HILLWIG - GOODROW, LLC

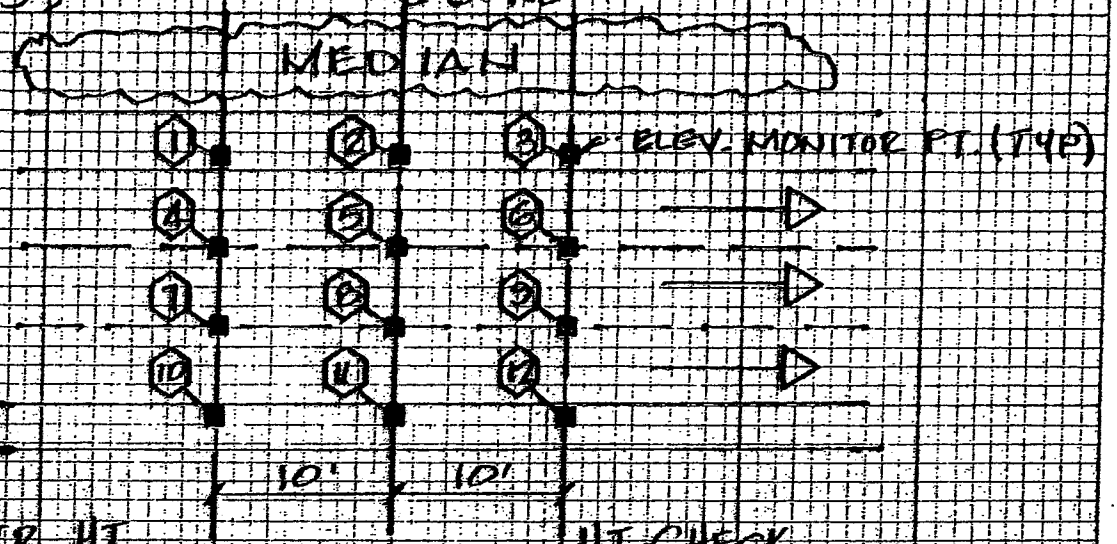
Land Surveying · GPS Surveys · Aerial Mapping

Client: ELCO Project: 10th STREET MO No: 042-12 Page 2 of 2

Prepared By: HILLWIG - GOODROW Date: 1-20-05

Description: HWY 215 - WEST SIDE - SOUTH BOUND LANES

RJB, JS



INSTR. HI CHECK 480

HI CHECK

⊼ @ STA 500 110 0.00

CL = 1107.42

BS CK #1 1107.57 ✓ #503 1109.875 ✓

	ORIG. ELEV.	ELEV CK.	CHANGE
1	1109.06	1109.055	-0.005
2	1108.94	1108.94	0.00
3	1108.85	1108.85	0.00
4	1108.885	1108.88	-0.005
5	1108.805	1108.80	-0.005
6	1108.715	1108.71	0.005
7	1108.74	1108.73	-0.01
8	1108.66	1108.655	-0.005
9	1108.53	1108.525	-0.005
10	1108.53	1108.525	-0.005
11	1108.425	1108.42	-0.005
12	1108.36	1108.36	0.00

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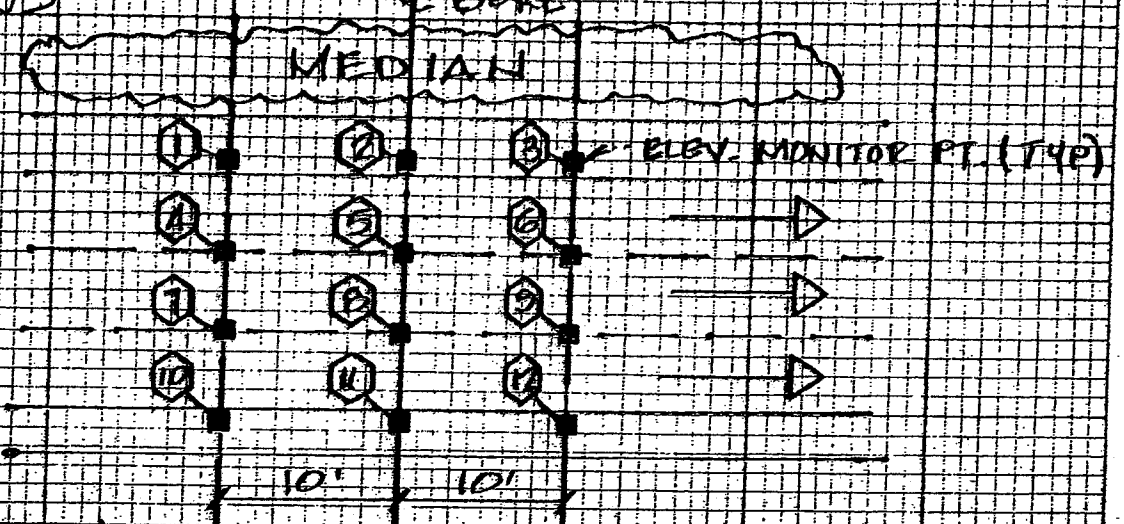
Client: ELCO Project: 10th STREET No. 042-12 Page 2 of 2

