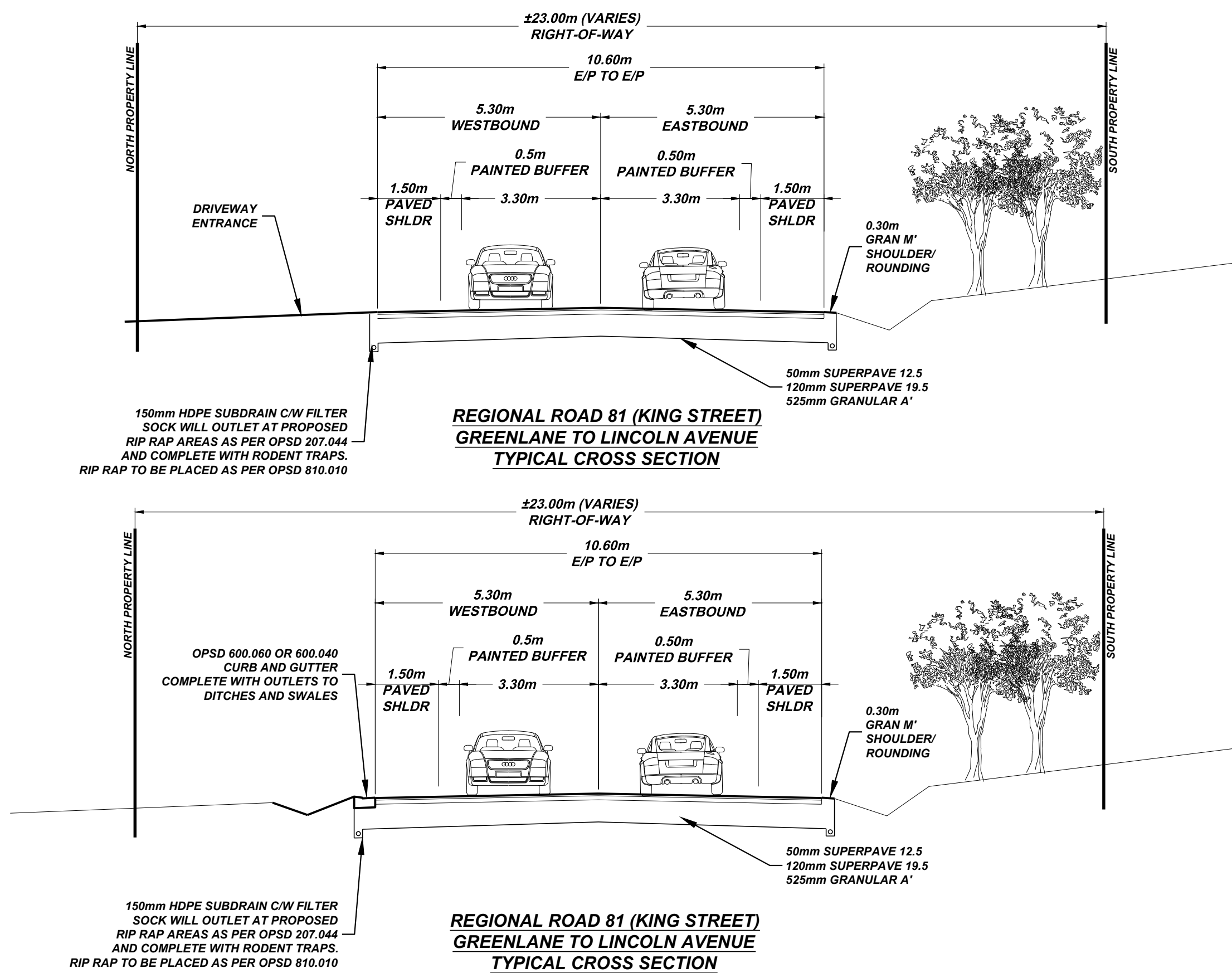


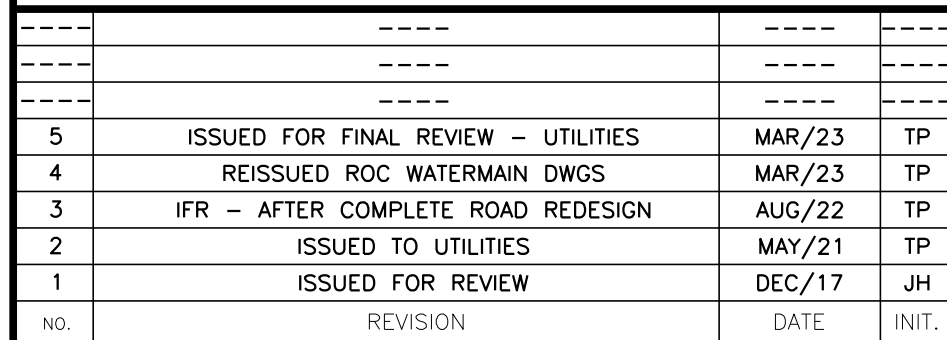
## **APPENDIX 8**

### **RECOMMENDED DESIGN DRAWINGS**





|     |  |                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
|-----|--|---------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|---------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|
|     |  |                     |  | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                           |  |       |  | DRAFTING      |  | <div>KERRY T. HOWE ENGINEERING LTD.<br/>CONSULTING ENGINEERS<br/>98 Church Street<br/>St. Catharines, Ontario<br/>(905) 688-6550</div> <div></div> <div><b>KING STREET<br/>ROAD RECONSTRUCTION<br/>AND WATERMAIN REPLACEMENT<br/>GREENLANE TO LINCOLN AVENUE<br/>TOWN OF LINCOLN<br/>TYPICAL CROSS SECTIONS</b></div> | CONSULTANT FILE No. 16-014 |  |
|     |  |                     |  | 1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |       |  | TP            |  |                                                                                                                                                                                                                                                                                                                                                                                                            | DATE AUG 2023              |  |
|     |  |                     |  | 2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                         |  |       |  | SK            |  |                                                                                                                                                                                                                                                                                                                                                                                                            | SCALE 1:100                |  |
|     |  |                     |  | 3. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                              |  |       |  | CHECKED BY SK |  |                                                                                                                                                                                                                                                                                                                                                                                                            | REF. No. KING STREET       |  |
|     |  |                     |  | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |  | APPROVED BY   |  |                                                                                                                                                                                                                                                                                                                                                                                                            | DWG No. 16-014 - TYP----   |  |
|     |  |                     |  | VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            | REV. 2                     |  |
|     |  |                     |  | DATUM: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
|     |  |                     |  | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                           |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
|     |  |                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
|     |  |                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |       |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
| 2   |  | ISSUED TO UTILITIES |  | MAY/21                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | TP    |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
| 1   |  | ISSUED FOR REVIEW   |  | DEC/17                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | JH    |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |
| NO. |  | REVISION            |  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | INIT. |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |



|             |    |
|-------------|----|
| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |

**Niagara Region**  
**PUBLIC WORKS**

|                              |           |
|------------------------------|-----------|
| CONSULTANT FILE No. 16-014   |           |
| DATE MAR, 2024               |           |
| SCALE HOR 1:200<br>VER: 1:50 |           |
| REF. No. <u>2024-T-100</u>   |           |
| DWG No.<br>16-014 - PP4      | REV.<br>5 |

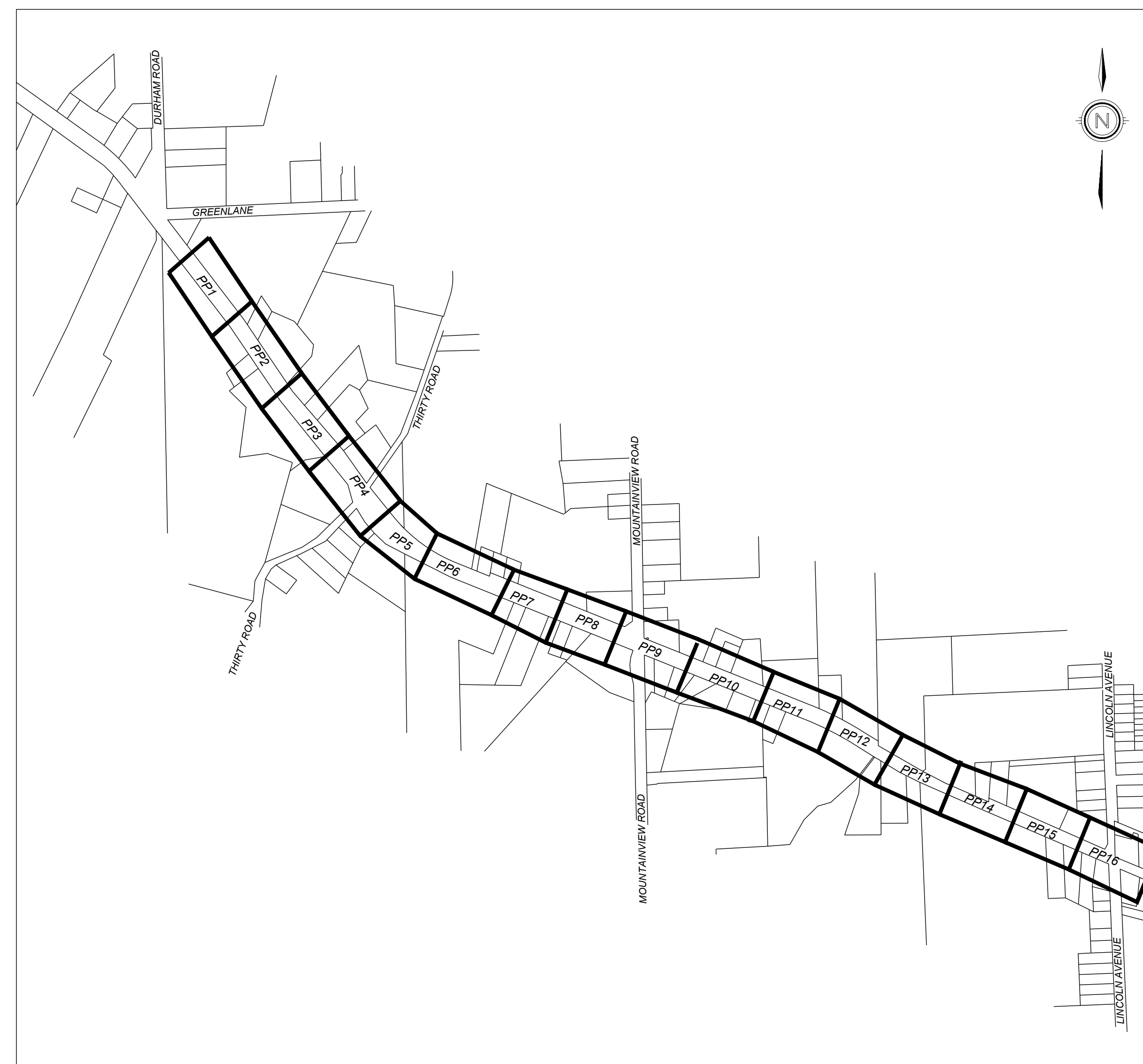
**Niagara  Region**  
**PUBLIC WORKS**

# KING STREET - ROAD RECONSTRUCTION

*TOWN OF LINCOLN*

*JIM BRADLEY*  
*REGIONAL CHAIR*

| DRAWING INDEX                     |             |
|-----------------------------------|-------------|
| THIRTY ROAD<br>PLAN PROFILE       | 16-014-PP17 |
| MOUNTAINVIEW ROAD<br>PLAN PROFILE | 16-014-PP18 |
| LINCOLN AVENUE<br>PLAN PROFILE    | 16-014-PP19 |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS1  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS2  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS3  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS4  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS5  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS6  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS7  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS8  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS9  |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS10 |
| KING STREET<br>CROSS SECTIONS     | 16-014-XS11 |



LOCATION PLAN - (NOT TO SCALE)

**KERRY T. HOWE ENGINEERING LTD.**  
CONSULTING ENGINEERS  
98 Church Street  
St. Catharines, Ontario  
(905) 688-6550

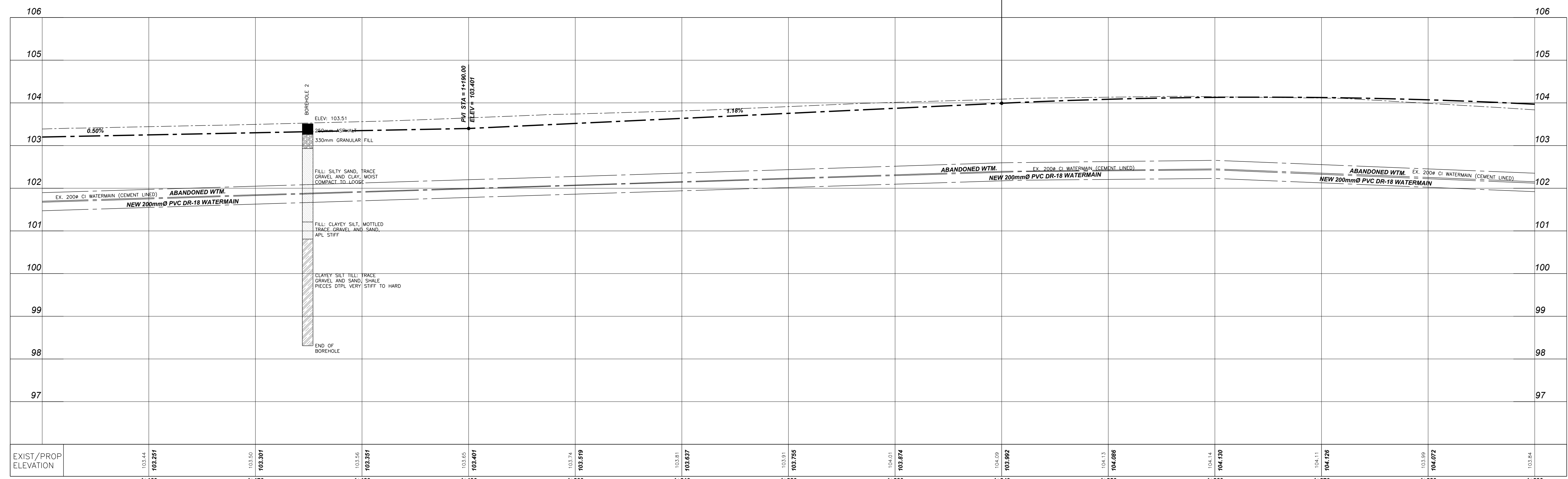
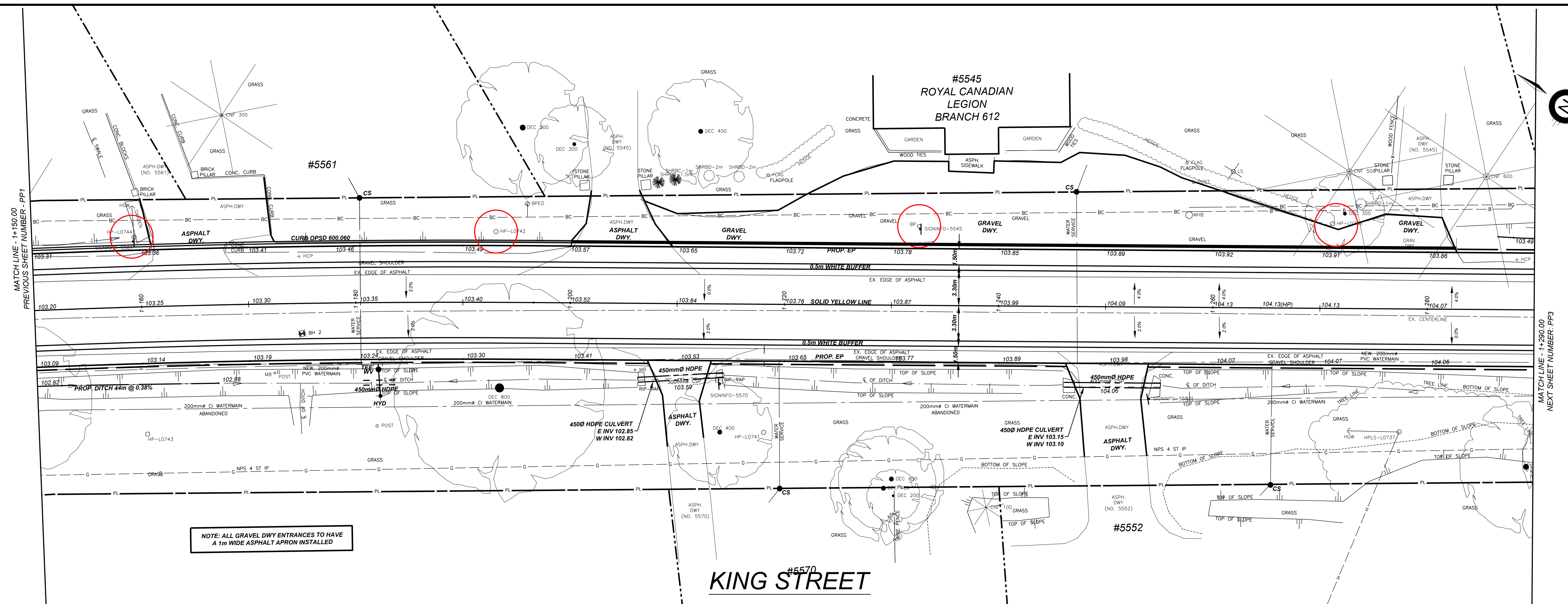


*CONTRACT No. - ????*

CONTRACT No. ???  
KING STREET - ROAD RECONSTRUCTION  
FROM GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN

|     |                                       |         |       |
|-----|---------------------------------------|---------|-------|
| 5   | ISSUED FOR FINAL REVIEW -- UTILITIES  | MAR/23  | TP    |
| 4   | ISSUED FOR ROC OF WATERMAIN REVISIONS | MAR/23  | TP    |
| 3   | IFR -- AFTER COMPLETE ROAD REDESIGN   | JUNE/22 | TP    |
| 2   | ISSUED TO UTILITIES                   | MAY/21  | TP    |
| 1   | ISSUED FOR REVIEW                     | MAY/21  | TP    |
| NO. | REVISION                              | DATE    | INIT. |



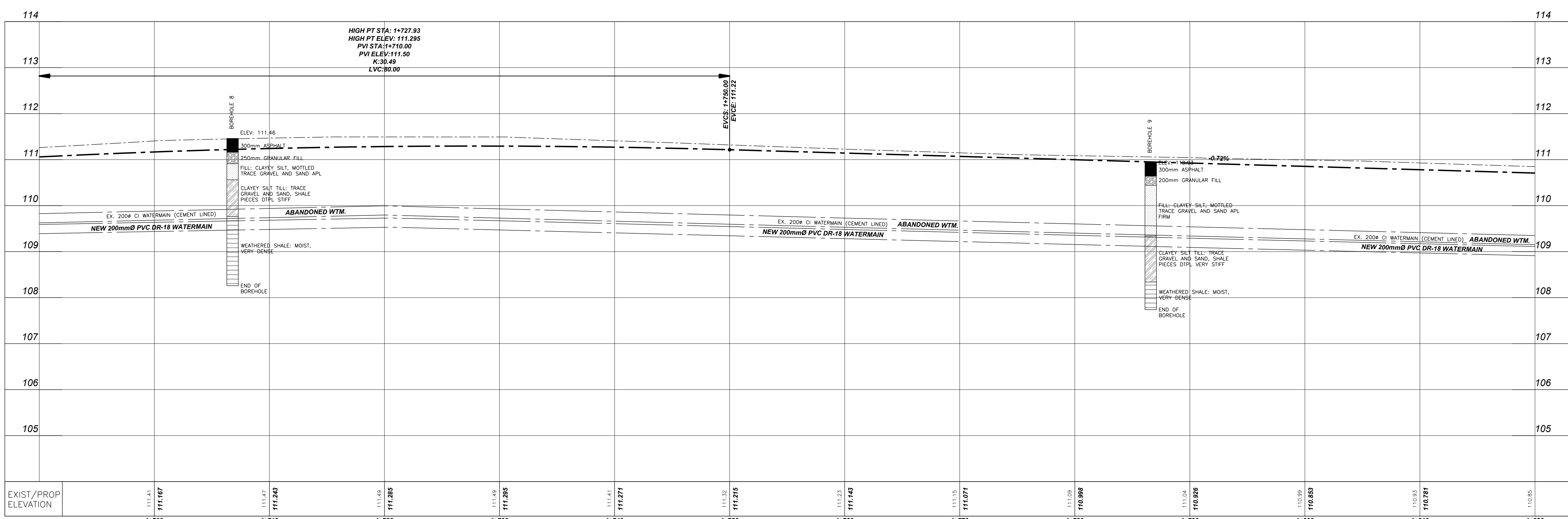
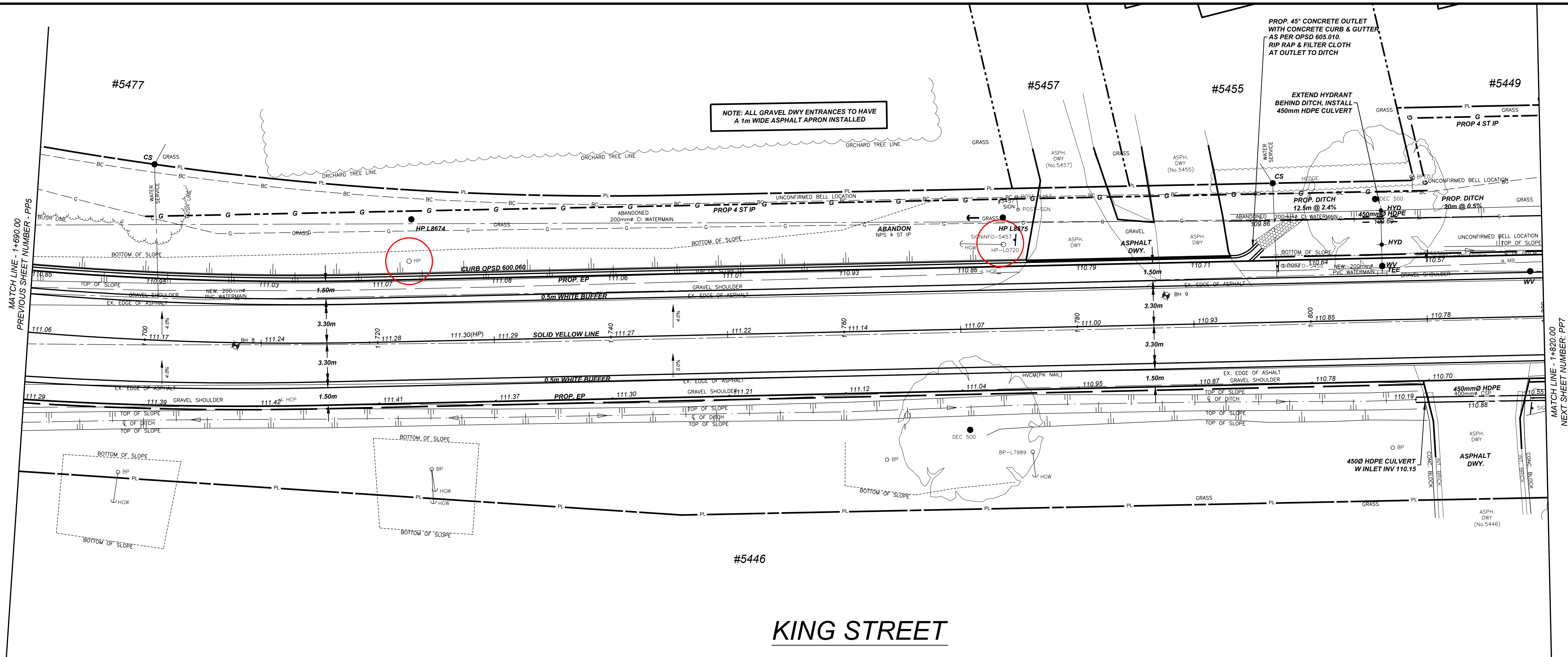


|                                                 |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                 |  |                                                                                       |  |                                    |  |                                   |  |
|-------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--|---------------------------------------------------------------------------------------|--|------------------------------------|--|-----------------------------------|--|
|                                                 |  |  |  | <b>NOTES/LEGEND</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | <b>DRAFTING</b> |  | <b>KERRY T. HOWE ENGINEERING LTD.</b>                                                 |  | <b>KING STREET</b>                 |  | <b>CONSULTANT FILE No. 16-014</b> |  |
|                                                 |  |  |  | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  |  | TP              |  | CONSULTING ENGINEERS<br>88 Church Street<br>91 Centre City, Ontario<br>(905) 888-8550 |  | <b>ROAD RECONSTRUCTION</b>         |  | DATE <b>MAR, 2023</b>             |  |
| 5 ISSUED FOR FINAL REVIEW – UTILITIES MAR/23 TP |  |  |  | 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD, TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                                        |  |  |  | DESIGN          |  |  |  | <b>AND WATERMAIN REPLACEMENT</b>   |  | SCALE <b>HOR 1:200</b>            |  |
| 4 REISSUED ROC WATERMAIN DWGS MAR/23 TP         |  |  |  | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY AN ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                              |  |  |  | SK              |  |                                                                                       |  | <b>GREENLANE TO LINCOLN AVENUE</b> |  | VER: <b>1:50</b>                  |  |
| 3 IFR – AFTER COMPLETE ROAD REDESIGN AUG/22 TP  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  | CHECKED BY      |  |                                                                                       |  | REF. No. <b><u>KING STREET</u></b> |  |                                   |  |
| 2 ISSUED TO UTILITIES MAY/21 TP                 |  |  |  | <b>BENCHMARK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | SK              |  |                                                                                       |  | <b>TOWN OF LINCOLN</b>             |  | DWG No. <b>16-014 - PP2</b>       |  |
| 1 ISSUED FOR REVIEW DEC/17 JH                   |  |  |  | VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | APPROVED BY     |  |                                                                                       |  | <b>Sta. 1+150 - Sta. 1+290</b>     |  | REV. <b>5</b>                     |  |
| NO. REVISION INIT.                              |  |  |  | DATE ELEV. ----<br>GEOGRAPHIC PROJECTION: <b>U.T.M. NAD 83 ZONE 17</b>                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                 |  |                                                                                       |  |                                    |  |                                   |  |









NO.

REVISION

DATE

INTD.

1

ISSUED FOR REVIEW

DEC/17

JH

2

ISSUED TO UTILITIES

MAY/21

TP

3

IFR - AFTER COMPLETE ROAD REDESIGN

AUG/22

TP

4

REISSUED ROC WATERMAIN DWGS

MAR/23

TP

5

ISSUED FOR FINAL REVIEW - UTILITIES

MAR/23

TP

NOTES/LEGEND

1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.

VERTICAL MONUMENT: ---

DATUM: ---

ELEV. ---

GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17

DRAFTING

TP

DESIGN

SK

CHECKED BY

SK

APPROVED BY

KERRY T. HOWE ENGINEERING LTD.

CONSULTING ENGINEERS

88 Church Street

S. Cornwall, Ontario

(905) 868-6500

Niagara Region

PUBLIC WORKS

KING STREET

ROAD RECONSTRUCTION

AND WATERMAIN REPLACEMENT

GREENLANE TO LINCOLN AVENUE

TOWN OF LINCOLN

Sta. 1+690 - Sta. 1+820

CONSULTANT FILE No. 16-014

DATE MAR, 2023

SCALE HOR 1:200

VER: 1:50

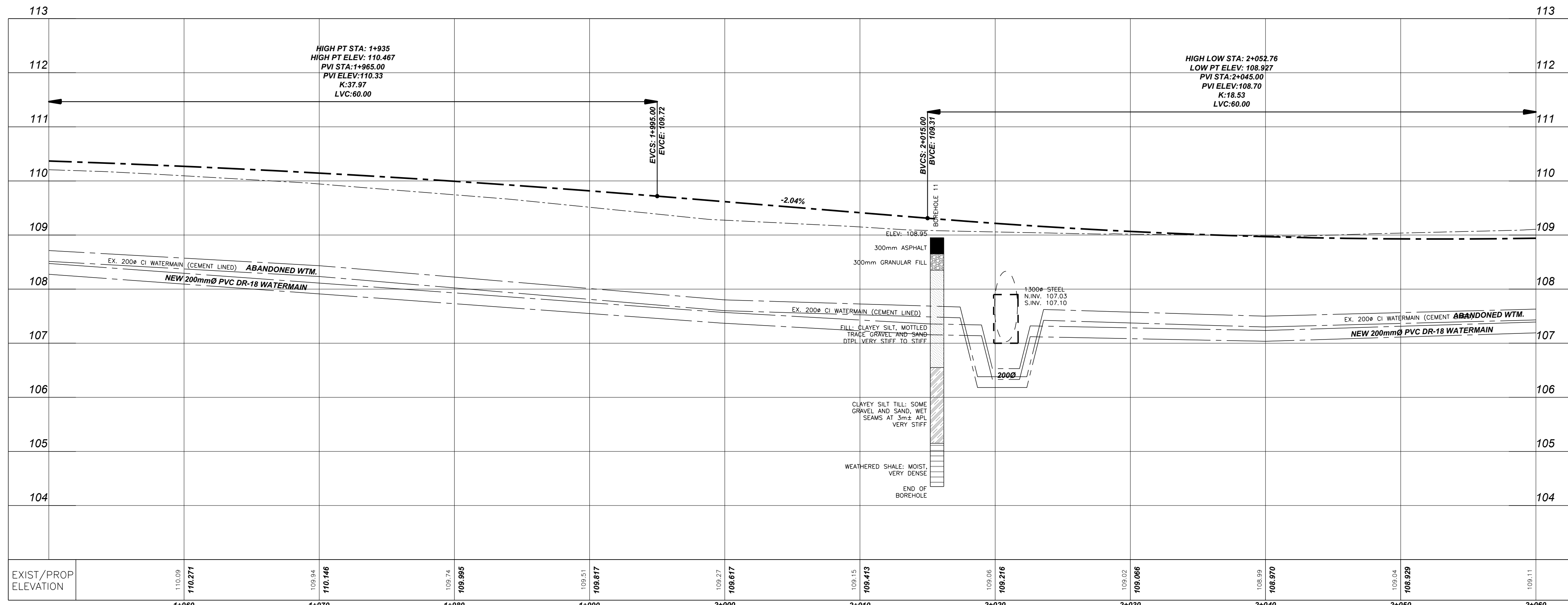
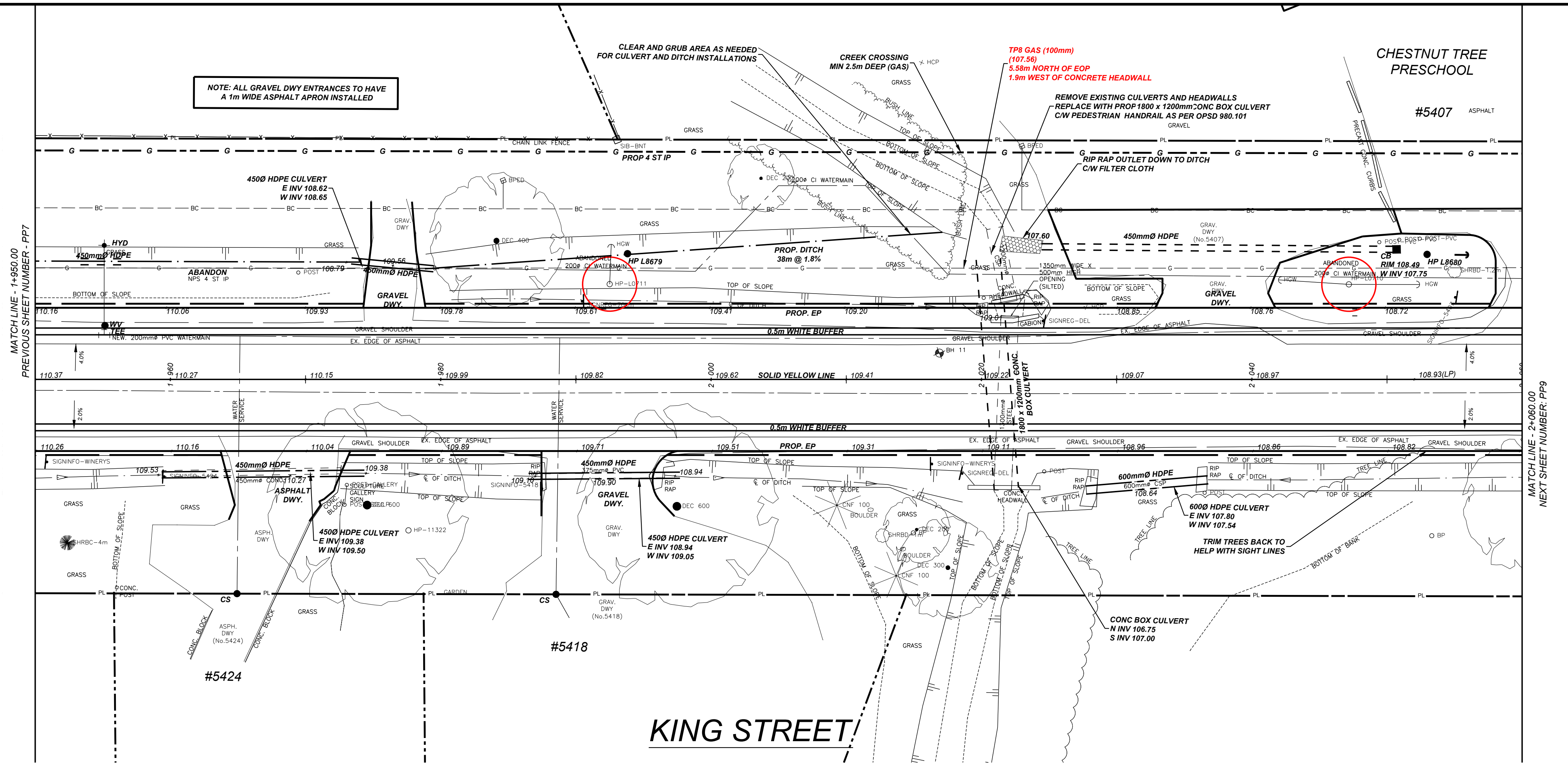
REF. No. KING STREET

