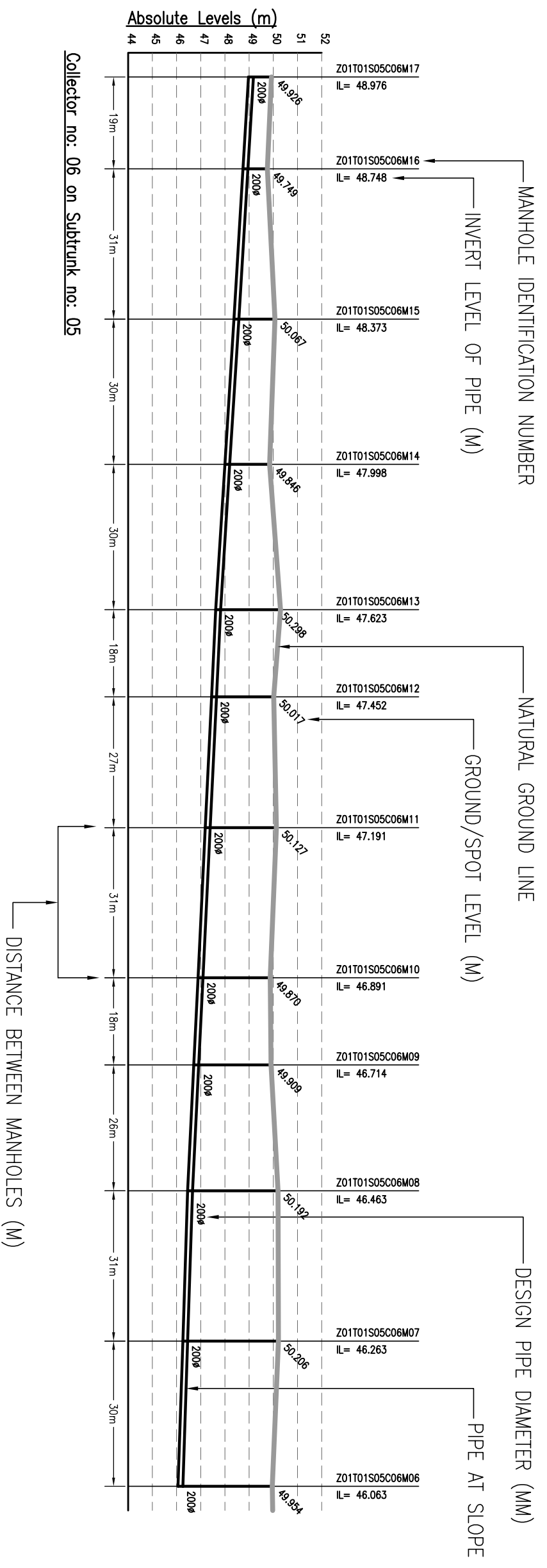


**ZONNE-5 (AGAMIKUAN)  
(PACKAGE-7)**

# L-SECTIONS



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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

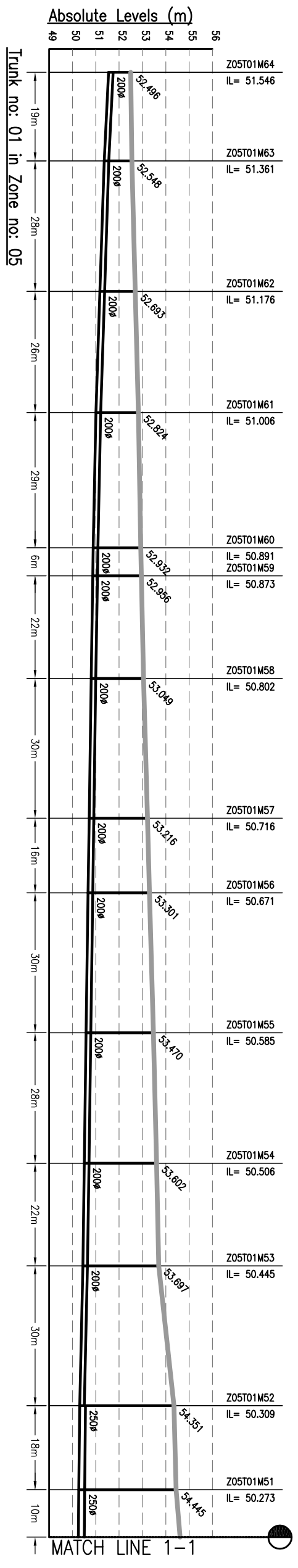
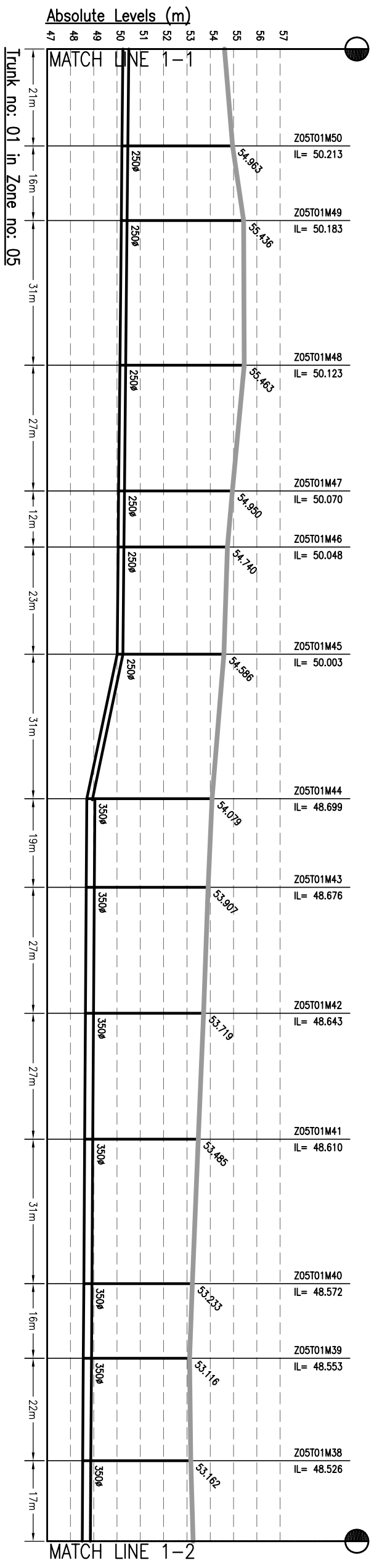
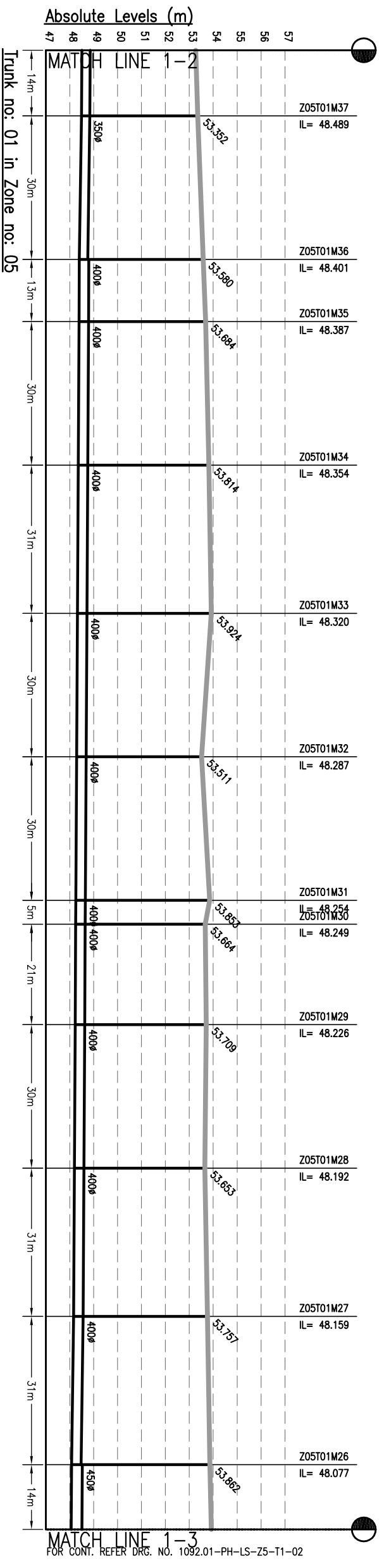


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**CONSULTANT:-**  
**MENHARDT**  
 MENHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516166, Fax No.: +91 120 2515745  
 www.menhardtdrupal.com, Email:-info@menhardtdrupal.com

**L-SECTION DESCRIPTION SHEET**  
**(SEWERAGE)**

PURPOSE OF ISSUE		SCALE :- H-1000, V-200
DETAILED PROJECT REPORT (SEWERAGE)		SHEET SIZE :- A3
BY	DATE OF FIRST ISSUE	
DRAWN	AH	SEPTEMBER 2013
DESIGNED	JR	SEPTEMBER 2013
CHECKED	RP	SEPTEMBER 2013
APPROVED	CRR	SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	DS-01
		REVISION
		00



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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

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**CONSULTANT:**  
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 BIHAR

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

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

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

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

**SHEET SIZE:** A3

**DATE OF FIRST ISSUE:** SEPTEMBER 2013

**DATE OF THIS ISSUE:** SEPTEMBER 2013

**DESIGNED:** MS

**CHECKED:** RP

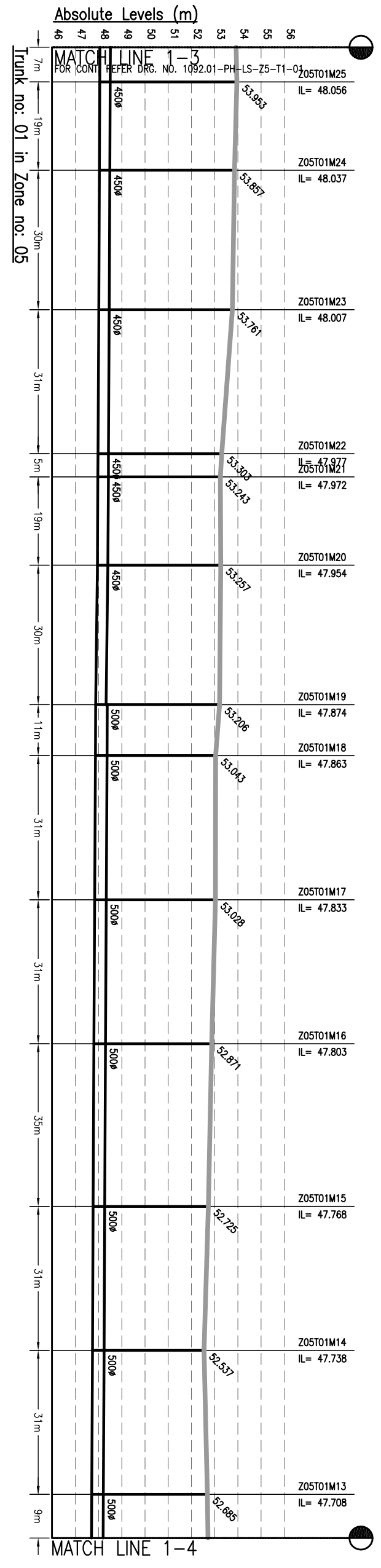
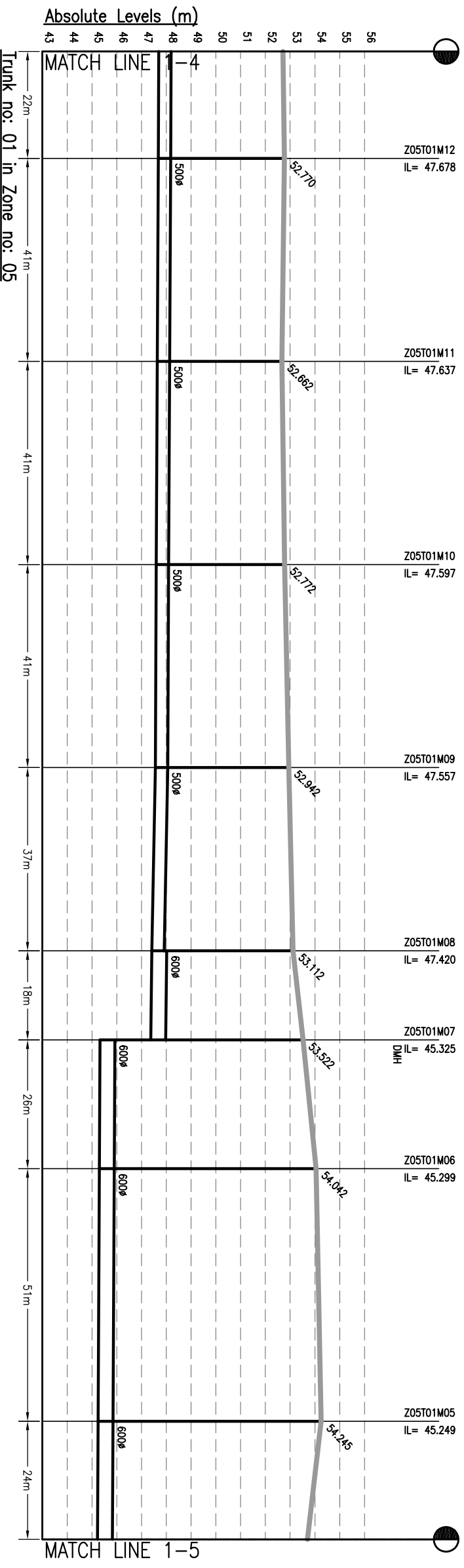
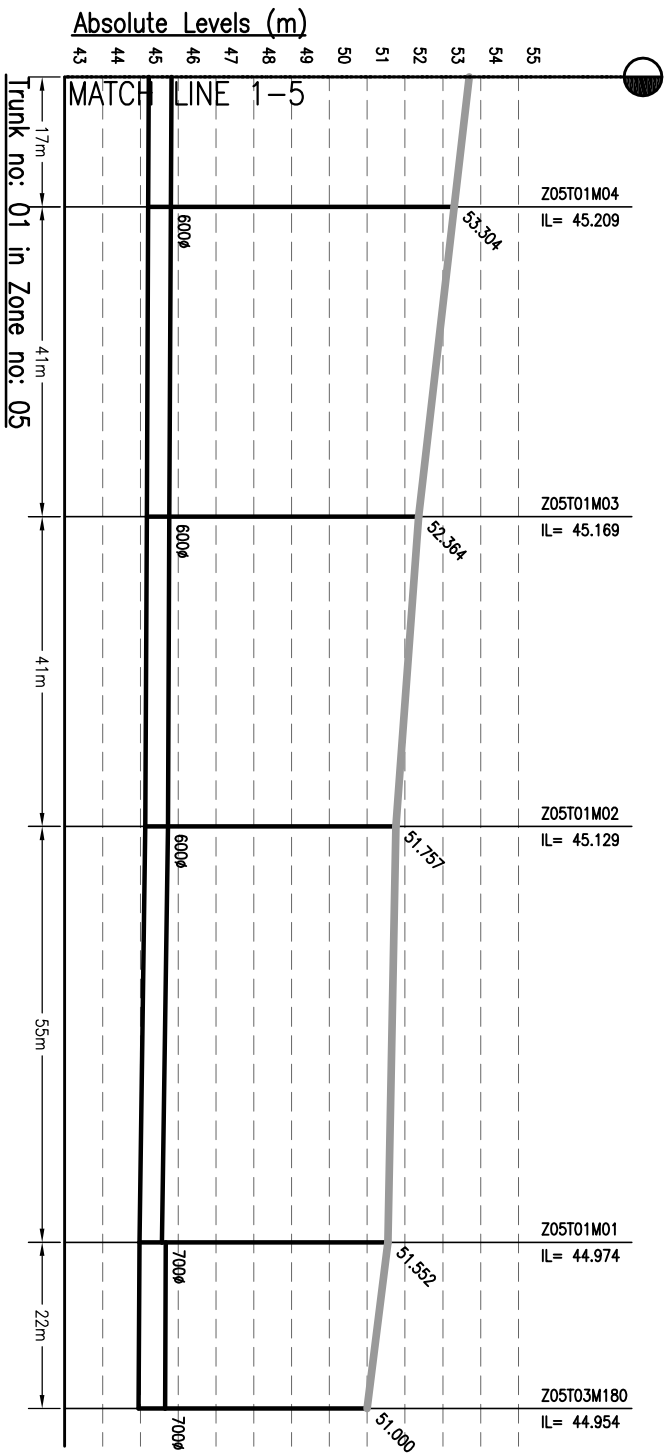
**APPROVED:** CR

**DISCIPLINE:** PH

**DRAWING NO.:** Z5-11-01

**REVISION:** 00

**JOB NO.:** 1092.01



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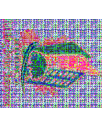
Drawing Base Reference:  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

REV	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP
01				

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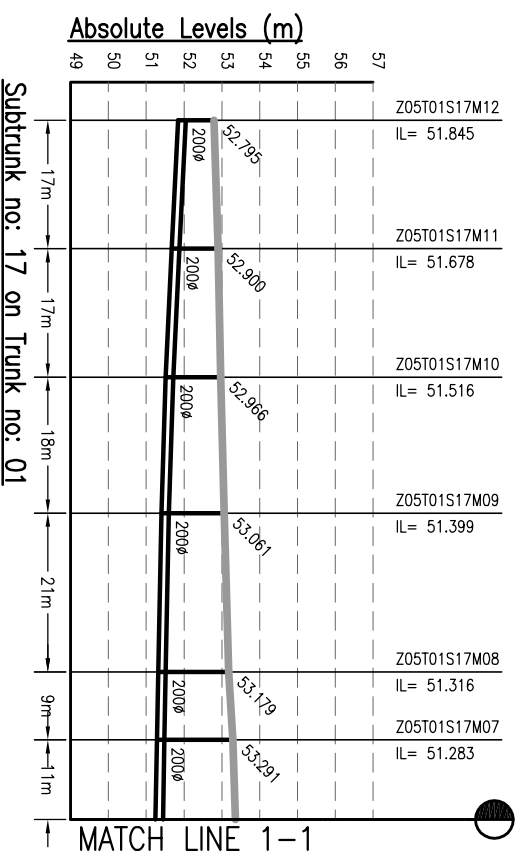
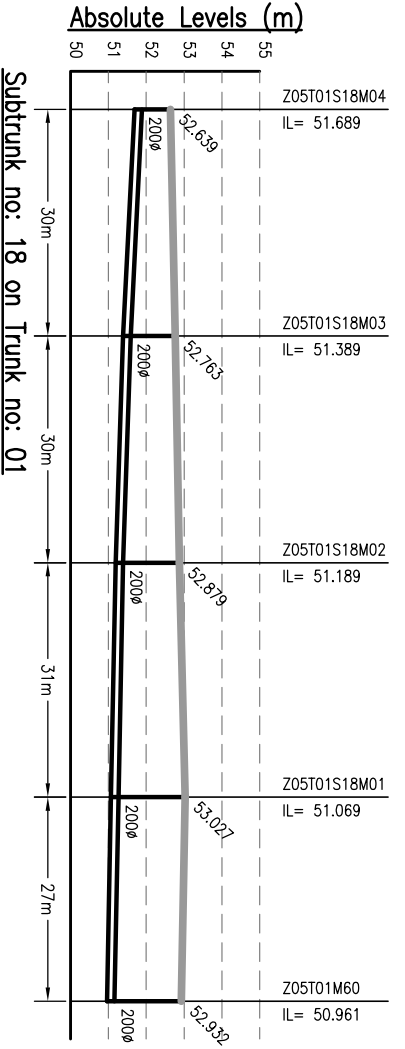
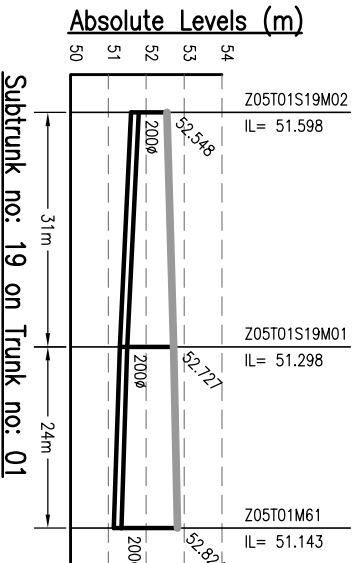
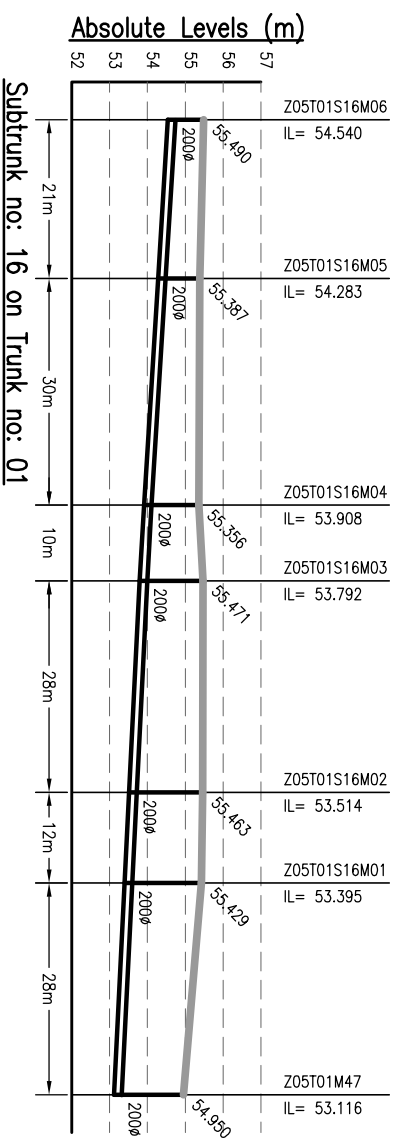
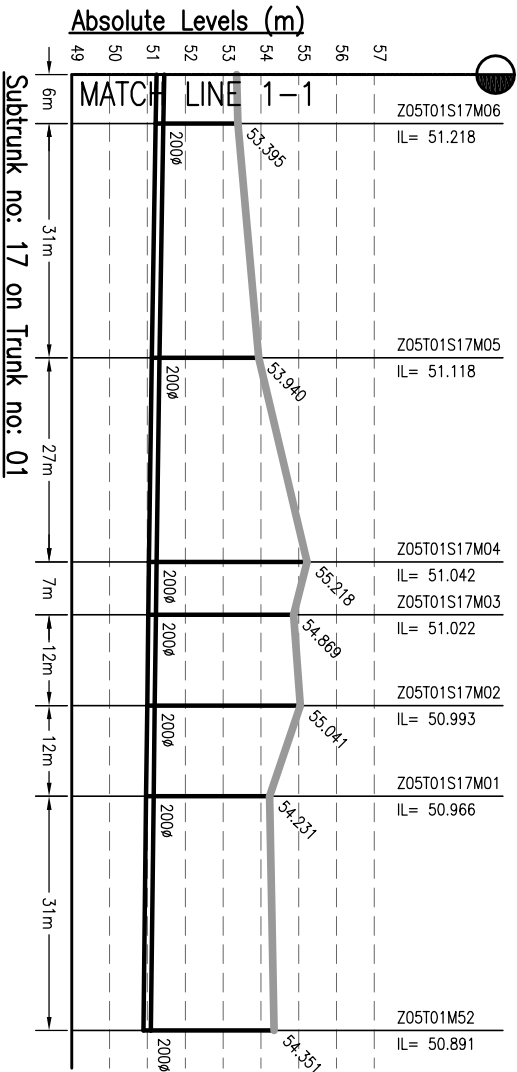
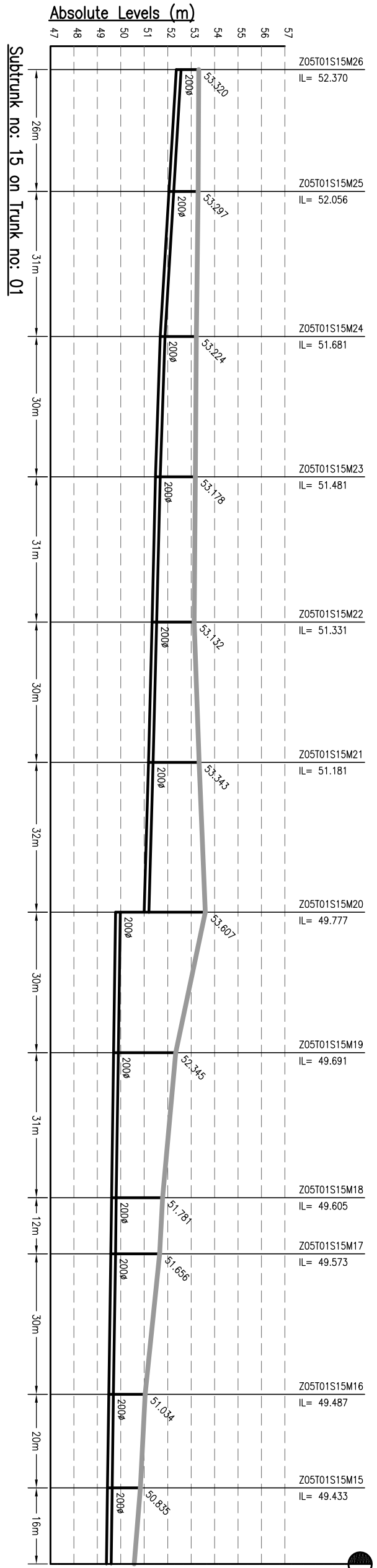
PROJECT:-  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

CONSULTANT:-  
**MENHARDT**  
 MENHARDT (SINGAPORE) PTE. LTD.  
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DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF TRUNK**  
**ZONE-5, TRUNK-1 (AGAM KUAN)**  
 (Part - 2 of 2)

PURPOSE OF ISSUE  
 DETAILED PROJECT REPORT (SEWERAGE)

SCALE	H-1000, V-200
SHEET SIZE	A3
DATE OF FIRST ISSUE	SEPTEMBER 2013
BY	AH
DESIGNED	MS
CHECKED	RP
APPROVED	CR
JOB NO.	1092.01
DISCIPLINE	PH
DRAWING NO.	Z5-11-02
REVISION	00



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-S-02

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

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

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SINGAPORE PTE. LTD.  
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Marina Bay Sands  
Singapore 039593  
Phone: +65 6733 0101 Fax: +65 6733 0103  
Website: [www.meinhardt.com](http://www.meinhardt.com)

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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:-**

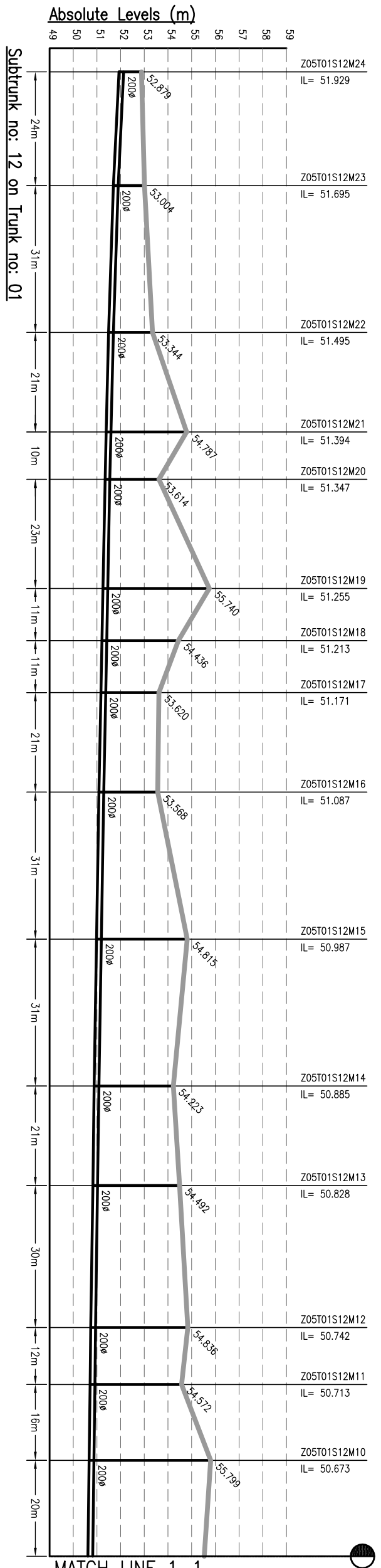
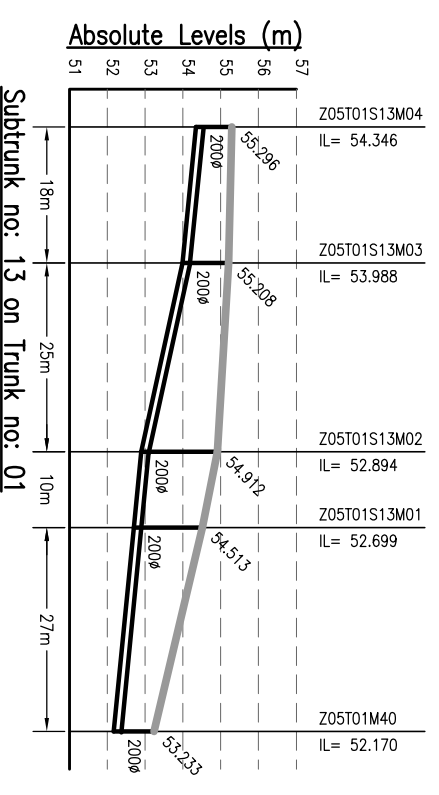
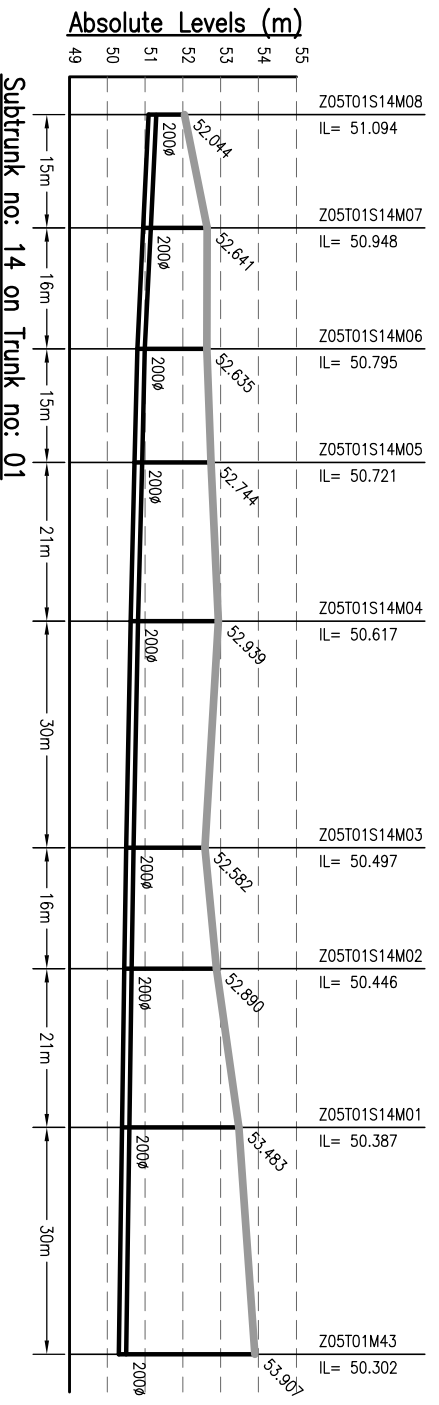
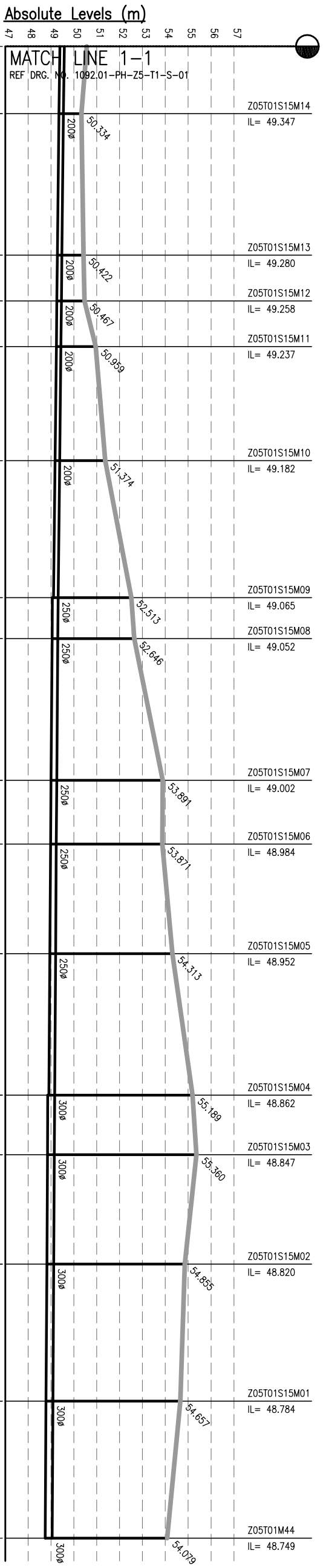
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**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF SUB-TRUNK  
ZONE-5, TRUNK-1 (SPS-A)  
(Part - 1 of 8)

DESIGNED	CHECKED	APPROVED	JOB NO.
JR	RP	CRR	1092.01

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

REVISION	NO.	DATE	DESCRIPTION
00	01	MAY 2013	Z5-T1-S-01



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-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:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

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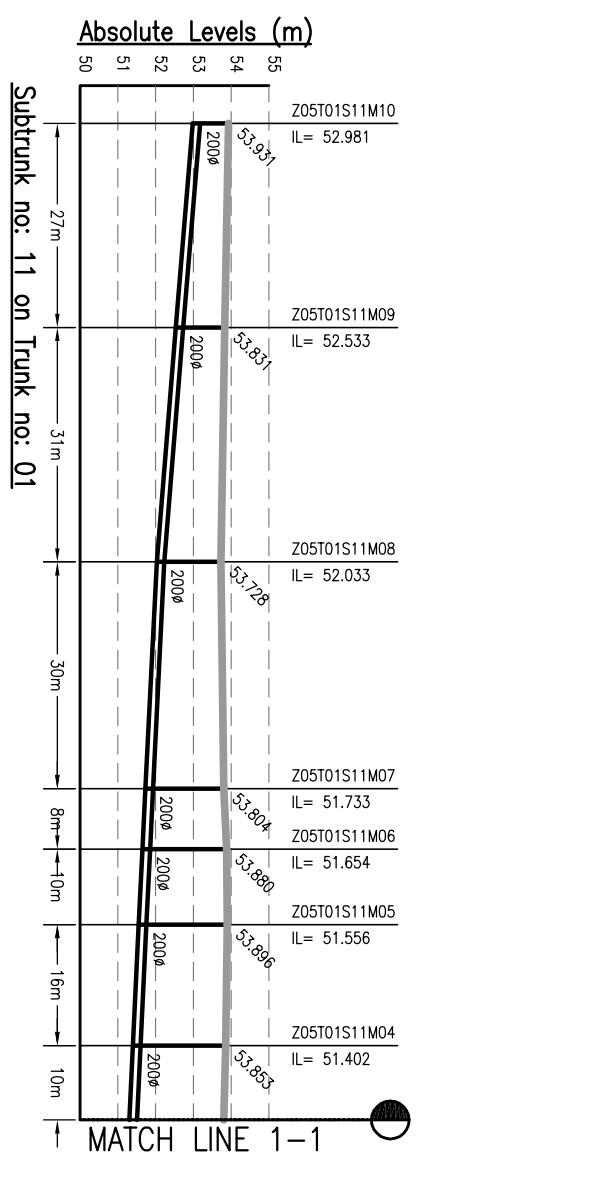
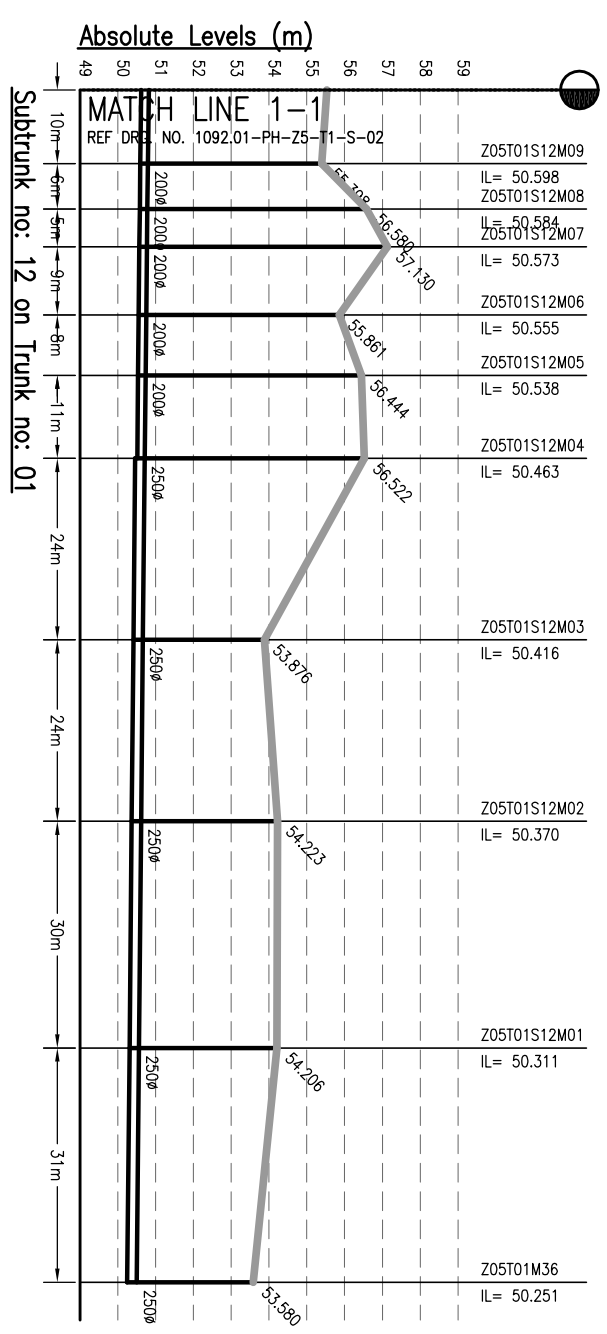
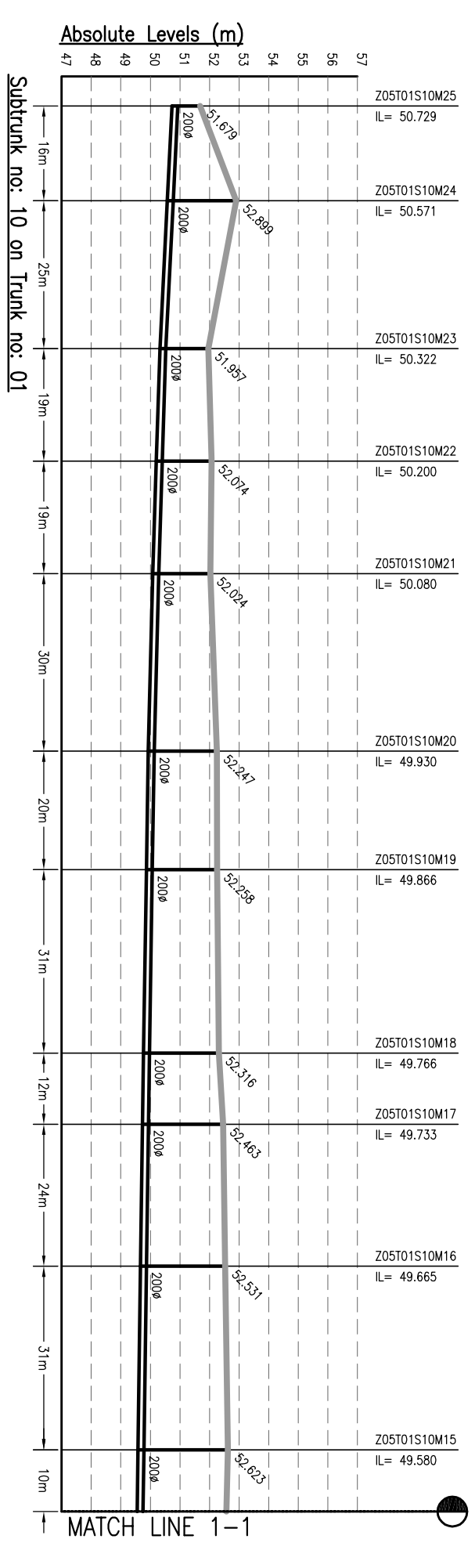
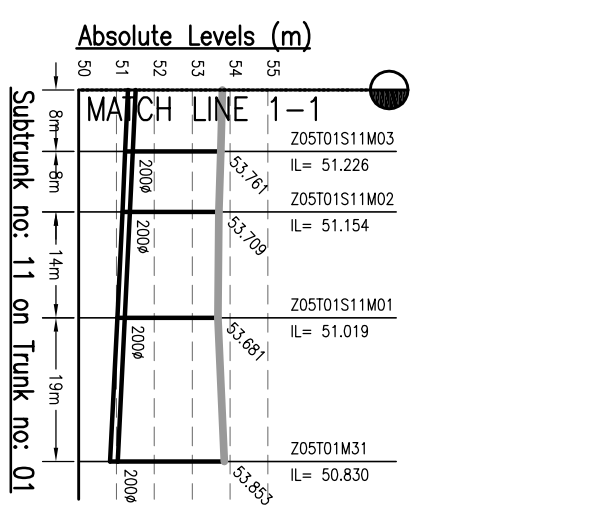
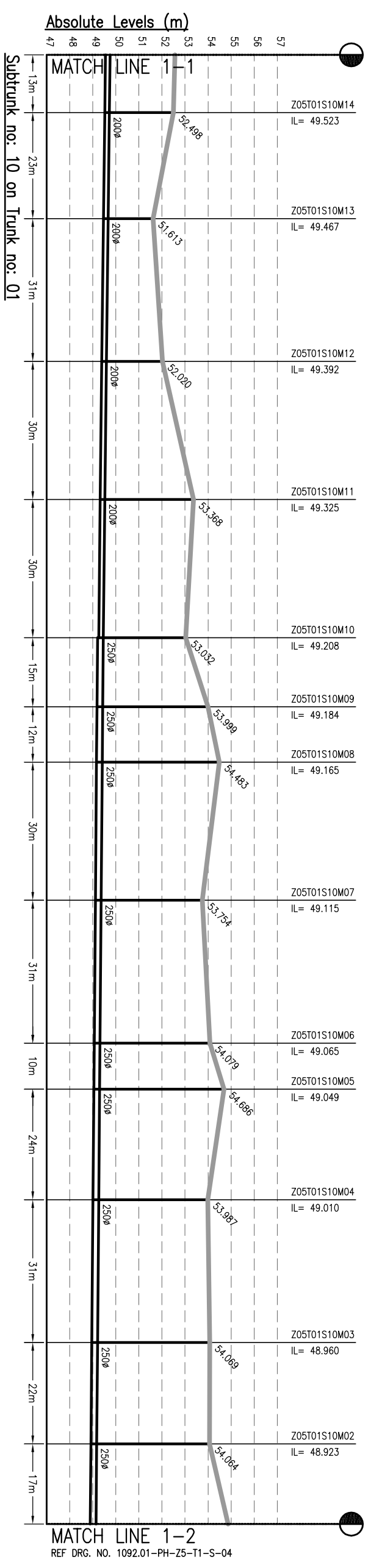
**CLIENT:-**  
  
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 Phone: +91 91 2210101, Fax: +91 91 2210103, Website: [www.bihuridc.com](http://www.bihuridc.com)

**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:-**  
  
**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 SUB-TRUNK ZONE-5, TRUNK-1 (SPS-A)**  
 (Part - 2 of 8)

DISCIPLINE	NO.	DATE	REVISION
PH	Z5-T1-S-02	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	AC	DRAFT DRG SUBMISSION	RP

**AMENDMENTS**

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**PREPARATION OF DETAILED PROJECT REPORTS (DPPR) & 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 SUB-TRUNK  
 ZONE-5, TRUNK-1 (SPS-A)  
 (PART - 3 OF 8)

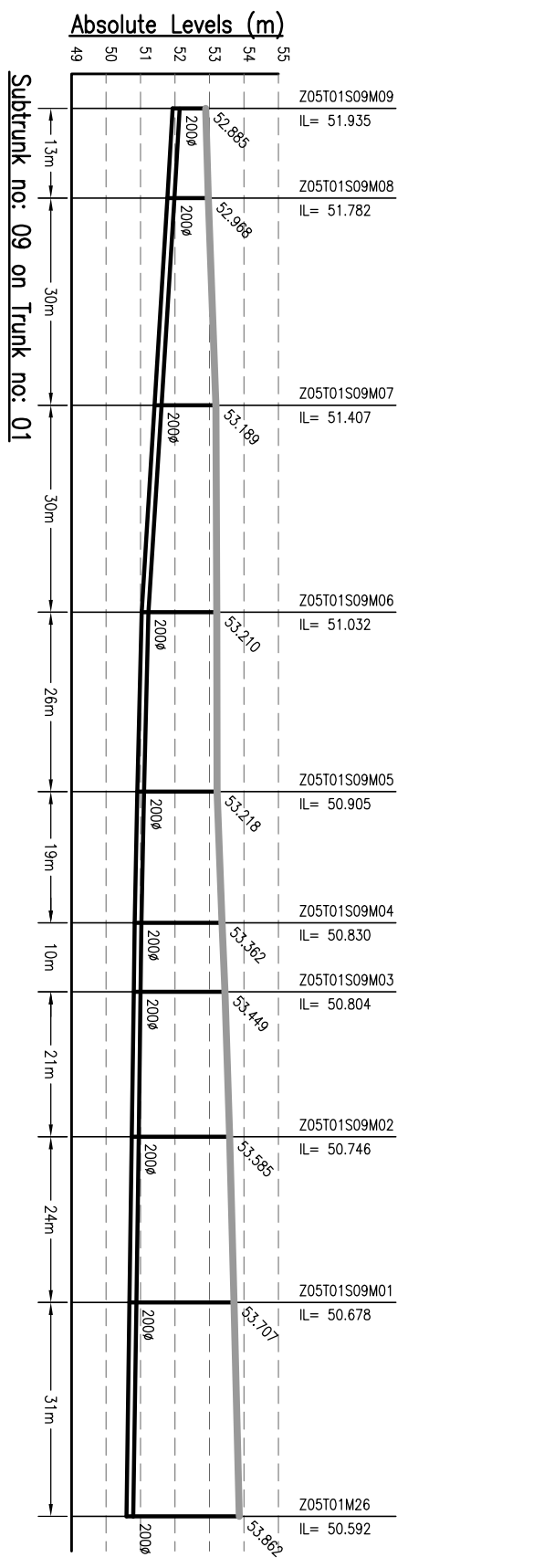
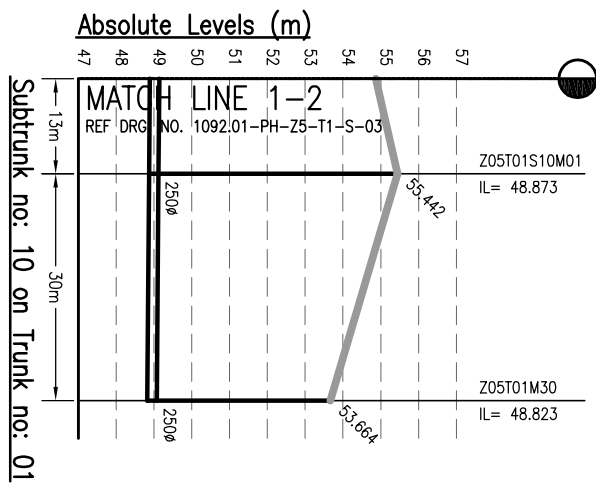
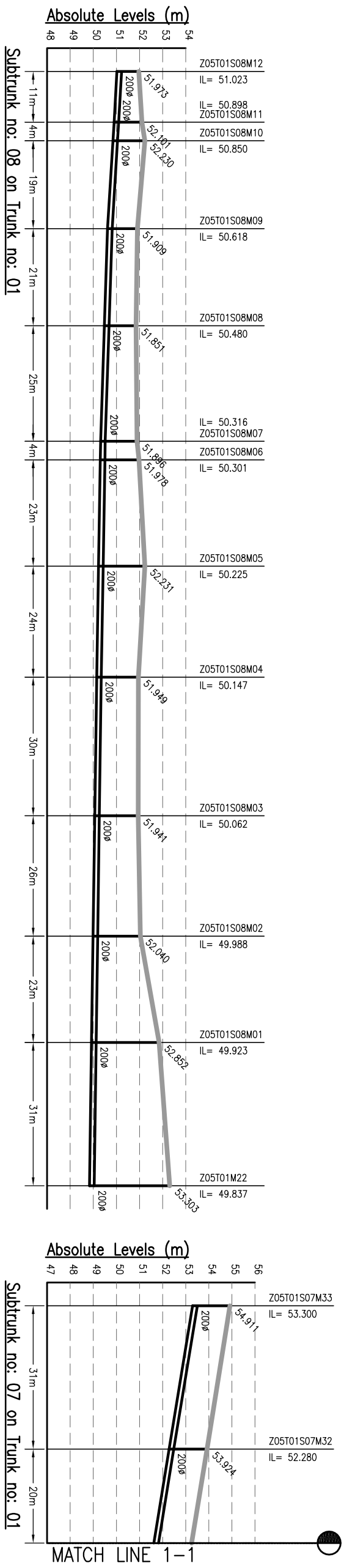
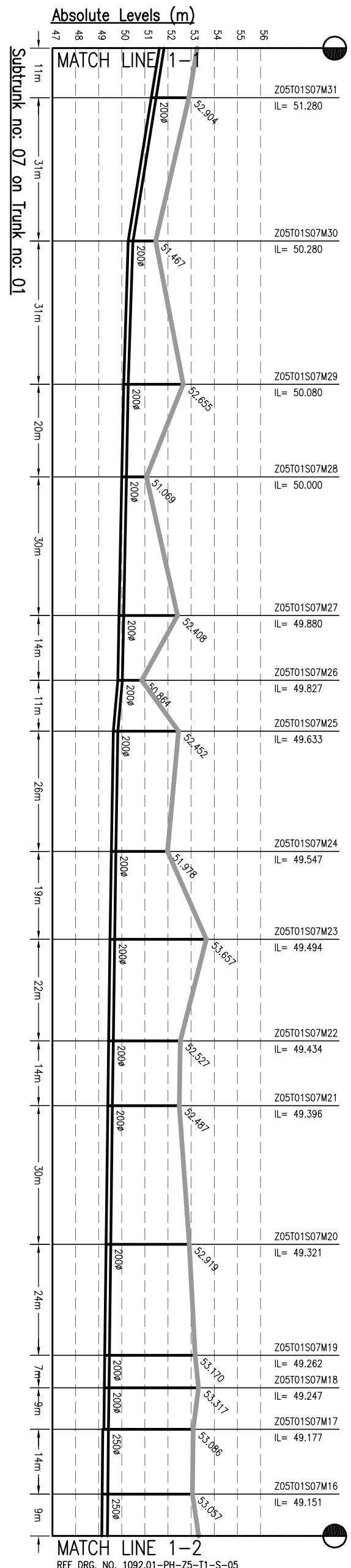
**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

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

**SHEET SIZE:** A3

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-03	00





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

REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AC	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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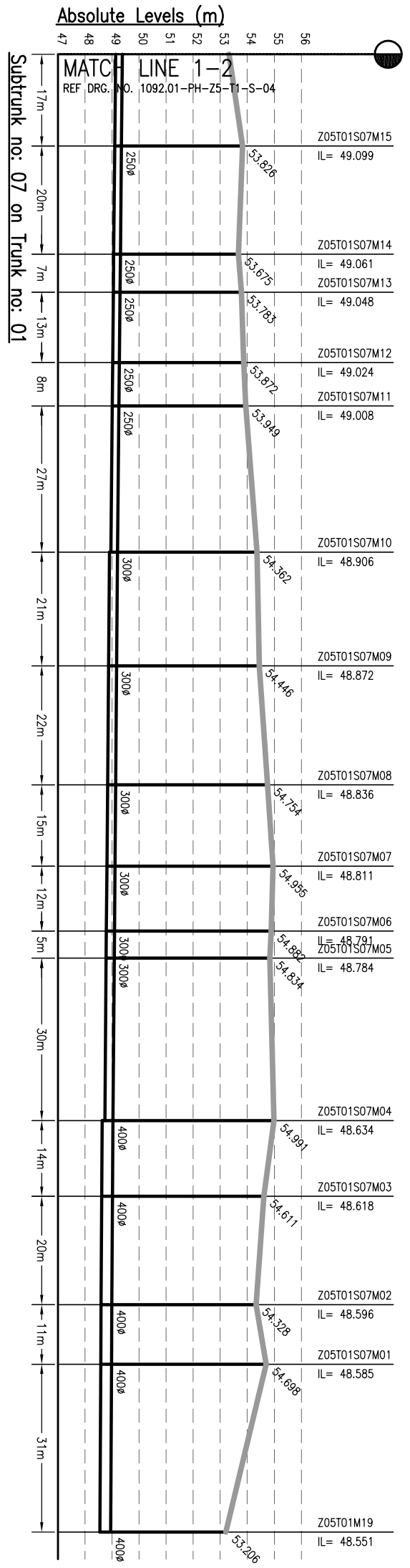
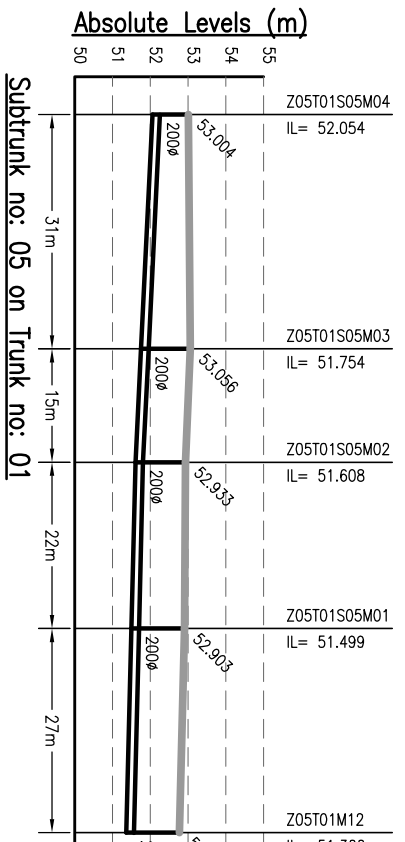
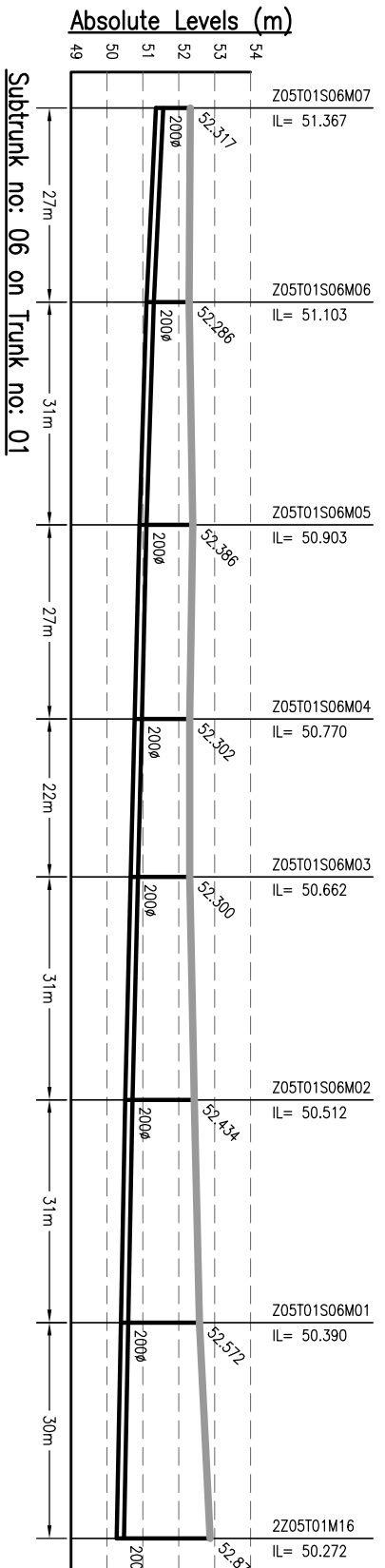
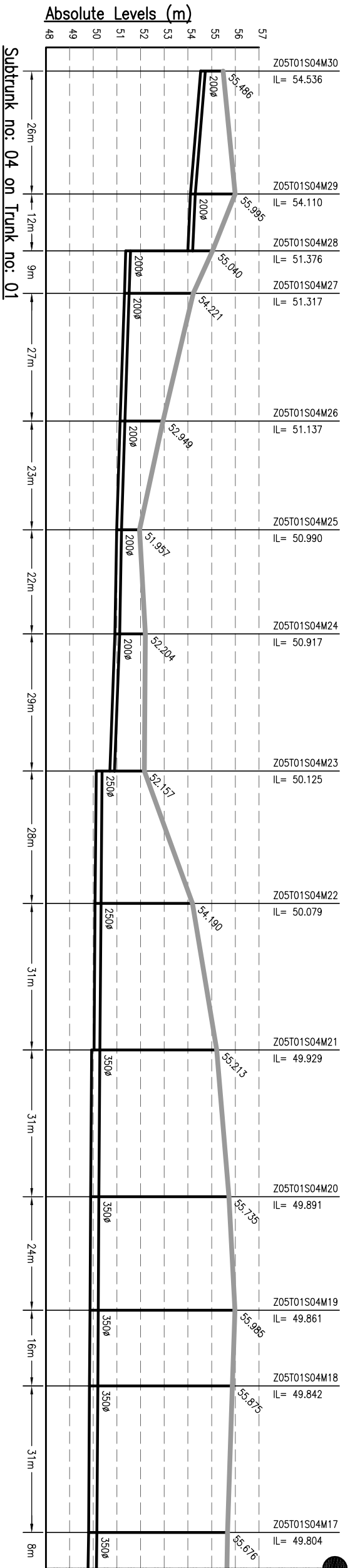
**DRAWING TITLE**  
 SEWERAGE L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-1 (SPS-A)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

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

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-04	00



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-S-06

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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	AC	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:-**  
**MEINHARDT**  
MEINHARDT (SINGAPORE) PTE. LTD.  
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 SUB-TRUNK ZONE-5, TRUNK-1 (SPS-A) (PART - 5 OF 8)

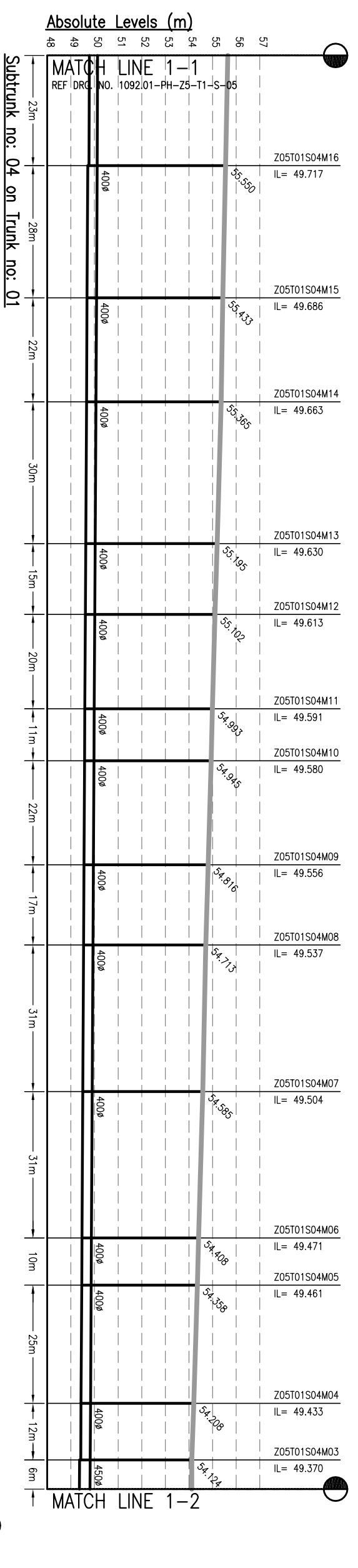
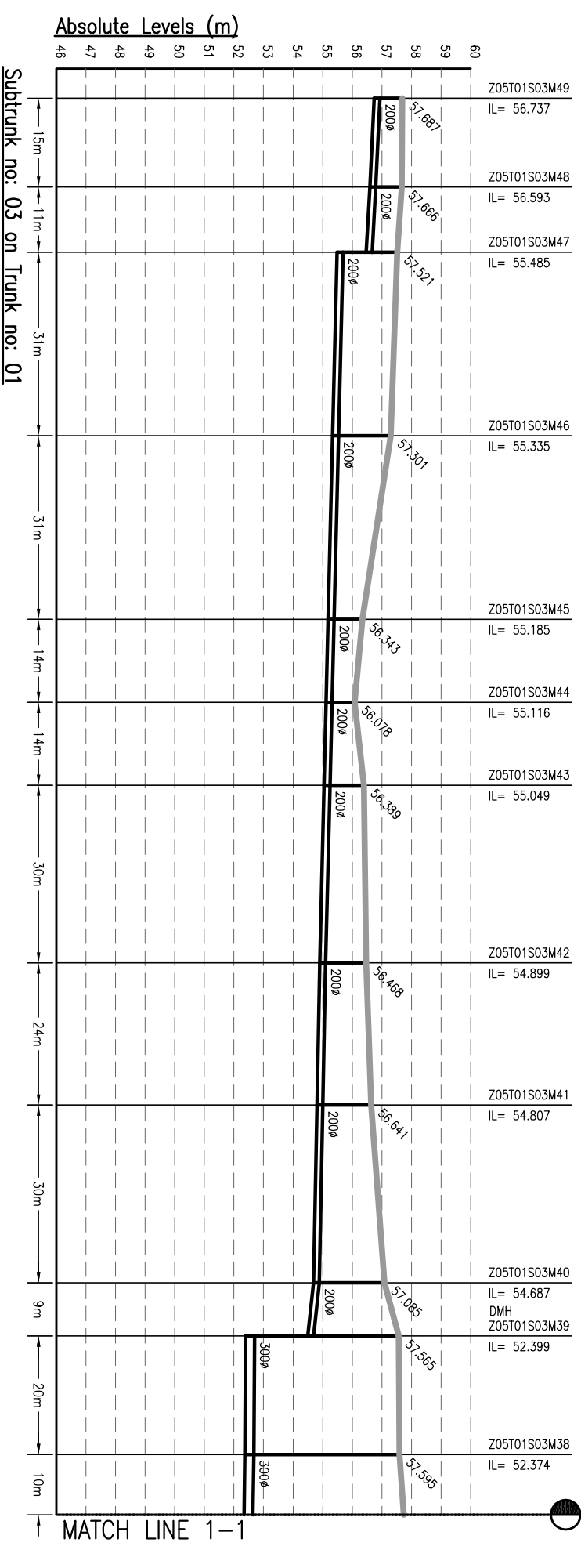
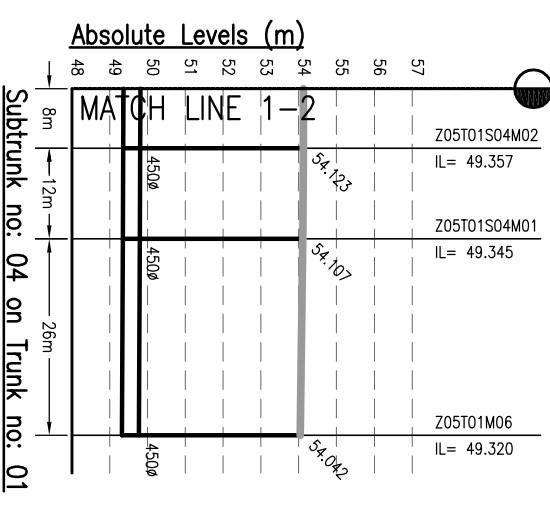
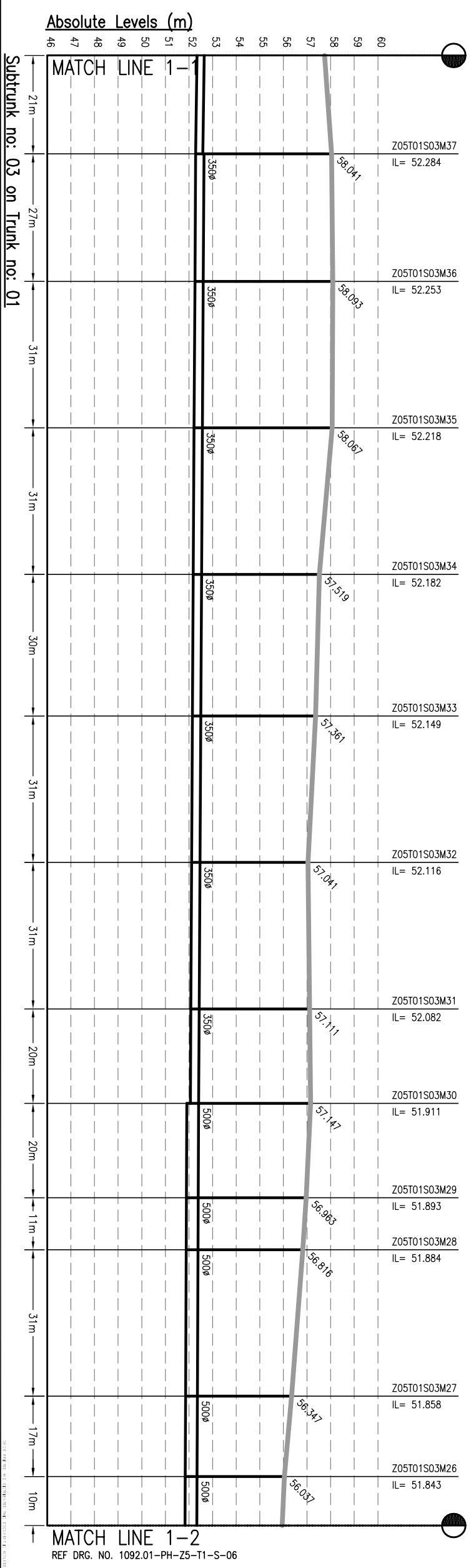
**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT

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

**SHEET SIZE** : A3

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-05	00

DESIGNED	CHECKED	APPROVED	DATE OF FIRST ISSUE
JR	RP	RP	MAY 2013
AC	RP	RP	MAY 2013



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

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

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 URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
 BIHAR

303, Malabar Towers,  
 Plot No. 10, Sector-16, Gurgaon, Haryana  
 Phone: +91 122 2516165, Fax: +91 122 2516166  
 Website: 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:-  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtdr.com, Email: info@meinhardtdr.com

DRAWING TITLE  
**L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-1 (SPS-A)**  
 (Part - 6 of 8)

DESIGNED	CHECKED	APPROVED	DATE
AC	JR	RP	MAY 2013

PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

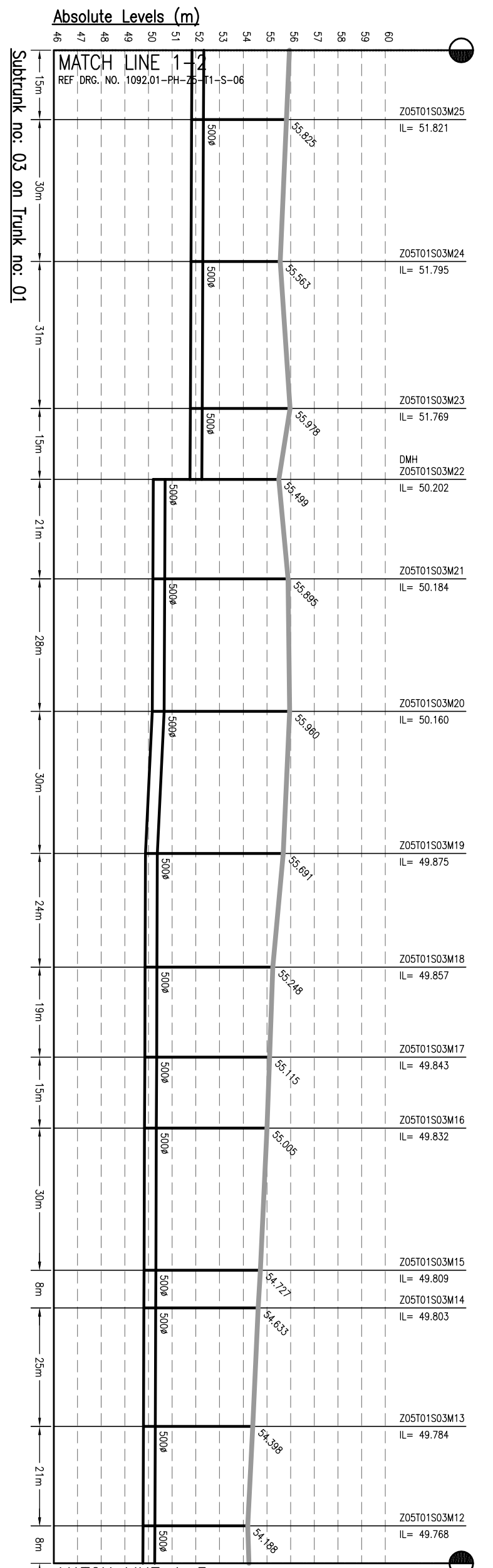
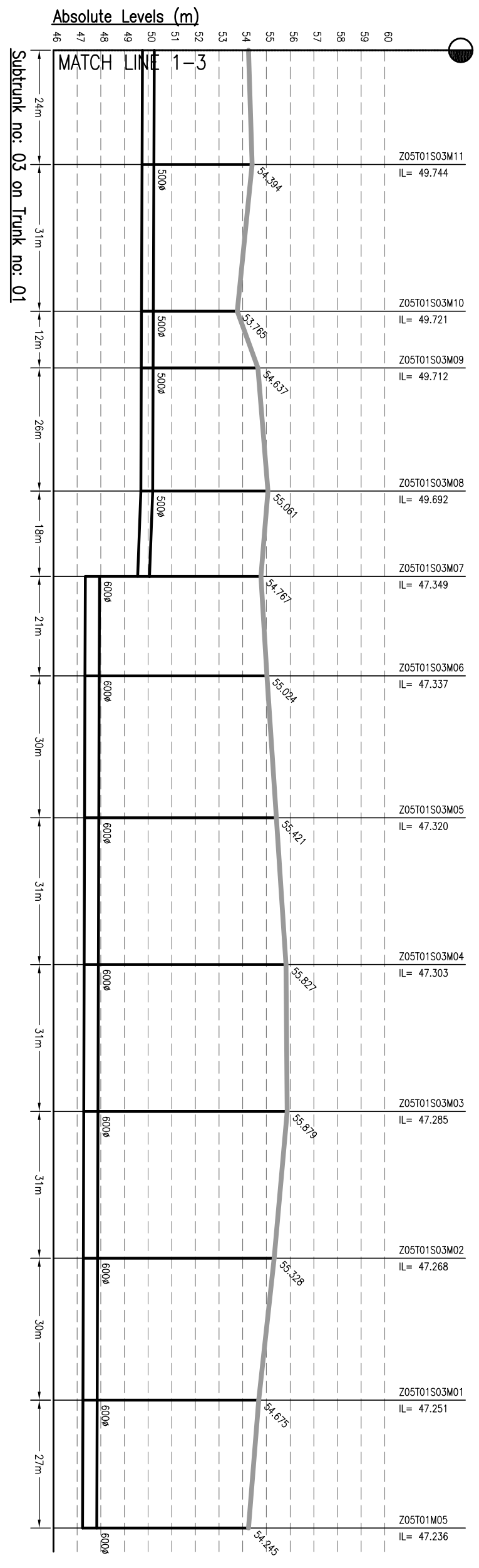
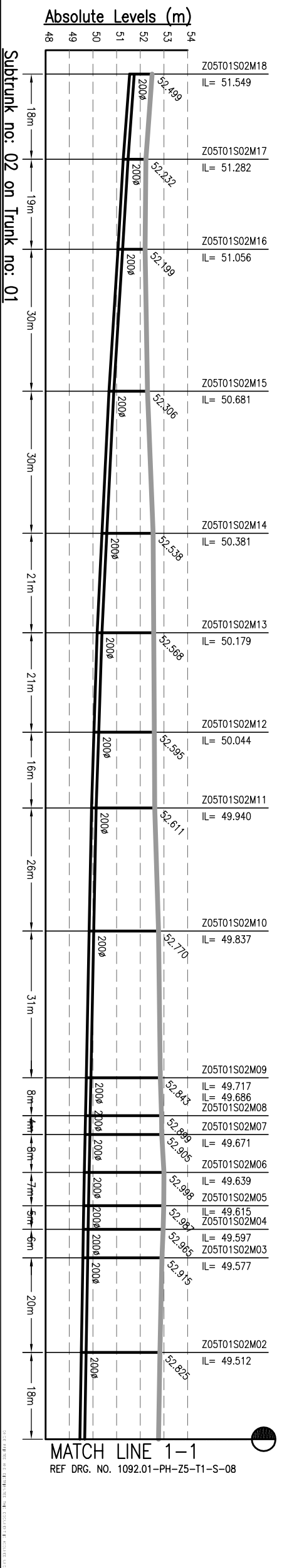
SCALE: H-1000, V-200

SHEET SIZE: A3

DATE OF FIRST ISSUE  
 MAY 2013

DATE OF THIS ISSUE  
 MAY 2013

JOB NO. 1092.01  
 DISCIPLINE PH  
 DRAWING NO. Z5-T1-S-06  
 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	AC	DRAFT DRG SUBMISSION	RP

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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**

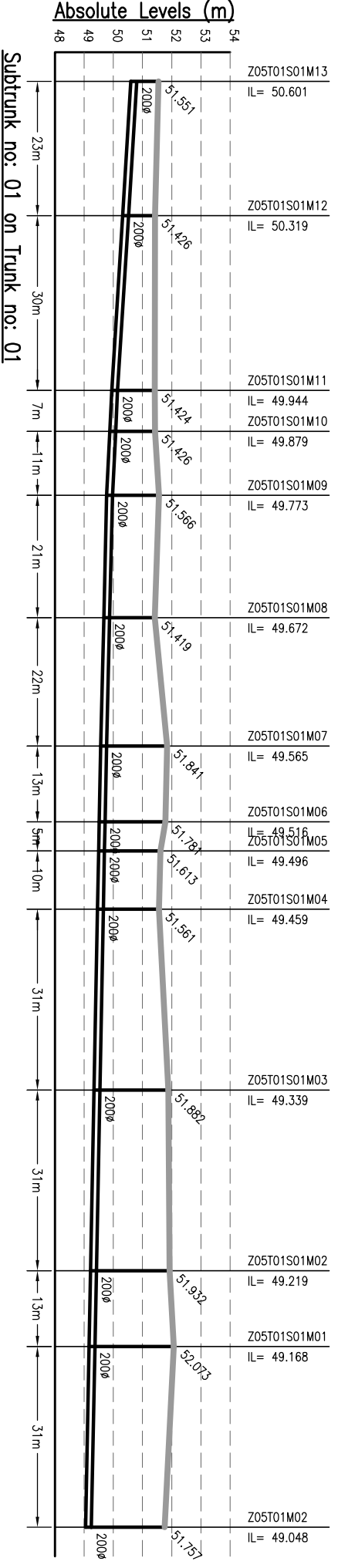
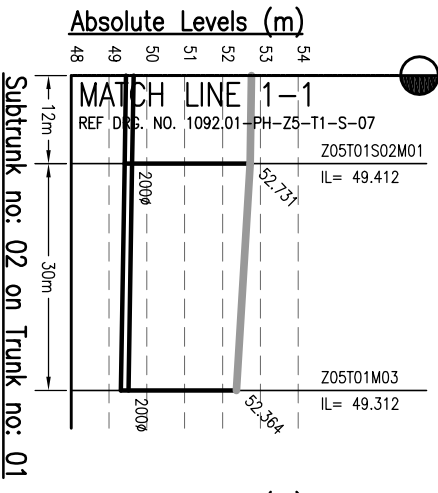
CONSULTANT:-

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DRAWING TITLE:  
**L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-1 (SPS-A)**  
 (Part - 7 of 8)

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-07	00

DATE OF FIRST ISSUE: MAY 2013  
 SHEET SIZE: A3  
 SCALE: H-1000, V-200  
 DRAWN: AC  
 DESIGNED: JR  
 CHECKED: RP  
 APPROVED: CRR  
 DATE: MAY 2013



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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	AC	DRAFT DPR SUBMISSION	RP

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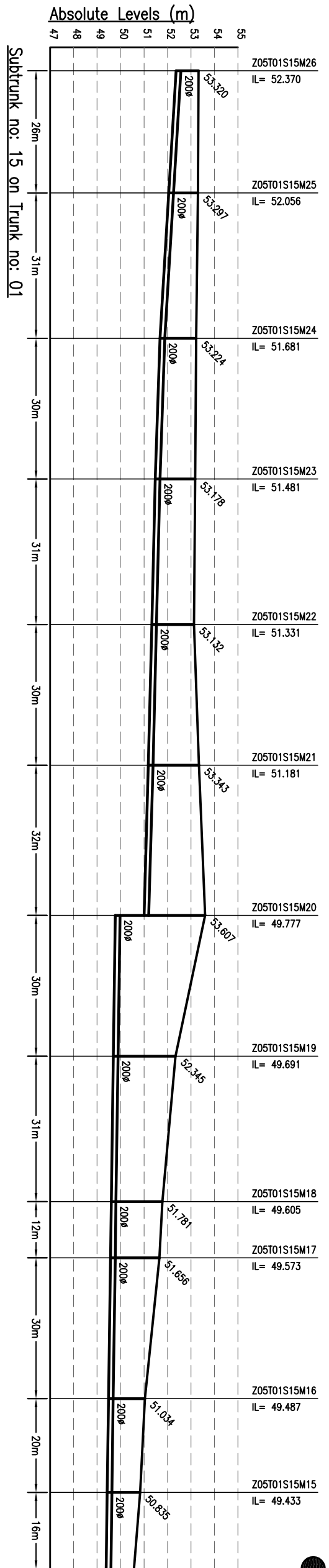
**PROJECT:-**  
PREPARATION OF DETAILED  
PROJECT REPORTS (DPRS) & BID  
DOCUMENTS;  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION &  
QUALITY CONTROL OF SEWERAGE &  
DRAINAGE PROJECTS OF PATNA  
UNDER JNNURM

**CONSULTANT:-**  
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MEINHARDT (SINGAPORE) PTE. LTD.  
A-8, Sector-16, Noida-201301, India  
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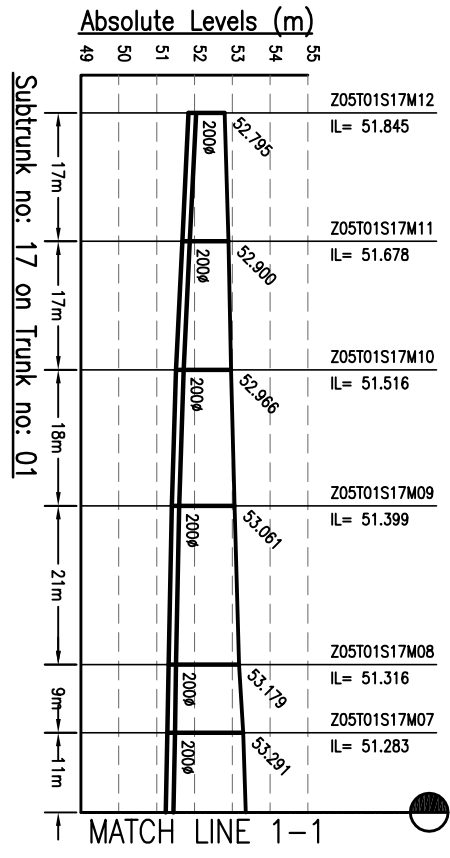
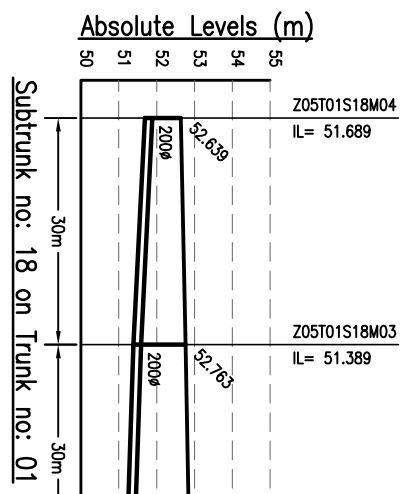
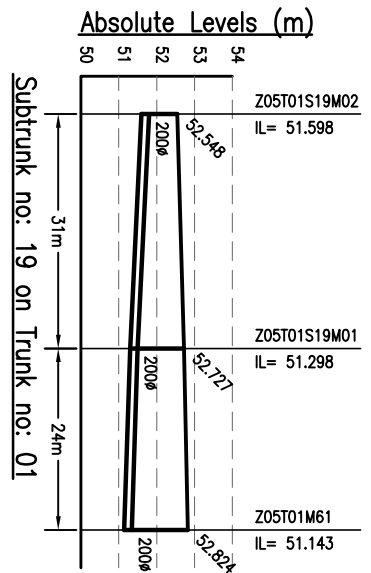
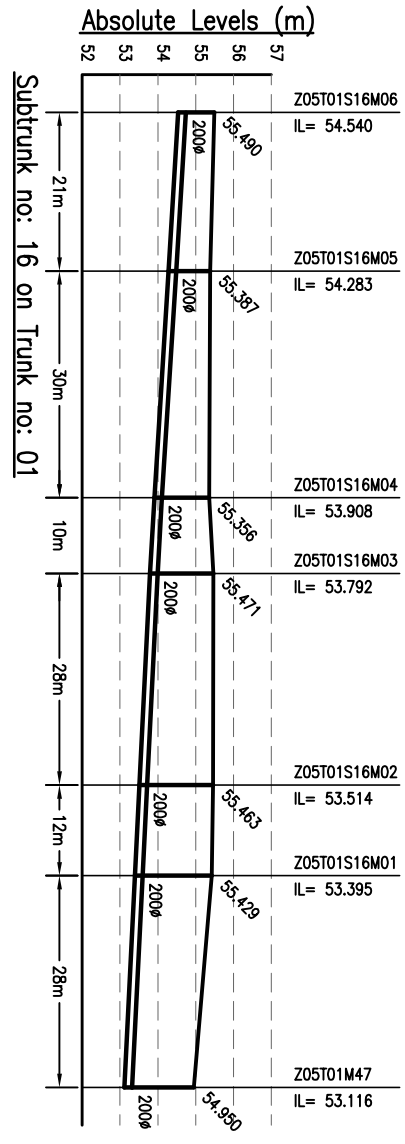
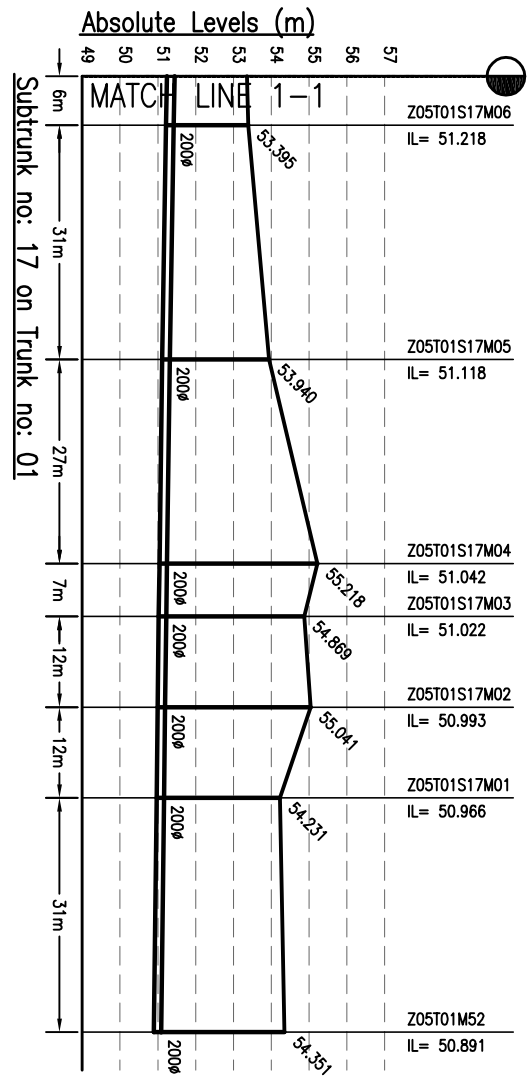
**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF SUB-TRUNK  
ZONE-5, TRUNK-1 (SPS-A)

DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-T1-S-08	00

JOB NO. 1092.01



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-S-02



MATCH LINE 1-1

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DESIGNED	JR	SEPTEMBER 2013
CHECKED	RP	SEPTEMBER 2013
APPROVED	CRR	SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-T1-S-09
		REVISION
		00

**MEINHARDT**  
SEWERAGE  
L-SECTION OF SUB-TRUNK  
ZONE-5, TRUNK-1 (AGAM KUAN)  
(PART - 9 OF 17)

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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

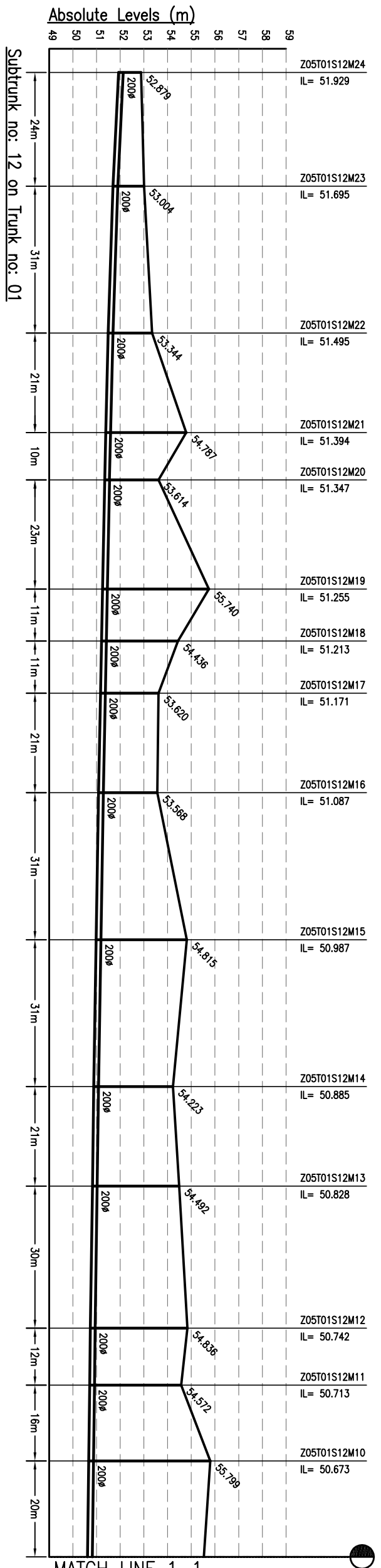
URBAN INFRASTRUCTURE  
DEVELOPMENT CORPORATION  
BIHAR

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

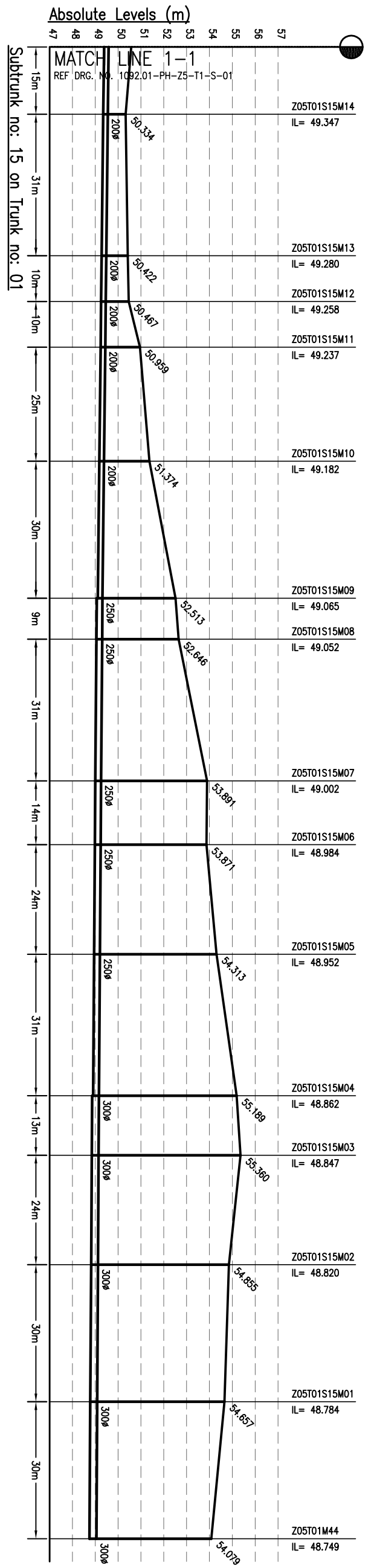
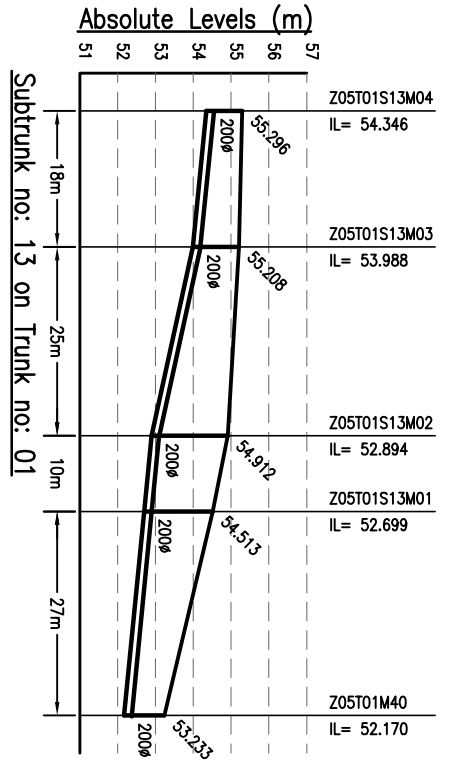
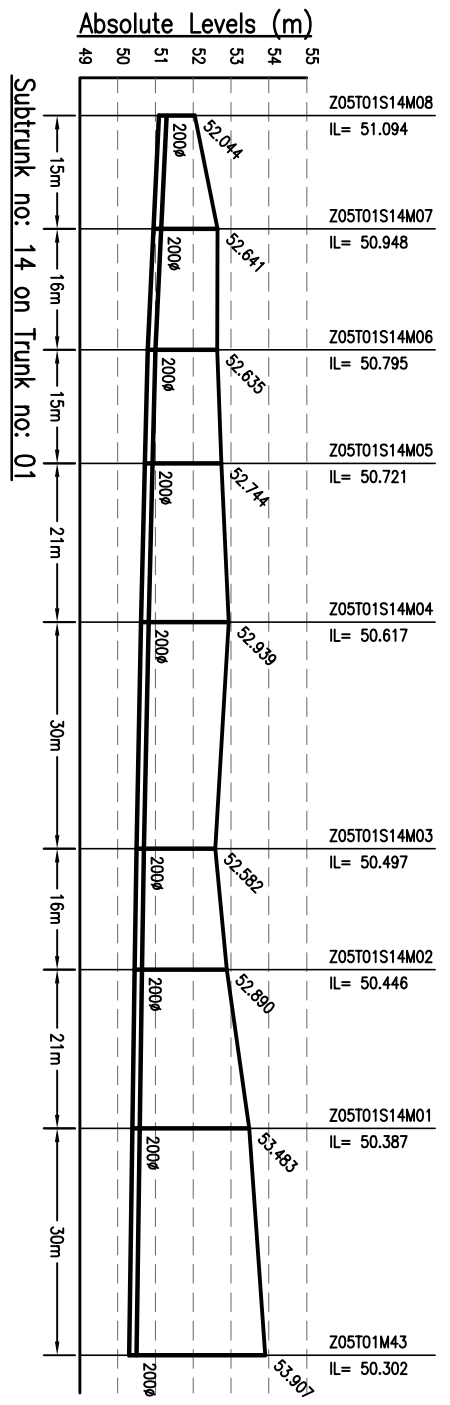
REV	DATE	NAME	DESCRIPTION	CHKD
00	SEP'13	AH	ISSUED FOR DPR	RP

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



MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-S-03

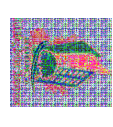


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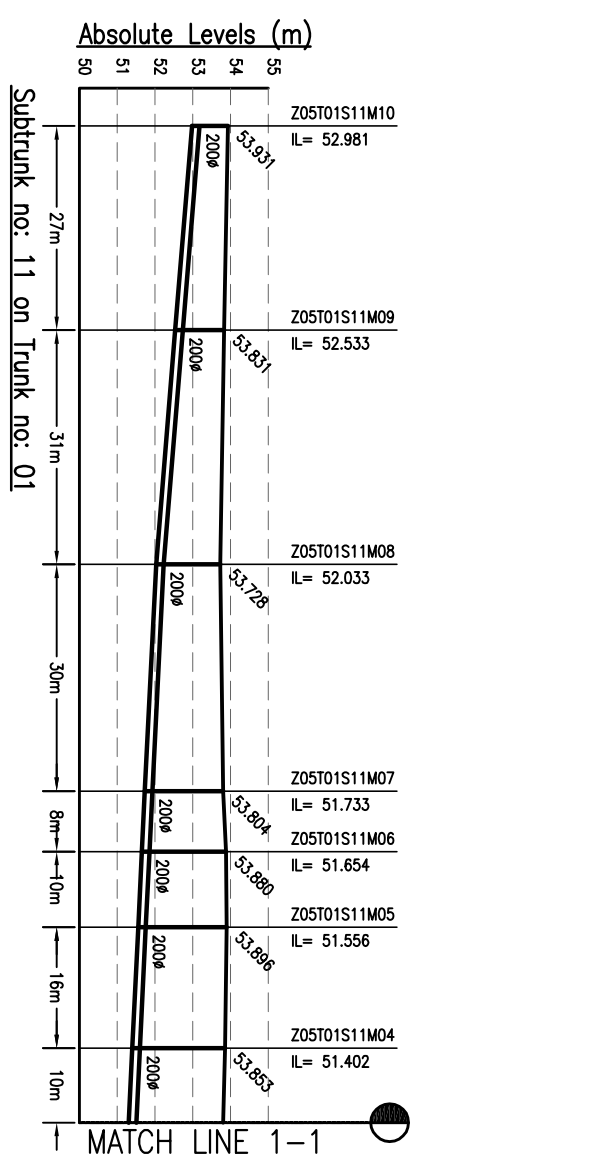
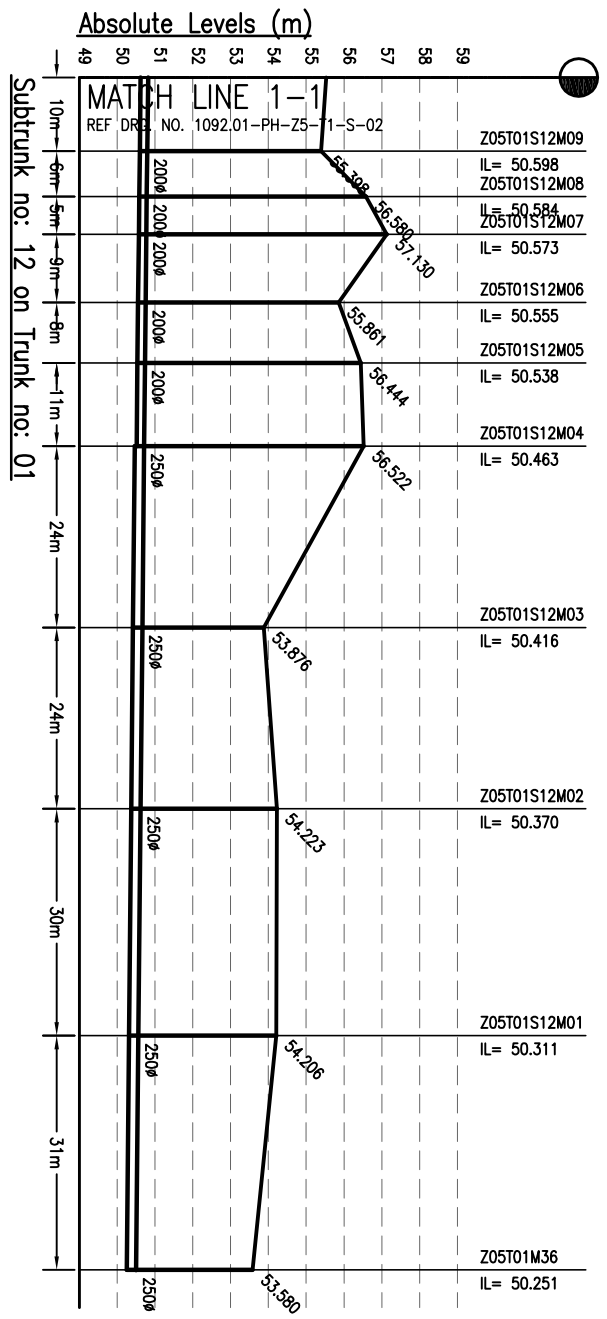
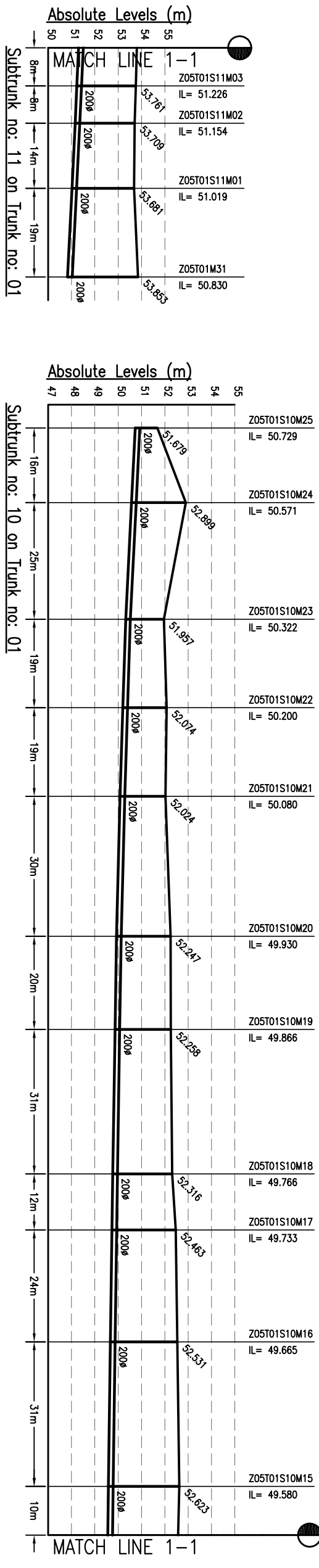
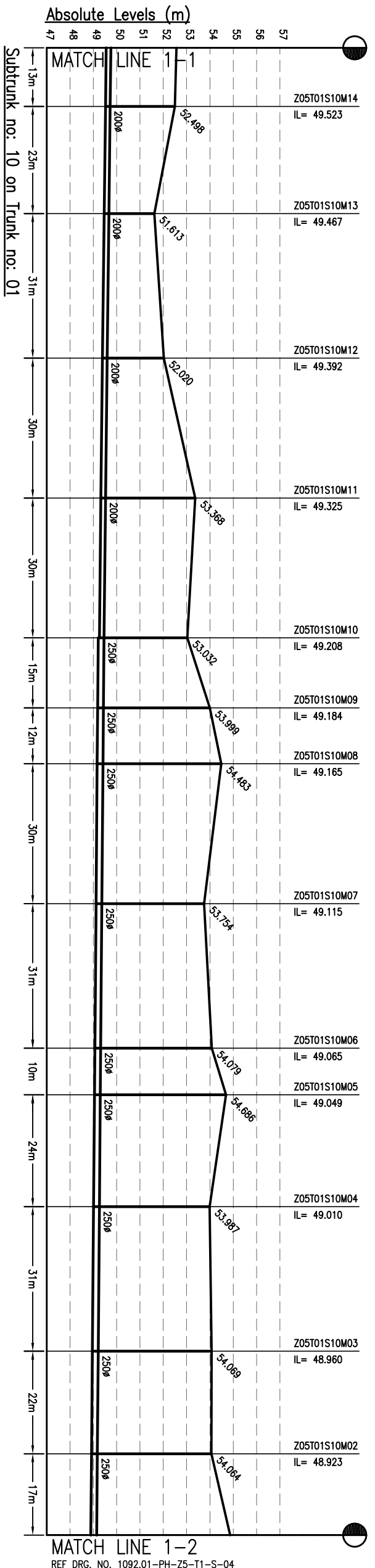
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:**  
TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

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Ph: +91 120 2516166 Fax No.: +91 120 2515745  
www.meinhardtgroup.com Email: info@meinhardtindia.com

**SEWERAGE L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-1 (AGAM KUAN)**  
(PART - 10 OF 17)

DESIGNED	CHECKED	APPROVED	JOB NO.
JR	RP	CR	PH

DATE OF FIRST ISSUE	DATE OF REVISION	REVISION
SEPTEMBER 2013	SEPTEMBER 2013	Z5-T1-S-10



MATCH LINE 1-2  
REF DRG. NO. 1092.01-PH-Z5-T1-S-04

MATCH LINE 1-1

MATCH LINE 1-1

**NOTES:-**

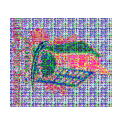
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Drawing Base Reference:-  
PAC WORK ORDER 3489, DATED 15 DECEMBER 2009.

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

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BIHAR

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TENDERING FOR EXECUTION;  
CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

CONSULTANT:-  
**MEINHARDT**  
MEINHARDT (SINGAPORE) PTE. LTD.  
A-4, Sector-16, Noida-201301, India  
Ph: +91 20 2516166, Fax No: +91 20 2515745  
www.meinhardtgroup.com, Email: info@meinhardtindia.com

DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF SUB-TRUNK**  
**ZONE-5, TRUNK-1 (AGAM KUAN)**  
(PART - 11 OF 17)

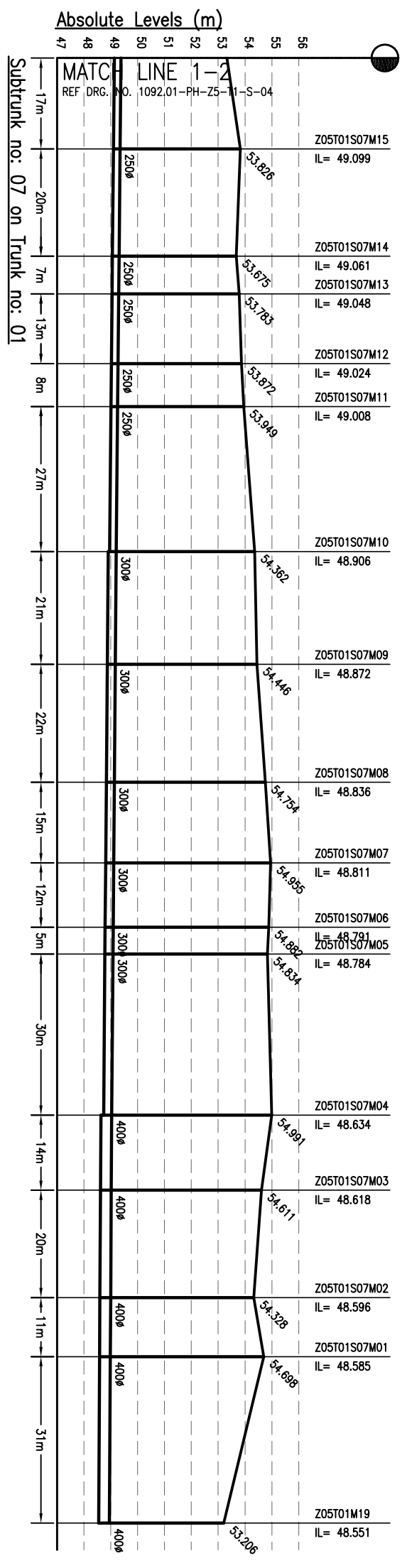
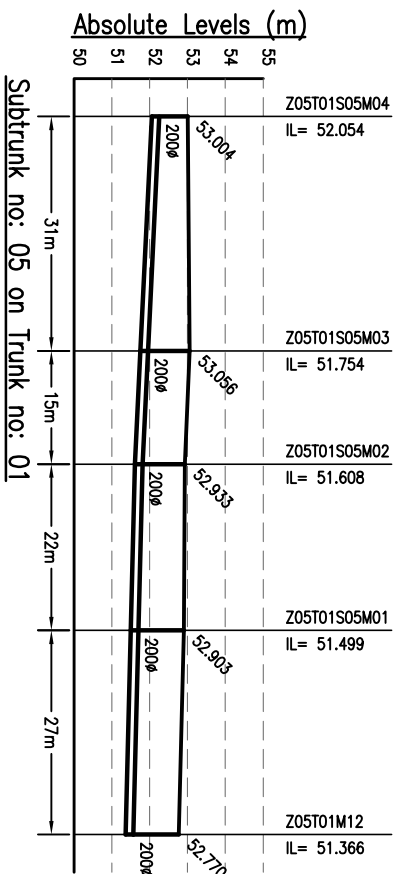
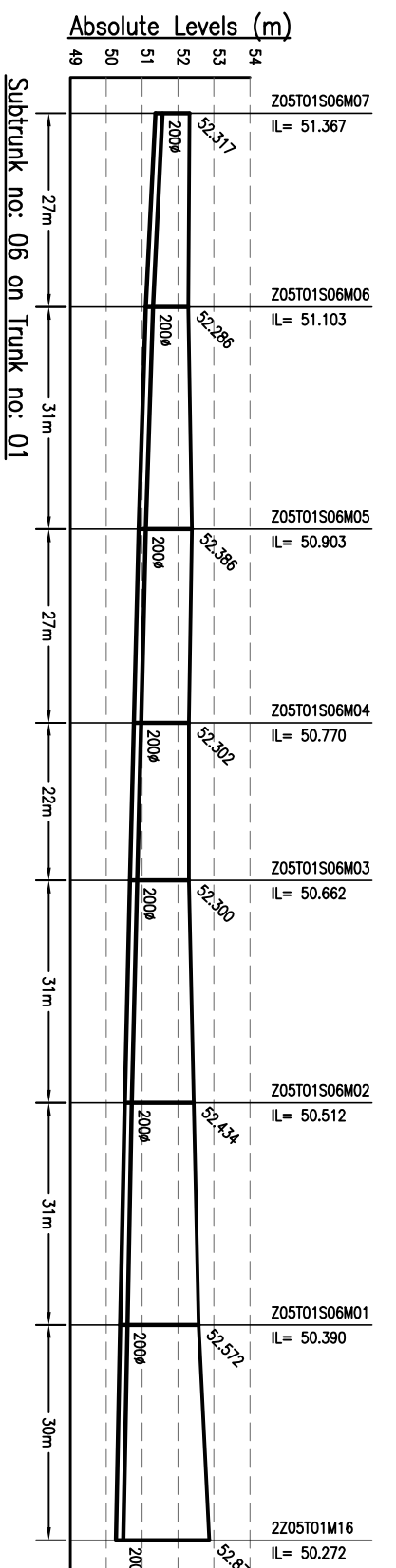
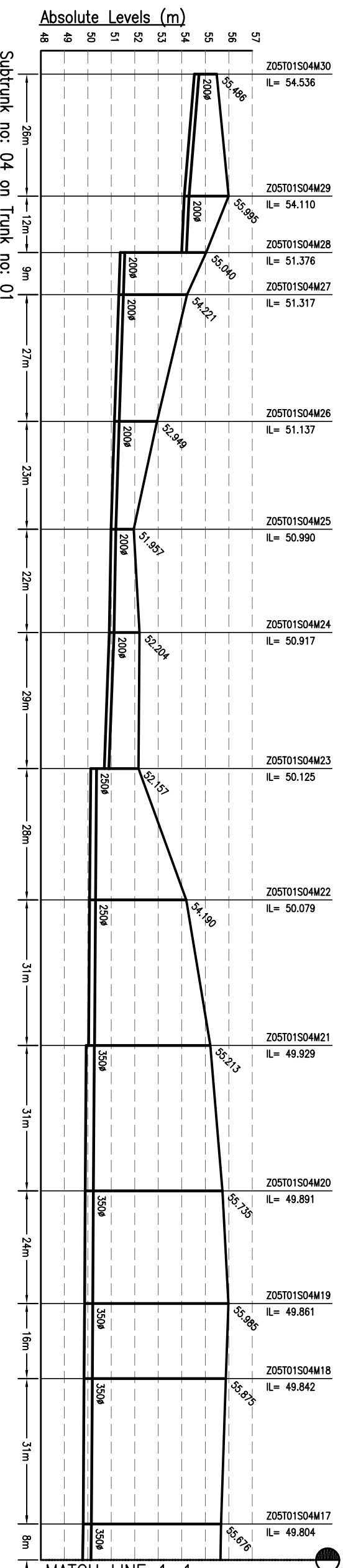
PURPOSE OF ISSUE  
DETAILED PROJECT REPORT  
(SEWERAGE)

DATE	BY	DATE OF NEXT ISSUE
SEPTEMBER 2013	AH	SEPTEMBER 2013
SEPTEMBER 2013	JR	SEPTEMBER 2013
SEPTEMBER 2013	CR	SEPTEMBER 2013
SEPTEMBER 2013	RR	SEPTEMBER 2013

JOB NO. 1092.01 PH  
DRAWING NO. Z5-T1-S-11  
REVISION 00







MATCH LINE 1-1  
REF DRG. NO. 1092.01-PH-Z5-T1-S-06

MATCH LINE 1-2  
REF DRG. NO. 1092.01-PH-Z5-T1-S-04

DESIGNED	JR	SEPTEMBER 2013
CHECKED	RP	SEPTEMBER 2013
APPROVED	CRR	SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-T1-S-13
		REVISION
		00

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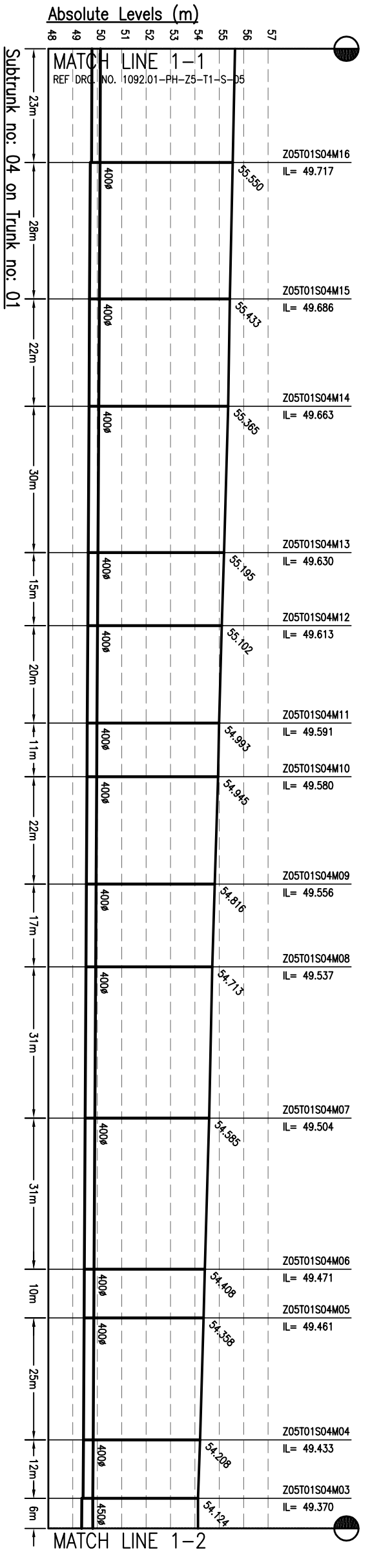
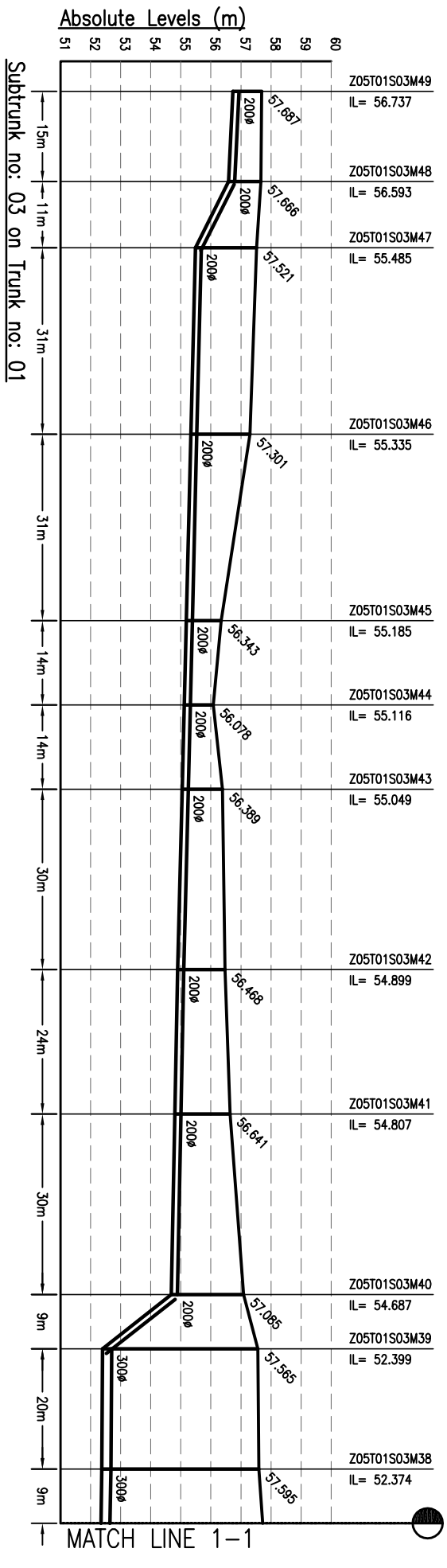
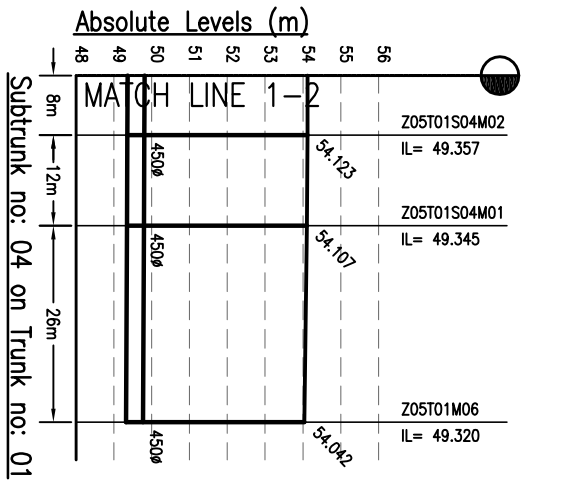
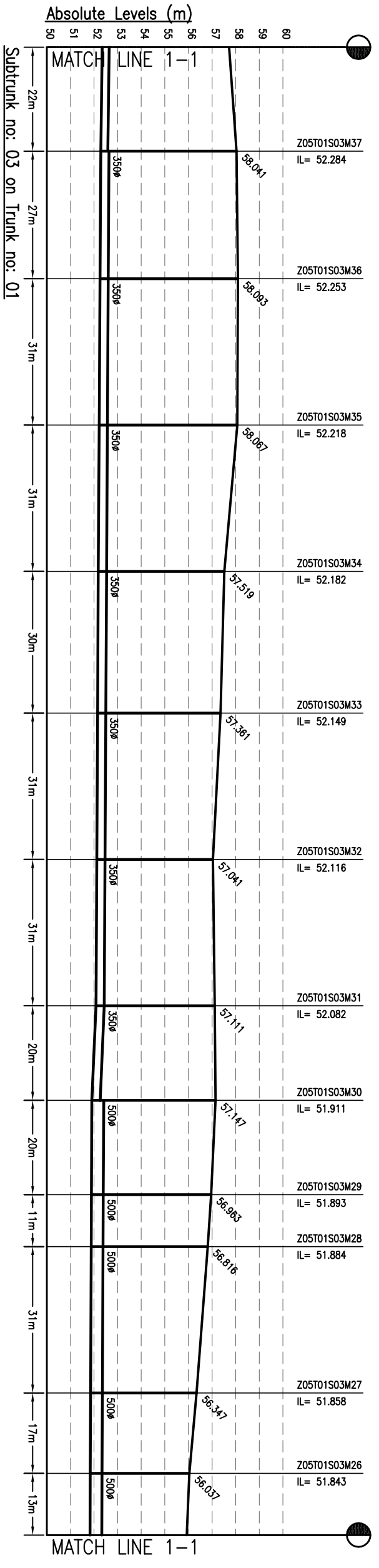
**PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS:**  
TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA

BIHAR  
URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
303 Main Road, 4th Floor, Patna-800 001  
Phone: +91 91 2210101 Fax: +91 91 2210103  
Website: www.ubidc.com

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

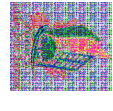
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Drawing Base Reference:-  
**PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

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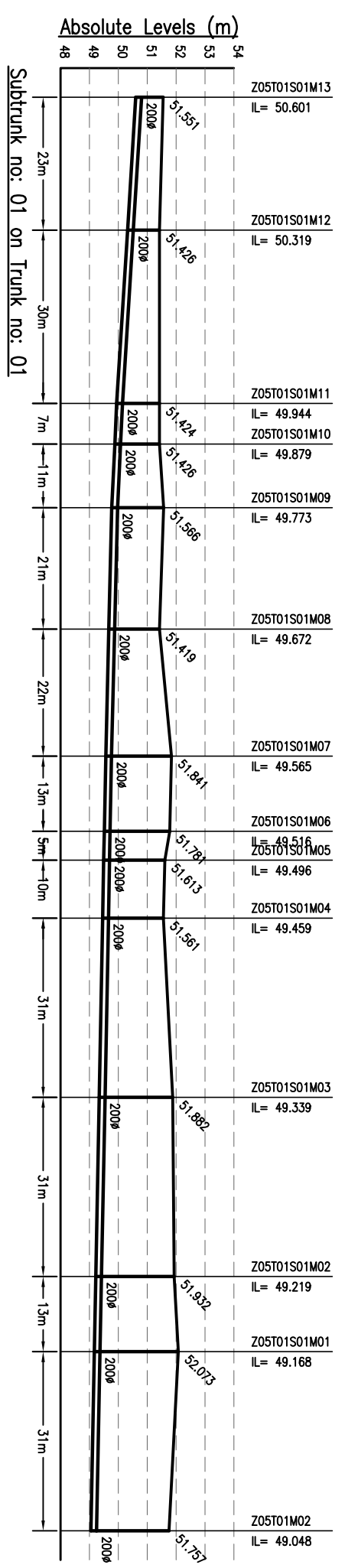
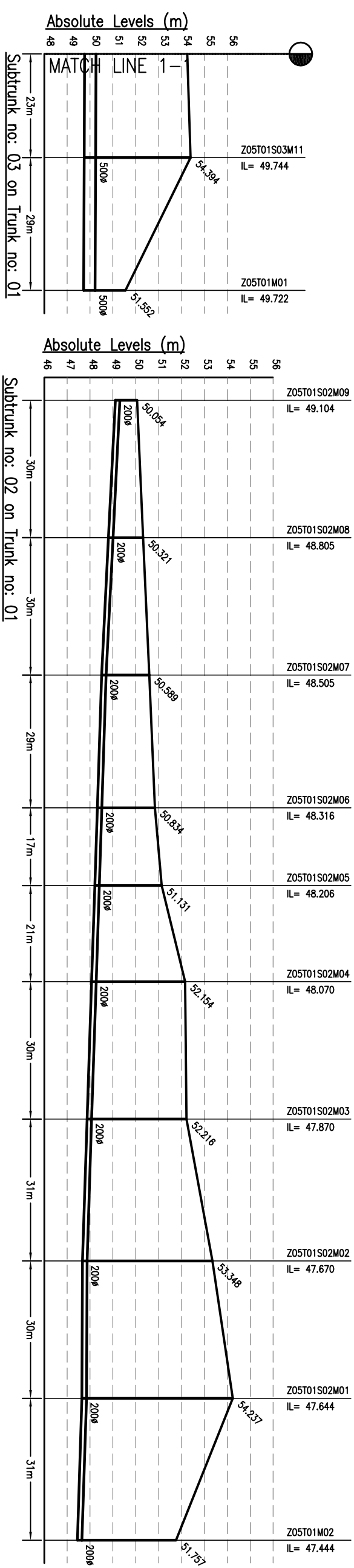
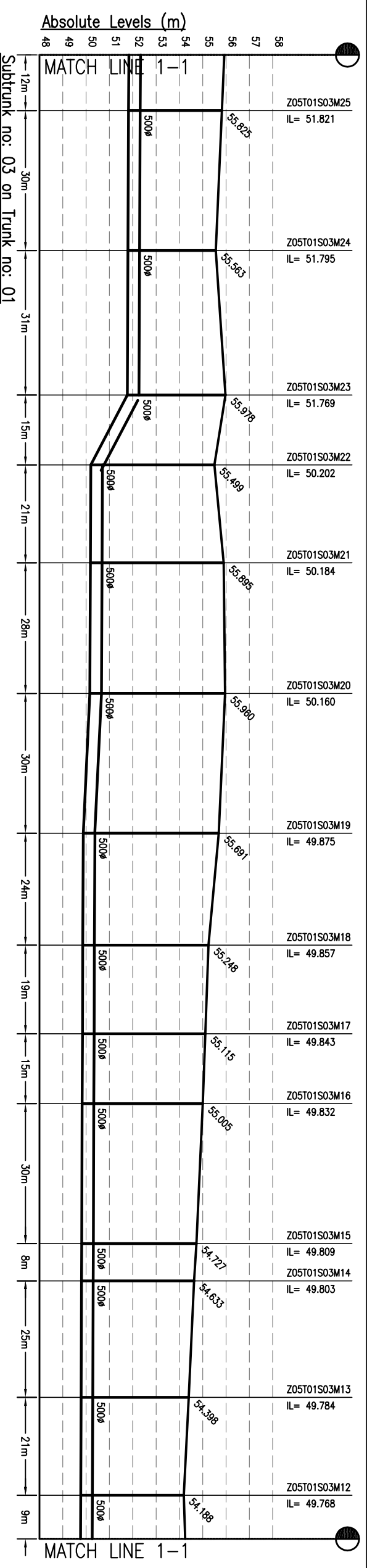
**PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;**  
**TENDERING FOR EXECUTION;**  
**CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE PROJECTS OF PATNA UNDER NGRBA**

**CONSULTANT:-**  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-4, 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 SUB-TRUNK**  
**ZONE-5, TRUNK-1 (AGAM KUAN)**  
 (PART - 14 OF 17)

**PURPOSE OF ISSUE**  
 DETAILED PROJECT REPORT (SEWERAGE)  
 SCALE: H-1000, V-200

DISCIPLINE	DATE OF FIRST ISSUE	DATE OF LATEST ISSUE
DESIGNED	SEPTEMBER 2013	SEPTEMBER 2013
CHECKED	SEPTEMBER 2013	SEPTEMBER 2013
APPROVED	SEPTEMBER 2013	SEPTEMBER 2013
DISCIPLINE	PH	Z5-T1-S-14
JOB NO.	1092.01	00



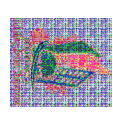
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Drawing Base Reference:-  
**PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

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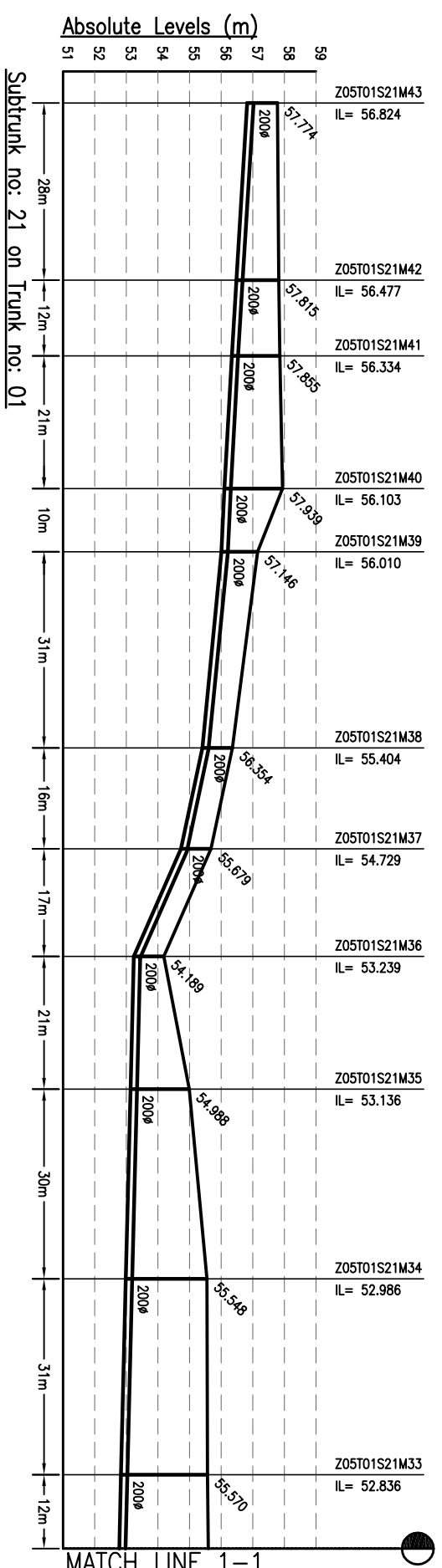
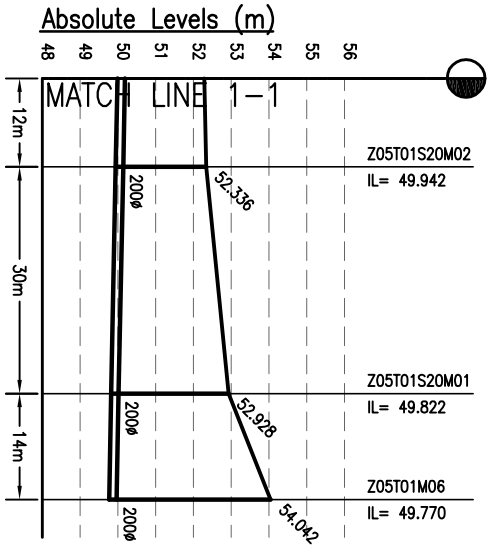
**MEINHARDT**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

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

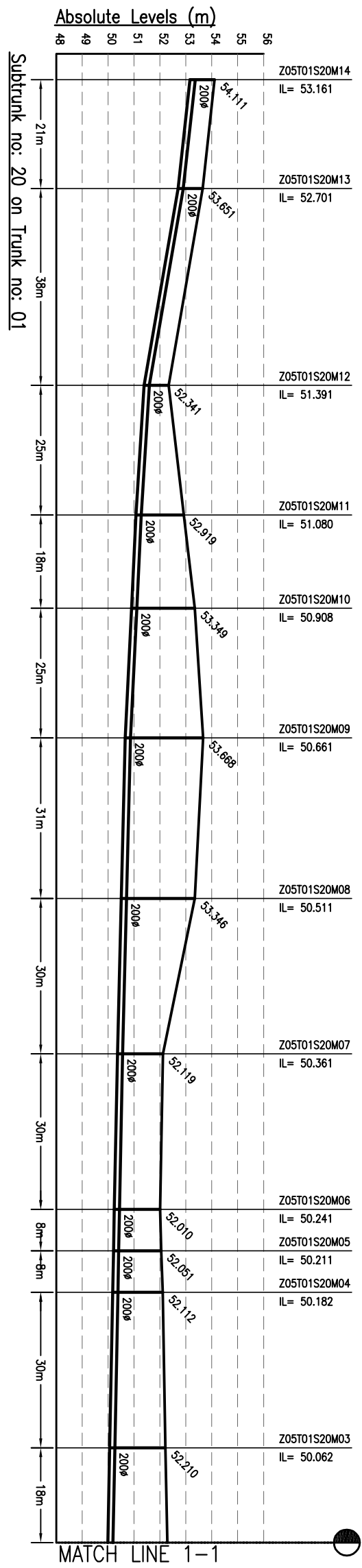
**CONSULTANT:-**  
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**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF SUB-TRUNK**  
**ZONE-5, TRUNK-1 (AGAM KUAN)**  
 (PART - 15 OF 17)

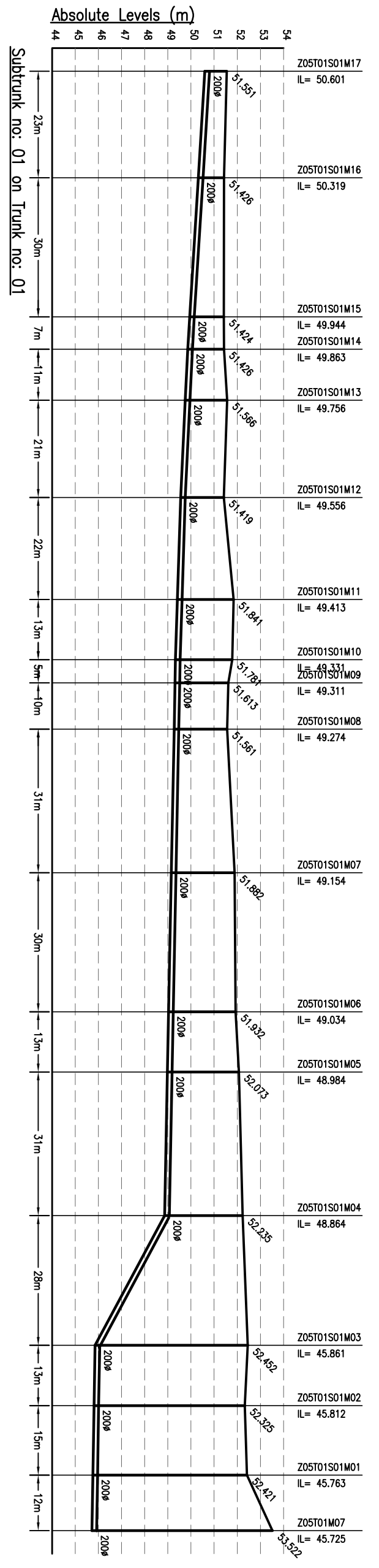
PURPOSE OF ISSUE		SCALE: - H-1000, V-200	
DATE OF ISSUE	BY	SHEET SIZE: - A3	DATE OF FIRST ISSUE
DETAILED PROJECT REPORT (SEWERAGE)	AH		SEPTEMBER 2013
DRAWN	AH		SEPTEMBER 2013
DESIGNED	JR		SEPTEMBER 2013
CHECKED	RP		SEPTEMBER 2013
APPROVED	CRR		SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-15	00



REF DRG. NO. 1092.01-PH-Z5-T1-S-09



MATCH LINE 1-1



**NOTES:-**

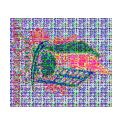
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Drawing Base Reference:  
**PMC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

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 SINGAPORE PTE. LTD.  
 303 Marina Tower, #10-01/02  
 300, North Bridge Road, Singapore 049203  
 Phone: +65 6733 1001 Fax: +65 6733 1003  
 Website: 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  
 PROJECTS OF PATNA UNDER NGRBA

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 A-8, Sector-16, Noida-201301, India  
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF SUB-TRUNK  
 ZONE-5, TRUNK-1 (AGAM KUAN)