Prepared By: HILLWIG - GOODROW Date: 1-31-05

Description: HWY 215 - WEST SIDE - SOUTH BOUND LANES

RJG, JS



INSTR. HI 4.76 HI CHECK

CHECK

⊼ @ STA 500 HO 0.00

EL = 1107.42

BS CK #1 1107.57 ✓ #503 1109.875 ✓

FIN CK 1109.875

	ORIG. ELEV.	ELEV CK.	CHANGE
1	1109.06	1109.05	-0.01
2	1108.94	1108.94	0.00
3	1108.85	1108.845	-0.005
4	1108.885	1108.88	-0.005
5	1108.805	1108.795	-0.01
6	1108.715	1108.705	-0.01
7	1108.74	1108.73	-0.01
8	1108.66	1108.65	-0.01
9	1108.53	1108.52	-0.01
10	1108.53	1108.52	-0.01
11	1108.425	1108.415	-0.01
12	1108.36	1108.35	-0.01

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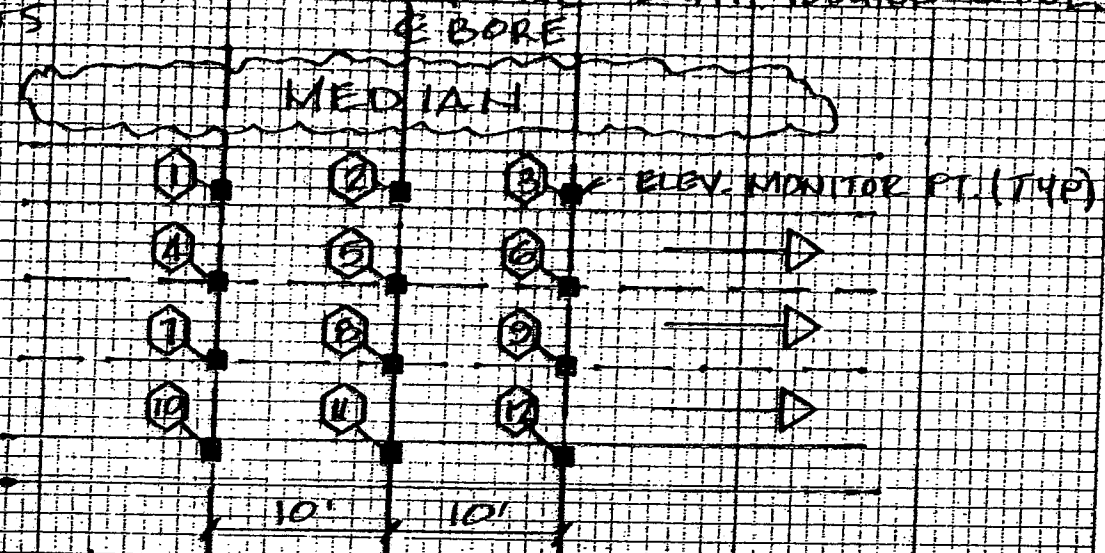
Client: ELCO Project: 10th STREET Ext. No. 042-12 Page 2 of 2

Prepared By: HILLWIG - GOODROW Date: 2-07-05

Description: HWY 215 - WEST SIDE - SOUTH BOUND LANES

RJG/JS



INSTR. HI 4.815 HI CHECK

CHECK

⊼ @ STA 500 110 0.00

EL = 1107.42

BS CK #1 1107.57 #503 1109.875 1109.87 ck

	ORIG. ELEV.	ELEV CK.	CHANGE
1	1109.06	1109.055	-0.005
2	1108.94	1108.94	0.00
3	1108.85	1108.855	+0.005
4	1108.885	1108.885	0.00
5	1108.805	1108.80	-0.005
6	1108.715	1108.71	-0.005
7	1108.74	1108.735	-0.005
8	1108.66	1108.655	-0.005
9	1108.53	1108.53	0.00
10	1108.53	1108.525	-0.005
11	1108.425	1108.425	0.00
12	1108.36	1108.36	0.00