DWG No. 16-014 - PP6

REV. 5

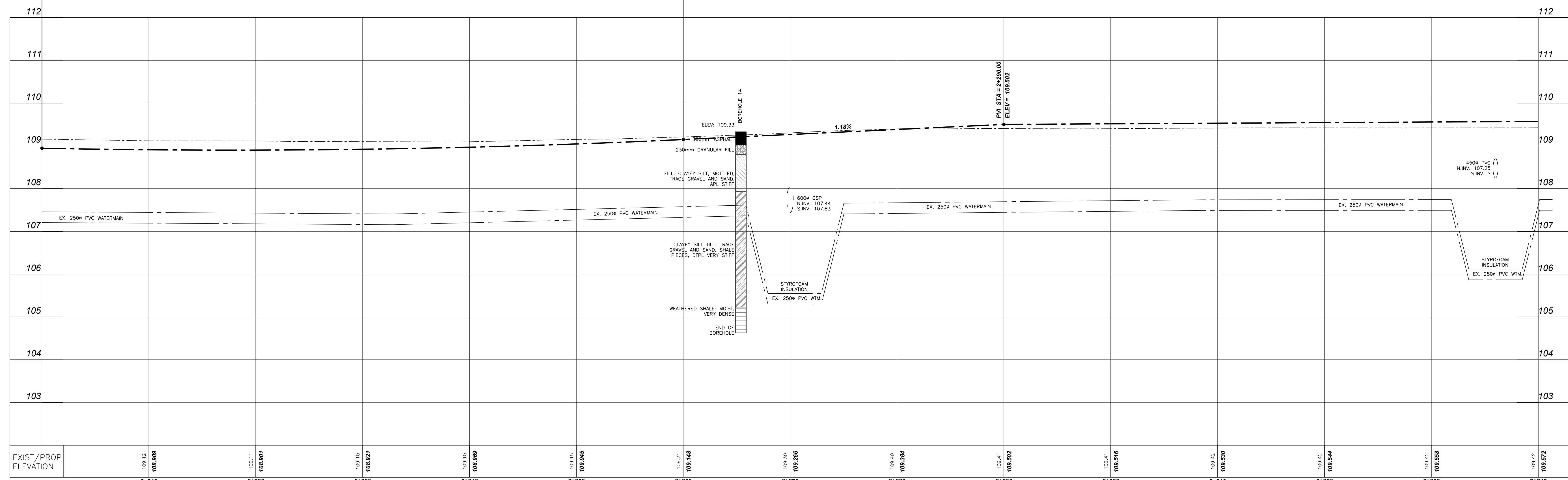
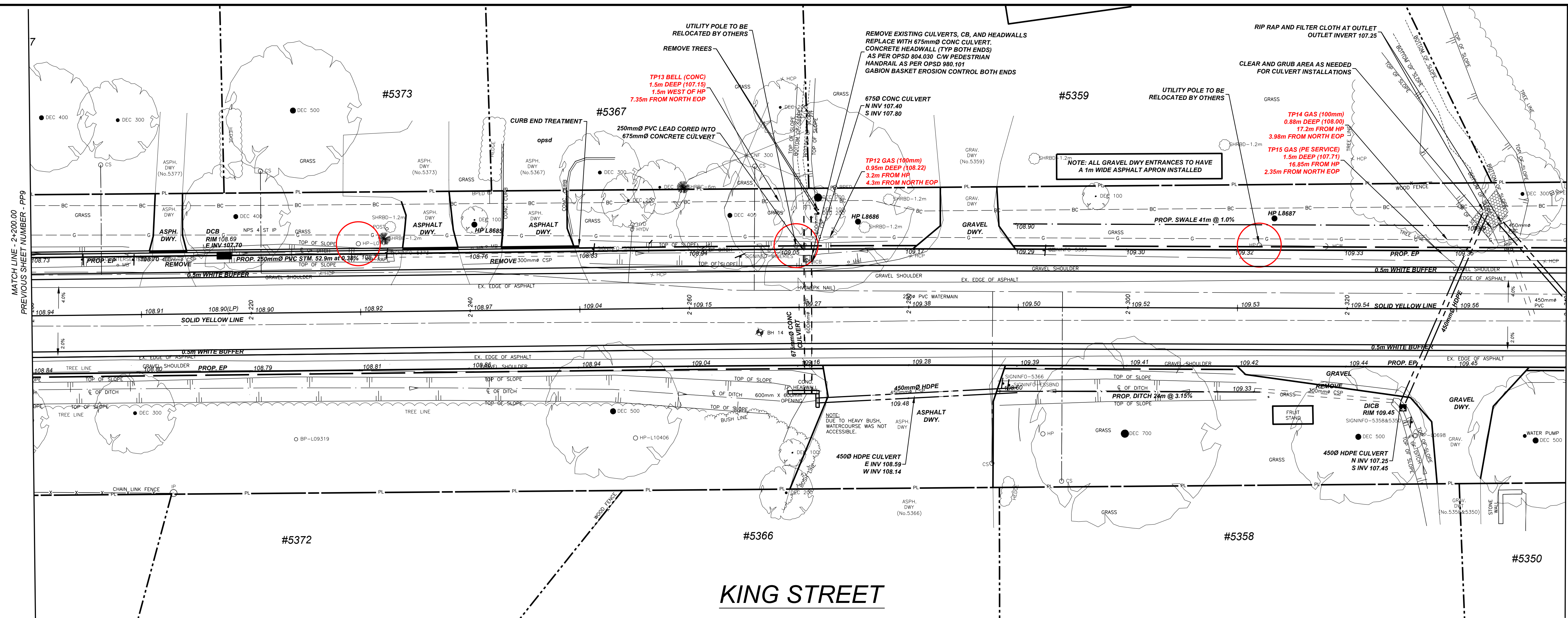
DRAWING FILE: W:\2016\16-014 King St\_Greenlane to Lincoln.dwg\16-014-Work.dwg PLOTTED: Sep 06, 2023 - 9:39am PLOTTED BY: tp1rman



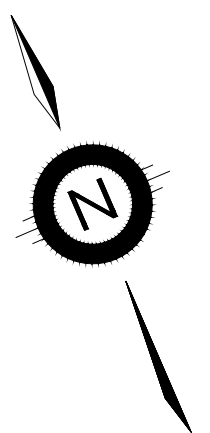


|                                                 |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |             |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  |                              |  |
|-------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|
|                                                 |  |  |  | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                         |  | DRAFTING    |  | <div>KERRY T. HOWE ENGINEERING LTD.<br/>CONSULTING ENGINEERS<br/>98 Church Street<br/>St. Catharines, Ontario<br/>(905) 688-6550</div> <div></div> <div><b>Niagara Region</b><br/>PUBLIC WORKS</div> | <div><b>KING STREET</b><br/><b>ROAD RECONSTRUCTION</b><br/><b>AND WATERMAIN REPLACEMENT</b><br/><b>GREENLANE TO LINCOLN AVENUE</b><br/><b>TOWN OF LINCOLN</b><br/><b>Sta. 1+950 - Sta. 2+060</b></div> |  | CONSULTANT FILE No. 16-014   |  |
|                                                 |  |  |  | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  | TP          |  |                                                                                                                                                                                                                                                                                           | DATE MAR, 2023                                                                                                                                                                                         |  | SCALE HOR 1:200<br>VER: 1:50 |  |
| 5 ISSUED FOR FINAL REVIEW – UTILITIES MAR/23 TP |  |  |  | 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                        |  | SK          |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  | REF. No. <u>KING STREET</u>  |  |
| 4 REISSUED ROC WATERMAIN DWGS MAR/23 TP         |  |  |  | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                             |  | SK          |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  | DWG No.                      |  |
| 3 IFR – AFTER COMPLETE ROAD REDESIGN AUG/22 TP  |  |  |  | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                            |  | APPROVED BY |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  | 16-014 - PP8                 |  |
| 2 ISSUED TO UTILITIES MAY/21 TP                 |  |  |  | VERTICAL MONUMENT: --- ELEV. ---                                                                                                                                                                                                                                                                                                                                                                                                     |  |             |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  | REV.                         |  |
| 1 ISSUED FOR REVIEW DEC/17 JH                   |  |  |  | DATUM: --- ELEV. ---                                                                                                                                                                                                                                                                                                                                                                                                                 |  |             |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  | 5                            |  |
| NO. REVISION DATE INIT.                         |  |  |  | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                         |  |             |  |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                        |  |                              |  |

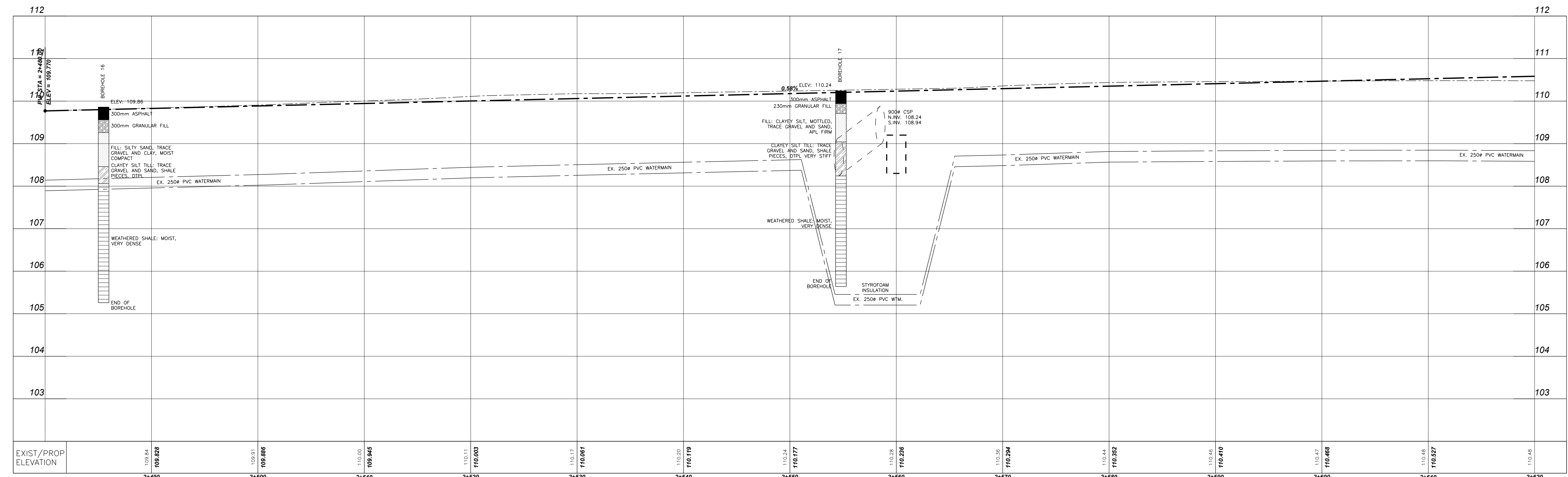




|                                       |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |           |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
|---------------------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----------|--|------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------|--|-----------------------|--|---|--|
|                                       |  |  | NOTES / LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  | DRAFTING  |  | KERRY T. HOWE ENGINEERING LTD.<br>CONSULTING ENGINEER<br>38 Church Street<br>St. Catharines, Ontario<br>(905) 668-6500 |  |  |  | KING STREET<br>ROAD RECONSTRUCTION<br>AND WATERMAIN REPLACEMENT<br>GREENLANE TO LINCOLN AVENUE<br>TOWN OF LINCOLN<br>Sta. 2+200 - Sta. 2+340 |  | CONSULTANT FILE No. 16-014 |  |                       |  |   |  |
|                                       |  |  | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  | TP        |  |                                                                                                                        |  |                                                                                       |  | DATE MAR, 2023                                                                                                                               |  | SCALE                      |  | REV.                  |  |   |  |
| 5 ISSUED FOR FINAL REVIEW - UTILITIES |  |  | MAR/23                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  | SK        |  |                                                                                                                        |  |                                                                                       |  | DATE HOR 1:200                                                                                                                               |  | REF. No. KING STREET       |  | DWG No. 16-014 - PP10 |  | 5 |  |
| 4 REISSUED ROC WATERMAIN DWGS         |  |  | MAR/23                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  | SK        |  |                                                                                                                        |  |                                                                                       |  | VER: 1:50                                                                                                                                    |  |                            |  |                       |  |   |  |
| 3 IFR - AFTER COMPLETE ROAD REDESIGN  |  |  | AUG/22                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  | TP        |  | CHECKED BY SK                                                                                                          |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
| 2 ISSUED TO UTILITIES                 |  |  | MAY/21                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  | TP        |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
| 1 ISSUED FOR REVIEW                   |  |  | DEC/17                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  | JH        |  | APPROVED BY                                                                                                            |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
| NO. REVISION                          |  |  | INIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  | BENCHMARK |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
|                                       |  |  | VERTICAL MONUMENT: ----                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |           |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
|                                       |  |  | ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |           |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
|                                       |  |  | DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |           |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |
|                                       |  |  | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |           |  |                                                                                                                        |  |                                                                                       |  |                                                                                                                                              |  |                            |  |                       |  |   |  |

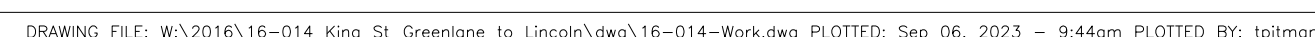
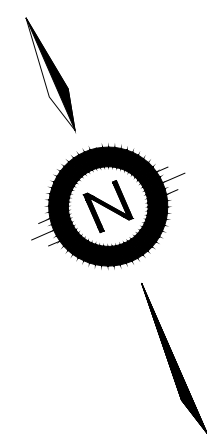


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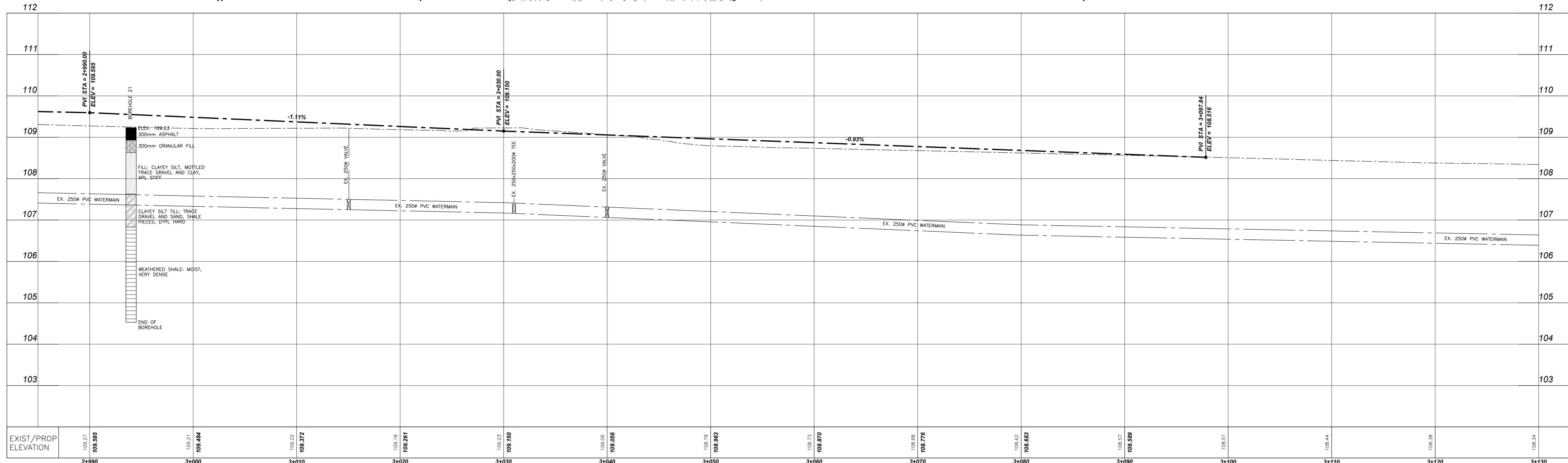
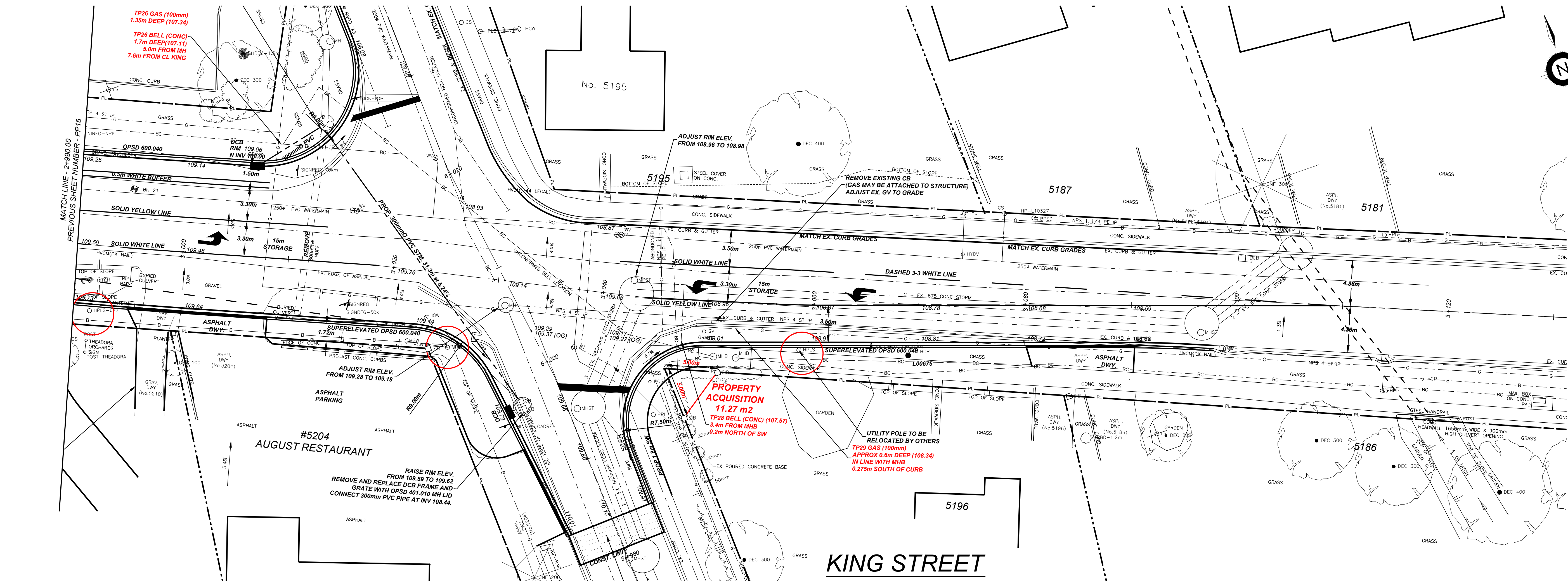


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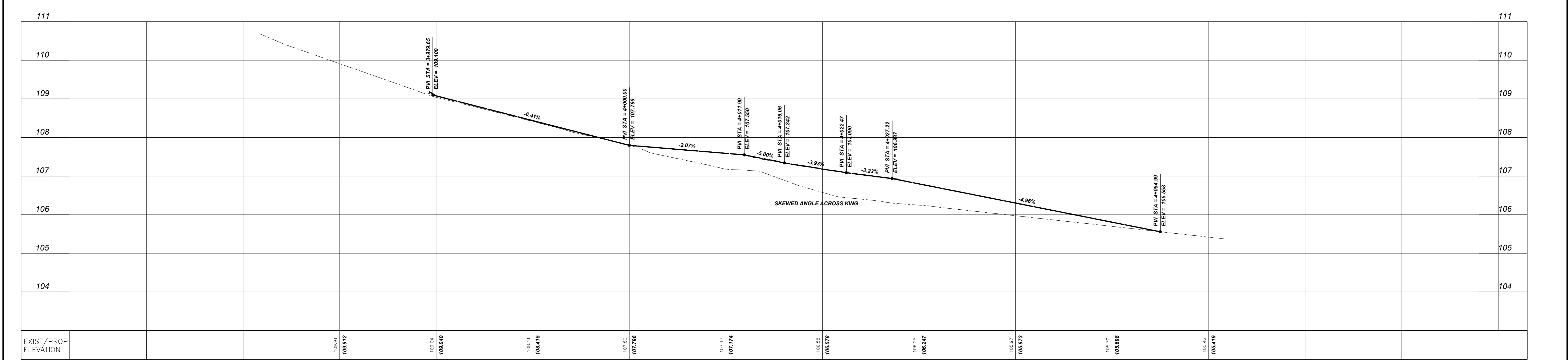
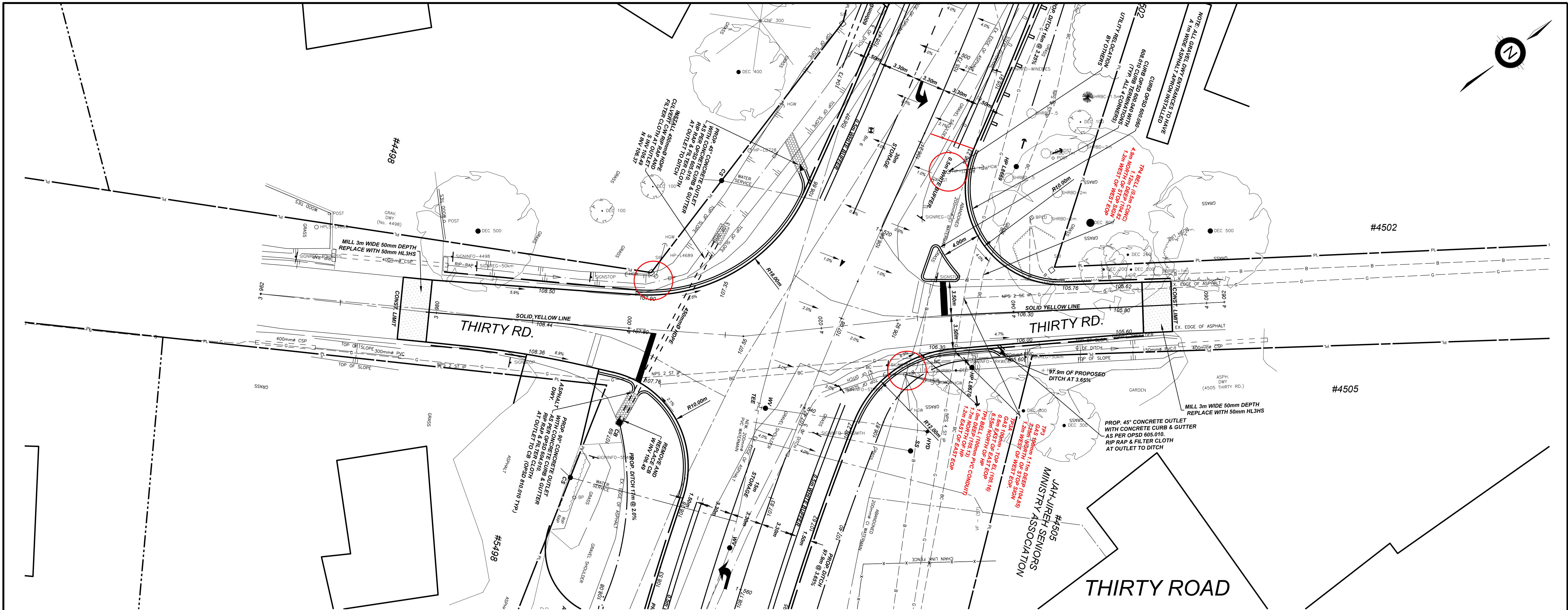




|                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                 |  |                                       |  |                             |  |                                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--|---------------------------------------|--|-----------------------------|--|-----------------------------------|--|
| <b>NOTES/LEGEND</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | <b>DRAFTING</b> |  | <b>KERRY T. HOWE ENGINEERING LTD.</b> |  | <b>KING STREET</b>          |  | <b>CONSULTANT FILE No. 16-014</b> |  |
| 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  |  | TP              |  | CONSULTING ENGINEER                   |  | ROAD RECONSTRUCTION         |  | DATE MAR, 2023                    |  |
| 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                        |  |  |  | SK              |  | 98 Church Street                      |  | AND WATERMAIN REPLACEMENT   |  | SCALE HOR 1:200                   |  |
| 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                                                                                                                                               |  |  |  | SK              |  | St. Catharines, Ontario               |  | GREENLANE TO LINCOLN AVENUE |  | VER: 1:50                         |  |
| <b>BENCHMARK</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | APPROVED BY     |  | (905) 688-6550                        |  | TOWN OF LINCOLN             |  | REF. No. KING STREET              |  |
| VERTICAL MONUMENT: --- ELEV. ---                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                 |  |                                       |  | TOWN OF LINCOLN             |  | DWG No.                           |  |
| DATUM: --- ELEV. ---                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                 |  |                                       |  | TOWN OF LINCOLN             |  | REV.                              |  |
| GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                 |  |                                       |  | TOWN OF LINCOLN             |  | 16-014 - PP16                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                 |  |                                       |  | TOWN OF LINCOLN             |  | 5                                 |  |

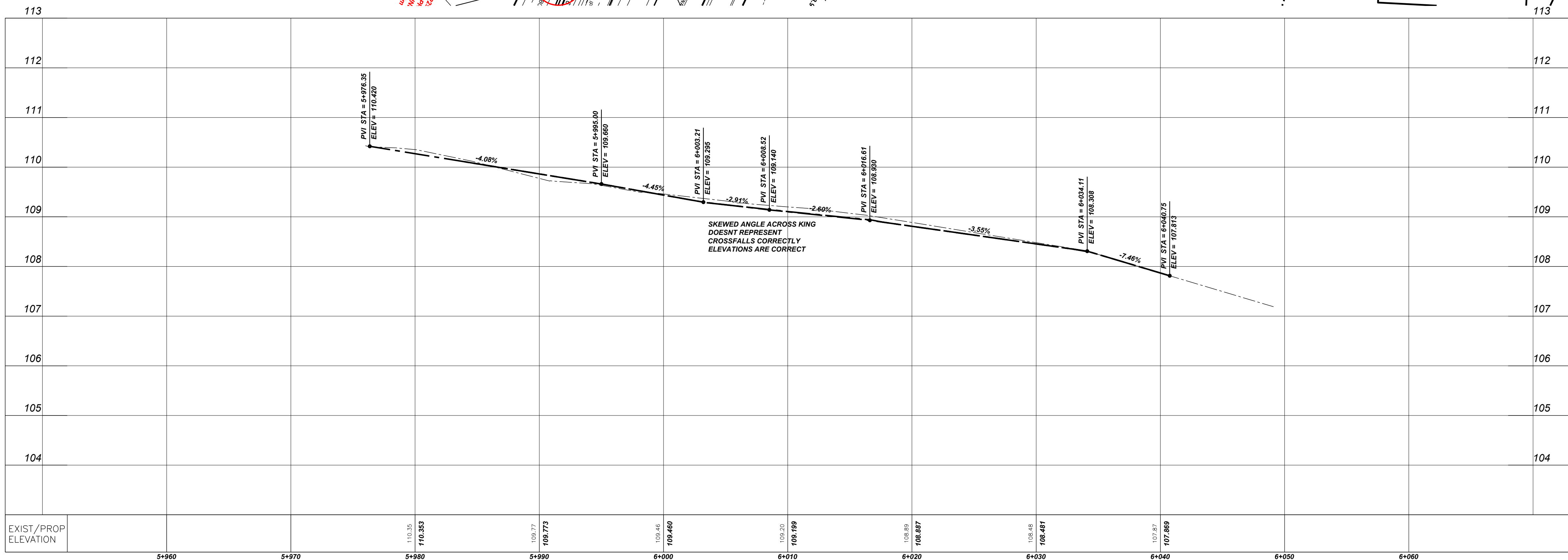
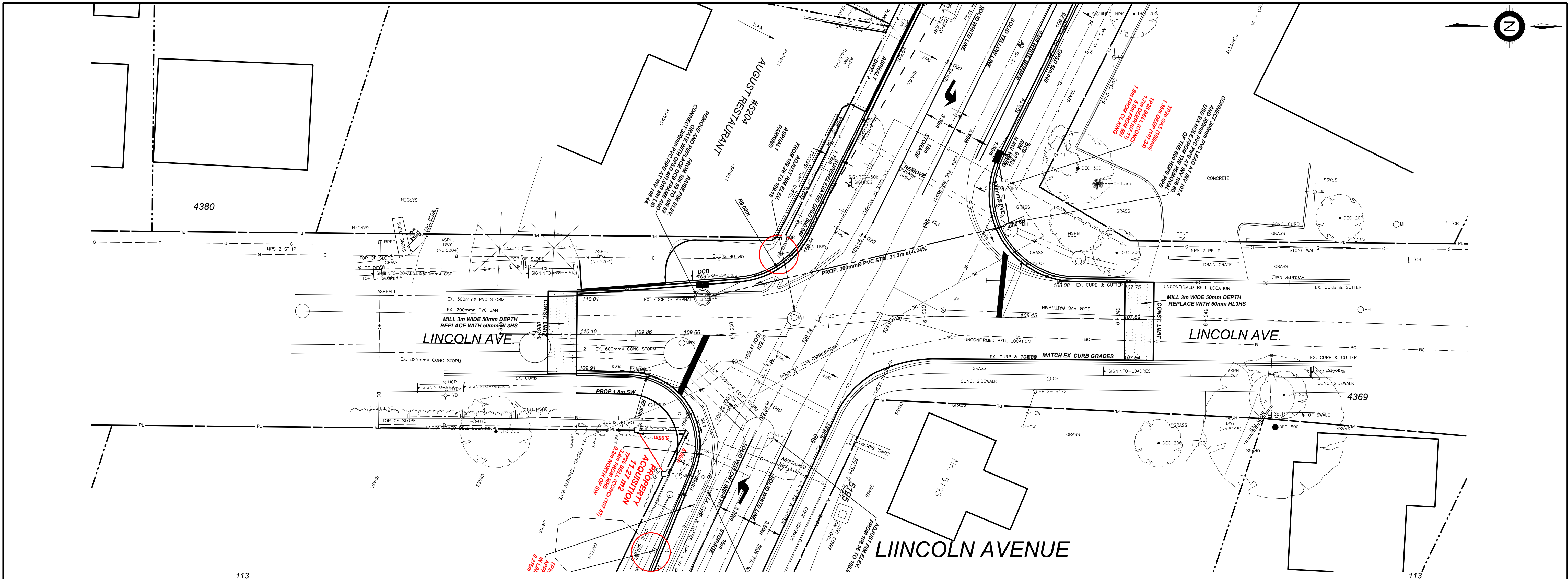
**Niagara Region**  
PUBLIC WORKS