**PREPARED BY**  
 PROJECT REPORT (SEWERAGE)

**CHECKED BY**  
 JR

**APPROVED BY**  
 CR

**DATE OF FIRST ISSUE**  
 SEPTEMBER 2013

**DATE OF THIS ISSUE**  
 SEPTEMBER 2013

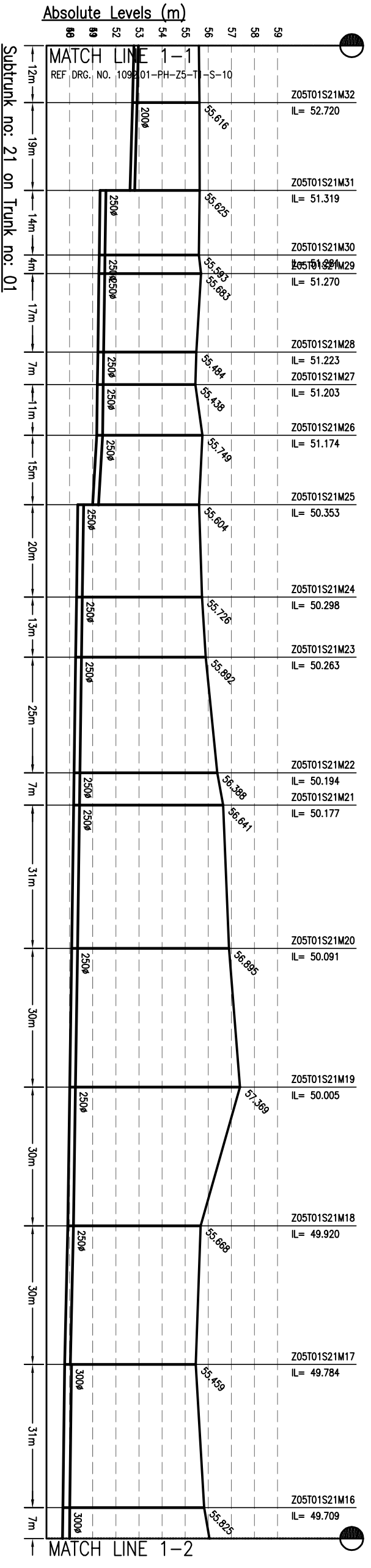
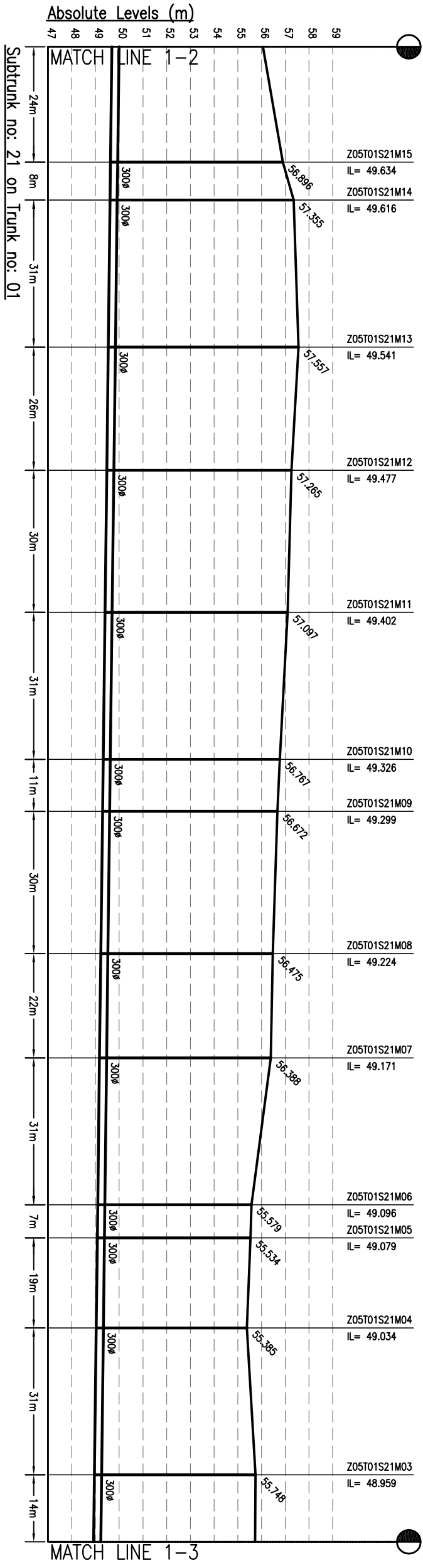
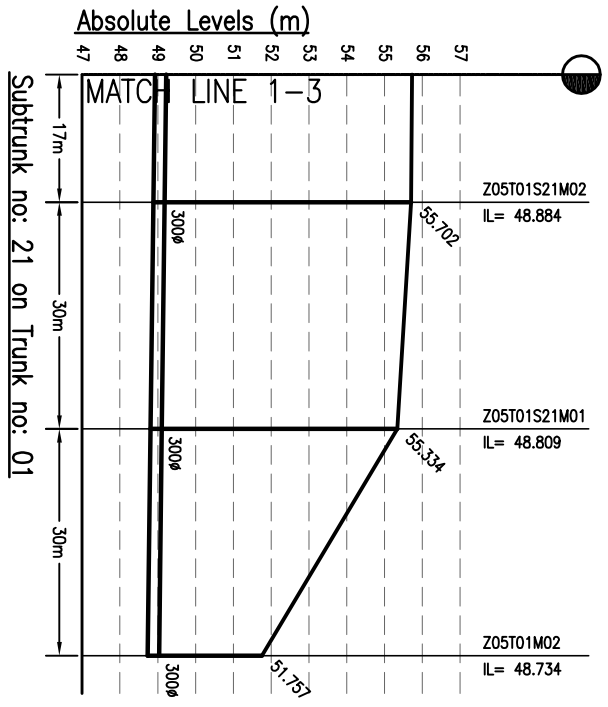
**SCALE**  
 H-1000, V-200

**SHEET SIZE**  
 A3

**DISCIPLINE**  
 PH

**DRAWING NO.**  
 Z5-T1-S-16

**REVISION**  
 00



DATE: 15/12/2009 10:48:10 AM BY: A4/CONSULTANT/AGAM KUAN

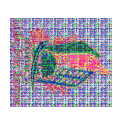
- NOTES:-**
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Drawing Base Reference:-  
**PMC WORK ORDER 3489 DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

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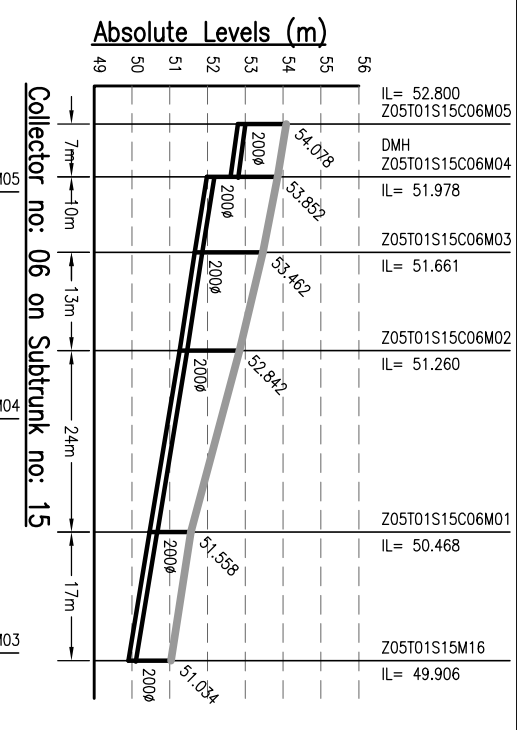
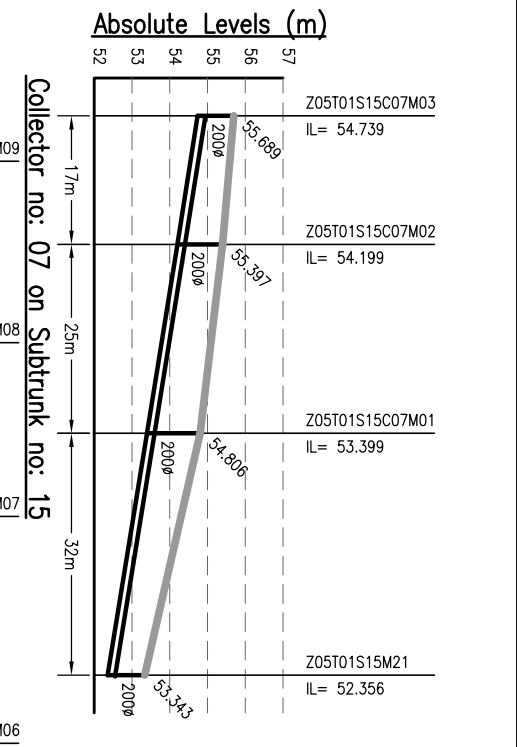
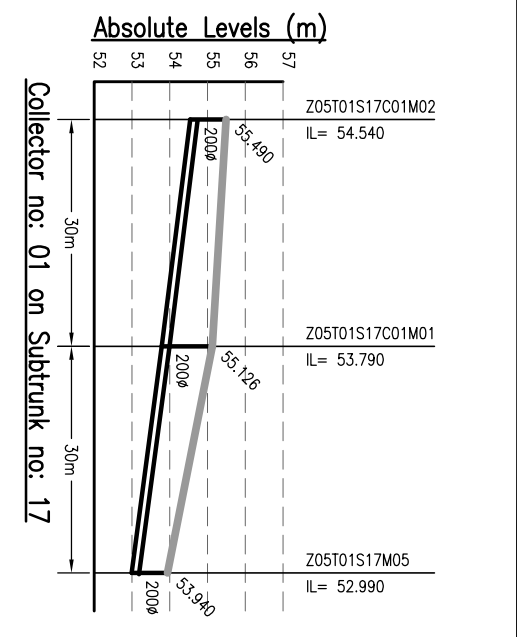
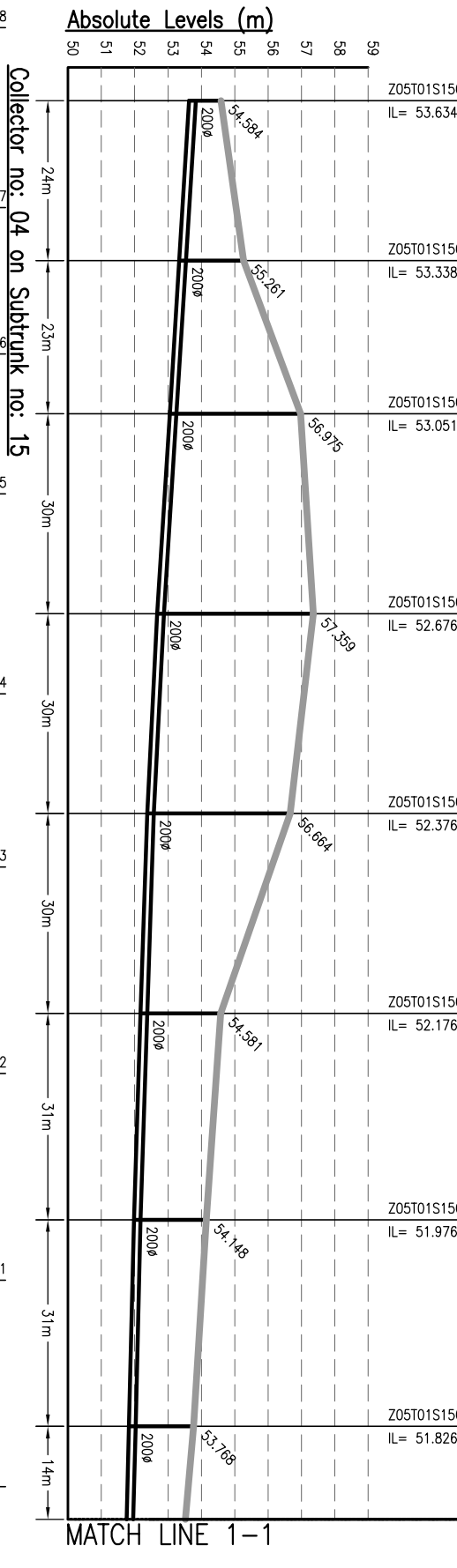
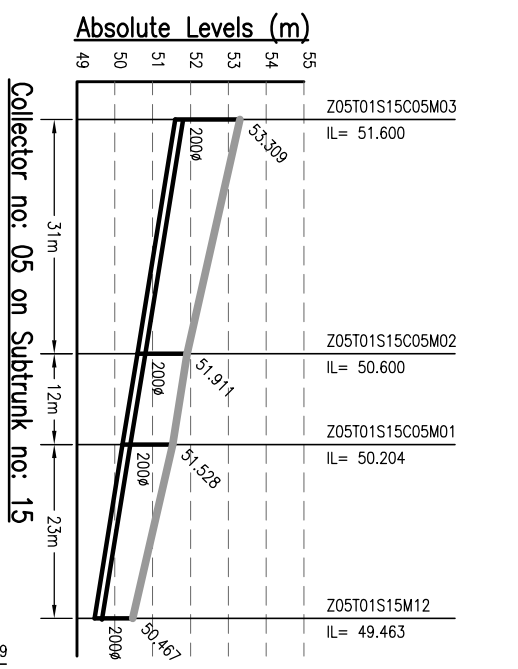
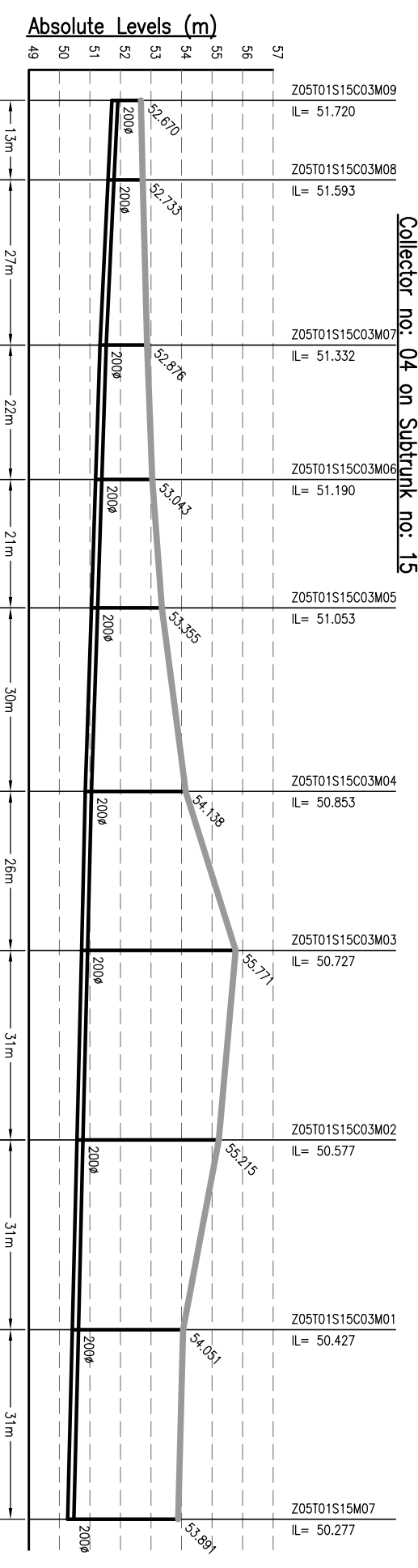
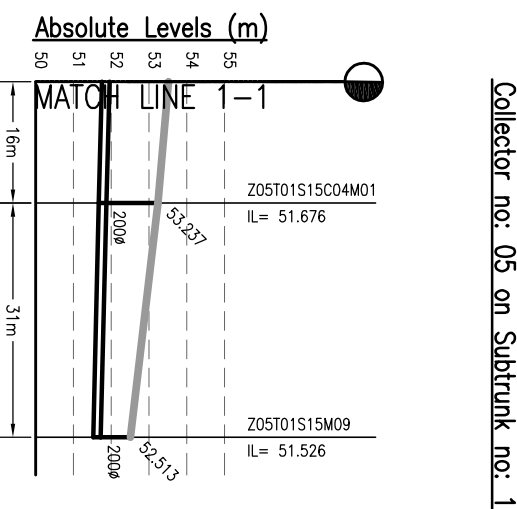
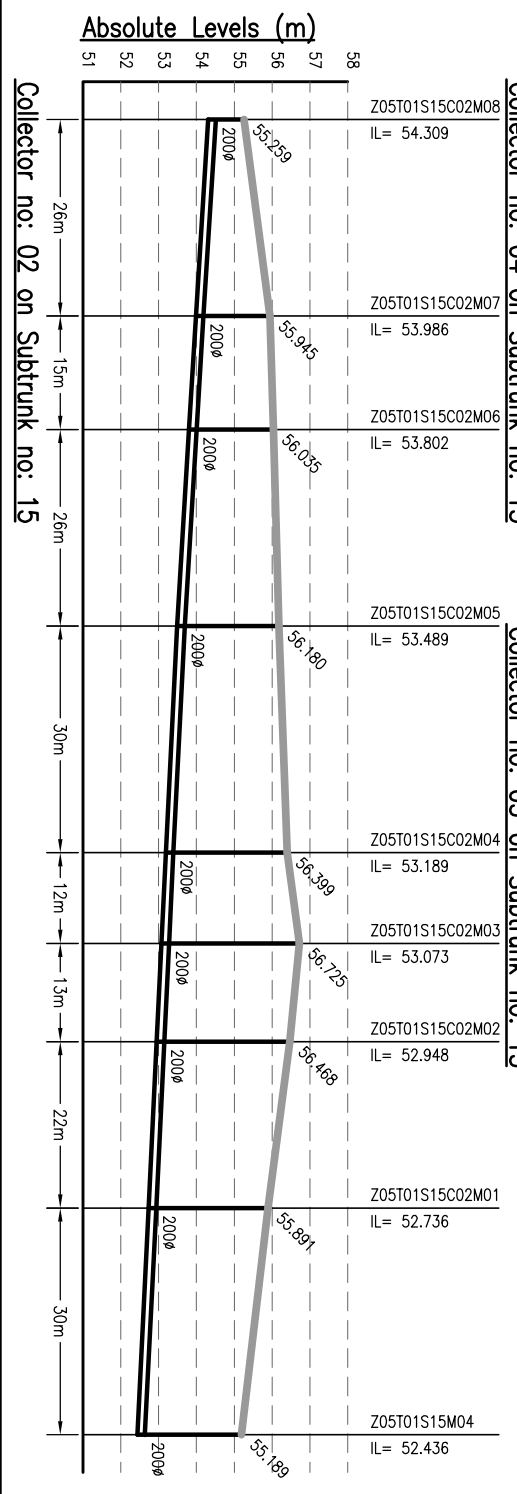
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 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

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

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

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF SUB-TRUNK**  
**ZONE-5, TRUNK-1 (AGAM KUAN)**  
 (PART - 17 OF 17)

PURPOSE OF ISSUE		SCALE :- H-1000, V-200	
DETAILED PROJECT REPORT (SEWERAGE)		SHEET SIZE :- A3	
BY	DATE OF FIRST ISSUE	DATE OF FIRST ISSUE	DATE OF FIRST ISSUE
DRAWN	AH	SEPTEMBER 2013	SEPTEMBER 2013
DESIGNED	JR	SEPTEMBER 2013	SEPTEMBER 2013
CHECKED	RP	SEPTEMBER 2013	SEPTEMBER 2013
APPROVED	CR	SEPTEMBER 2013	SEPTEMBER 2013
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-S-17	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.

DESIGNED	BY	DATE OF FIRST ISSUE
CHECKED	BY	DATE OF FIRST ISSUE
APPROVED	BY	DATE OF FIRST ISSUE
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-11-C-01
		REVISION
		00

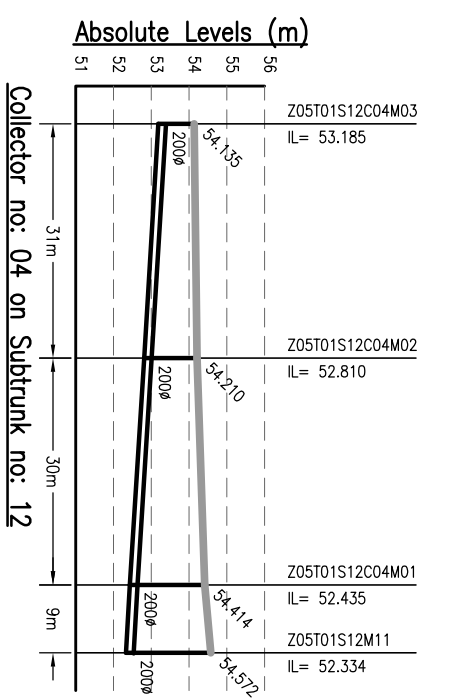
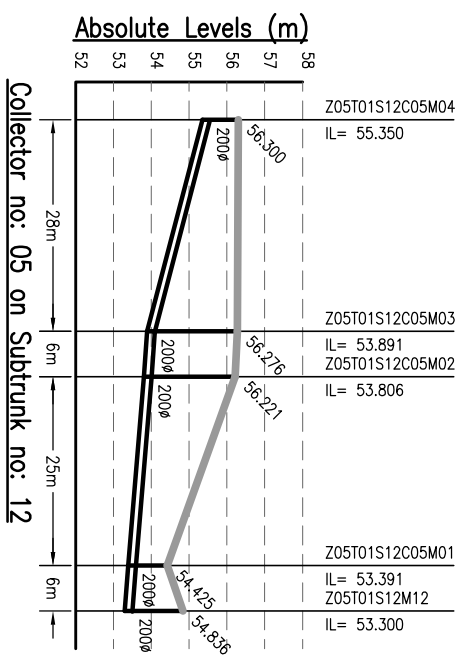
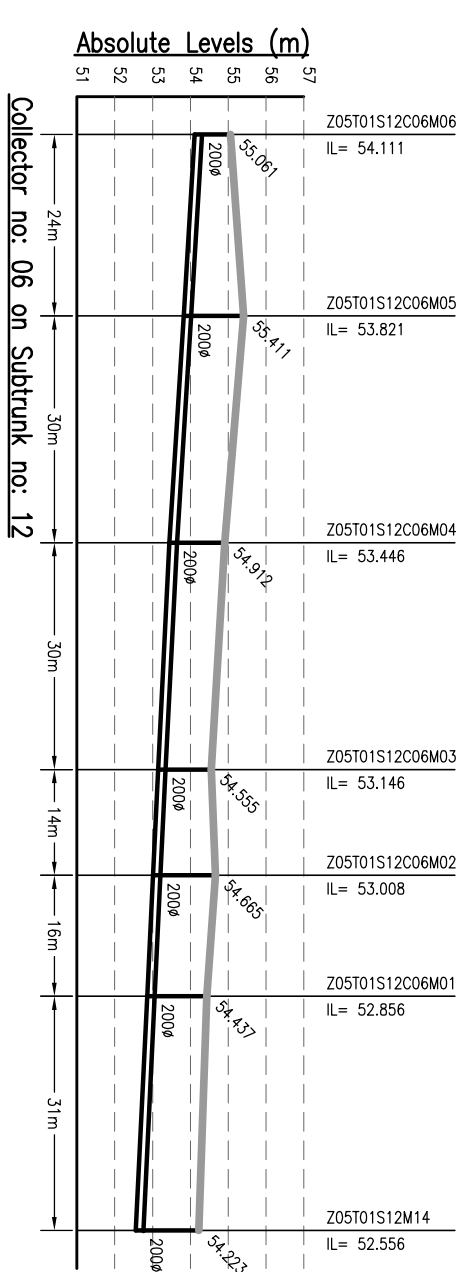
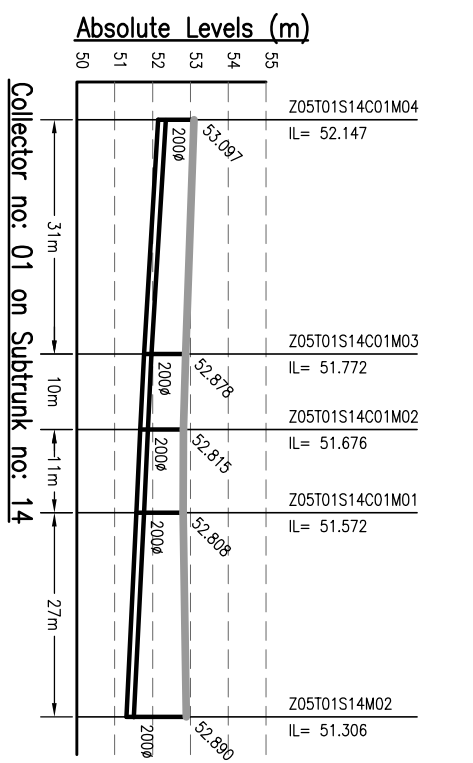
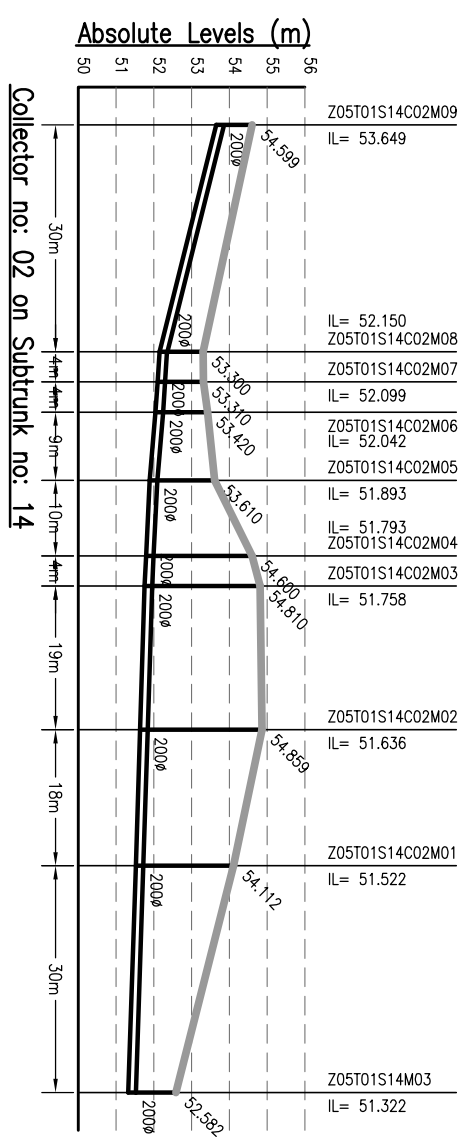
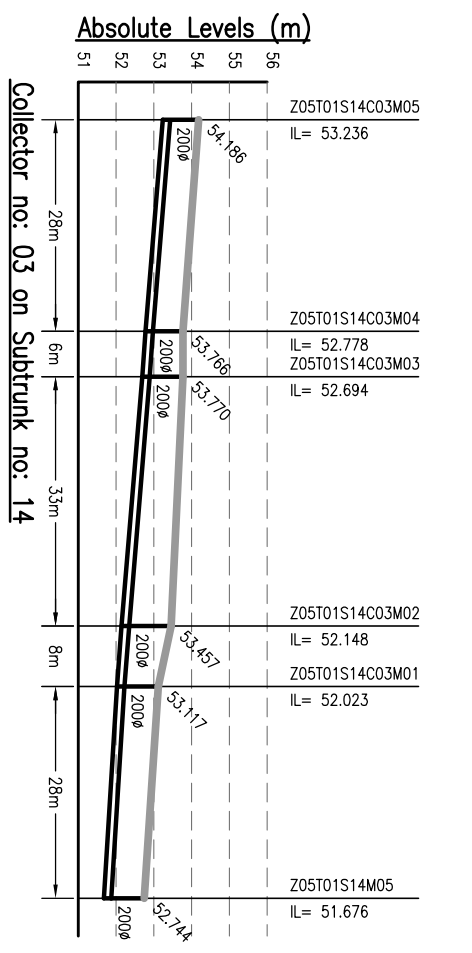
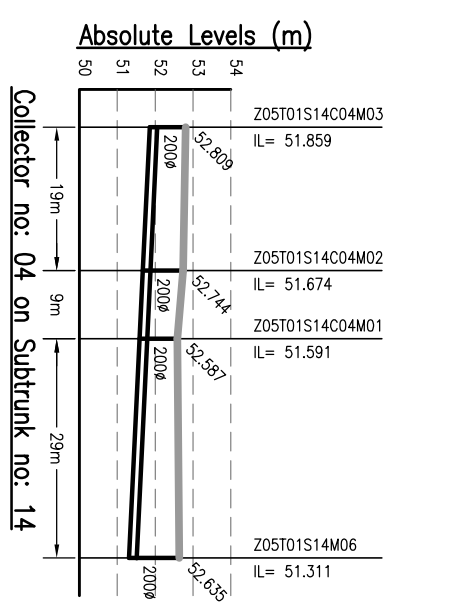
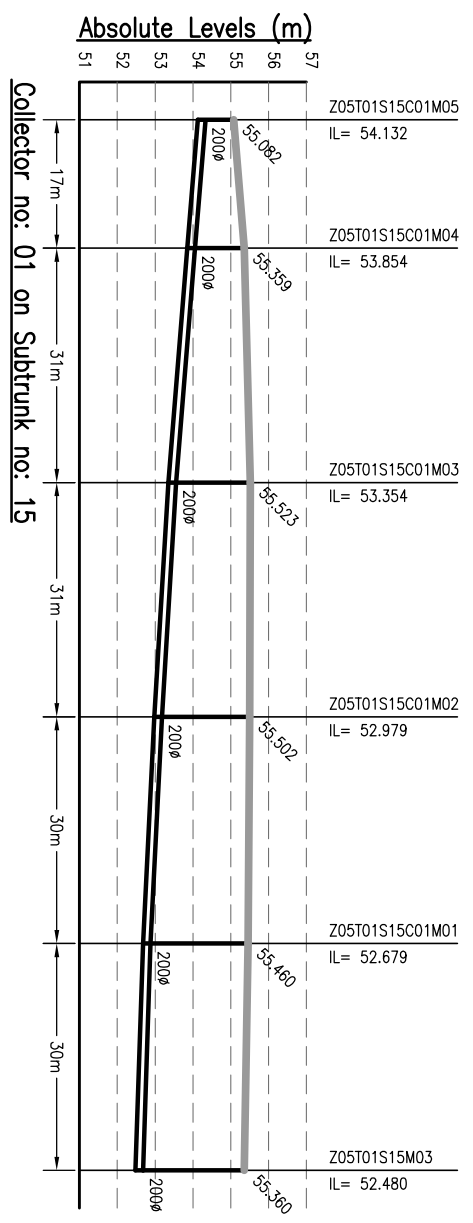
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 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
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REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

CLIENT:-

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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 303 Malabar Tower, 4th Floor, Plot No. 10, Sector-16, Noida-201301, India  
 P.O.:- +91 120 2516165, Fax No.:- +91 120 2515745  
 www.urhidc.org, Email:- urhidc@meinhardtdia.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**

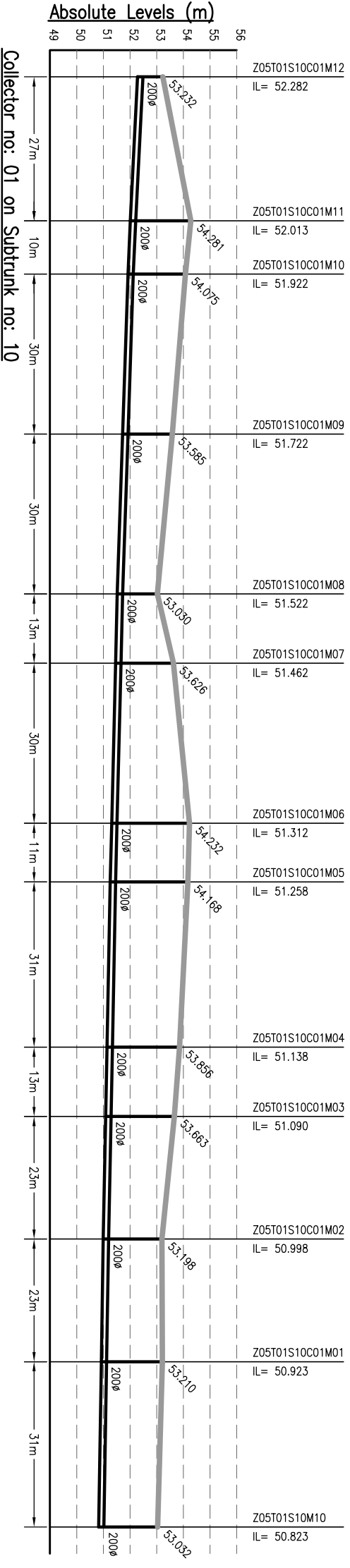
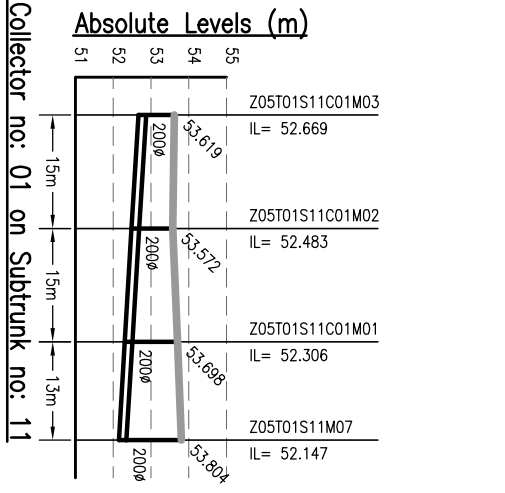
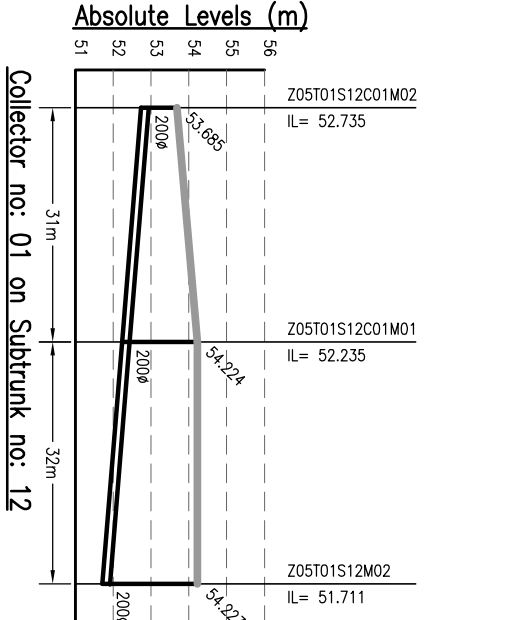
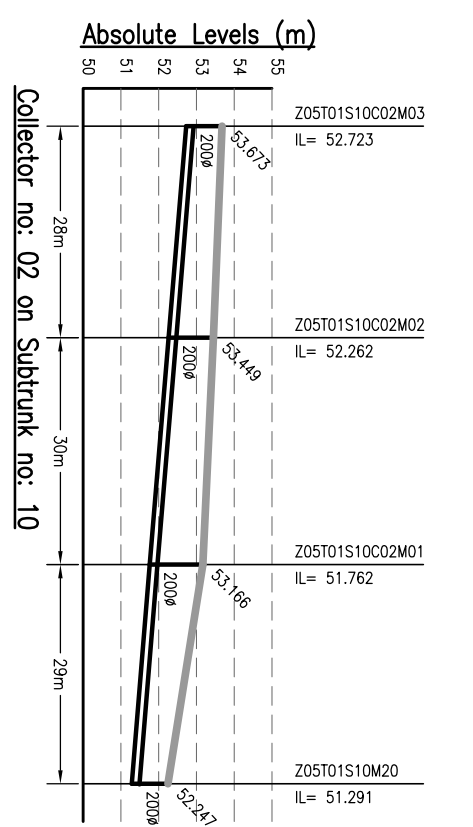
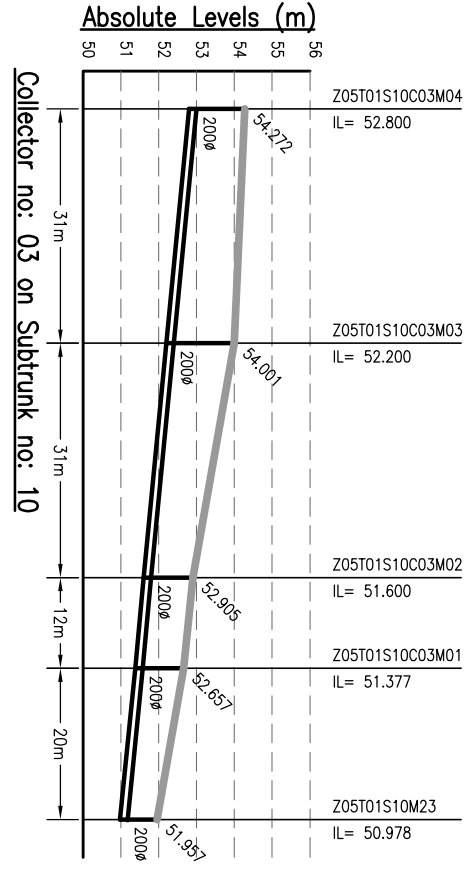
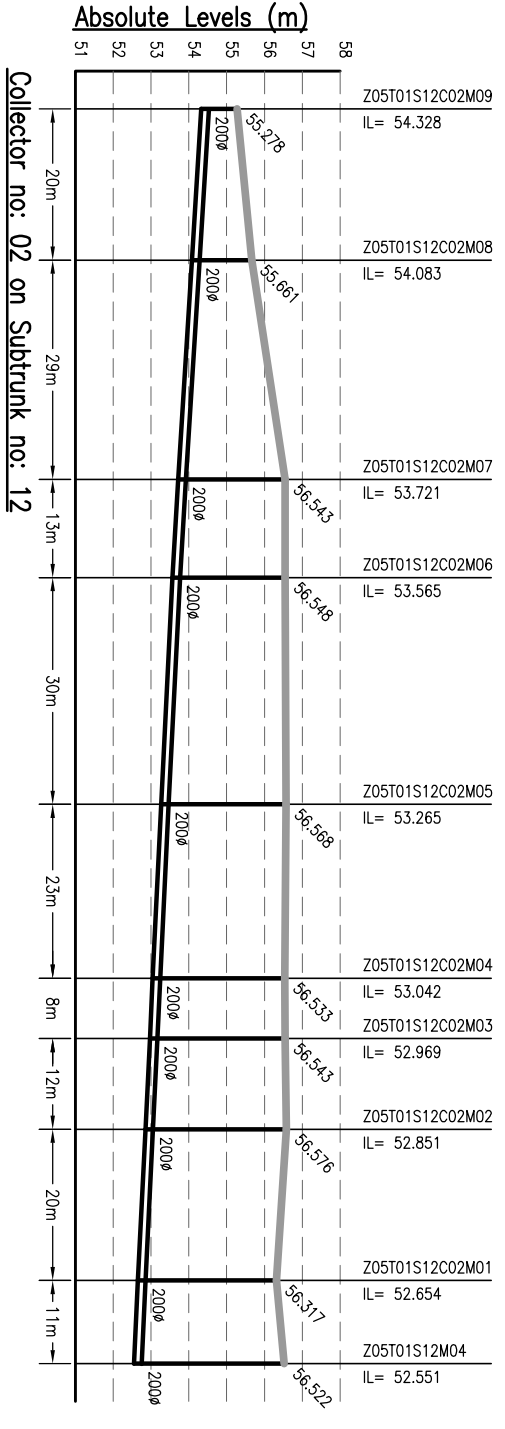
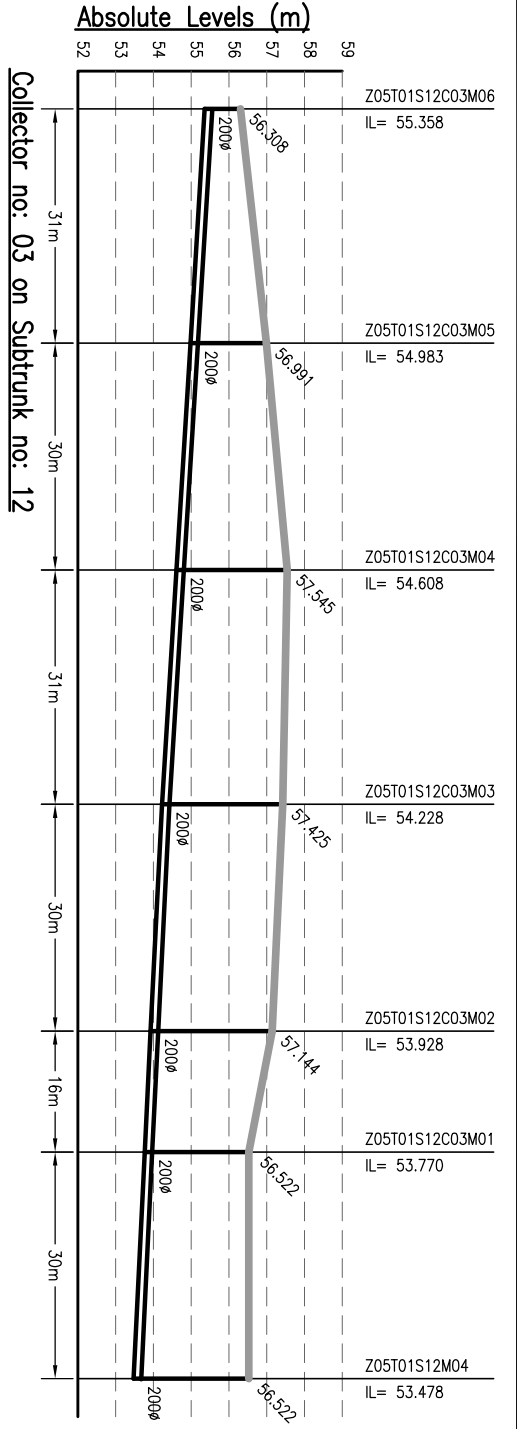
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 A-8, Sector-16, Noida-201301, India  
 P.O.:- +91 120 2516165, Fax No.:- +91 120 2515745  
 www.meinhardtdia.com, Email:- info@meinhardtdia.com

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 2 OF 13)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE	BY	CHECKED	APPROVED
PH	MAY 2013	H-1000, V-200	AH	JR	CR
PH	MAY 2013				
PH	MAY 2013				

**JOB NO. 1092.01**  
**DRAWING NO. Z5-11-C-02**  
**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 91 2210101, Fax: +91 91 2210103  
 Website: [www.buidc.co.in](http://www.buidc.co.in)

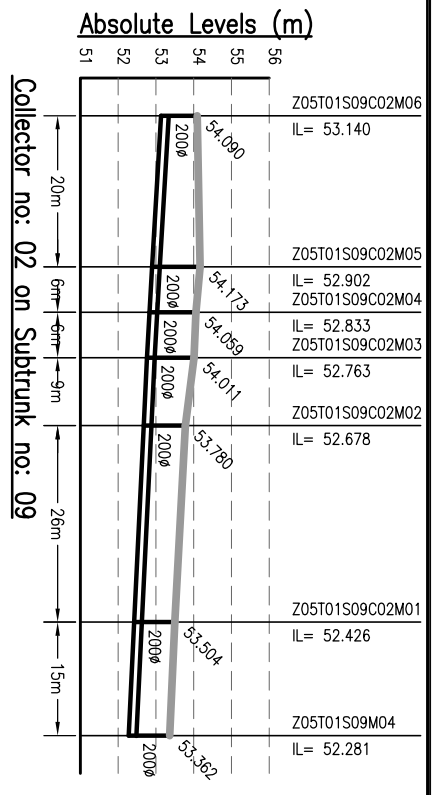
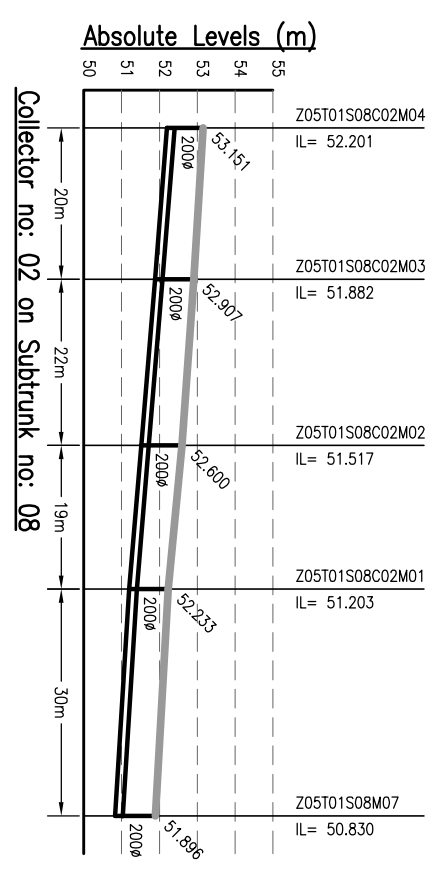
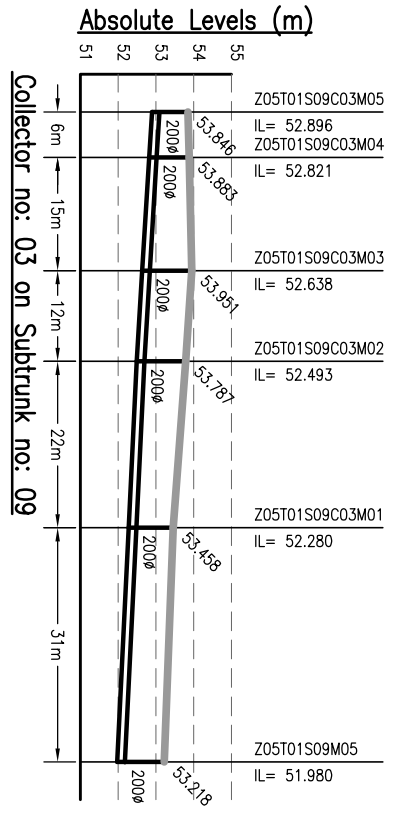
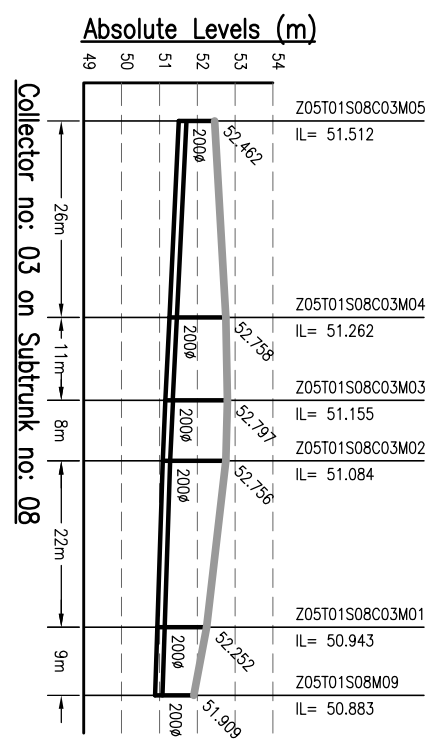
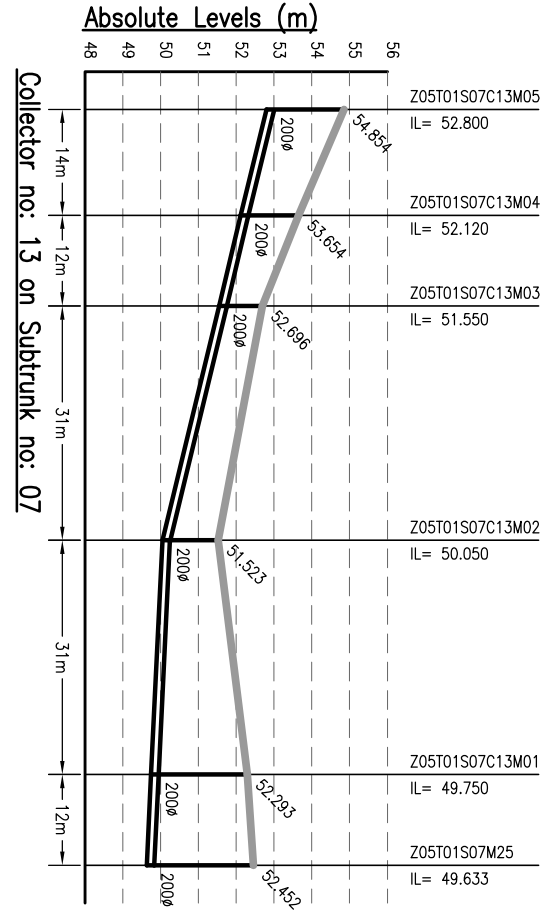
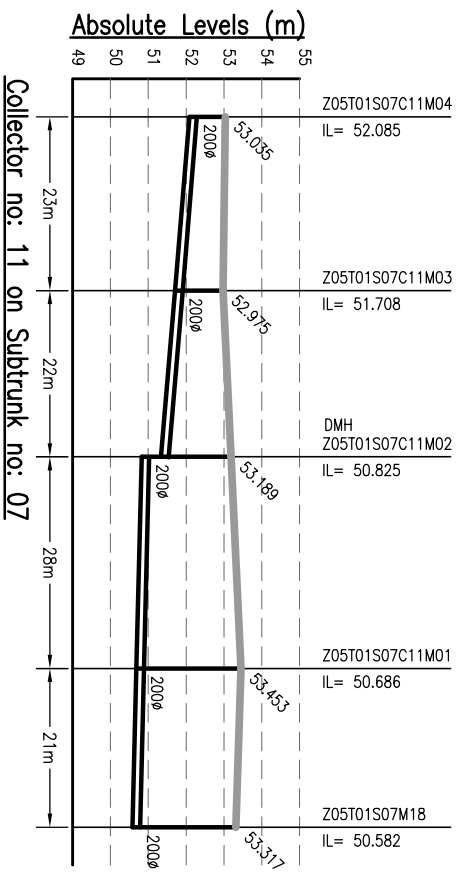
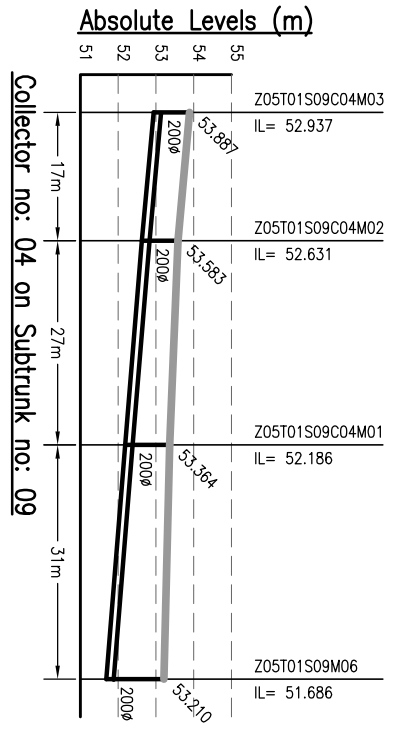
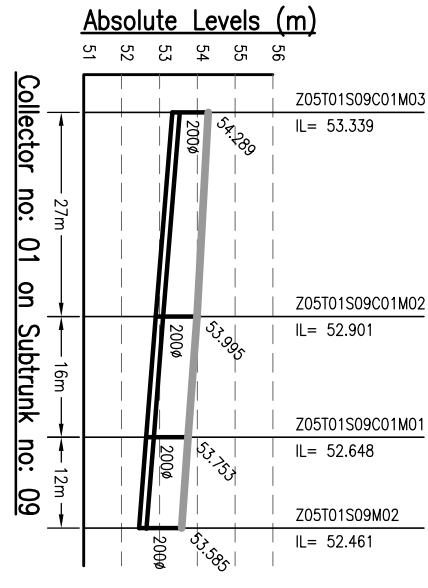
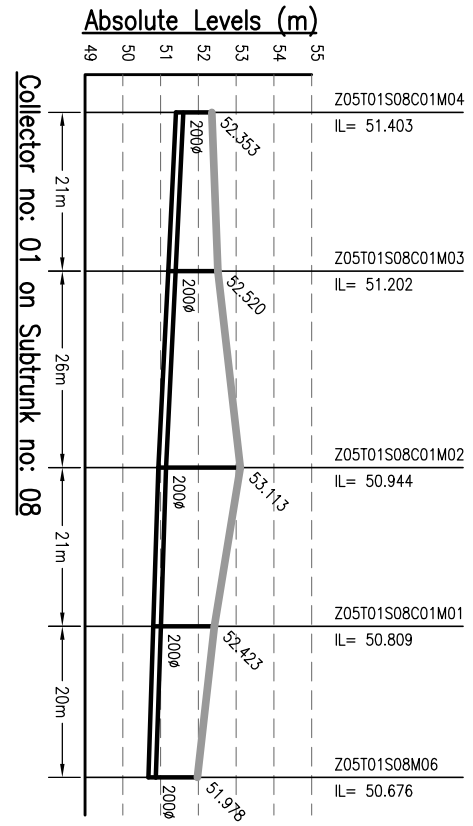
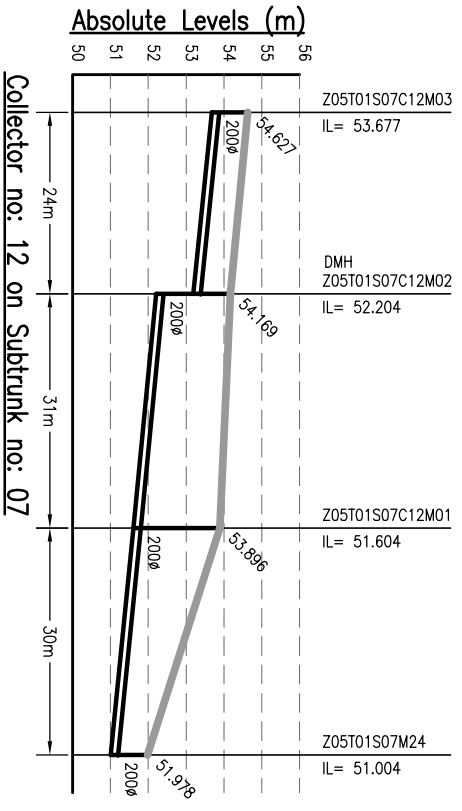
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS;  
**TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM**

**CONSULTANT:-**  
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 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 COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 3 OF 13)

DISCIPLINE	REVISION
PHI	Z5-11-C-03
00	00

**JOB NO. 1092.01**



DATE PLOTTED: 04/12/2013 10:40:00 AM

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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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BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
303 Malabar Tower, 10th Floor, Plot No. 10, Sector-16, Gurgaon, Haryana-122001, India  
Phone: +91 120 2516165, Fax: +91 120 2515745  
Website: [www.bidc.gov.in](http://www.bidc.gov.in)

**PROJECT:-**  
PREPARATION OF DETAILED TENDERING FOR EXECUTION, CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

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

**DRAWING TITLE**  
SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)

**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT (PART - 4 OF 13)

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

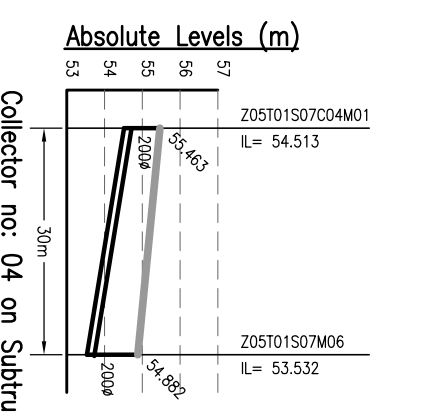
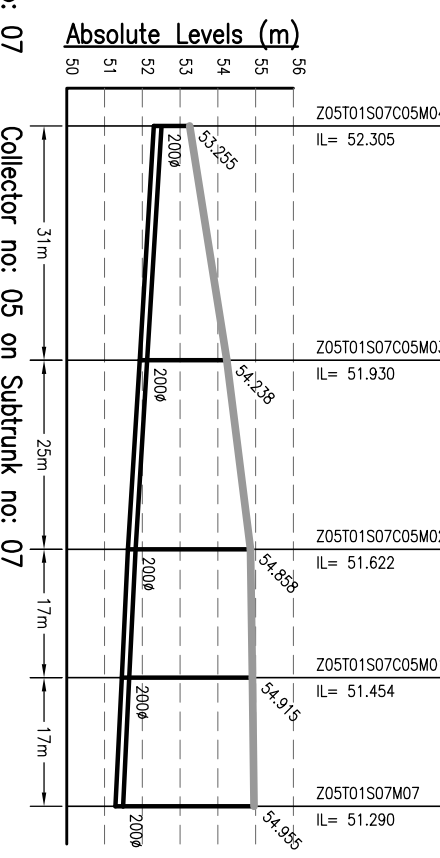
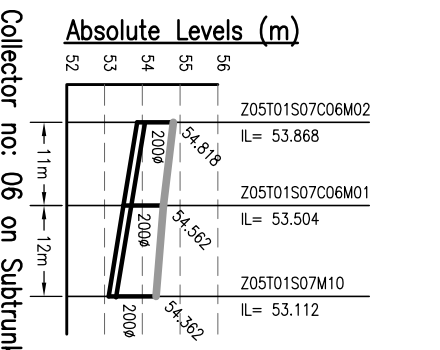
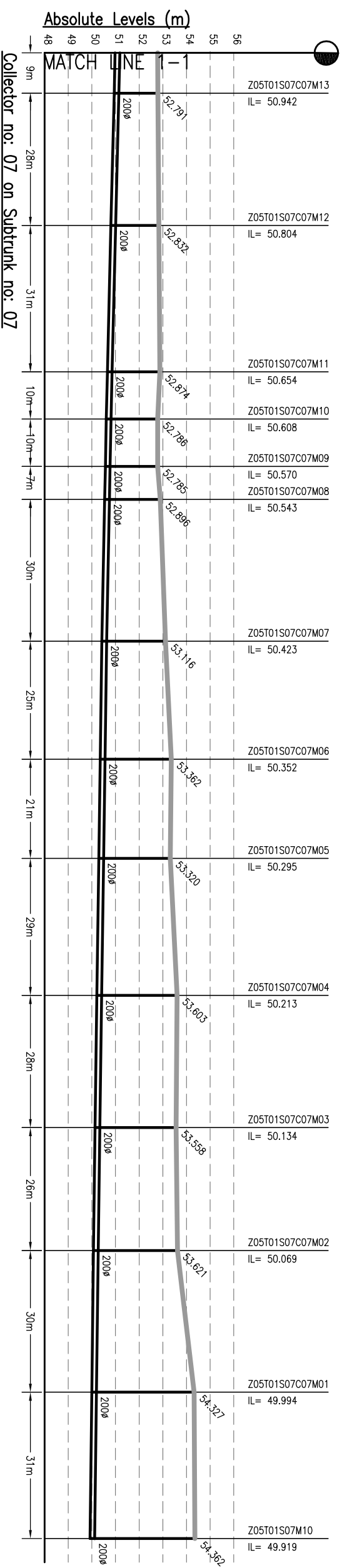
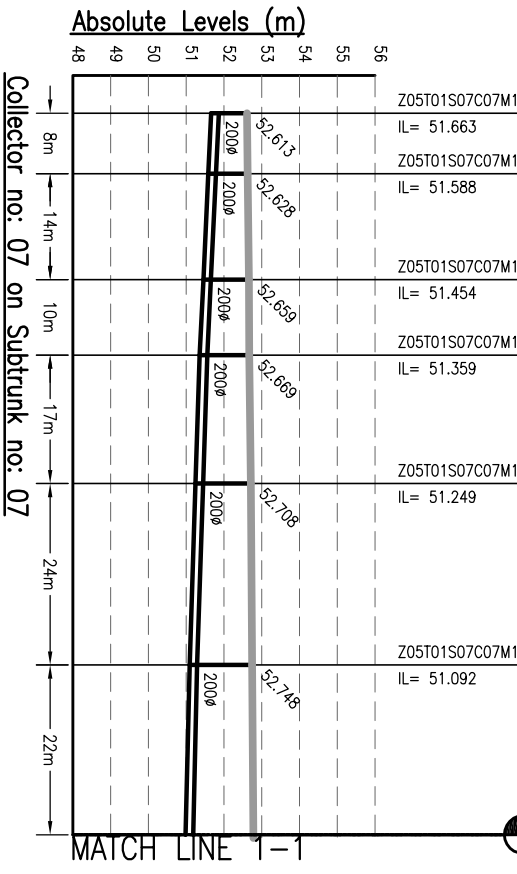
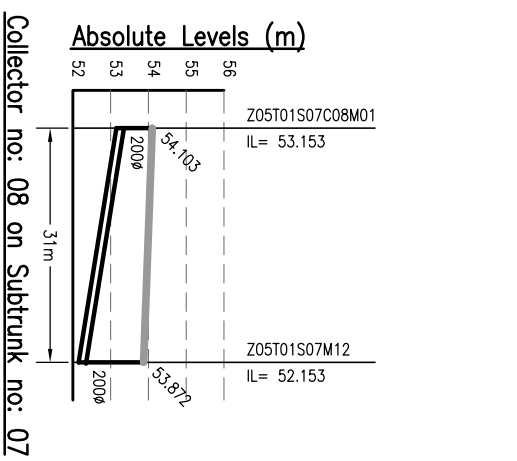
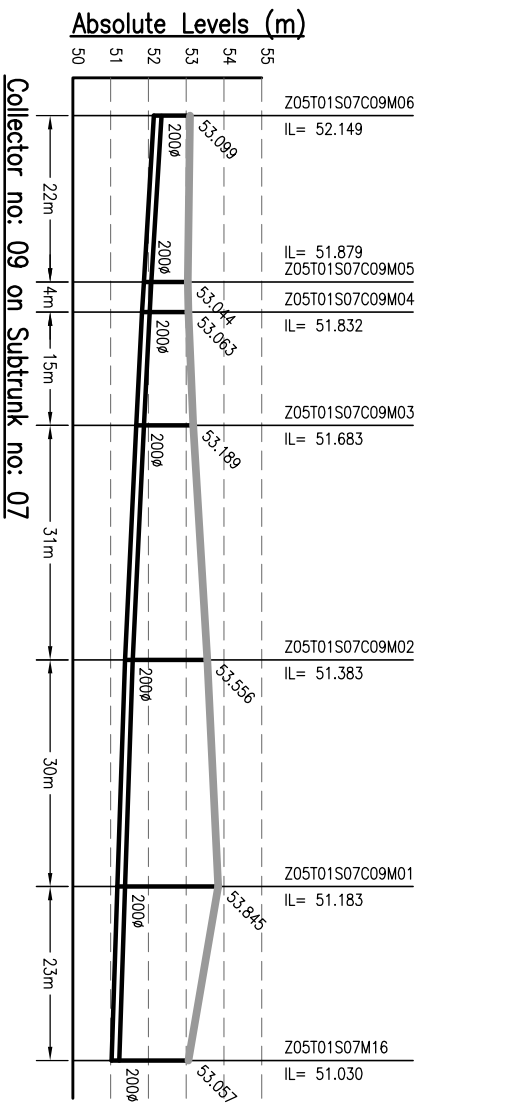
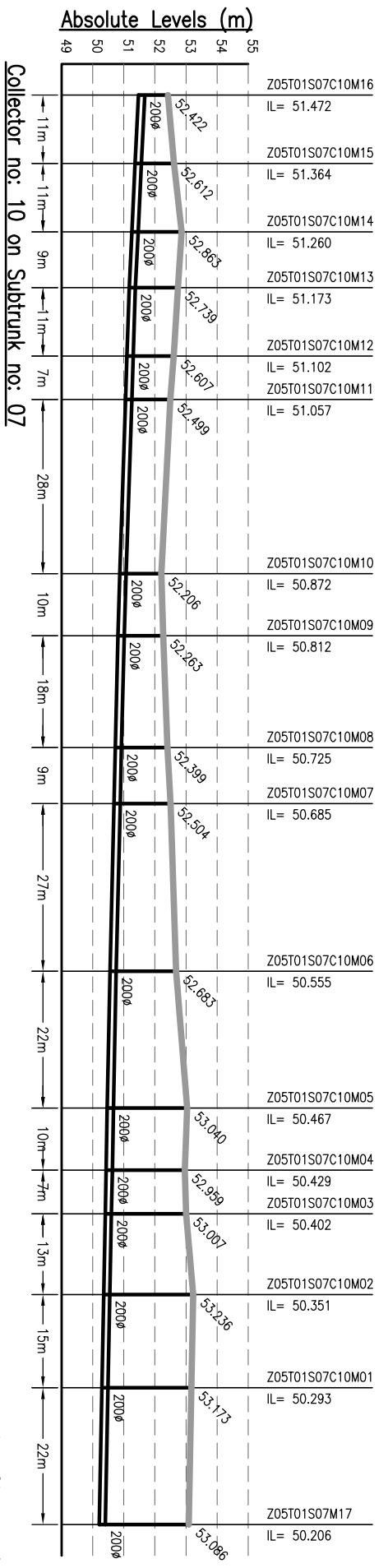
**DATE OF FIRST ISSUE**  
MAY 2013

**DATE OF THIS ISSUE**  
MAY 2013

**DESIGNED** : JR  
**CHECKED** : RP

**APPROVED** : CRR  
**DISCIPLINE** : PH

**JOB NO.** : 1092.01  
**DRAWING NO.** : Z5-11-C-04  
**REVISION** : 00



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Drafting 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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 303 Mahara Tower, 10th Floor, Plot No. 10, Sector-16, Noida-201301, India  
 Phone: +91 120 2516165, Fax: +91 120 2515745  
 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:-**