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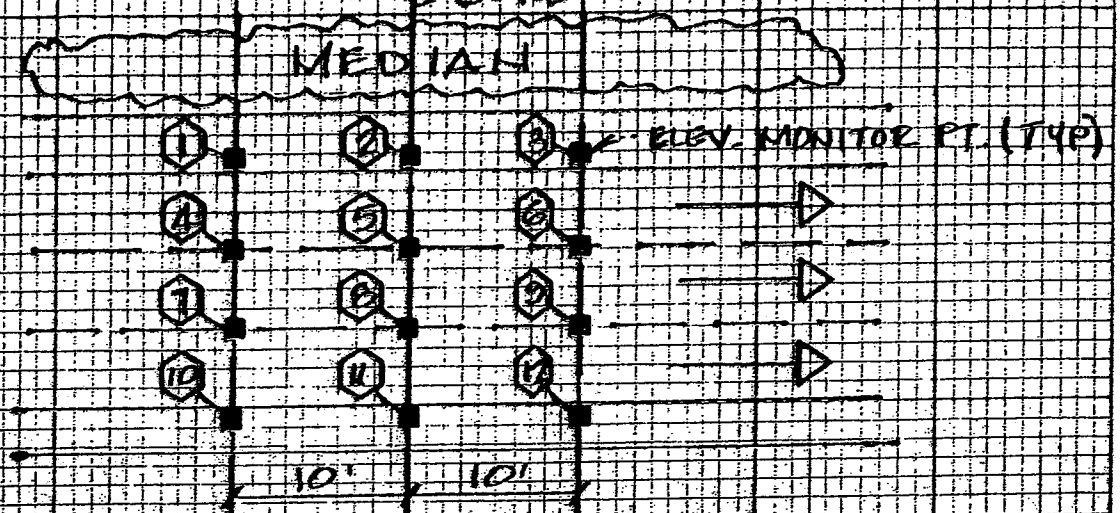
Client: ELCO Project: 10th STREET O No: 042-12 Page 2 of 2

Prepared By: HILLWIG - GOODROW Date: 2-14-05

Description: HWY 215 - WEST SIDE - SOUTH BOUND LANES ℄ BORE



INSTR. HI 4.83 HI CHECK

CHECK

⊼ @ STA 500 110 0.00

EL = 1107.42

BS CK #1 1107.57 #503 1109.875

	ORIG. ELEV.	ELEV CK.	CHANGE
1	1108.06	1109.06	0.00
2	1108.94	1108.94	0.00
3	1108.85	1108.855	+0.005
4	1108.885	1108.885	0.00
5	1108.805	1108.80	-0.005
6	1108.715	1108.71	-0.005
7	1108.74	1108.735	-0.005
8	1108.66	1108.655	-0.005
9	1108.53	1108.525	-0.005
10	1108.53	1108.525	-0.005
11	1108.425	1108.425	0.00
12	1108.36	1108.36	0.00

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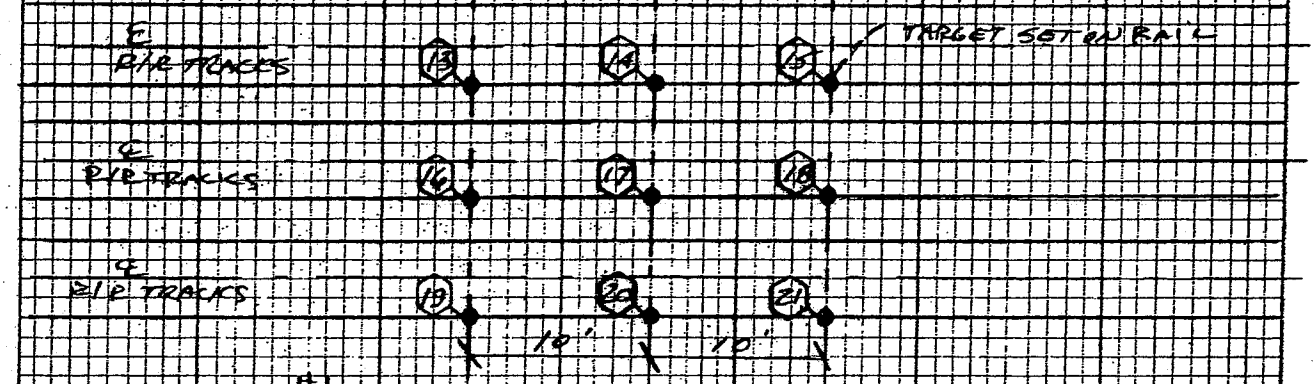
Land Surveying • GPS Surveys • Aerial Mapping