**King Street**  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
Sta. 2+985 - Sta. 3+130



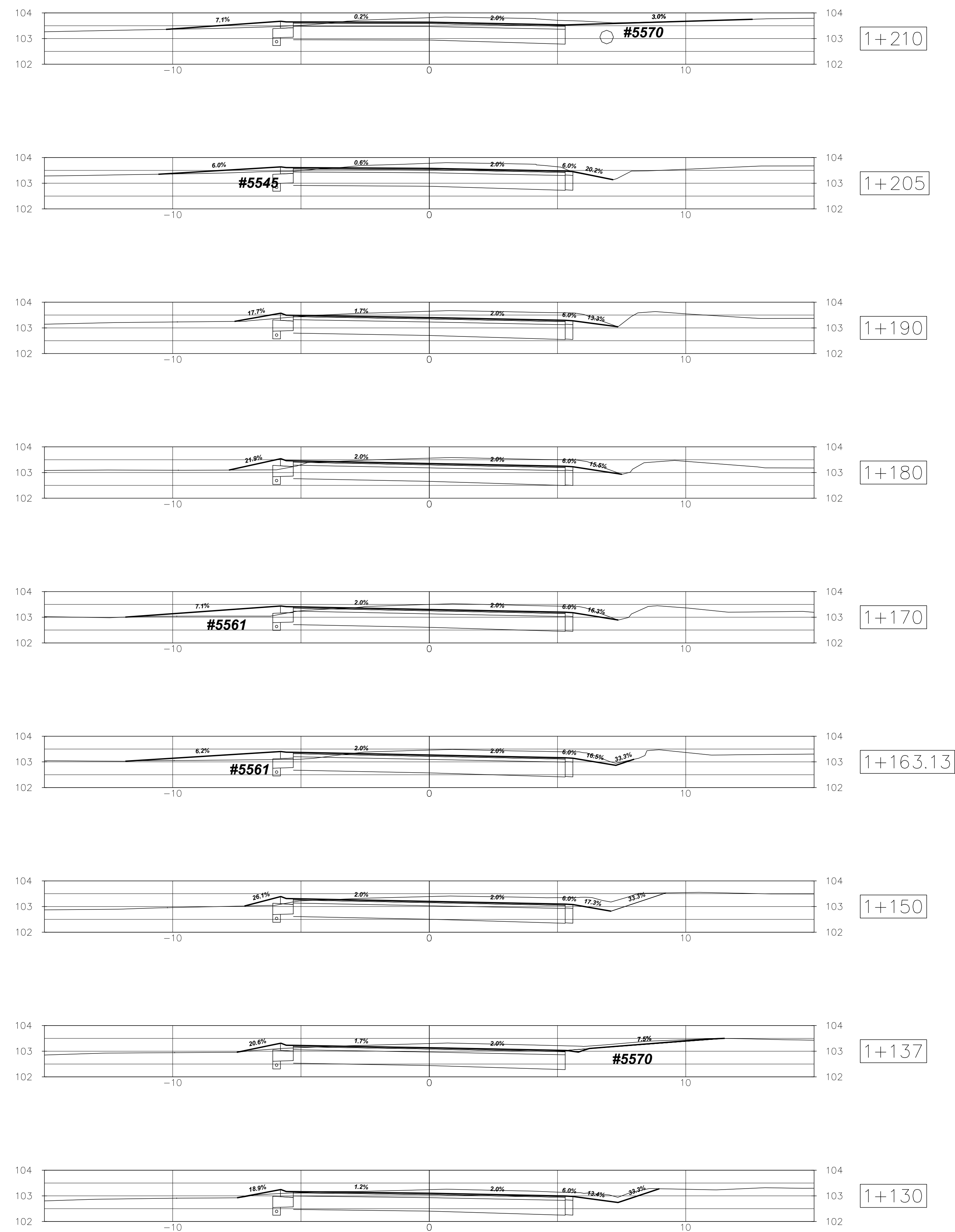
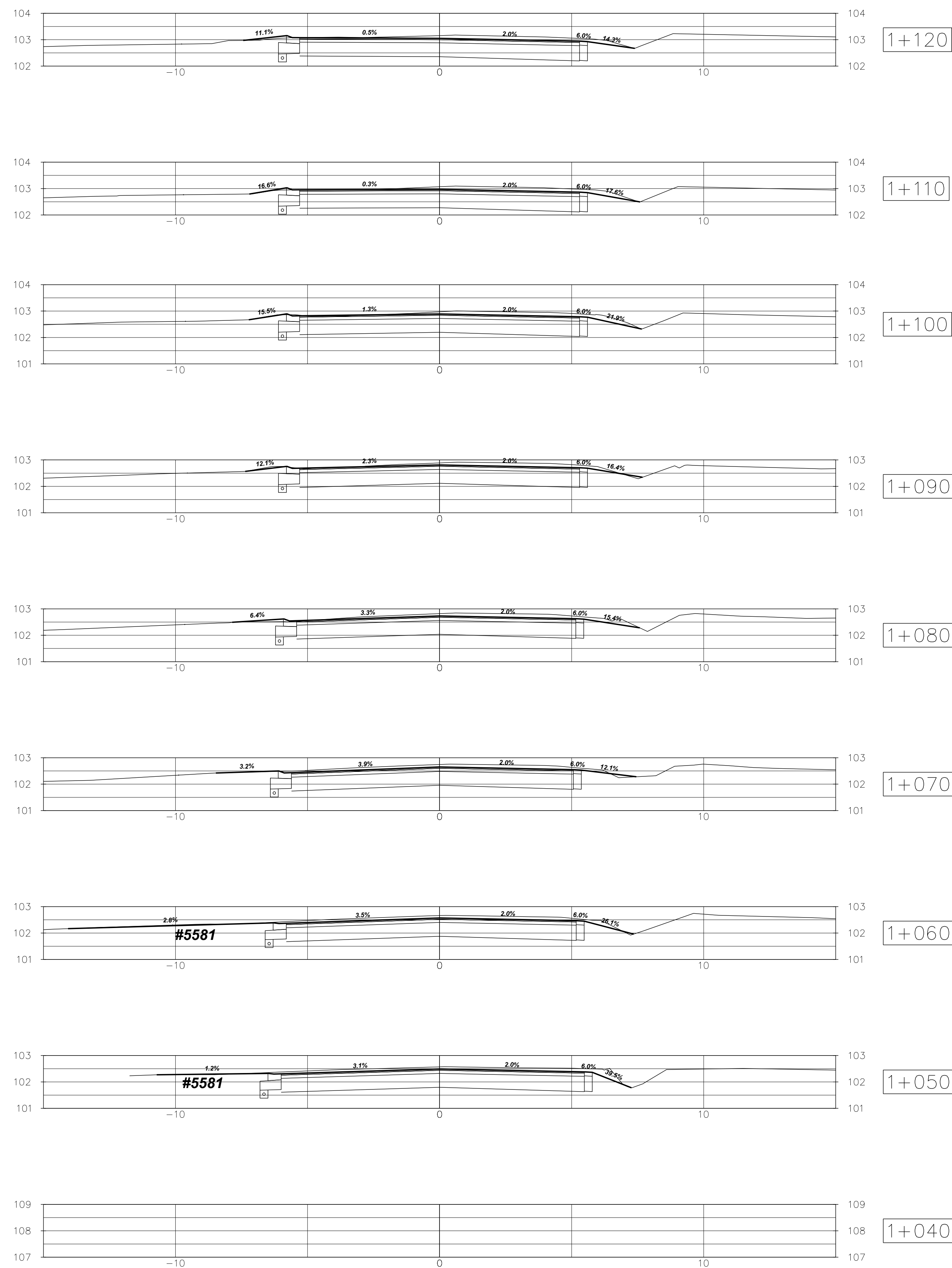
|                                                 |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |                                              |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              |   |                      |                            |  |
|-------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------|----------------------------|--|
|                                                 |  |  | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  | DRAFTING                                     |  | <div>KERRY T. HOWE ENGINEERING LTD.<br/>CONSULTING ENGINEER<br/>94 Church Street<br/>Caledonia, Ontario<br/>(905) 688-6550</div> <div></div> | <div>NiagaraRegion</div> <div>PUBLIC WORKS</div> | THIRTY ROAD<br>ROAD RECONSTRUCTION<br>AND WATERMAIN REPLACEMENT<br>GREENLANE TO LINCOLN AVENUE<br>TOWN OF LINCOLN<br>Sta. 3+980 - Sta. 4+060 |   |                      | CONSULTANT FILE No. 16-014 |  |
|                                                 |  |  | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  | TP                                           |  |                                                                                                                                                                                                                                   |                                                  | DATE MAR, 2023                                                                                                                               |   | REV.                 |                            |  |
| 5 ISSUED FOR FINAL REVIEW – UTILITIES MAR/23 TP |  |  | 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                        |  |  | SK                                           |  |                                                                                                                                                                                                                                   |                                                  | SCALE HOR 1:200<br>VER: 1:50                                                                                                                 |   | REF. No. KING STREET |                            |  |
| 4 REISSUED ROC WATERMAIN DWGS MAR/23 TP         |  |  | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                             |  |  | SK                                           |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              |   | DWG No.              |                            |  |
| 3 IFR – AFTER COMPLETE ROAD REDESIGN AUG/22 TP  |  |  | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | SK                                           |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              |   | 16-014 - PP17        |                            |  |
| 2 ISSUED TO UTILITIES MAY/21 TP                 |  |  | VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                   |  |  | APPROVED BY                                  |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              | 5 |                      |                            |  |
| 1 ISSUED FOR REVIEW DEC/17 JH                   |  |  | DATUM: ----                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |                                              |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              |   |                      |                            |  |
| NO. REVISION                                    |  |  | DATE INIT.                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17 |  |                                                                                                                                                                                                                                   |                                                  |                                                                                                                                              |   |                      |                            |  |



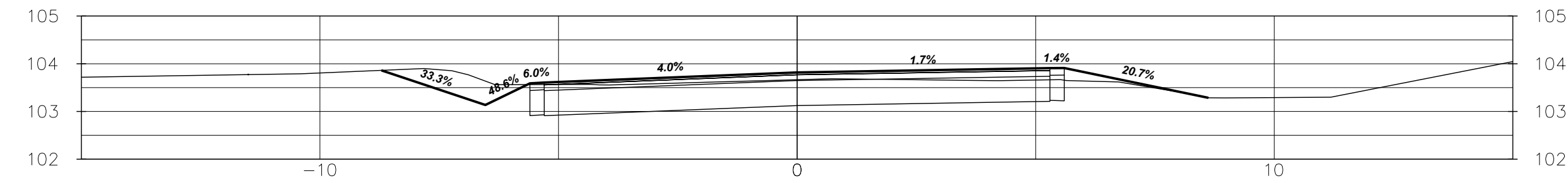


|                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |                 |  |                                                               |  |                                    |  |                                                                                                                                         |  |                                   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------|--|---------------------------------------------------------------|--|------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>NOTES/LEGEND</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | <b>DRAFTING</b> |  | <b>KERRY T. HOWE ENGINEERING LTD.</b>                         |  | <b>Niagara Region PUBLIC WORKS</b> |  | <b>LINCOLN AVENUE ROAD RECONSTRUCTION AND WATERMAIN REPLACEMENT GREENLANE TO LINCOLN AVENUE TOWN OF LINCOLN Sta. 5+980 - Sta. 6+040</b> |  | <b>CONSULTANT FILE No. 16-014</b> |  |
| 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  |  | TP              |  | CONSULTING ENGINEER                                           |  | DATE                               |  | MAR, 2023                                                                                                                               |  | DATE                              |  |
| 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                        |  |  |  | SK              |  | 98 Church Street<br>St. Catharines, Ontario<br>(905) 688-6550 |  | SCALE                              |  | HOR 1:200<br>VER: 1:50                                                                                                                  |  | SCALE                             |  |
| 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                                                                                                                                               |  |  |  | CHECKED BY      |  |                                                               |  | REF. No.                           |  | KING STREET                                                                                                                             |  | REF. No.                          |  |
| <b>BENCHMARK</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  | SK              |  |                                                               |  | DWG No.                            |  |                                                                                                                                         |  | DWG No.                           |  |
| VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | APPROVED BY     |  |                                                               |  | REV.                               |  |                                                                                                                                         |  | REV.                              |  |
| DATUM: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                 |  |                                                               |  | 16-014 - PP19                      |  |                                                                                                                                         |  | 5                                 |  |
| GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                 |  |                                                               |  |                                    |  |                                                                                                                                         |  |                                   |  |

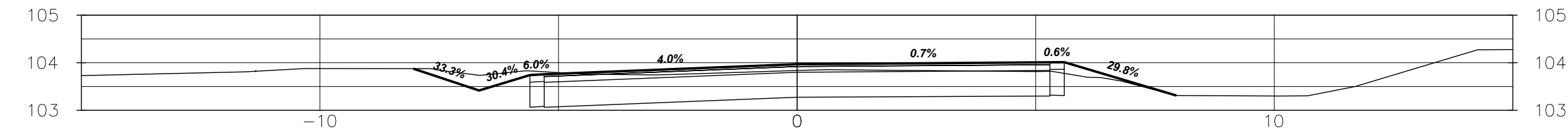
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|-----|-------------------------------------|--------|-------|
| NO. | REVISION                            | DATE   | INTD. |
| 5   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1   | ISSUED FOR REVIEW                   | DEC/17 | JH    |



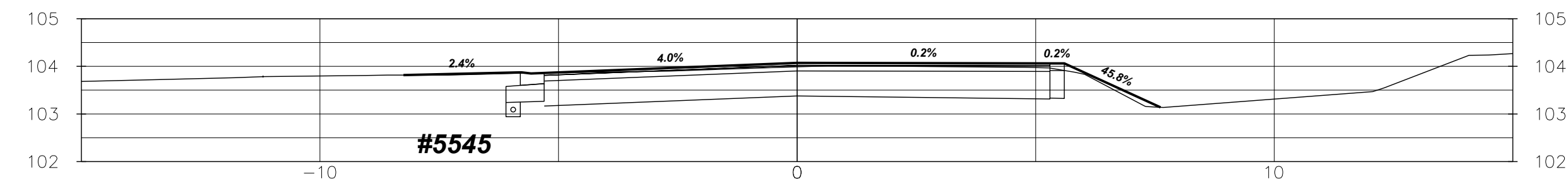
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|-------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|
| ----- |  |  | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  | <div>DRAFTING</div> <div>TP</div> <div>DESIGN</div> <div>SK</div> <div>CHECKED BY</div> <div>SK</div> <div>APPROVED BY</div> |  | <div>KERRY T. HOWE ENGINEERING LTD.</div> <div>CONSULTING ENGINEERS</div> <div>88 Church Street</div> <div>St. Catharines, Ontario</div> <div>(905) 688-6550</div> | <div>Niagara  Region</div> <div>PUBLIC WORKS</div> | <div>KING STREET</div> <div>ROAD RECONSTRUCTION</div> <div>AND WATERMAIN REPLACEMENT</div> <div>GREENLANE TO LINCOLN AVENUE</div> <div>TOWN OF LINCOLN</div> <div>CROSS SECTIONS</div> | CONSULTANT FILE No. 16-014   |  |
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| ----- |  |  | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THE DRAWING ARE NOT CREATED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                                |  |  |                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                         |                                                                                                                                                                                        | REF. No. <u>KING STREET</u>  |  |
| ----- |  |  | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                         |                                                                                                                                                                                        | DWG No.                      |  |
| NO.   |  |  | REVISION                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  | DATE                                                                                                                         |  | INITI.                                                                                                                                                             |                                                                                                                                         | REV.                                                                                                                                                                                   |                              |  |
|       |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                         | 16-014 - XS1                                                                                                                                                                           |                              |  |
|       |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |                                                                                                                              |  |                                                                                                                                                                    |                                                                                                                                         | 5                                                                                                                                                                                      |                              |  |



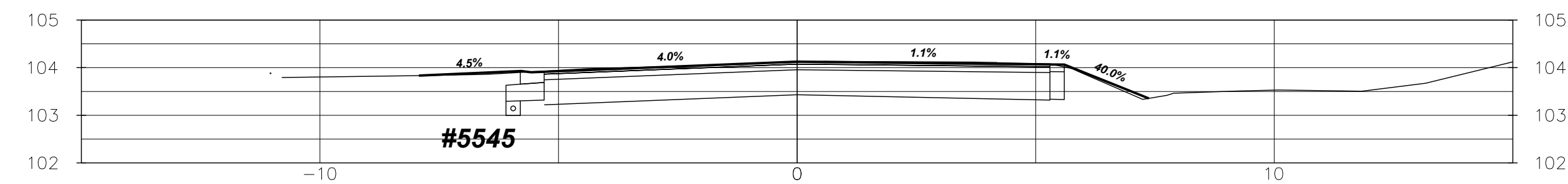
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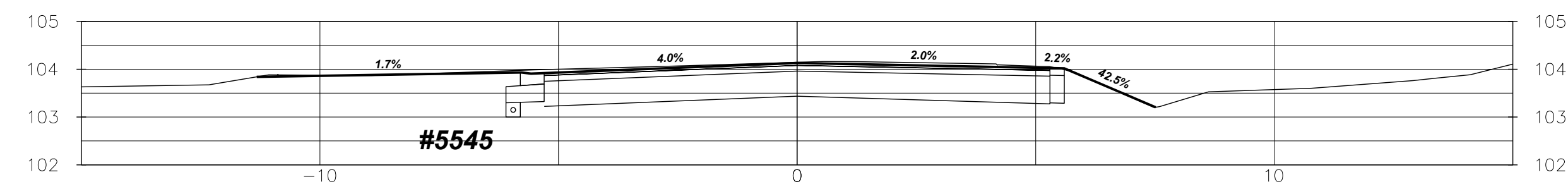
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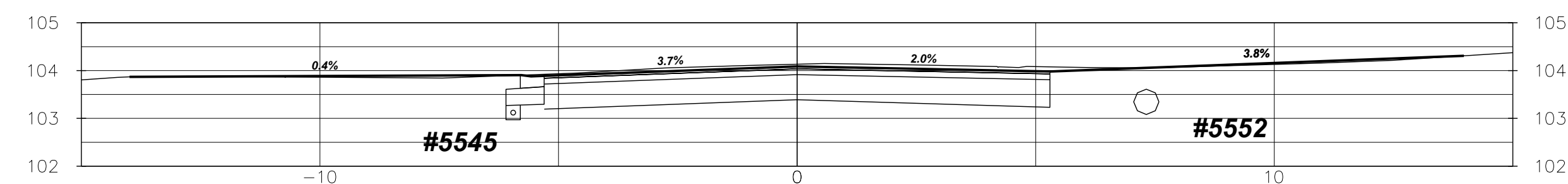
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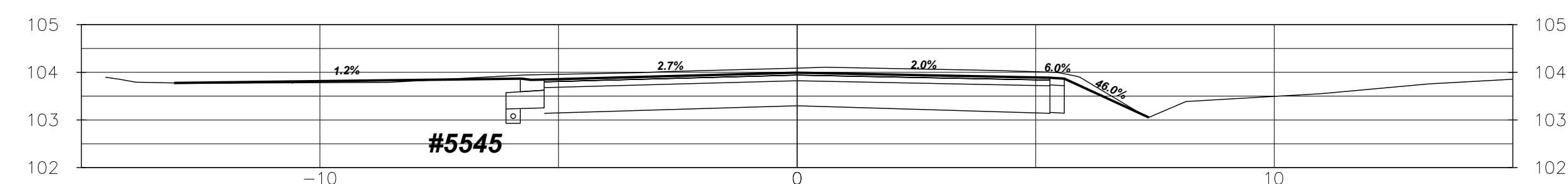
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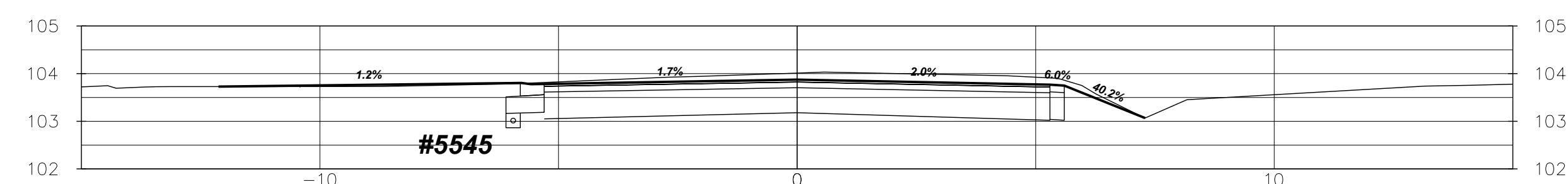
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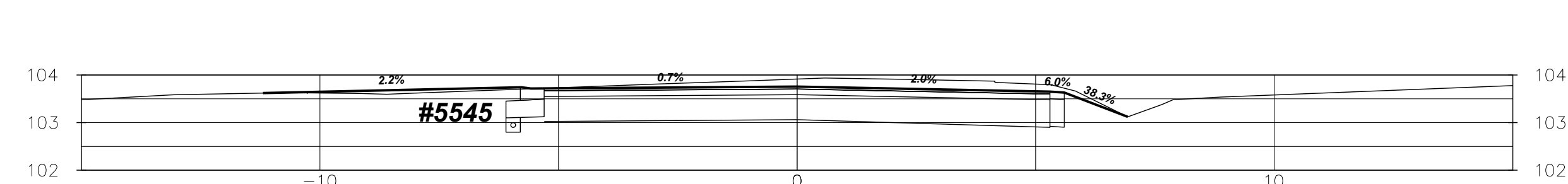
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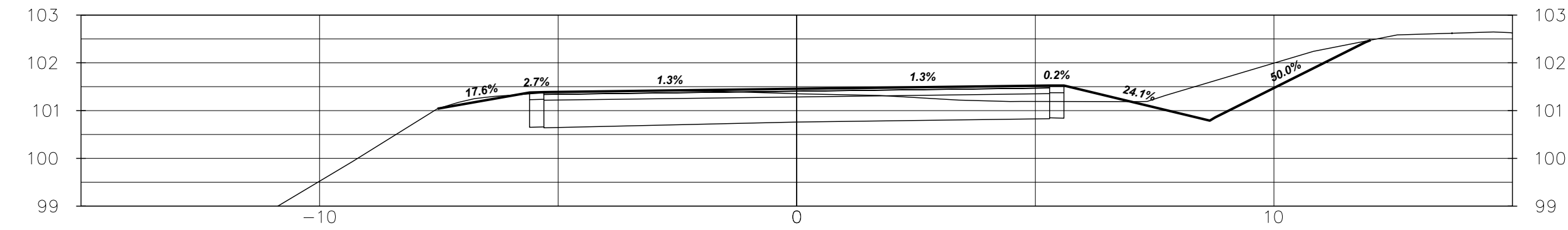
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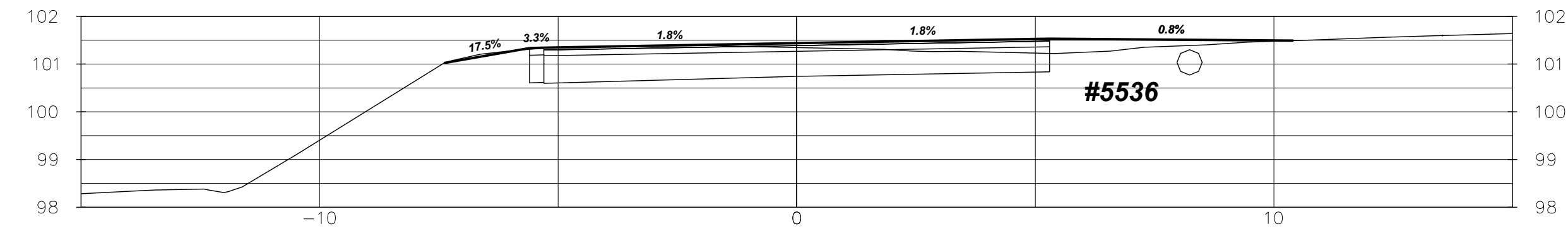
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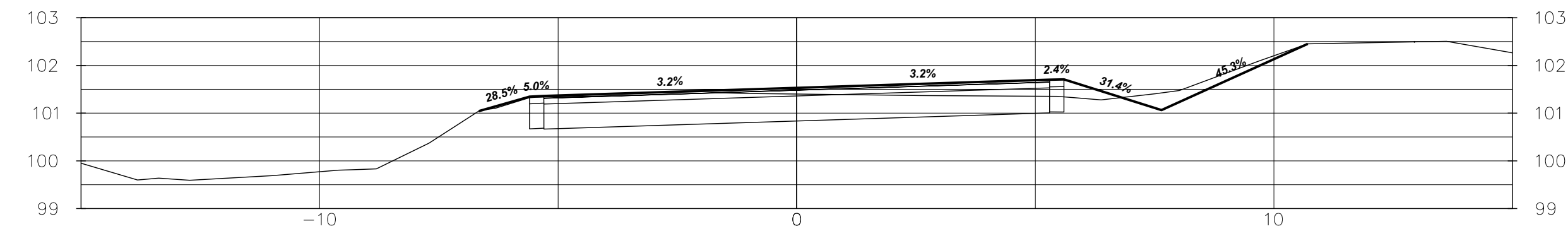
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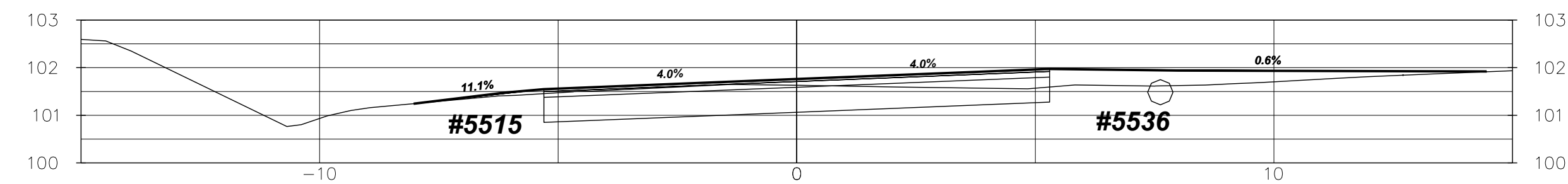
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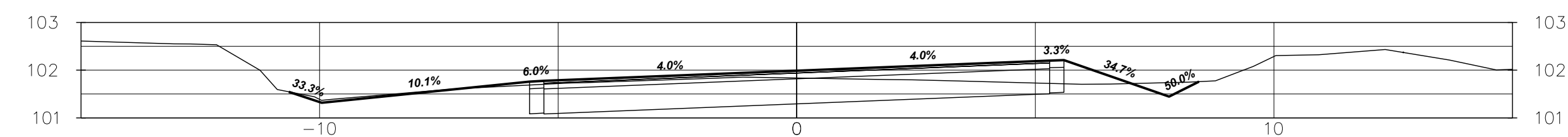
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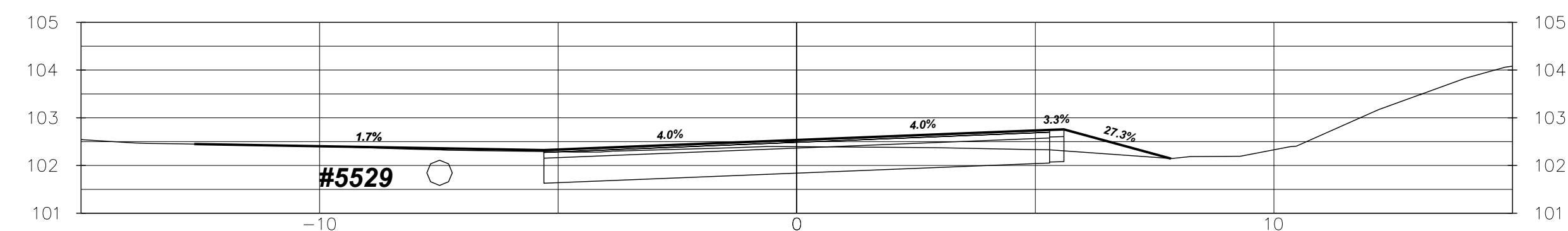
1+380



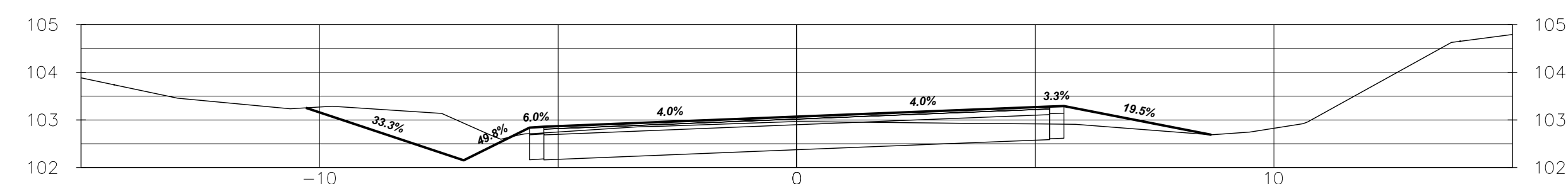
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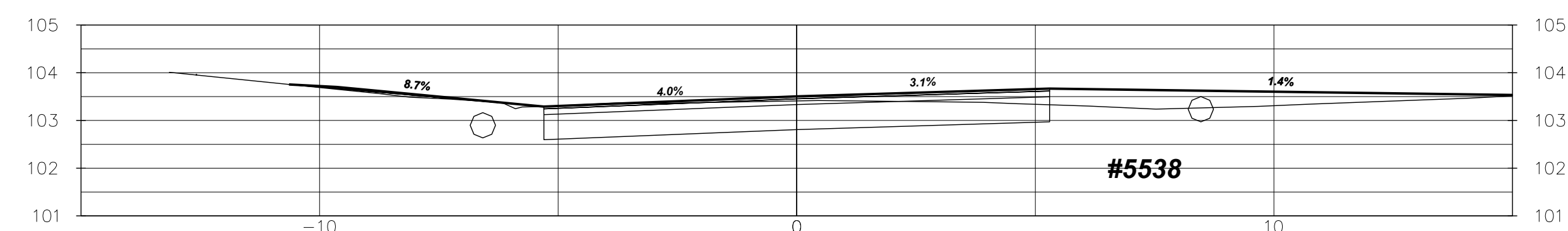
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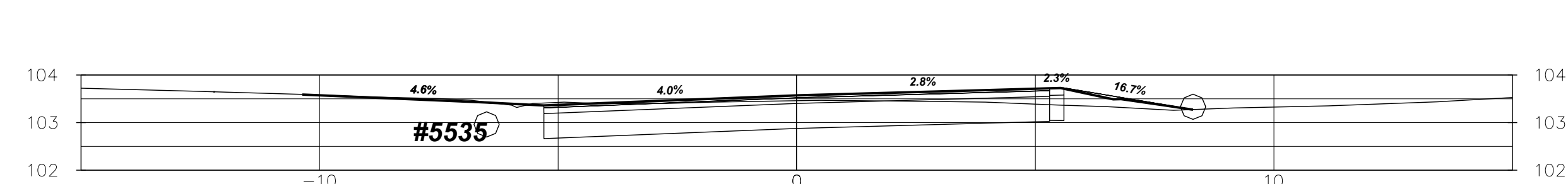
1+345



1+330



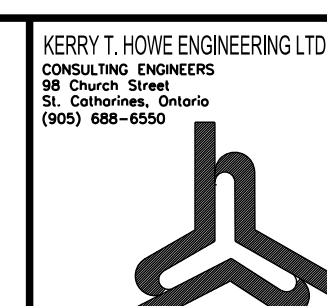
1+314.80



1+312

|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |        |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------|-------|
| NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |        |       |
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| BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |        |       |
| VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |        |       |
| DATUM: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |        |       |
| GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |        |       |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REVISION                            | DATE   | INIT. |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED FOR REVIEW                   | DEC/17 | JH    |