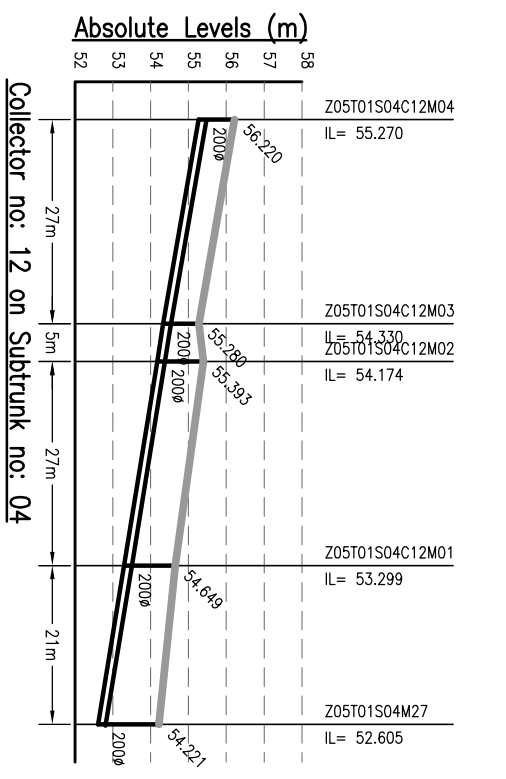
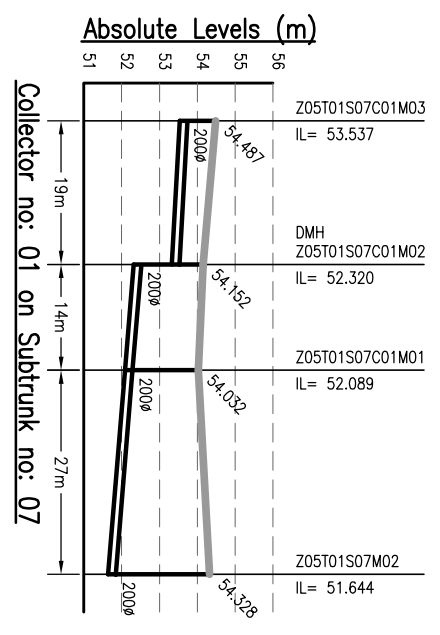
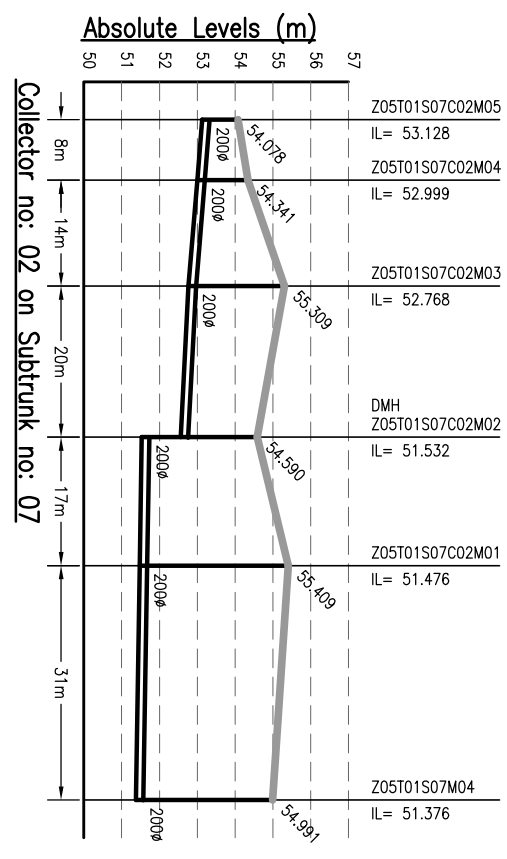
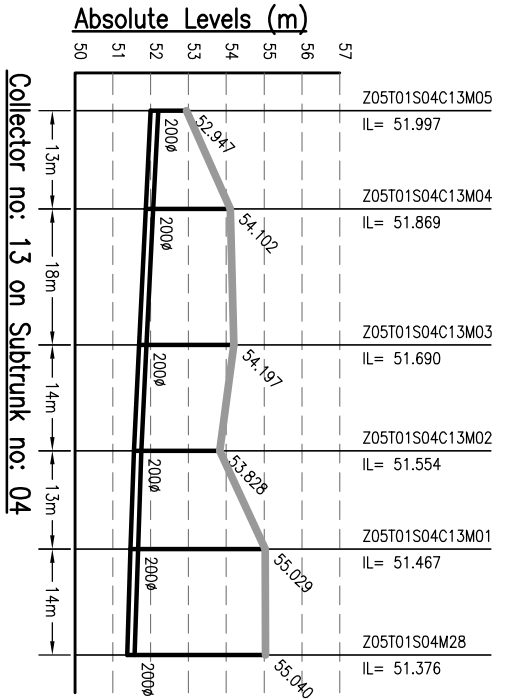
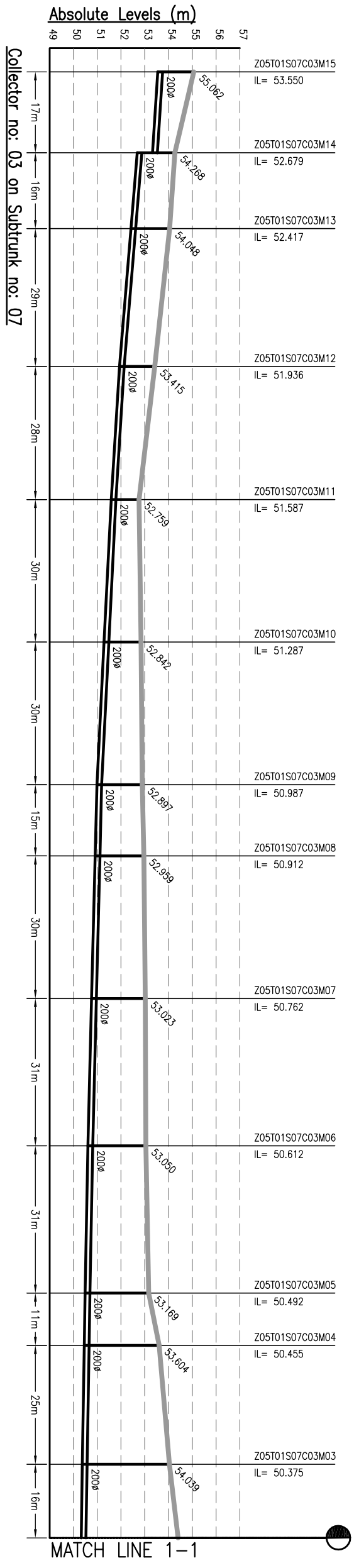
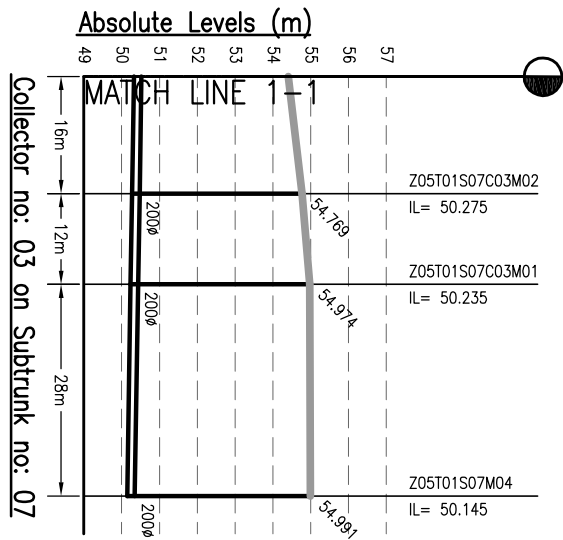
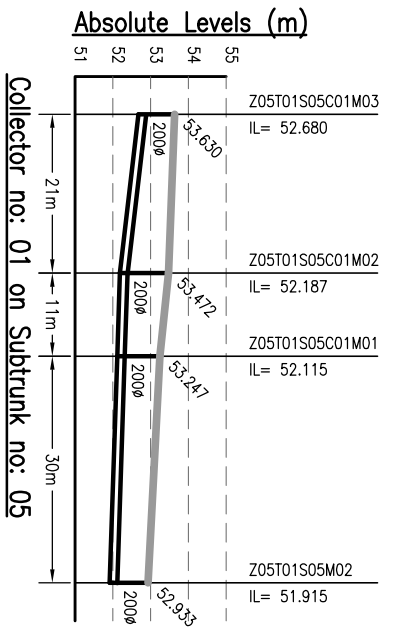
  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 5 OF 13)

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

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

DISCIPLINE	NO.	REVISION
PH	25-11-C-05	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

**AMENDMENTS**

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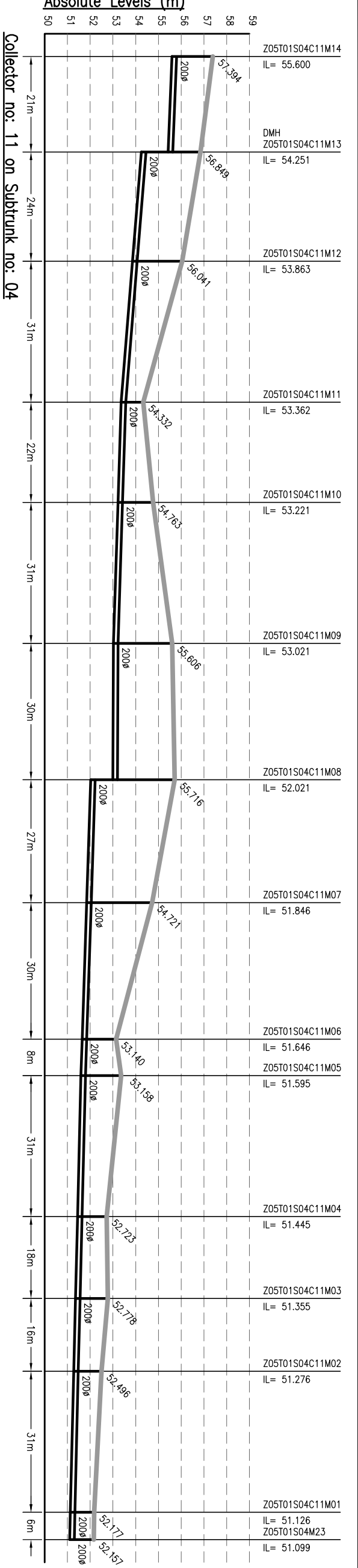
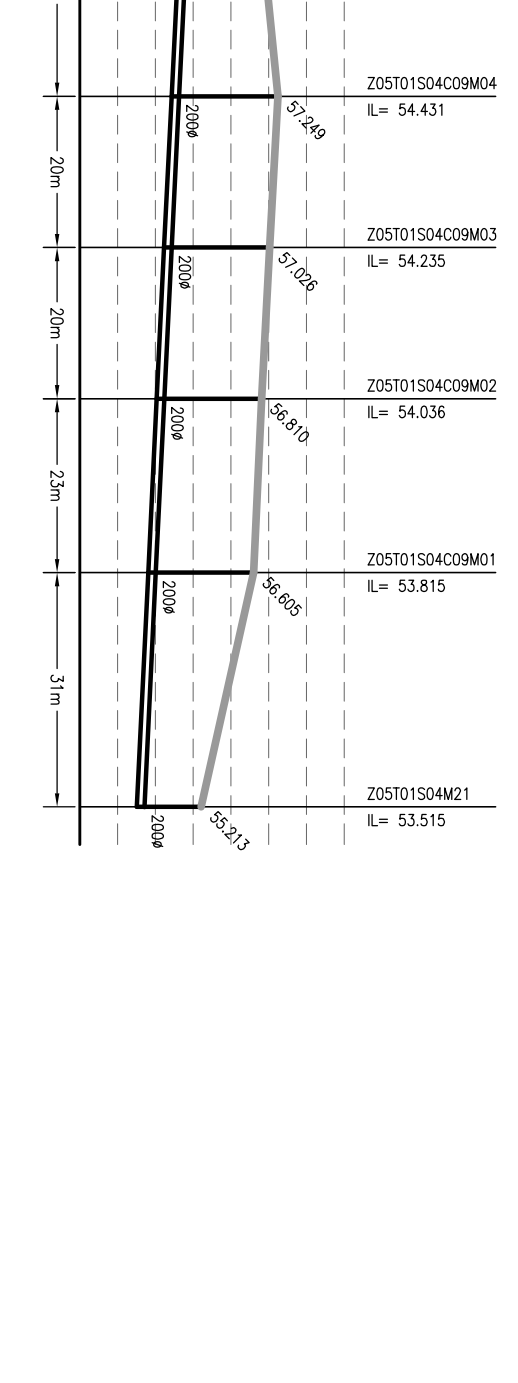
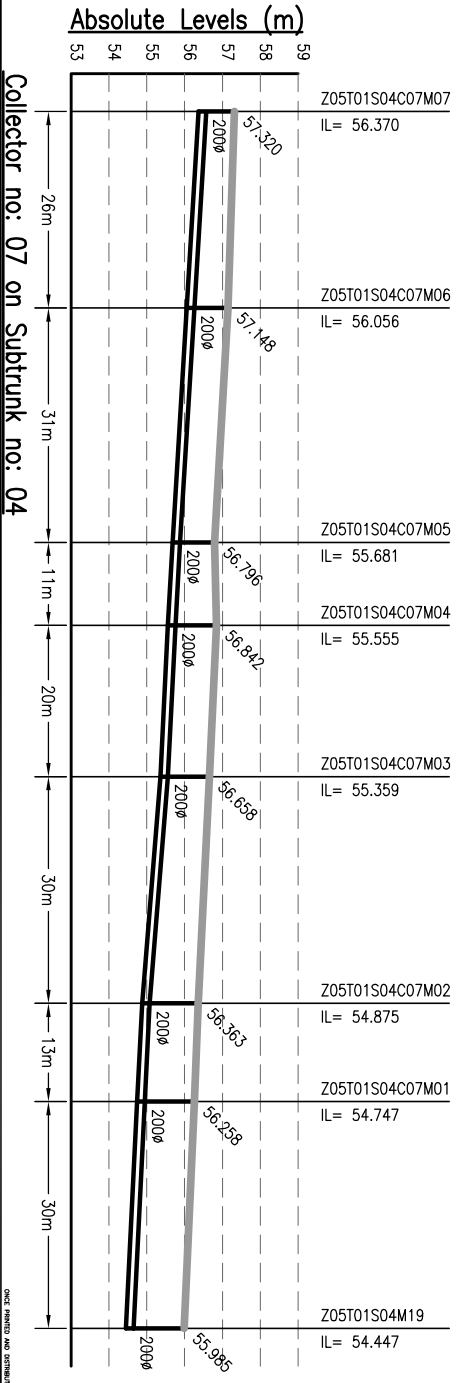
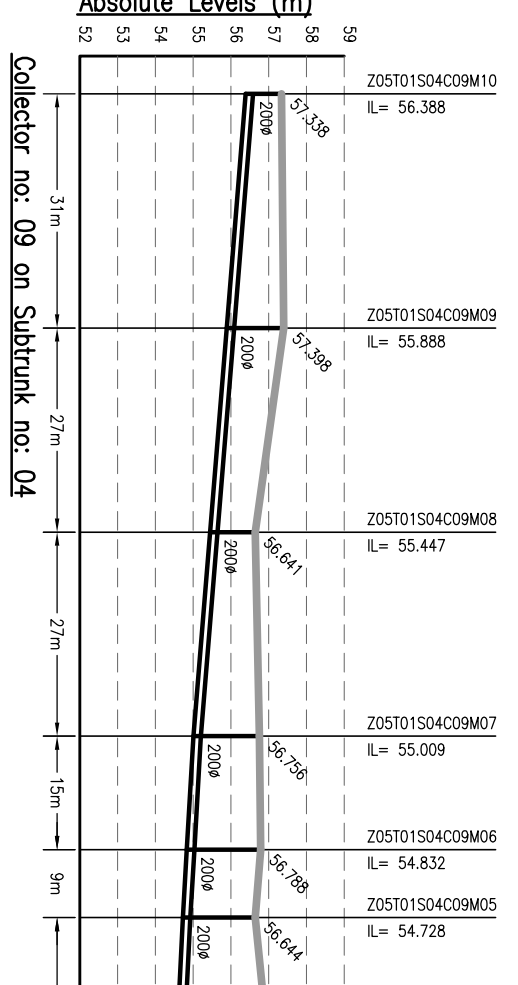
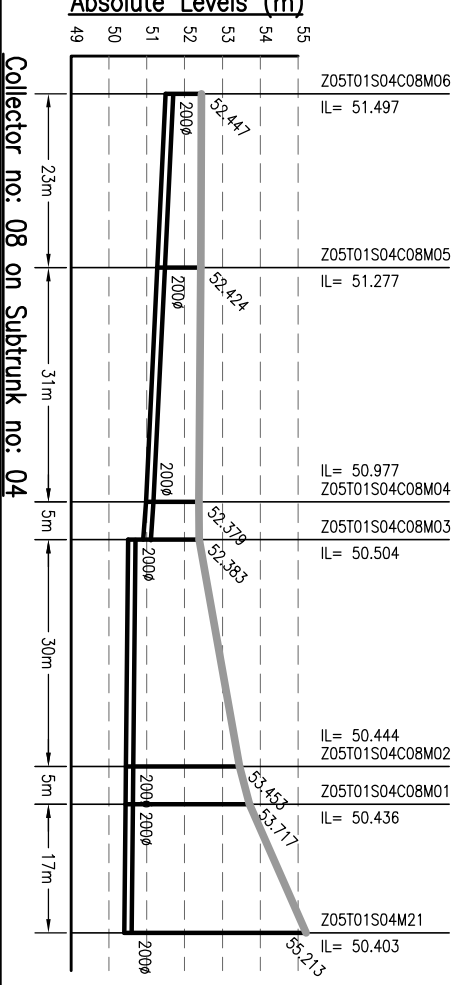
**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

**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:-**  
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 P: +91 120 2516165, F: +91 120 2515745  
 www.meinhardtgroup.com, Email: info@meinhardtindia.com

**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-1 (SPS-A)

DISCIPLINE	DATE OF FIRST ISSUE	SCALE	SHEET SIZE
DRAWN	BY	H-1000, V-200	A3
DESIGNED	BY		
CHECKED	BY		
APPROVED	BY		
JOB NO.	1092.01	DISCIPLINE	PH
DRAWING NO.	Z5-11-C-06	REVISION	00



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 A-8, Sector-16, Noida-201301, India  
 P.h.: +91 120 2516165, Fax No.: +91 120 2515745  
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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

CONSULTANT:-

DRAWING TITLE  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 7 OF 13)

DESIGNED	JR	MAY 2013
CHECKED	RP	MAY 2013
APPROVED	CRR	MAY 2013
JOB NO.	DISCIPLINE	DRAWING NO.
1092.01	PH	Z5-11-C-07
		REVISION
		00

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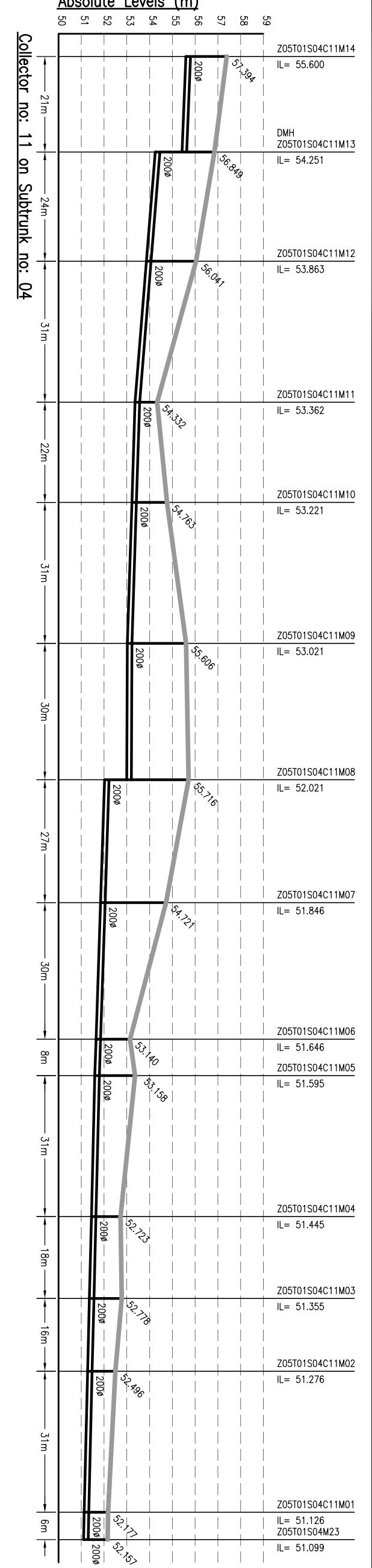
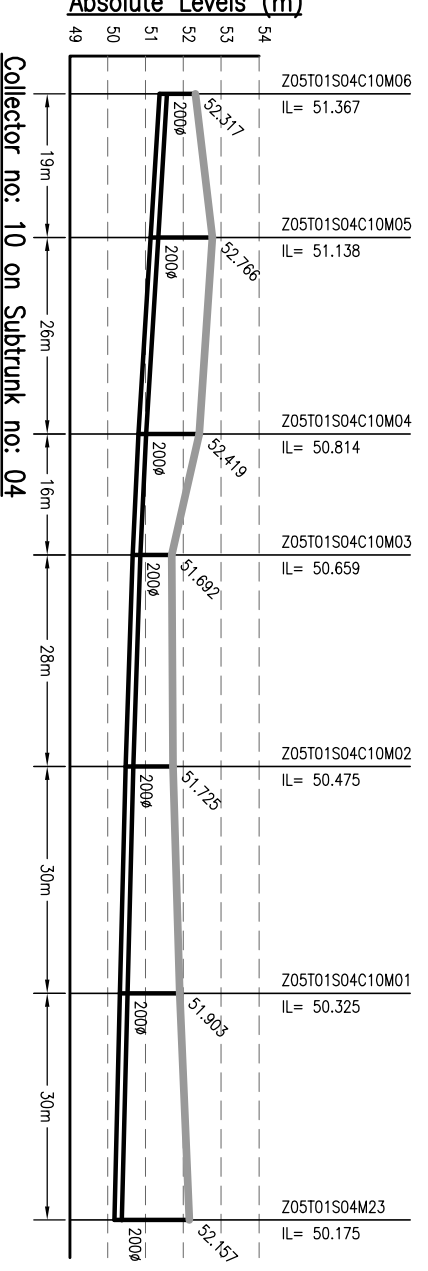
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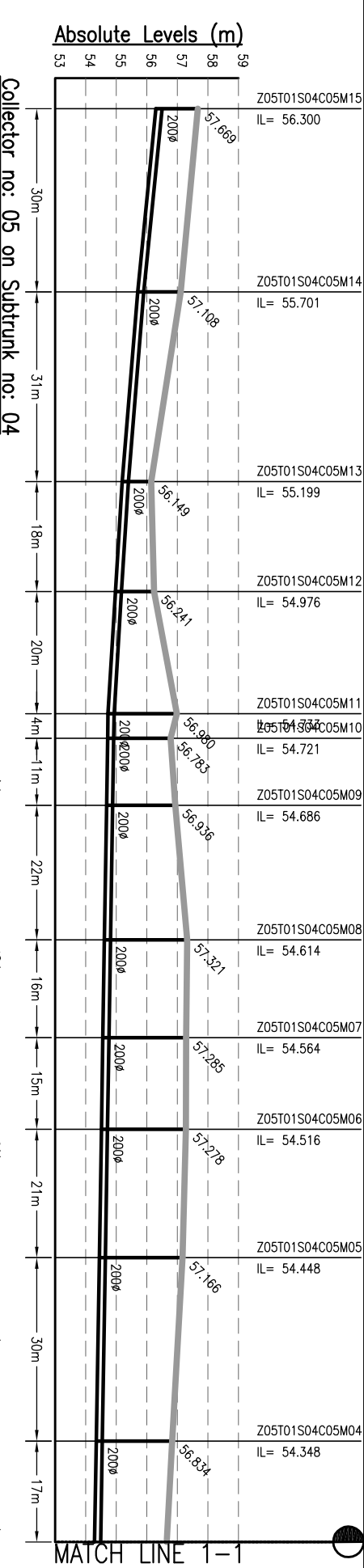
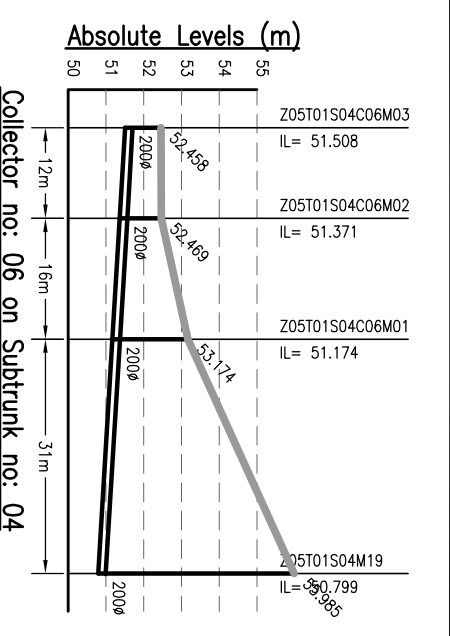
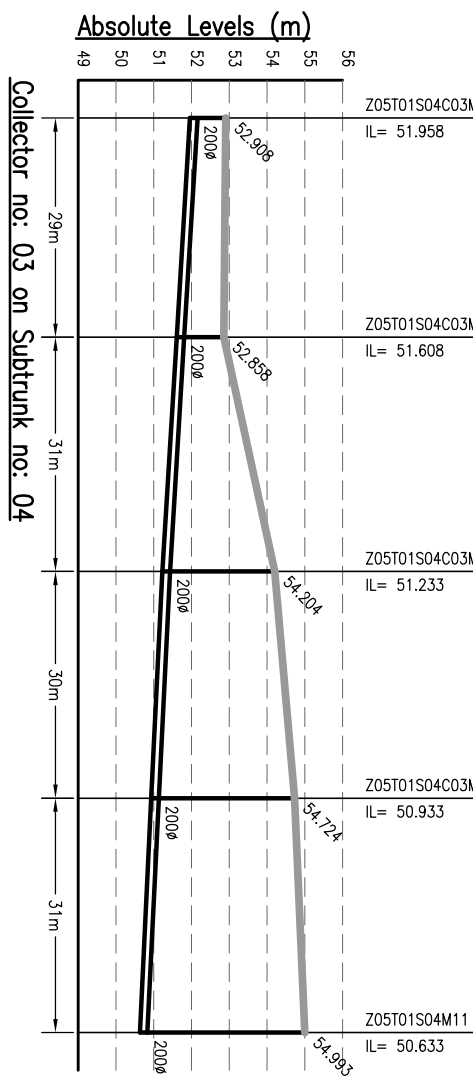
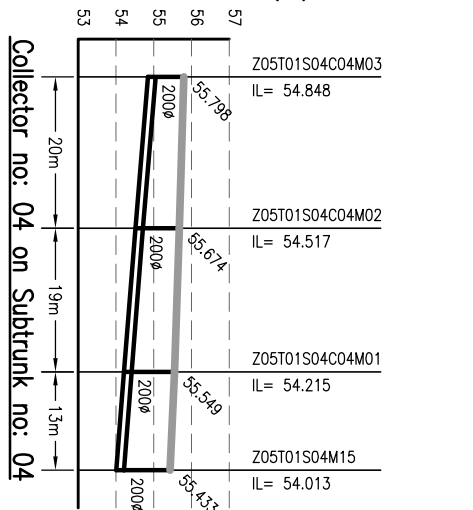
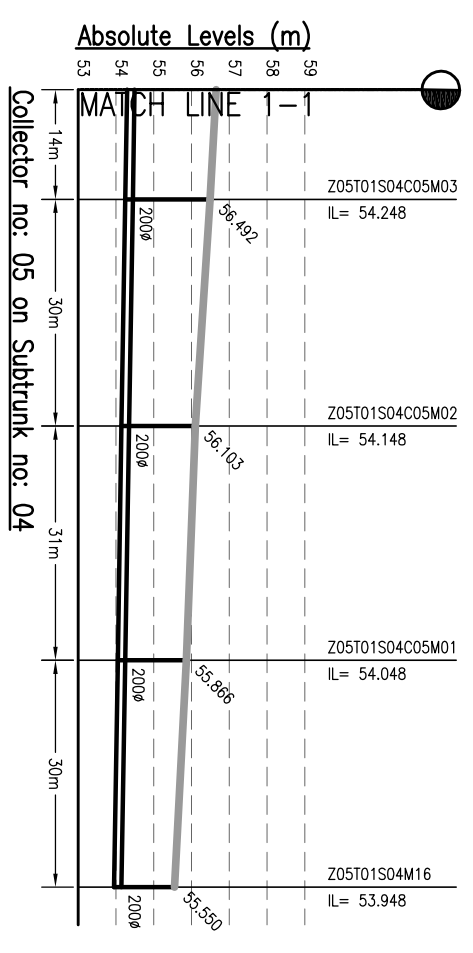
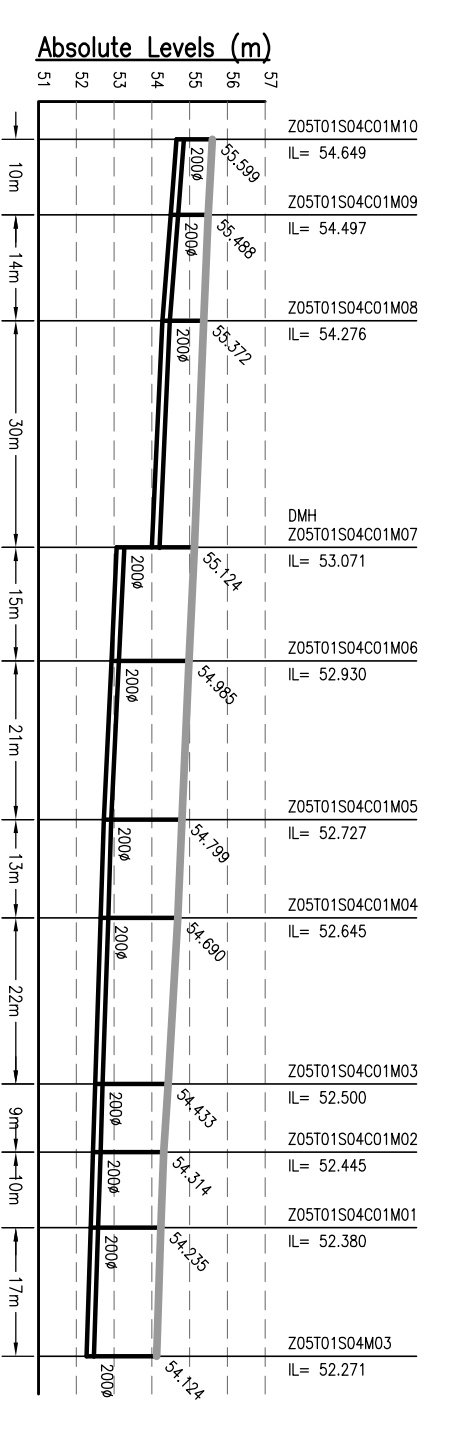
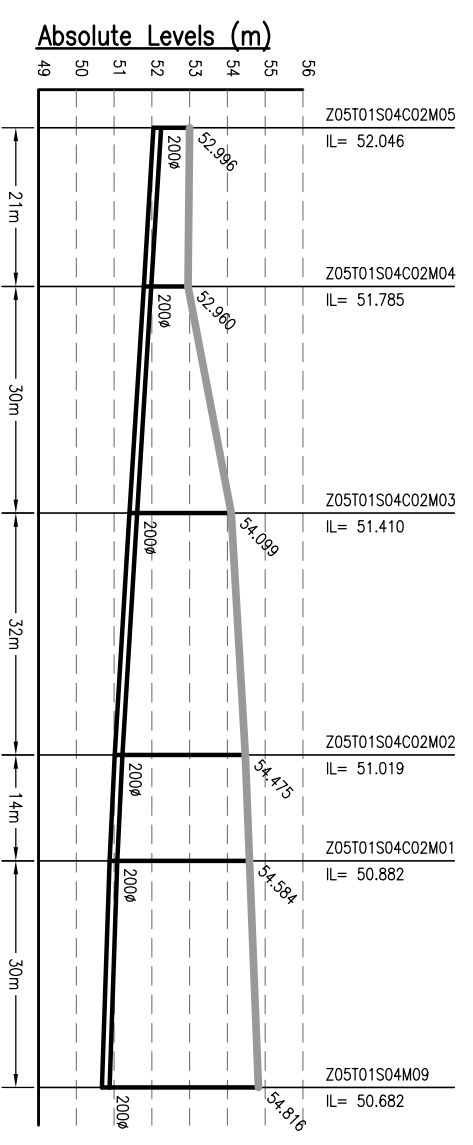
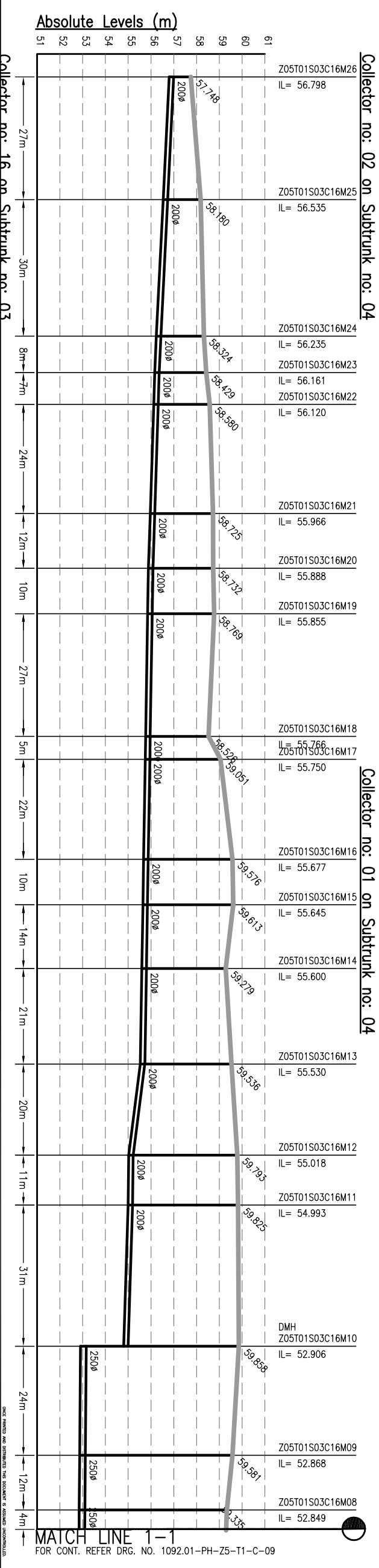
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00	MAY'13	AH	DRAFT DPR SUBMISSION	RP

AMENDMENTS



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MATCH LINE 1-1  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T1-C-09

MATCH LINE 1-1

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

303 Malacca Tower,  
1001/1002/1003,  
P.O. Box 100,  
Waterloo, Singapore 180010.  
Phone: +65 6722 0101 Fax: +65 6722 0103  
Website: [www.bidc.org.sg](http://www.bidc.org.sg)

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

CONSULTANT:-  
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A-8, Sector-16, Noida-201301, India  
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DRAWING TITLE  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
(PART - 8 OF 13)

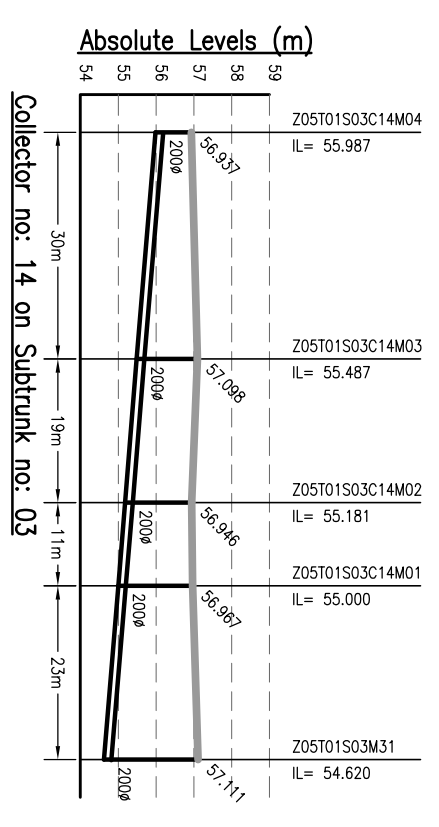
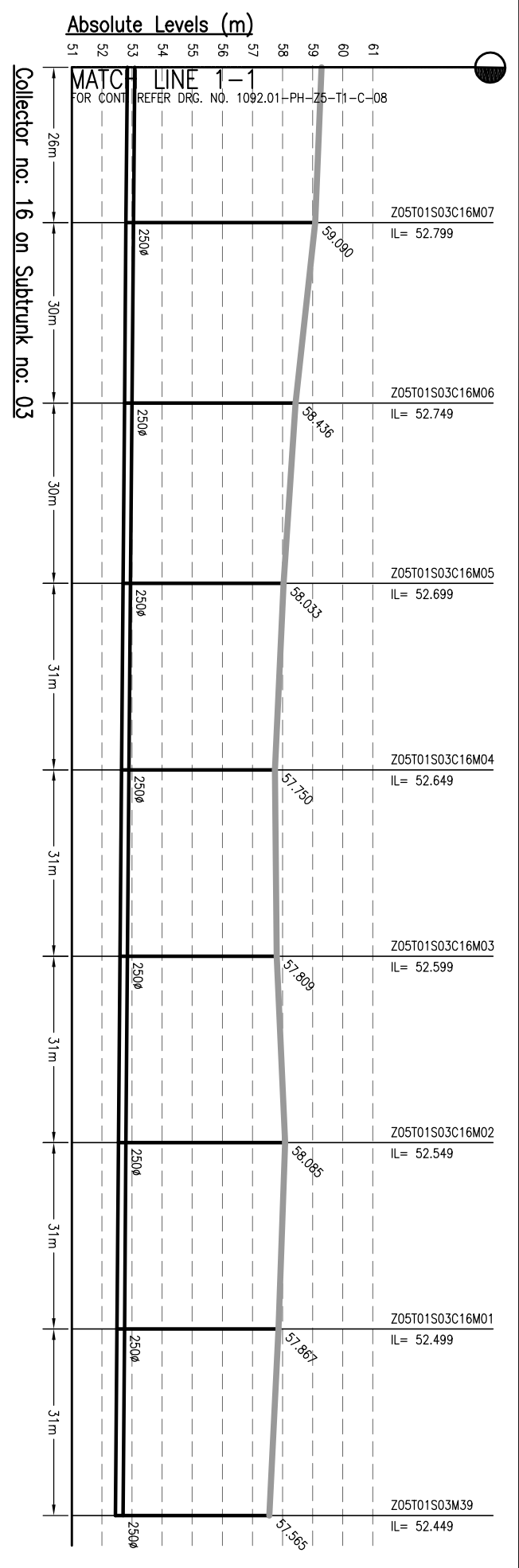
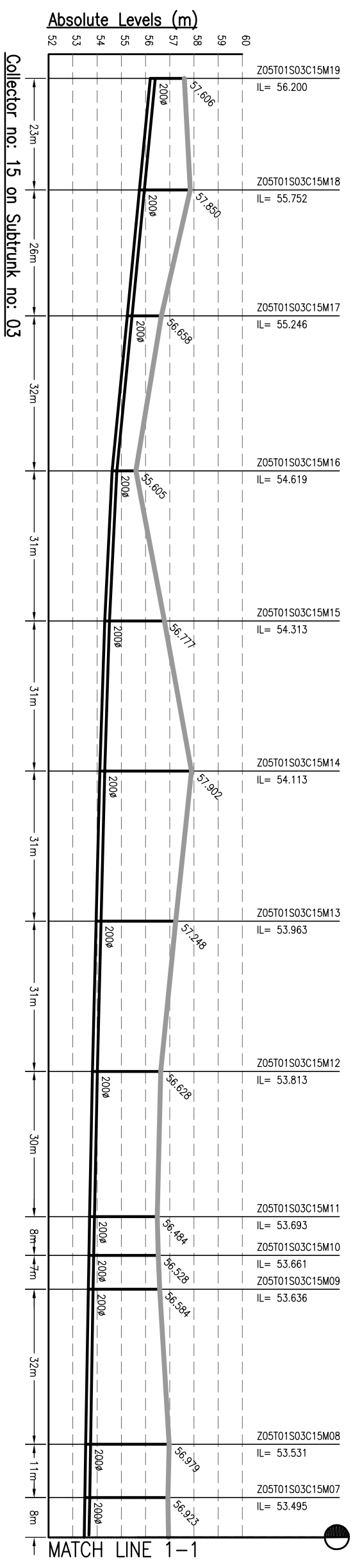
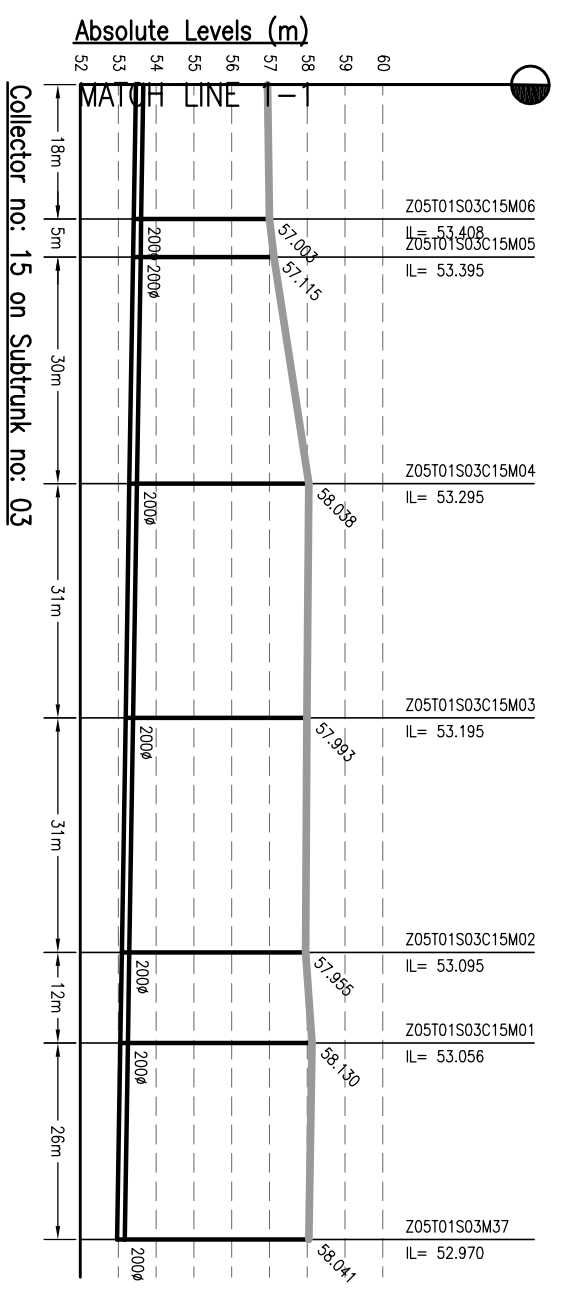
PURPOSE OF ISSUE  
**DRAFT DETAILED PROJECT REPORT**

BY	DATE OF FIRST ISSUE	SHEET SIZE
AH	MAY 2013	A3

CHECKED  
JR  
MAY 2013

APPROVED  
CRR  
MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-C-08	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

**AMENDMENTS**

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 303, Mahua Tower, Sector-16, Noida-201301, India  
 Phone: +91 120 2516165, Fax: +91 120 2515745  
 Website: [www.bihuridc.com](http://www.bihuridc.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**

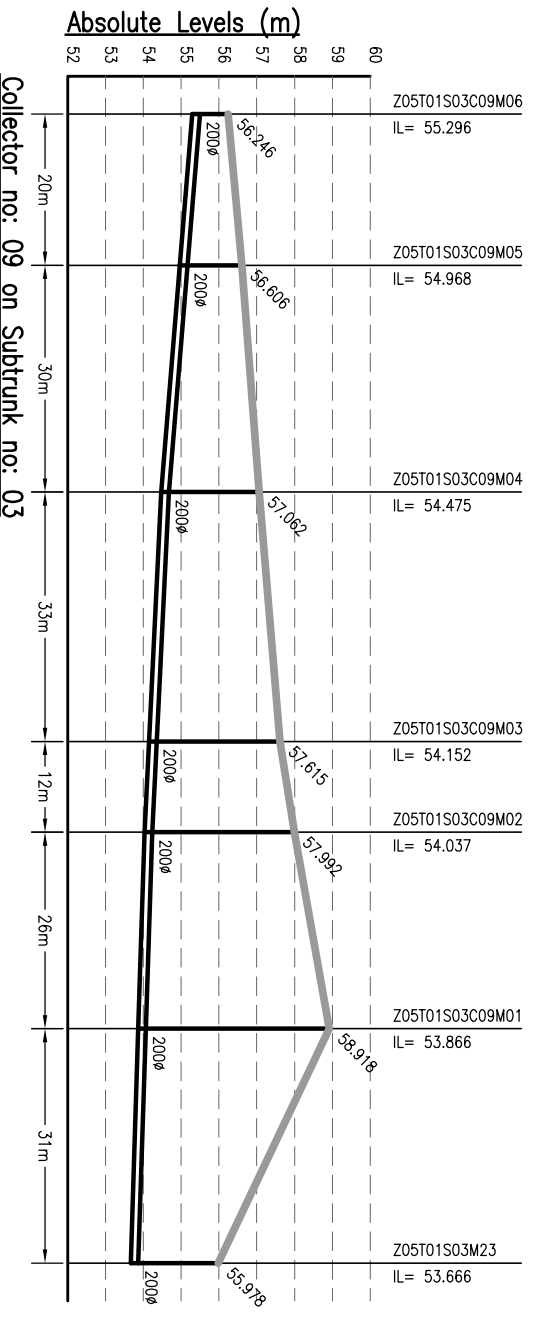
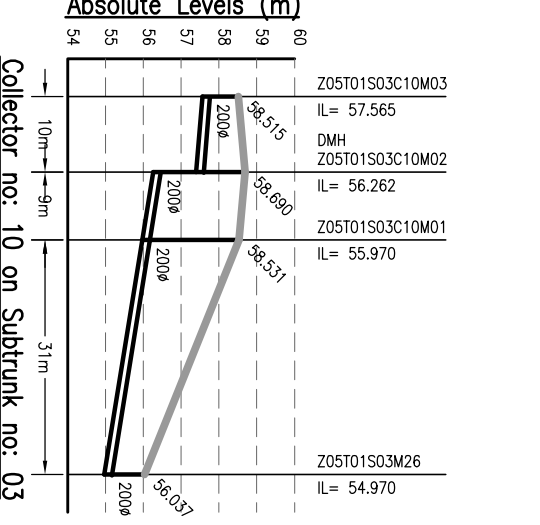
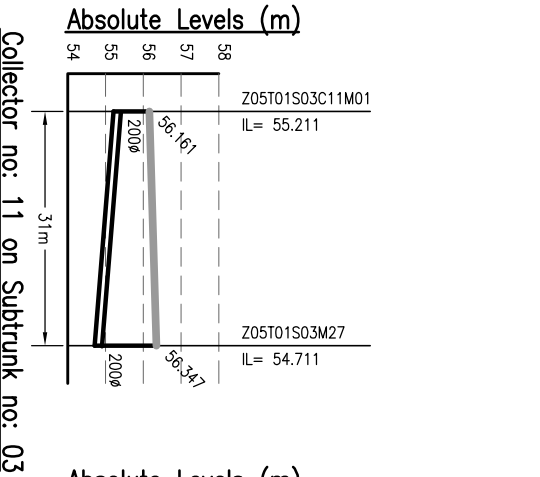
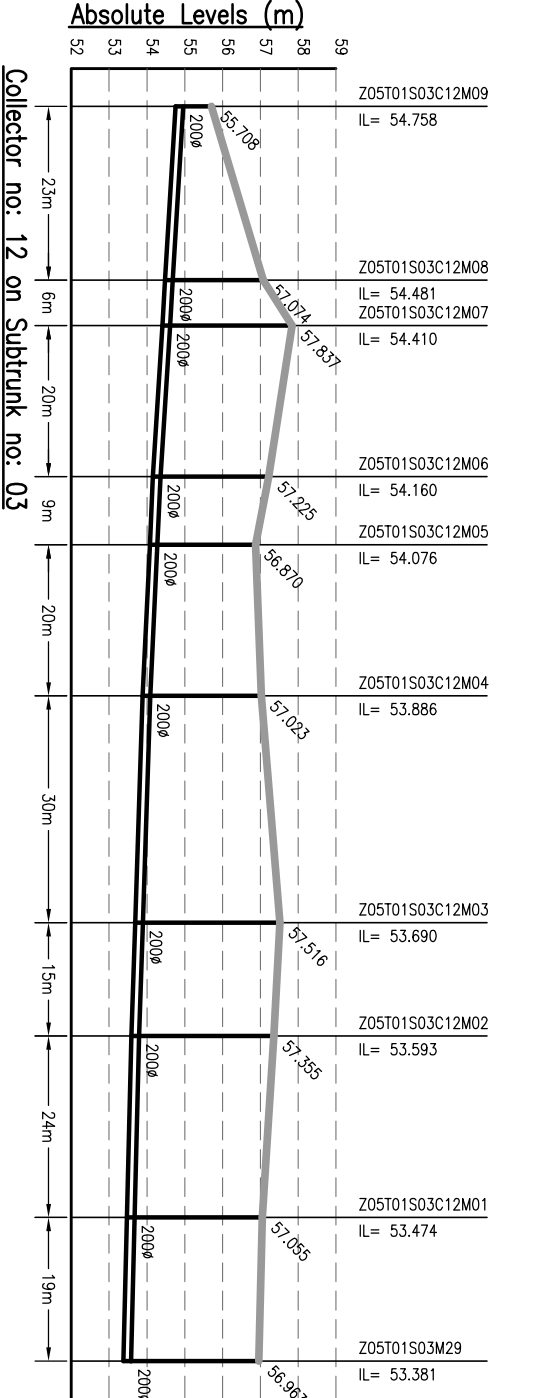
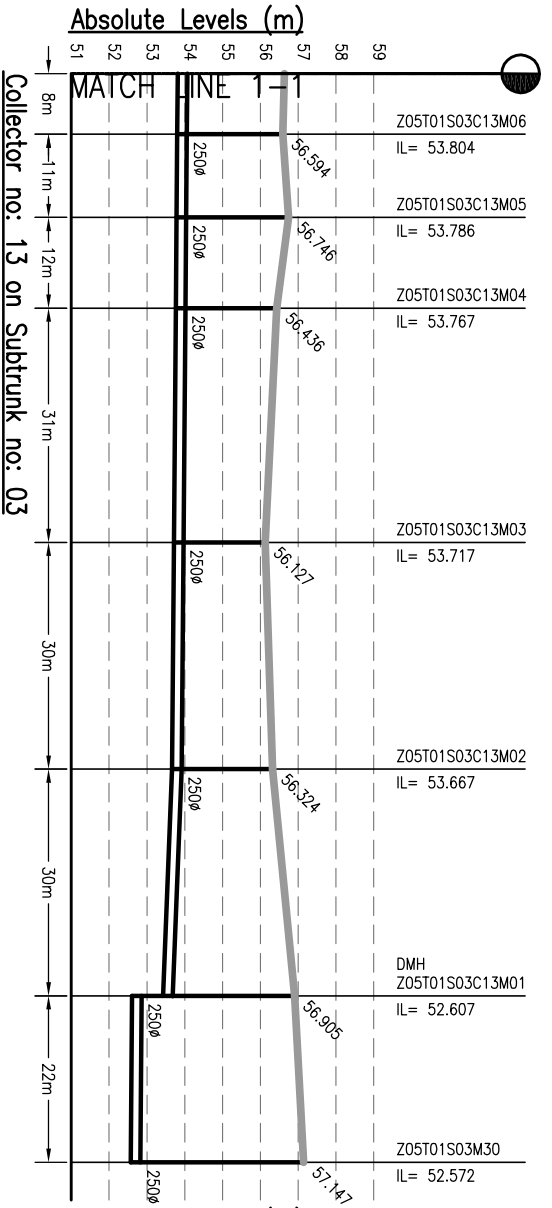
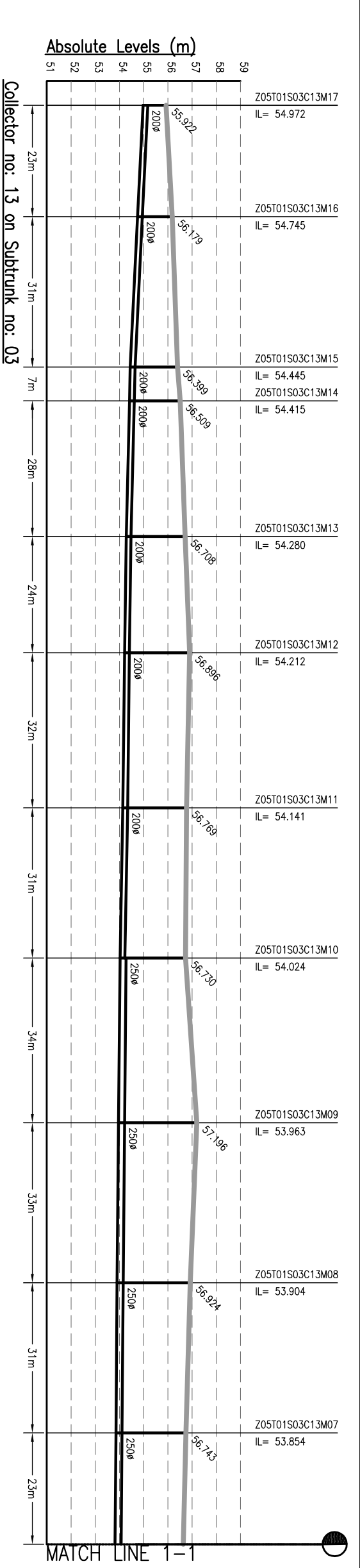
**CONSULTANT:-**  
  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 9 OF 13)

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

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-C-09	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:-  
**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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CLIENT:-

**BIHAR**  
 URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION

303, Mahatma Tower, Sector-16, Gurgaon, Haryana  
 Phone: +91 122 2510101, Fax: +91 (0122) 2510103  
 Website: [www.uicdc.com](http://www.uicdc.com)

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

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

DRAWING TITLE  
**L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 10 OF 13)

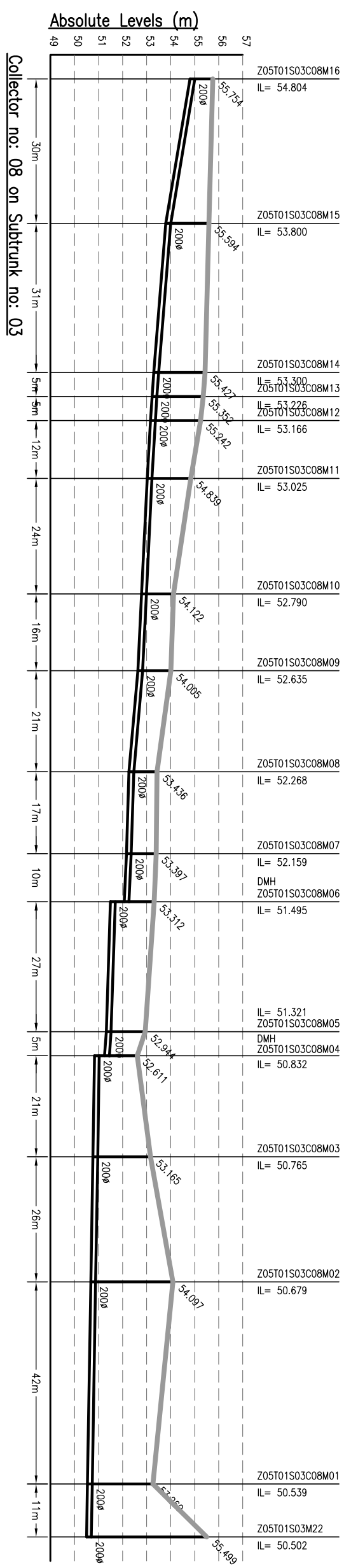
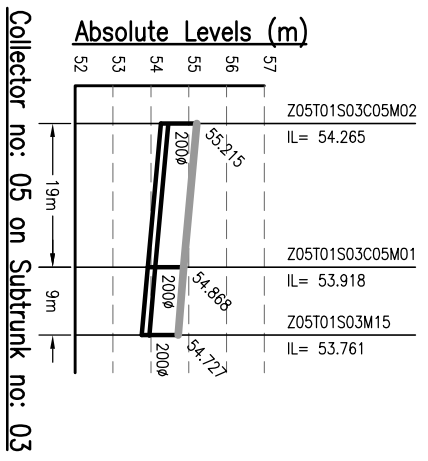
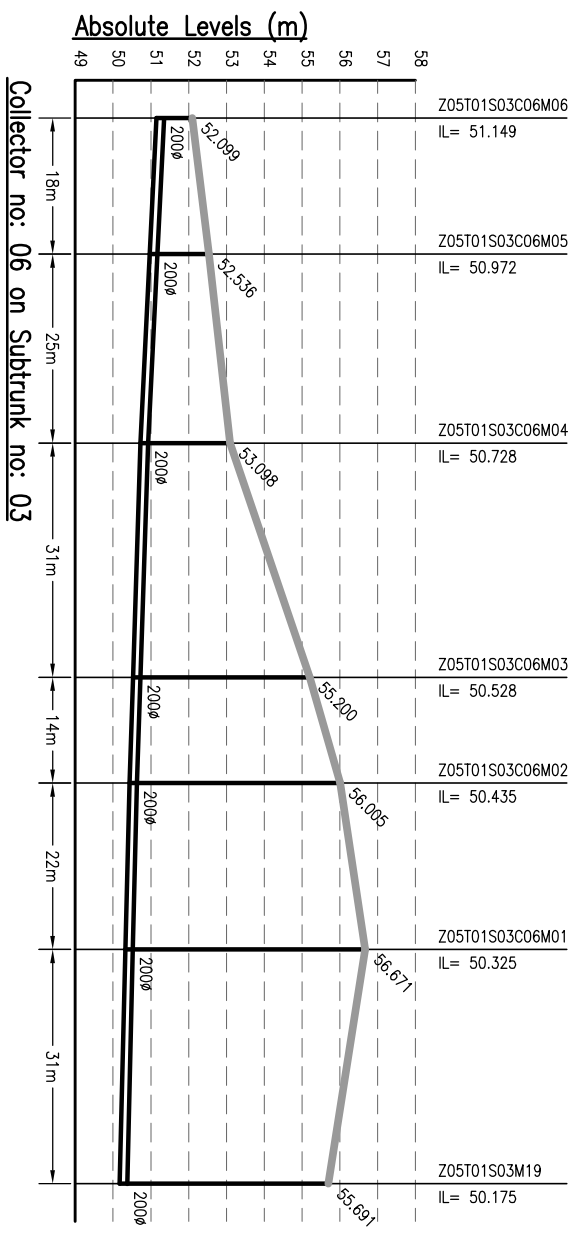
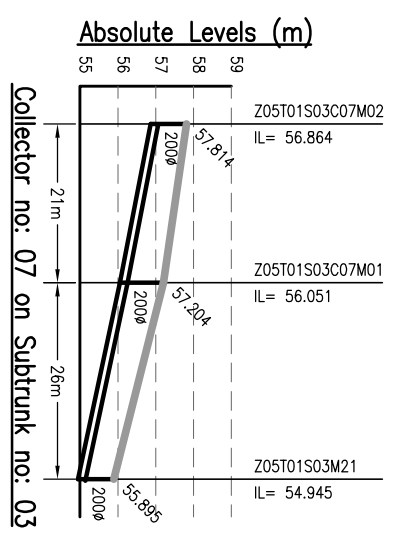
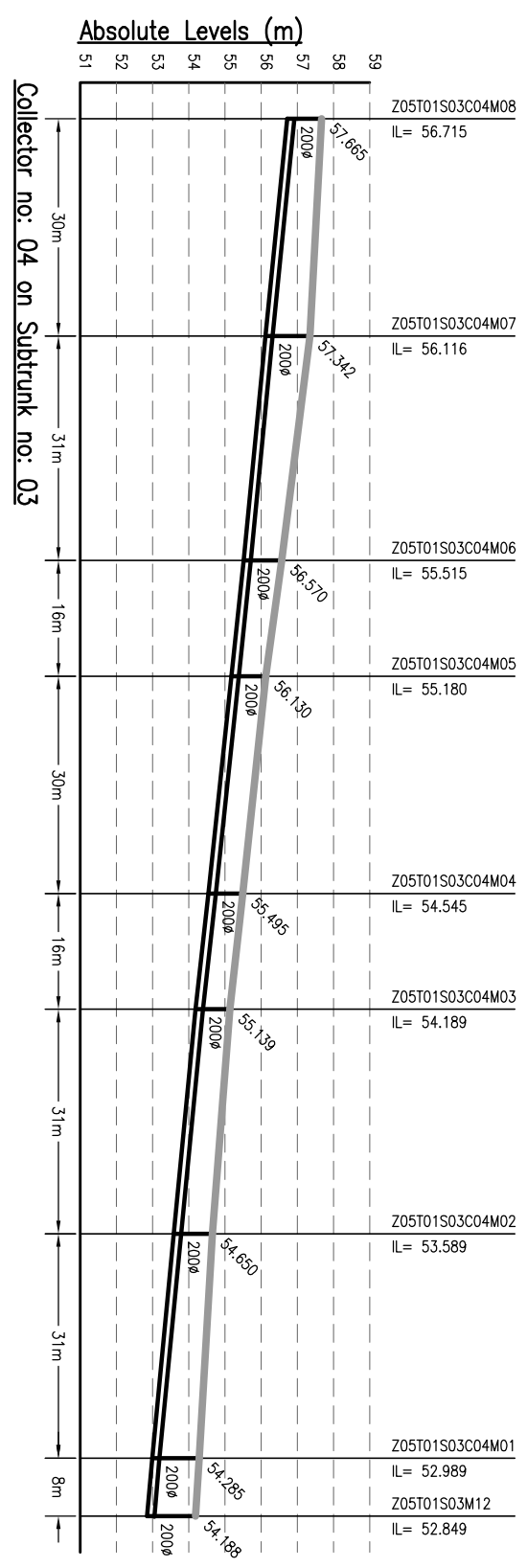
PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

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

BY	DATE
AH	MAY 2013
JR	MAY 2013
RP	MAY 2013
CR	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-11-C-10	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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**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.  
 A-8, Sector-16, Noida-201301, India  
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 www.meinhardtgroup.com, Email: info@meinhardtindia.com

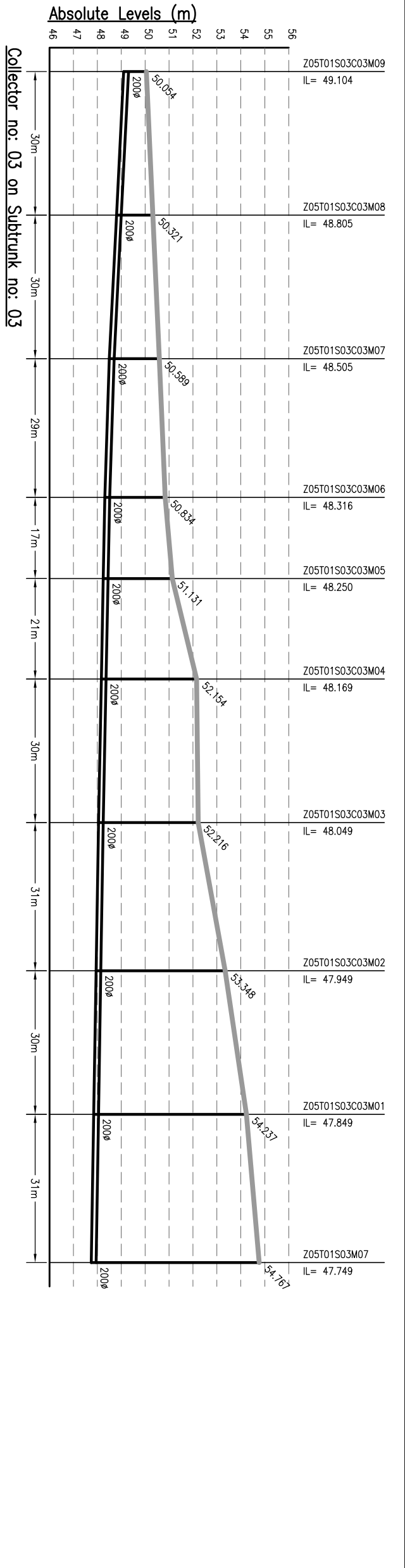
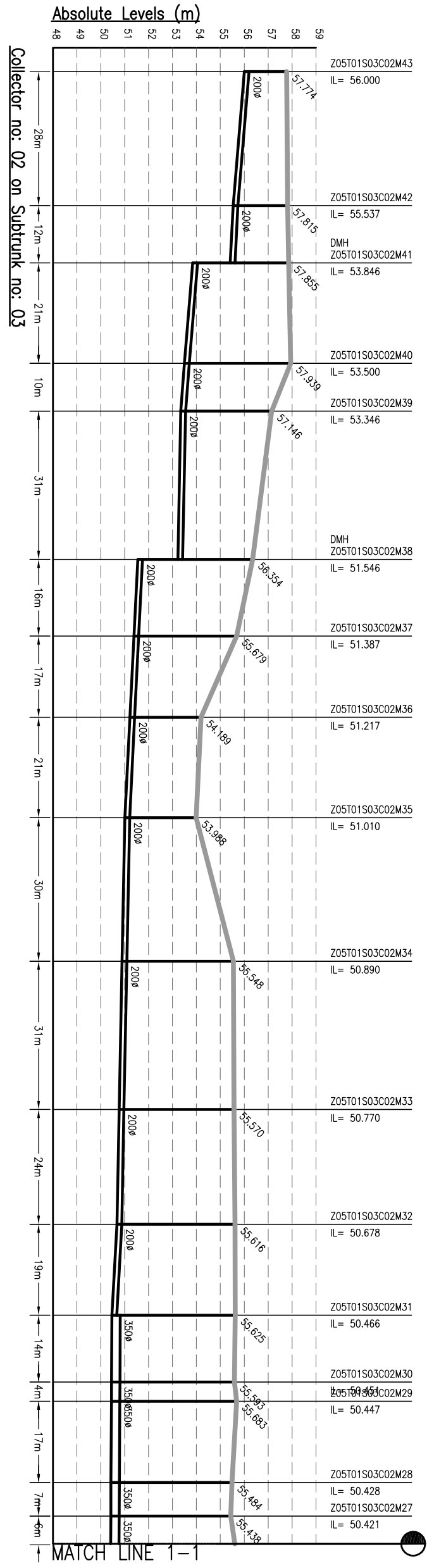
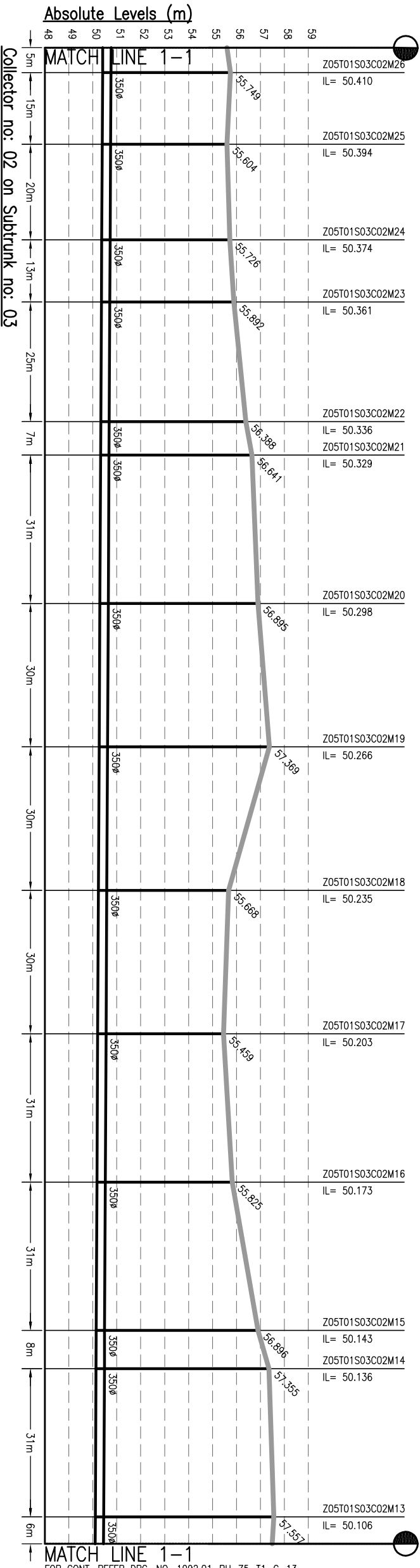
**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF COLLECTOR  
 ZONE-5, TRUNK-1 (SPS-A)  
 (PART - 11 OF 13)

