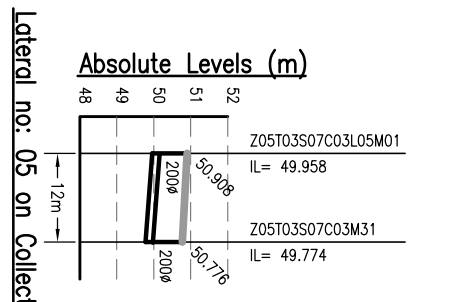
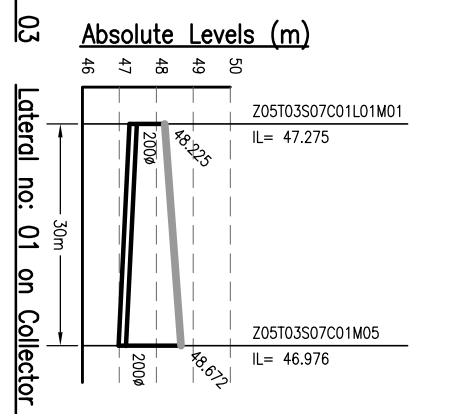
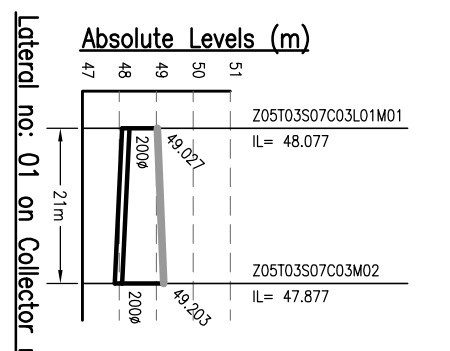
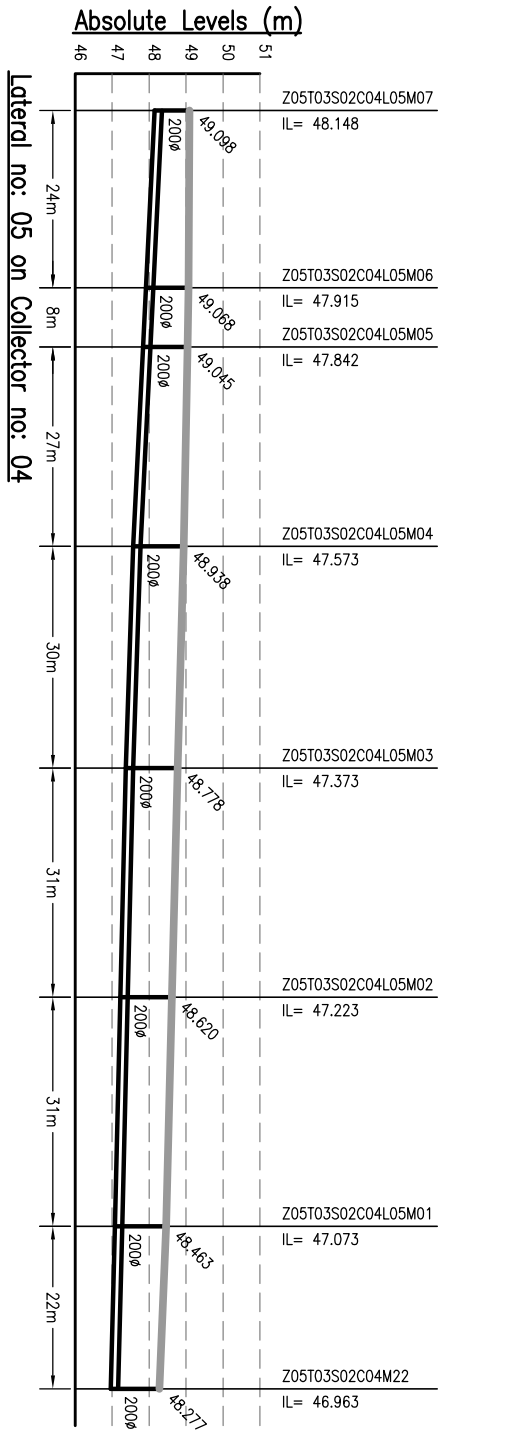
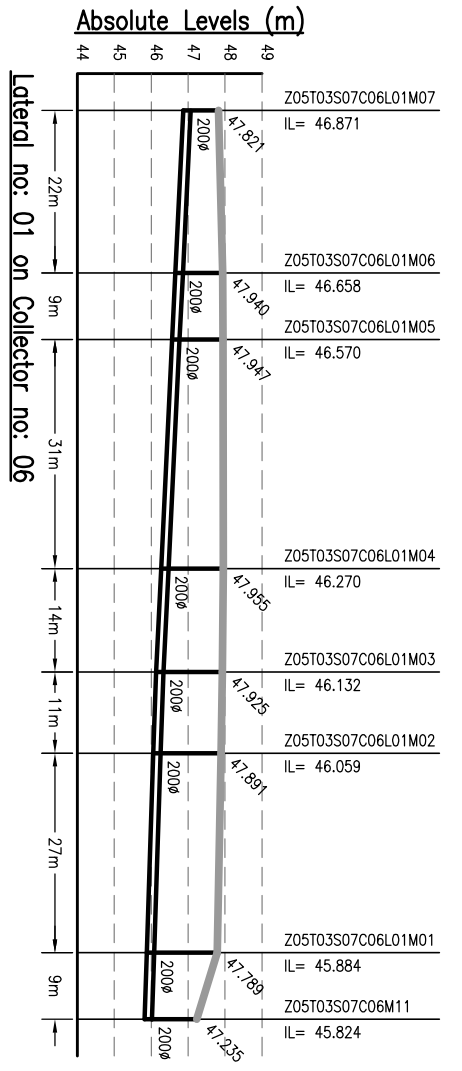
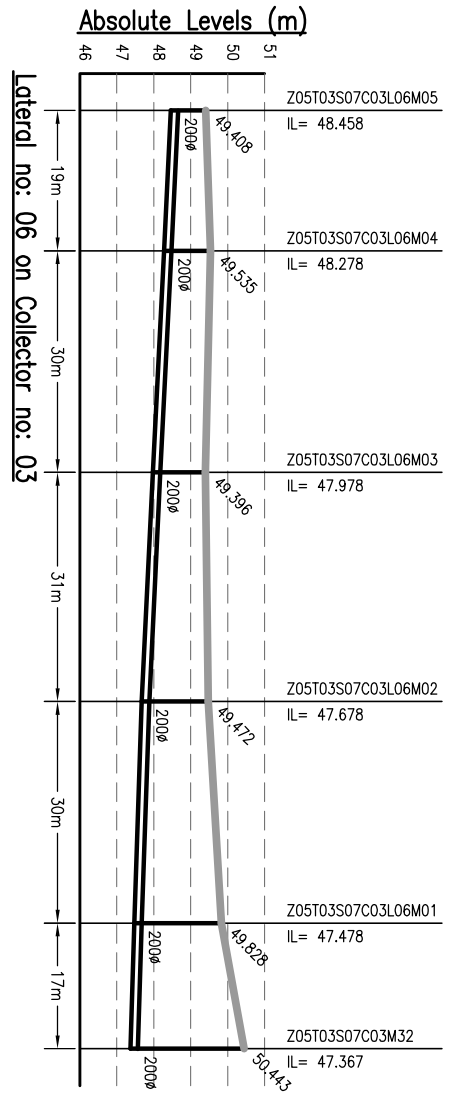
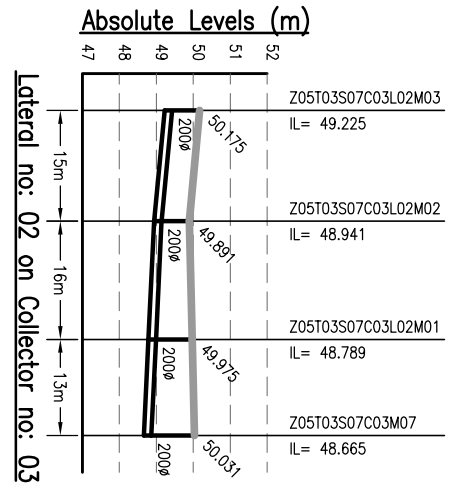
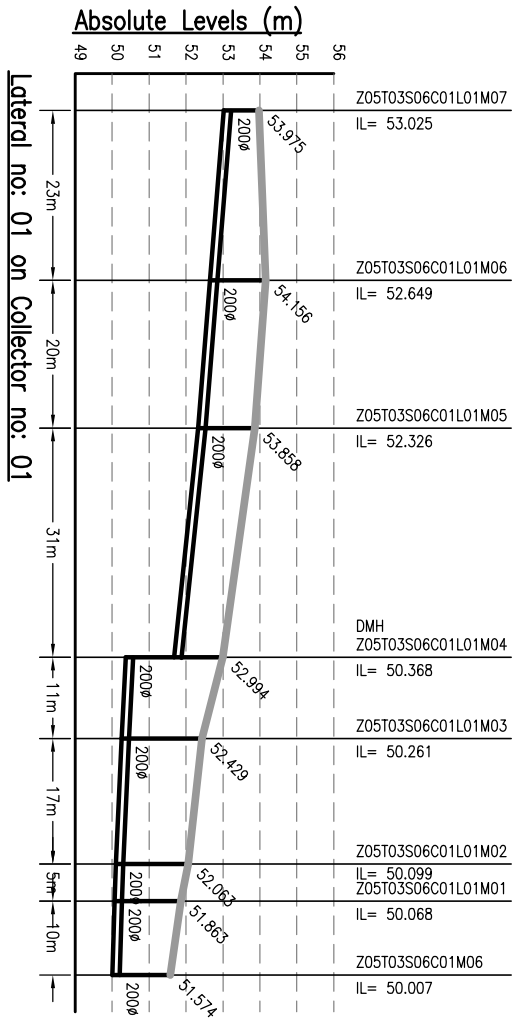
**DRAWING TITLE**  
 SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP) (PART - 18 OF 21)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