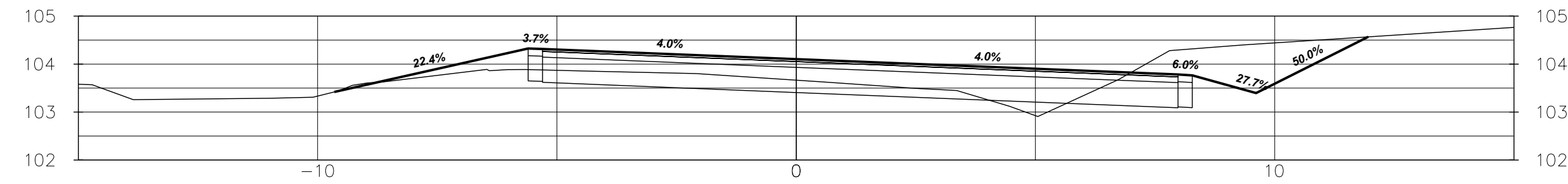
|             |    |
|-------------|----|
| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |



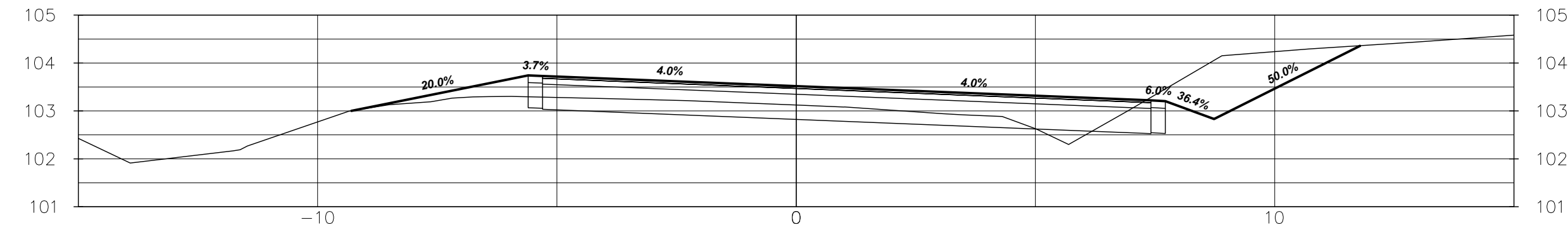
Niagara Region  
PUBLIC WORKS

KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS

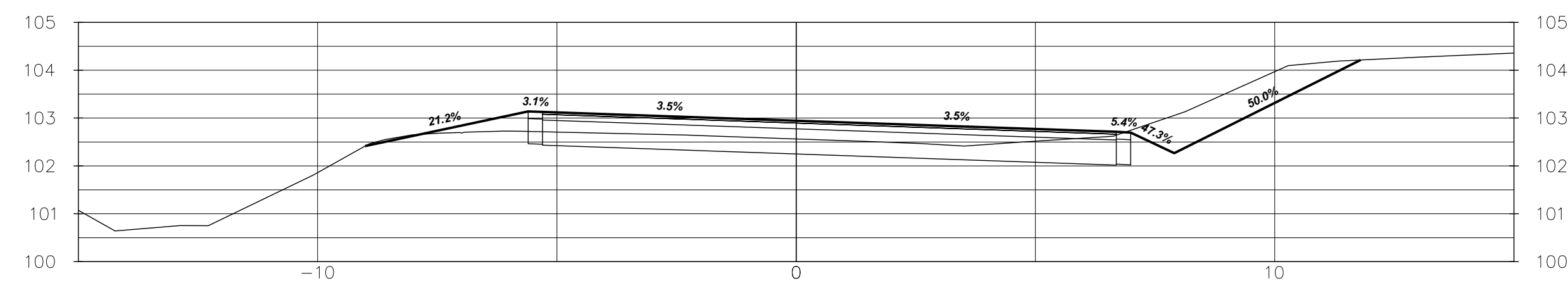
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| CONSULTANT FILE No. 16-014 |                        |
| DATE                       | MAR, 2023              |
| SCALE                      | HOR 1:200<br>VER: 1:50 |
| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS2           |
| REV.                       | 5                      |



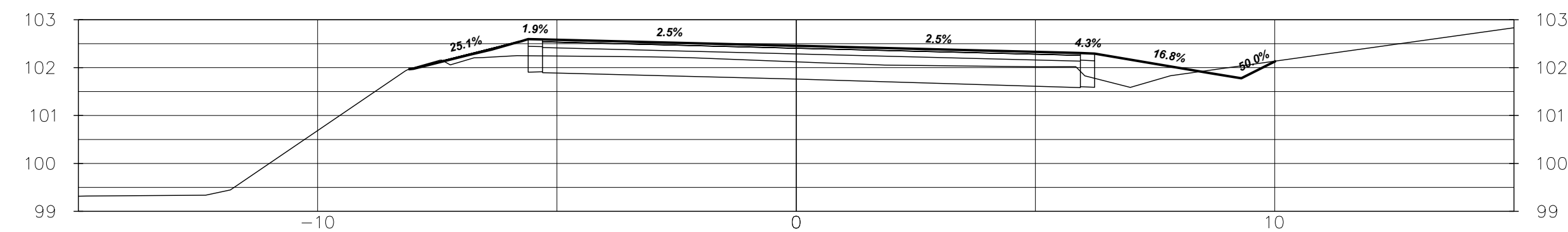
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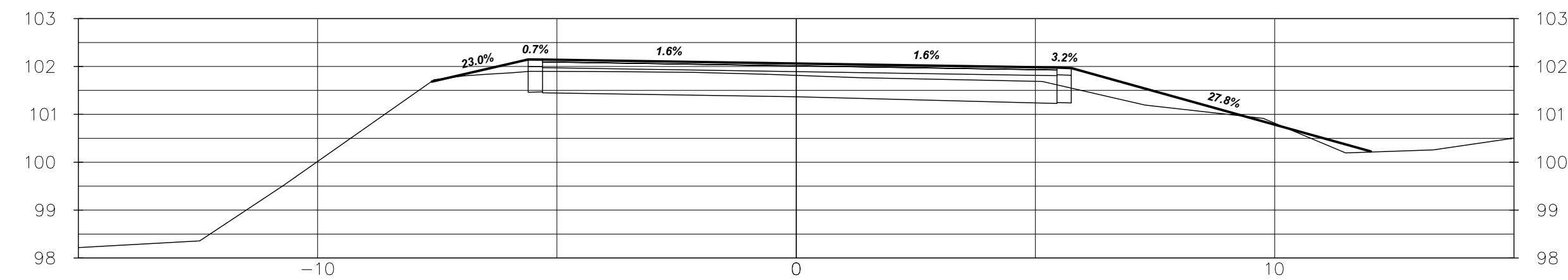
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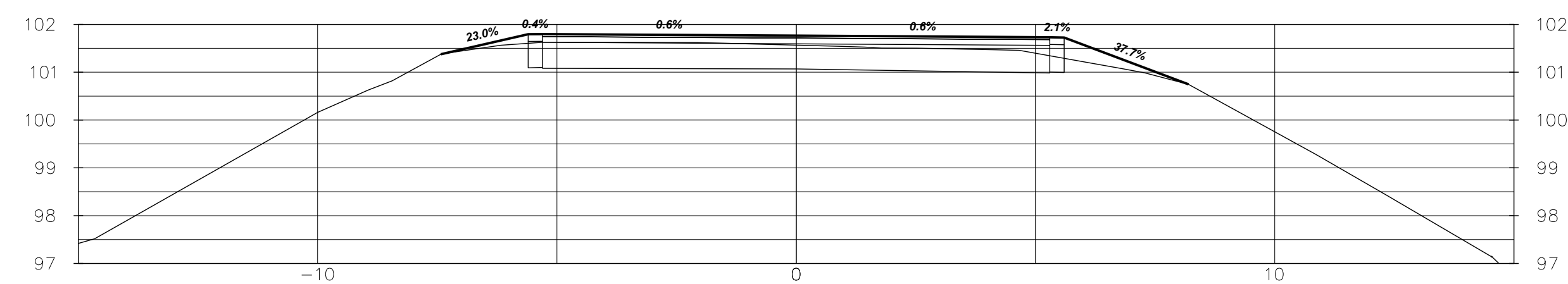
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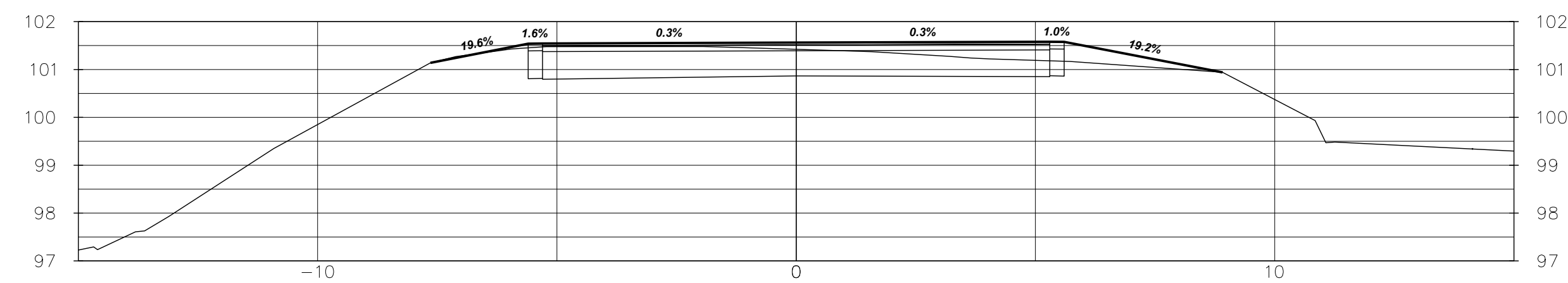
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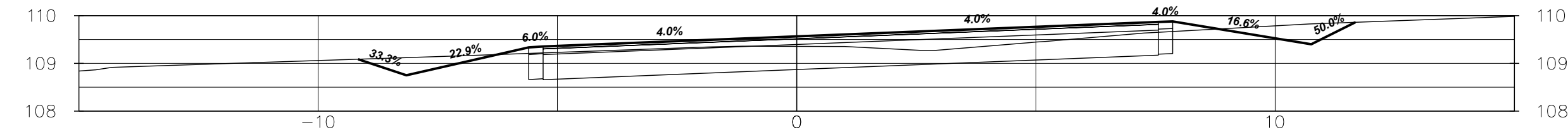
1+430



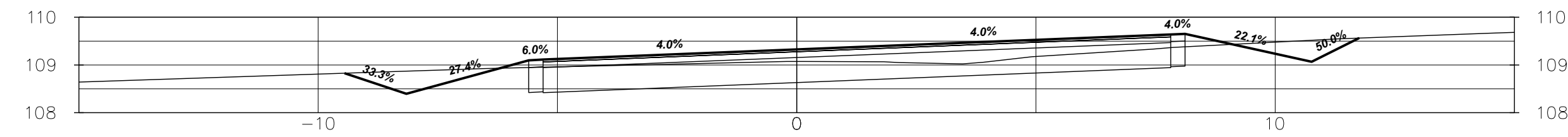
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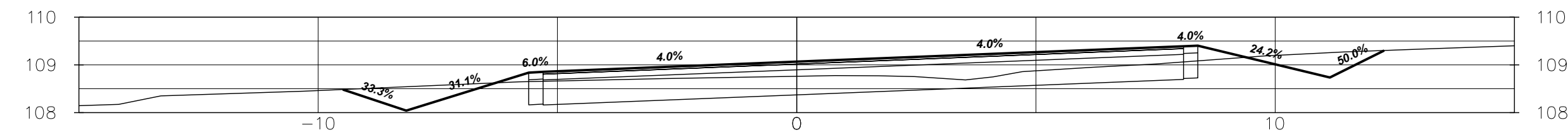
1+410



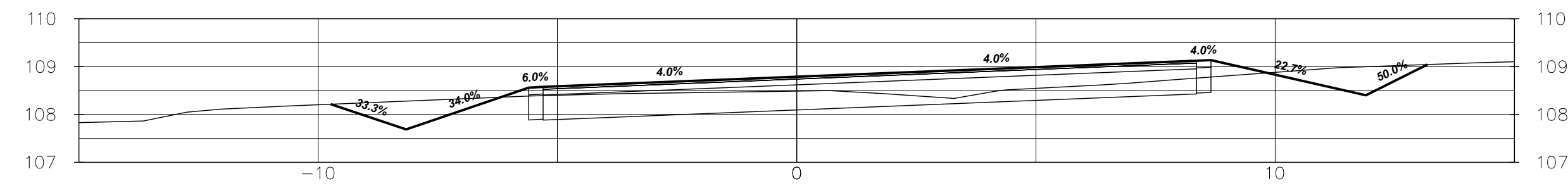
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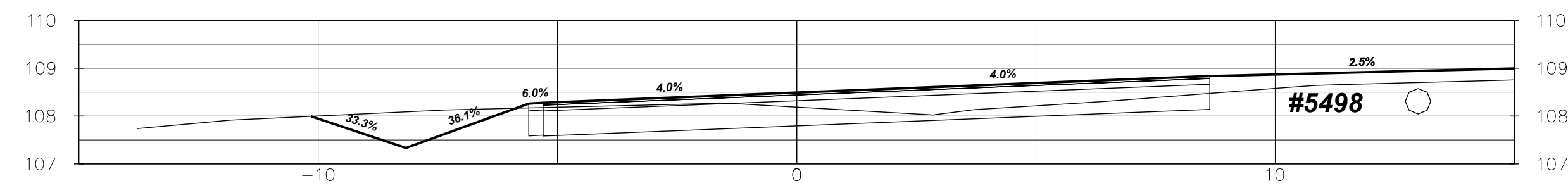
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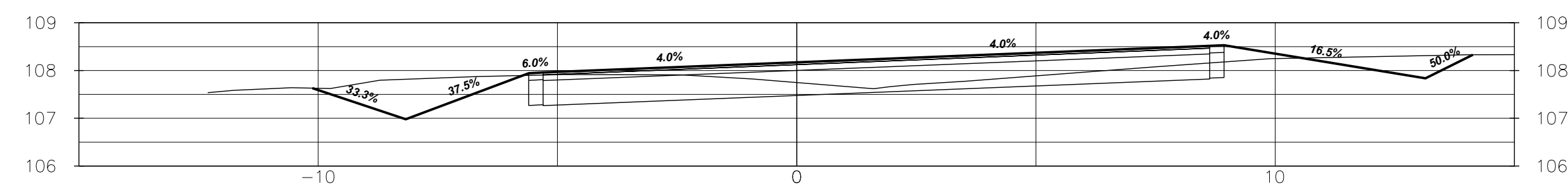
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1+580

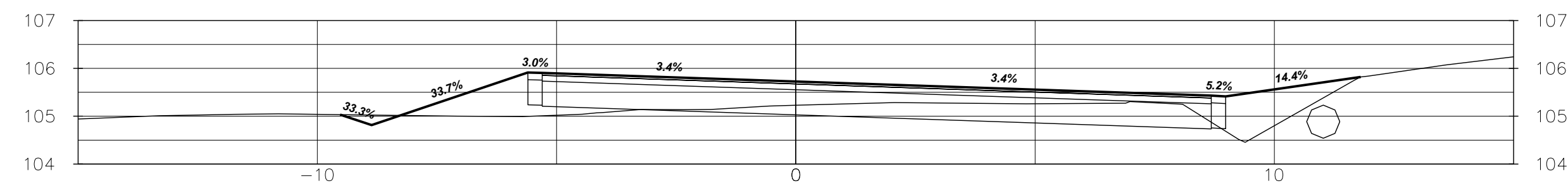


1+570

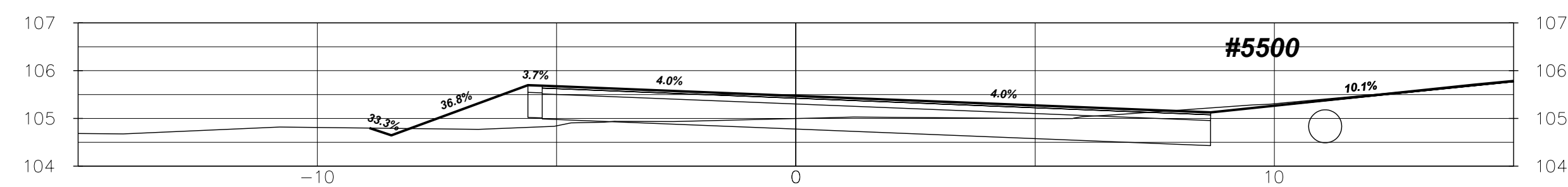


1+560

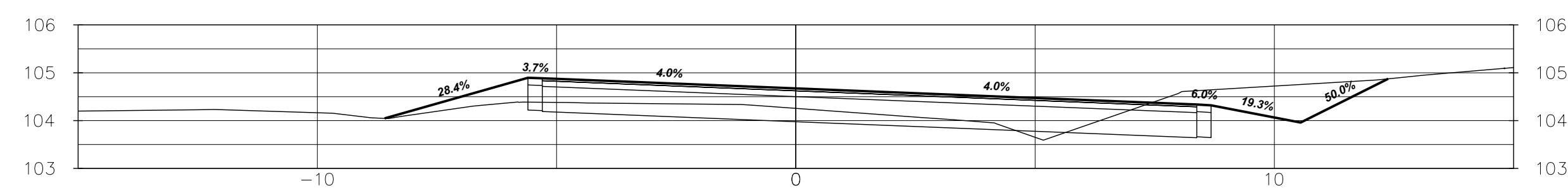
THROUGH INTERSECTION  
SUPERELEVATION TRANSITION



1+500



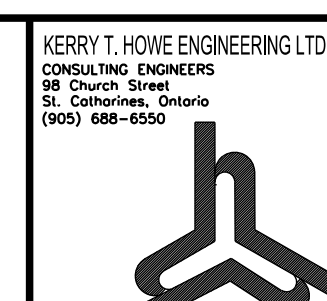
1+495



1+480

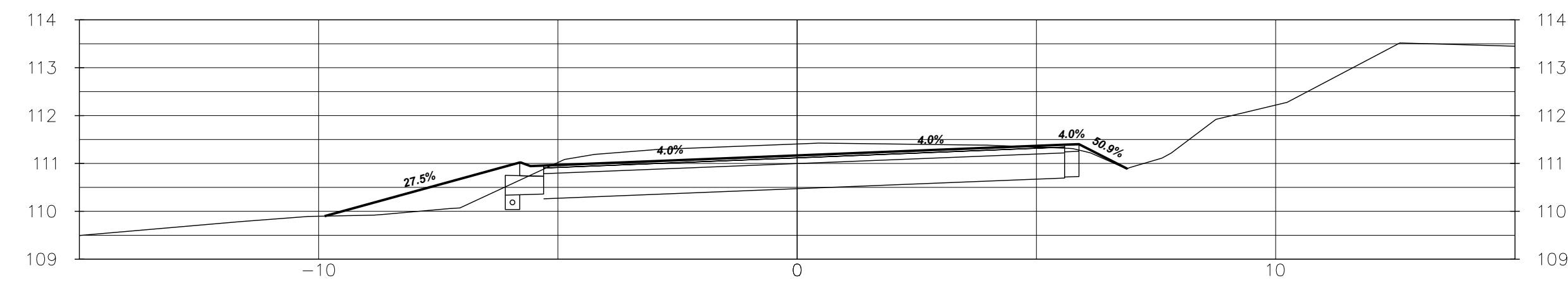
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|-----|-------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                                     |        | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                          |
|     |                                     |        | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |                                                                                                                                                                                                                                                                                                                                          |
| 5   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                            |
| 4   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE. |
| 3   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BENCHMARK                                                                                                                                                                                                                                                                                                                                |
| 2   | ISSUED TO UTILITIES                 | MAY/21 | TP                                                                                                                                                                                                                                                                                                                                                                                                                                                   | VERTICAL MONUMENT: ----                                                                                                                                                                                                                                                                                                                  |
| 1   | ISSUED FOR REVIEW                   | DEC/17 | JH                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ELEV. ----                                                                                                                                                                                                                                                                                                                               |
| NO. | REVISION                            | DATE   | INIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                | DATUM: ----                                                                                                                                                                                                                                                                                                                              |
|     |                                     |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ELEV. ----                                                                                                                                                                                                                                                                                                                               |
|     |                                     |        |                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                             |

|             |    |
|-------------|----|
| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |

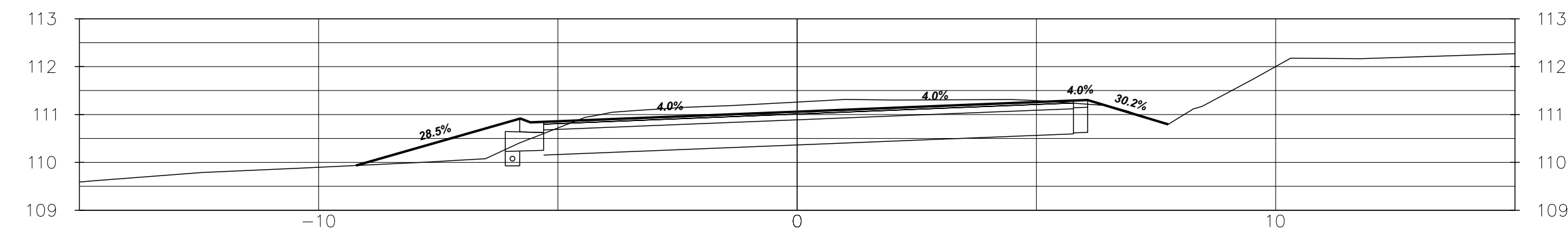


KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS

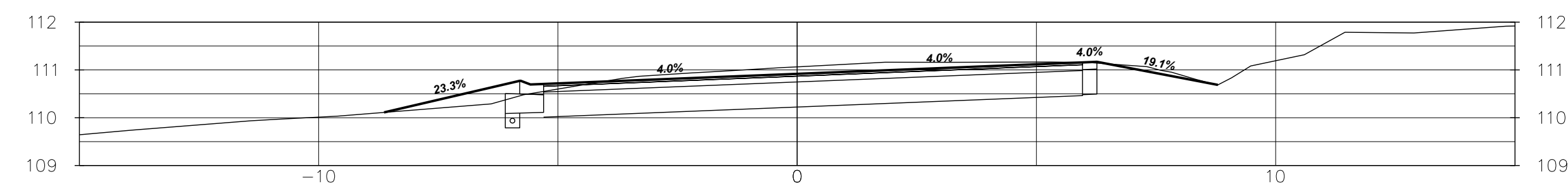
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| CONSULTANT FILE No. 16-014 |                        |
| DATE                       | MAR, 2023              |
| SCALE                      | HOR 1:200<br>VER: 1:50 |
| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS3           |
| REV.                       | 5                      |



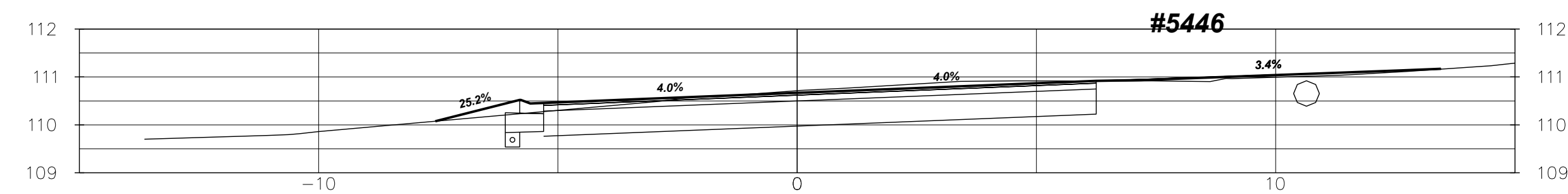
1+700



1+690

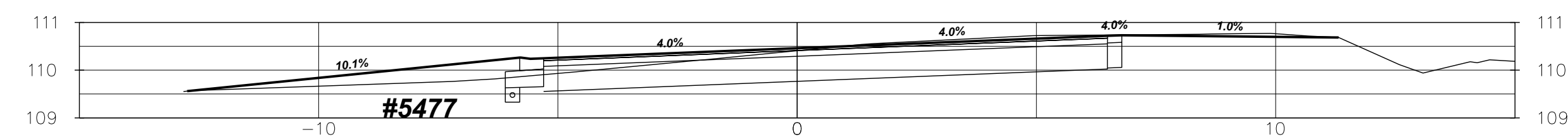


1+680

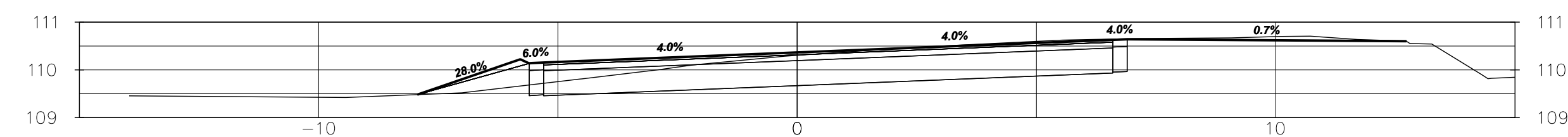


1+666

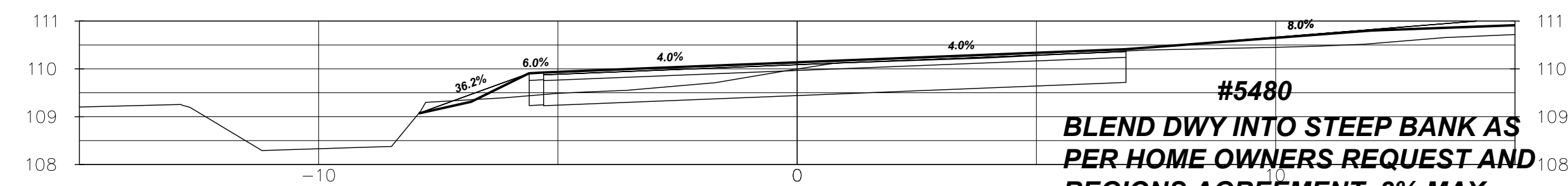
GRADE DWY BACK UNTIL GRADE  
IS 8% OR LESS



1+655

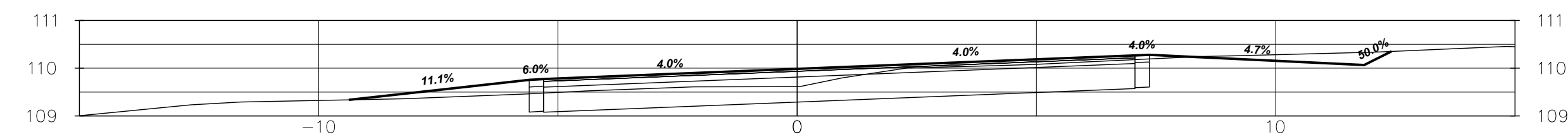


1+650

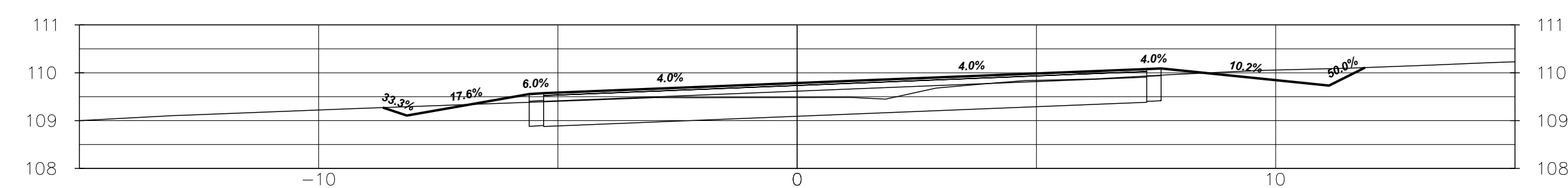


1+638

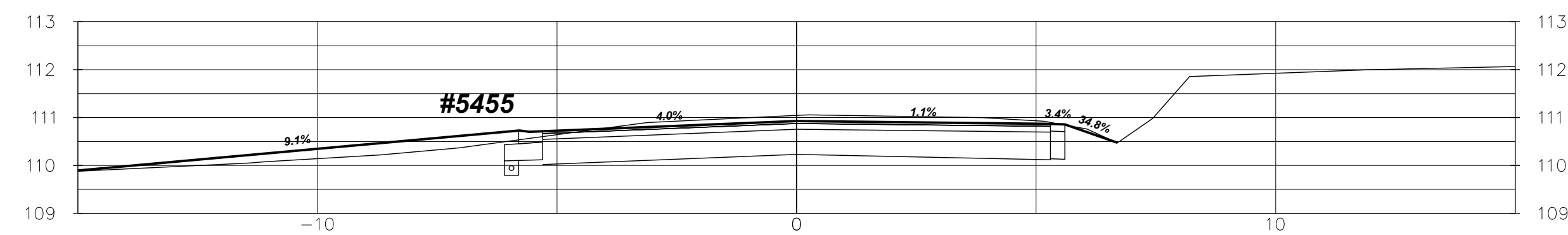
BLEND DWY INTO STEEP BANK AS  
PER HOME OWNERS REQUEST AND  
REGIONS AGREEMENT. 8% MAX.