**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

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

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-11-C-11	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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**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**

303, Mahatma Tower, Sector-16, Gurgaon, Haryana, India  
 Phone: +91 122 2516165, Fax: +91 122 2515745  
 Website: [www.biharinfrastructure.com](http://www.biharinfrastructure.com)

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:-  
**MEINHARDT (SINGAPORE) PTE. LTD.**  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
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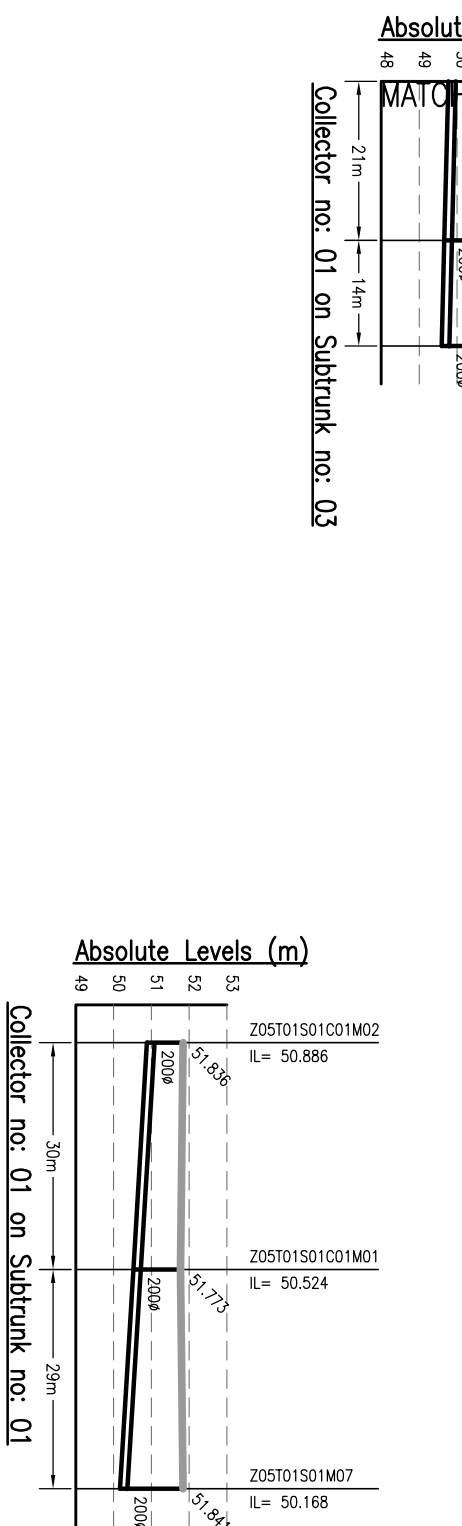
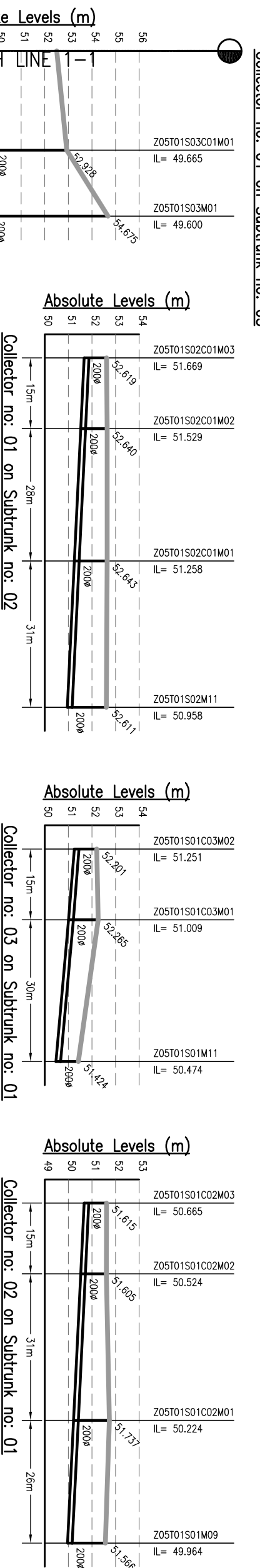
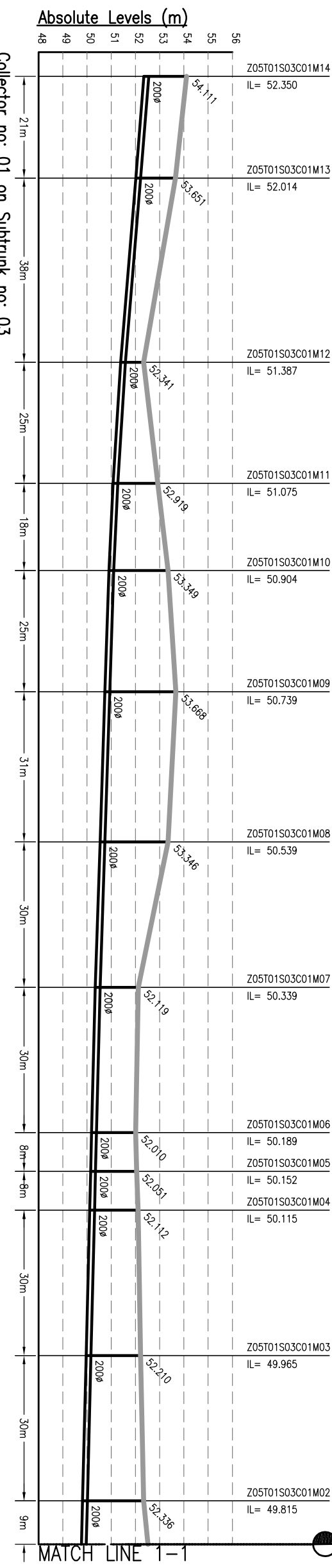
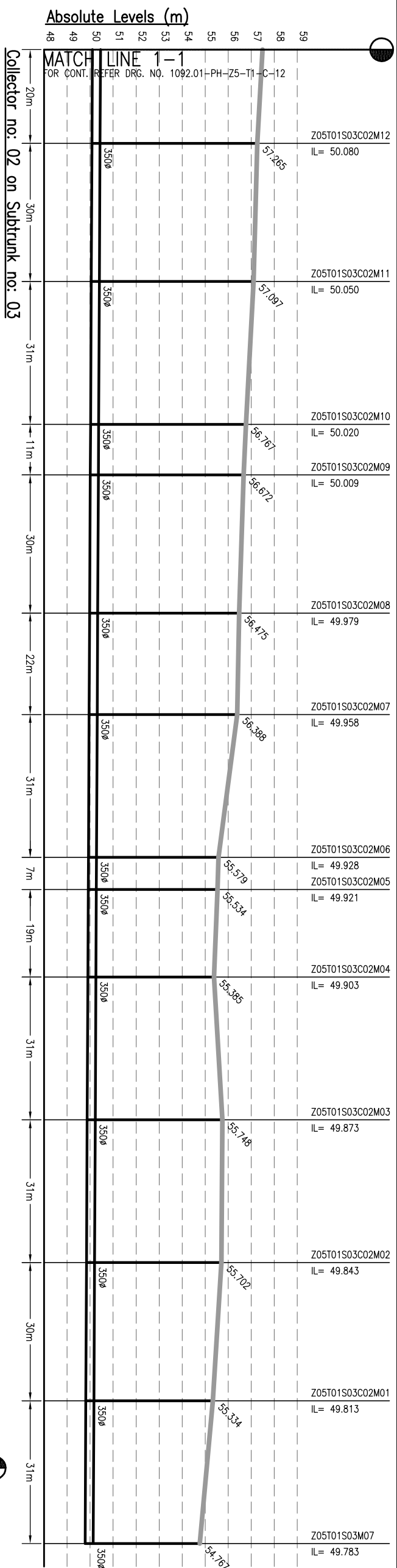
DRAWING TITLE  
**SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 12 OF 13)

PURPOSE OF ISSUE  
 DRAFT DETAILED PROJECT REPORT

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

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-C-12	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

**AMENDMENTS**

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**MEINHARDT**  
CONSULTANT:-

MEINHARDT (SINGAPORE) PTE. LTD.  
A-8, Sector-16, Noida-201301, India  
P.h.: +91 120 2516165, Fax No.: +91 120 2515745  
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

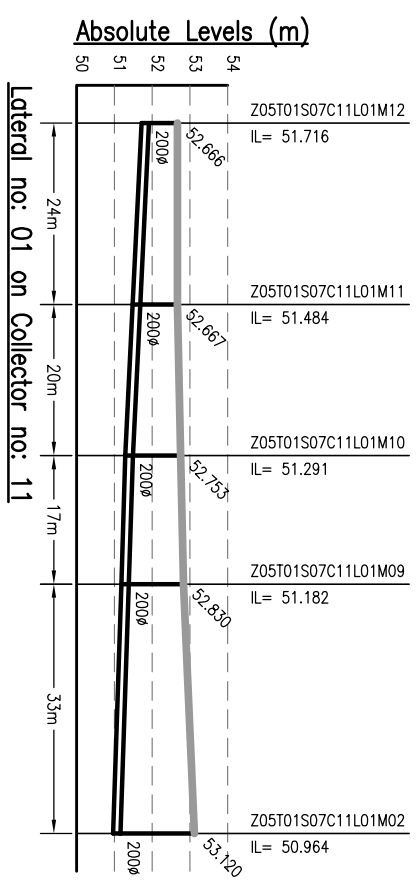
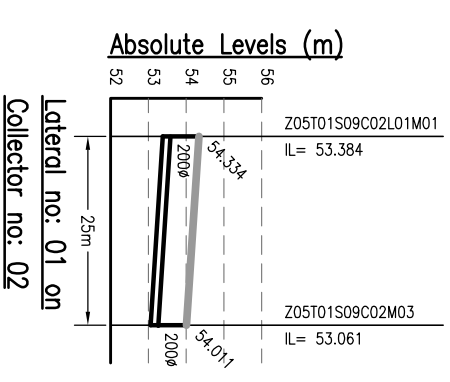
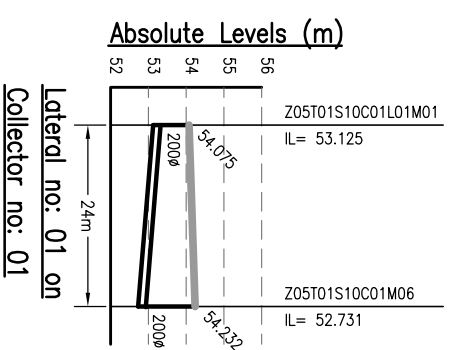
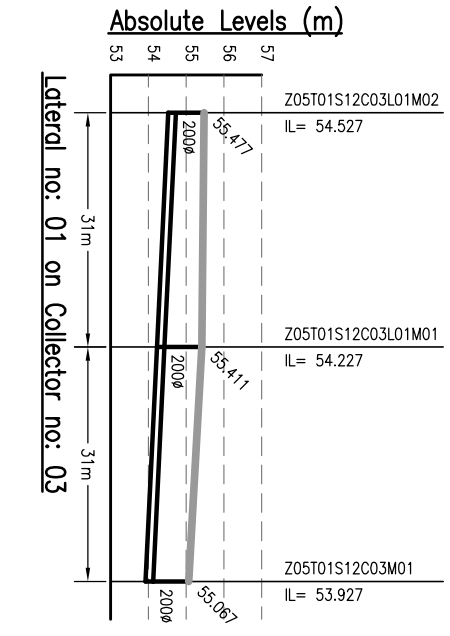
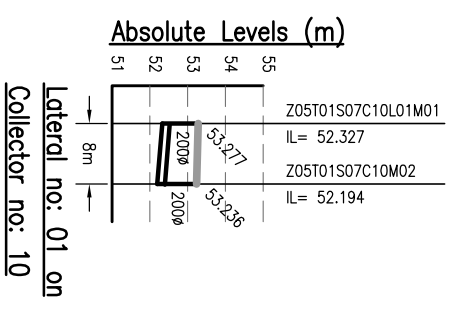
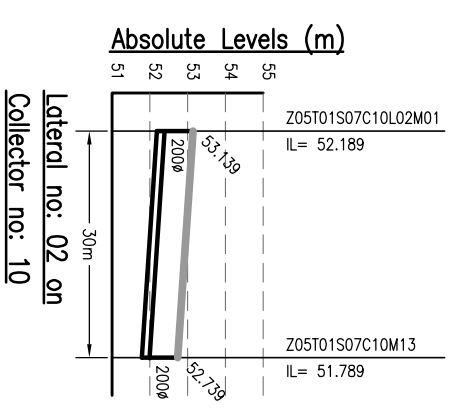
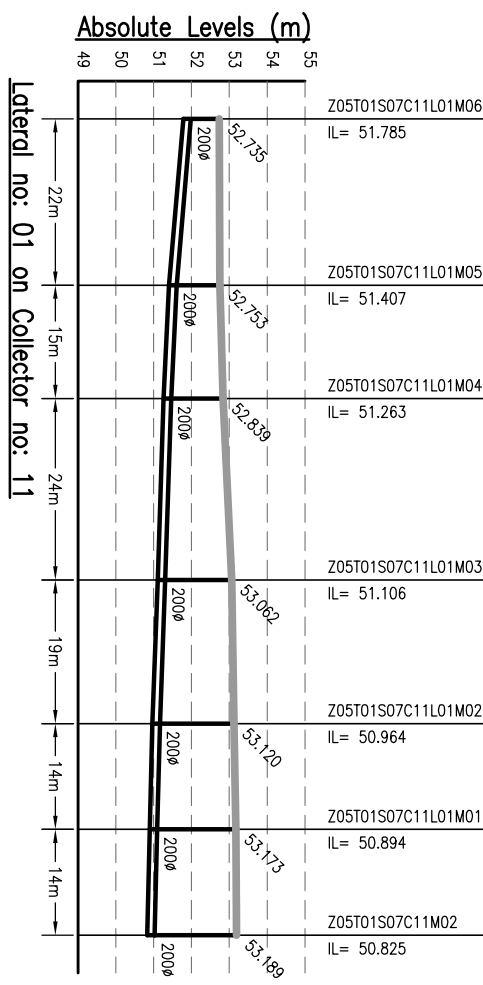
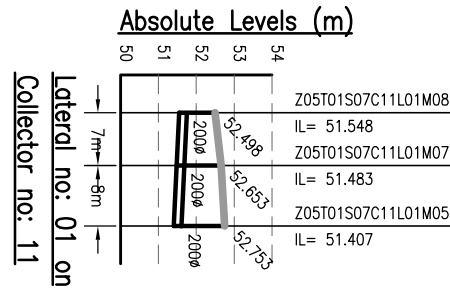
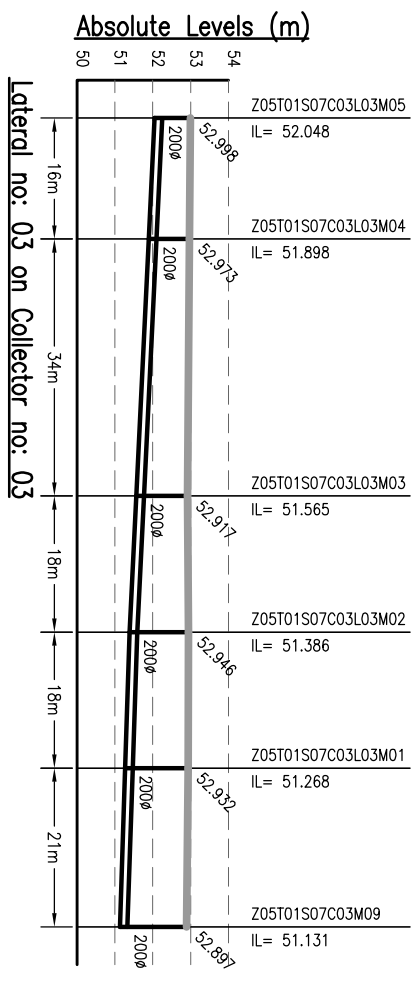
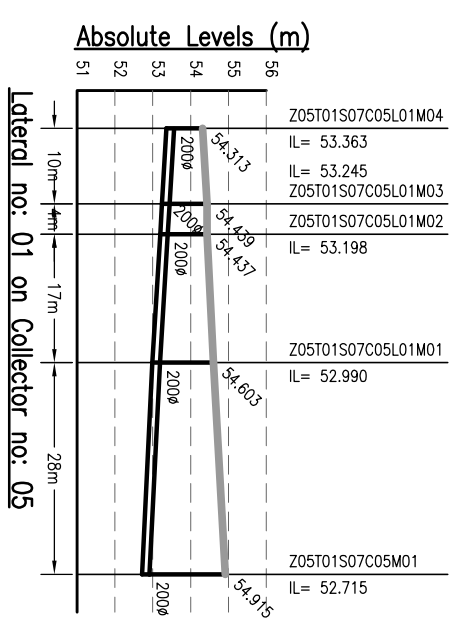
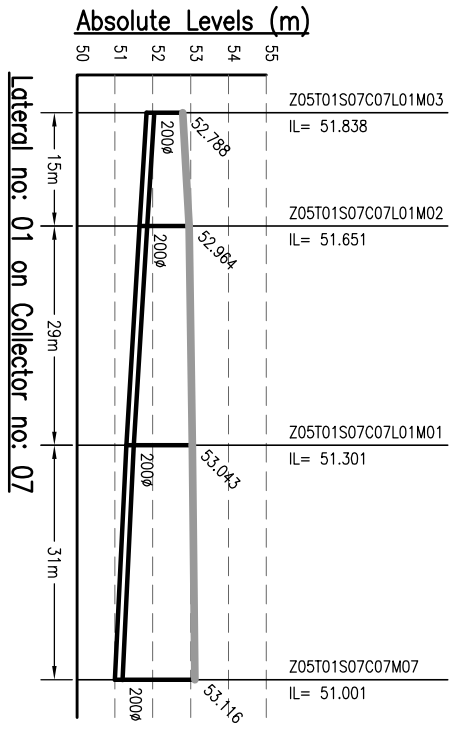
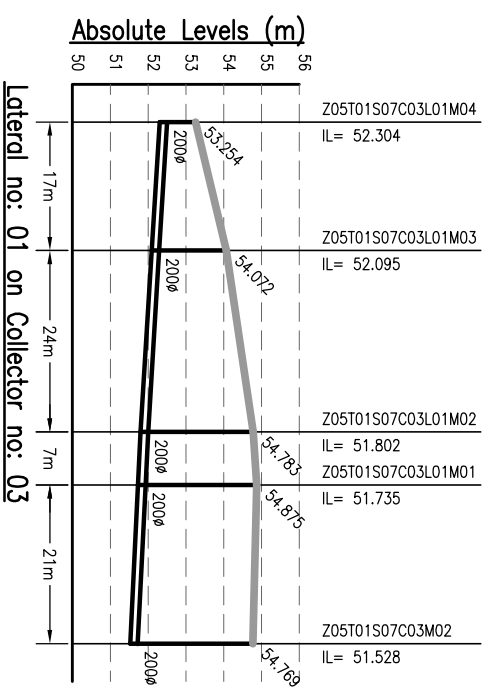
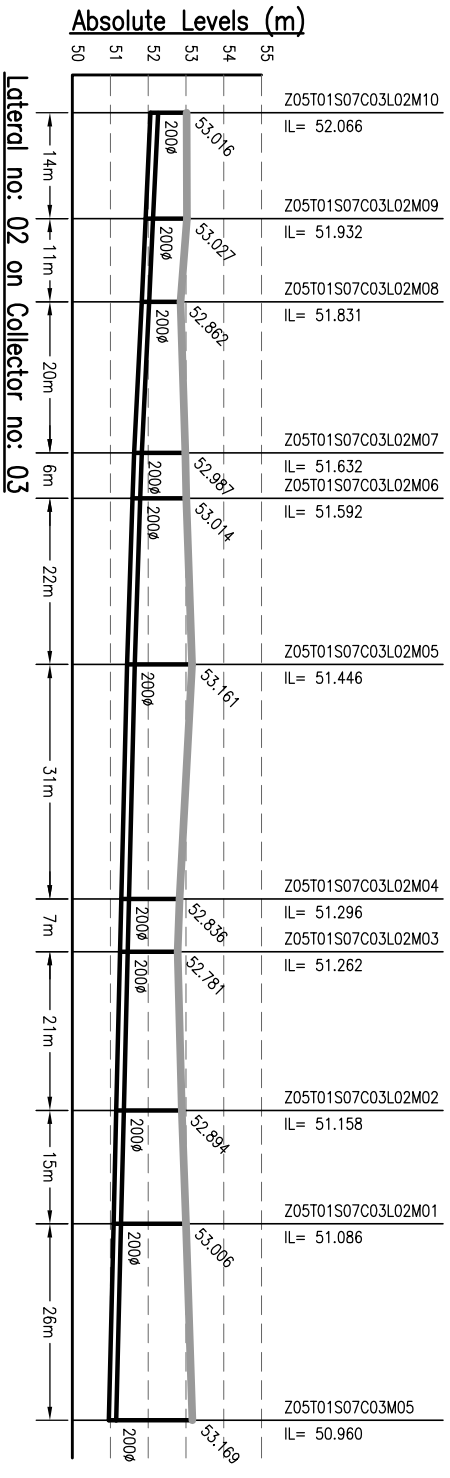
**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF COLLECTOR  
ZONE-5, TRUNK-1 (SPS-A)  
(PART - 13 OF 13)

DISCIPLINE	REVISION
PHI	Z5-11-C-13
00	

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

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

JOB NO. 1092.01



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**MEINHARDT**  
URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION  
BIHAR

303, Mahatma Tower, 1st Floor, Sector-16, Noida-201301, India  
Ph.: +91 120 2516165, Fax No.: +91 120 2515745  
www.meinhardtgroup.com, Email: info@meinhardtindia.com

**PROJECT:-**  
PREPARATION OF DETAILED PROJECT REPORTS (IDPRs) & 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-1 (SPS-A)

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

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

**REVISION**

JOB NO.	1092.01
DISCIPLINE	PH
DRAWING NO.	Z5-T1-L-01
REVISION	00

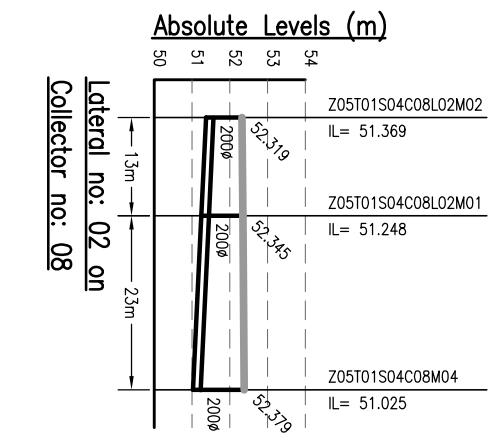
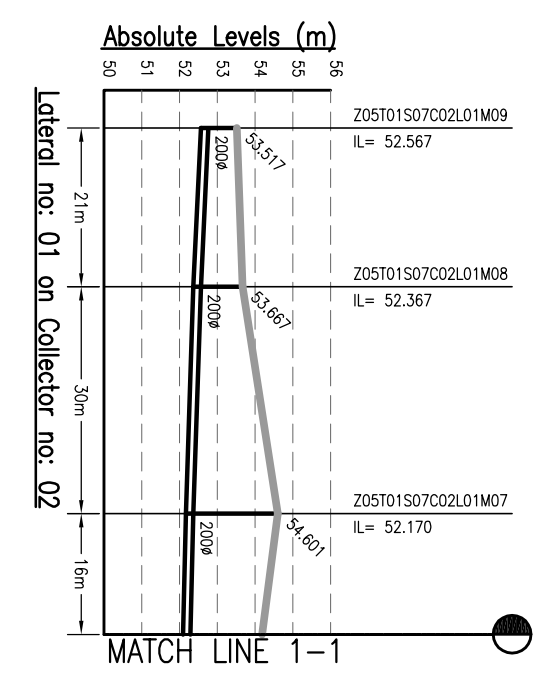
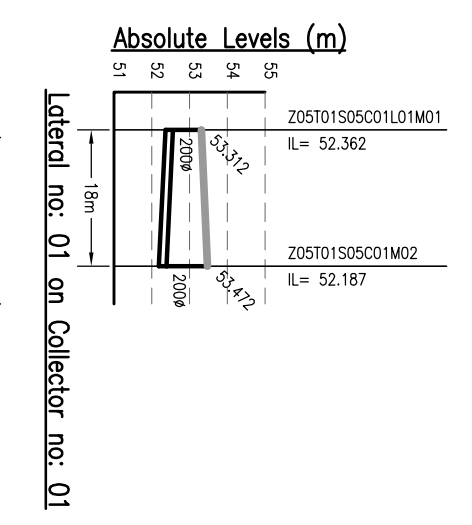
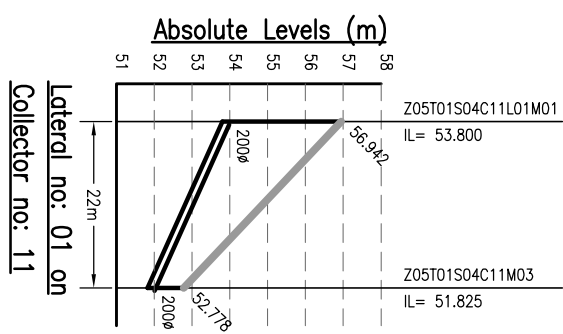
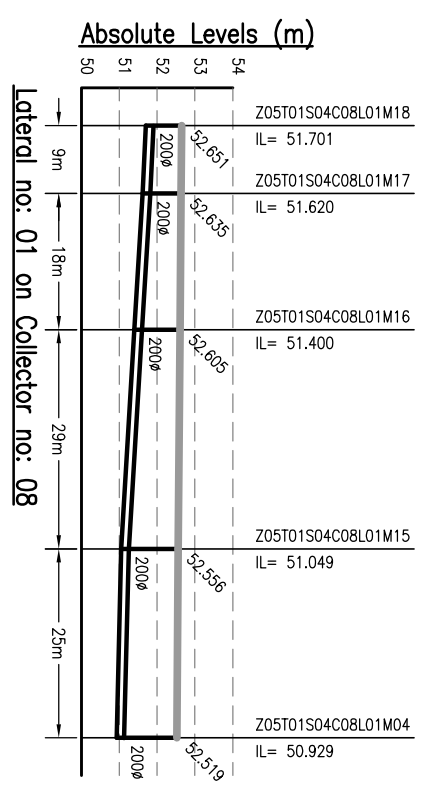
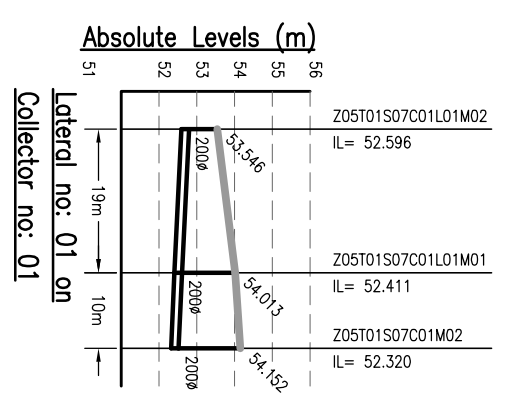
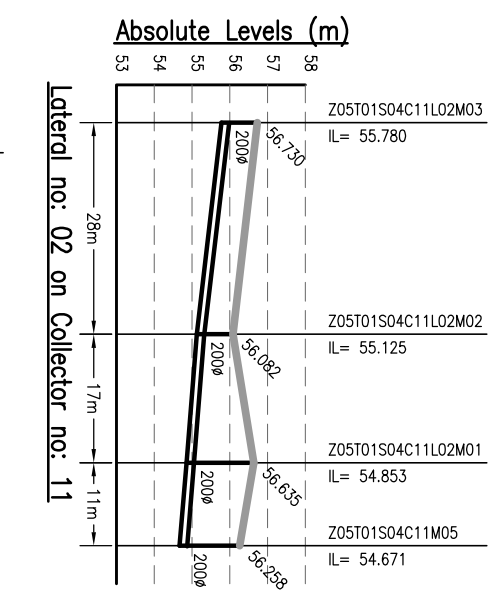
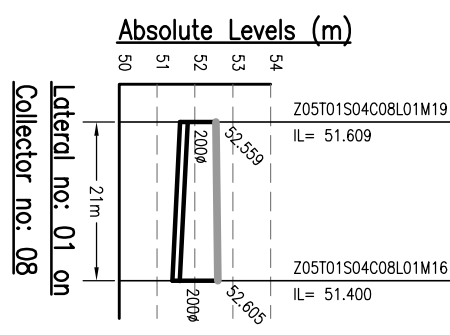
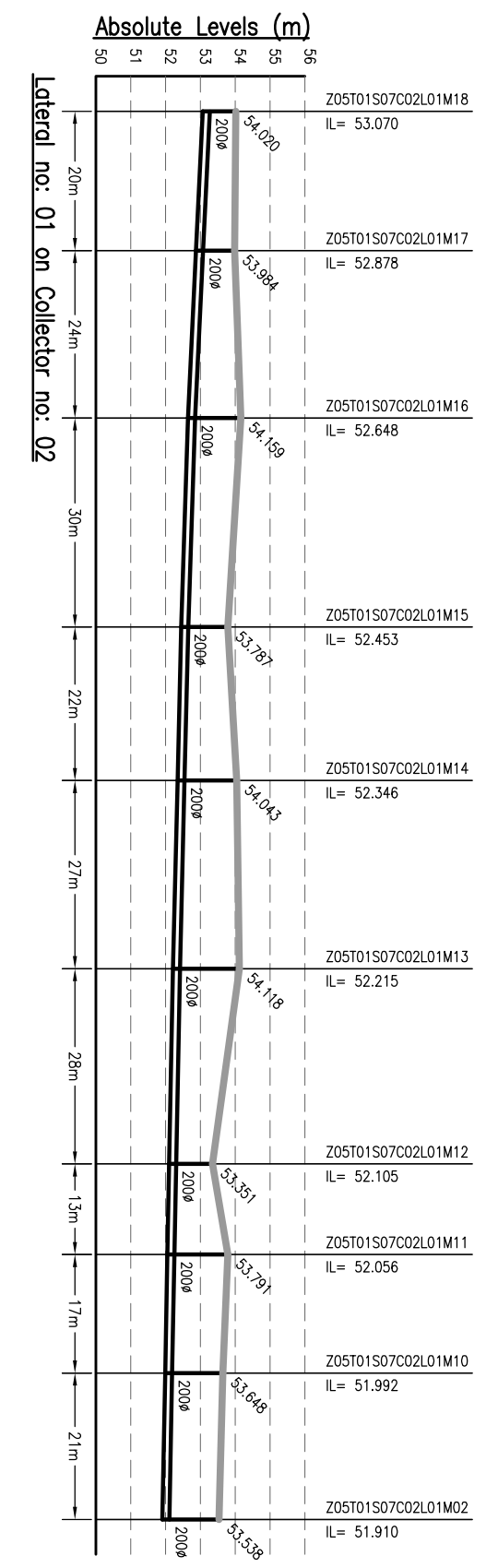
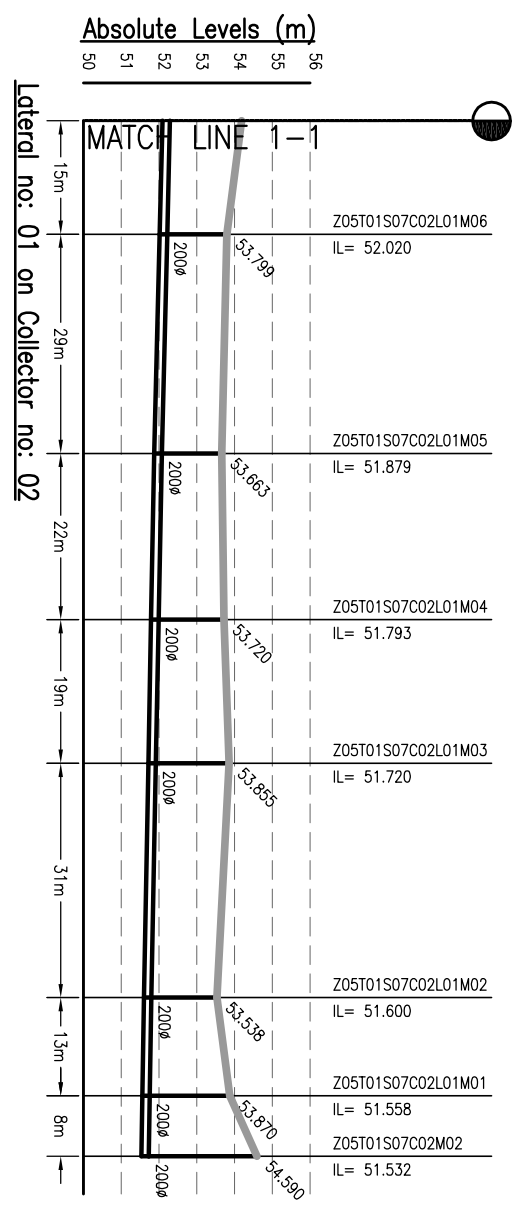
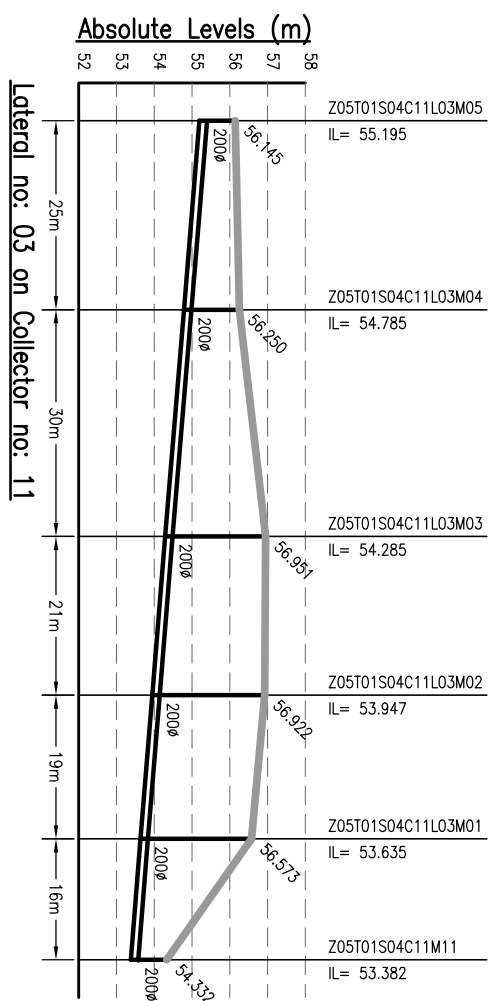
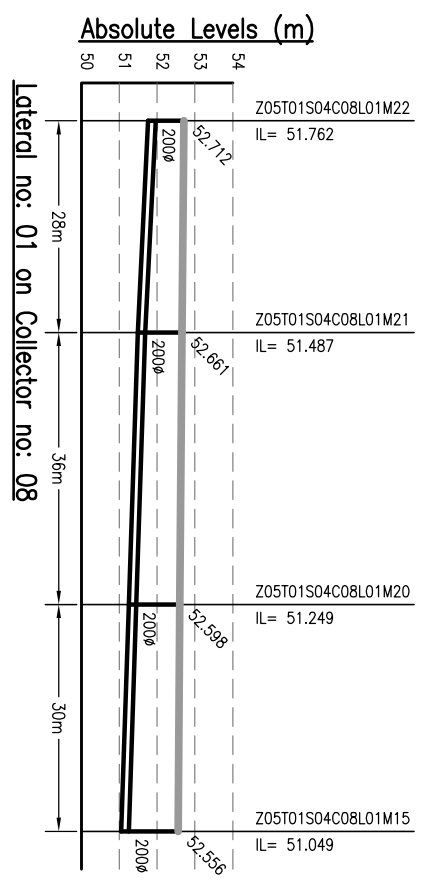
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**CLIENT:-**

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**



DATE PLOTTED: 15/12/2009 11:58:00 AM

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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

**AMENDMENTS**

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 303 Marina Road,  
 Singapore 030101  
 Phone: +65 67201011 Fax: +65 67201033  
 Website: [www.meinhardt.com](http://www.meinhardt.com)

**URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
 BIHAR

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

**CONSULTANT:-**  
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 P.O.:- +91 120 2516165 Fax No.:- +91 120 2515745  
[www.meinhardtagroup.com](http://www.meinhardtagroup.com), Email:- [info@meinhardtagroup.com](mailto:info@meinhardtagroup.com)

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 2 OF 8)

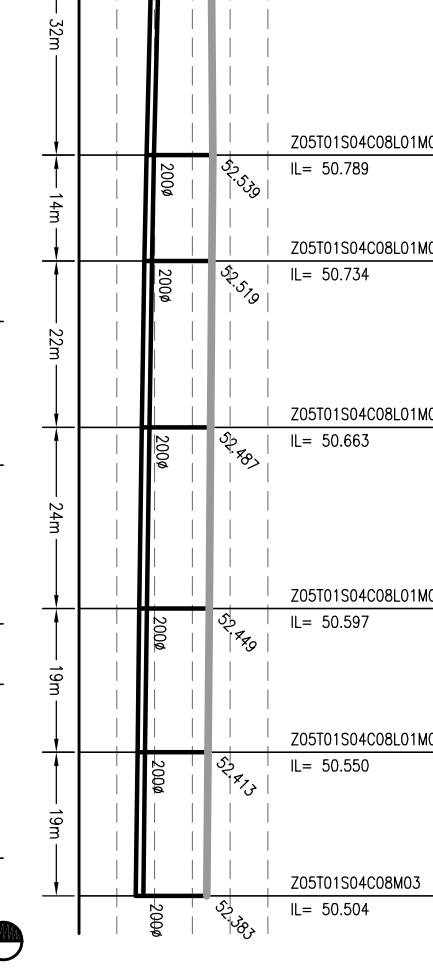
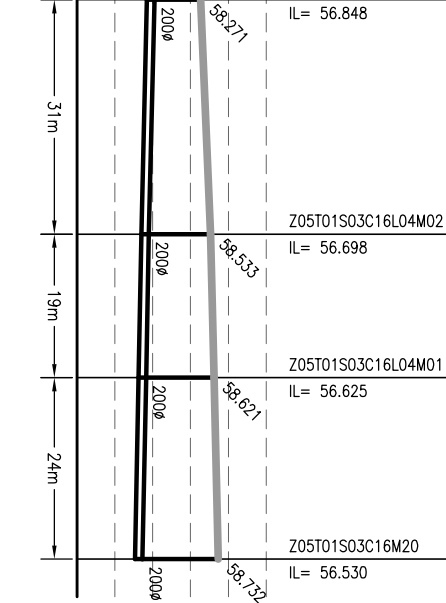
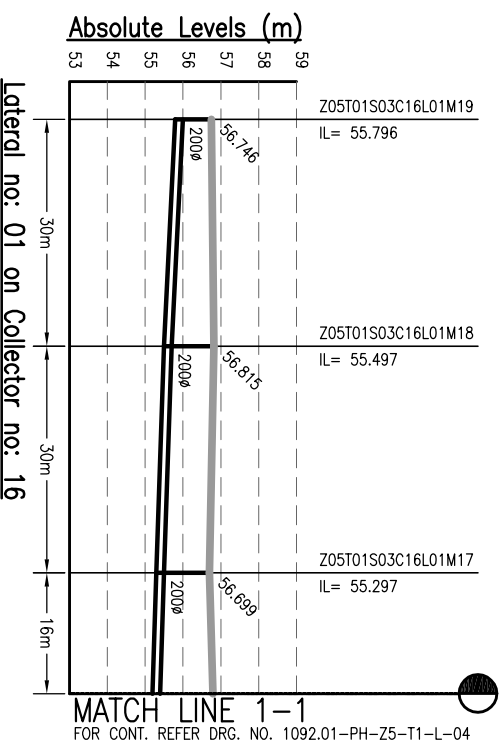
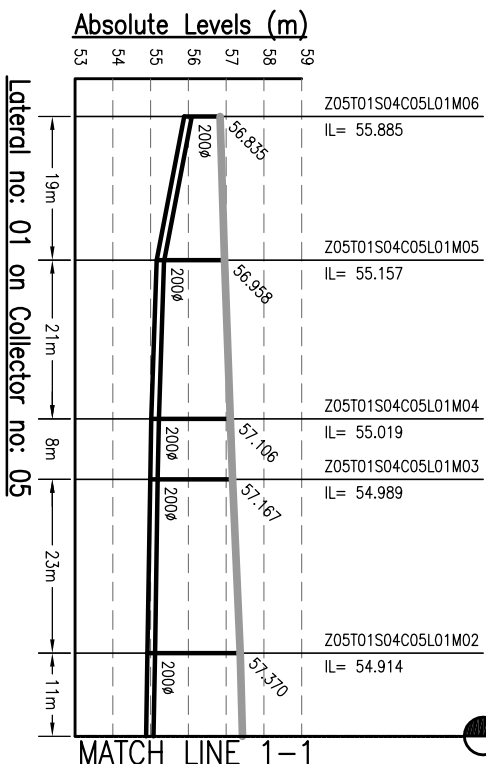
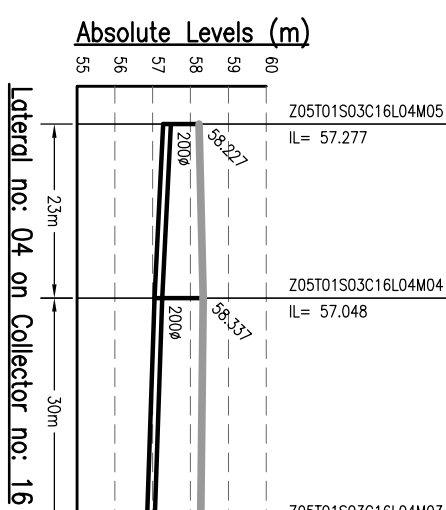
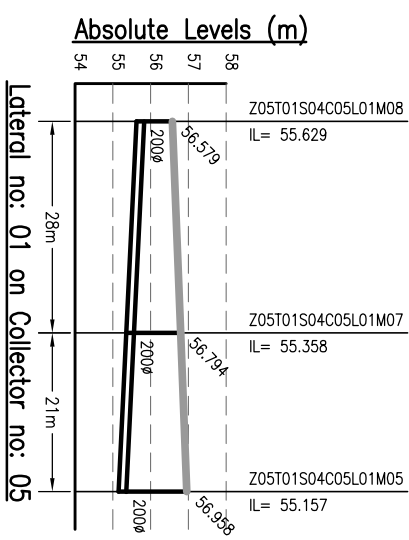
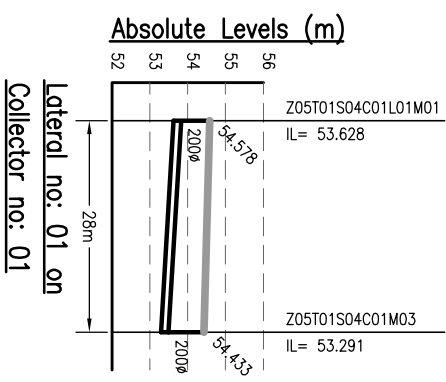
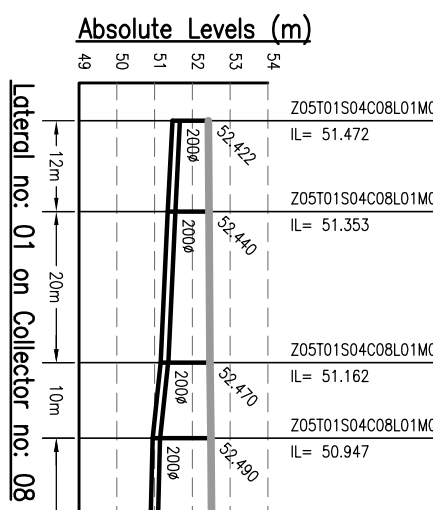
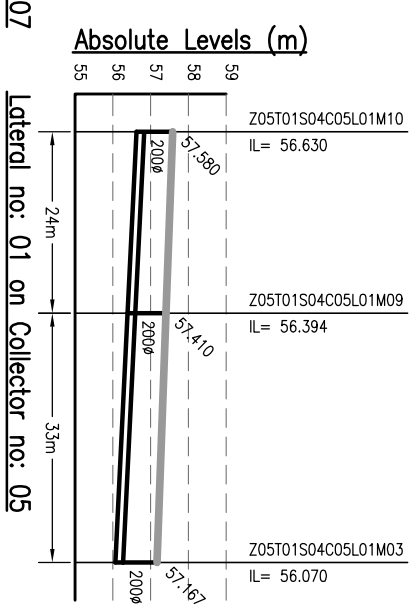
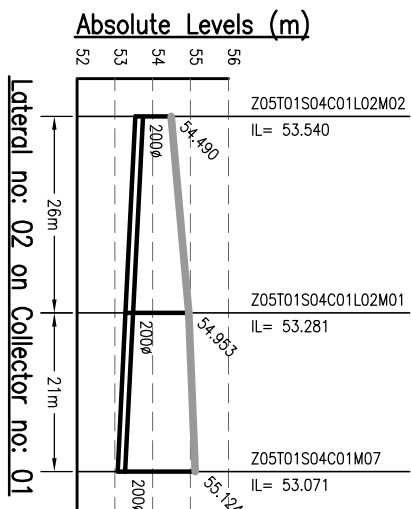
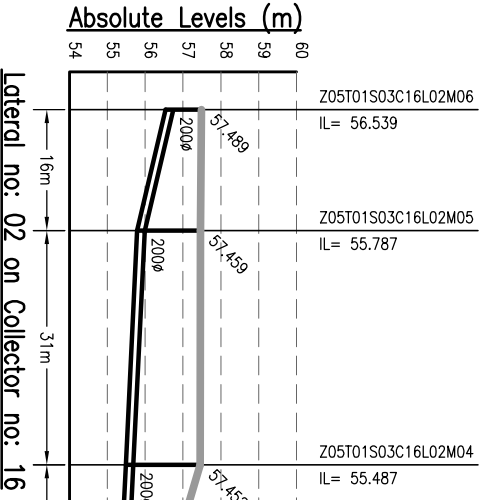
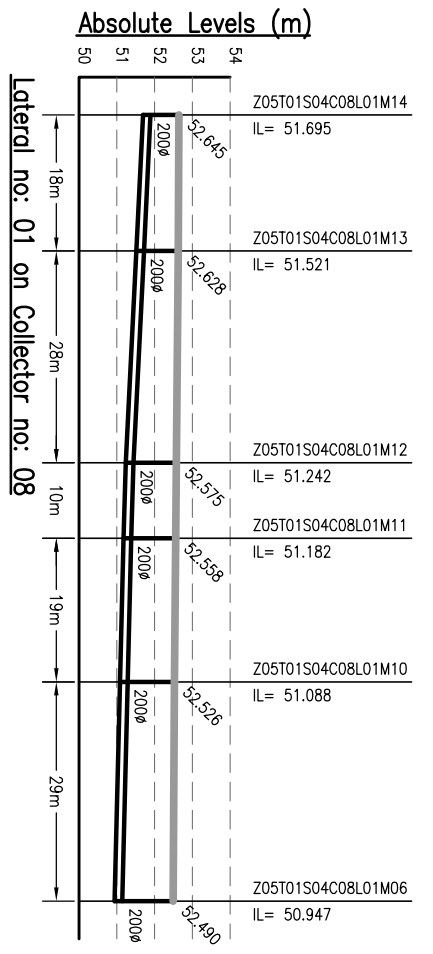
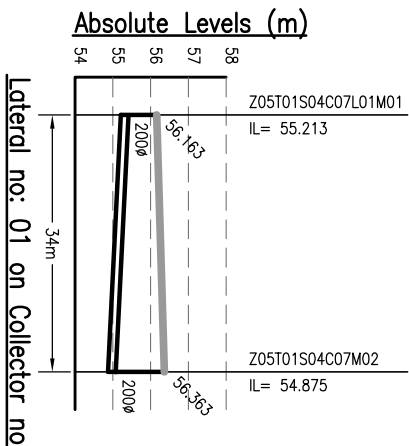
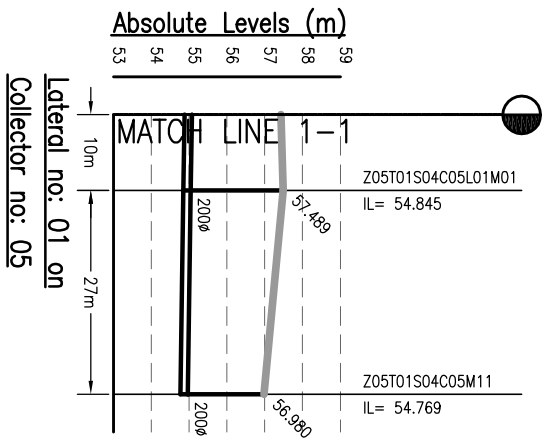
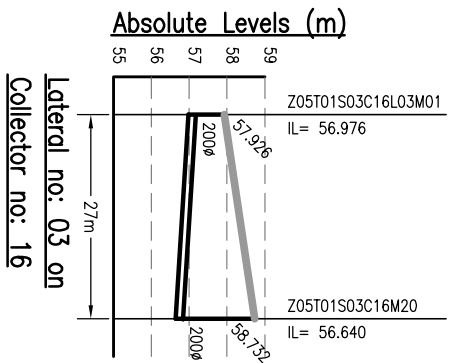
**PURPOSE OF ISSUE**  
 DRAFT DETAILED PROJECT REPORT

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

**SHEET SIZE** : A3

**DATE OF FIRST ISSUE**  
 MAY 2013

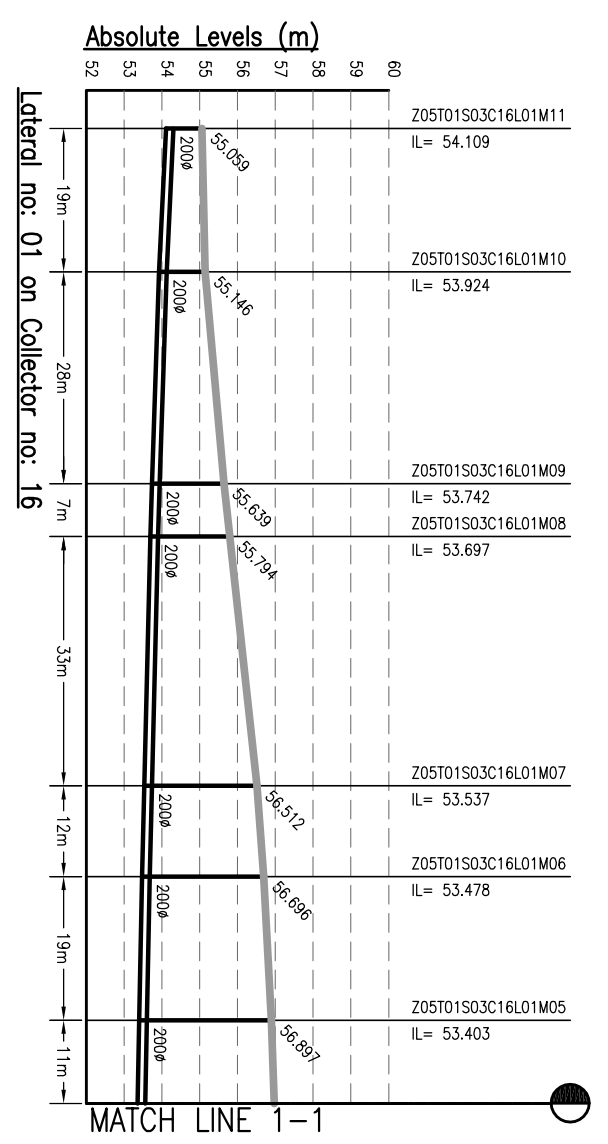
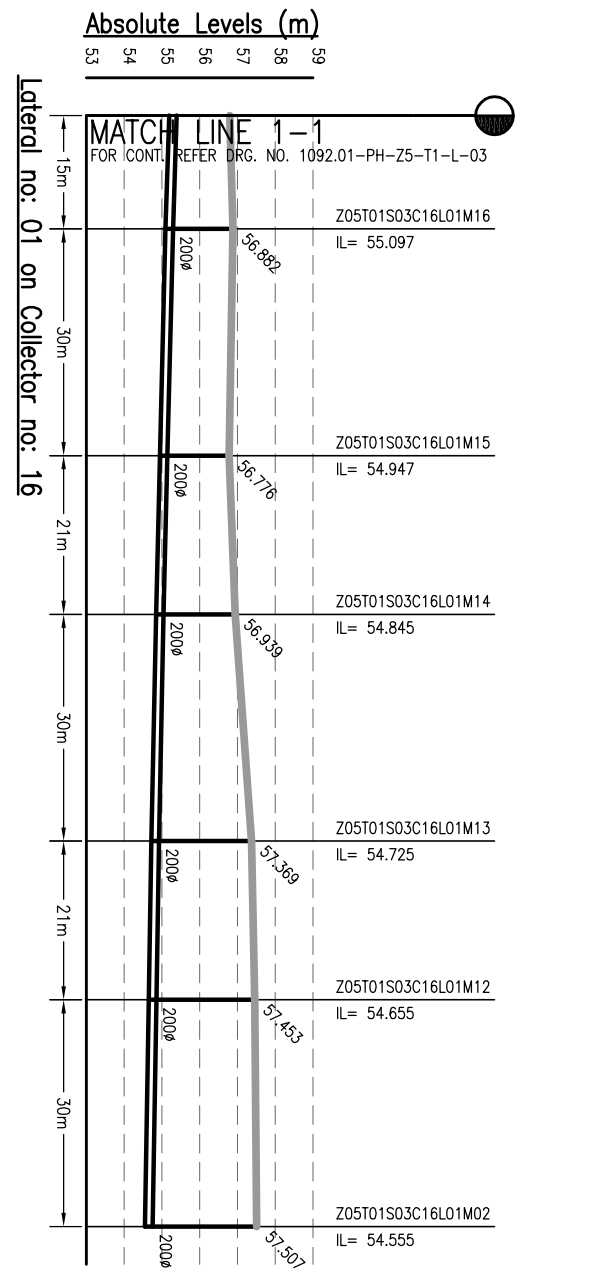
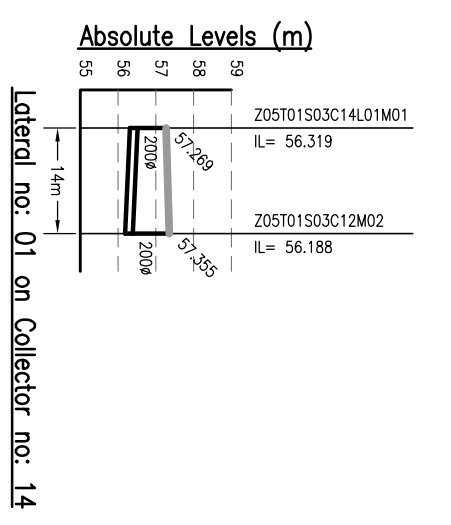
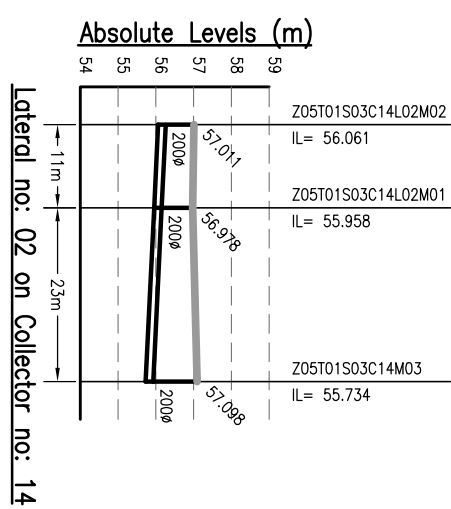
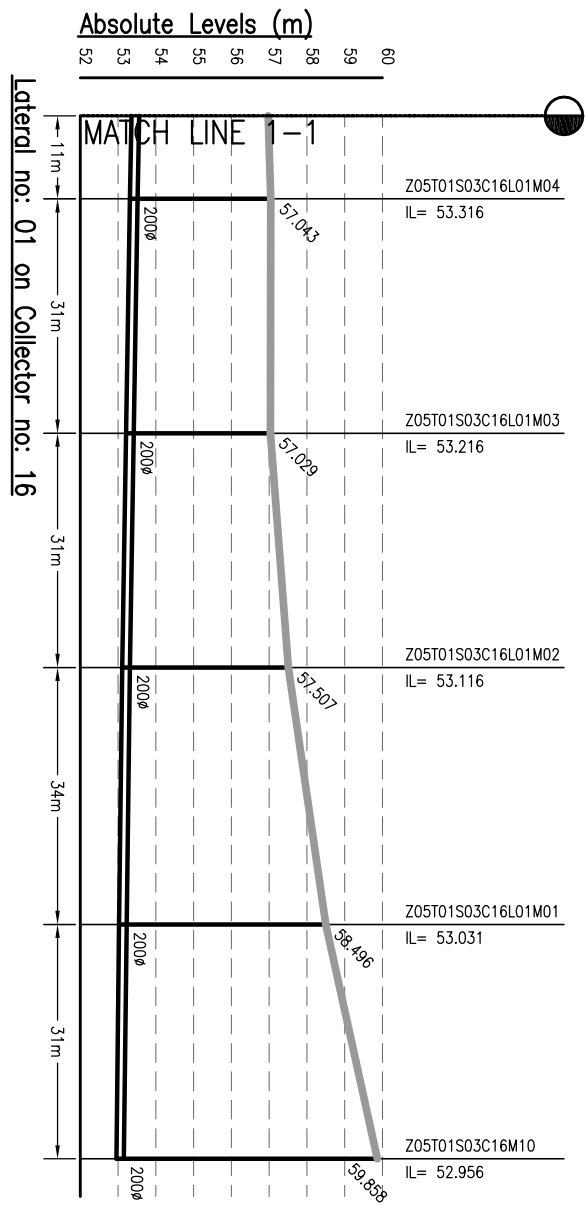
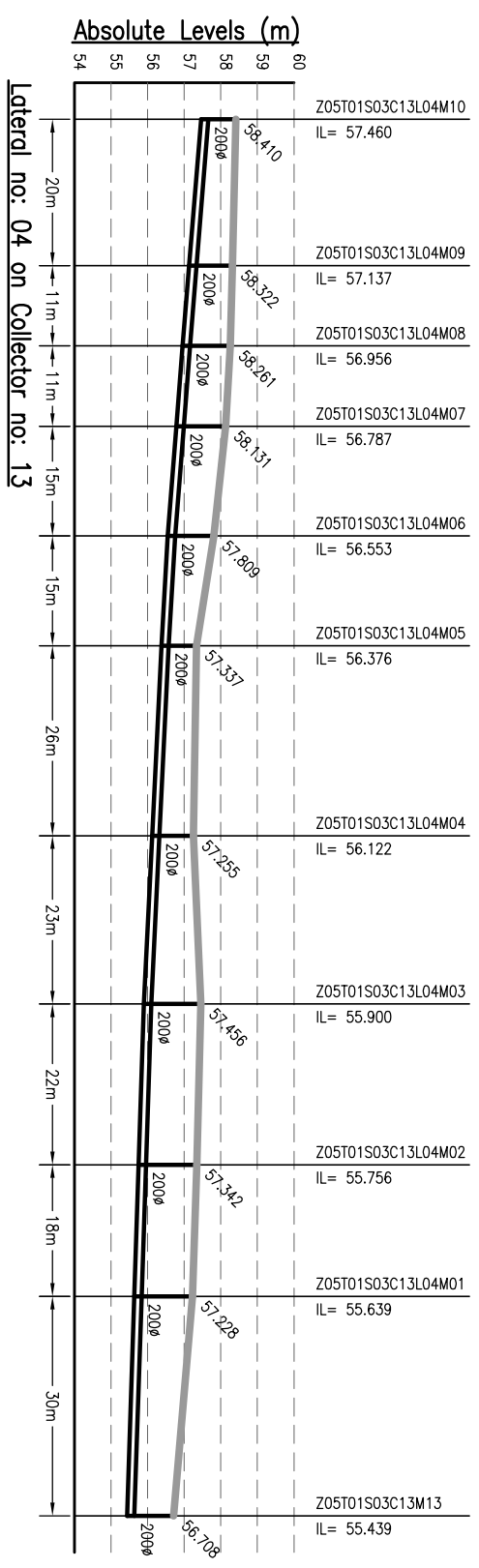
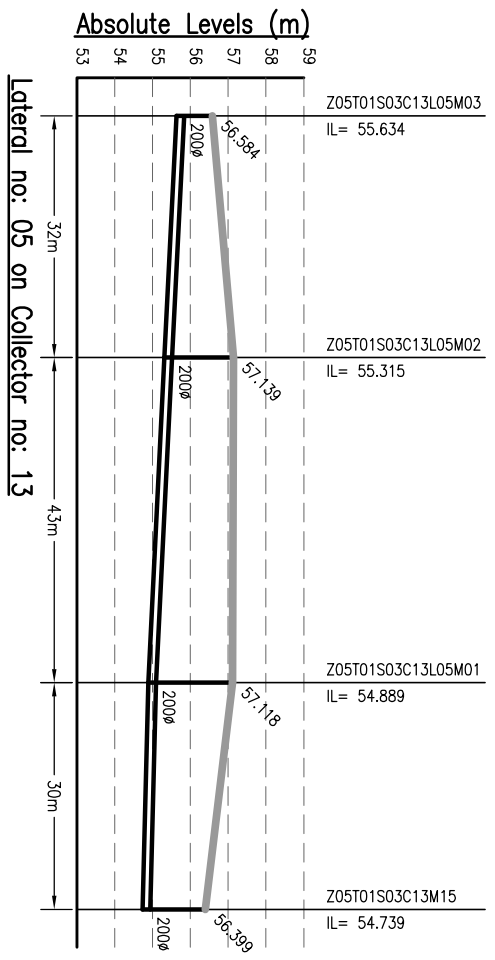
JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-L-02	00



DATE PLOTTED: 15/12/2013 10:00:00 AM

MATCH LINE 1-1  
FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T1-L-04

<p><b>NOTES:-</b></p> <ol style="list-style-type: none"> <li>THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF CONSULTANTS</li> <li>ALL DIMENSIONS TO BE CHECKED BEFORE COMMENCEMENT OF WORK ON SITE</li> <li>UNDER NO CIRCUMSTANCES SHOULD DIMENSIONS BE SCALED FROM THIS DRAWING.</li> <li>REFER DRAWING NO. TO 491 &amp; 1092.01-PH-S-01 TO 491 &amp; FOR LOCATION OF MANHOLE AND OTHER DETAILS.</li> </ol>											
<p>Drawing Base Reference:- <b>PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.</b></p>											
<p><b>AMENDMENTS</b></p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>NAME</th> <th>DESCRIPTION</th> <th>CHKD</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>MAY'13</td> <td>SNS</td> <td>DRAFT DPR SUBMISSION</td> <td>RP</td> </tr> </tbody> </table>		REV	DATE	NAME	DESCRIPTION	CHKD	00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP
REV	DATE	NAME	DESCRIPTION	CHKD							
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP							
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<p>CONSULTANT:- <b>MEINHARDT</b> MEINHARDT (SINGAPORE) PTE. LTD. A-8, Sector-16, Noida-201301, India P.O.:- +91 201 2516165 Fax No.:- +91 120 2515745 <a href="http://www.meinhardtdr.com">www.meinhardtdr.com</a>, Email:- <a href="mailto:info@meinhardtdr.com">info@meinhardtdr.com</a></p>											
<p>DRAWING TITLE <b>SEWERAGE</b> <b>L-SECTION OF LATERAL</b> <b>ZONE-5, TRUNK-1 (SPS-A)</b> (PART - 3 OF 8)</p>											
<p>PURPOSE OF ISSUE DRAFT DETAILED PROJECT REPORT</p> <p>SCALE :- H-1000, V-200</p> <p>SHEET SIZE :- A3</p> <p>DATE OF FIRST ISSUE</p>											
<p>DRAWN BY SKS DESIGNED BY JR CHECKED BY RP APPROVED BY CRR JOB NO. 1092.01 DISCIPLINE PH DRAWING NO. Z5-T1-L-03 REVISION NO. 00</p>											



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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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**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**