DATE OF FIRST ISSUE	SCALE	SHEET SIZE
MAY 2013	H-1000, V-200	A3

DISCIPLINE	DATE	REVISION
PH	Z5-T3-L-18	00





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- REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 & FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Client: BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION

PROJECT: PREPARATION OF DETAILED PROJECT REPORTS (DPR) & BID DOCUMENTS: TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNUJRM

CONSULTANT: MEINHARDT (SINGAPORE) PTE. LTD.

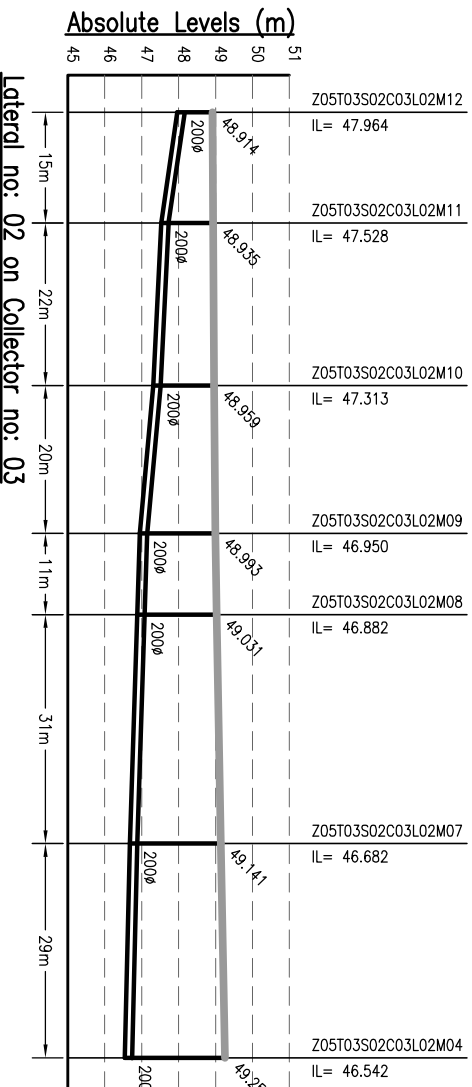
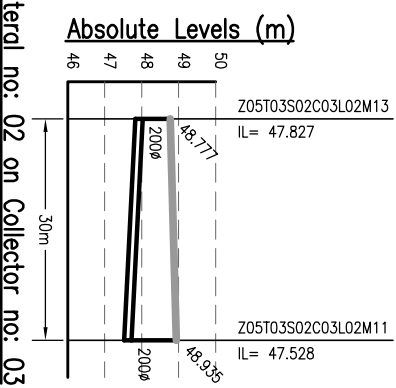