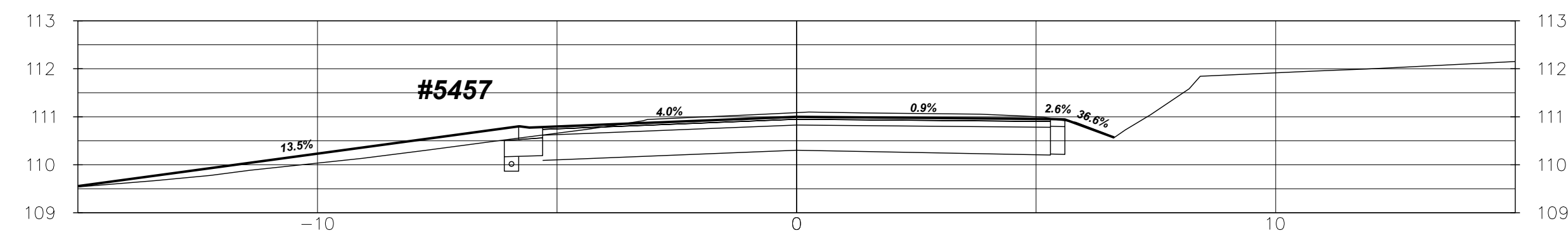
1+630



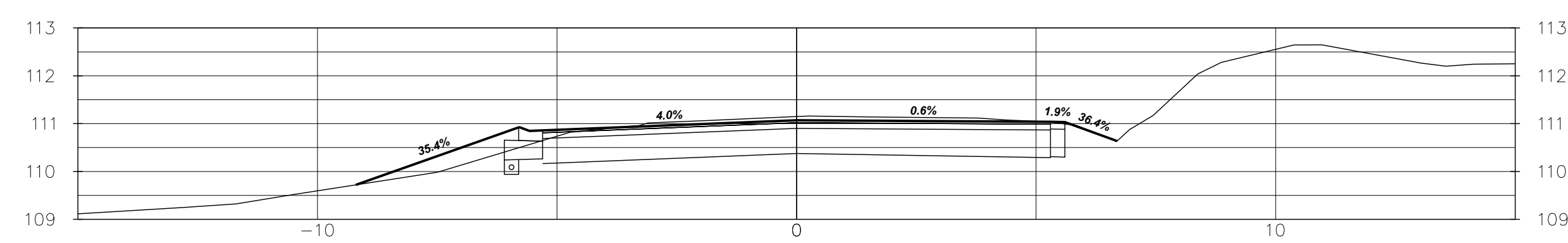
1+620



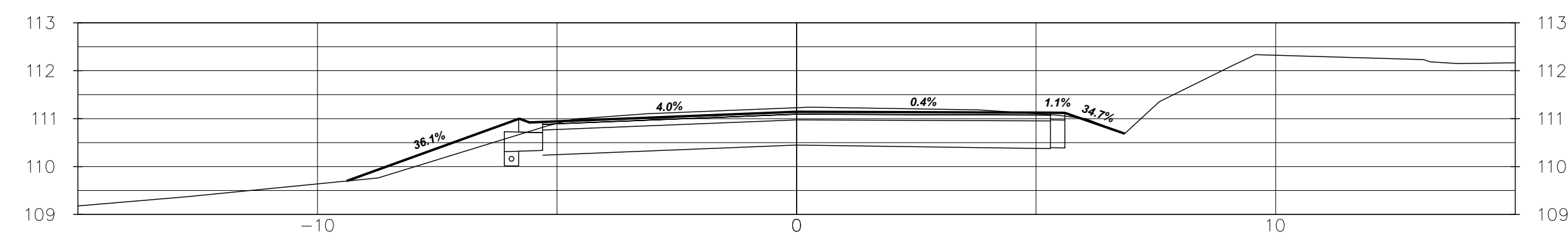
1+790



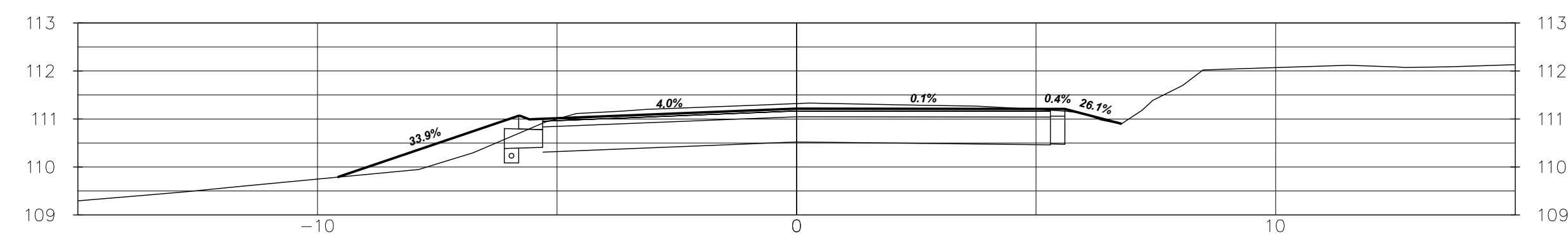
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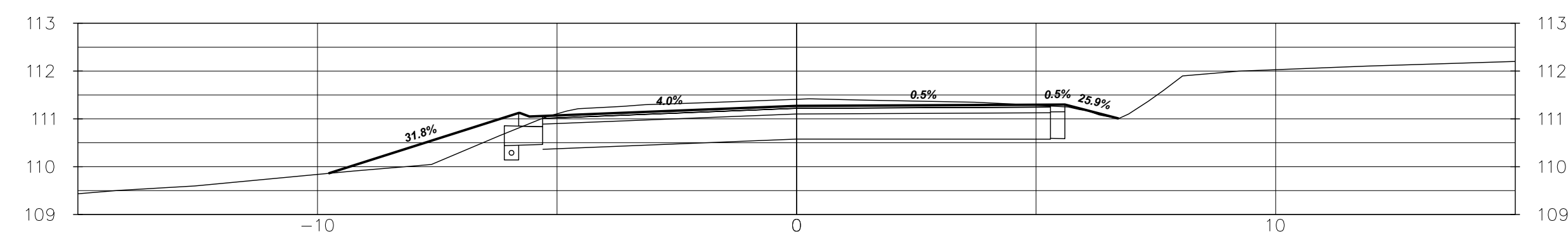
1+770



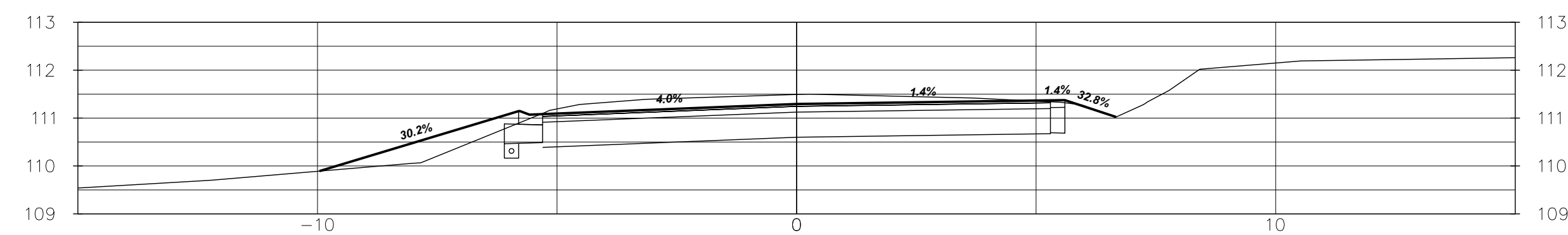
1+760



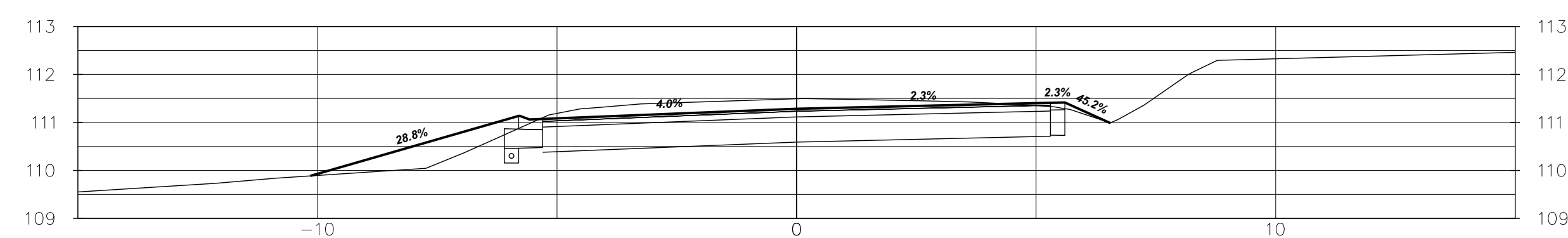
1+750



1+740



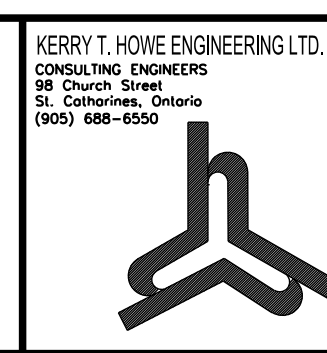
1+730



1+720

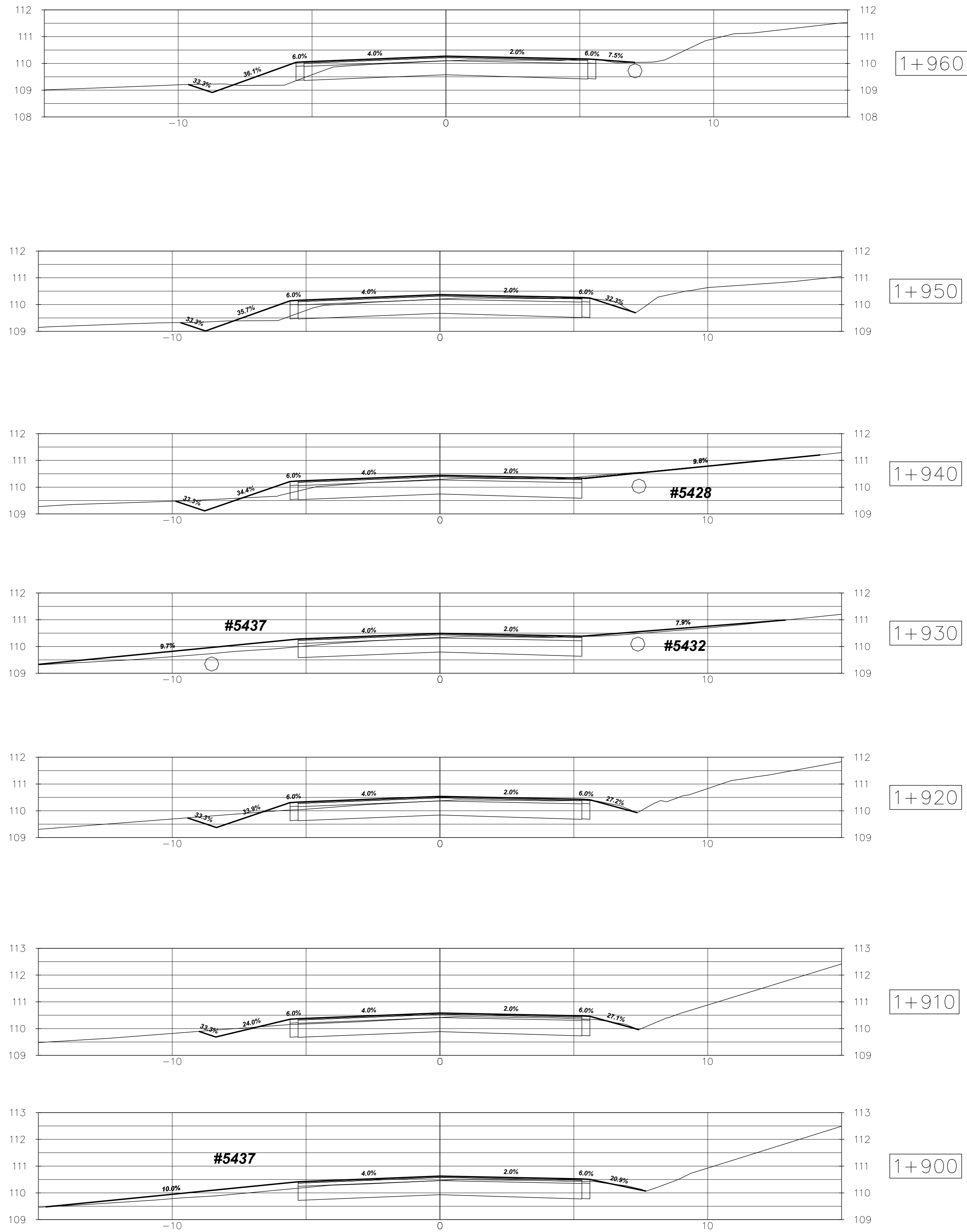
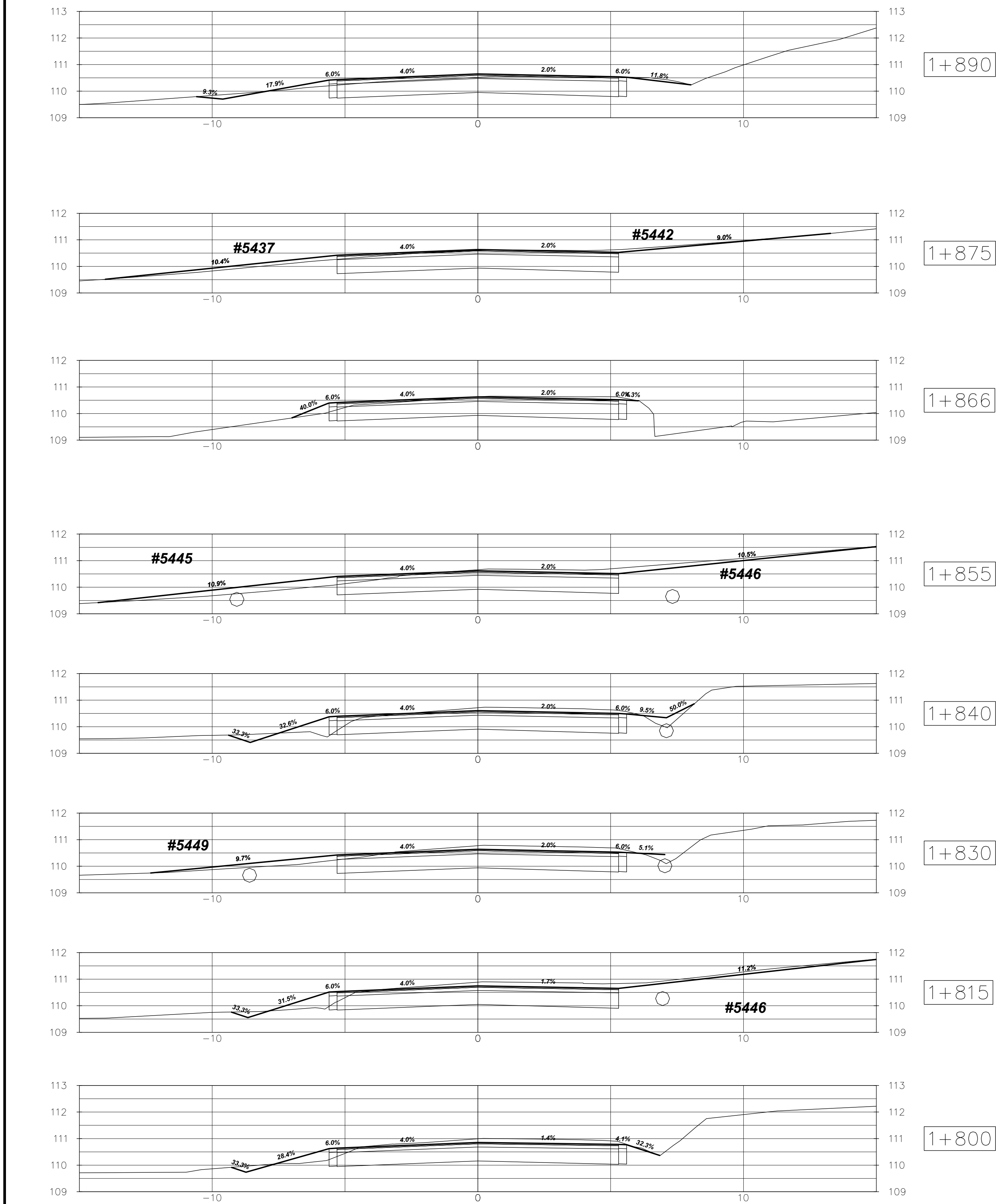
| NOTES/LEGEND |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1            | THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  |
| 2            | PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                                       |  |  |
| 3            | THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                            |  |  |
| 4            | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 5            | VERTICAL MONUMENT: ----                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| 6            | ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| 7            | DATUM: ----                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 8            | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

|             |    |
|-------------|----|
| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |



**KING STREET**  
**ROAD RECONSTRUCTION**  
**AND WATERMAIN REPLACEMENT**  
**GREENLANE TO LINCOLN AVENUE**  
**TOWN OF LINCOLN**  
**CROSS SECTIONS**

|                            |                        |
|----------------------------|------------------------|
| CONSULTANT FILE No. 16-014 |                        |
| DATE                       | MAR, 2023              |
| SCALE                      | HOR 1:200<br>VER: 1:50 |
| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS4           |
| REV.                       | 5                      |



|     |                                     |        |       |
|-----|-------------------------------------|--------|-------|
| 5   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1   | ISSUED FOR REVIEW                   | DEC/17 | JH    |
| No. | REVISION                            | DATE   | INIT. |

NOTES/LEGEND

1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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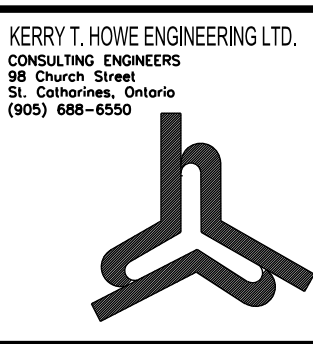
BENCHMARK

VERTICAL MONUMENT: ---- ELEV. ----

DATUM: ----

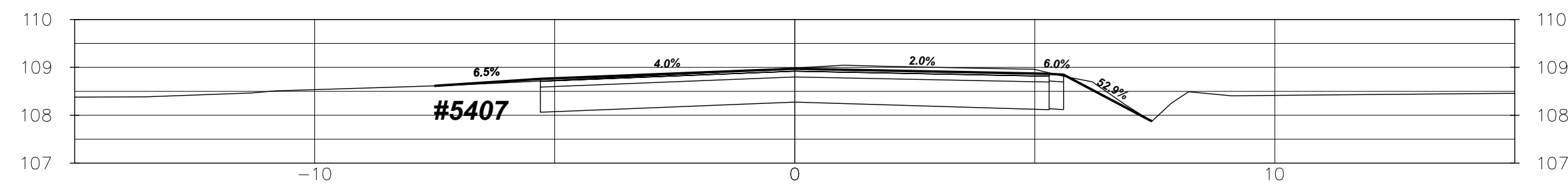
GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17

|             |    |
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| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |

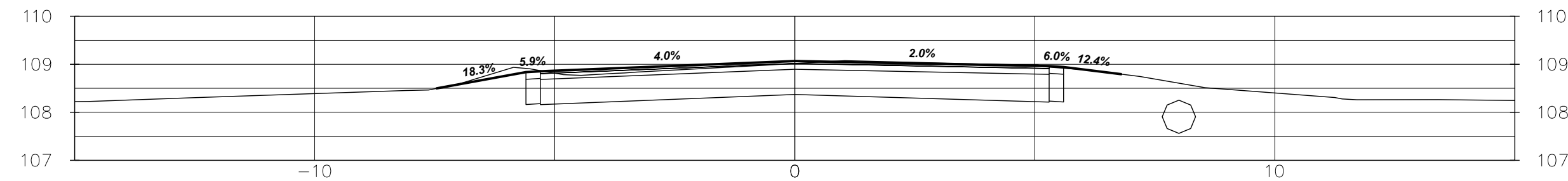


**KING STREET**  
**ROAD RECONSTRUCTION**  
**AND WATERMAIN REPLACEMENT**  
**GREENLANE TO LINCOLN AVENUE**  
**TOWN OF LINCOLN**  
**CROSS SECTIONS**

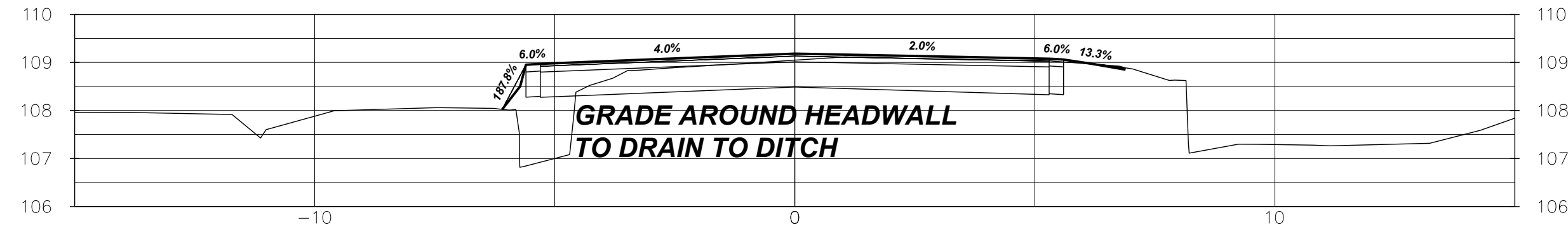
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| CONSULTANT FILE No. 16-014 |
| DATE MAR, 2023             |
| SCALE HOR 1:200            |
| VER: 1:50                  |
| REF. No. KING STREET       |
| DWG No. 16-014 - XS5       |
| REV. 5                     |



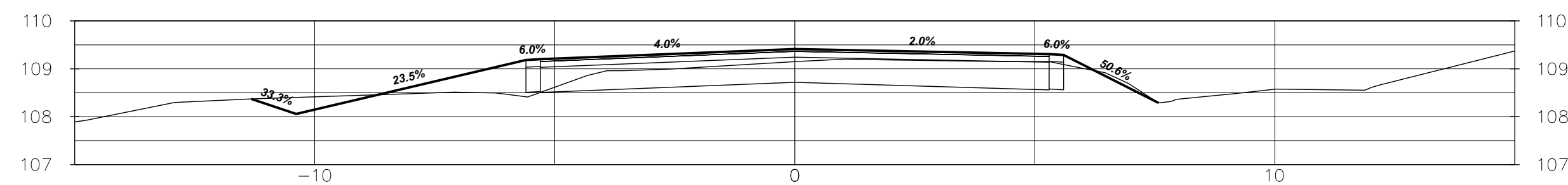
2+040



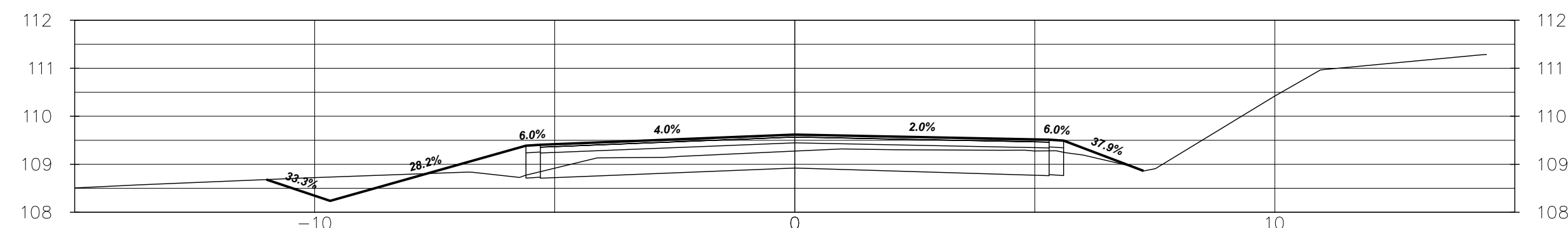
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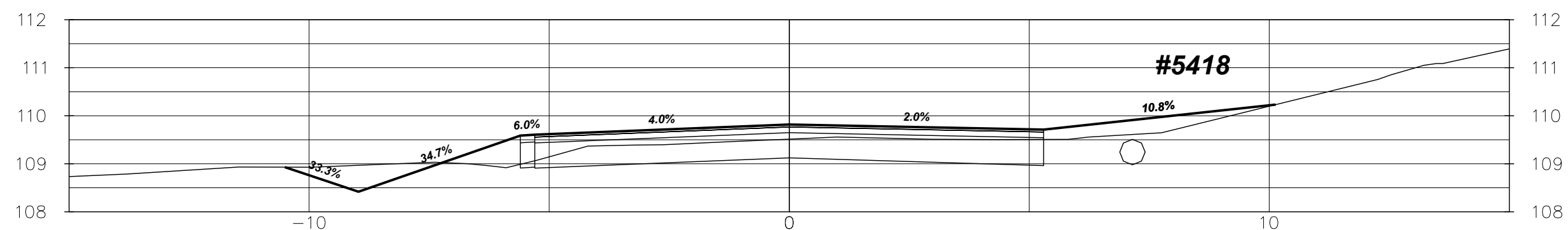
2+022



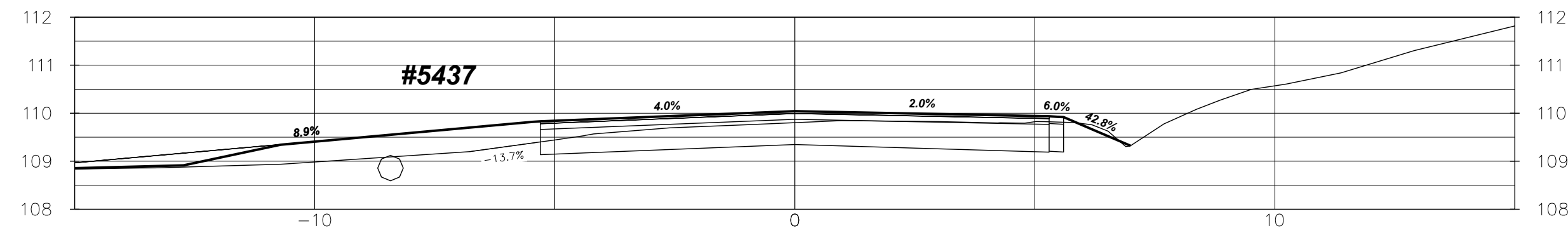
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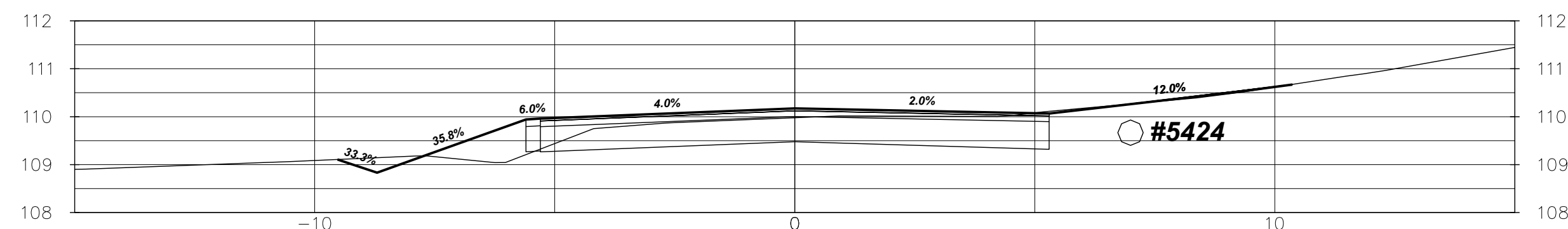
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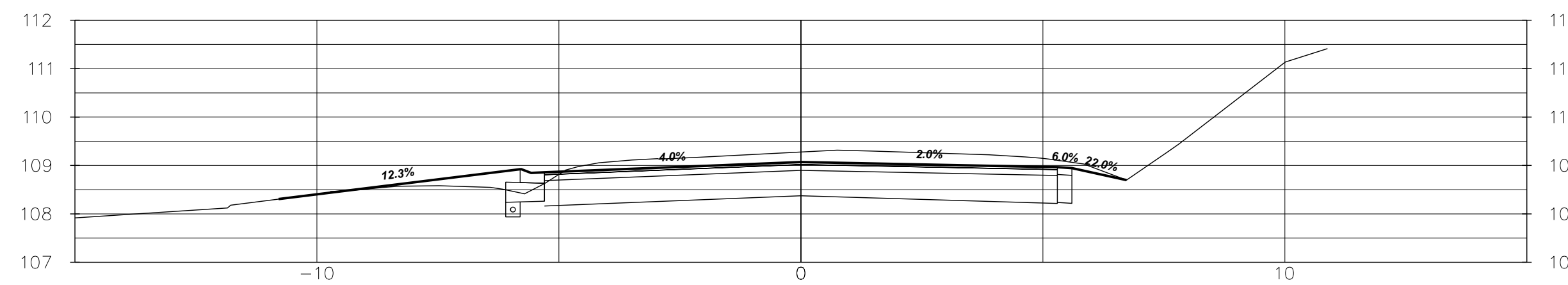
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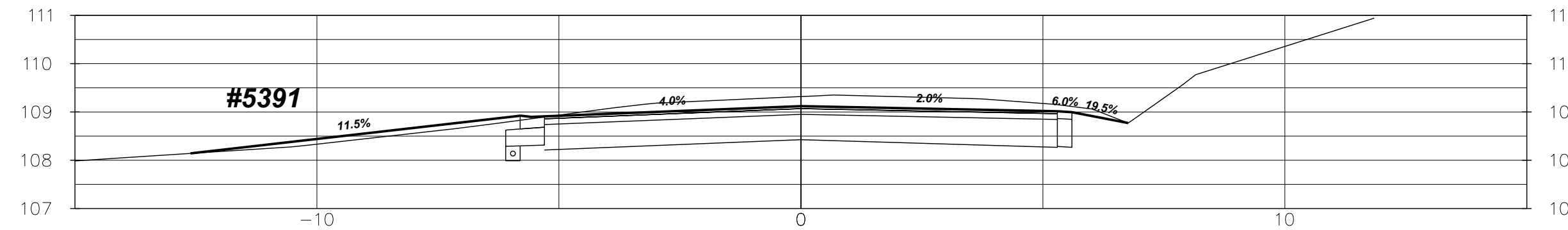
1+977



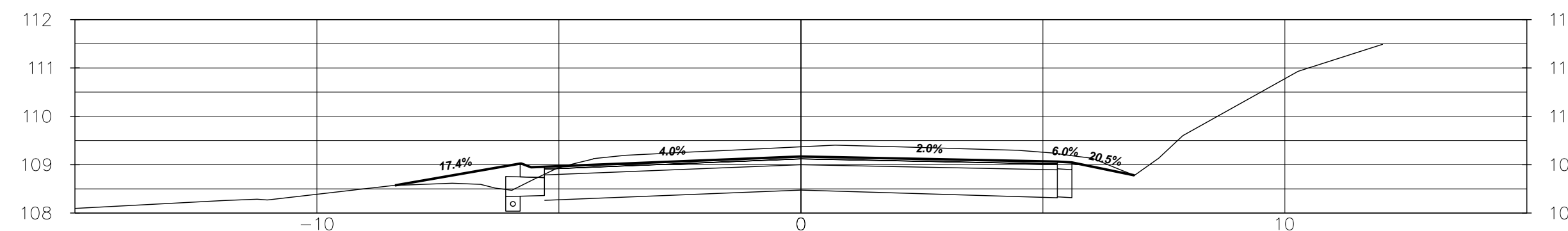
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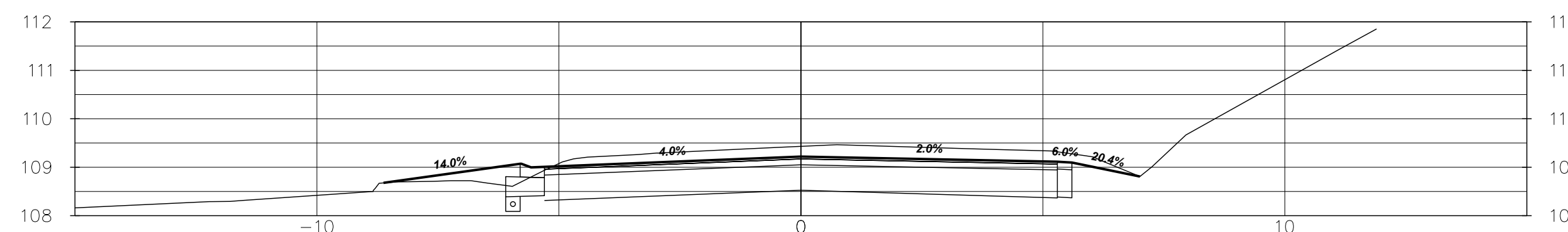
2+175



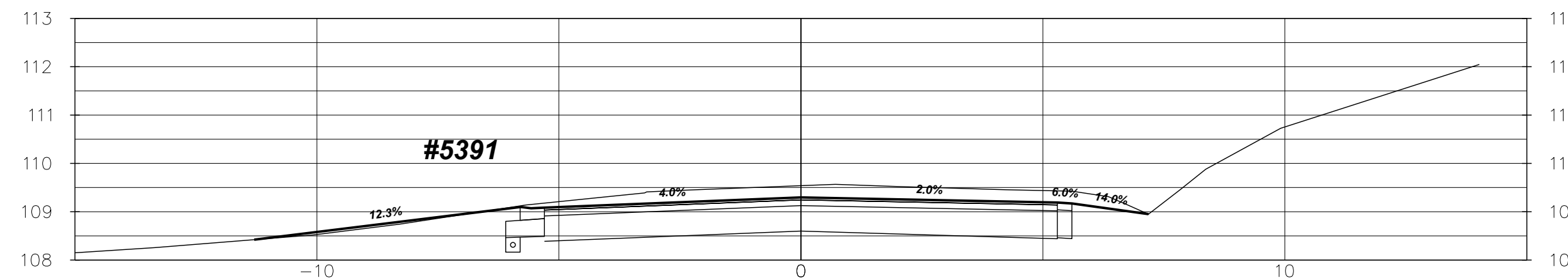
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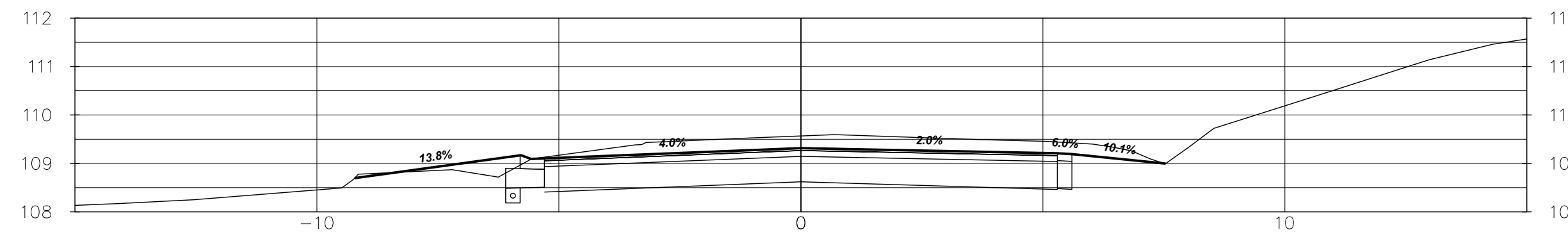
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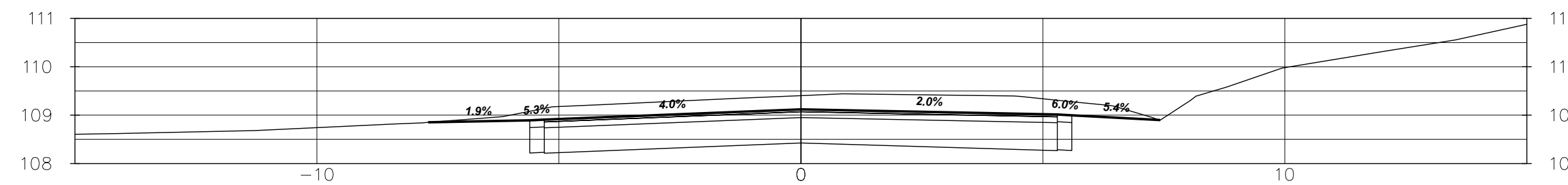
2+145