Client: ELCO Project: I215 BORE W.O. No.: 042-12 Page 1 of 1

Prepared By: RJG Date: 1-03-05

Description: RAILROAD TRACKS MONITORING

I 215



ΔR	500	HI 4.54
R=	1107.42	HO
CK	1107.57	0.00
CK	1107.875	0.00

	ORIG ELEV	ELEV. CK	CHANGE
13	1106.01	1106.005	-0.005
14	1105.89	1105.885	-0.005
15	1105.81	1105.805	-0.005
16	1105.87	1105.865	-0.005
17	1105.73	1105.725	-0.005
18	1105.64	TARGET GONE	—
19	1106.115	1106.115	0.00
20	1105.95	1105.95	0.00
21	1105.95	TARGET GONE	—

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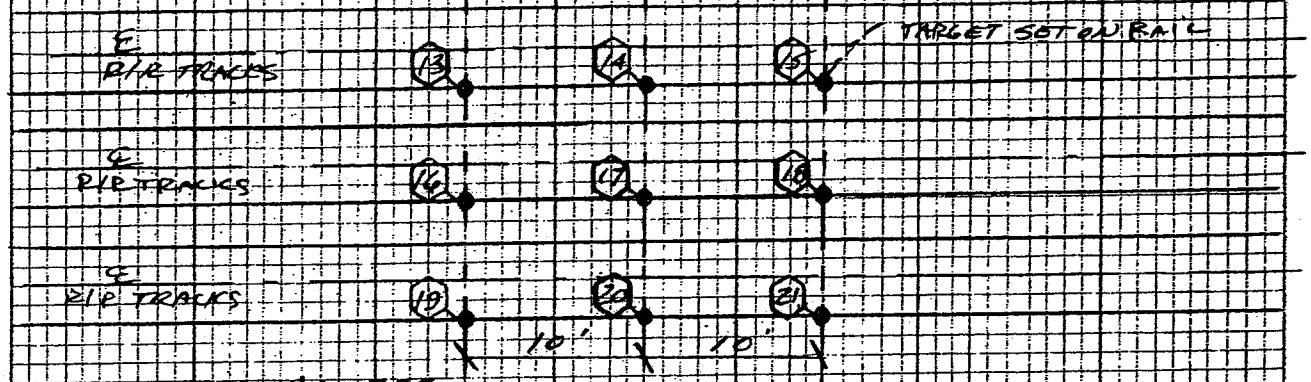
Client: ECCO Project: I215 BORE W.O. No.: 042-12 Page 1 of 1

Prepared By: RJG Date: 1-4-05

Description: RAIL ROAD TRACKS MONITORING

JAG I 215



HI 5.35

AC 500
EL 1107.42
CK 1107.57
CK 1109.875

HO 0.00

0.00

	ORIG. ELEV	ELEV. CK.	CHANGE
13	1106.01	1106.01	0.000
14	1105.89	1105.88	+ 0.010
15	1105.81	1105.805	− 0.005
16	1105.87	1105.865	− 0.005
17	1105.73	TARGET GONE	—
18	1105.64	TARGET GONE	—
19	1106.115	1106.115	0.000
20	1105.95	1105.95	0.000
21	1105.95	TARGET GONE	—