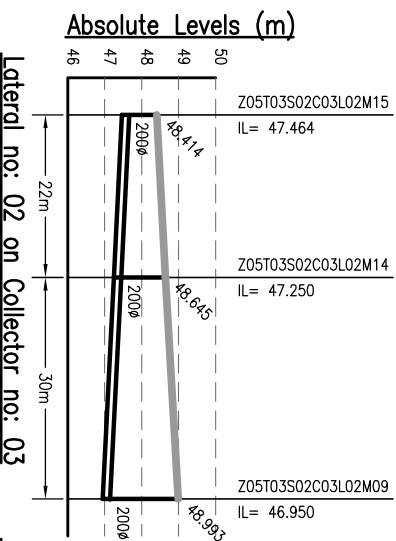
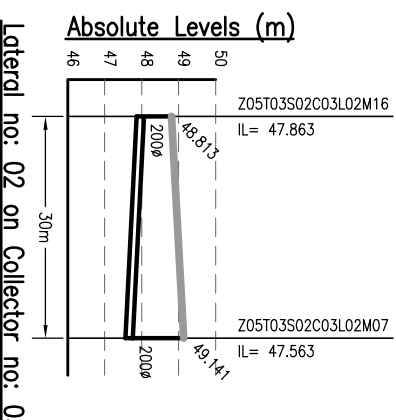
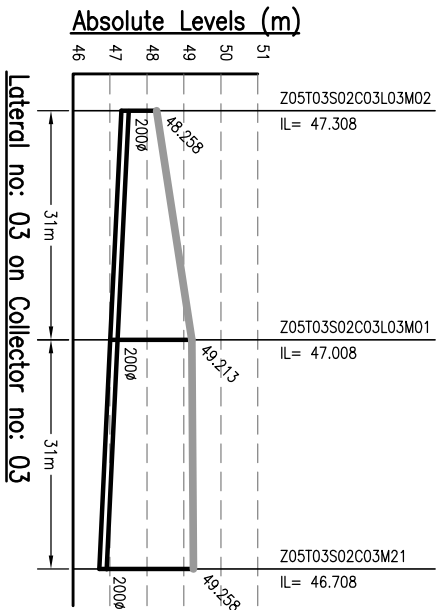
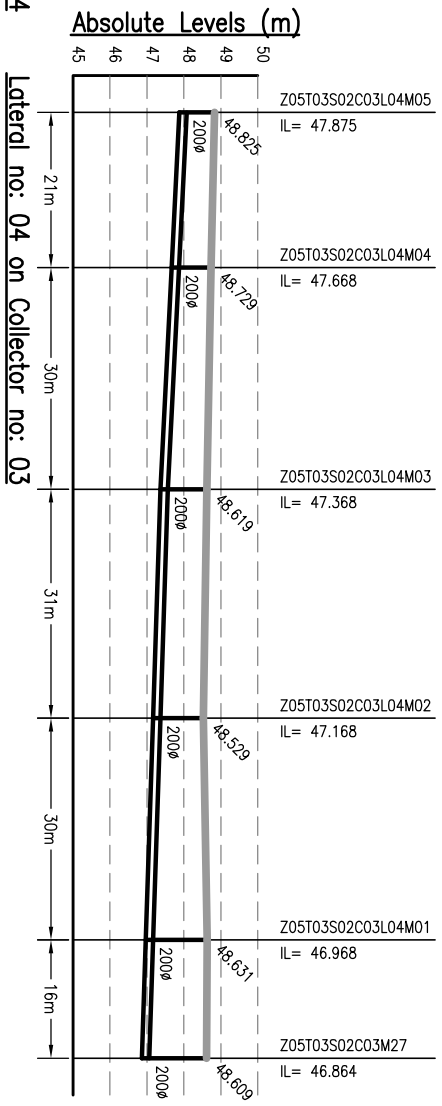
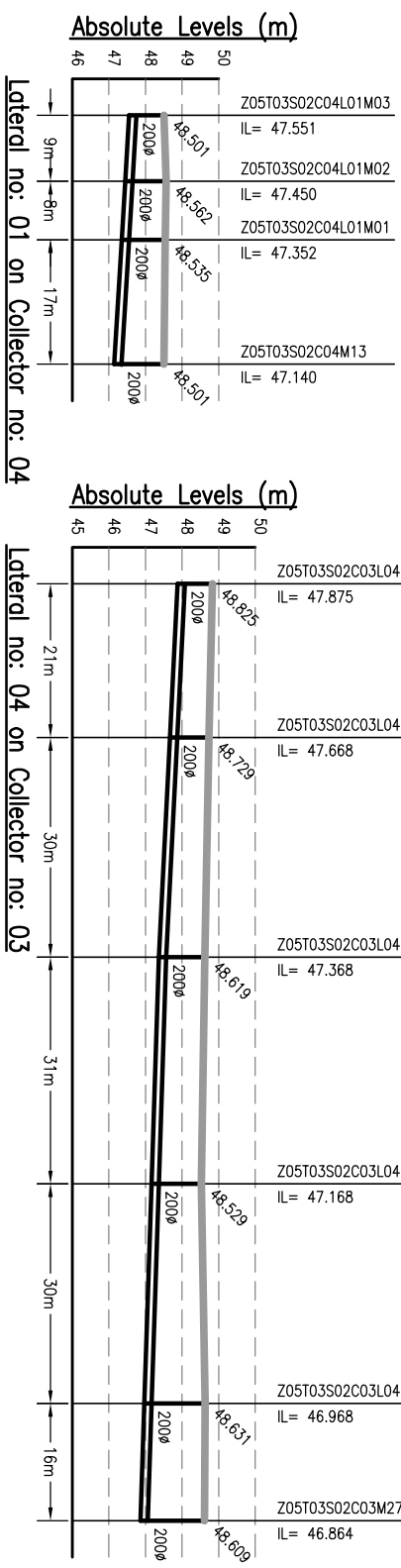
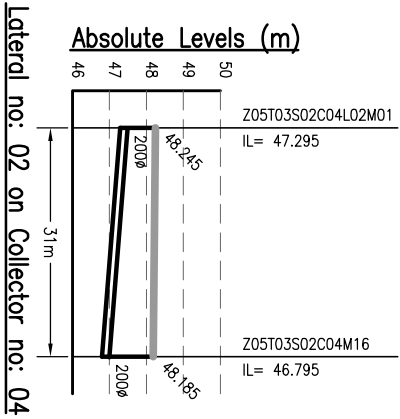
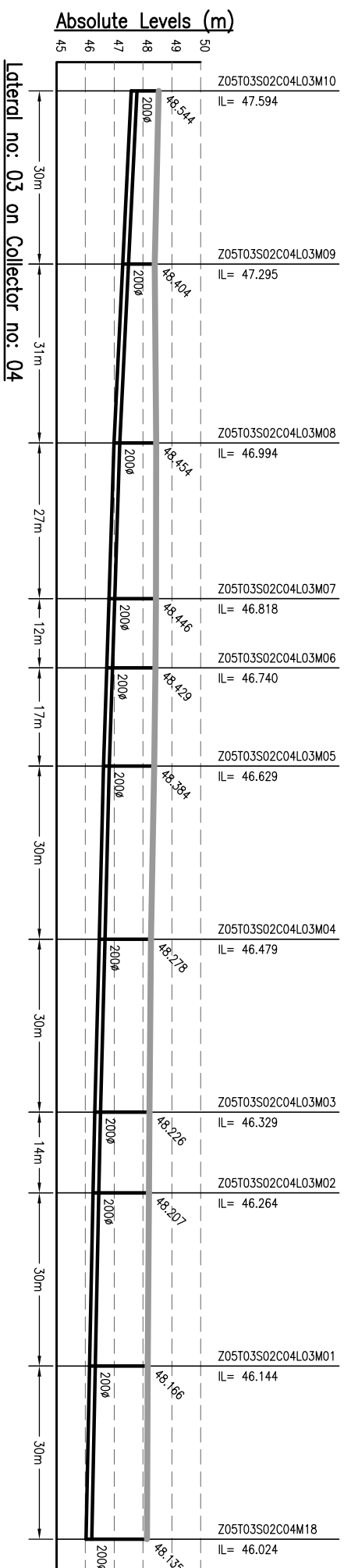
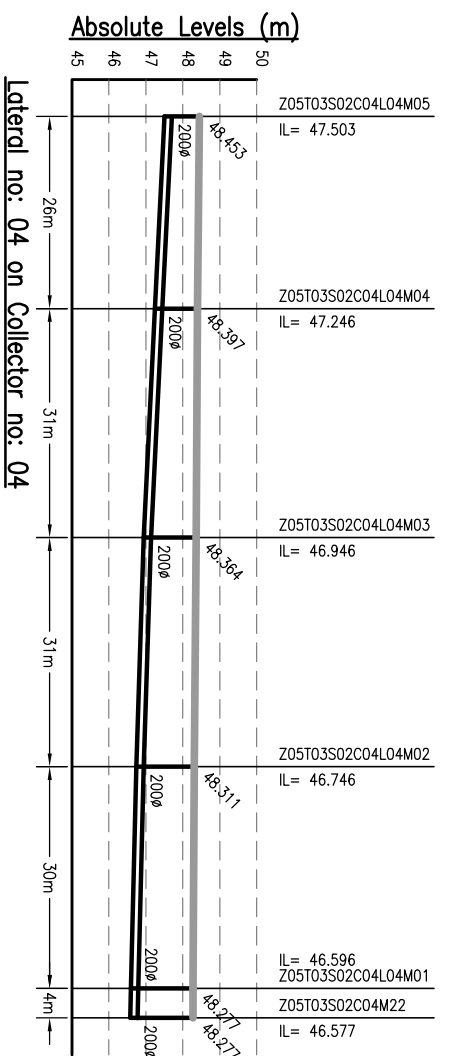
DESIGNED BY: JR MAY 2013

CHECKED BY: RP MAY 2013

APPROVED BY: CRR MAY 2013

JOB NO. 1092.01 PH Z5-T3-L-19

REVISION 00




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  4. REFER DRAWING NO. TO 491 & 1092.01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.