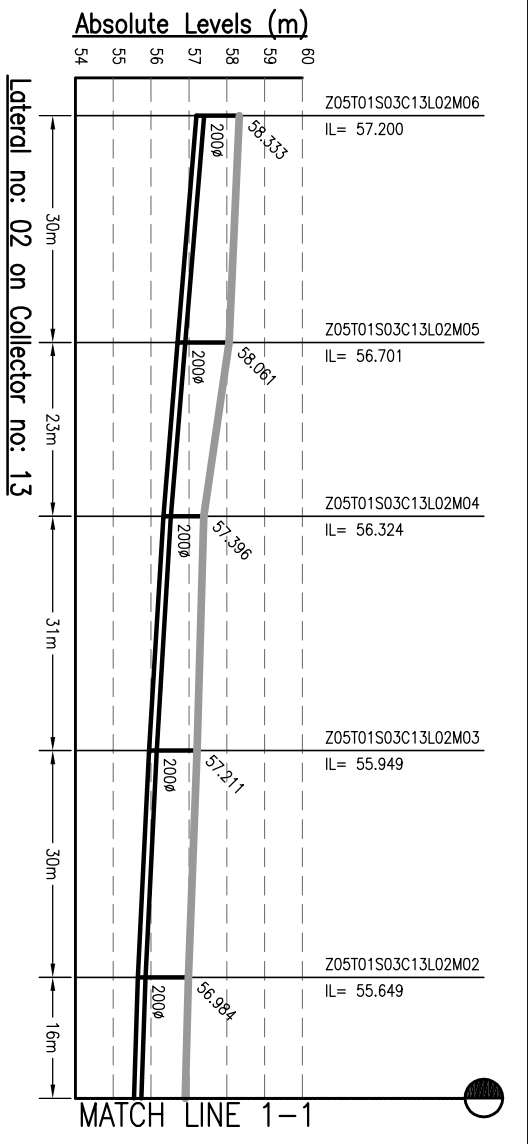
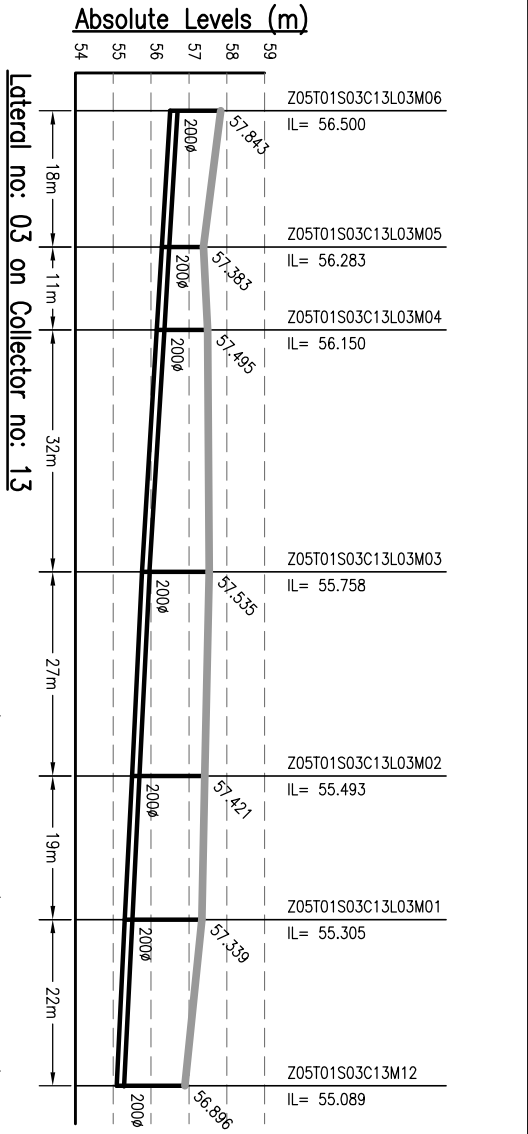
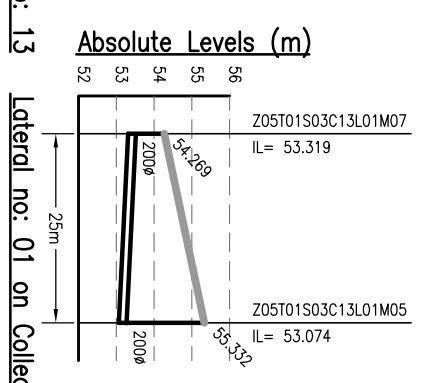
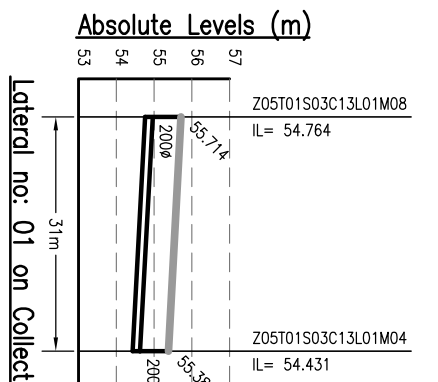
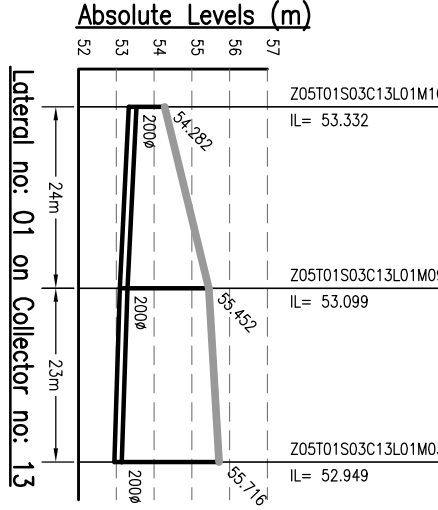
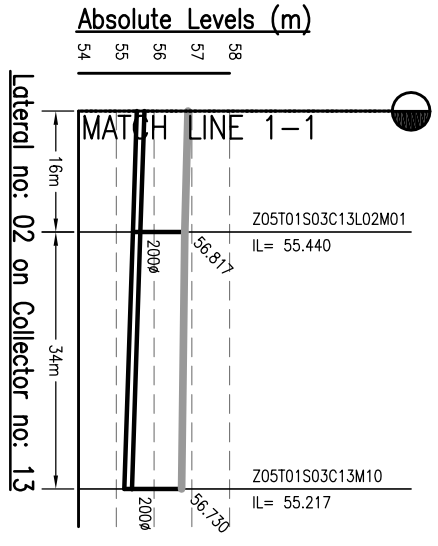
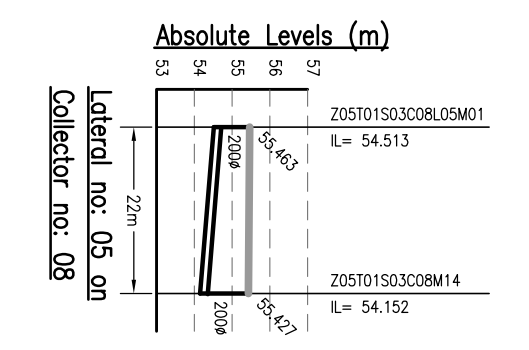
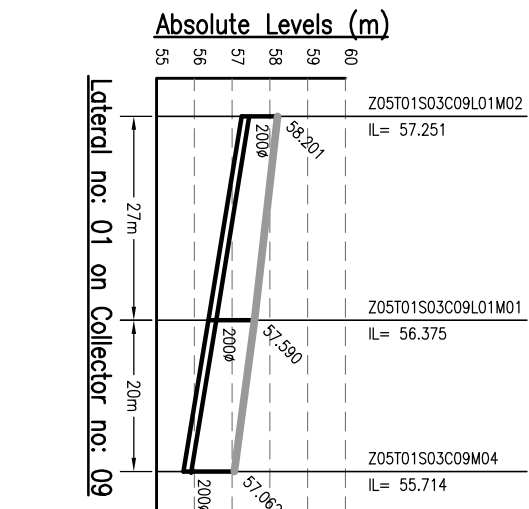
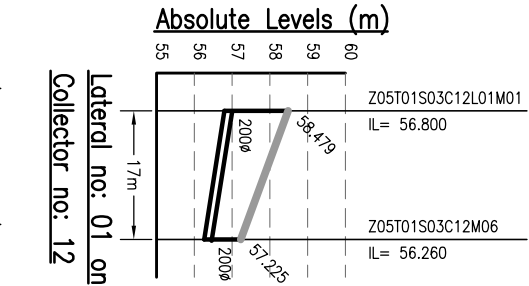
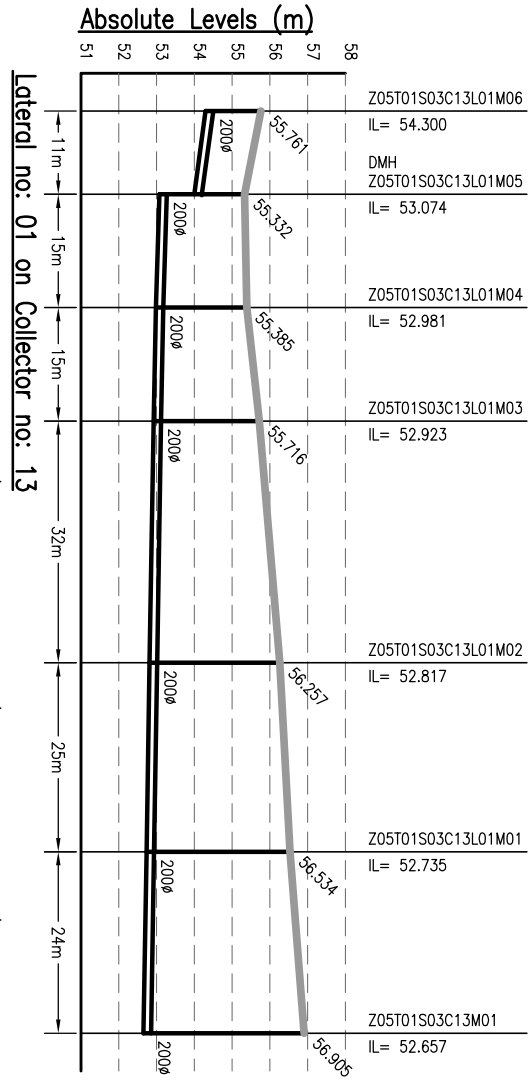
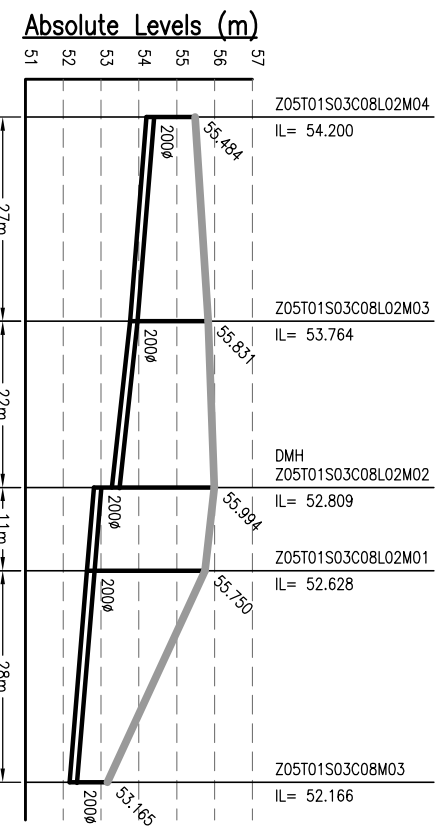
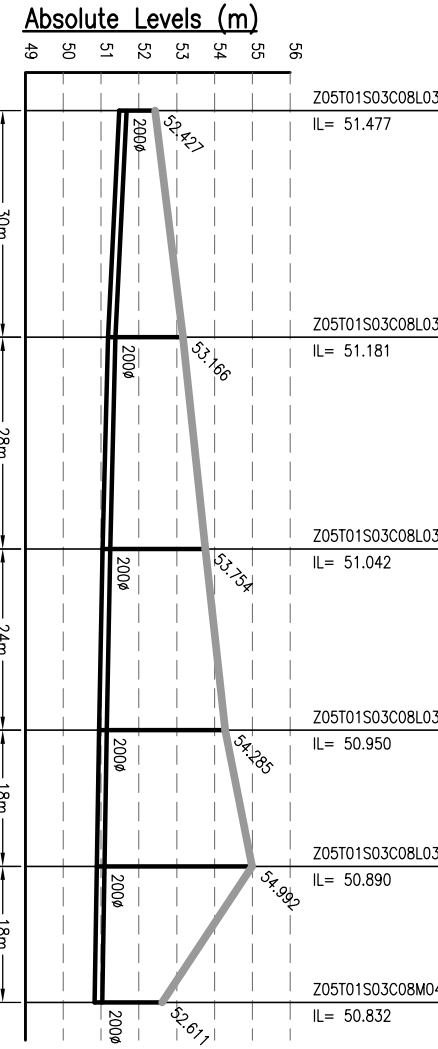
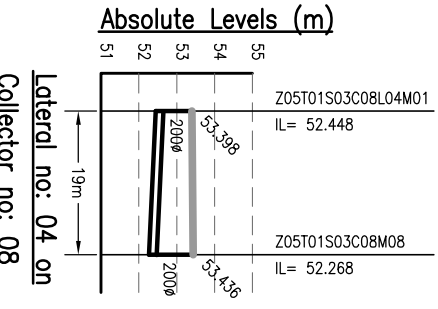
**CONSULTANT:-**  
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 Ph.:+91 120 2516165, Fax No.:+91 120 2515745  
 www.meinhardtgroup.com, Email:info@meinhardtdh.com

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 4 OF 8)

DISCIPLINE	NO.	DATE	BY	CHKD
DESIGNED	JR	MAY 2013		
CHECKED	RP	MAY 2013		
APPROVED	CRR	MAY 2013		
DRAWN	SKS	MAY 2013		

PURPOSE OF ISSUE: DRAFT DETAILED PROJECT REPORT  
 SCALE: H-1000, V-200  
 SHEET SIZE: A3  
 DATE OF FIRST ISSUE: MAY 2013

JOB NO. 1092.01 PH Z5-T1-L-04  
 DRAWING NO. 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:-  
**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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**MEINHARDT**

**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-1 (SPS-A)**

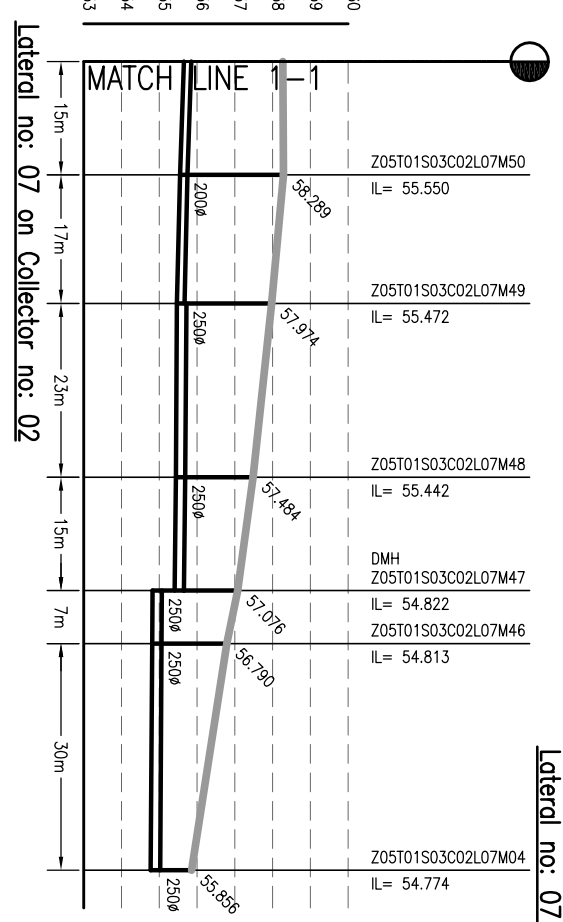
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DESIGNED BY	CHECKED BY	DATE OF FIRST ISSUE
SNS	JR	MAY 2013
SNS	RP	MAY 2013
SNS	CR	MAY 2013

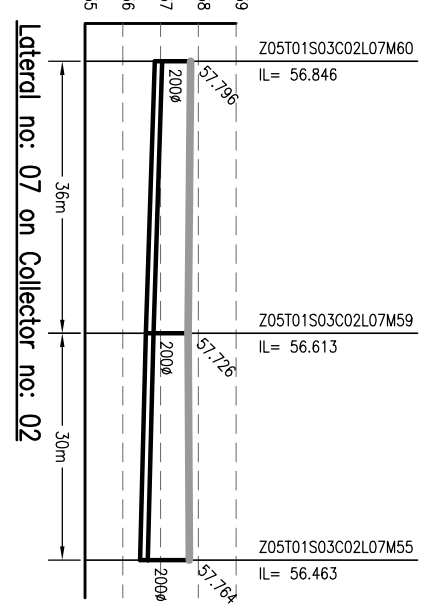
DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-T1-L-05	00



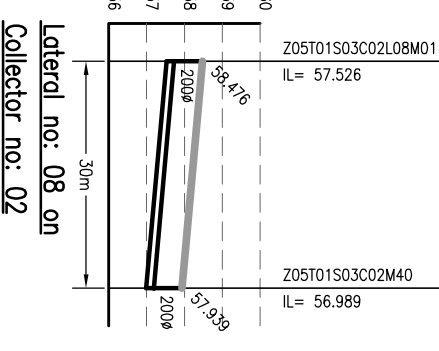
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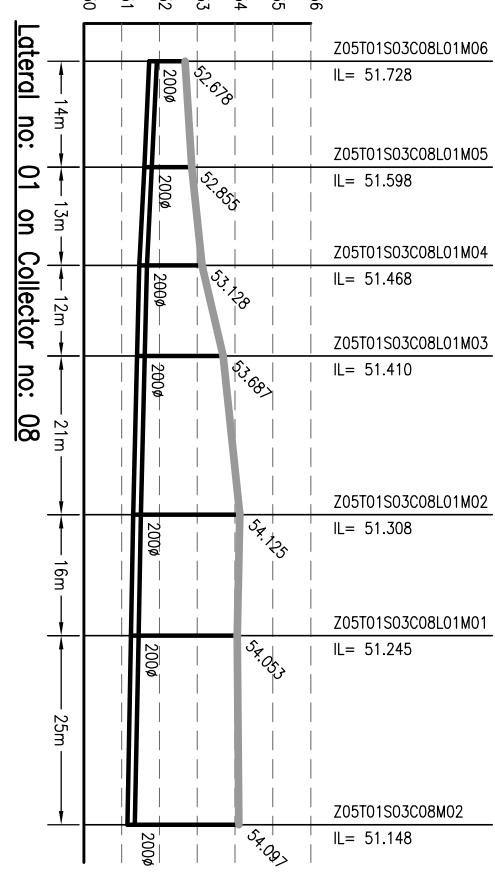
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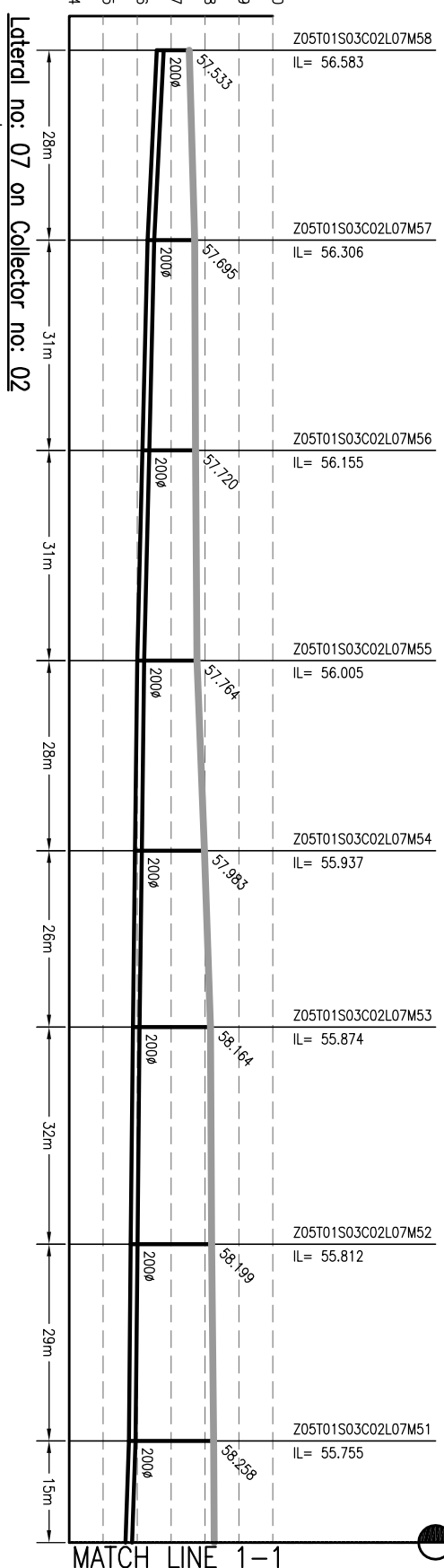
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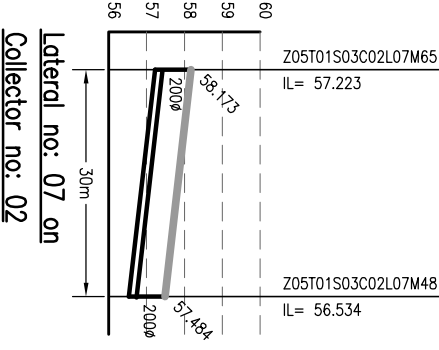
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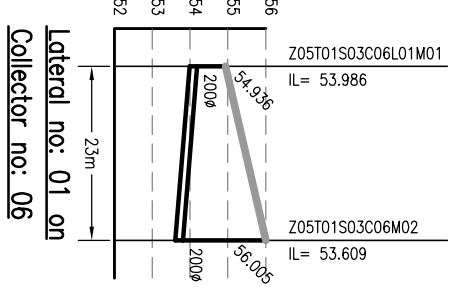
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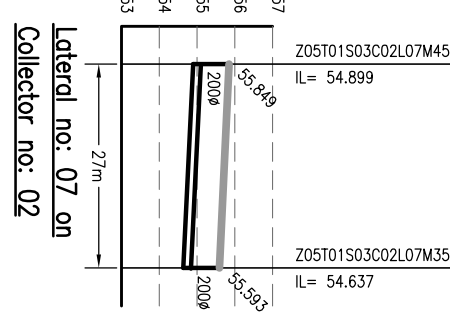
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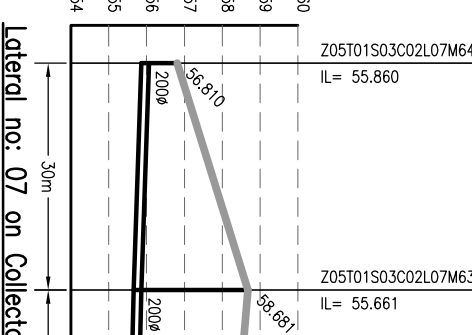
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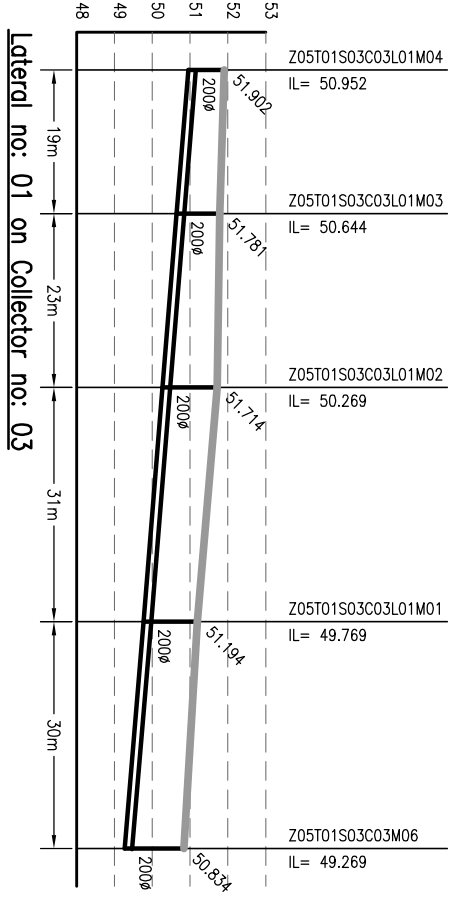
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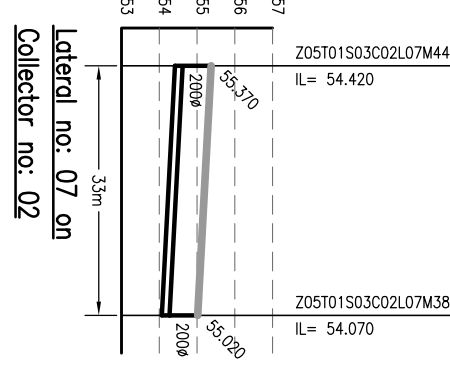
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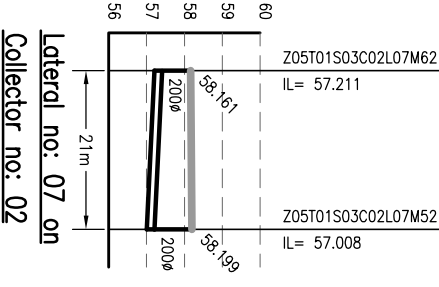
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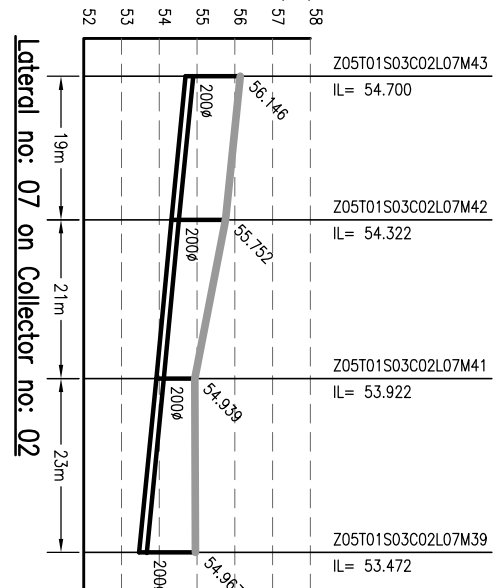
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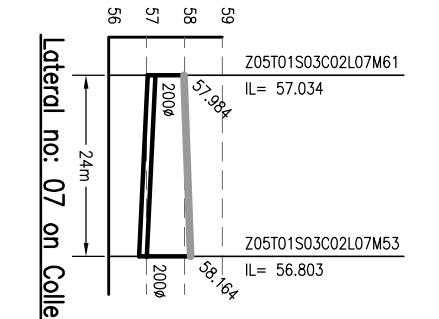
**Absolute Levels (m)**



**Absolute Levels (m)**



**Absolute Levels (m)**



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

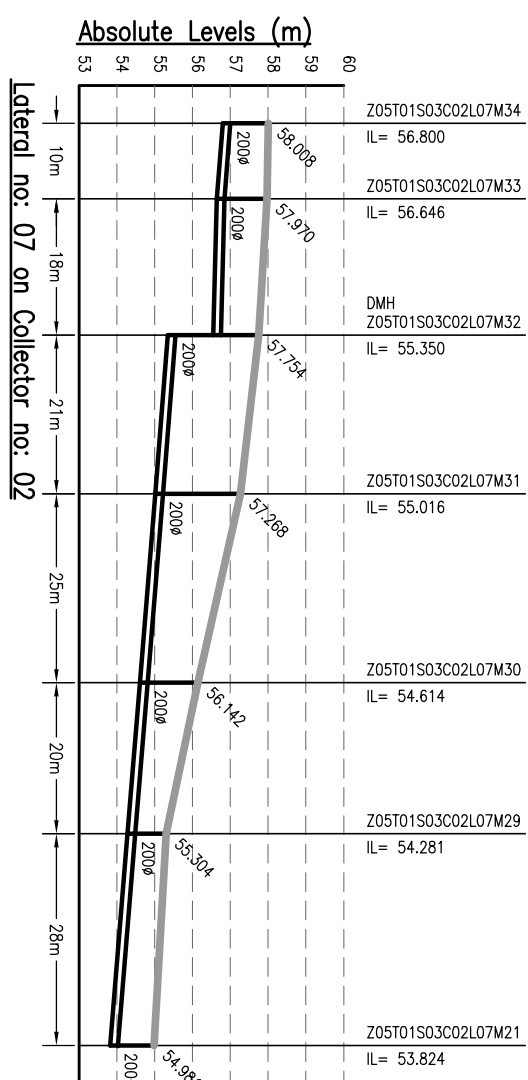
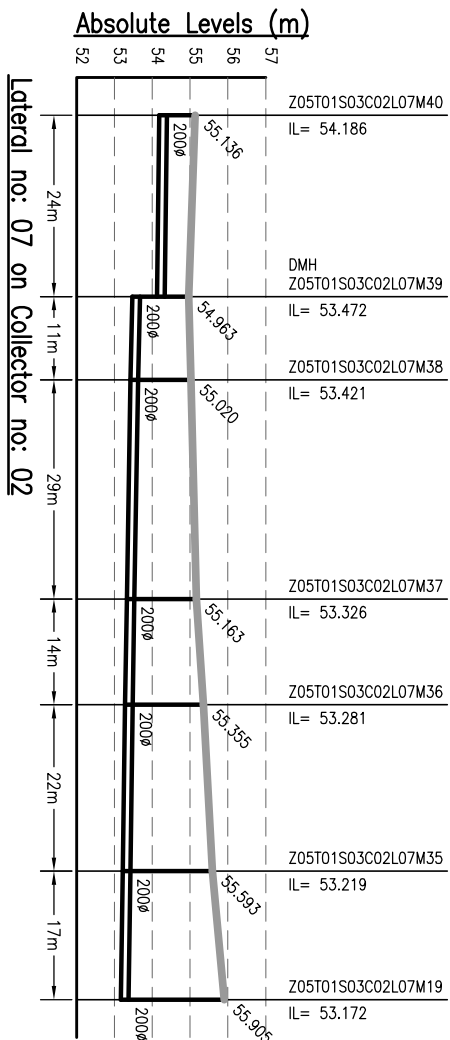
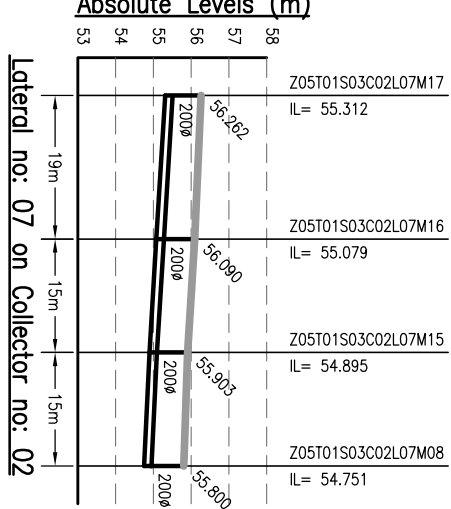
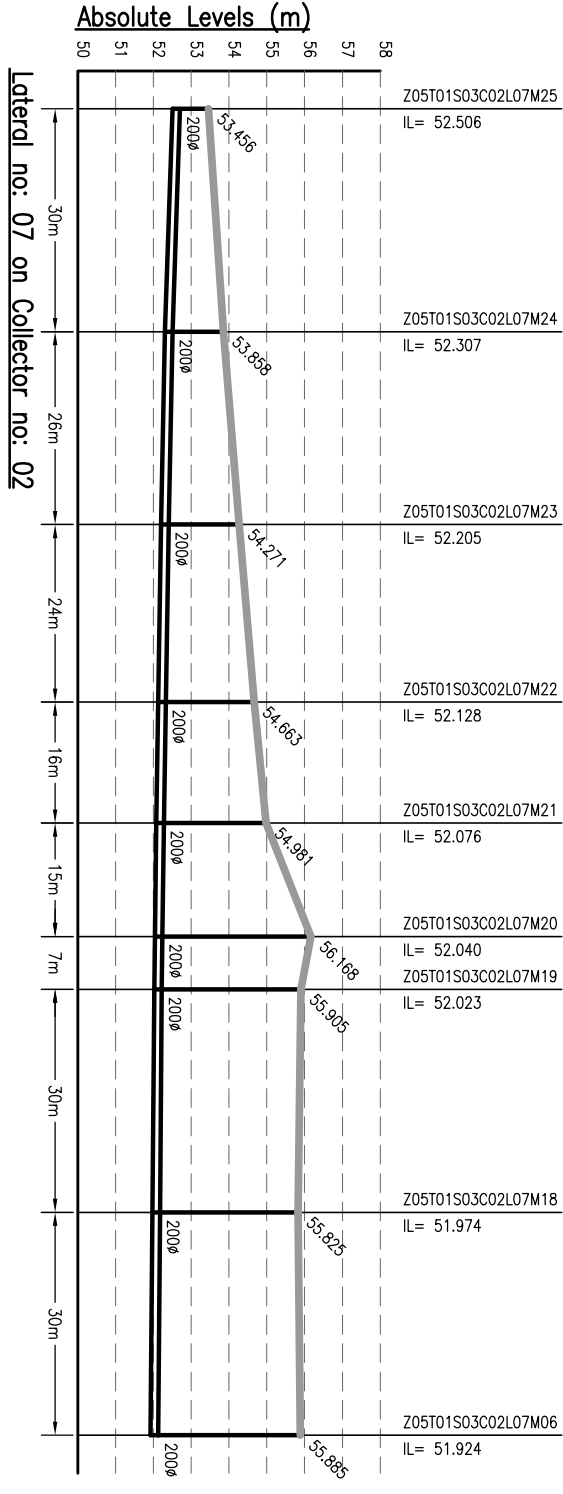
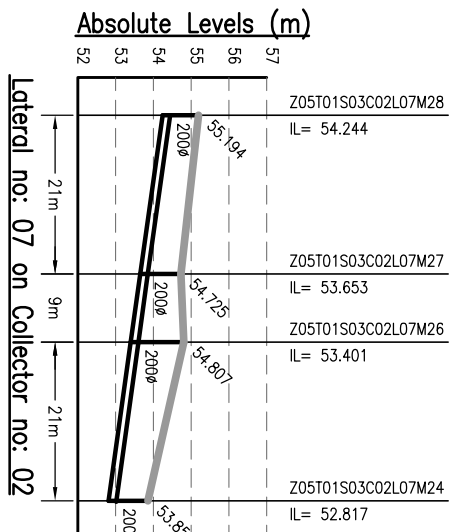
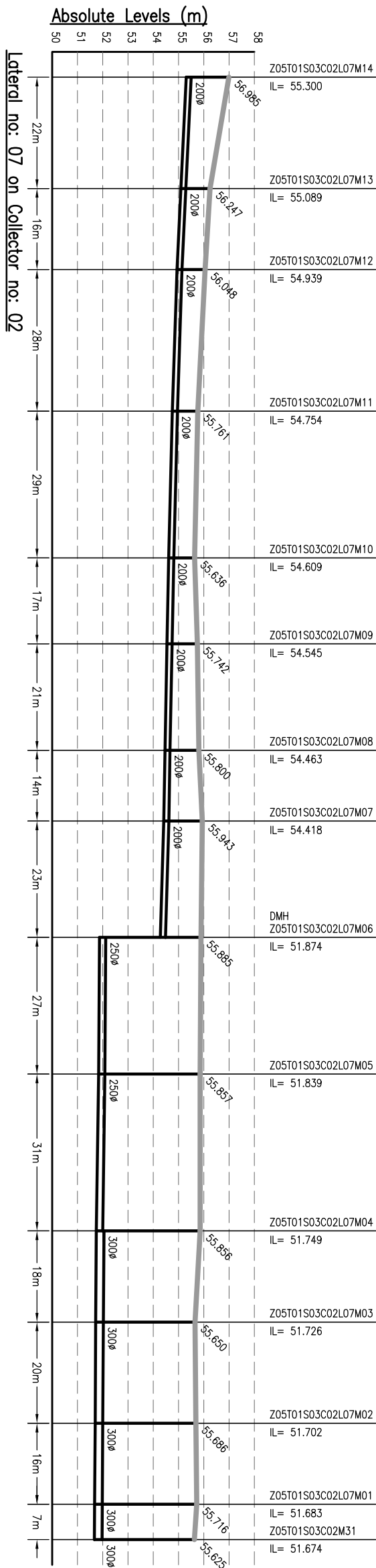
REV	DATE	NAME	DESCRIPTION	CHKD
00	MAY'13	SNS	DRAFT DPR SUBMISSION	RP

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

**CONSULTANT:-**  
**MEINHARDT**  
 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

DESIGNED	SNS	DATE OF FIRST ISSUE	MAY 2013
CHECKED	JR	DATE OF FIRST ISSUE	MAY 2013
APPROVED	RP	DATE OF FIRST ISSUE	MAY 2013
JOB NO.	1092.01	DISCIPLINE	PH
DRAWING NO.	Z5-T1-L-06	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	SKS	DRAFT DIR SUBMISSION	RP

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 P.O.:- +91 120 2516165, Fax No.:- +91 120 2515745  
 www.meinhardtgroup.com, Email:- info@meinhardtindia.com

**CONSULTANT:-**

**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
 303 Mahua Tower, Sector 09, Patna - 800 001, Bihar  
 Phone: +91 91 2210101, Fax: +91 91 2210103  
 Website: http://www.biharcidc.com

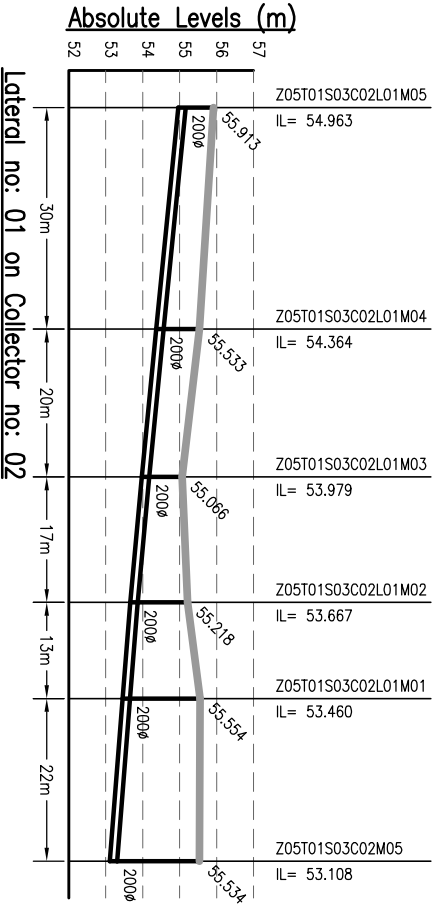
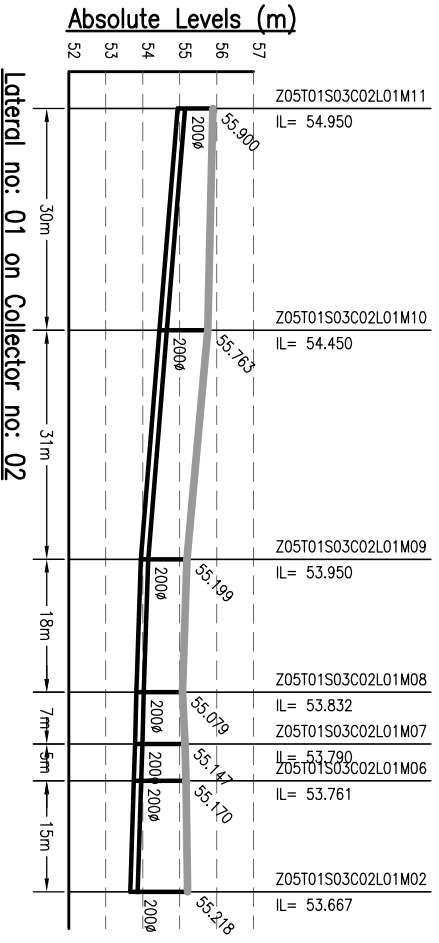
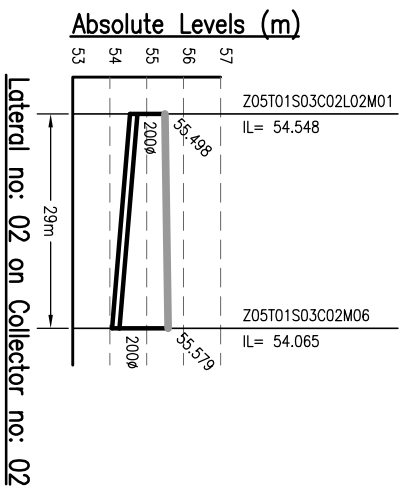
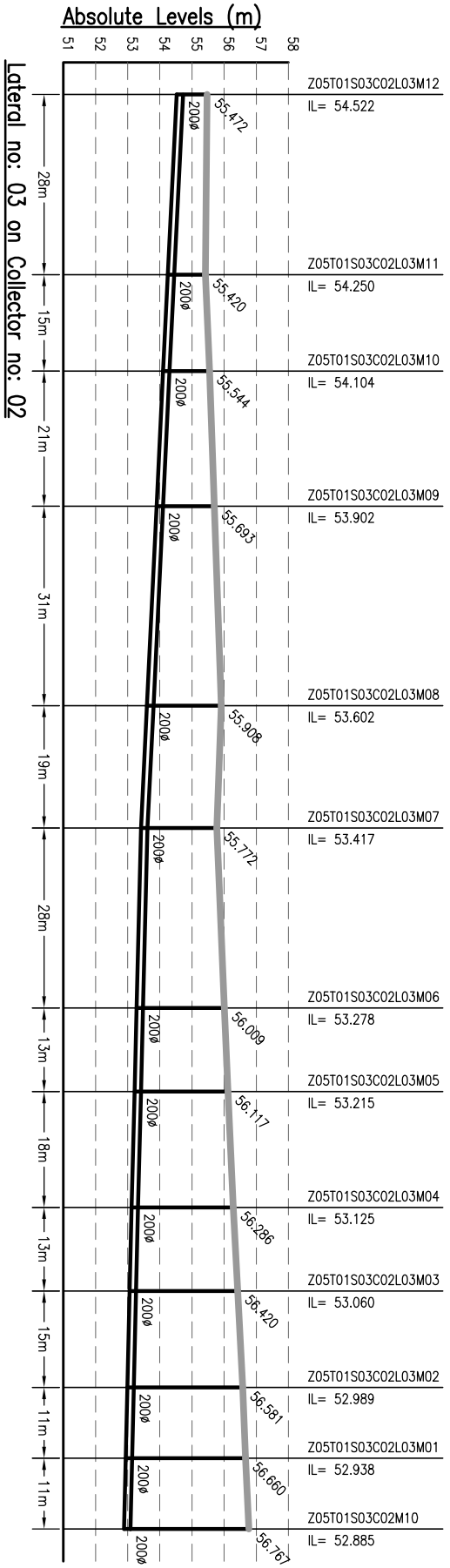
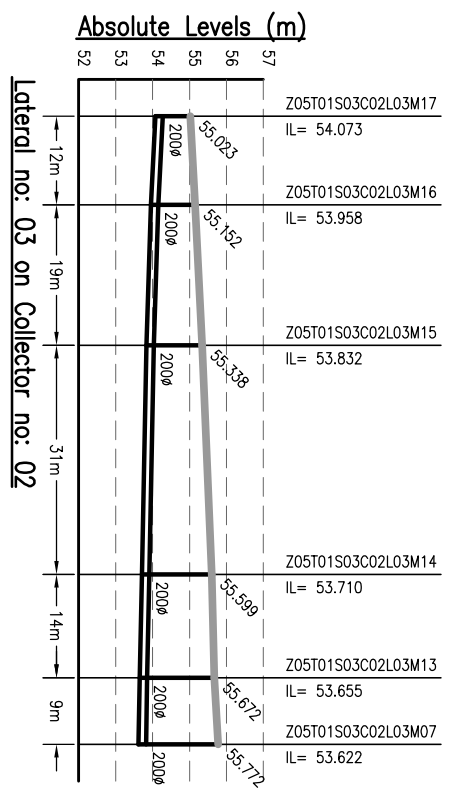
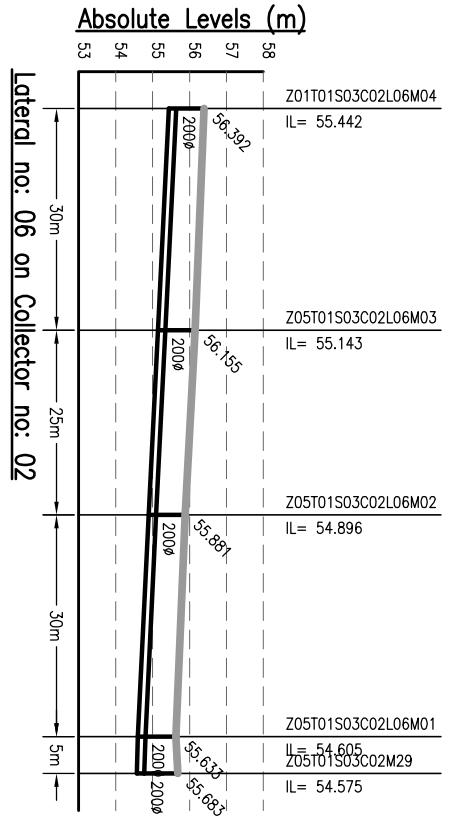
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF LATERAL ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 7 OF 8)

PURPOSE OF ISSUE	SCALE	DATE OF FIRST ISSUE
DRAFT DETAILED PROJECT REPORT	H-1000, V-200	

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T1-L-07	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

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**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**

303 Malabar Tower, 10th Floor, Plot No. 10, Sector-16, Noida-201301, India  
 Phone: +91 120 2516165, Fax: +91 120 2515745  
 Website: [www.bidc.gov.in](http://www.bidc.gov.in)

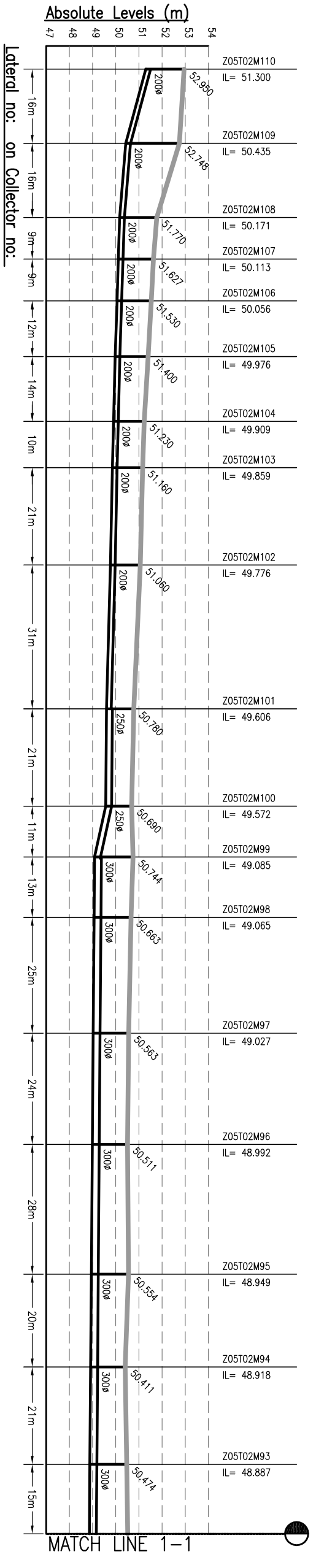
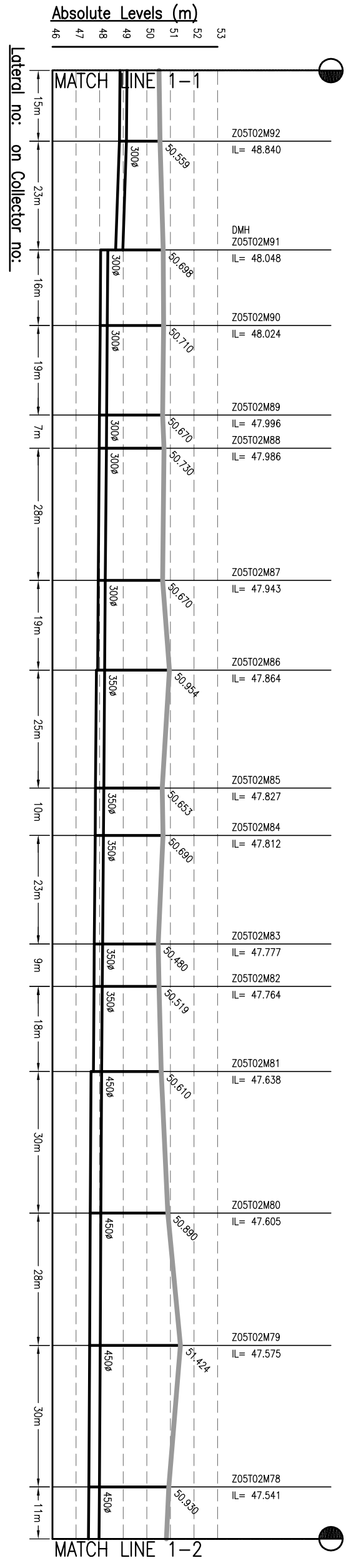
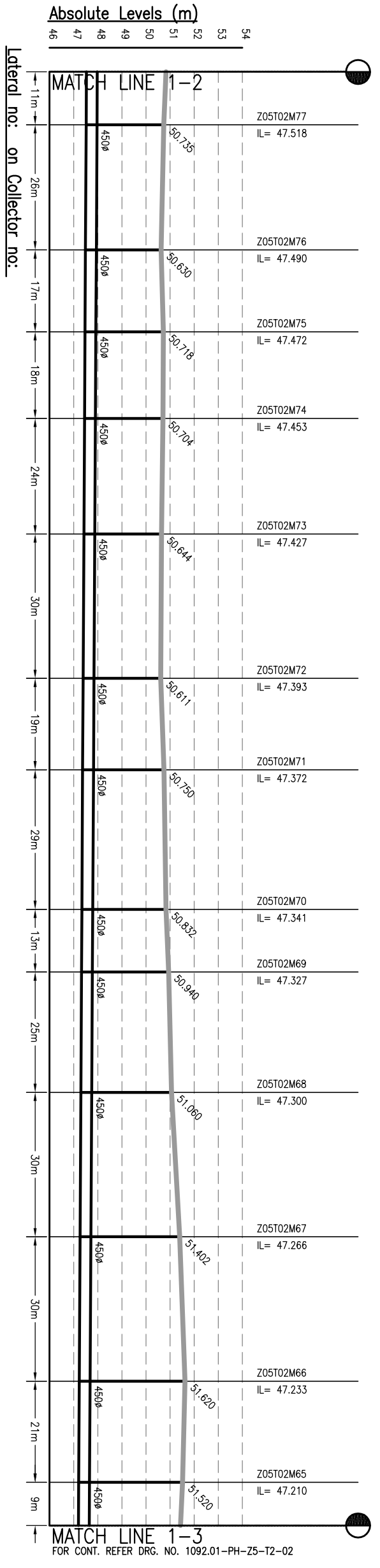
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (IDPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

**CONSULTANT:-**

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

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF LATERAL**  
**ZONE-5, TRUNK-1 (SPS-A)**  
 (PART - 8 OF 8)

DISCIPLINE	NO.	DATE	REVISION
PH	25-T1-L-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	SKS	DRAFT DPR SUBMISSION	RP

**AMENDMENTS**

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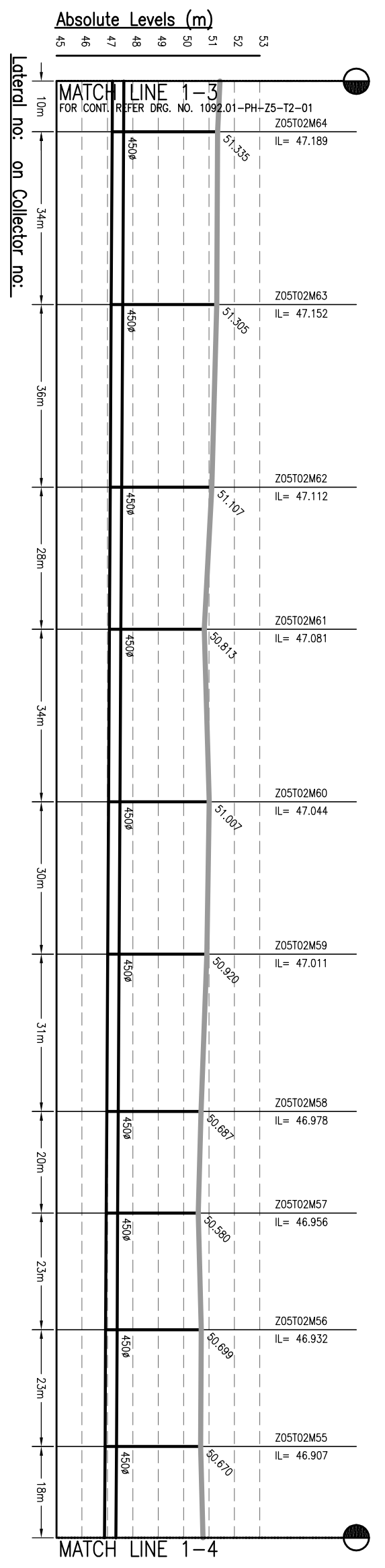
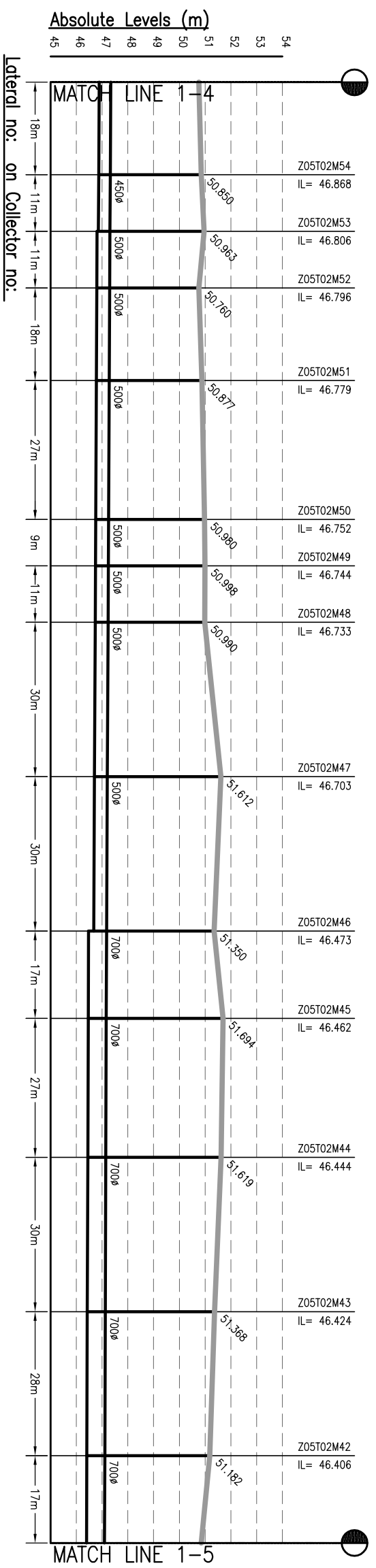
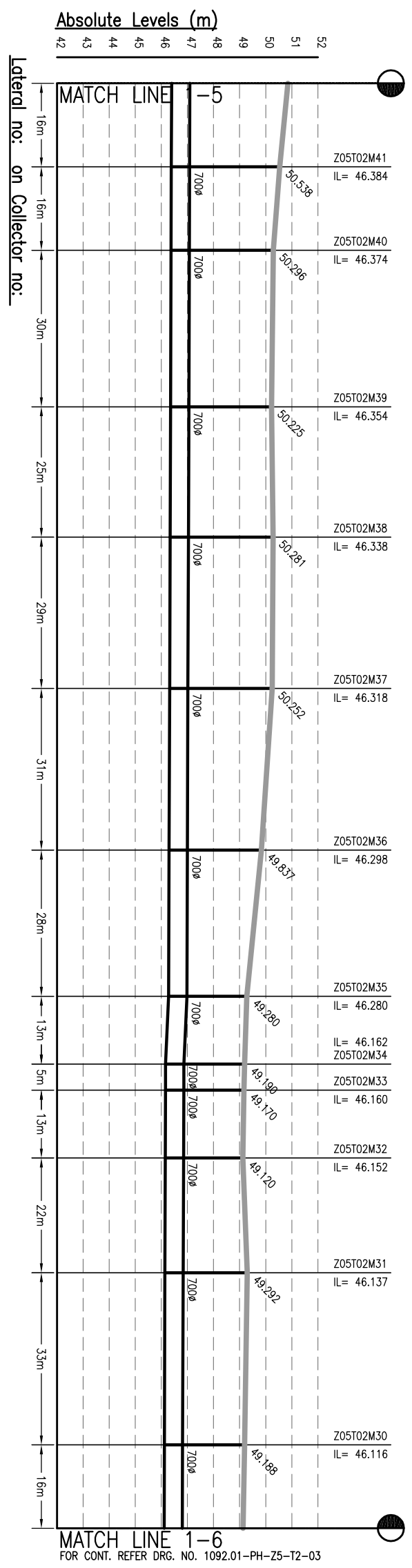
**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
303, Mahara Tower, 10th Floor, Plot No. 10, Sector-16, Noida-201301, India  
Phone: +91 20 25161651 Fax: +91 20 25161653  
Website: [www.buidc.com](http://www.buidc.com)

**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:-**  
**MEINHARDT**  
MEINHARDT (SINGAPORE) PTE. LTD.  
A-8, Sector-16, Noida-201301, India  
Ph.: +91 20 25161651 Fax No.: +91 120 2515745  
[www.meinhardtgroup.com](http://www.meinhardtgroup.com), Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE L-SECTION OF TRUNK ZONE-5, TRUNK-2 (SPS-B)**  
(PART - 1 OF 3)

DISCIPLINE	NO.	DATE	REVISION
PH	Z5-T2-01	MAY 2013	00



DATE PLOTTED: 14/12/2013 10:58:00 AM

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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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DEVELOPMENT CORPORATION

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

**CONSULTANT:-**  
**MEINHARDT**  
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**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF TRUNK  
ZONE-5, TRUNK-2 (SPS-B)  
(PART - 2 OF 3)

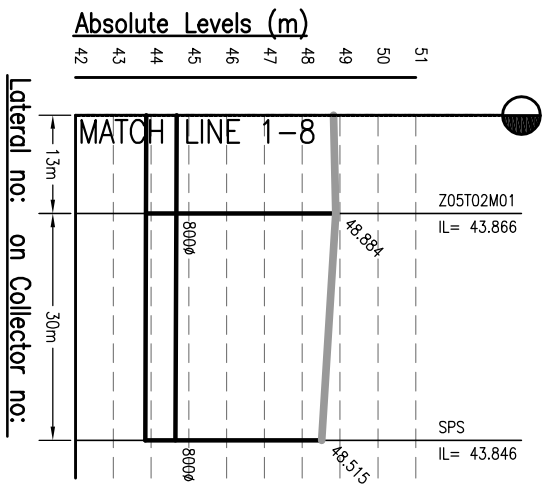
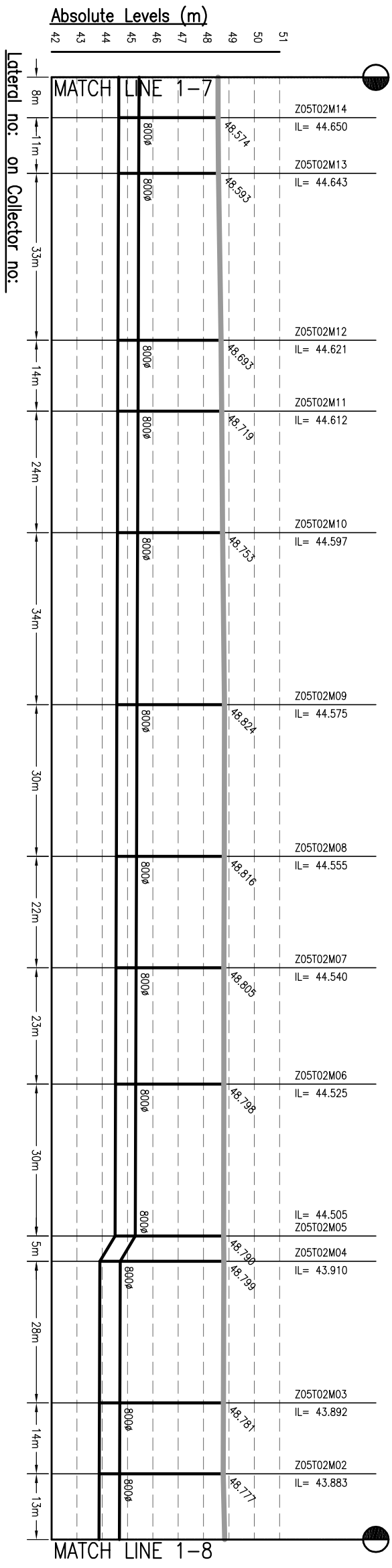
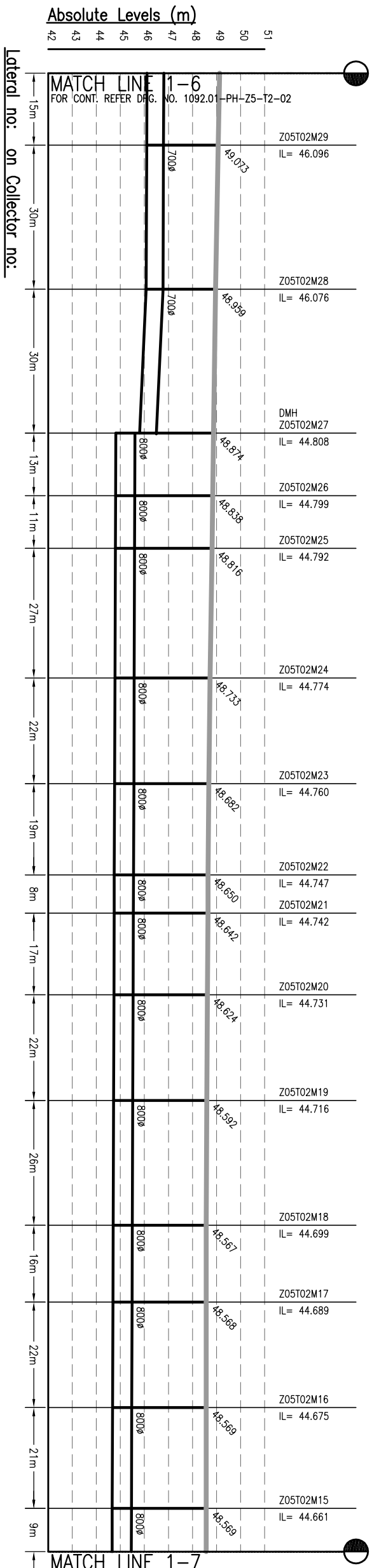
**PURPOSE OF ISSUE**  
DRAFT DETAILED PROJECT REPORT