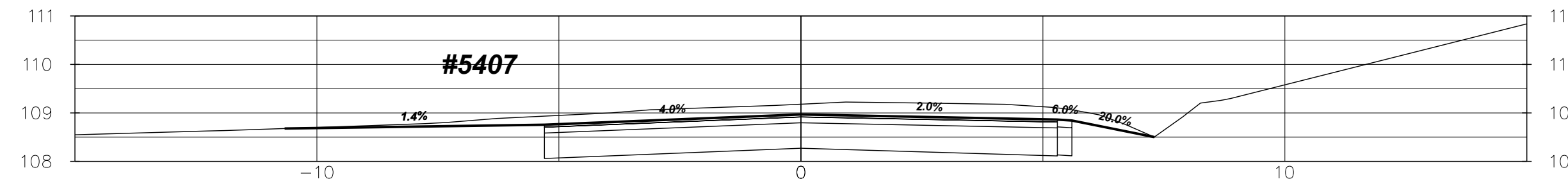
2+130



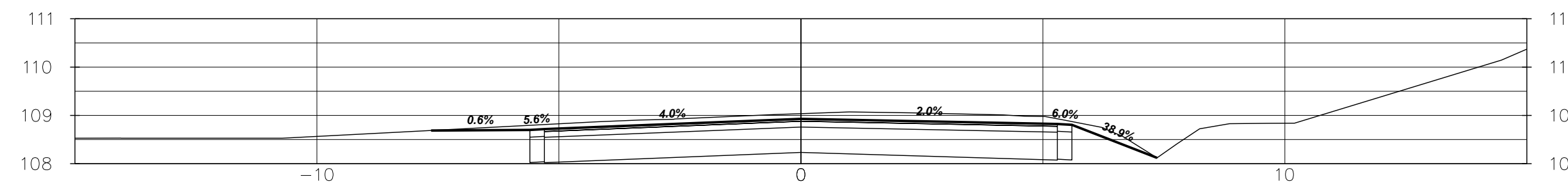
2+125



2+080



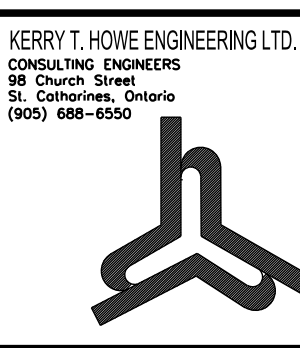
2+065



2+050

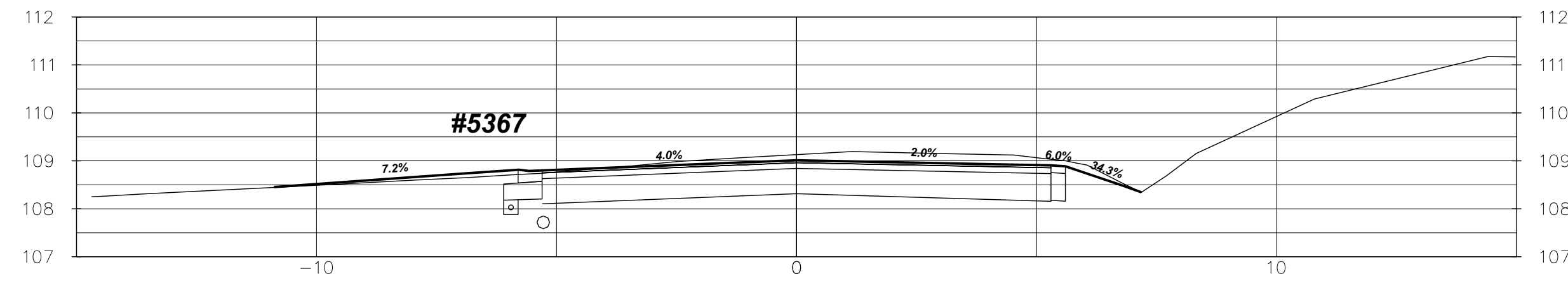
| NOTES/LEGEND |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
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| 4            | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 5            | VERTICAL MONUMENT: ----                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| 6            | ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| 7            | DATUM: ----                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| 8            | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

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| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |

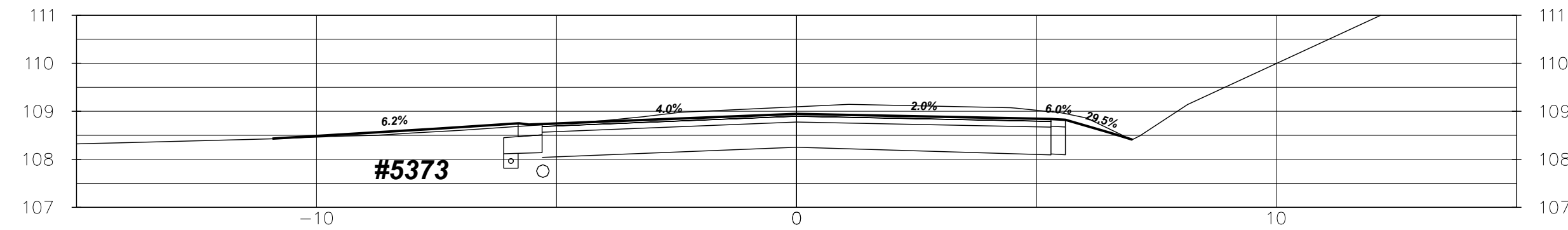


**KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS**

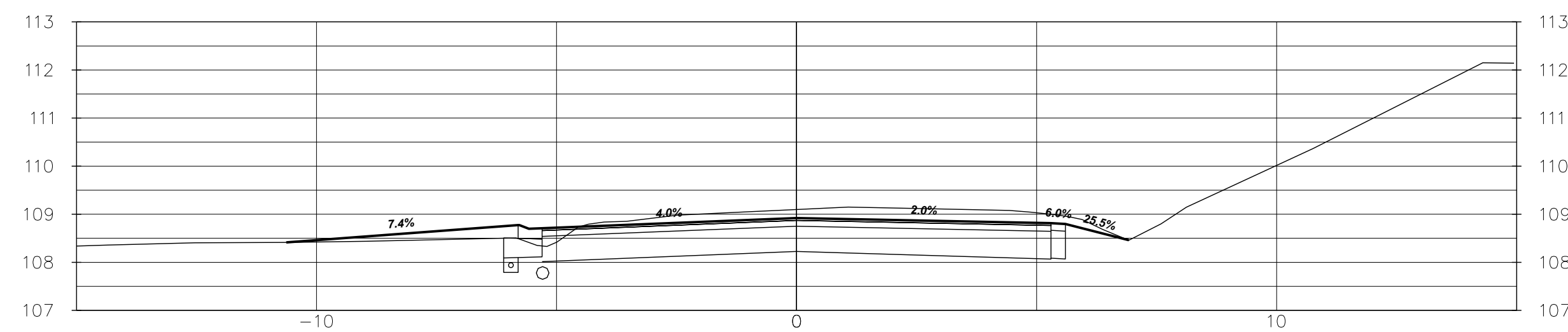
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| CONSULTANT FILE No. 16-014 |                        |
| DATE                       | MAR, 2023              |
| SCALE                      | HOR 1:200<br>VER: 1:50 |
| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS6           |
| REV.                       | 5                      |



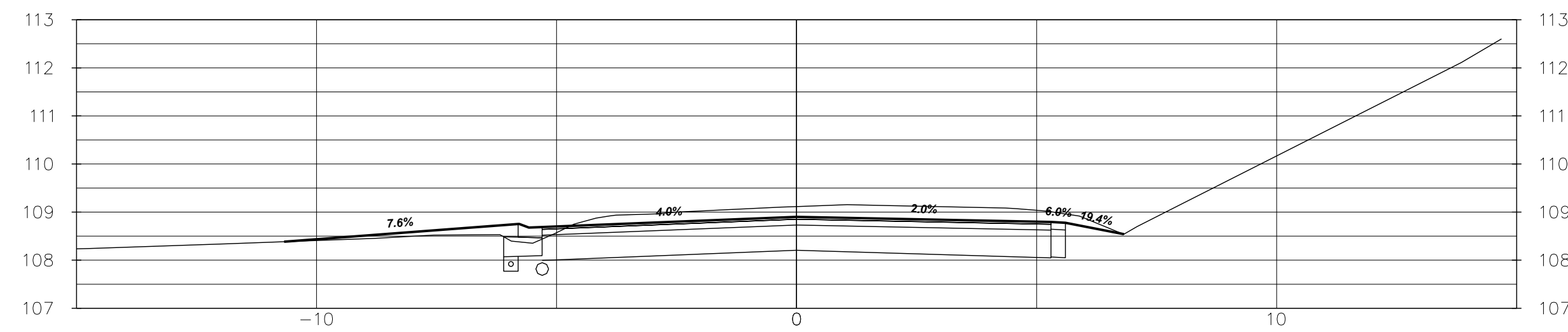
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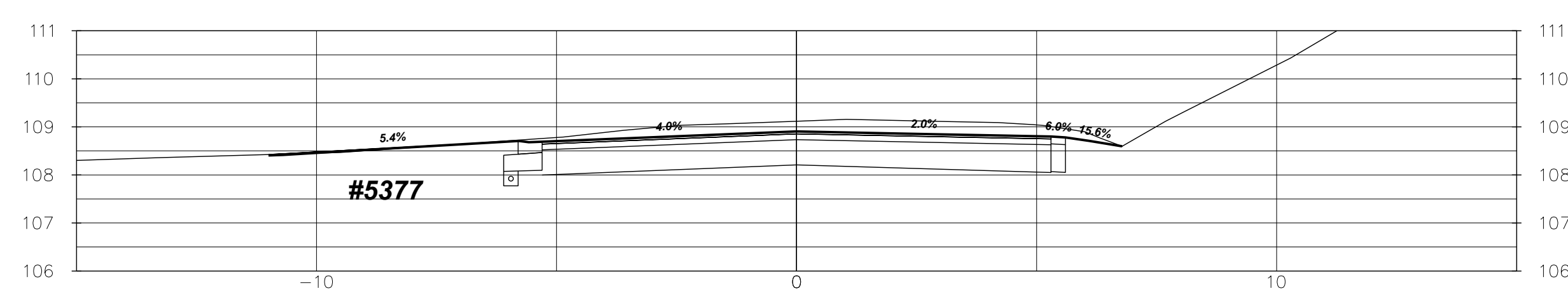
2+236



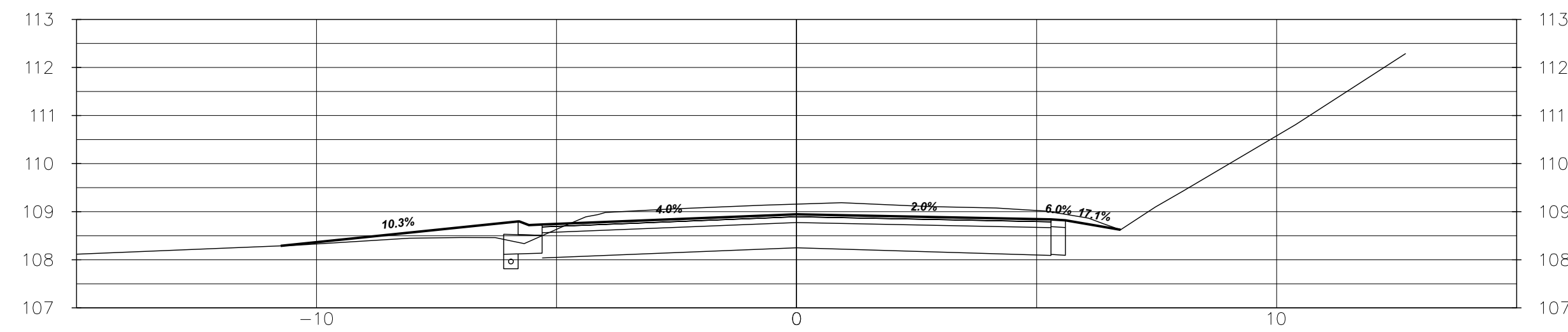
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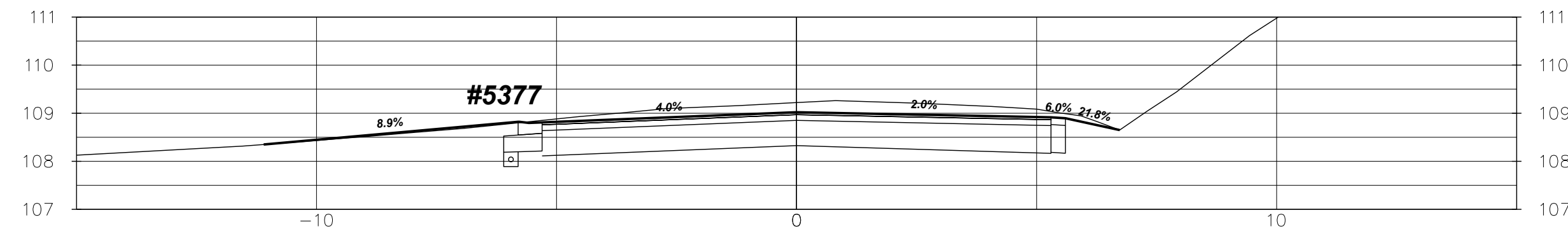
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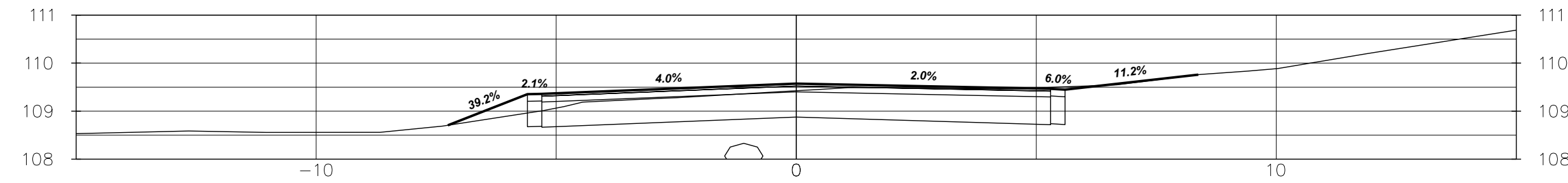
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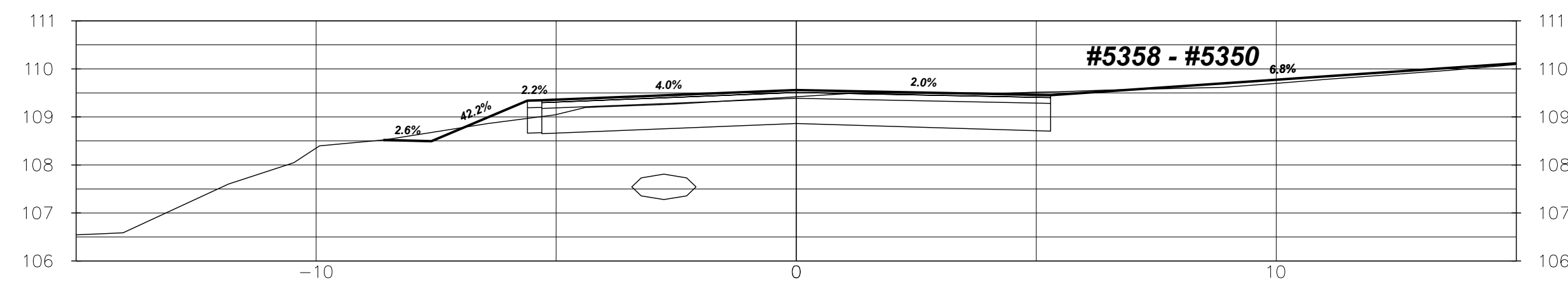
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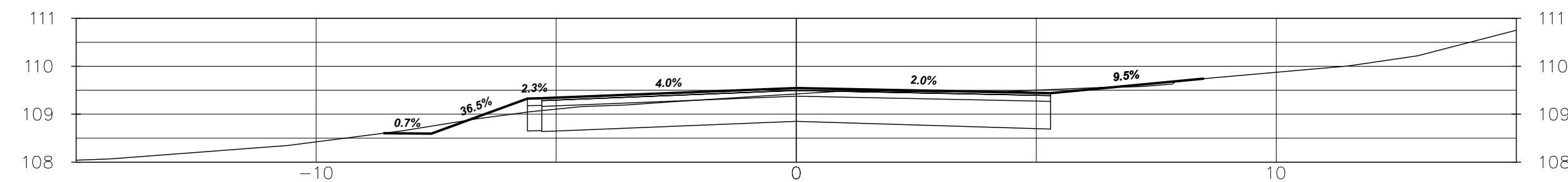
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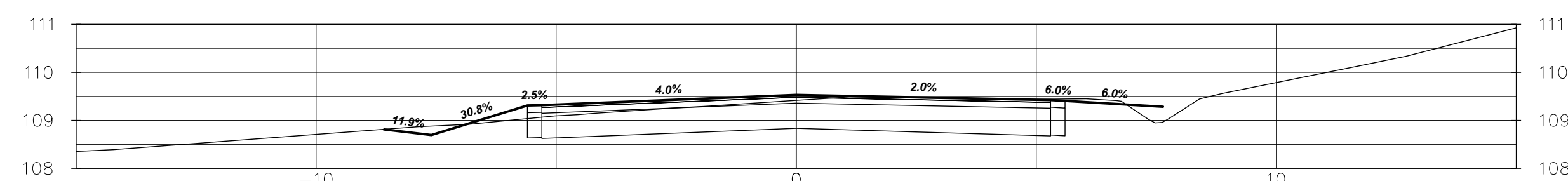
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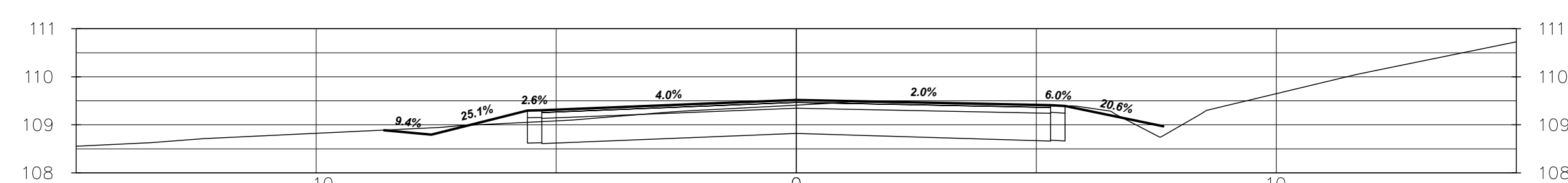
2+330



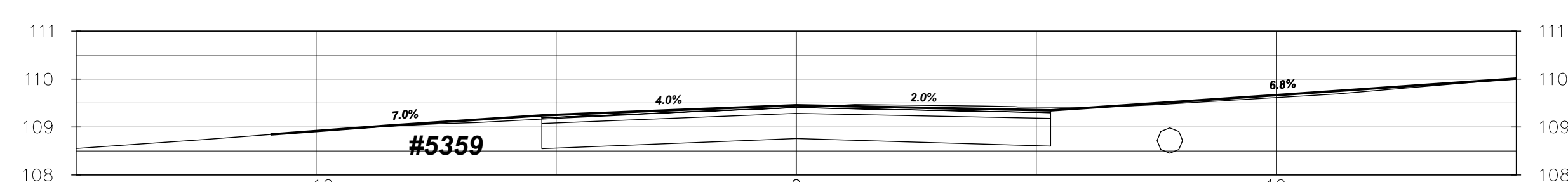
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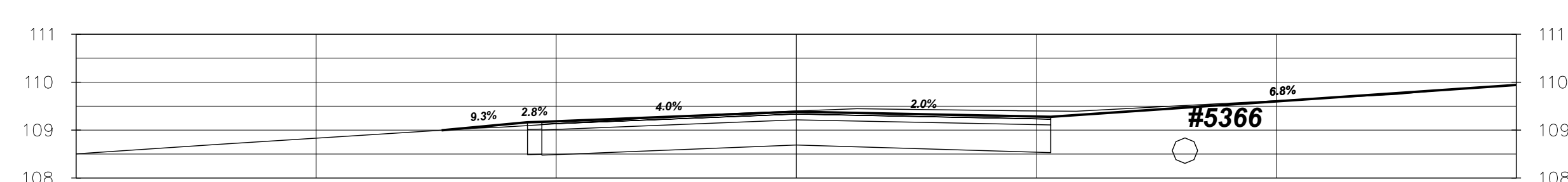
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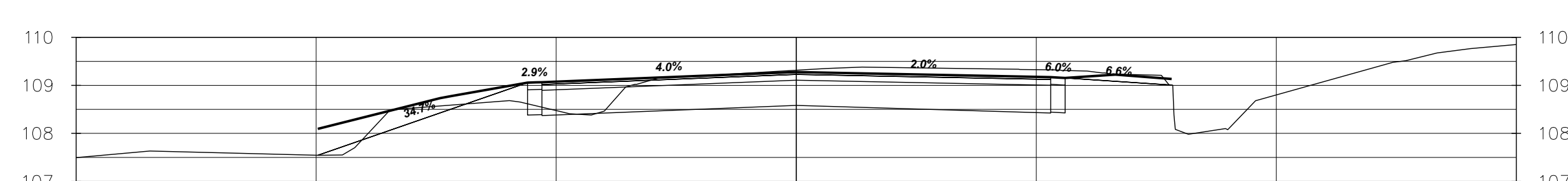
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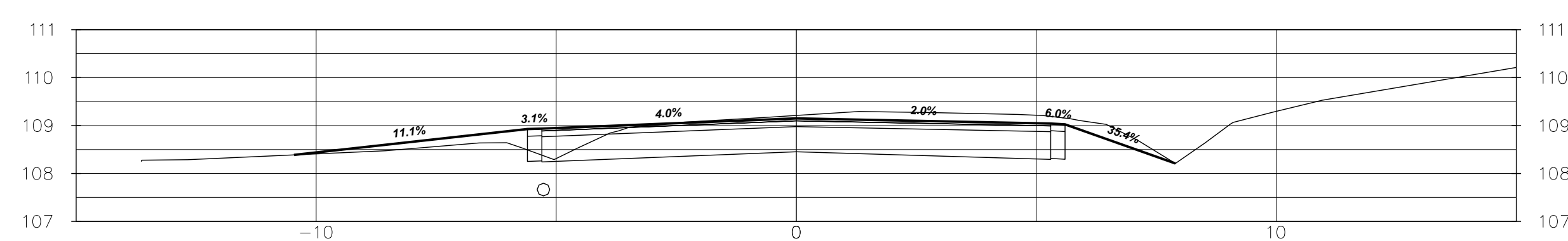
2+286



2+280



2+271



2+260

| NO. | REVISION                            | DATE   | INIT. |
|-----|-------------------------------------|--------|-------|
| 5   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1   | ISSUED FOR REVIEW                   | DEC/17 | JH    |

NOTES/LEGEND

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BENCHMARK: ----- ELEV. -----

DATUM: ----- ELEV. -----

GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17

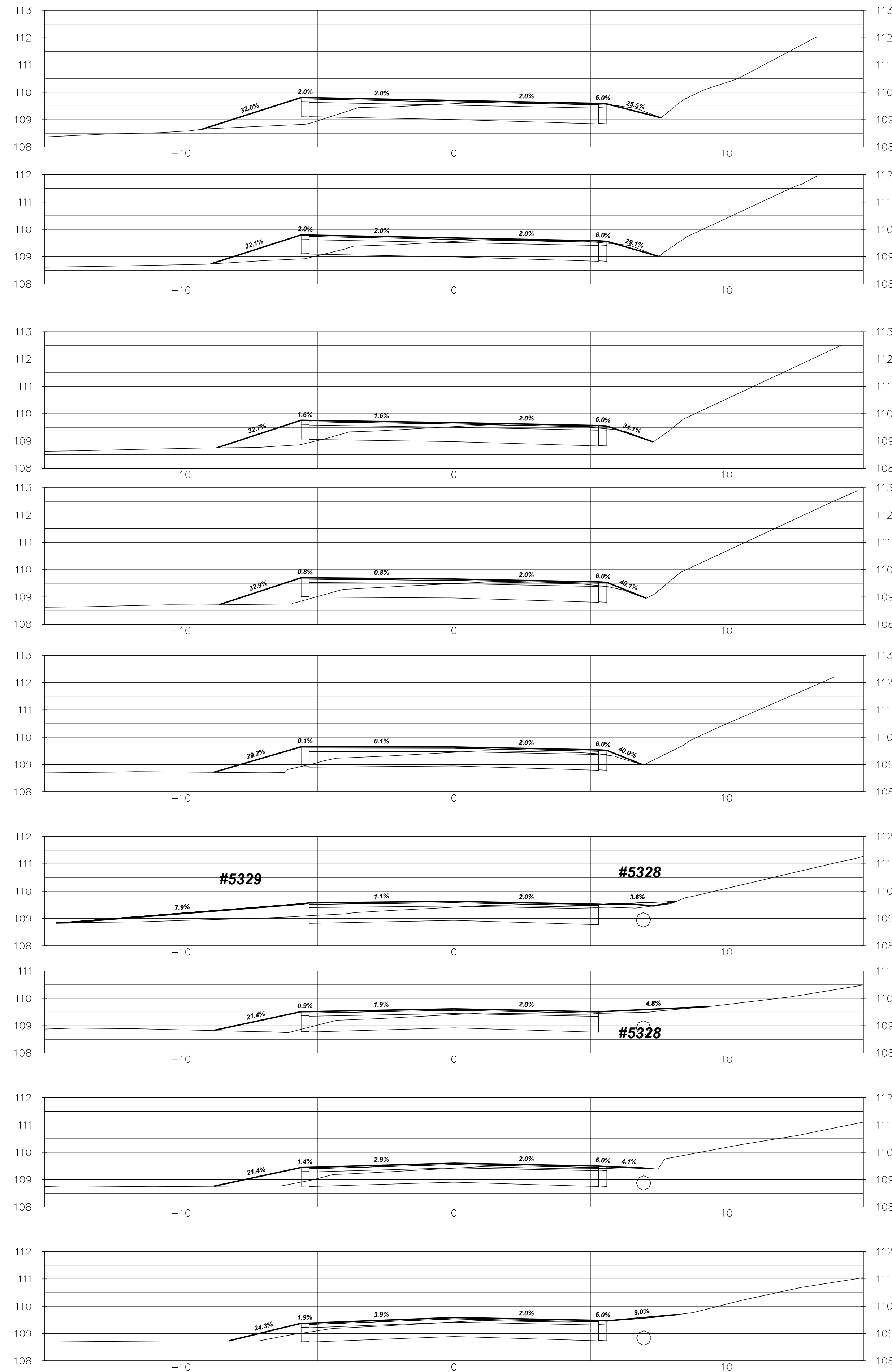
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| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |

KERRY T. HOWE ENGINEERING LTD.  
CONSULTING ENGINEERS  
88 Church Street  
S. Cornwall, Ontario  
(905) 868-6550

Niagara Region  
PUBLIC WORKS

KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS

|                            |      |           |
|----------------------------|------|-----------|
| CONSULTANT FILE No. 16-014 | DATE | MAR, 2023 |
| SCALE                      | HOR  | 1:200     |
| REF. No.                   | VER: | 1:50      |
| DWG No.                    | REV. |           |
| 16-014 - XS7               | 5    |           |



2+430

2+420

2+410

2+400

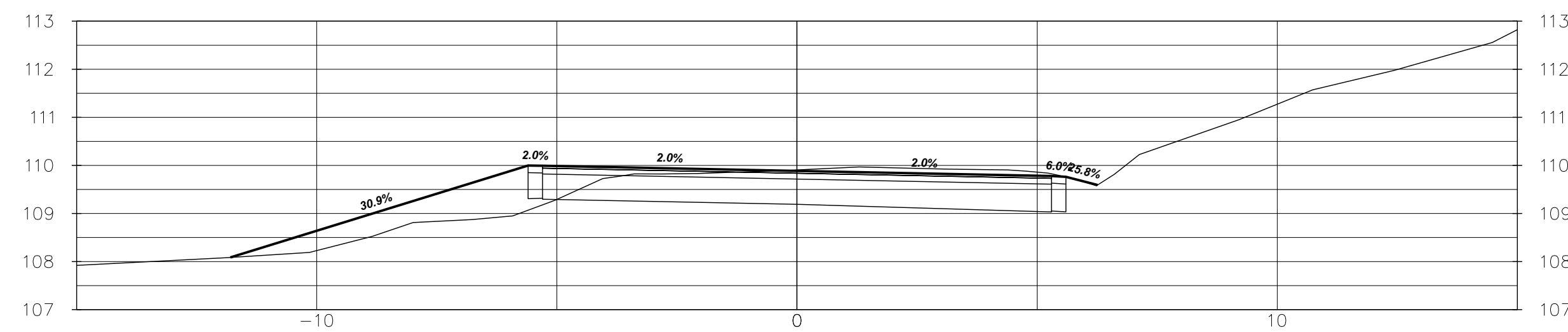
2+390

2+378

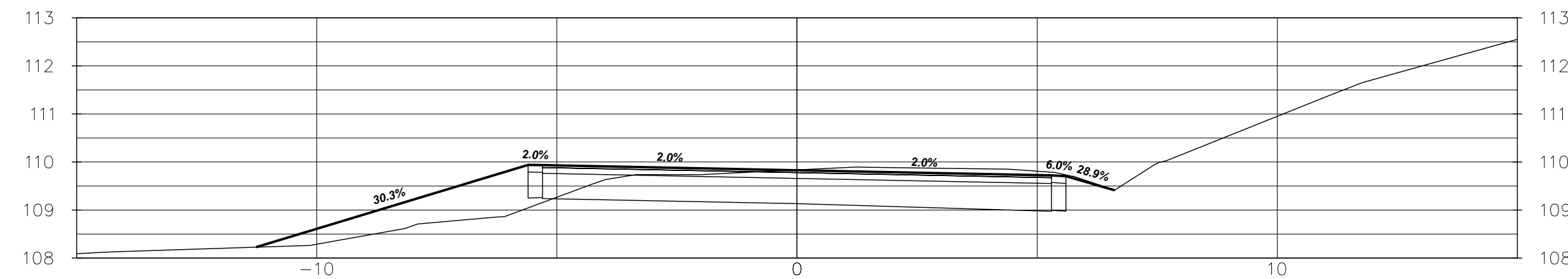
2+370

2+360

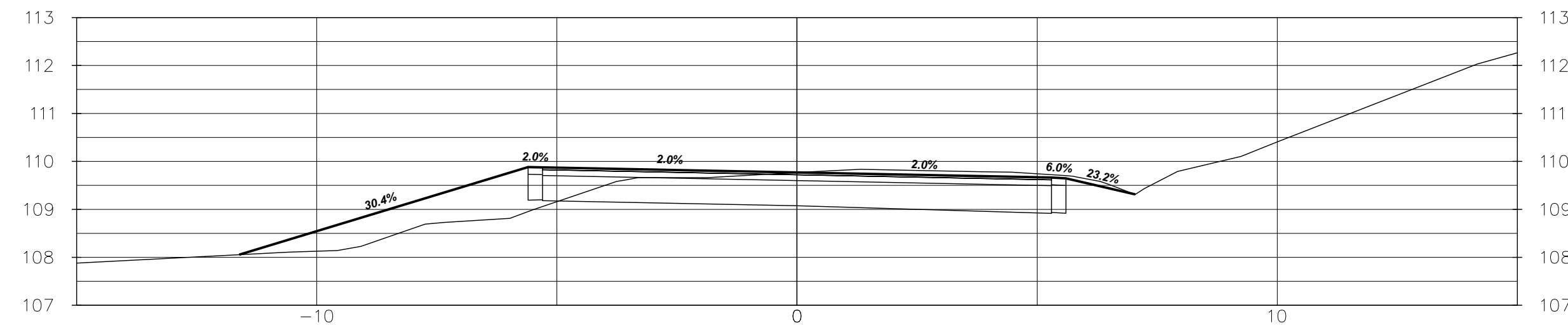
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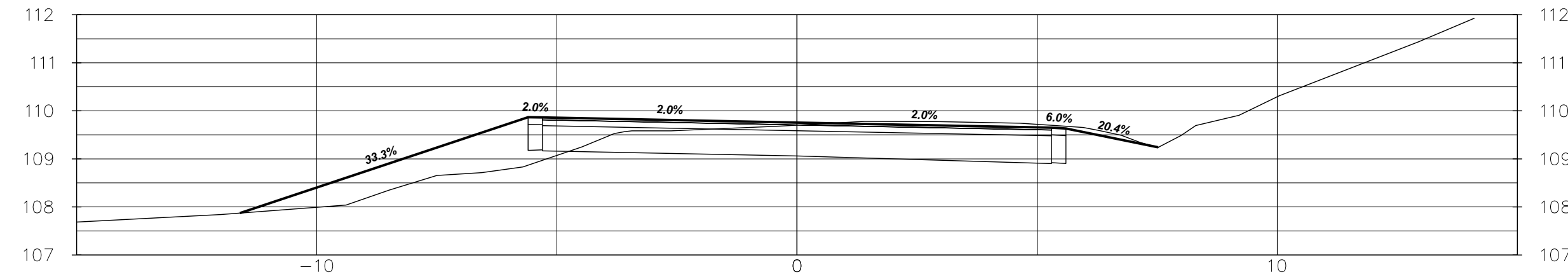
2+500