Drafting Base Reference:  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
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 P.O.:- 491 120 2516165, Fax No.:- +91 120 2515745  
 www.urbidc.com, Email:- hnd@meinhardtdia.com

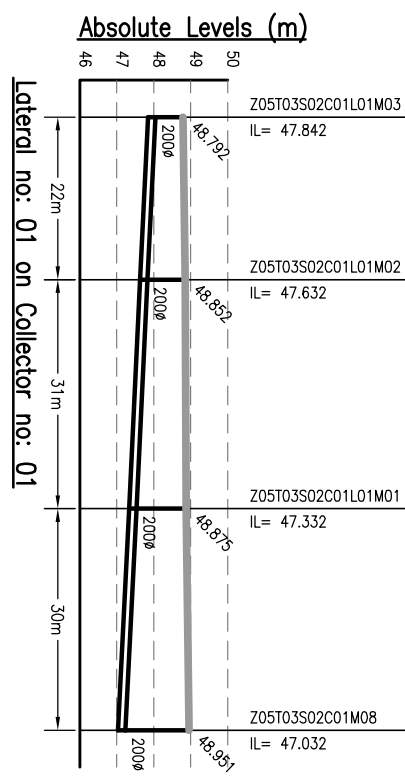
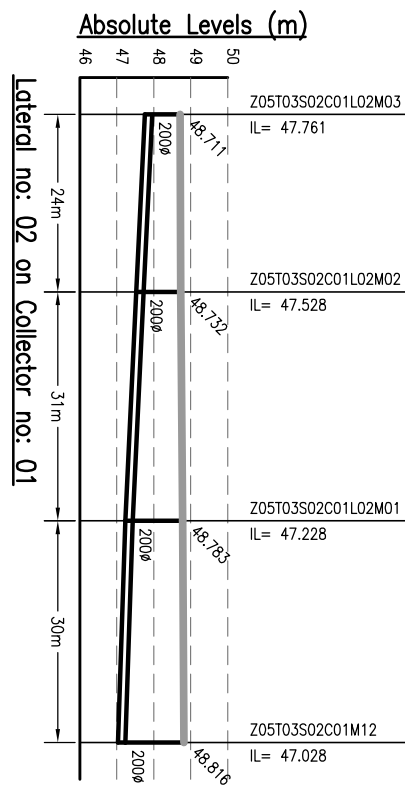
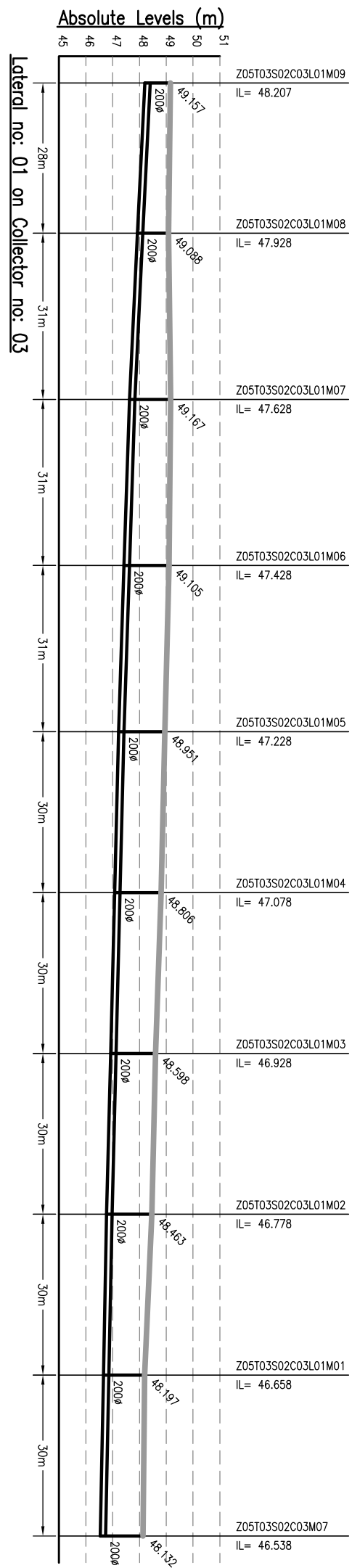
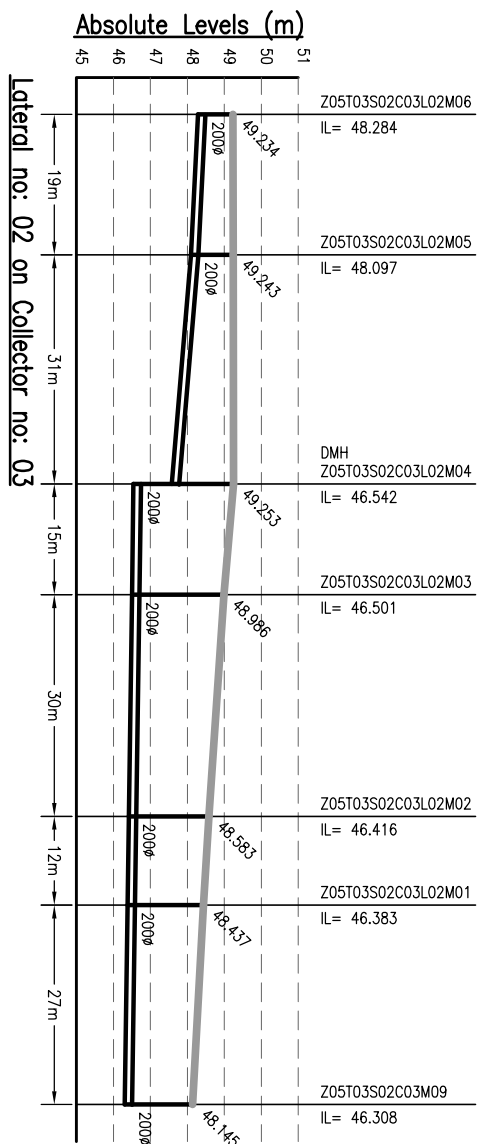
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPR) & BID DOCUMENTS;  
**TENDERING FOR EXECUTION; CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

**CONSULTANT:-**  
  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
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 P.O.:- +91 120 2516165, Fax No.:- +91 120 2515745  
 www.meinhardtgroup.com, Email:- hnd@meinhardtdia.com

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 20 OF 21)

DESIGNED	BY	DATE OF FIRST ISSUE
CHECKED	BY	DATE OF FIRST ISSUE
APPROVED	BY	DATE OF FIRST ISSUE
DISCIPLINE	BY	DATE OF FIRST ISSUE

**JOB NO.:** 1092.01 **PH** **DRAWING NO.:** Z5-T3-1-20 **REVISION:** 00




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  4. REFER DRAWING NO. TO 491 & 1092/01-PH-S-01 TO 491 FOR LOCATION OF MANHOLE AND OTHER DETAILS.


Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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 Phone: +91 120 2516165, Fax No.: +91 120 2515745  
 Website: [www.buidc.co.in](http://www.buidc.co.in)

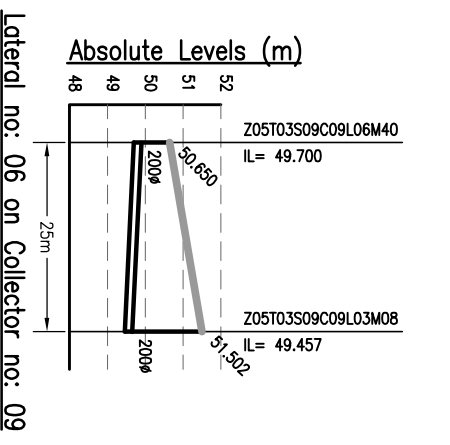
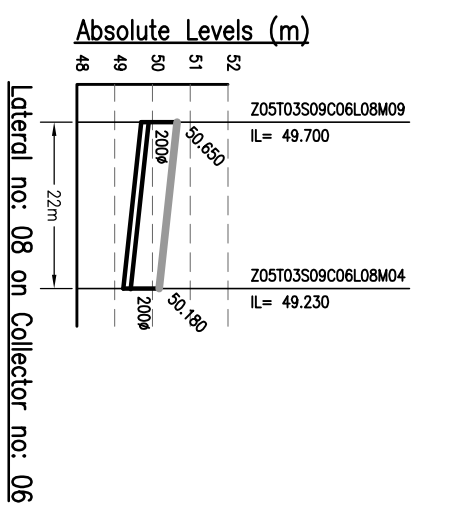
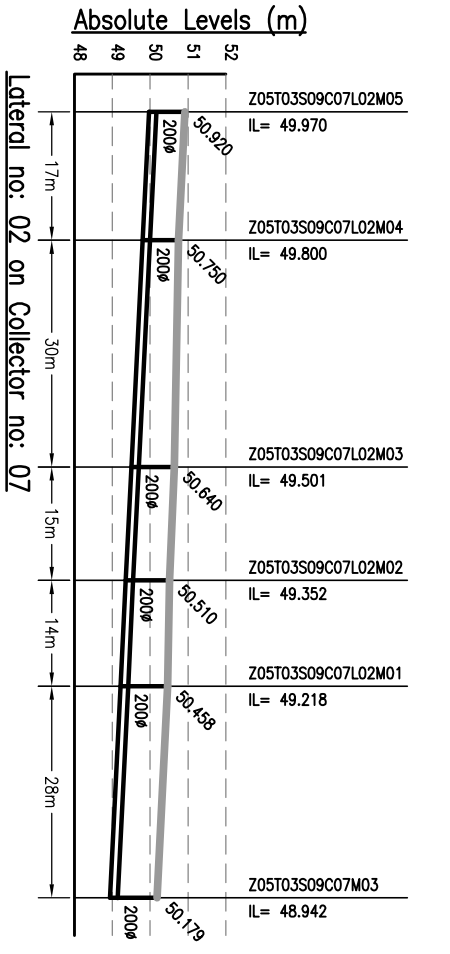
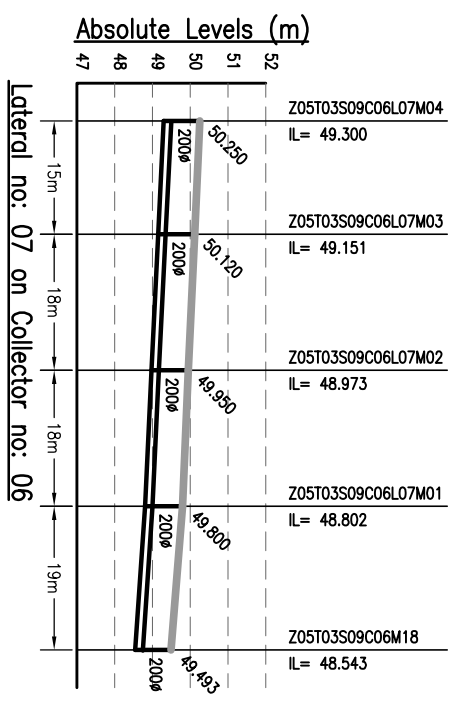
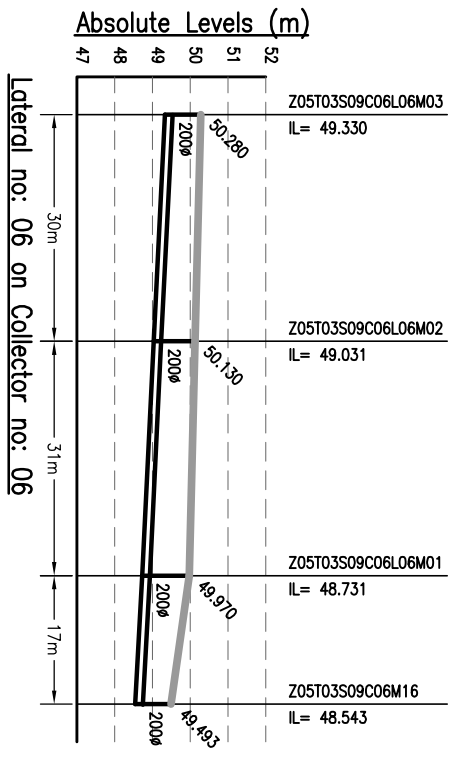
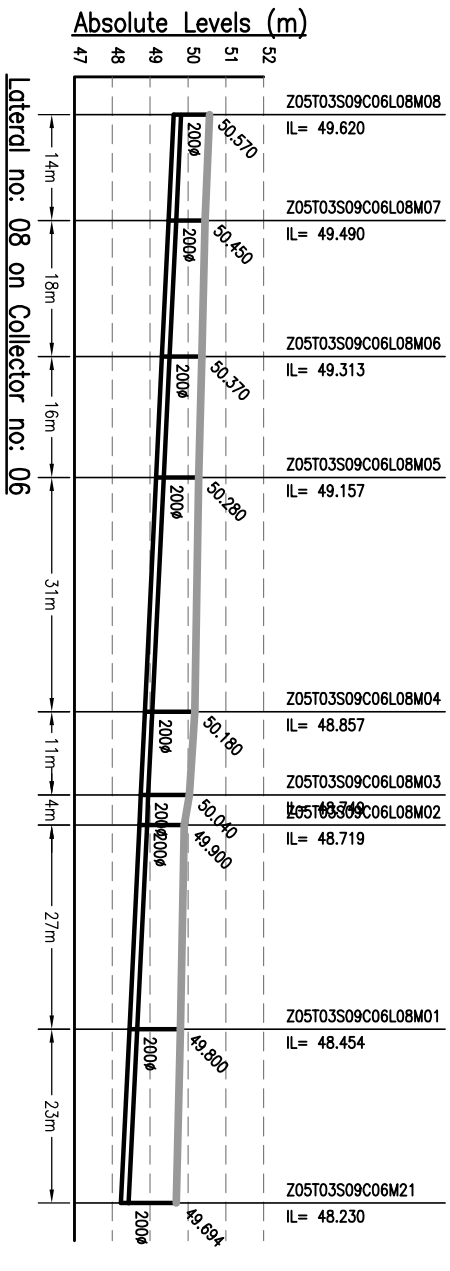
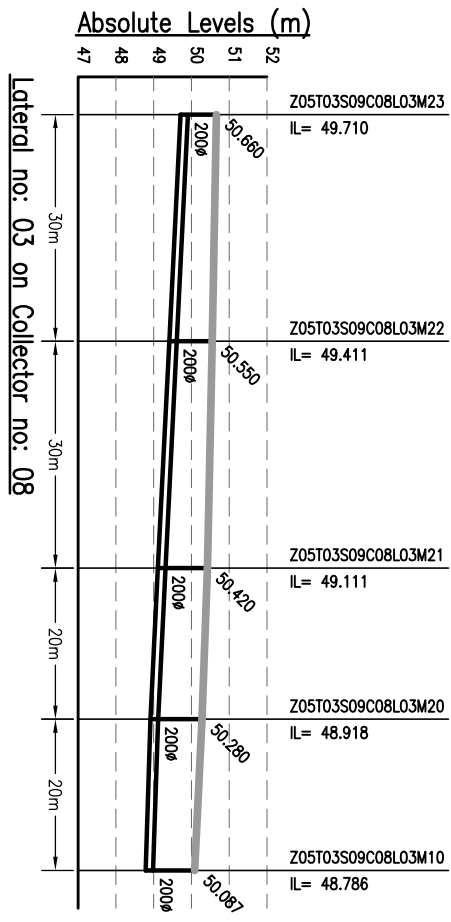
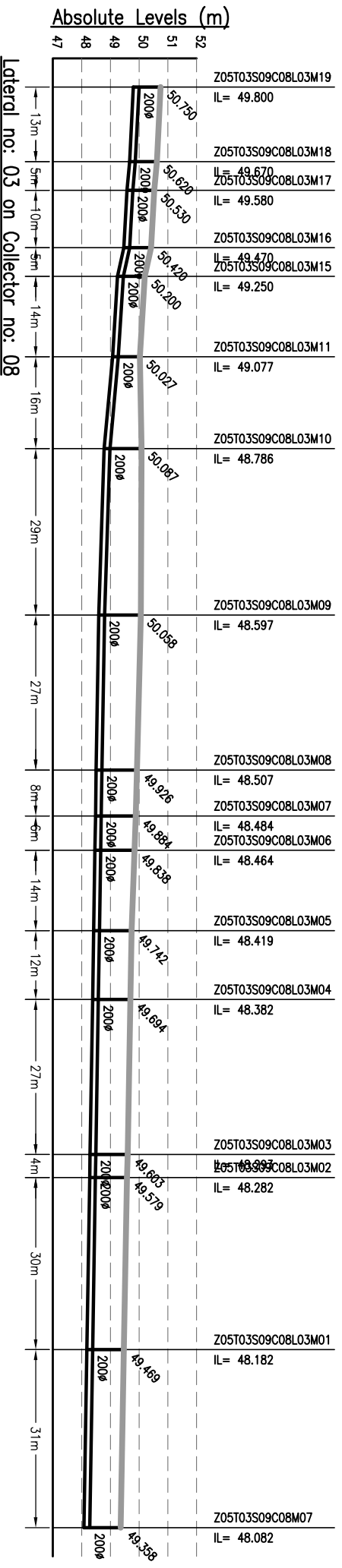
**CONSULTANT:-**  
  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
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**DRAWING TITLE**  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-3 (STP)**  
 (PART - 21 OF 21)