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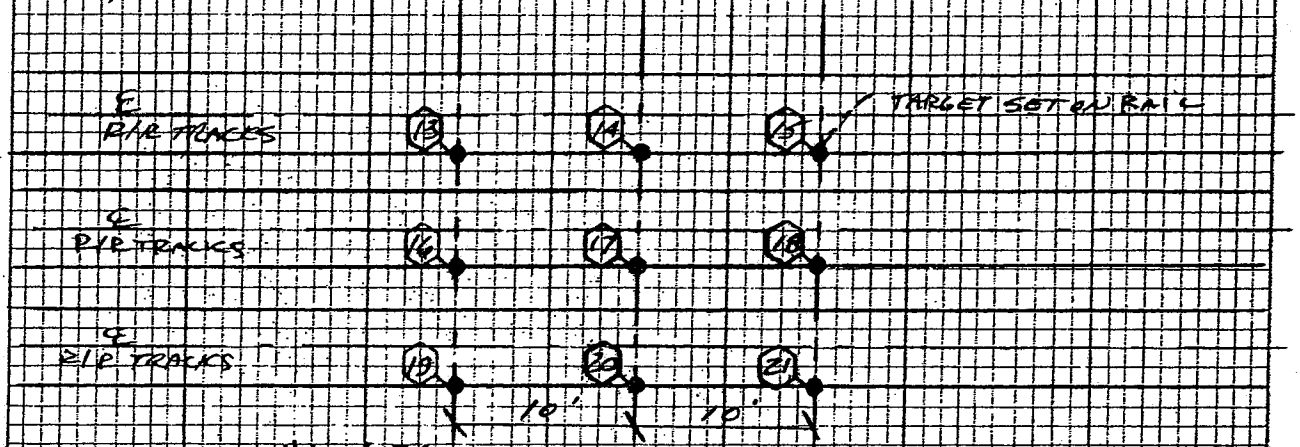
Client: ELCO Project: I215 BORE W.O. No.: 042-12 Page 1 of 1

Prepared By: RJG Date: 1-05-05

Description: RAIL ROAD TRACKS MONITORING

RJG, JS I 215



HI 4.74

HO 0.00

n@ 500
E= 1107.42
CK #1 1107.57
CK #503 1109.875

	ORIG ELEV	ELEV CK	CHANGE
13	1106.01	1106.005	-0.005
14	1105.89	1105.885	-0.005
15	1105.81	1105.805	-0.005
16	1105.87	1105.865	-0.005
17	1105.73	TARGET GONE	—
18	1105.64	TARGET GONE	—
19	1106.115	1106.115	0.00
20	1105.95	1105.95	0.00
21	1105.95	TARGET GONE	—

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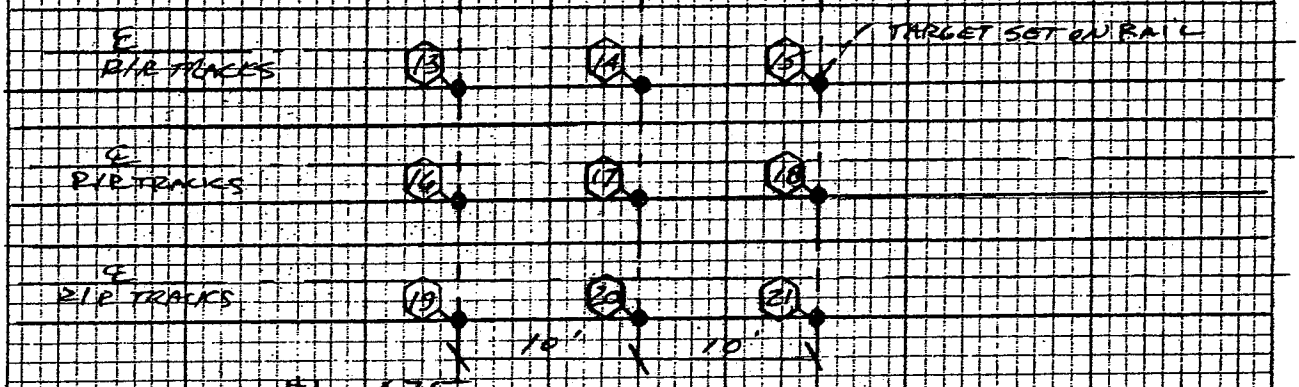
Client: ECCO Project: I215 BORE W.O. No: 049-12 Page 1 of 1

Prepared By: R.K., JS Date: 1-06-05

Description: RAILROAD TRACKS MONITORING

I 215



HI 4.75

TC 500

HO 0.00

CK #1 1101.57

CK #503 1109.875

	ORIG ELEV	ELEV CK	CHANGE
13	1106.01	1106.005	-0.005
14	1105.89	1105.885	-0.005
15	1105.81	1105.81	0.00
16	1105.81	1105.81	0.00
17	1105.73	TARGET GONE	—
18	1105.64	TARGET GONE	—
19	1106.115	1106.115	
20	1105.95	1105.95	0.00
21	1105.95	TARGET GONE	—