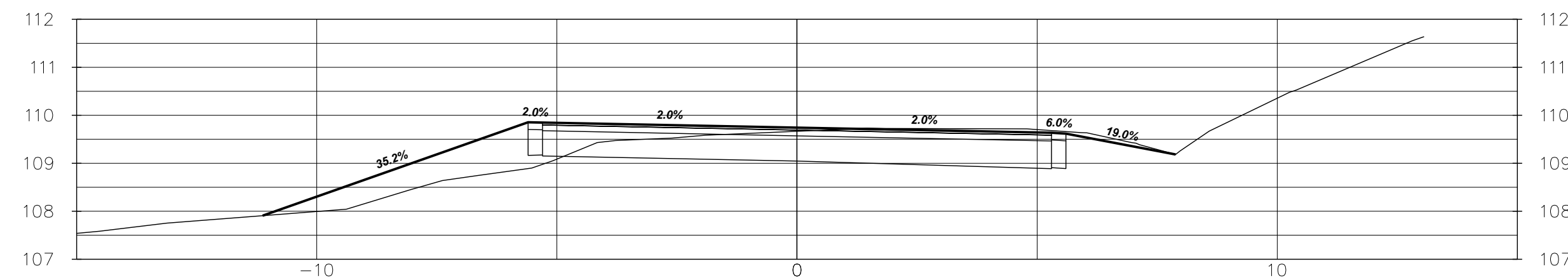
2+490



2+480



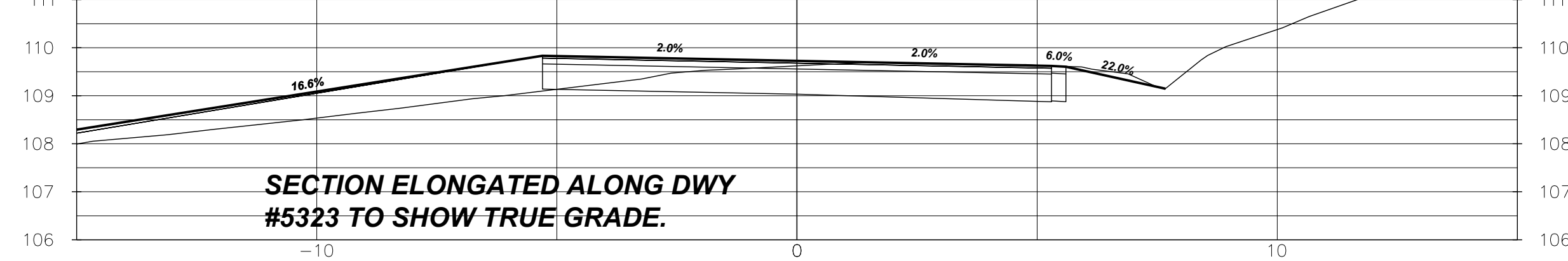
2+470



2+460

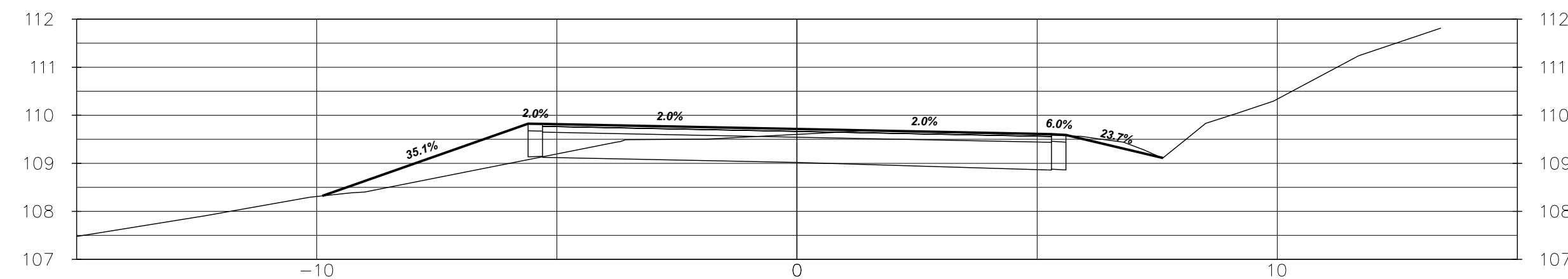
DWY LOOKS TO HAVE A BELLY IN THE MIDDLE WHERE SURVEY ENDS  
MAY NEED TO PICK UP MORE SURVEY

EX. ROADWAY NOT SUPERELEVATED  
NEED TO MAINTAIN CL GRADES FOR S DITCH GRADING.



2+450

SECTION ELONGATED ALONG DWY  
#5323 TO SHOW TRUE GRADE.



2+440

|     |                                     |        |       |
|-----|-------------------------------------|--------|-------|
| 5   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1   | ISSUED FOR REVIEW                   | DEC/17 | JH    |
| NO. | REVISION                            | DATE   | INIT. |

NOTES/LEGEND

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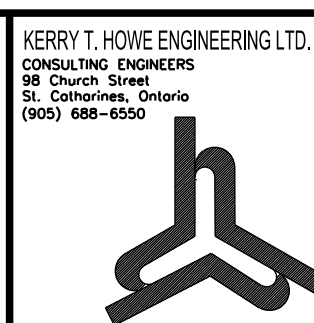
BENCHMARK

VERTICAL MONUMENT: ---- ELEV. ----

DATUM: ---- ELEV. ----

GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17

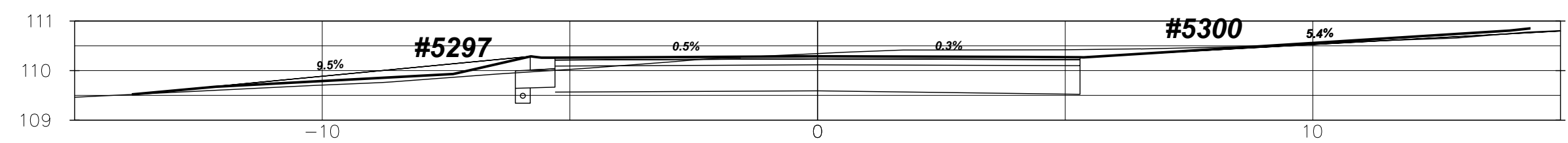
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| DRAFTING    | TP |
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| CHECKED BY  | SK |
| APPROVED BY |    |



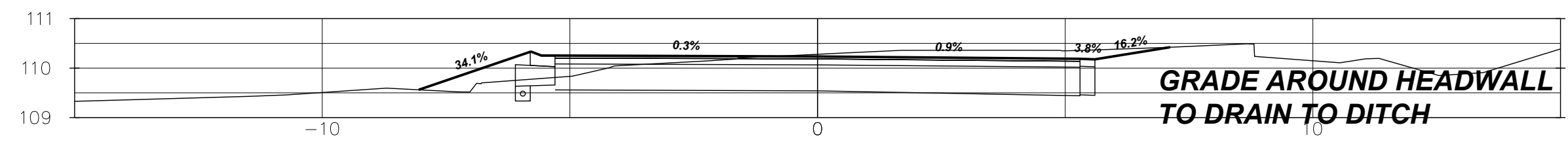
Niagara Region  
PUBLIC WORKS

KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS

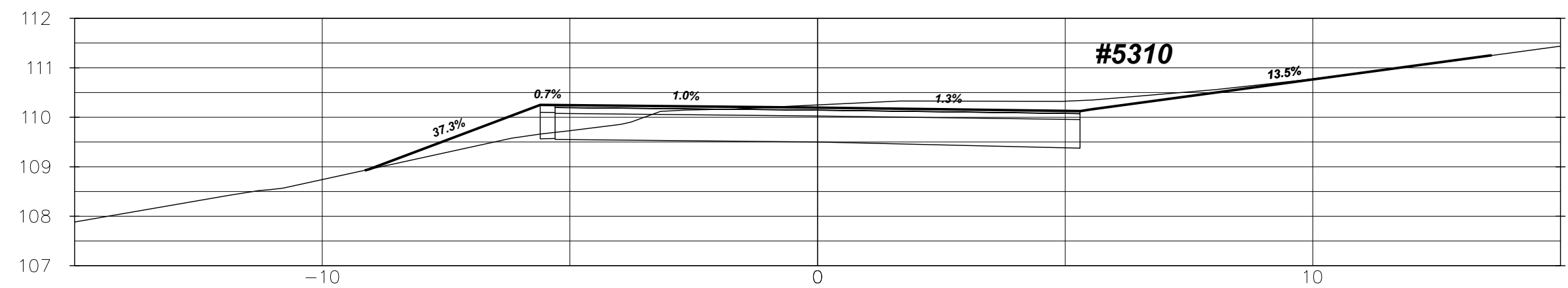
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| DATE MAR, 2023               |
| SCALE HOR 1:200<br>VER: 1:50 |
| REF. No. KING STREET         |
| DWG No. 16-014 - XS8         |
| REV. 5                       |



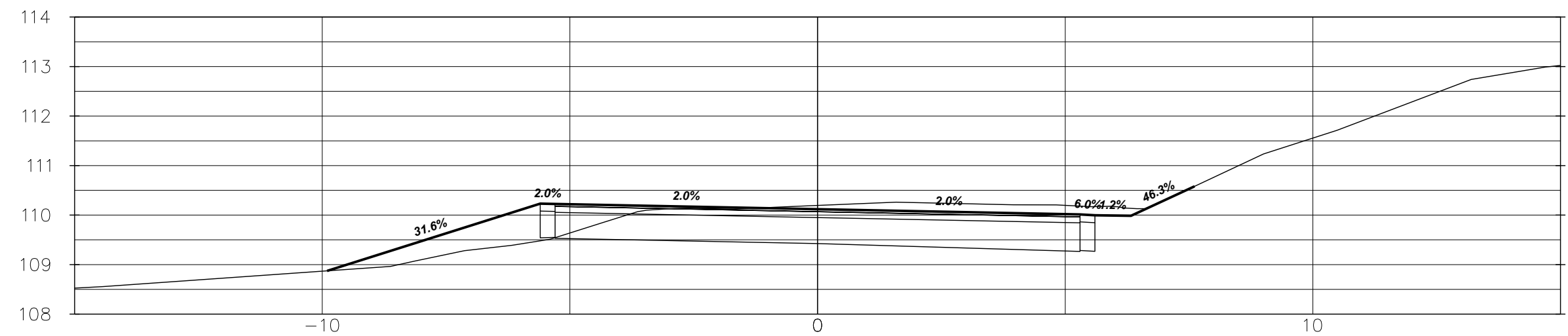
2+569



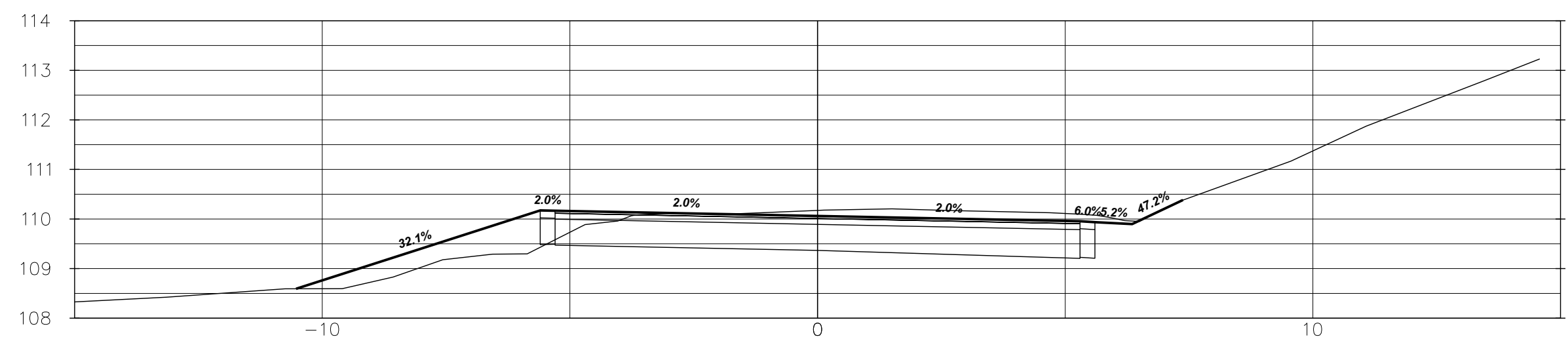
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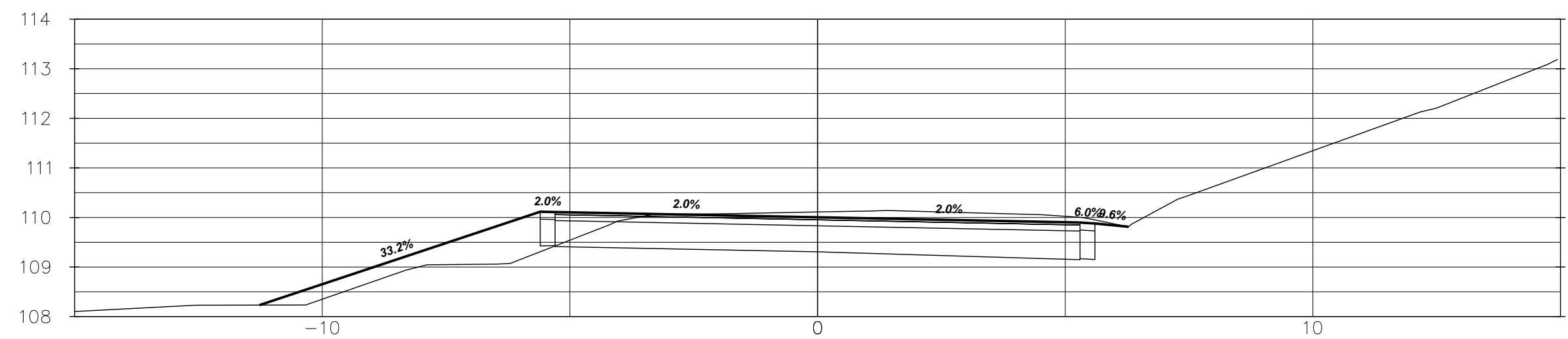
2+553



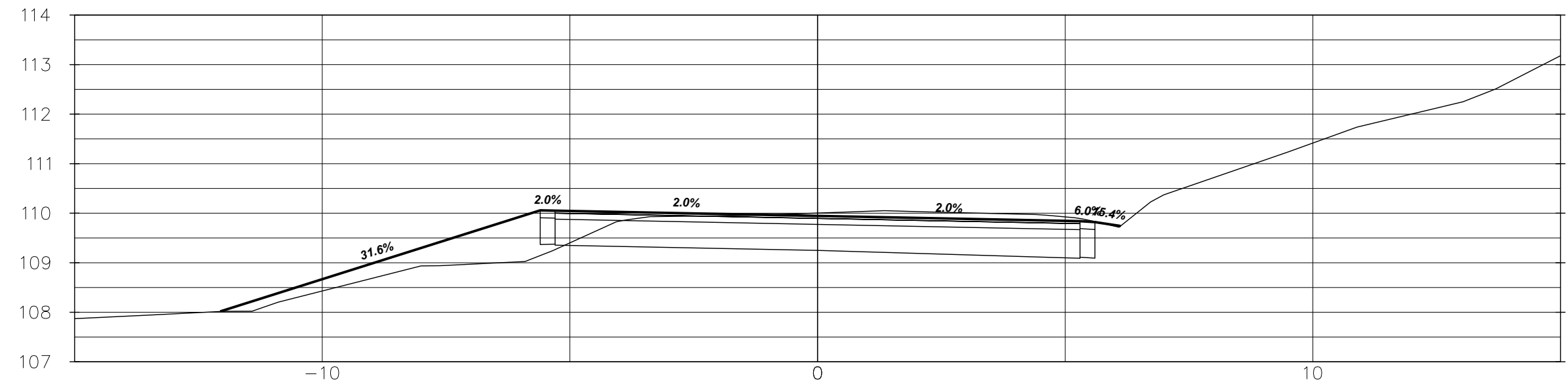
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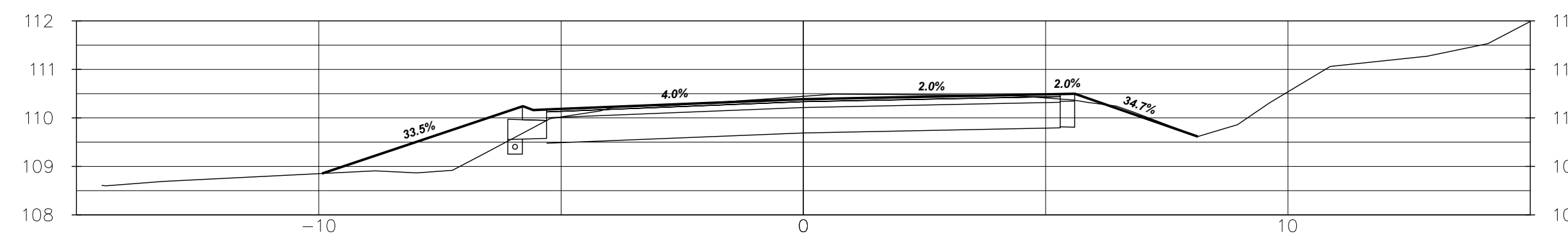
2+530



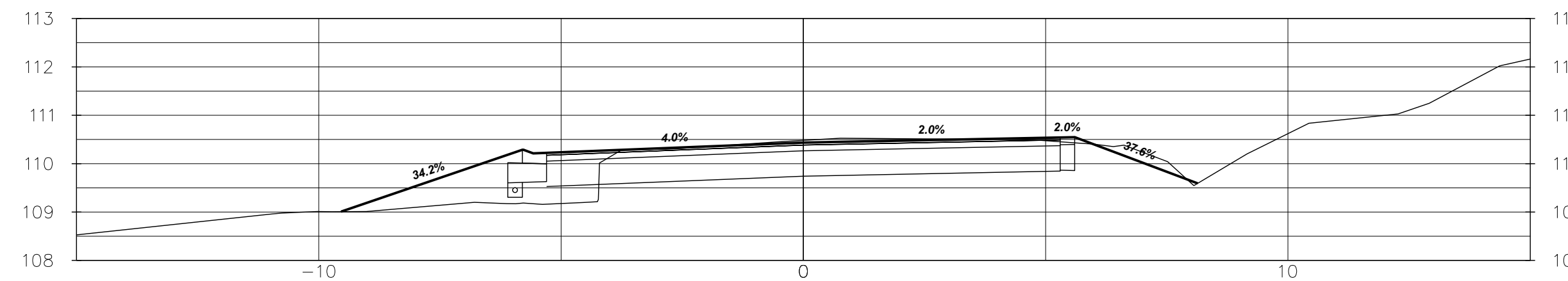
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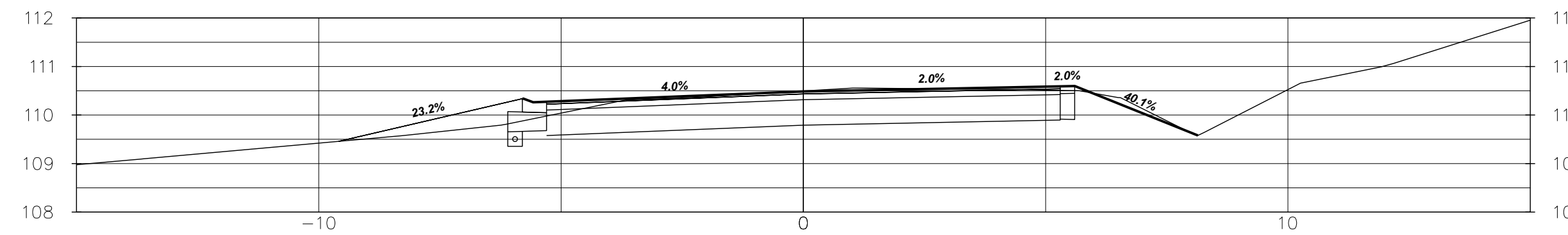
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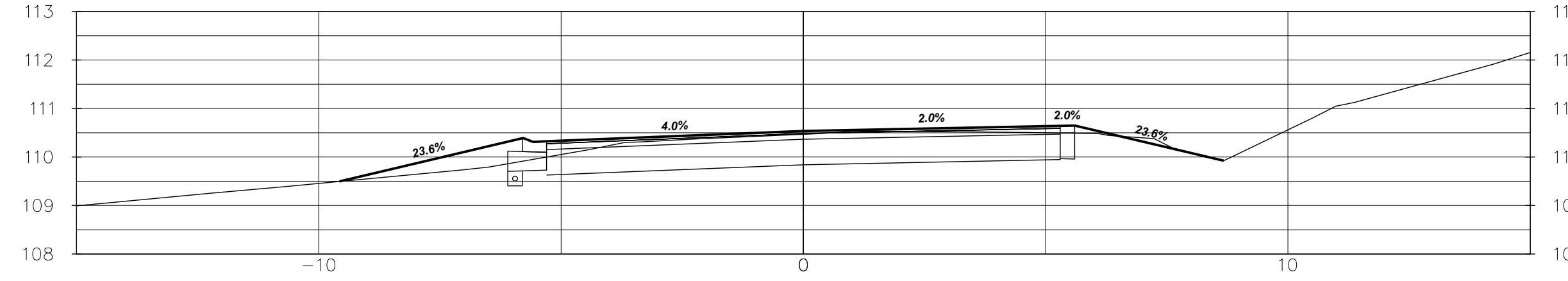
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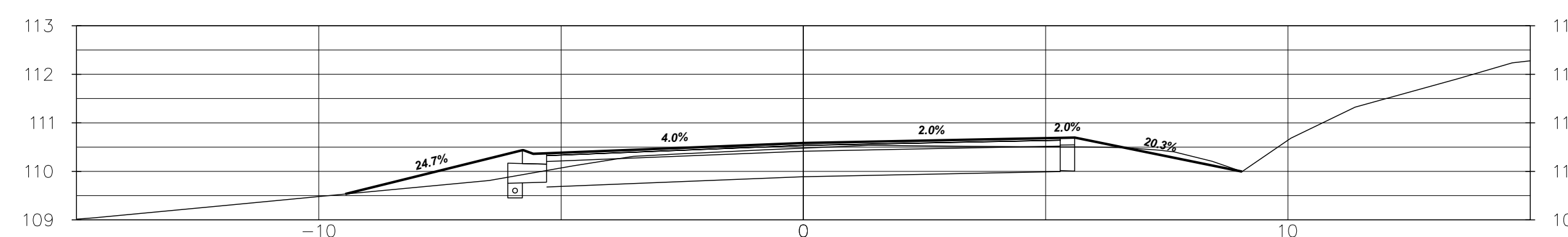
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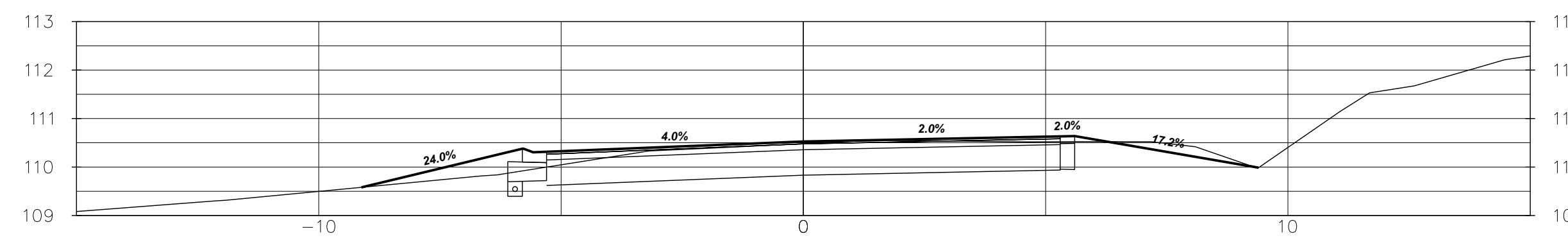
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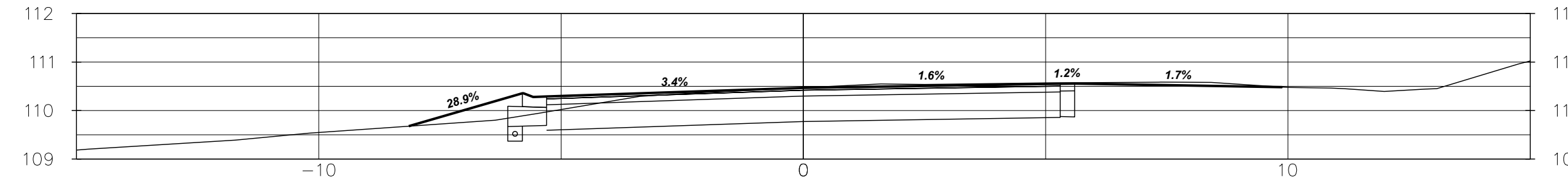
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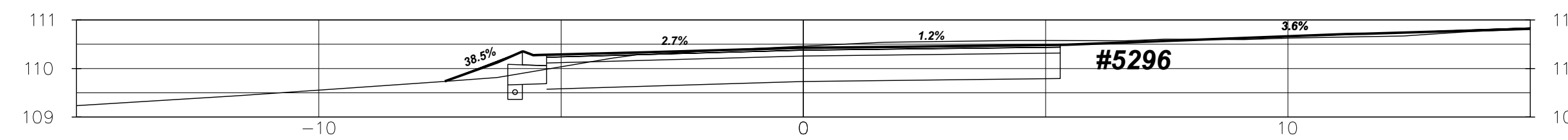
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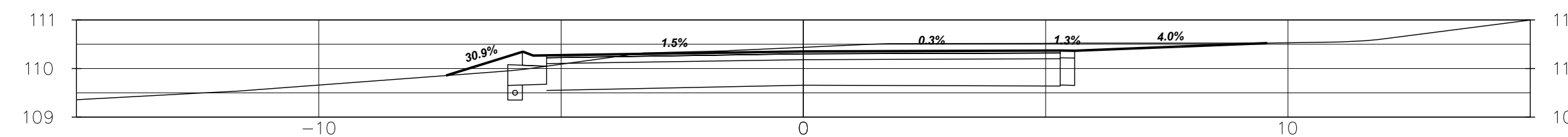
2+610



2+600



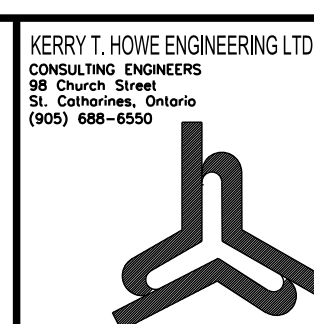
2+593



2+580

| NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |        |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------|-------|
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| BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |        |       |
| VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |        |       |
| DATUM: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |        |       |
| GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |        |       |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REVISION                            | DATE   | INIT. |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REISSUED ROC WATERMAIN DWGS         | MAR/23 | TP    |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                   | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED TO UTILITIES                 | MAY/21 | TP    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ISSUED FOR REVIEW                   | DEC/17 | JH    |