PURPOSE OF ISSUE	SCALE: H-1000, V-200
DRAFT DETAILED PROJECT REPORT	SHEET SIZE: A3
BY: AH	DATE OF FIRST ISSUE: MAY 2013
DESIGNED: JR	MAY 2013
CHECKED: RP	MAY 2013
APPROVED: CRR	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T3-L-21	00





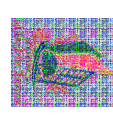
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Drawing Base Reference:  
**PHC WORK ORDER 3498, DATED 15 DECEMBER 2009.**

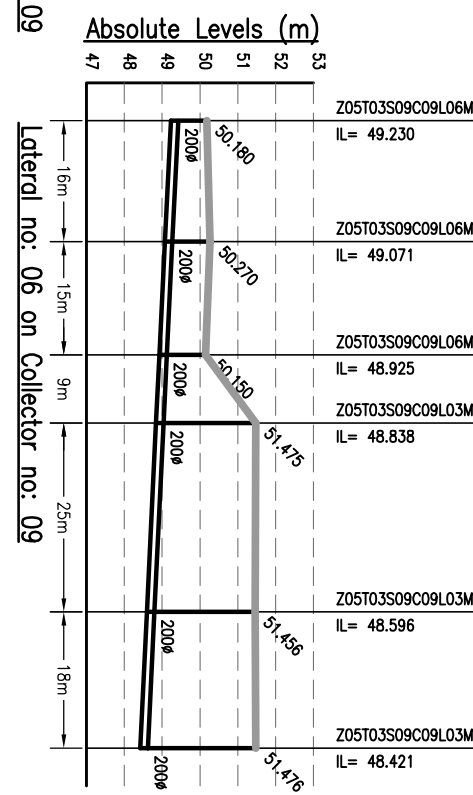
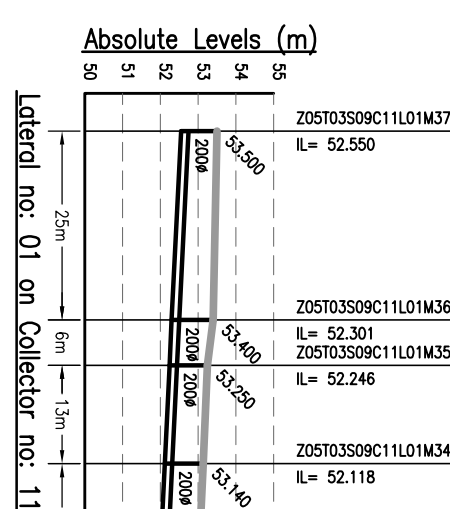
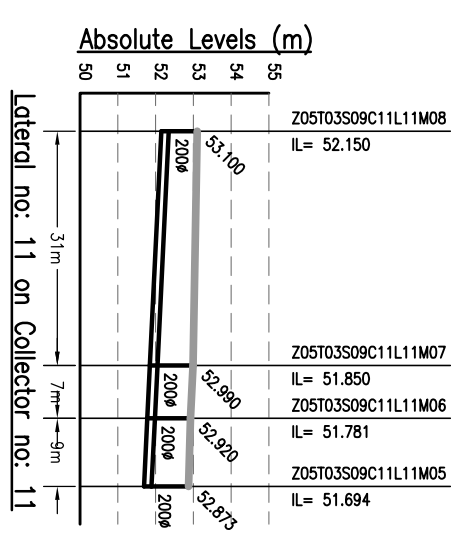