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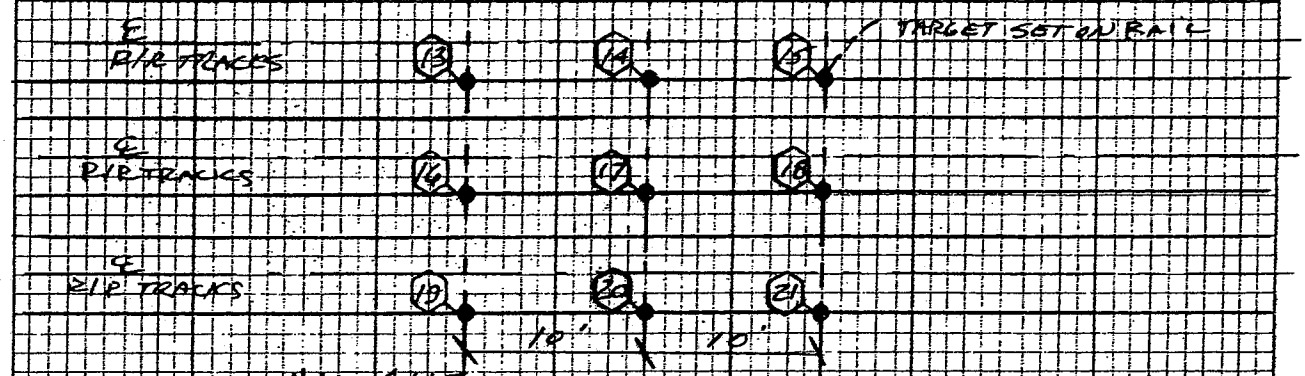
Client: ECCO Project: I215 BORE W.O. No.: 042-12 Page 1 of 1

Prepared By: RJG Date: 1-07-05

Description: RAILROAD TRACKS MONITORING

I 215



HI. 4.615

HO. 0.00

TIE 500
EL= 1107.42
CK #1 1107.57
CK #503 1109.875

	ORIG. ELEV	ELEV. CK.	CHANGE
13	1106.01	1106.005	-0.005
14	1105.89	1105.89	-0.00
15	1105.81	1105.805	-0.005
16	1105.87	1105.865	-0.005
17	1105.73	TARGET CONE	—
18	1105.64	TARGET CONE	—
19	1106.115	1106.11	-0.005
20	1105.95	1105.95	-0.00
21	1105.95	TARGET CONE	—

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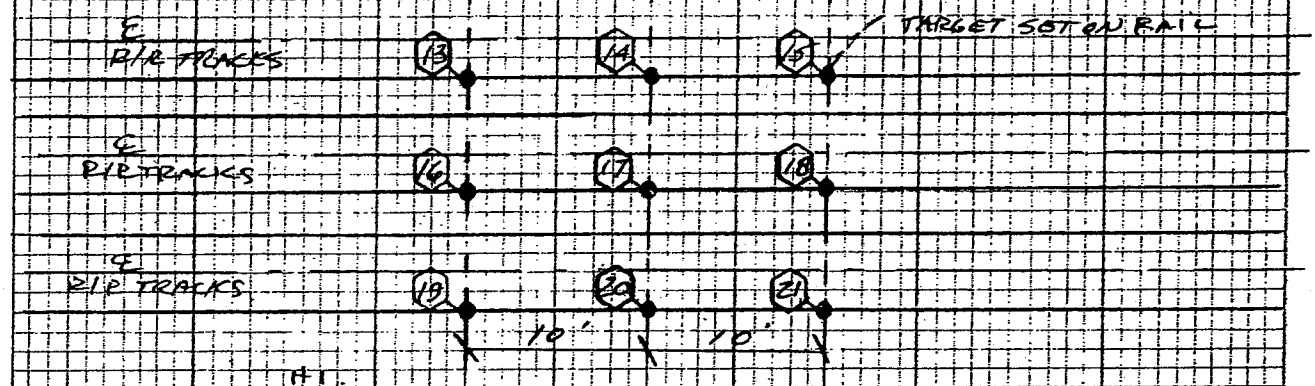
Client: ELCO Project: I215 BORE W.O. No.: 042-12 Page 1 of 1

Prepared By: RJG, GL Date: 1-10-05

Description: RAILROAD TRACKS MONITORING

I 215



AC 500 HI 4.90
EL=1107.42 HO 0.00
CK #1 1107.57
CK #503 1109.875

	ORIG. ELEV	ELEV. CK	CHANGE
13	1106.01	1106.005	− 0.005
14	1105.89	1105.885	− 0.005
15	1105.81	1105.805	− 0.005
16	1105.87	1105.87	0.00
17	1105.73	—	—
18	1105.64	—	—
19	1106.115	1106.11	− 0.005
20	1105.95	1105.95	0.00
21	1105.95	—	—

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