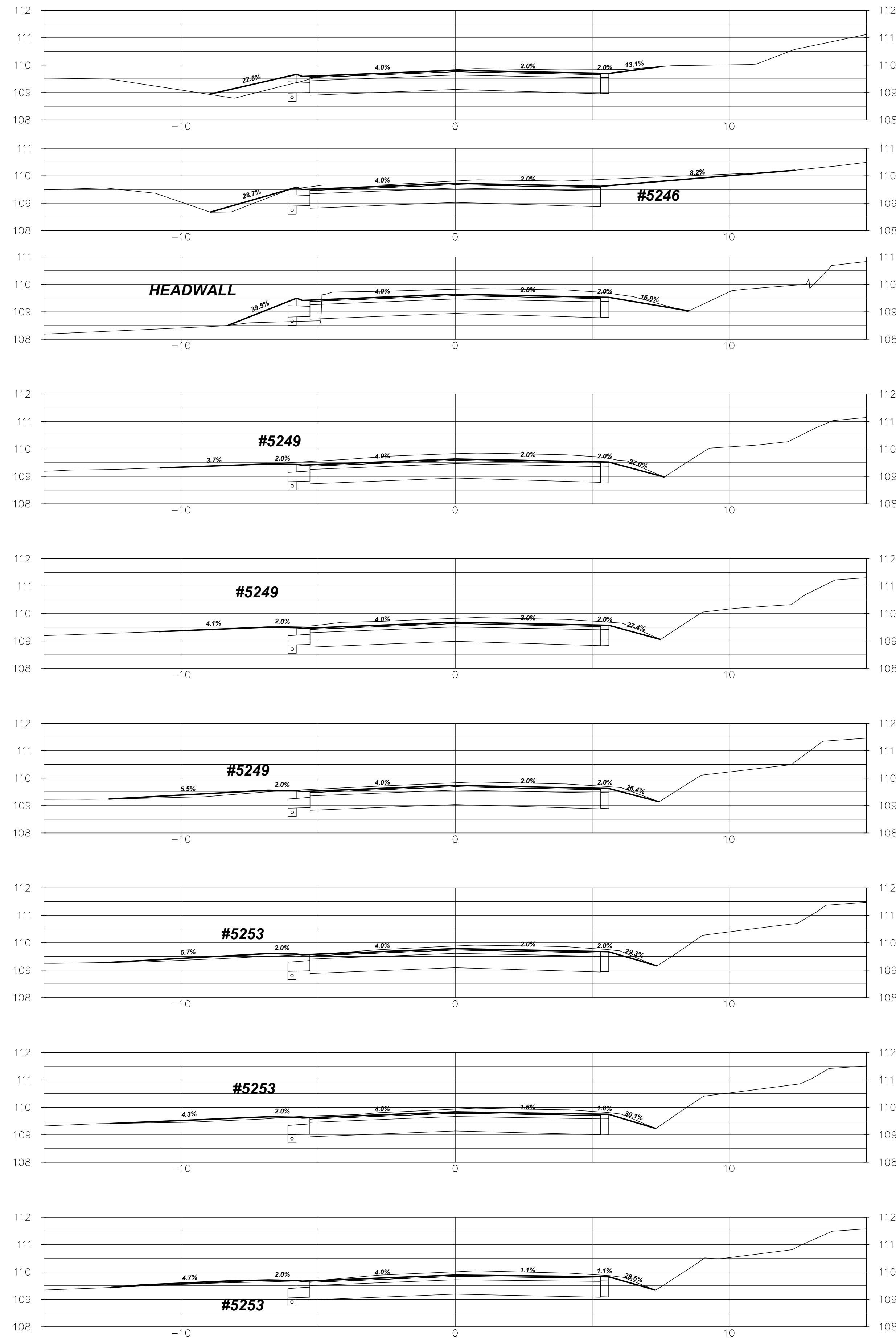
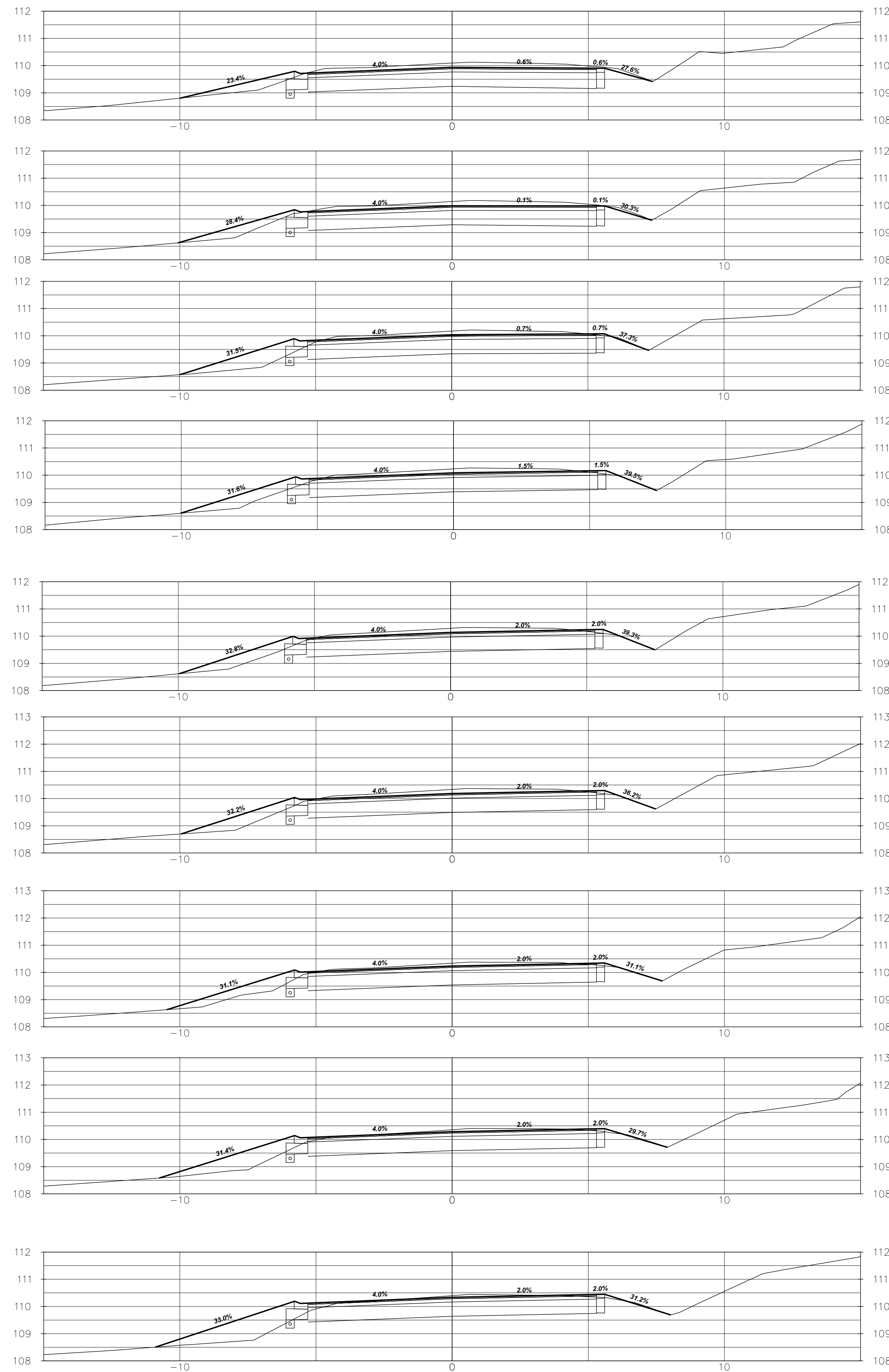
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| DRAFTING    | TP |
| DESIGN      | SK |
| CHECKED BY  | SK |
| APPROVED BY |    |



**Niagara Region**  
PUBLIC WORKS

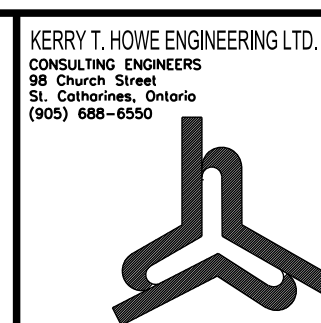
**KING STREET**  
**ROAD RECONSTRUCTION**  
**AND WATERMAIN REPLACEMENT**  
**GREENLANE TO LINCOLN AVENUE**  
**TOWN OF LINCOLN**  
**CROSS SECTIONS**

|                            |                        |
|----------------------------|------------------------|
| CONSULTANT FILE No. 16-014 |                        |
| DATE                       | MAR, 2023              |
| SCALE                      | HOR 1:200<br>VER: 1:50 |
| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS9           |
| REV.                       | 5                      |



|       |                                     |        |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|-------|-------------------------------------|--------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| ----- | -----                               | -----  | ----- | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 5     | ISSUED FOR FINAL REVIEW - UTILITIES | MAR/23 | TP    | 1 THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  |  |
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| 3     | IFR - AFTER COMPLETE ROAD REDESIGN  | AUG/22 | TP    | 3 THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                             |  |  |
| 2     | ISSUED TO UTILITIES                 | MAY/21 | TP    | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| 1     | ISSUED FOR REVIEW                   | DEC/17 | JH    | VERTICAL MONUMENT: ----- ELEV. -----                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| NO.   | REVISION                            | DATE   | INIT. | DATUM: ----- ELEV. -----                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
|       |                                     |        |       | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |

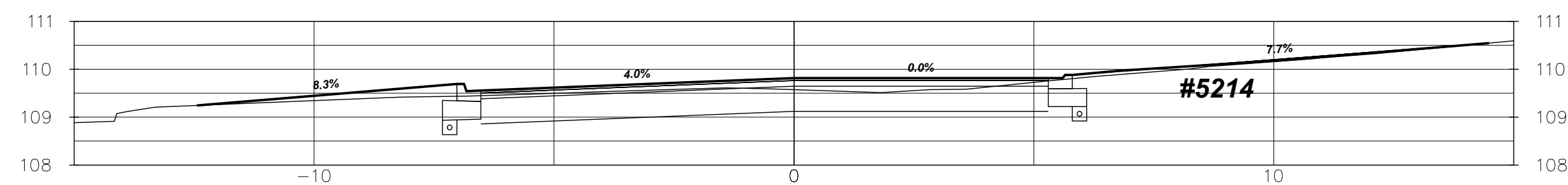
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| CHECKED BY  | SK |
| APPROVED BY |    |



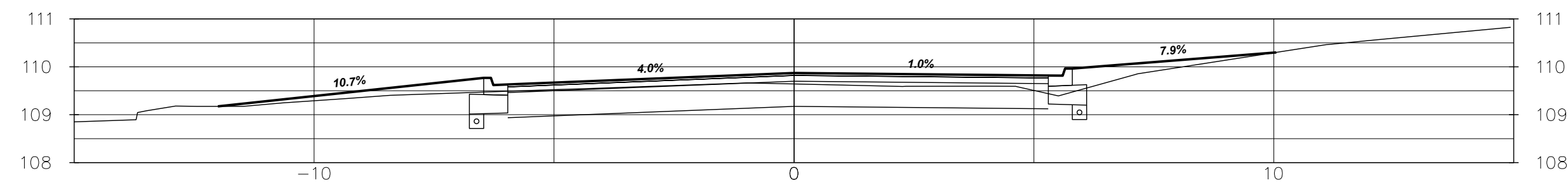
Niagara Region  
PUBLIC WORKS

KING STREET  
ROAD RECONSTRUCTION  
AND WATERMAIN REPLACEMENT  
GREENLANE TO LINCOLN AVENUE  
TOWN OF LINCOLN  
CROSS SECTIONS

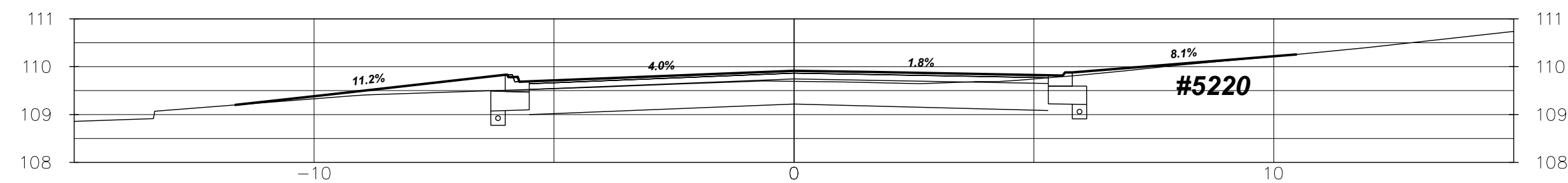
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| REF. No.                   | KING STREET            |
| DWG No.                    | 16-014 - XS10          |
| REV.                       | 5                      |



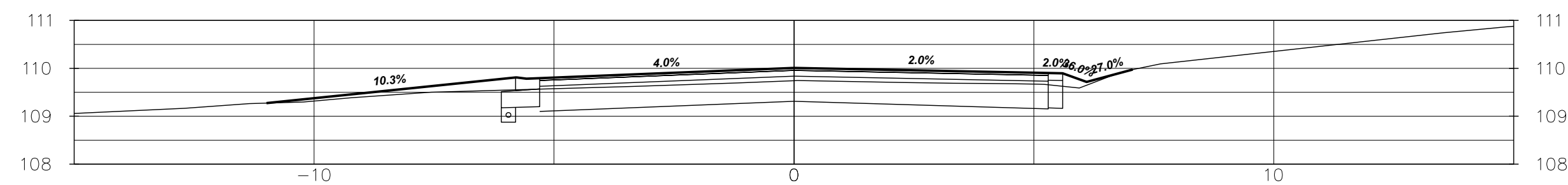
2+950



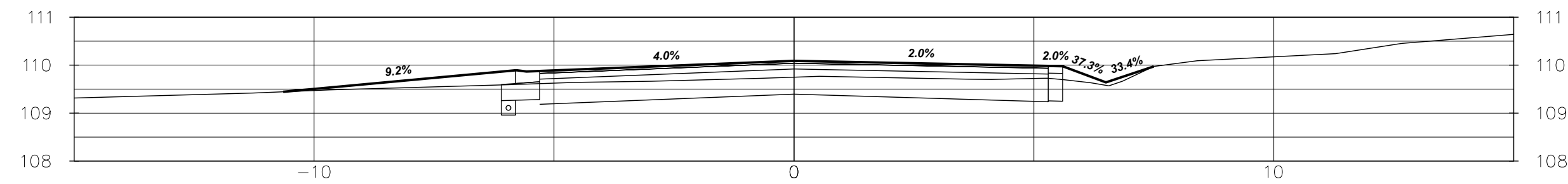
2+940



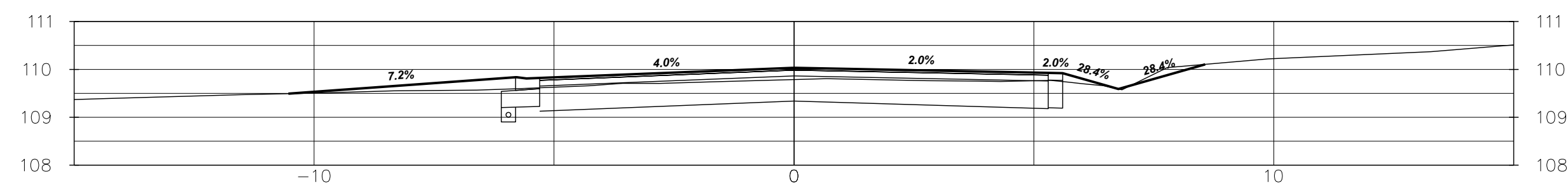
2+932



2+915



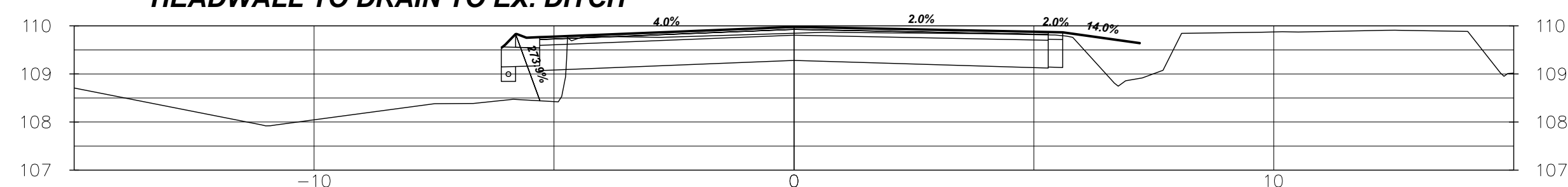
2+900



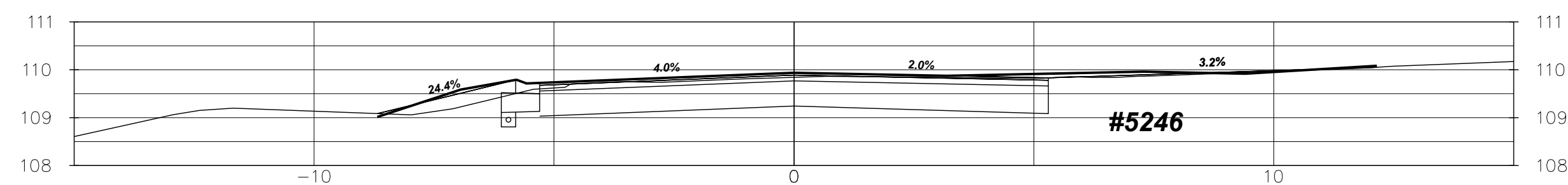
2+890

GRADE AROUND PROPOSED  
HEADWALL TO DRAIN TO EX. DITCH

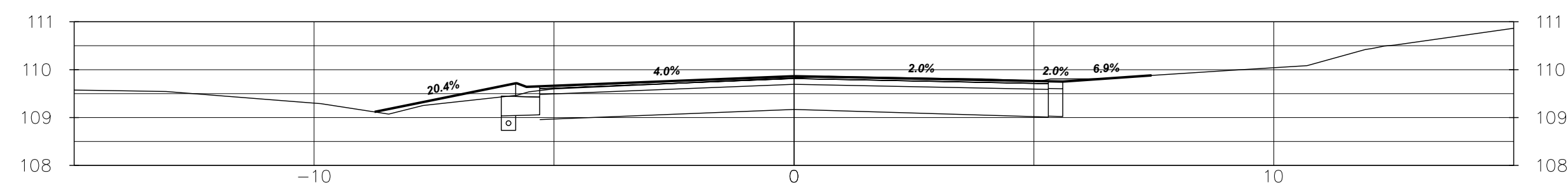
GRADE TO EXISTING INVERTS



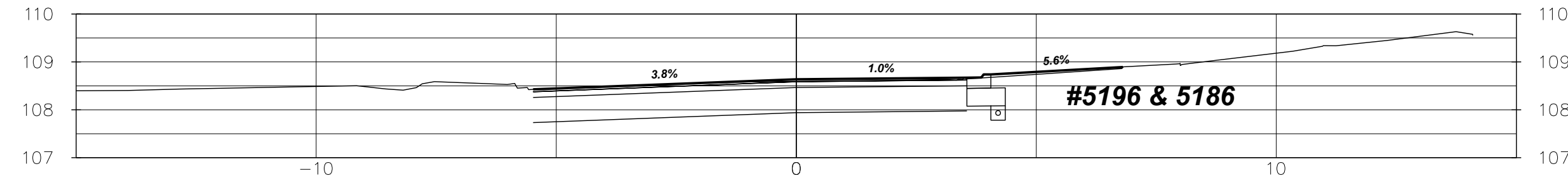
2+880



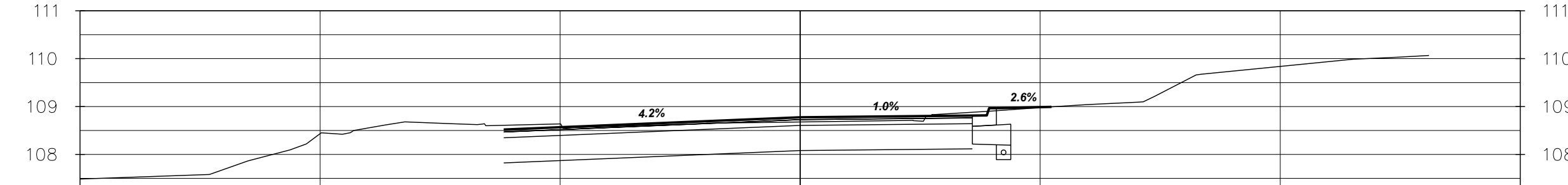
2+873



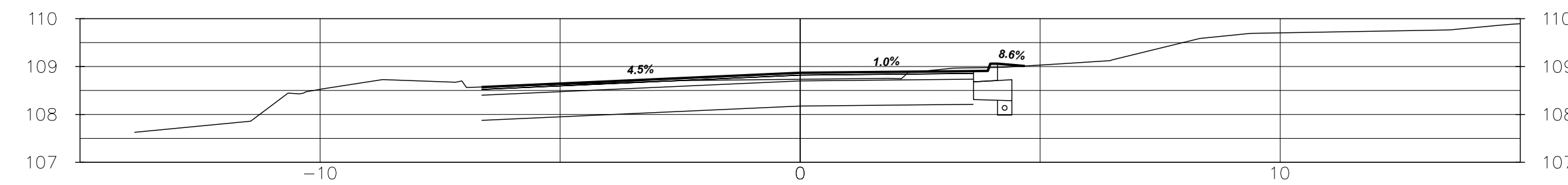
2+860



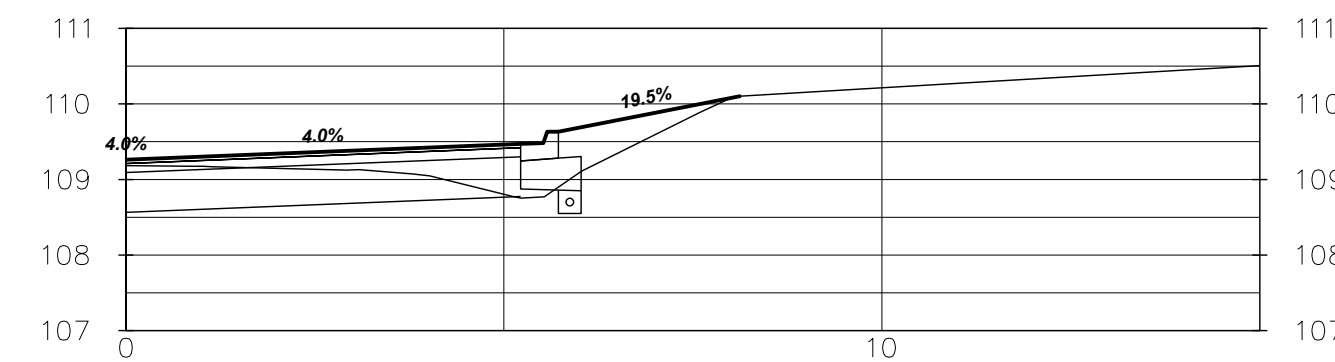
3+085



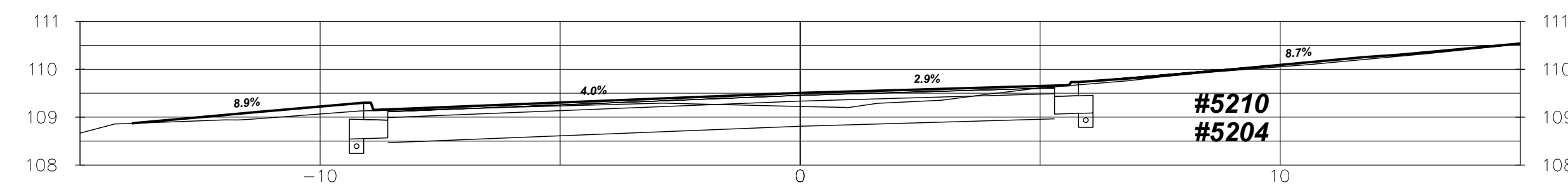
3+070



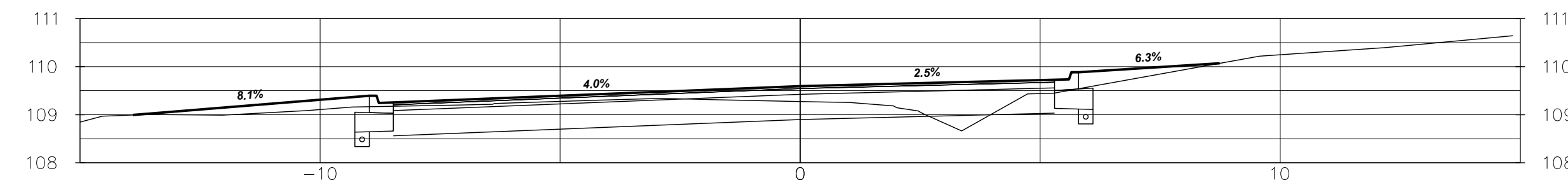
3+060



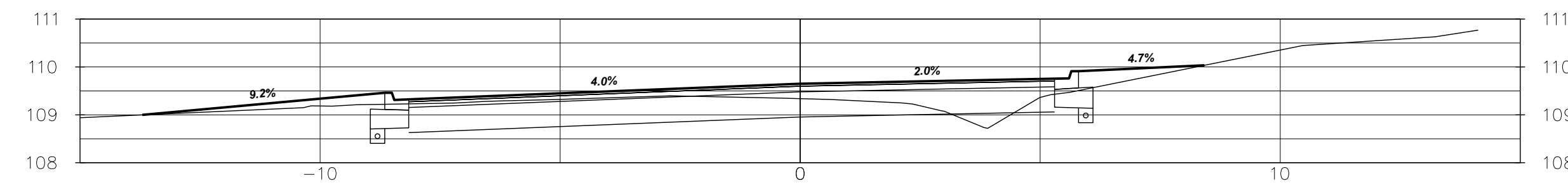
3+020



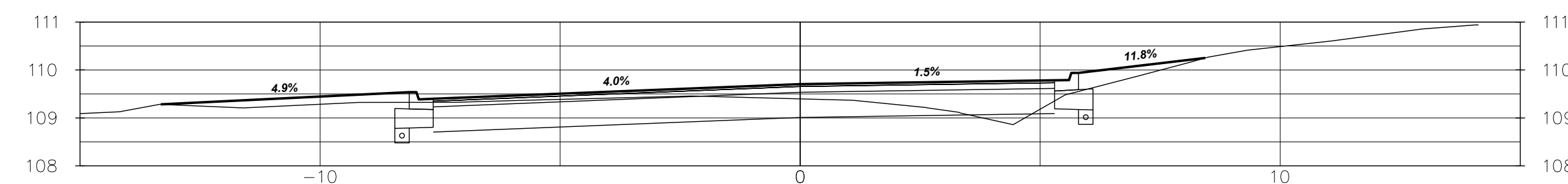
2+998



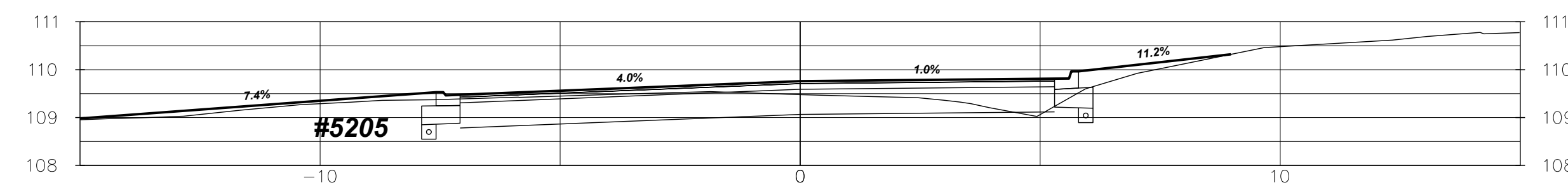
2+990



2+980

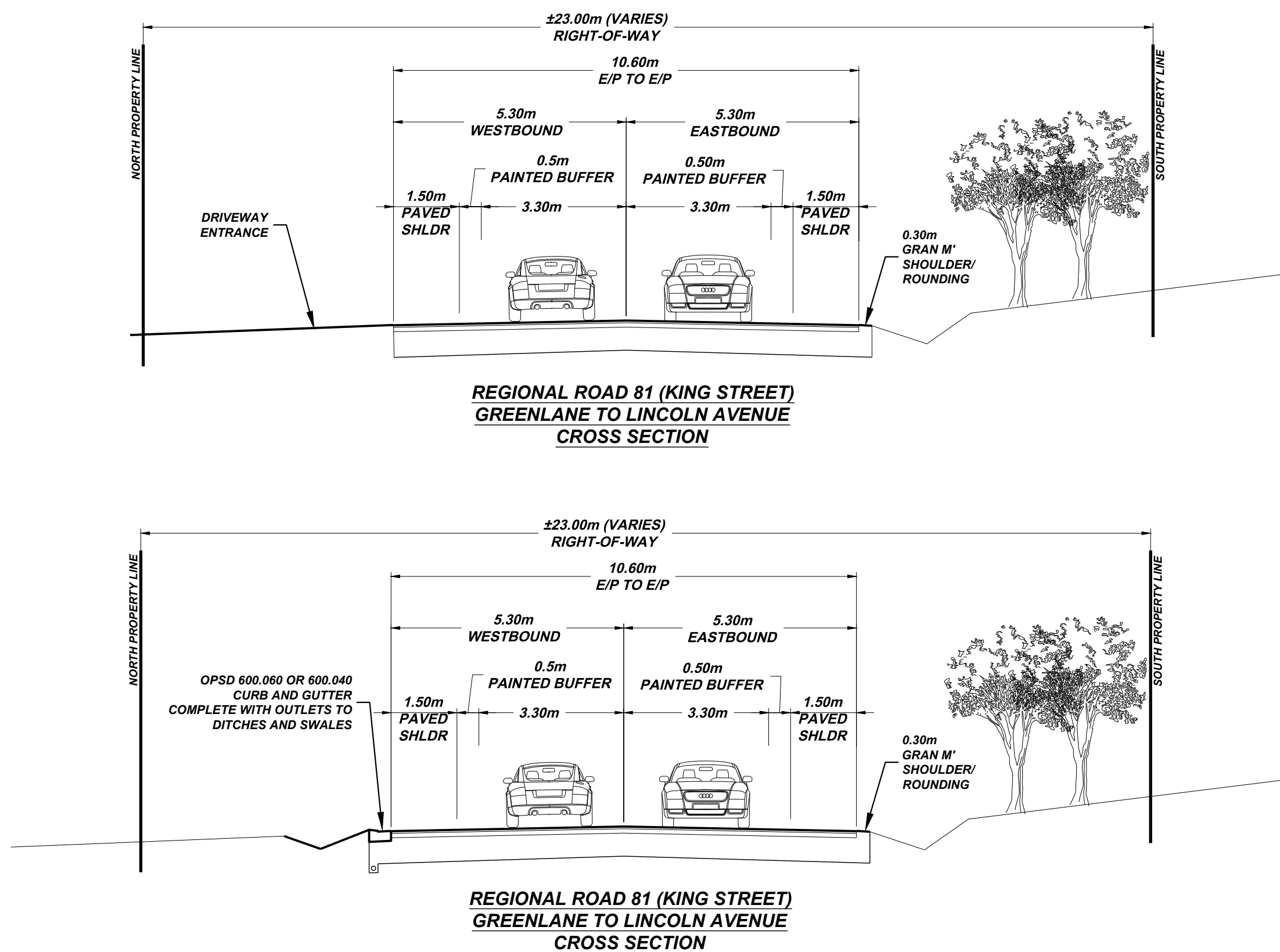


2+970



2+960

|  |  |  |                                              |  |  |             |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  |                              |  |
|--|--|--|----------------------------------------------|--|--|-------------|--|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|
|  |  |  | NOTES/LEGEND                                 |  |  | DRAFTING    |  | <div>KERRY T. HOWE ENGINEERING LTD.<br/>CONSULTING ENGINEERS<br/>88 Church Street<br/>St. Catharines, Ontario<br/>(905) 688-6550</div> | <div>NiagaraRegion<br/>PUBLIC WORKS</div> | <div>KING STREET<br/>ROAD RECONSTRUCTION<br/>AND WATERMAIN REPLACEMENT<br/>GREENLANE TO LINCOLN AVENUE<br/>TOWN OF LINCOLN<br/>CROSS SECTIONS</div> |  | CONSULTANT FILE No. 16-014   |  |
|  |  |  |                                              |  |  | TP          |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  | DATE MAR, 2023               |  |
|  |  |  |                                              |  |  | SK          |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  | SCALE HOR 1:200<br>VER: 1:50 |  |
|  |  |  |                                              |  |  | SK          |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  | REF. No. <u>KING STREET</u>  |  |
|  |  |  | BENCHMARK                                    |  |  | SK          |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  | DWG No.                      |  |
|  |  |  | VERTICAL MONUMENT: ---- ELEV. ----           |  |  | APPROVED BY |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  | REV. 5                       |  |
|  |  |  | DATE INIT.                                   |  |  |             |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  |                              |  |
|  |  |  | ELEV. ----                                   |  |  |             |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  |                              |  |
|  |  |  | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17 |  |  |             |  |                                                                                                                                        |                                                                                                                                |                                                                                                                                                     |  |                              |  |
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|     |                     |        | NOTES/LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | DRAFTING    |  | <div>KERRY T. HOWE ENGINEERING LTD.<br/>CONSULTING ENGINEERS<br/>88 Church Street<br/>St. Catharines, Ontario<br/>(905) 688-6550</div> | <div>TOWN OF<br/></div> | <div>KING STREET<br/>ROAD RECONSTRUCTION<br/>AND WATERMAIN REPLACEMENT<br/>GREENLANE TO LINCOLN AVENUE<br/>TOWN OF LINCOLN<br/>TYPICAL CROSS SECTIONS</div> | CONSULTANT FILE No. 16-014 |  |
|     |                     |        | 1. THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWER AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. |  | TP          |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | DATE AUG 2023              |  |
|     |                     |        | 2. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND BARS LOCATED IN THE FIELD. TO VERIFY THE ACCURACY OF THESE PROPERTY LINES, A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION.                                                                                                                                                                                                                                                        |  | SK          |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | SCALE 1:100                |  |
|     |                     |        | 3. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY. KERRY T. HOWE ENGINEERING LTD. ASSUMES NO LIABILITY FOR USE IN ANY OTHER WAY. CAD FILES OF THIS DRAWING ARE NOT CERTIFIED BY THE ENGINEER FOR USE BY OTHERS. USERS OF THESE CAD FILES ASSUME ALL RISK AND RESPONSIBILITY FOR VERIFYING THE CORRECTNESS OF ALL INFORMATION FOR ANY USE.                                                                                                             |  | SK          |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | REF. No. KING STREET       |  |
|     |                     |        | BENCHMARK                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | CHECKED BY  |  |                                                   |                                                                                                              |                                                                                                                                                             | DWG No.                    |  |
|     |                     |        | VERTICAL MONUMENT: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                    |  | SK          |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | REV.                       |  |
|     |                     |        | DATUM: ---- ELEV. ----                                                                                                                                                                                                                                                                                                                                                                                                                                |  | APPROVED BY |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | 16-014 - TYP----           |  |
|     |                     |        | GEOGRAPHIC PROJECTION: U.T.M. NAD 83 ZONE 17                                                                                                                                                                                                                                                                                                                                                                                                          |  |             |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             | 2                          |  |
| 2   | ISSUED TO UTILITIES | MAY/21 | TP                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |             |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             |                            |  |
| 1   | ISSUED FOR REVIEW   | DEC/17 | JH                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |             |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             |                            |  |
| No. | REVISION            | DATE   | INIT.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |             |  |                                                                                                                                        |                                                                                                              |                                                                                                                                                             |                            |  |