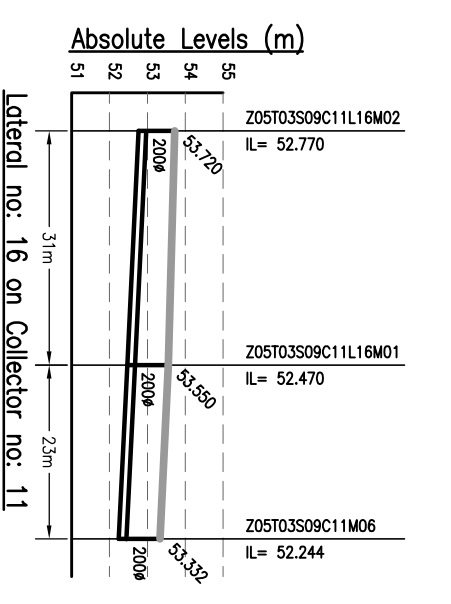
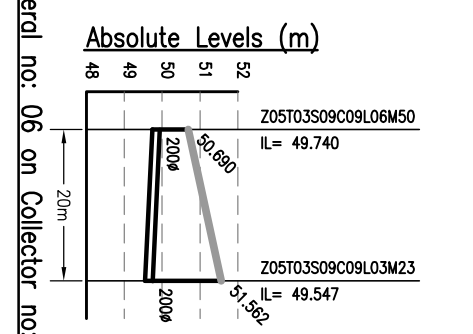
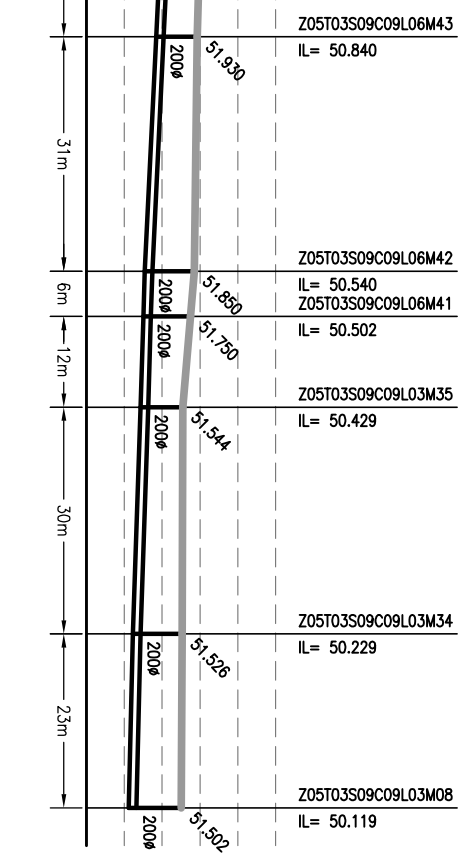
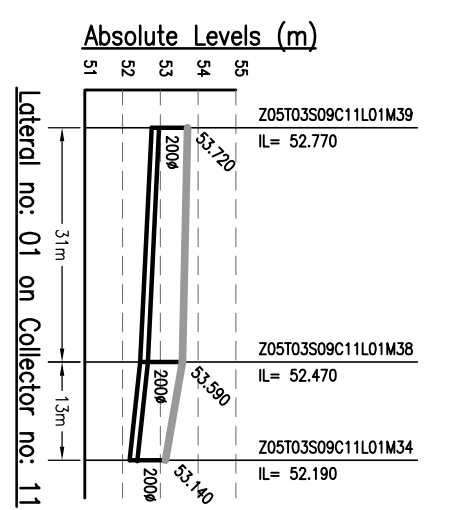
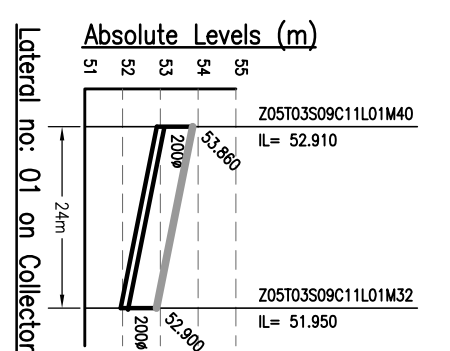
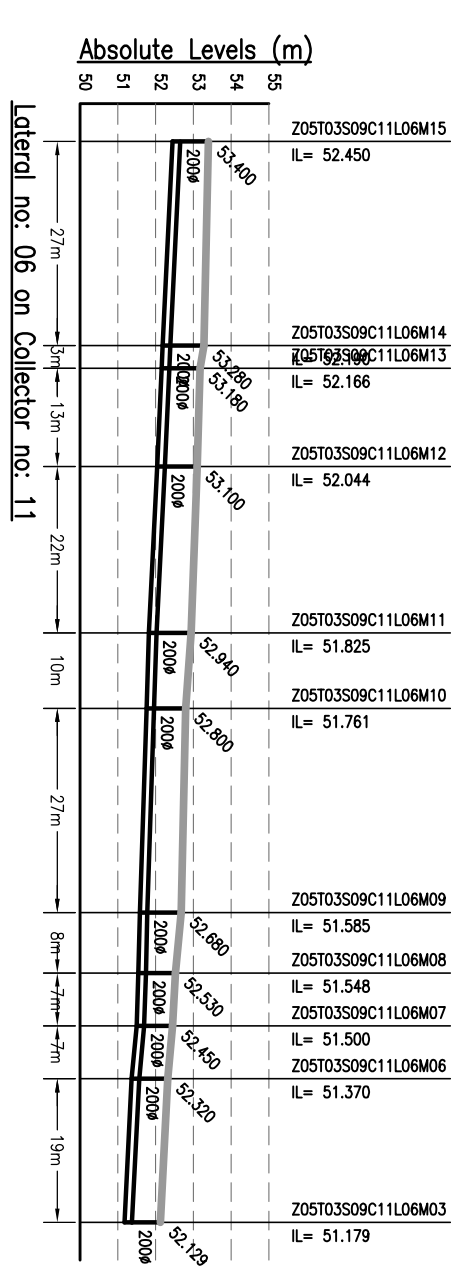
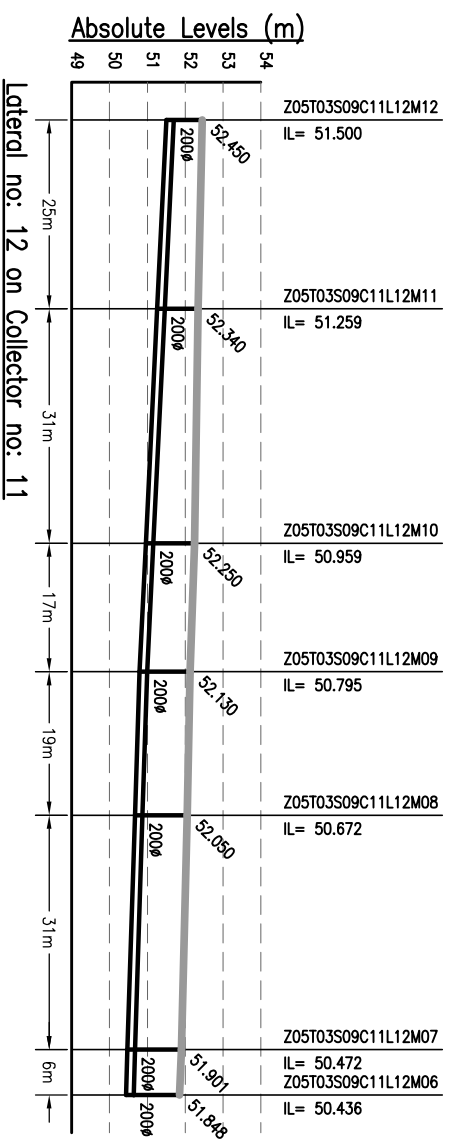
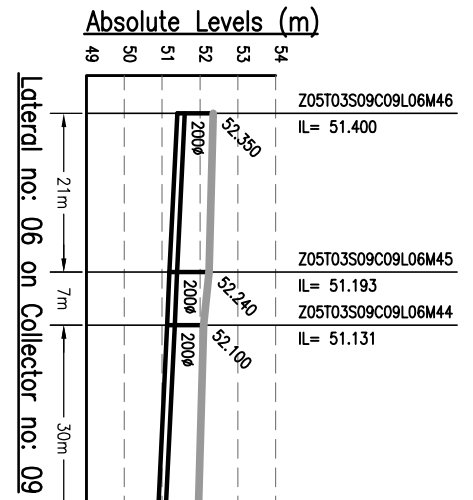
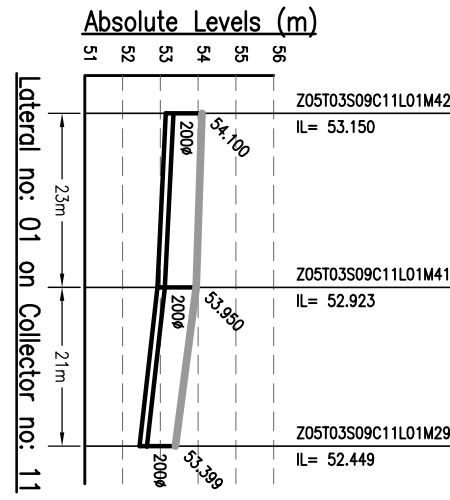
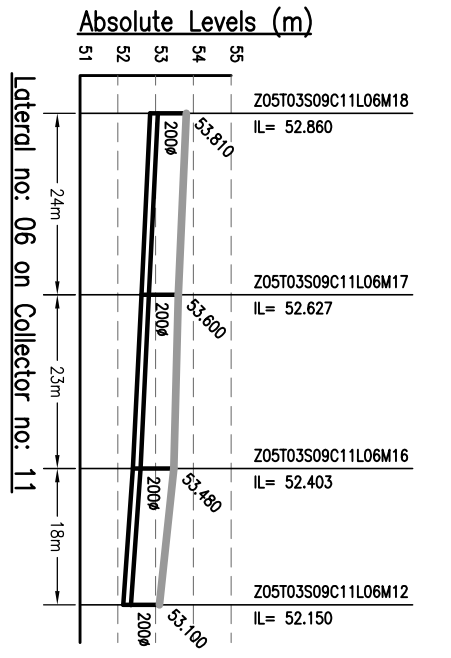
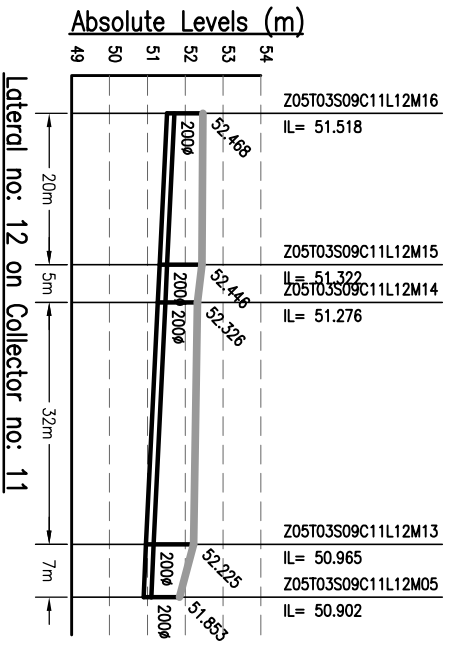
REV	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP
<b>AMENDMENTS</b>				