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

**DRAWN** : SKS  
**DESIGNED** : JR  
**CHECKED** : RP  
**APPROVED** : CRR

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

**JOB NO.** : 1092.01  
**DISCIPLINE** : PH  
**DRAWING NO.** : Z5-T2-02  
**REVISION** : 00



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

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

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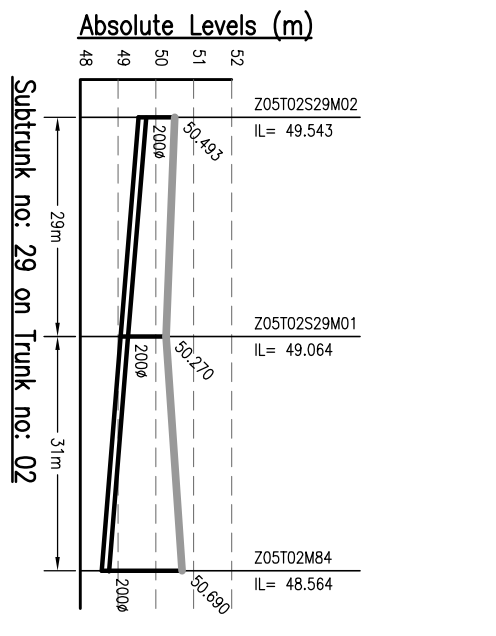
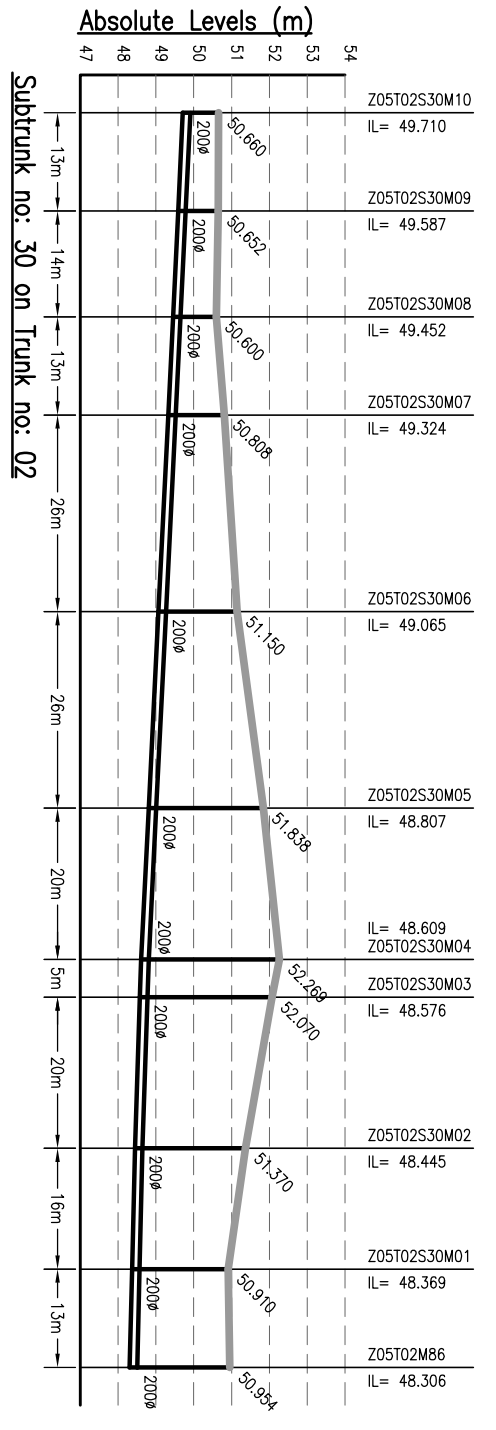
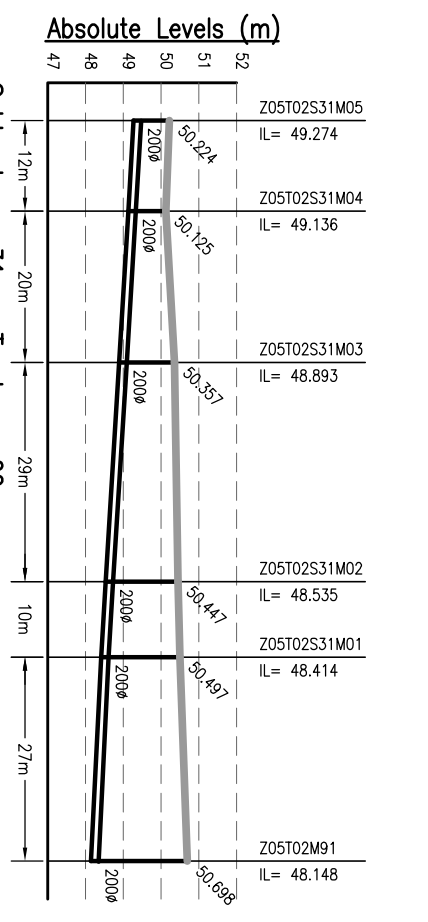
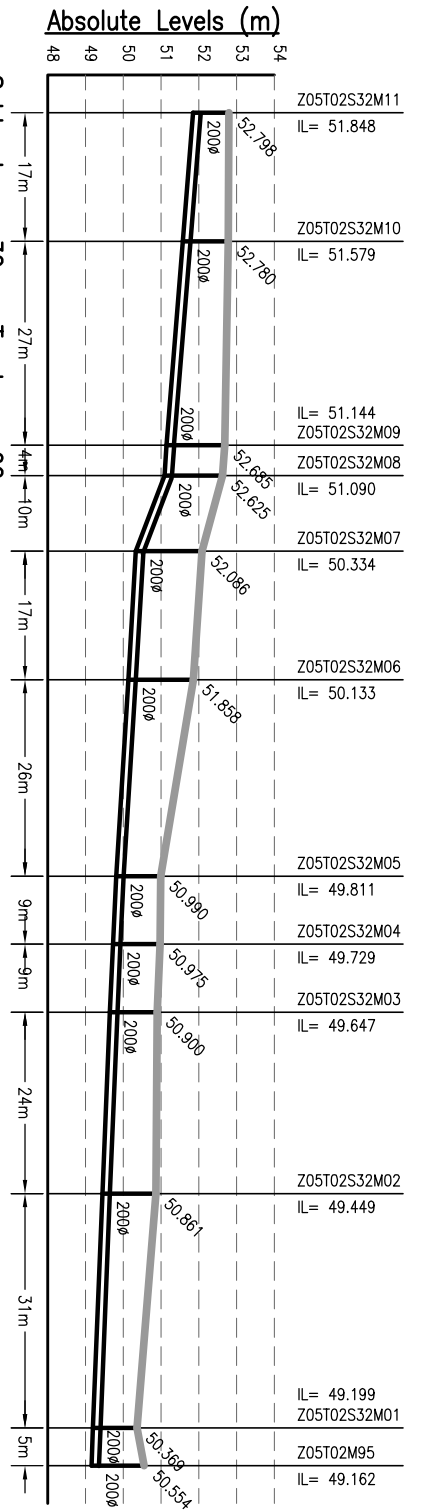
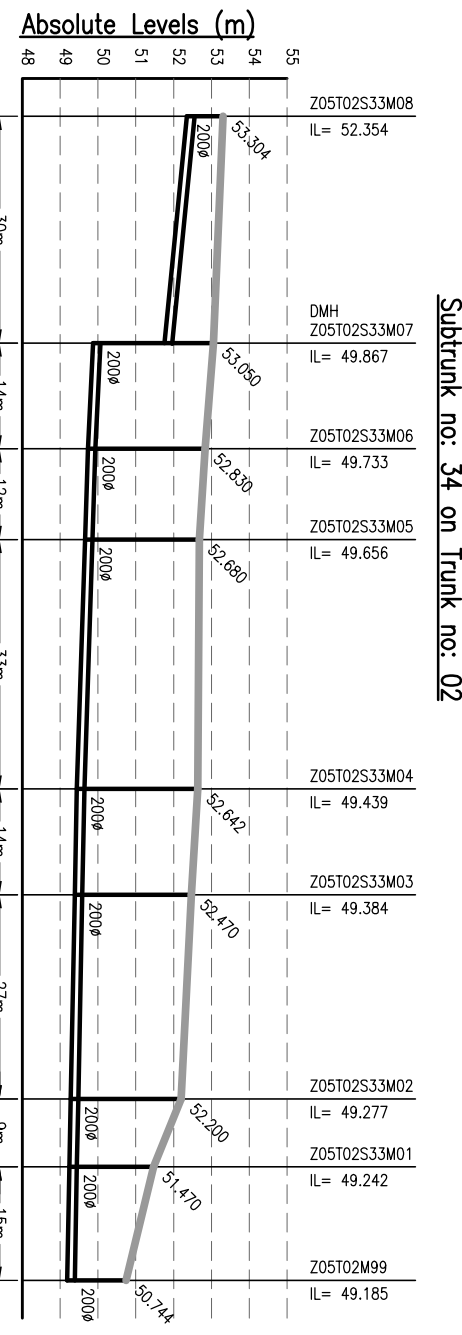
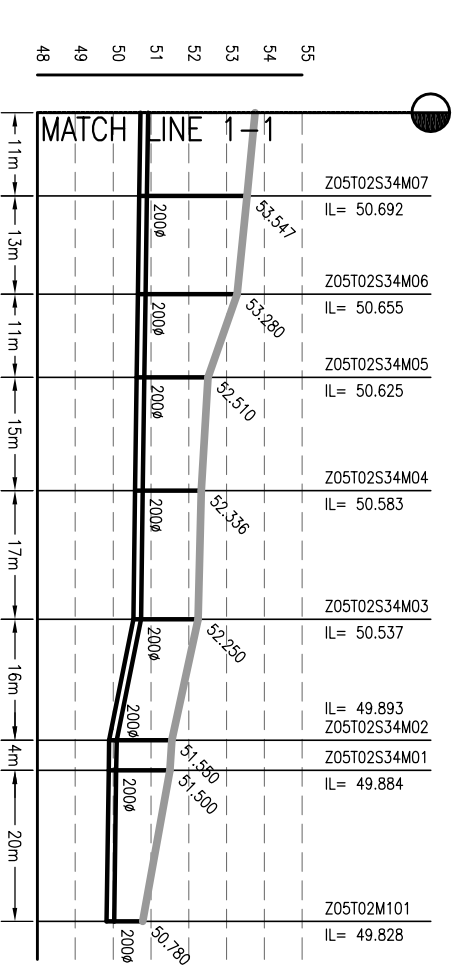
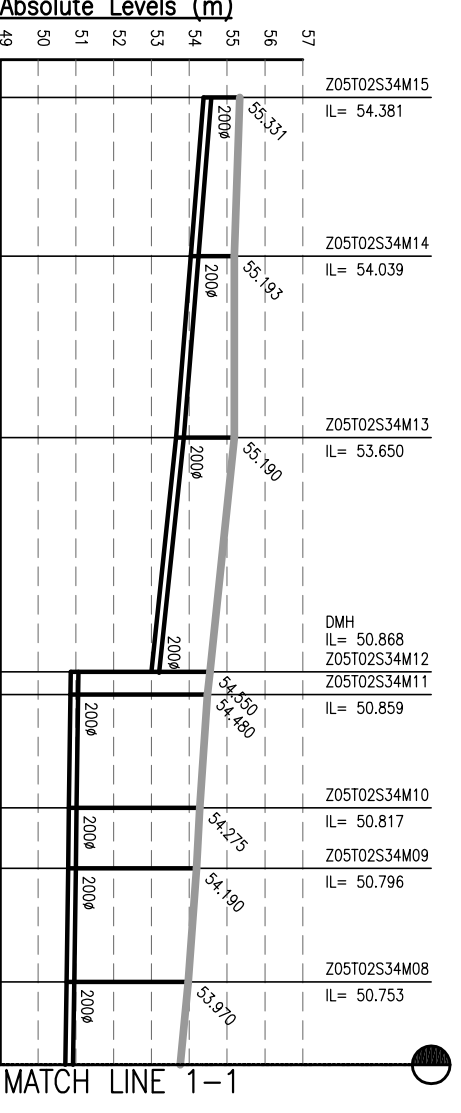
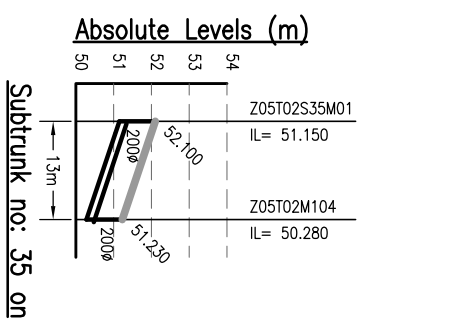
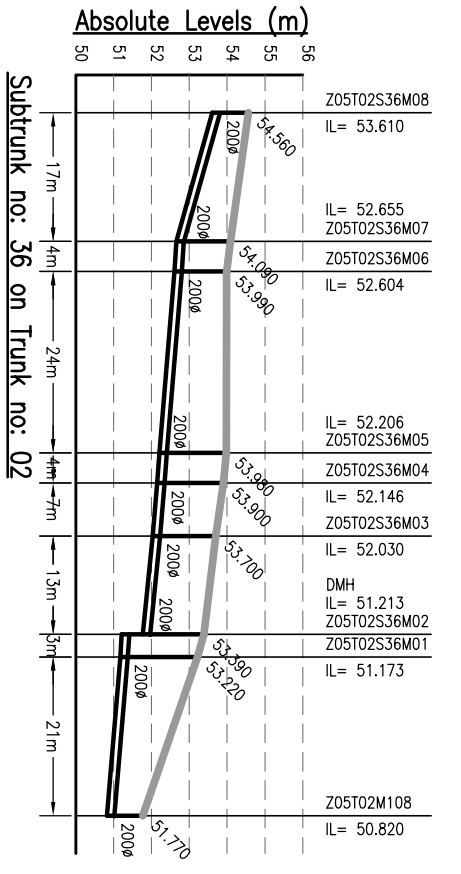
**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
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 CONSTRUCTION SUPERVISION &  
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**CONSULTANT:-**  
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**DRAWING TITLE**  
 SEWERAGE  
 L-SECTION OF TRUNK  
 ZONE-5, TRUNK-2 (SPS-B)  
 (PART - 3 OF 3)

DESIGNED	CHECKED	APPROVED	JOB NO.
JR	RP	CRR	1092.01
MAY 2013	MAY 2013	MAY 2013	PH
DATE OF FIRST ISSUE	DATE OF FIRST ISSUE	DATE OF FIRST ISSUE	DRAWING NO.
MAY 2013	MAY 2013	MAY 2013	Z5-T2-03
SCALE: H-1000, V-200	SHEET SIZE: A3	DISCIPLINE	REVISION
PURPOSE OF ISSUE	REPORT	PH	00
DRAFT DETAILED PROJECT REPORT	BY		
SKS			
DRAWN			



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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

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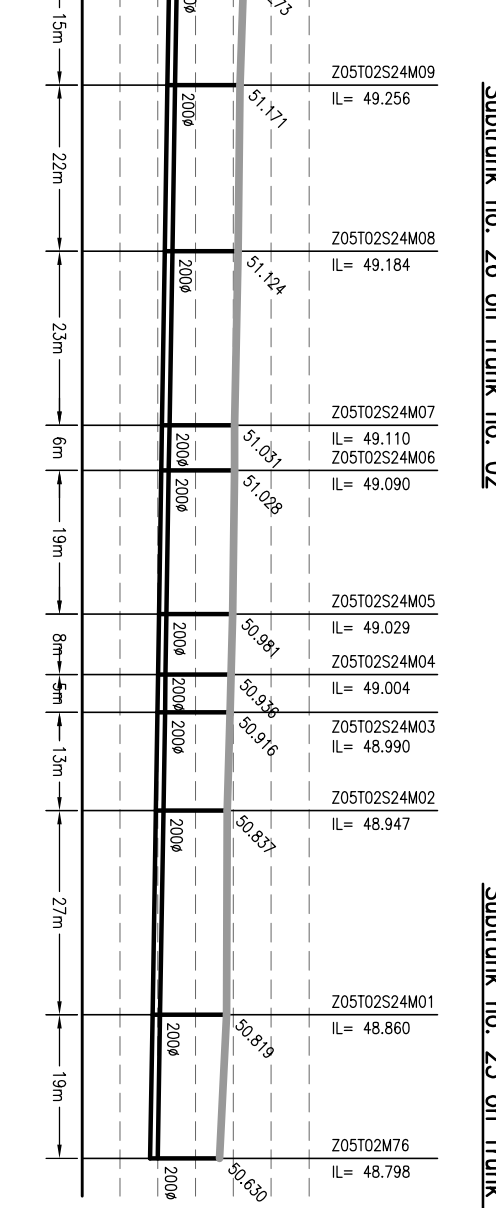
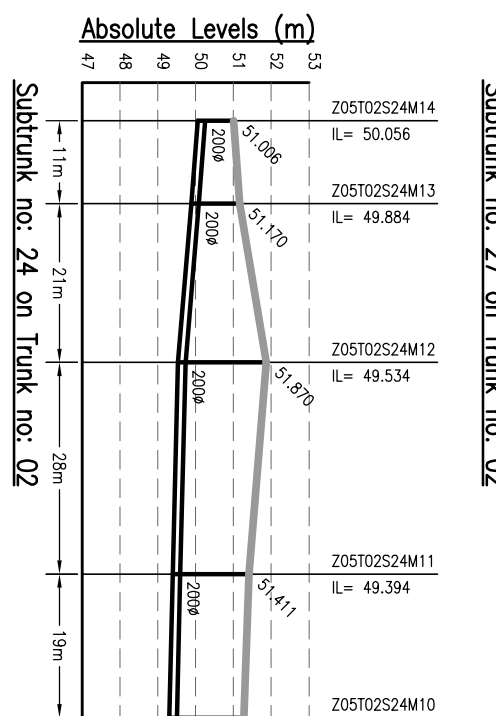
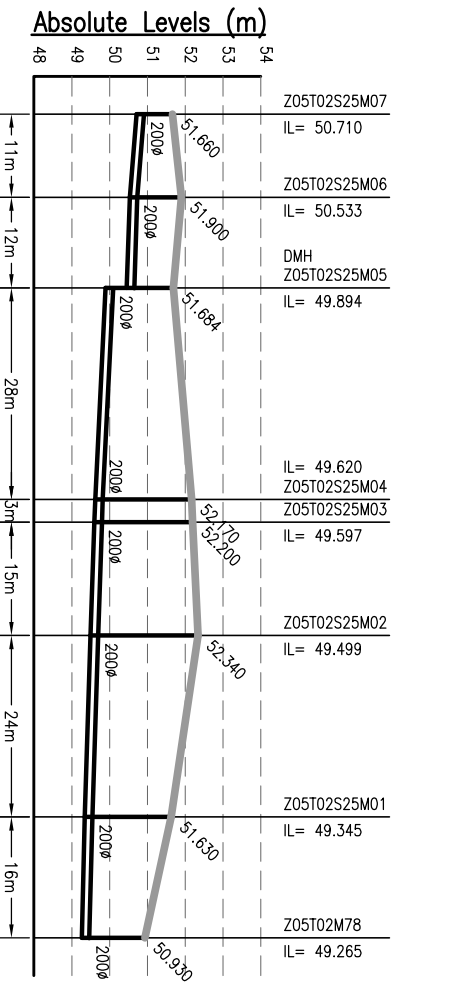
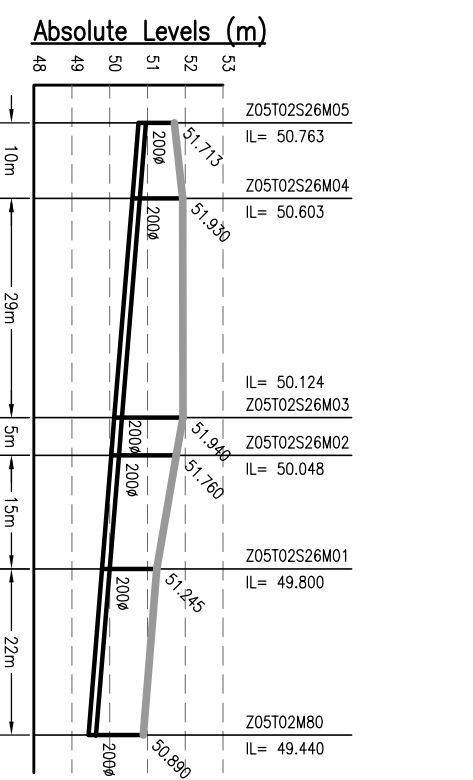
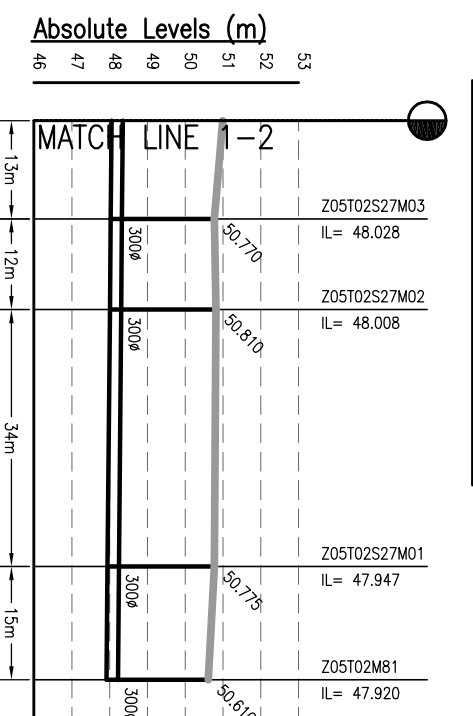
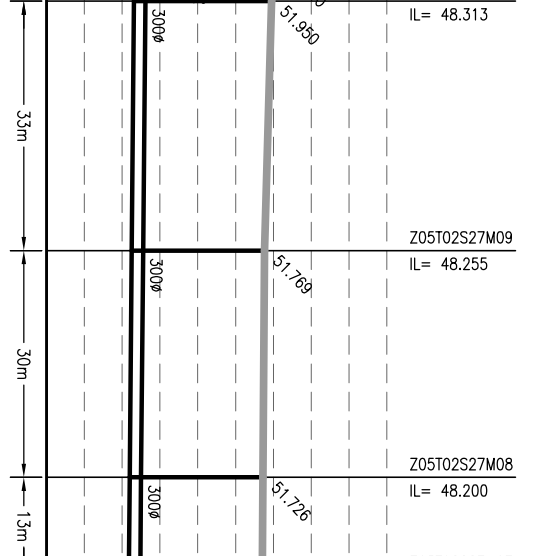
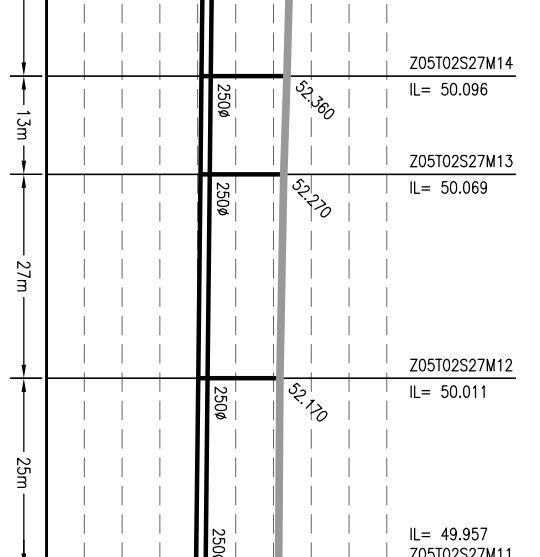
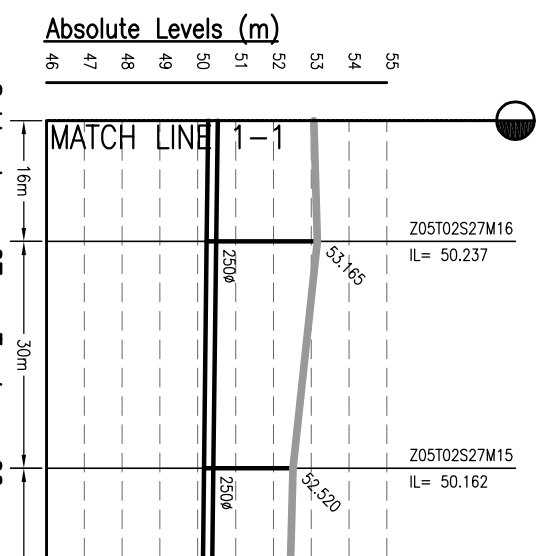
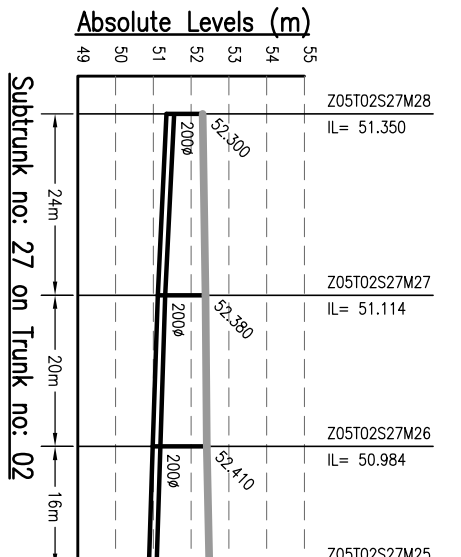
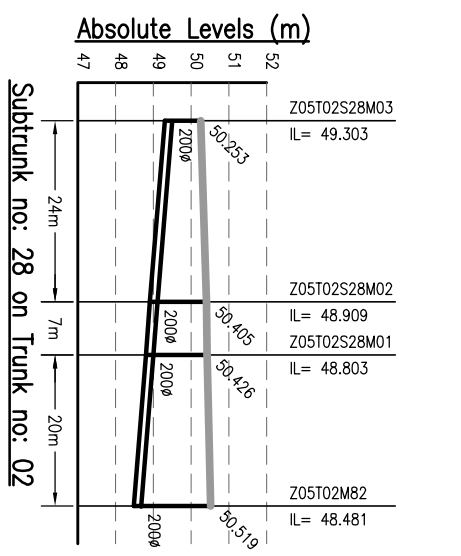


**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303, Malabar Tower,  
 Plot No. 10/101,  
 P.O. Box: 166/22 (0101), Sakinaka, (081) 22-0103  
 Website: [www.uicdc.com](http://www.uicdc.com)

**PROJECT:-**  
 PREPARATION OF DETAILED  
 PROJECT REPORTS (DPRS) & BID  
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 TENDERING FOR EXECUTION;  
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**CONSULTANT:-**  
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 P.O.:- 491 120 2516165, Fax No.:- +91 120 2515745  
[www.meinhardtdesign.com](http://www.meinhardtdesign.com), Email:- [info@meinhardtdesign.com](mailto:info@meinhardtdesign.com)

DRAWING TITLE		SCALE	
<b>SEWERAGE</b>		H-1000, V-200	
<b>L-SECTION OF SUB-TRUNK</b>			
<b>ZONE-5, TRUNK-2 (SPS-B)</b>			
(PART - 1 OF 9)			
PURPOSE OF ISSUE	DRAWN	DATE OF FIRST ISSUE	SHEET SIZE
DRAFT DETAILED PROJECT REPORT	SNS	MAY 2013	A3
DESIGNED	CHECKED	APPROVED	JOB NO.
JR	RP	RP	1092.01
DISCIPLINE	DRAWING NO.	REVISION	
PH	Z5-12-S-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:-  
**PHC WORK ORDER 3489, DATED 15 DECEMBER 2009.**

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

**AMENDMENTS**

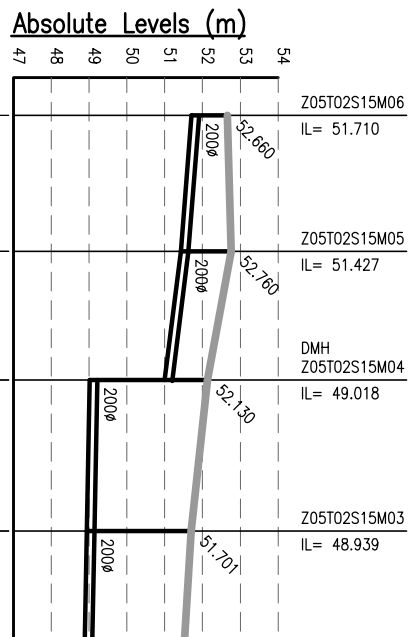
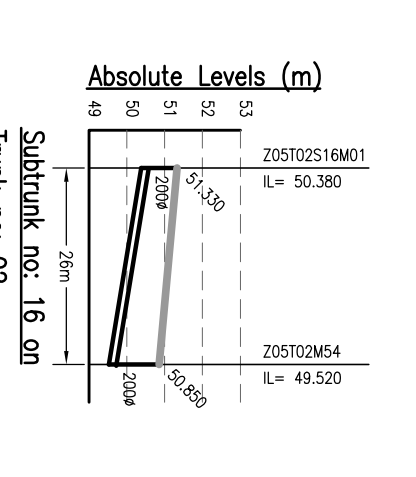
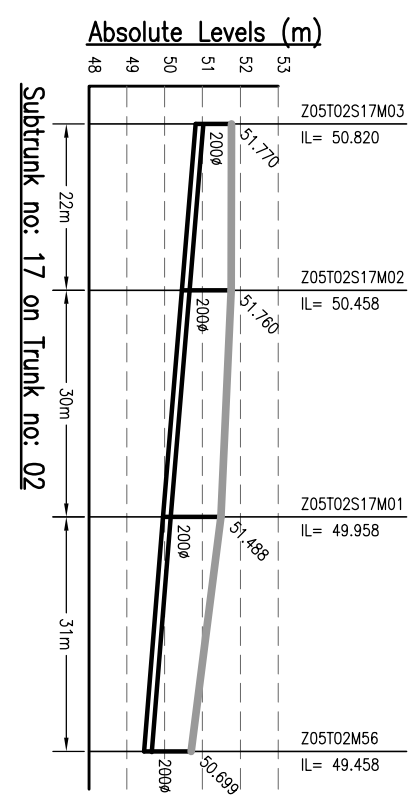
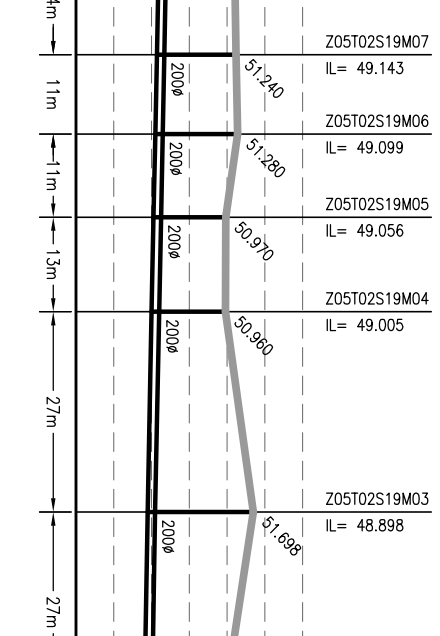
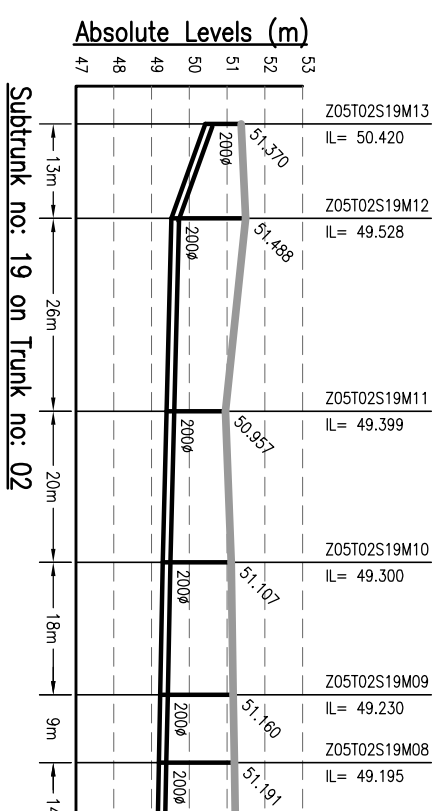
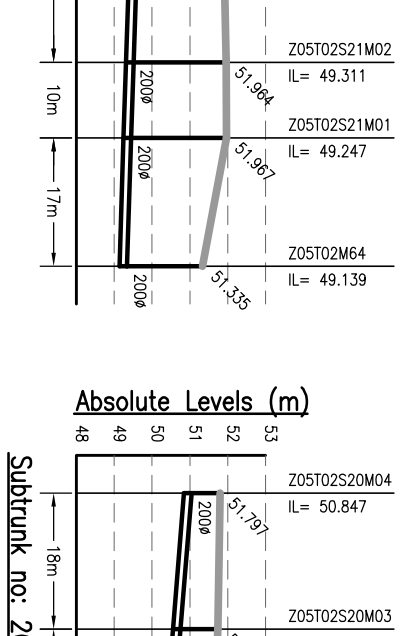
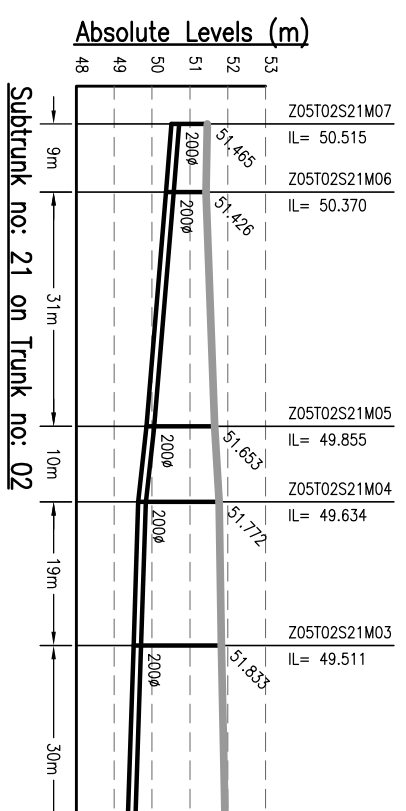
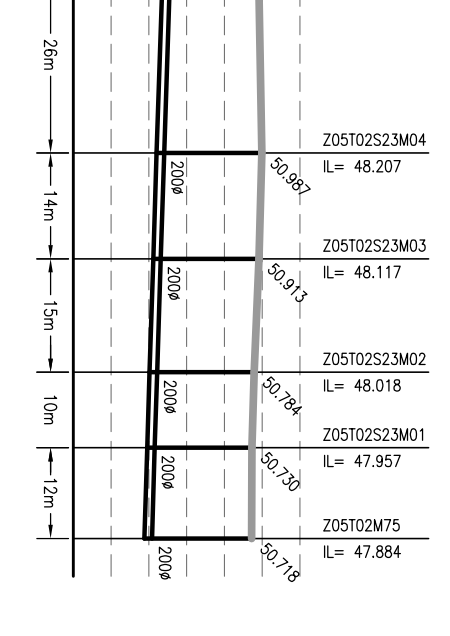
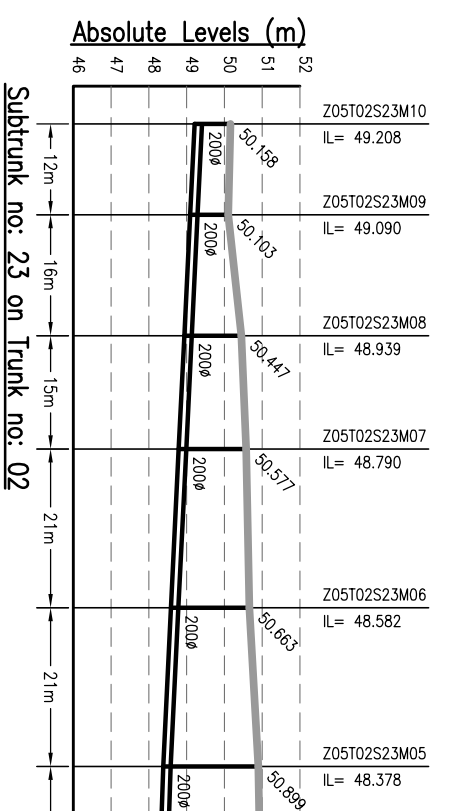
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DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-12-S-02	00






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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

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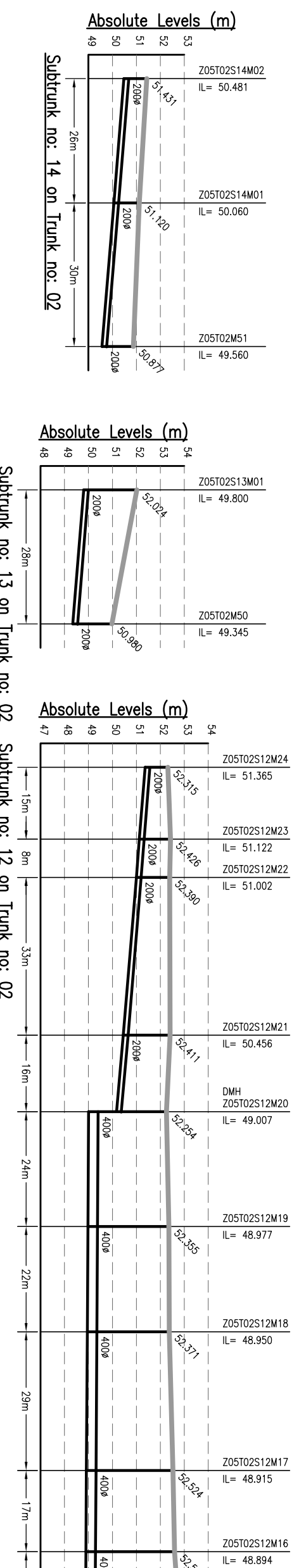
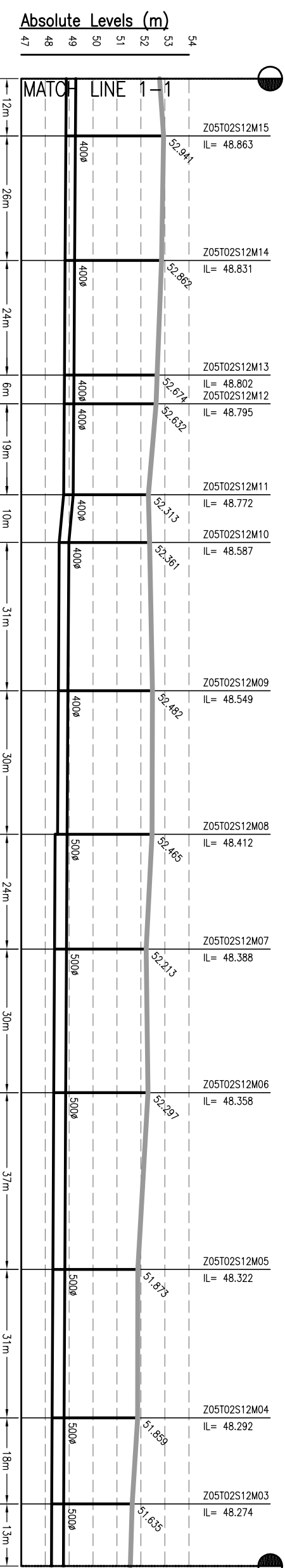
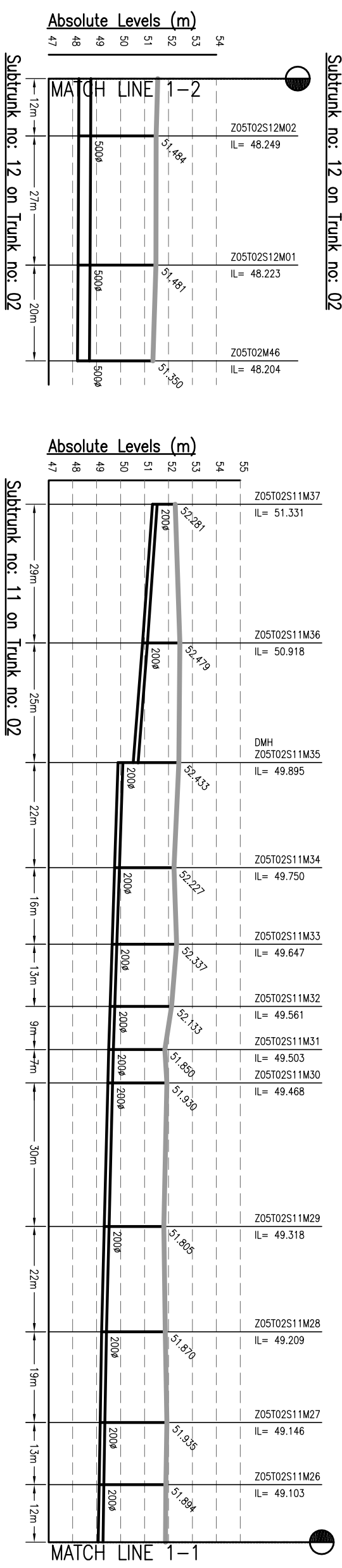
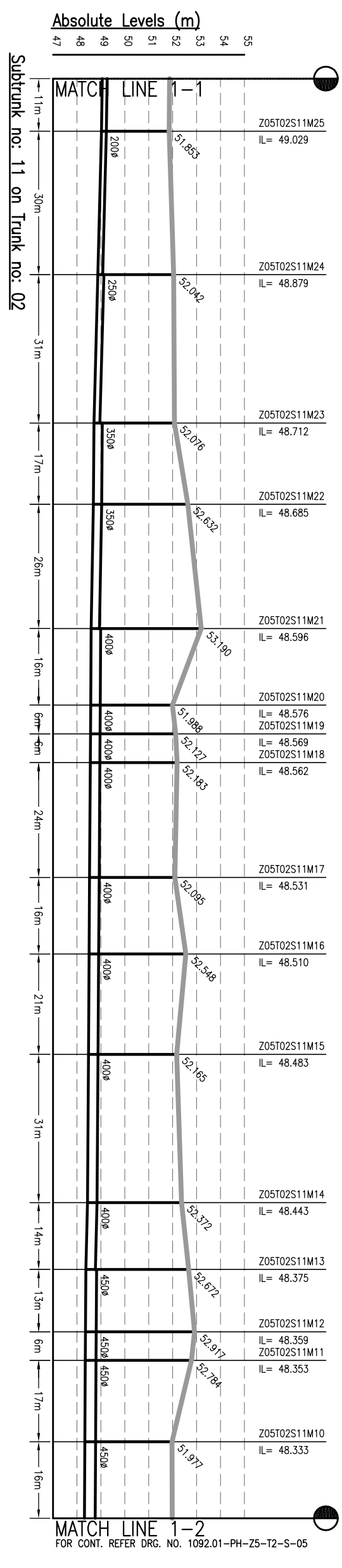
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**DRAWING TITLE**  
**SEWERAGE L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-2 (SPS-B) (PART - 3 OF 9)**

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

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



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

REV	DATE	NAME	DESCRIPTION	CHKD
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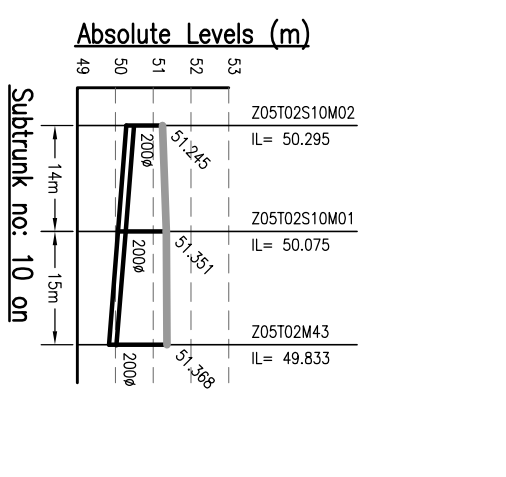
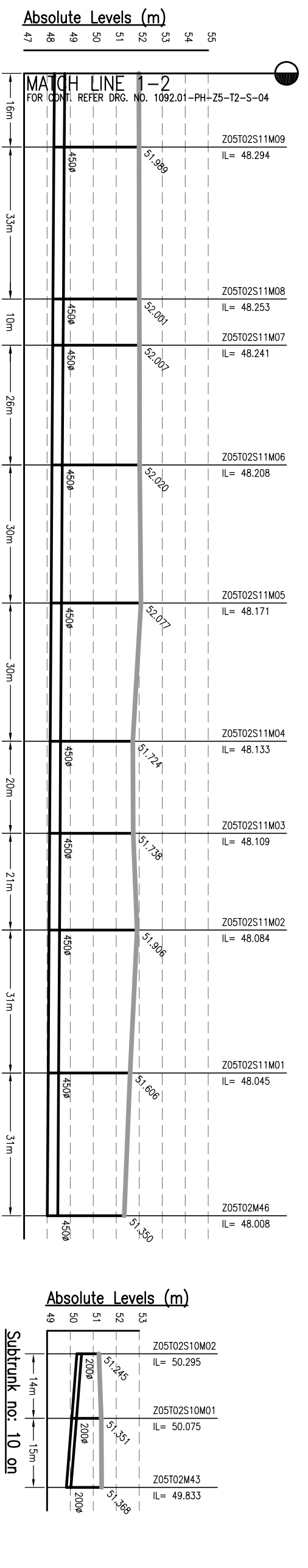
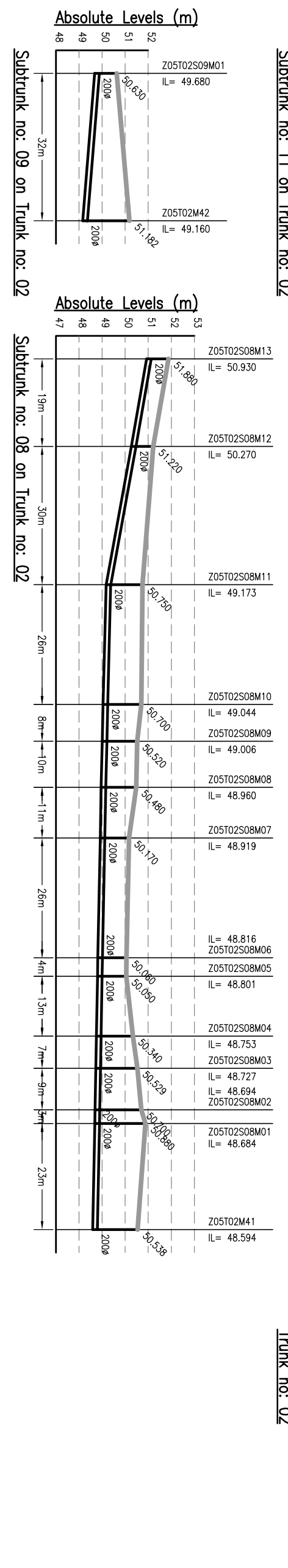
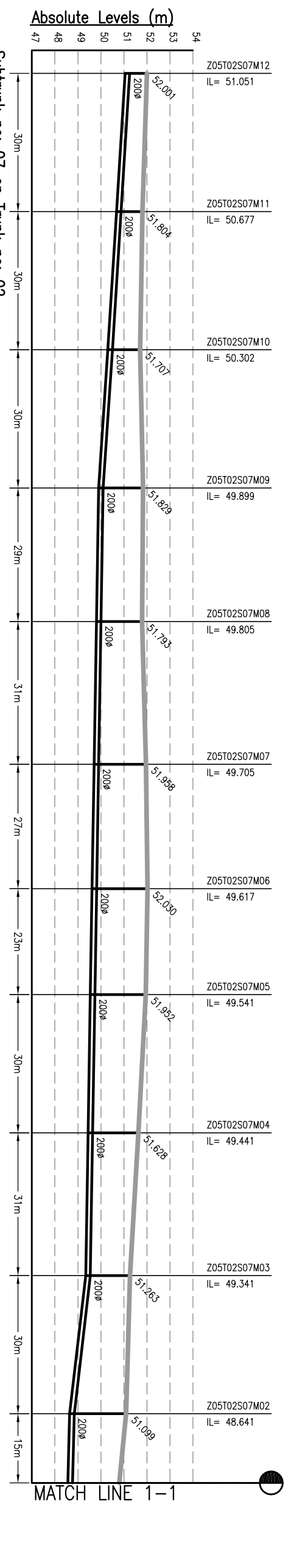
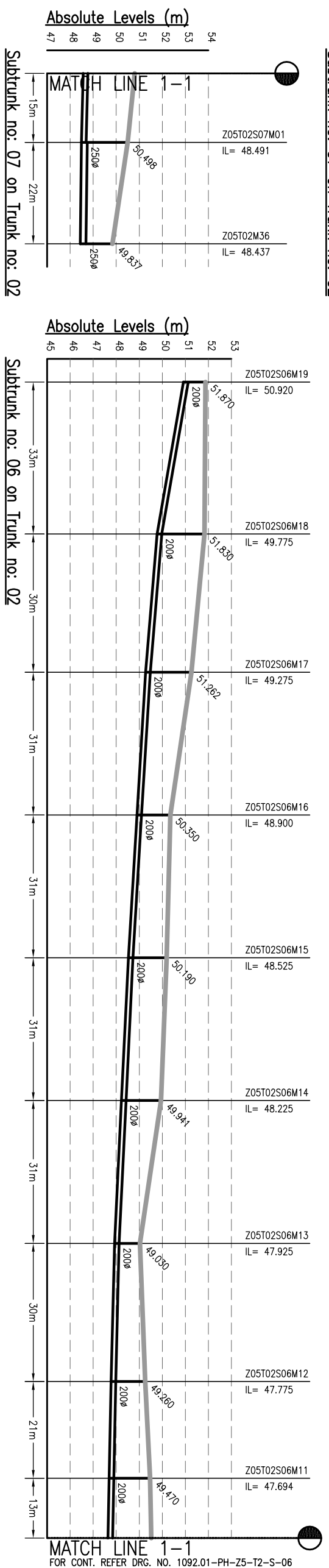
**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF SUB-TRUNK  
ZONE-5, TRUNK-2 (SPS-B)  
(PART - 4 OF 9)

DESIGNED	BY	DATE OF FIRST ISSUE
SKS	JR	MAY 2013

CHECKED	BY	DATE OF FIRST ISSUE
RP	JR	MAY 2013

APPROVED	DISCIPLINE	DRAWING NO.	REVISION
PH	CRR	Z5-12-S-04	00

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



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

REV	DATE	NAME	DESCRIPTION	CHKD
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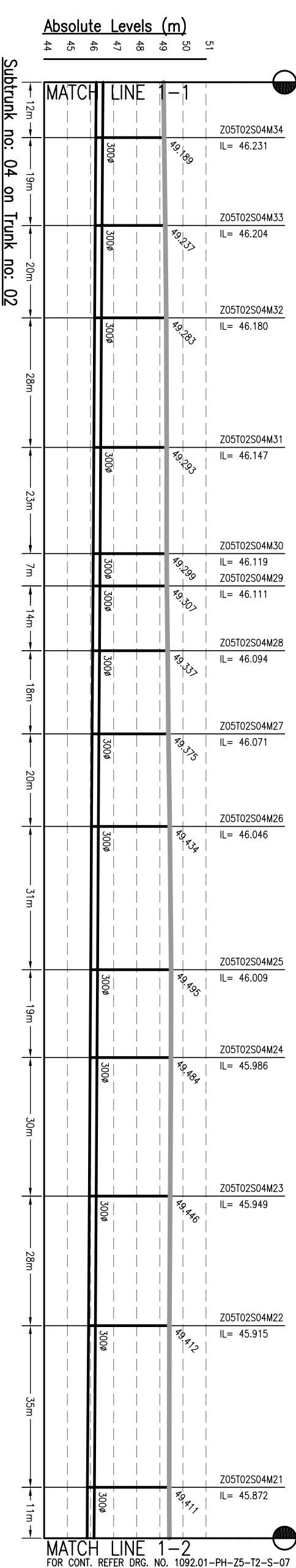
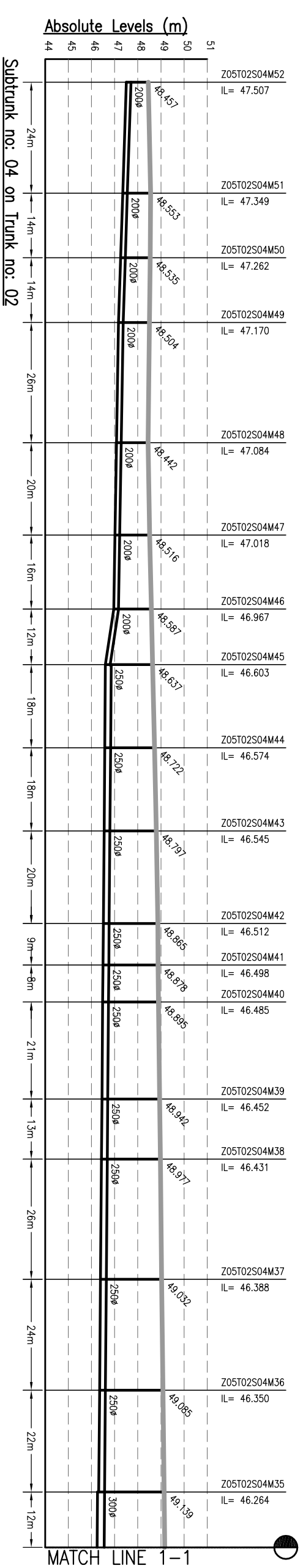
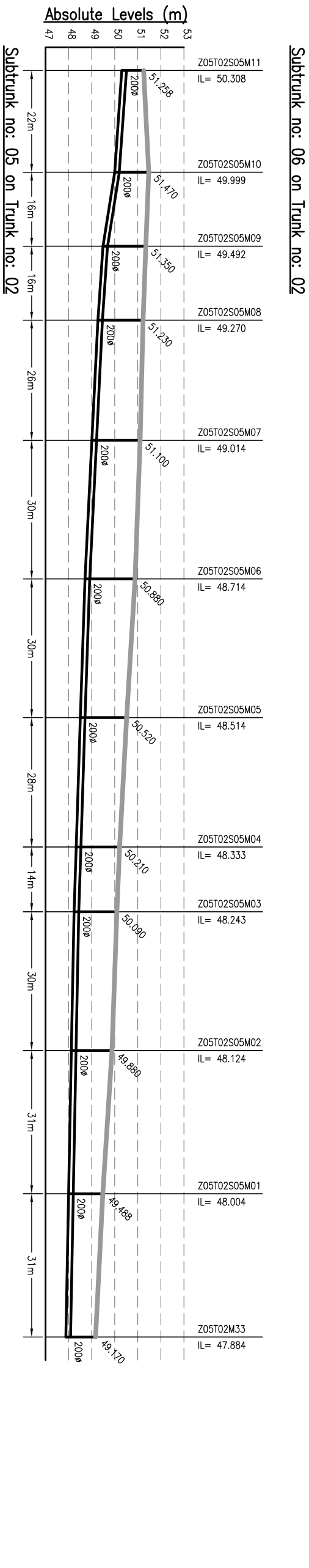
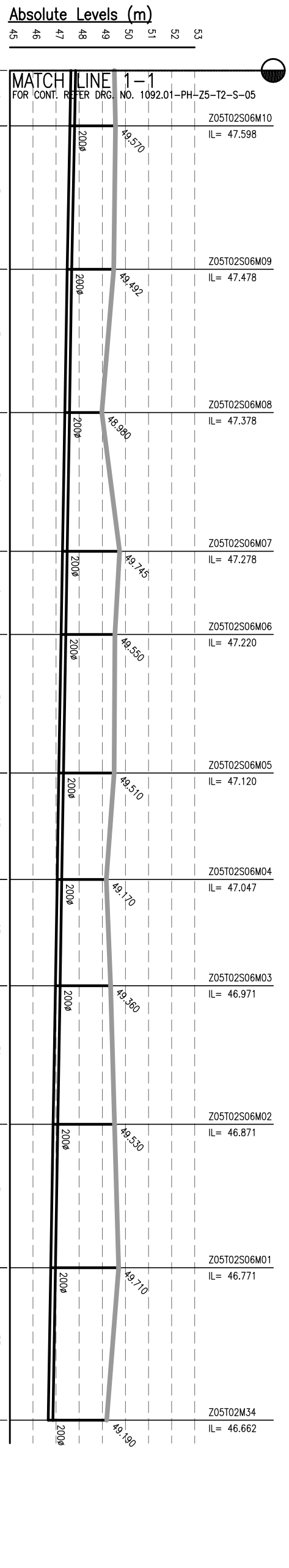
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**DRAWING TITLE**  
 SEWERAGE L-SECTION OF SUB-TRUNK ZONE-5, TRUNK-2 (SPS-B) (PART - 5 OF 9)

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

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T2-S-05	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 DPR SUBMISSION	RP

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 Website: http://www.meinhardt.com

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 DEVELOPMENT CORPORATION

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 DOCUMENTS;  
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 CONSTRUCTION SUPERVISION &  
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 DRAINAGE PROJECTS OF PATNA  
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CONSULTANT:-

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

**SEWERAGE  
 L-SECTION OF SUB-TRUNK  
 ZONE-5, TRUNK-2 (SPS-B)  
 (Part - 6 of 9)**

SCALE: H-1000, V-200

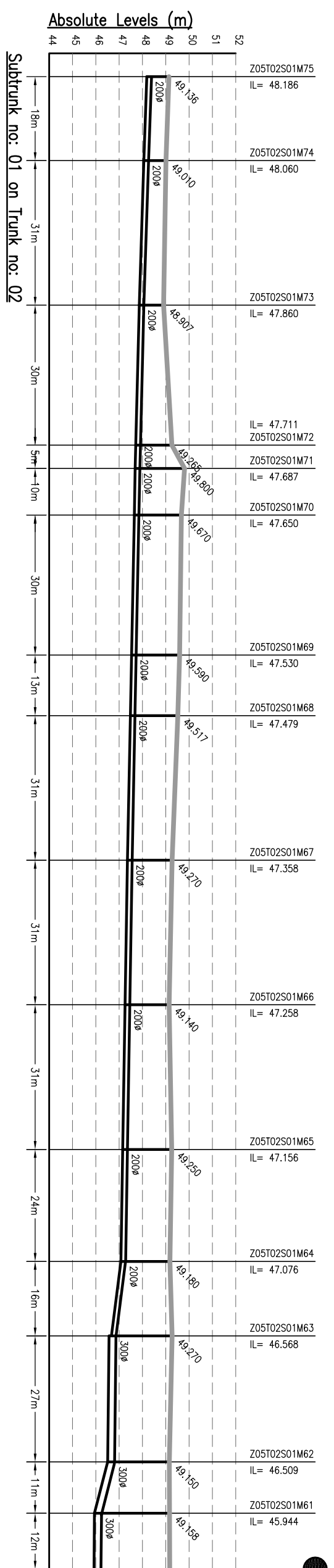
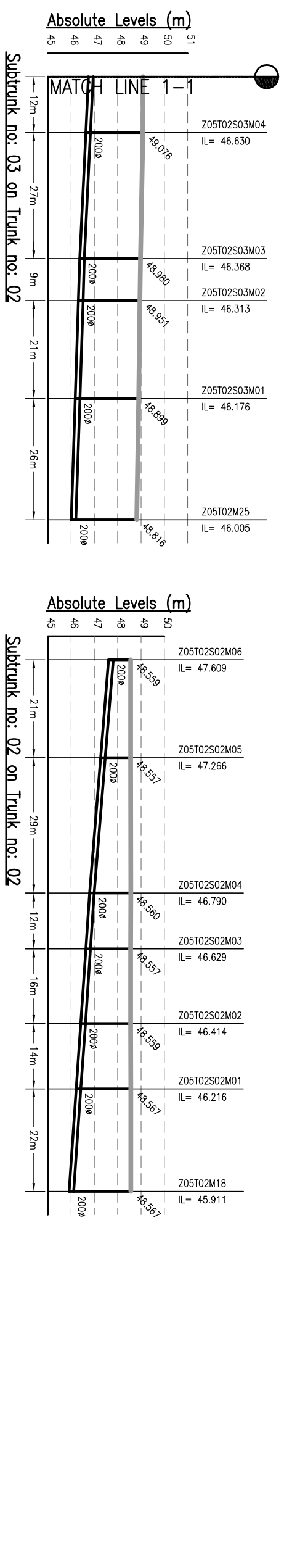
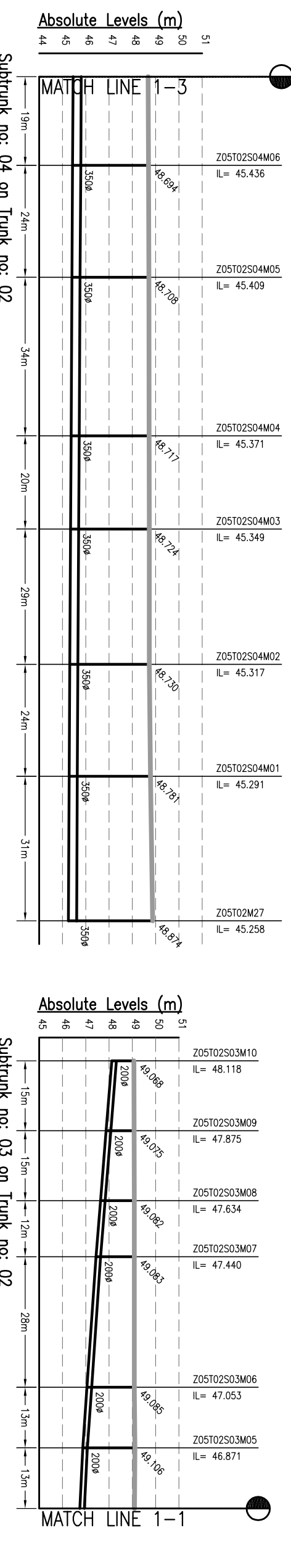
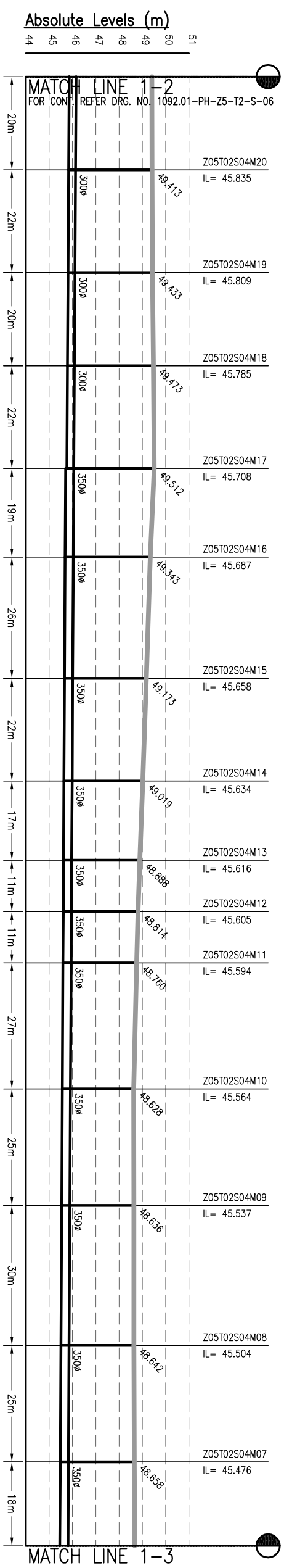
PURPOSE OF ISSUE: DRAFT DETAIL PROJECT REPORT

DESIGNED BY	DATE OF FIRST ISSUE
JR	MAY 2013

CHECKED BY	DATE OF FIRST ISSUE
RP	MAY 2013

APPROVED BY	DATE OF FIRST ISSUE
CRR	MAY 2013

JOB NO. 1092.01 PH 1  
 DRAWING NO. Z5-T2-S-06  
 REVISION NO. 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 DPR SUBMISSION	RP

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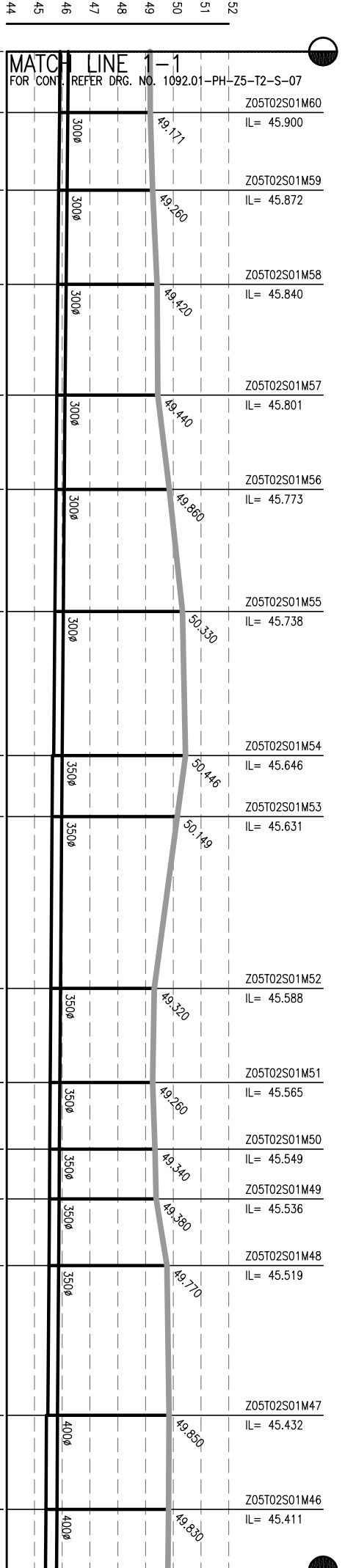
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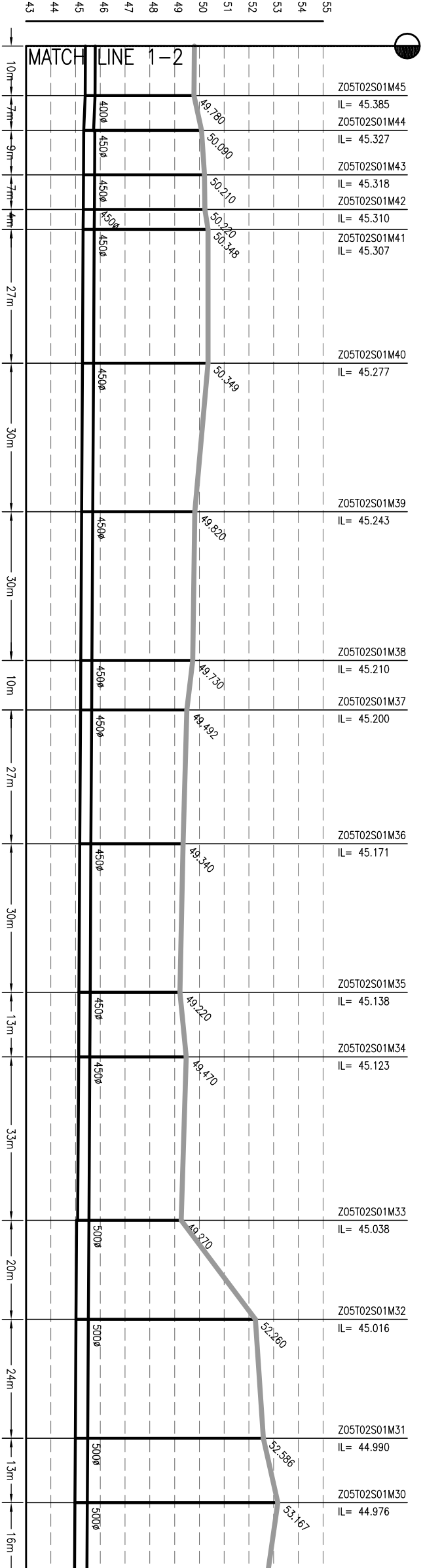
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PH	01	Z5-12-S-07	00

**Absolute Levels (m)**



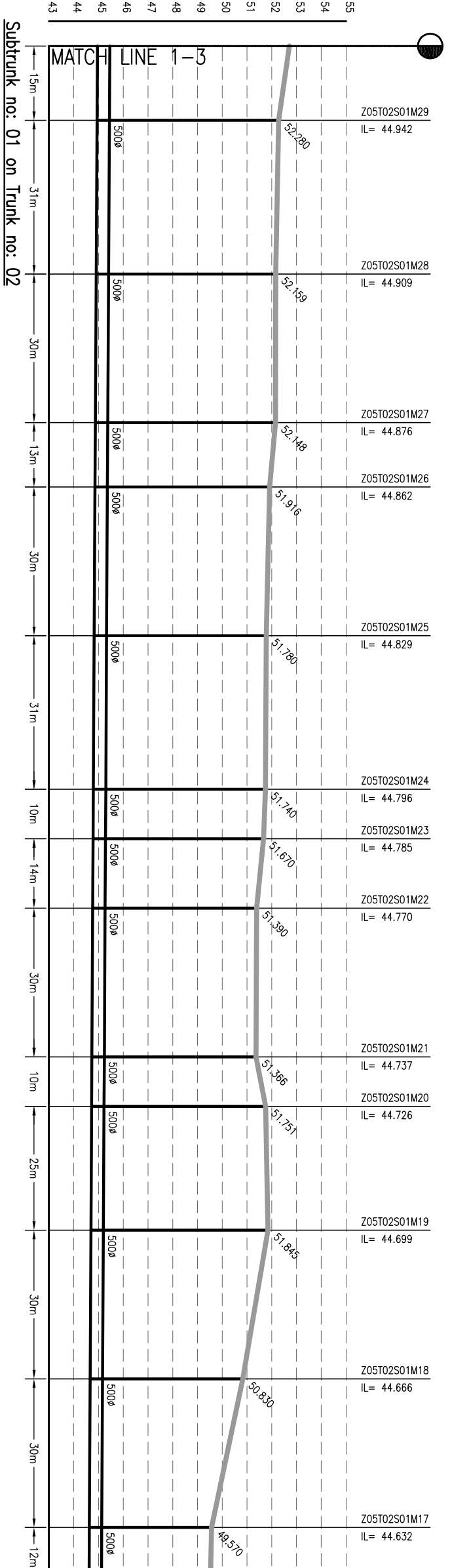
**MATCH LINE 1-2**

**Absolute Levels (m)**



**MATCH LINE 1-3**

**Absolute Levels (m)**



**MATCH LINE 1-4**

FOR CONT. REFER DRG. NO. 1092.01-PH-Z5-T2-S-09

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

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

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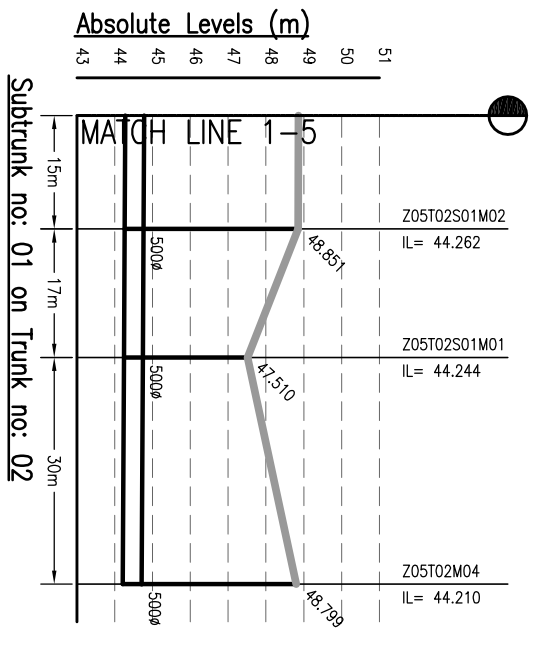
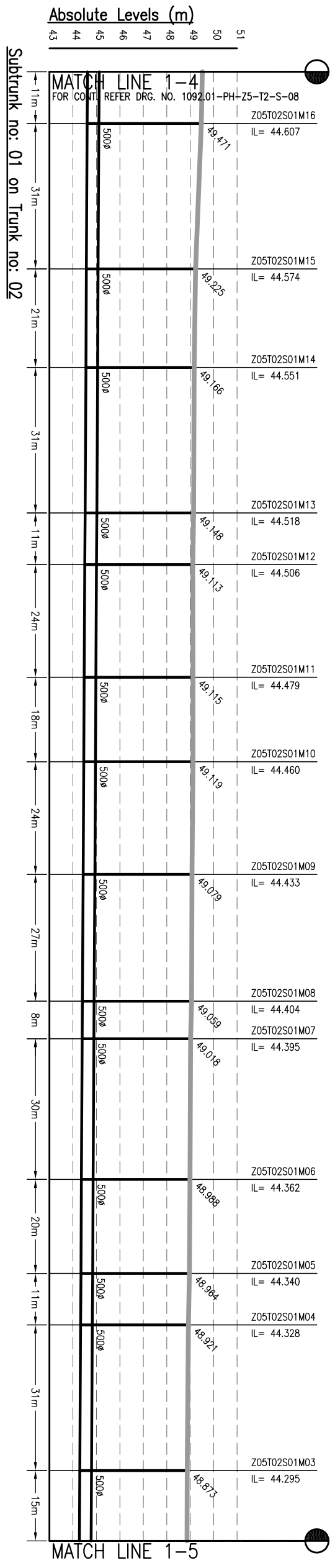
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URBAN INFRASTRUCTURE  
DEVELOPMENT CORPORATION