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 Phone: +65 6722 0101; Fax: +65 6722 0103  
 Website: http://www.mh.com.sg  
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-3 (AGAM KUAN)  
 (PART - 22 OF 24)  
**PURPOSE OF ISSUE**  
 DETAILED PROJECT REPORT (SEWERAGE)  
 SCALE: H-1000, V-200  
 SHEET SIZE: A3  
 DATE OF FIRST ISSUE  
 BY: AH  
 SEPTEMBER 2013  
 DRAWN: AH  
 SEPTEMBER 2013  
 DESIGNED: JR  
 SEPTEMBER 2013  
 CHECKED: RP  
 SEPTEMBER 2013  
 APPROVED: CRB  
 SEPTEMBER 2013  
 JOB NO.: 1092.01  
 DISCIPLINE: PH  
 DRAWING NO.: Z5-T3-L-22  
 REVISION: 00



DATE PLOTTED: 06/09/2013 10:00:00 AM

**CONSULTANT:**  
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 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtindia.com, Email: info@meinhardtindia.com

**DRAWING TITLE:**  
 SEWERAGE  
 L-SECTION OF LATERAL  
 ZONE-5, TRUNK-3 (AGAM KUAN)  
 (PART - 23 OF 24)

**PURPOSE OF ISSUE:**  
 DETAILED PROJECT REPORT  
 (SCHEDULE)

**DRAWN BY:** AH  
**CHECKED BY:** JR  
**APPROVED BY:** CR

**DATE OF FIRST ISSUE:** SEPTEMBER 2013  
**DATE OF THIS ISSUE:** SEPTEMBER 2013

**JOB NO.:** 1092.01  
**DISCIPLINE:** PH  
**DRAWING NO.:** Z5-T3-L-23  
**REVISION:** 00

**CLIENT:**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303, Mahatma Tower, 60/60/1  
 Sector-16, Noida-201301, India  
 Phone: +91 120 2516165, Fax: +91 120 2515745  
 Website: http://www.bidcra.com

**PROJECT:**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE  
 PROJECTS OF PATNA UNDER NGRBA

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**AMENDMENTS**

REV	DATE	NAME	DESCRIPTION	CHKD
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Drawing Base Reference:  
 PHC WORK ORDER 3489 DATED 15 DECEMBER 2009.

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Drawing Base Reference:-  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV/	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

**AMENDMENTS**

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 DEVELOPMENT CORPORATION

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRs) & BID  
 DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION &  
 QUALITY CONTROL OF SEWERAGE  
 PROJECTS OF PATNA UNDER NGRBA

**CONSULTANT:-**

**MENHARDT**

**MENHARDT (SINGAPORE) PTE. LTD.**  
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 Ph.:- +91 120 2516166, Fax No.:- +91 120 2515745  
 www.menhartdgroup.com, Email:-info@menhardtindia.com

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-3 (AGAM KUAN)**  
 (PART - 24 OF 24)

PURPOSE OF ISSUE		SCALE :- H-1000, V-200	
DETAILED PROJECT REPORT (SEWERAGE)		SHEET SIZE :- A3	
BY	DATE OF FIRST ISSUE	BY	DATE OF FIRST ISSUE
AAH	SEPTEMBER 2013	AAH	SEPTEMBER 2013
DESIGNED	JP	SEPTEMBER 2013	
CHECKED	RP	SEPTEMBER 2013	
APPROVED	CRR	SEPTEMBER 2013	
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
10922.01	PH	Z5-T3-L-24	00