**PROJECT:-**  
PREPARATION OF DETAILED  
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QUALITY CONTROL OF SEWERAGE &  
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**CONSULTANT:-**  
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**DRAWING TITLE**  
SEWERAGE  
L-SECTION OF SUB-TRUNK  
ZONE-5, TRUNK-2 (SPS-B)

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-T2-S-08	00



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

REV	DATE	NAME	DESCRIPTION	CHKD
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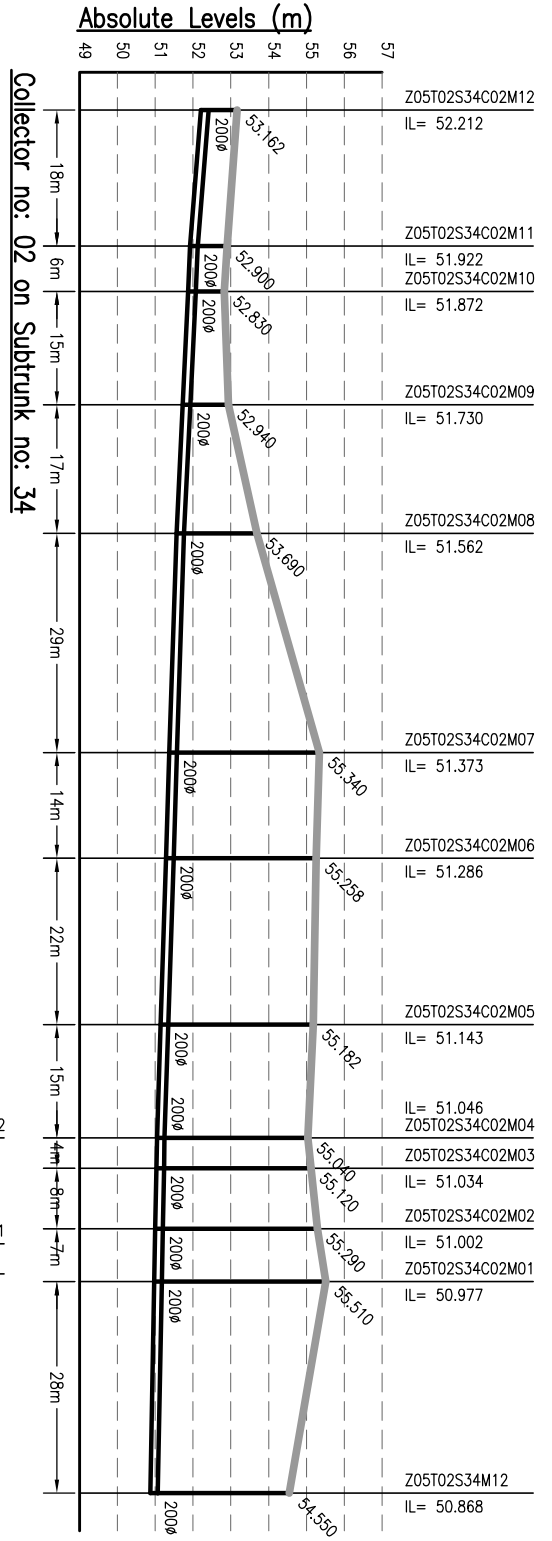
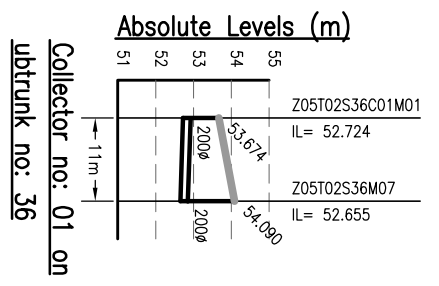
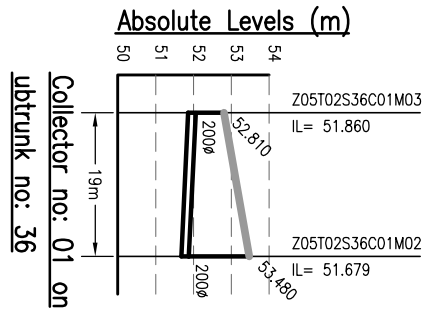
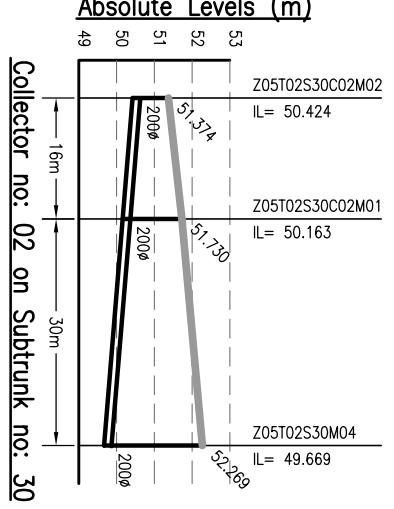
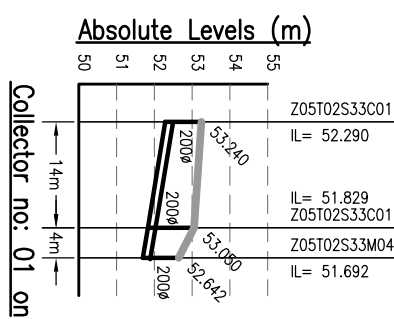
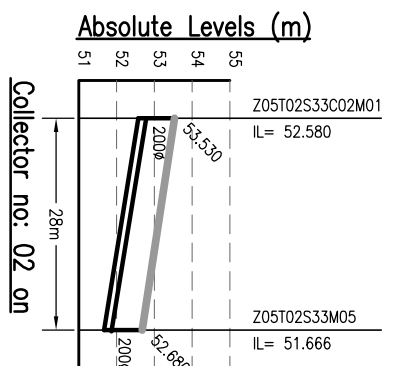
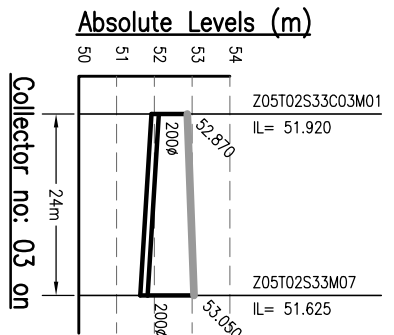
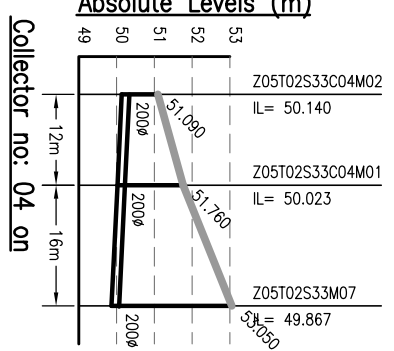
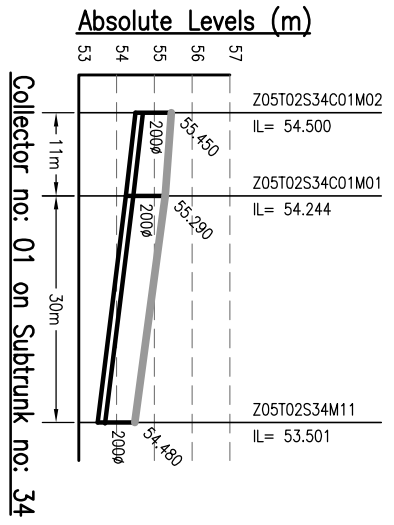
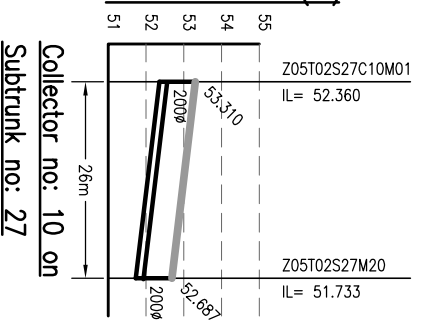
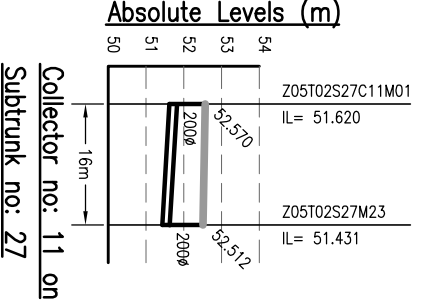
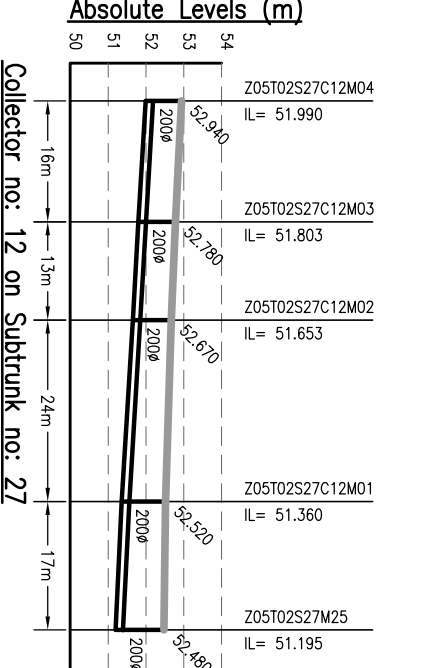
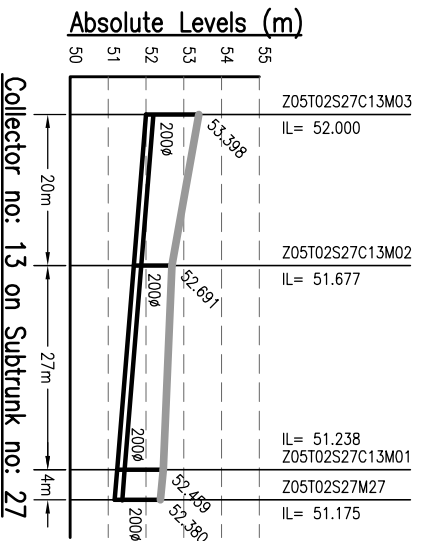
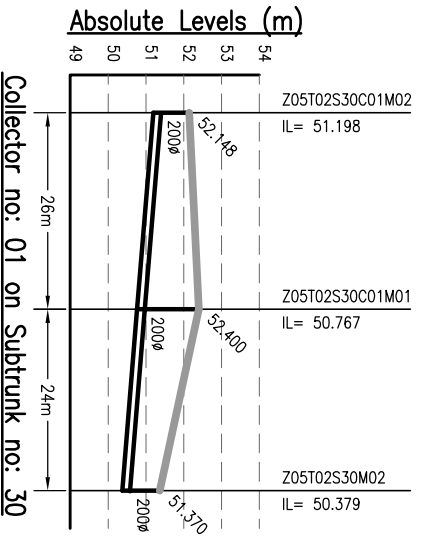
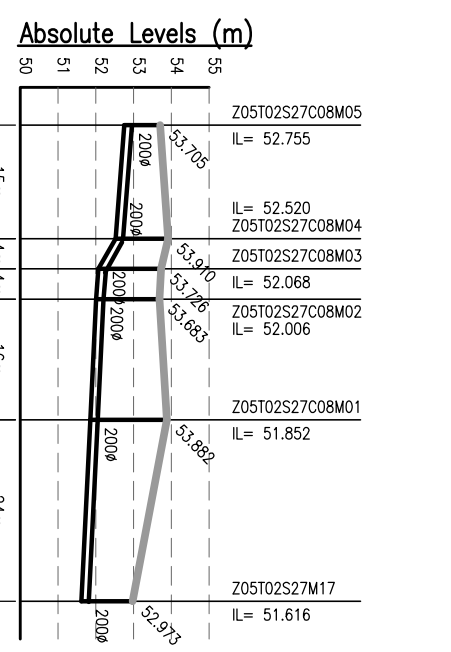
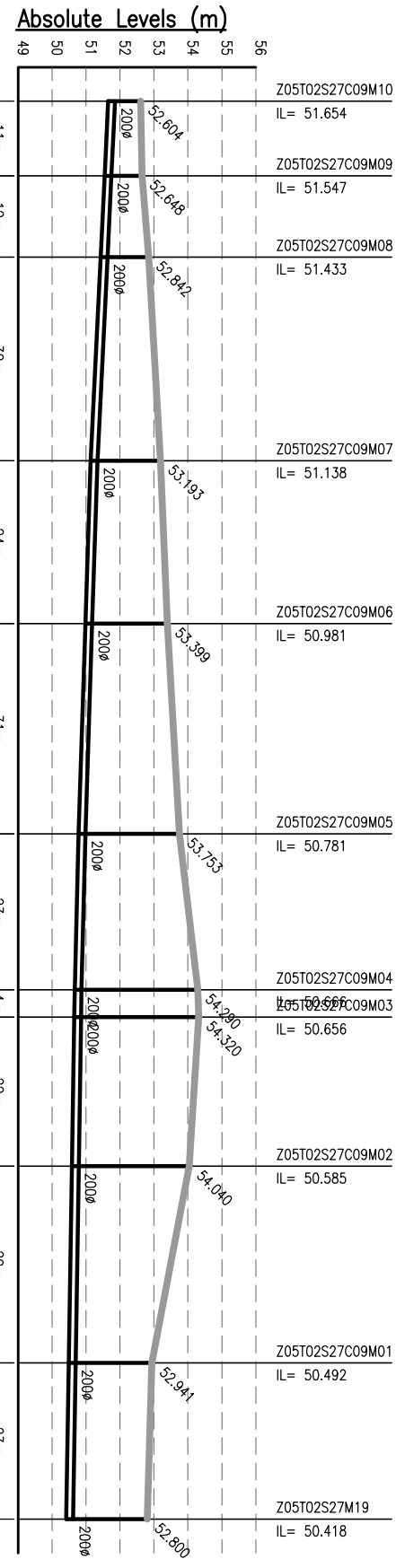


**CLIENT:-**  
 BIHAR  
 URBAN INFRASTRUCTURE  
 DEVELOPMENT CORPORATION  
 303, Malabar Tower,  
 10th Floor,  
 Plot No. 10, Sector-16, Noida-201301,  
 India.  
 Phone: +91 202 2516165, Fax: +91 202 2516165  
 Website: [www.buidc.co.in](http://www.buidc.co.in)

**CONSULTANT:-**  
**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 Ph.: +91 202 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF SUB-TRUNK**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (Part - 9 of 9)

DISCIPLINE	DRAWING NO.	REVISION
PH	Z5-12-S-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

**AMENDMENTS**

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**BIHAR**  
 URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION

303, Mahatma Tower,  
 Plot No. 10/101,  
 Phase - II, Sector - 16,  
 Patna - 800 010, Bihar, India  
 Website: [www.bidc.org](http://www.bidc.org)  
 Project: [www.bidc.org](http://www.bidc.org)

**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.  
 A-8, Sector-16, Noida-201301, India  
 P.O.: +91 120 2516165, Fax No.: +91 120 2515745  
 www.meinhardtgroup.com, Email: [info@meinhardtindia.com](mailto:info@meinhardtindia.com)

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

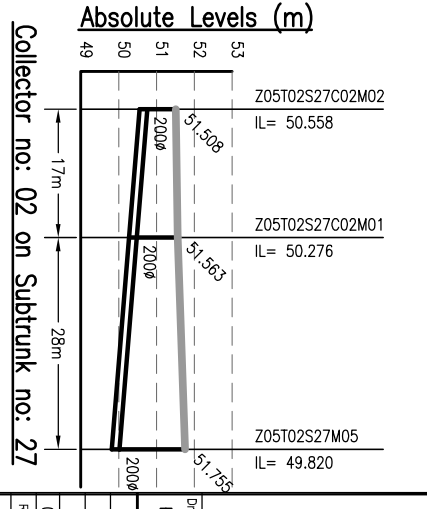
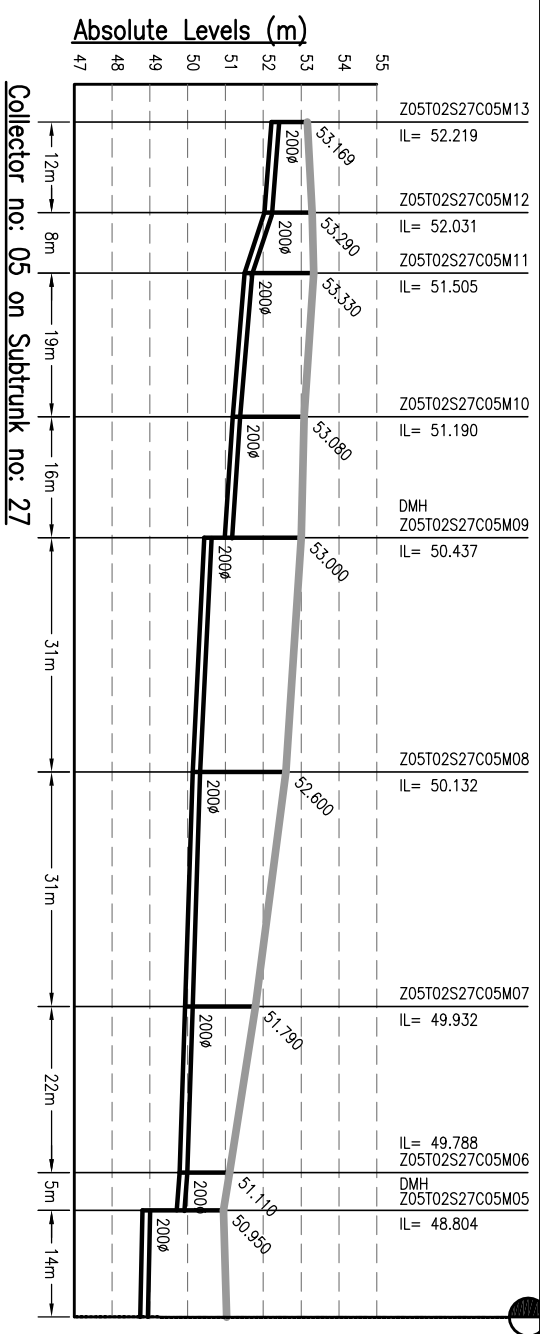
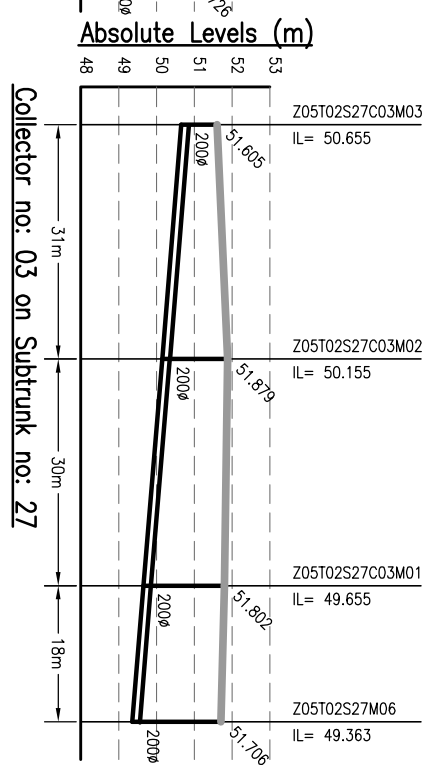
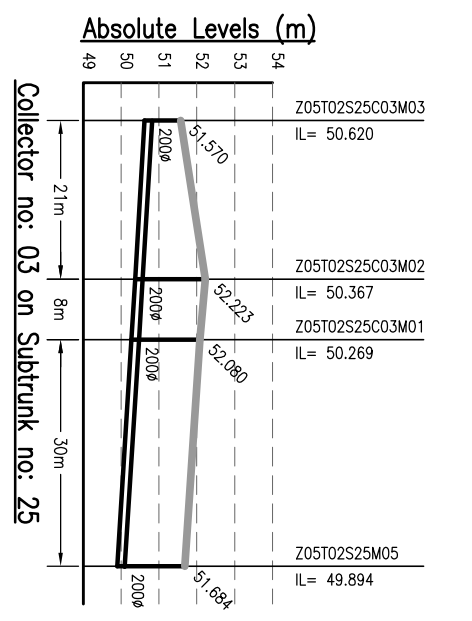
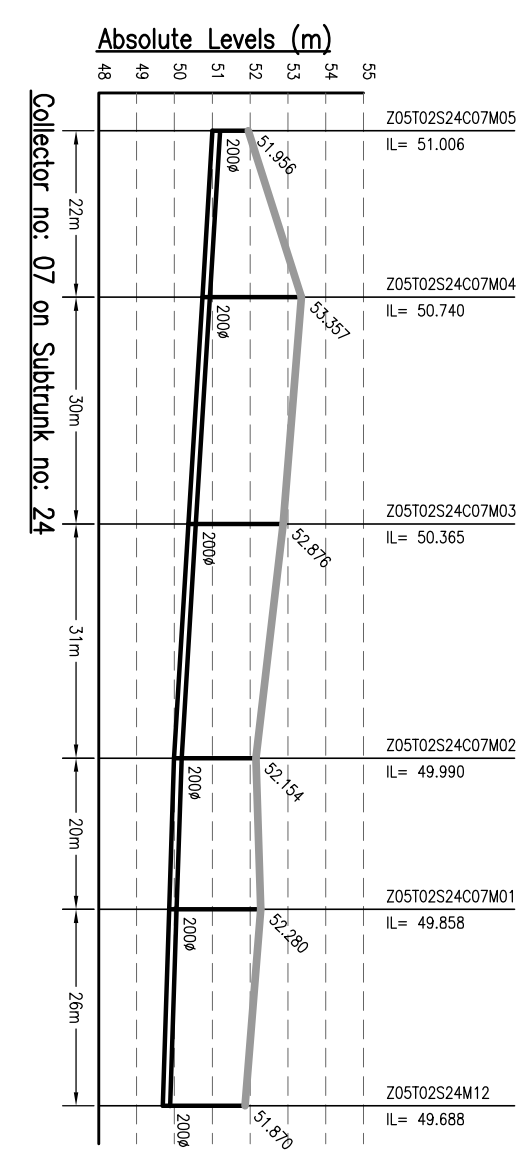
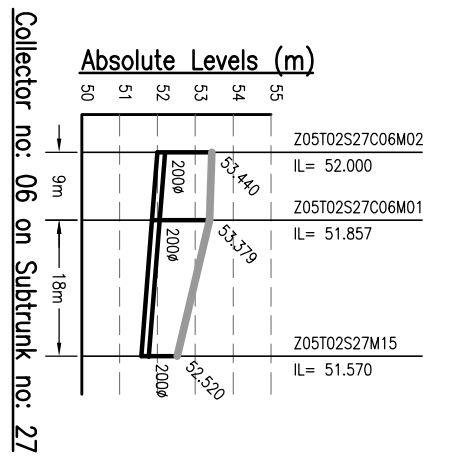
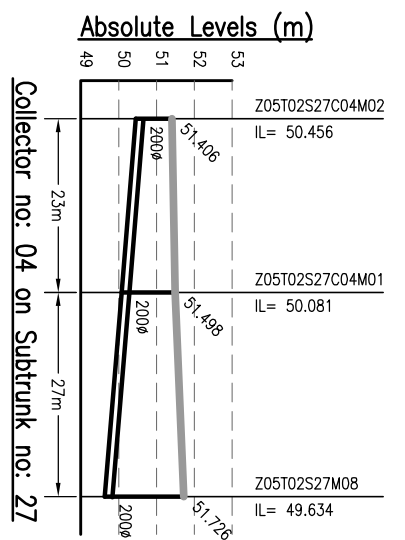
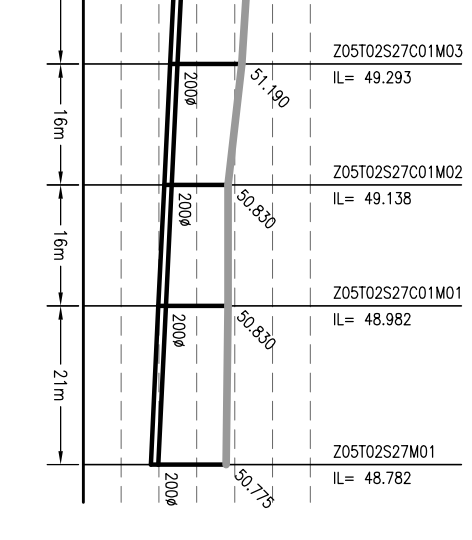
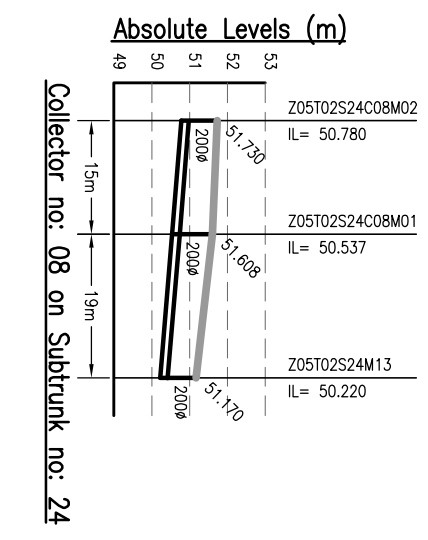
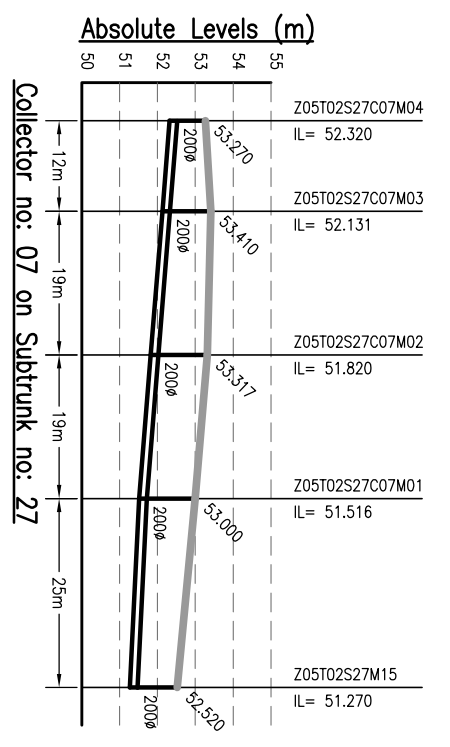
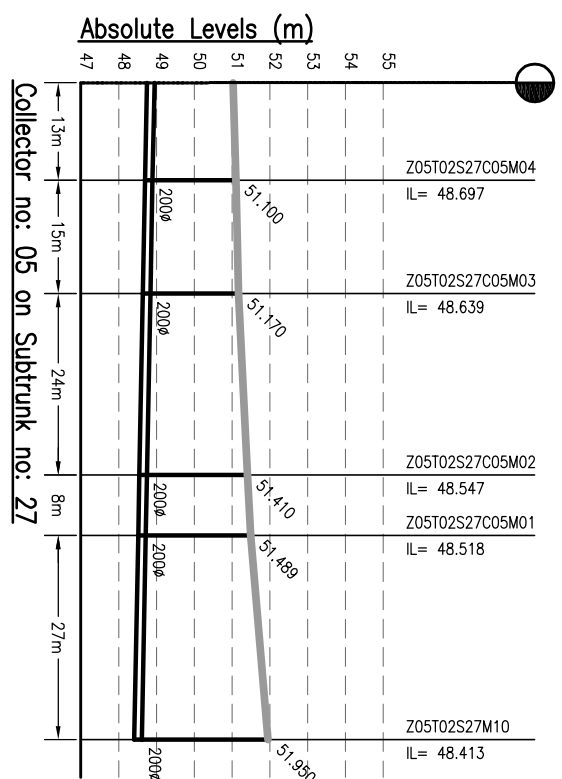
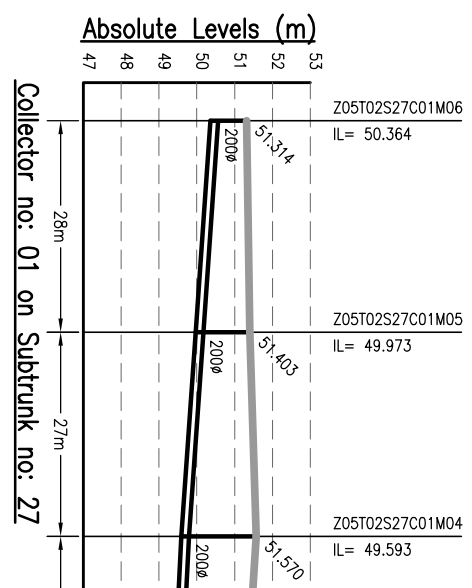
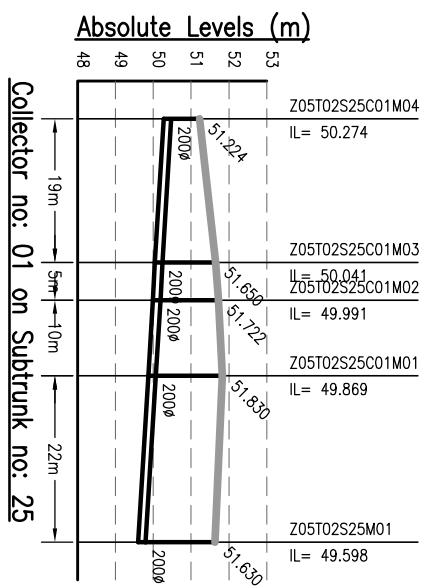
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**PROJECT:** PREPARATION OF DETAILED PROJECT REPORTS (DPRS) & BID DOCUMENTS

NO.	DATE	BY	DATE OF FIRST ISSUE
1	MAY 2013	AH	MAY 2013
2	MAY 2013	JR	MAY 2013
3	MAY 2013	RP	MAY 2013

JOB NO.	DISCIPLINE	DRAWING NO.	REVISION
1092.01	PH	Z5-12-C-01	00





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**AMENDMENTS**

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

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

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**CONSULTANT:-**

**MEINHARDT**  
 MEINHARDT (SINGAPORE) PTE. LTD.  
 A-8, Sector-16, Noida-201301, India  
 P.O.:- 491 20 2516165, Fax No.:- +91 120 2515745  
 www.meinhardtgroup.com, Email:-info@meinhardtindia.com

**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**

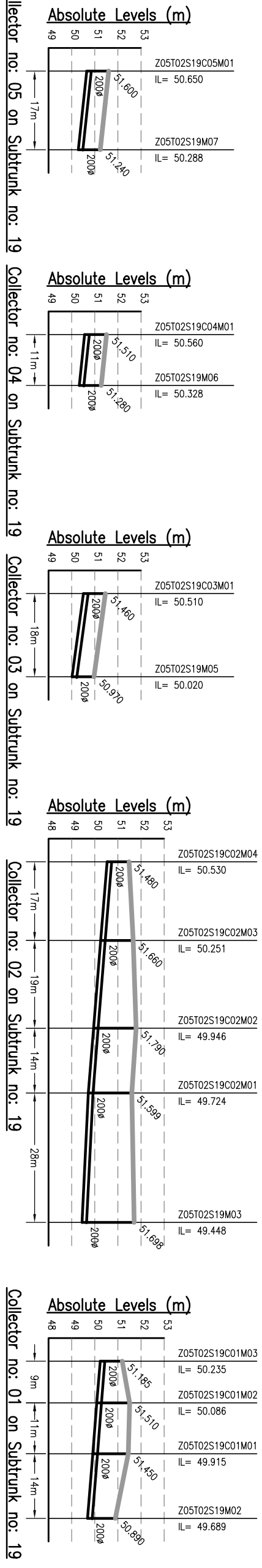
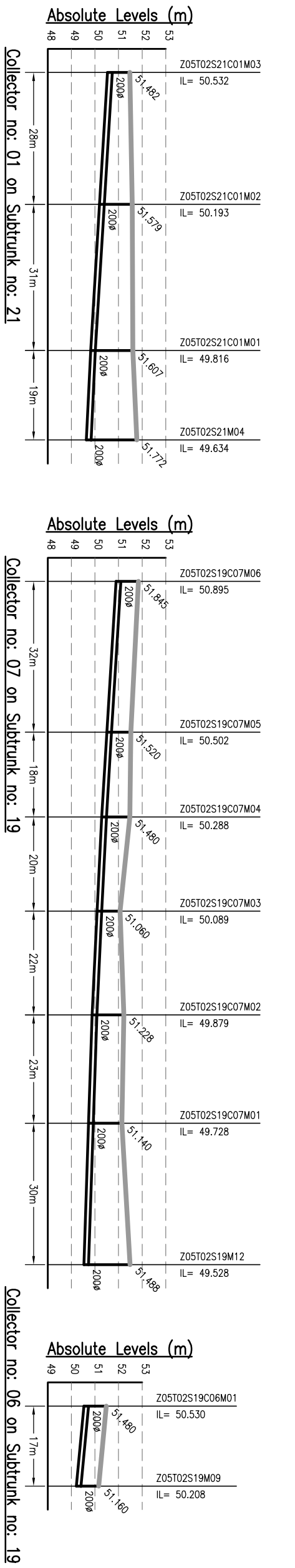
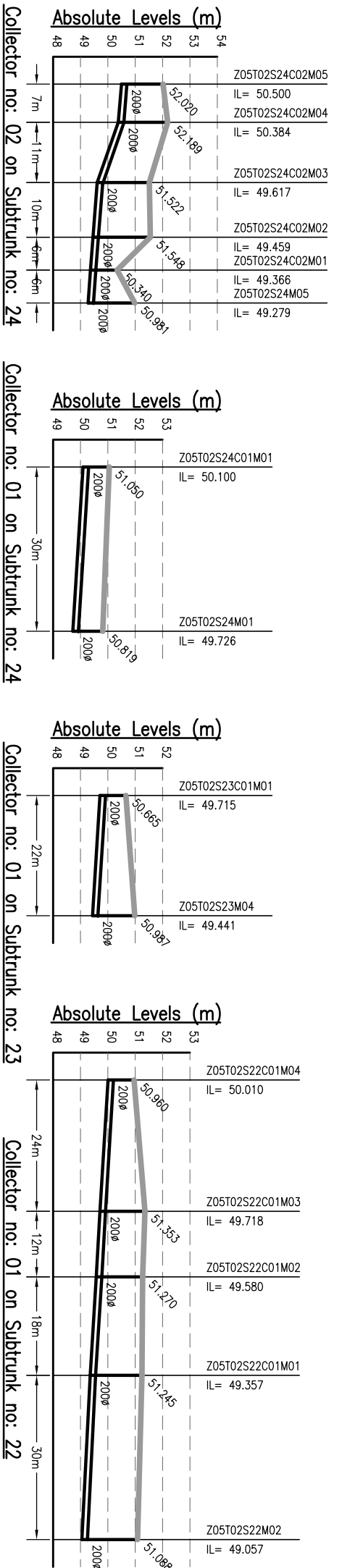
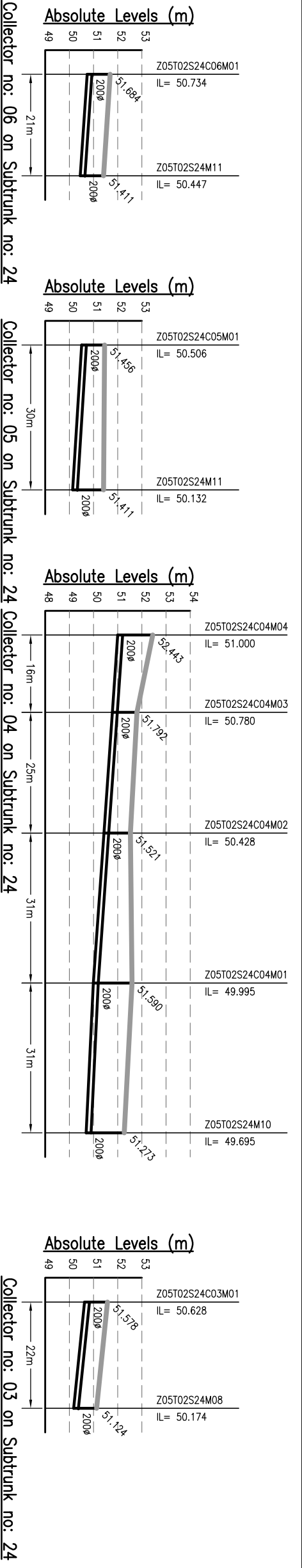
**PROJECT:-**  
 PREPARATION OF DETAILED PROJECT REPORTS (DPRs) & BID DOCUMENTS;  
 TENDERING FOR EXECUTION;  
 CONSTRUCTION SUPERVISION & QUALITY CONTROL OF SEWERAGE & DRAINAGE PROJECTS OF PATNA UNDER JNNURM

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

**PURPOSE OF ISSUE**  
 DRAFT RETAINED PROJECT REPORT

**DRAWN** 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.** Z5-12-C-02 **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

**AMENDMENTS**


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**BIHAR URBAN INFRASTRUCTURE DEVELOPMENT CORPORATION**  
 303, Mahatma Tower, Sector-10, Gurgaon, Haryana  
 Phone: +91 122 2516165, Fax: +91 122 2515745  
 Website: [www.buidc.co.in](http://www.buidc.co.in)

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

**CONSULTANT:-**

  
**MEINHARDT**  
 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](mailto:info@meinhardtindia.com)

**DRAWING TITLE**  
 SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-2 (SPS-B) (PART - 3 OF 13)

**PROPOSED DATE OF ISSUE**  
 DRAFT DETAIL PROJECT REPORT

**DESIGNED BY**  
 AH

**CHECKED BY**  
 RP

**APPROVED BY**  
 CRR

**JOB NO.**  
 1092.01

**DISCIPLINE**  
 PH

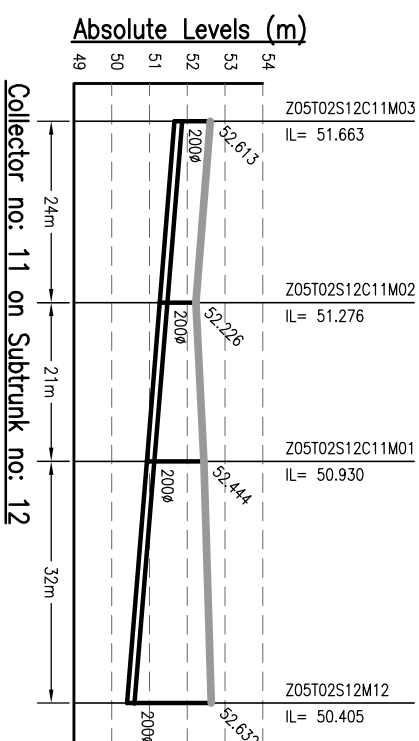
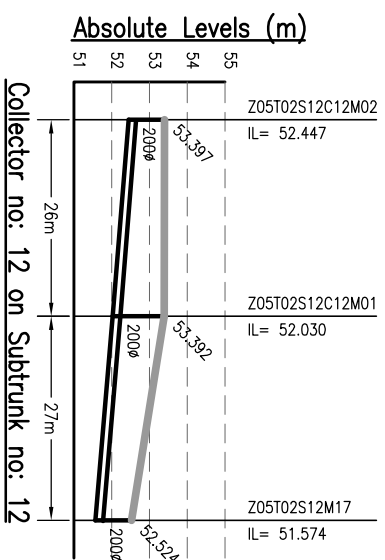
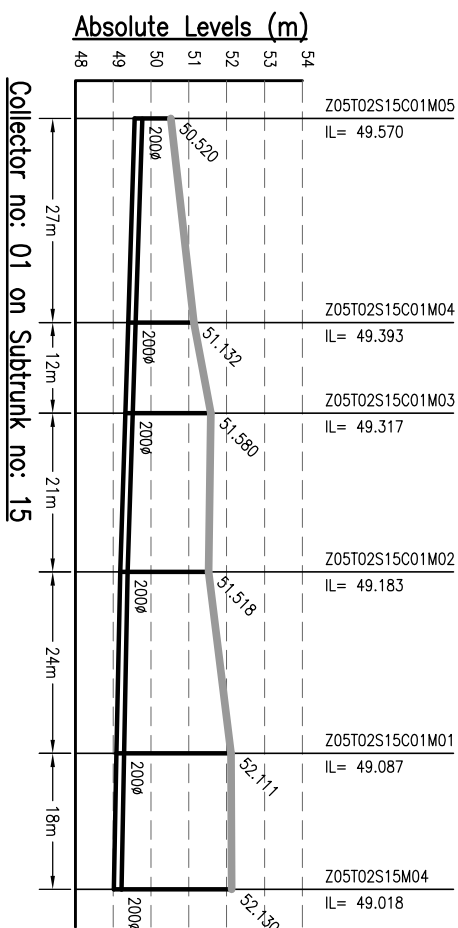
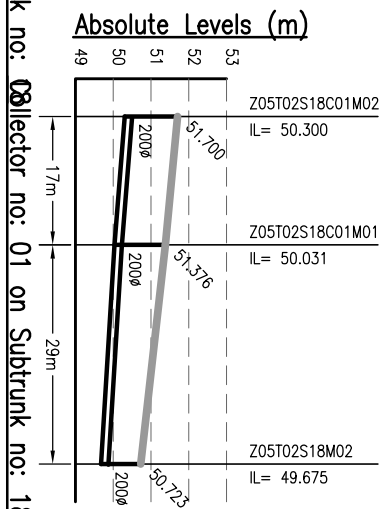
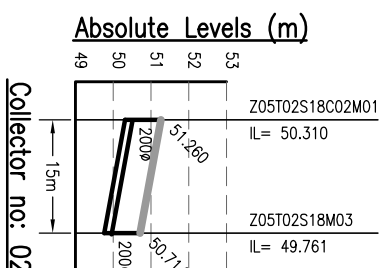
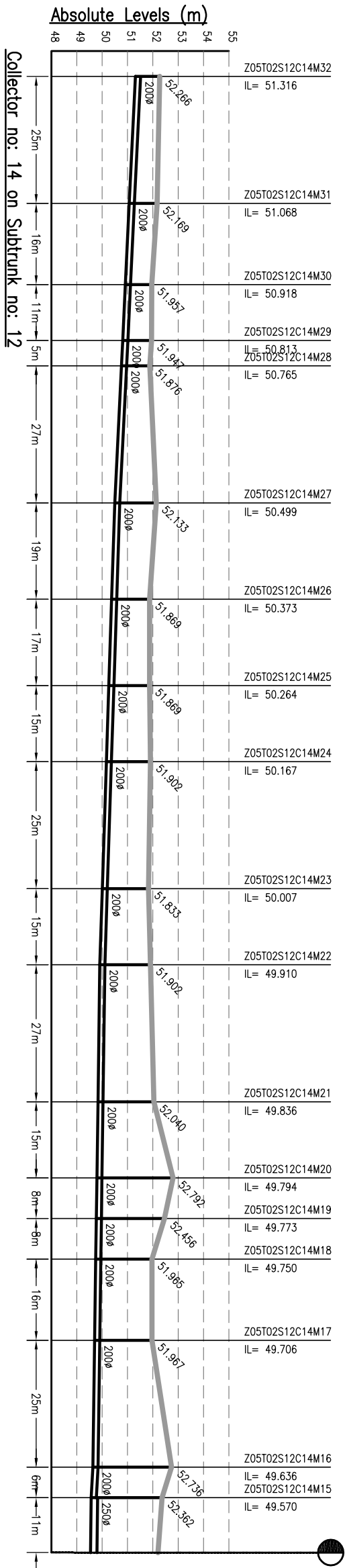
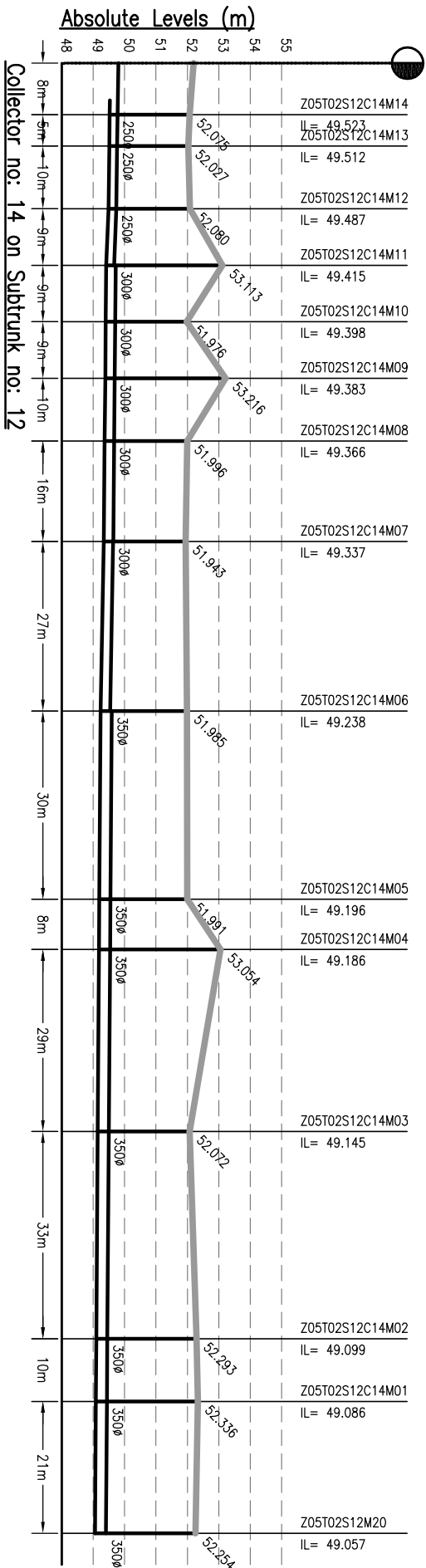
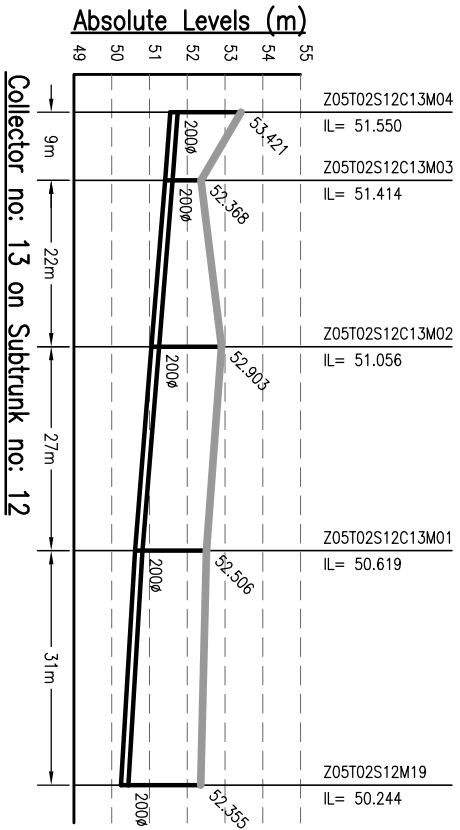
**DRAWING NO.**  
 Z5-12-C-03

**REVISION**  
 00

**DATE OF FIRST ISSUE**  
 MAY 2013

**SHEET SIZE**  
 A3

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



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

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

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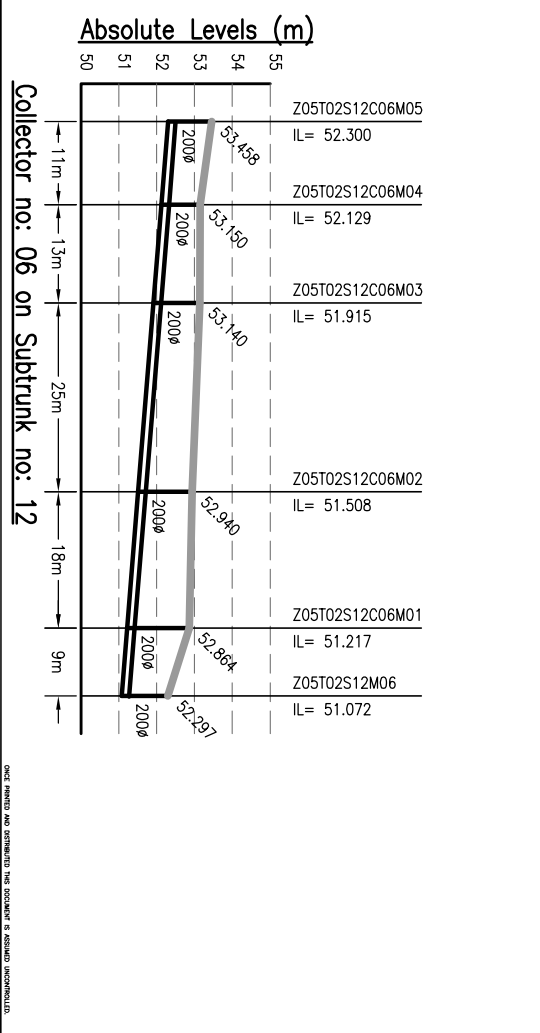
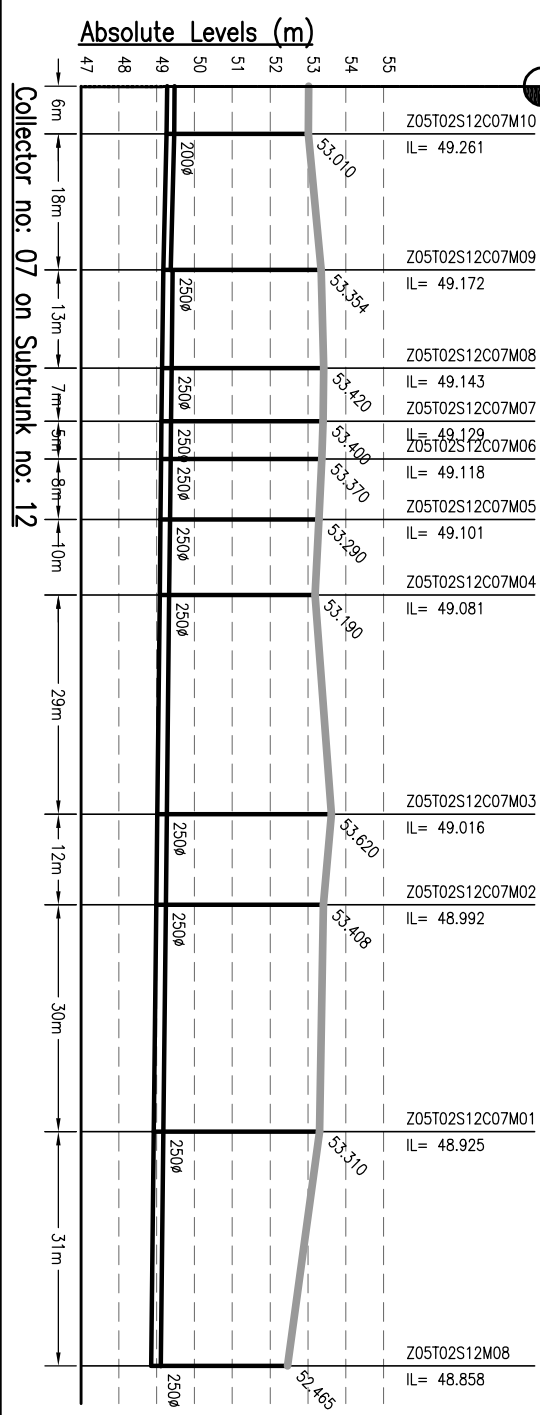
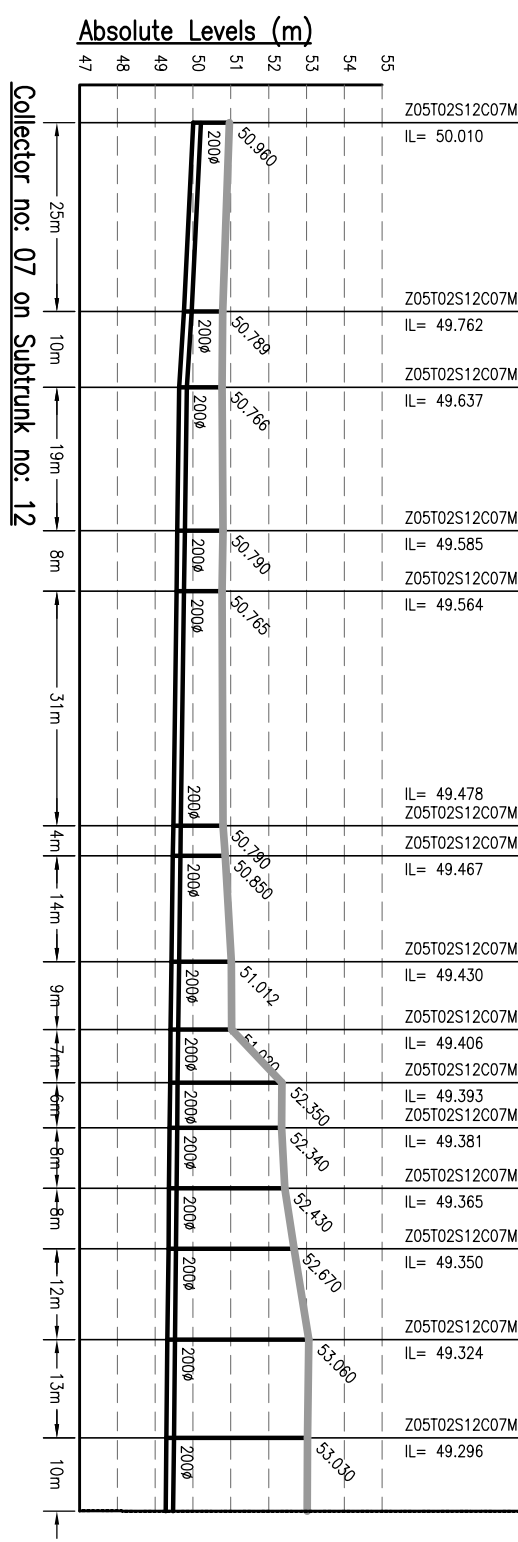
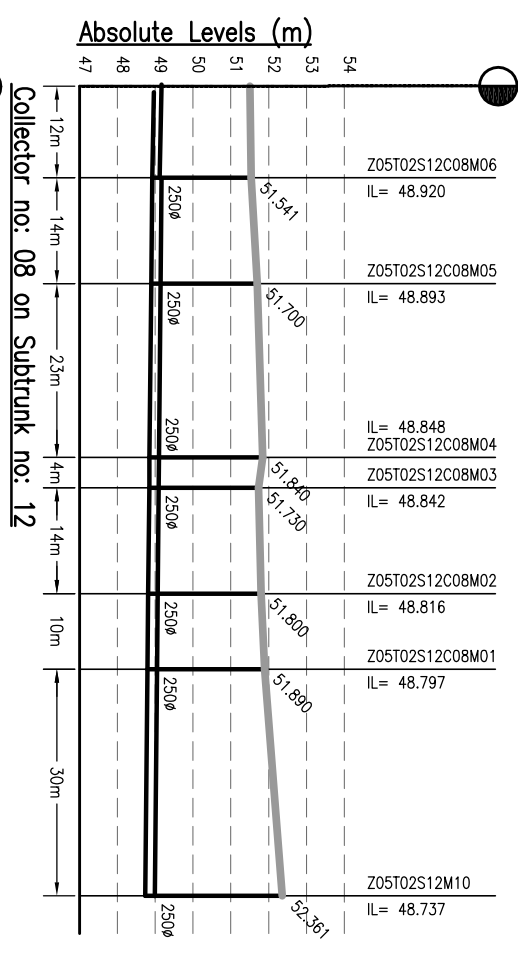
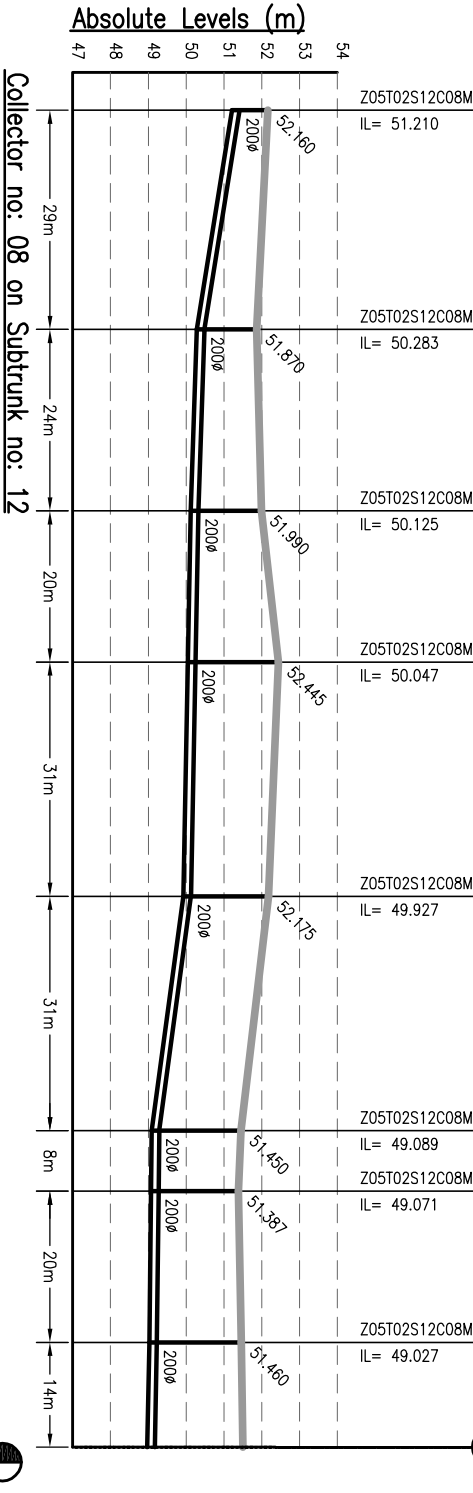
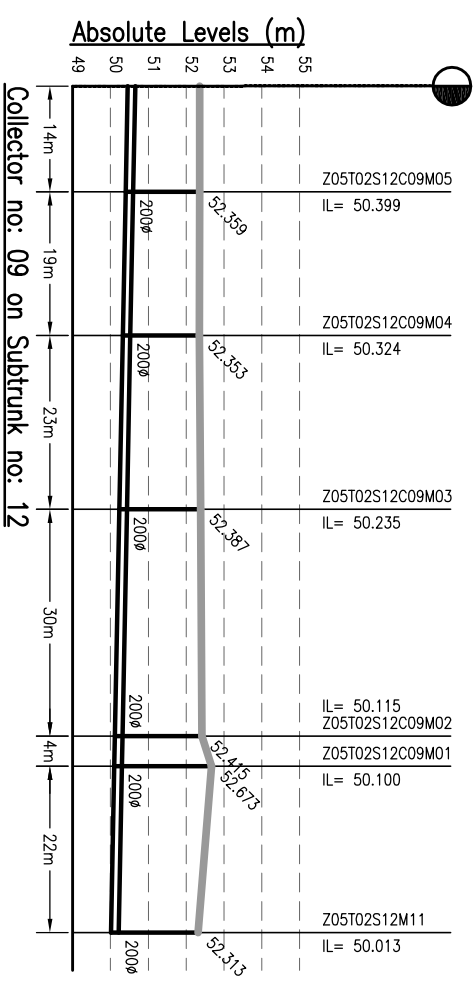
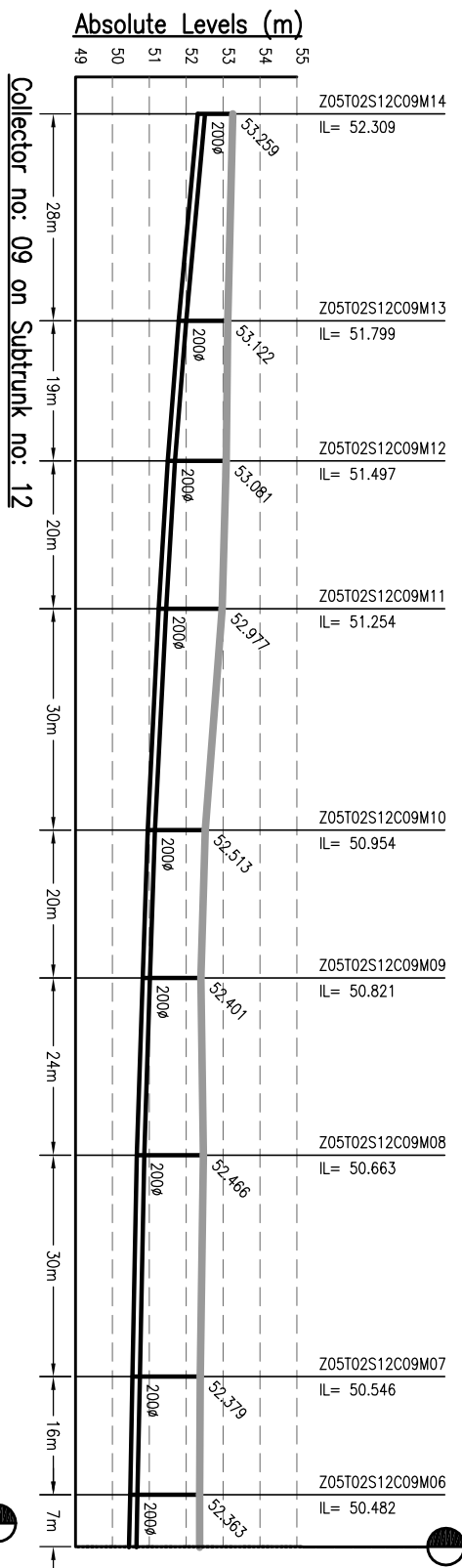
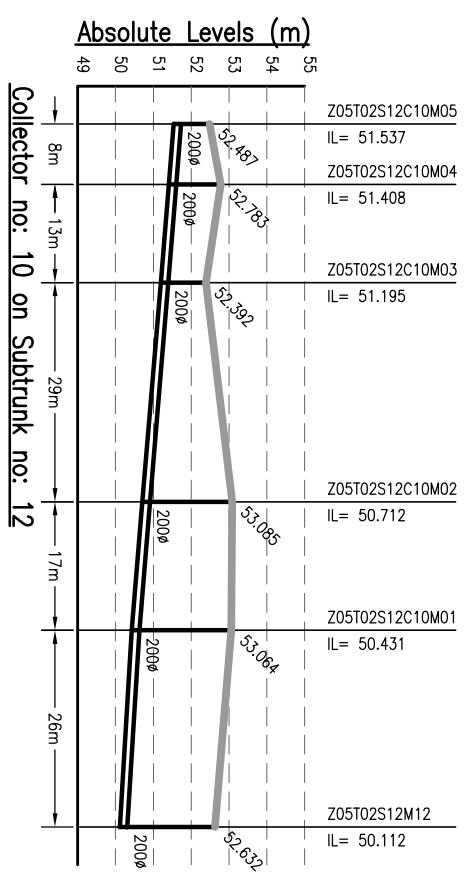
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 BIHAR  
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 DEVELOPMENT CORPORATION

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

**DRAWING TITLE**  
**SEWERAGE**  
**L-SECTION OF COLLECTOR**  
**ZONE-5, TRUNK-2 (SPS-B)**  
 (PART - 4 OF 13)

DISCIPLINE	NO.	REVISION
PH	Z5-12-C-04	00



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Client: BILHAR 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 JNNURM

Client: MEINHARDT

Project: SEWERAGE L-SECTION OF COLLECTOR ZONE-5, TRUNK-2 (SPS-B) (PART - 5 OF 13)

Scale: H-1000, V-200

Sheet Size: A3

Revision Table:

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

**MEINHARDT**

CONSULTANT:-

MEINHARDT (SINGAPORE) PTE. LTD.

A-8, Sector-16, Noida-201301, India

P.O.:- 491 2016165, Fax No.:- +91 120 2515745

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

DESIGNED BY: AH

CHECKED BY: JR

APPROVED BY: RP

DATE OF FIRST ISSUE: MAY 2013

DATE OF THIS ISSUE: MAY 2013

JOB NO. 1092.01

DISCIPLINE PH

DRAWING NO. Z5-12-C-05

REVISION 00