

THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.
BEFORE STARTING WORK
 THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

GENERAL NOTES:

LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING HYDRO UTILITY LINES
- EXISTING HYDRO POLE AND GUY WIRE
- EXISTING SANITARY NETWORK
- EXISTING WATER MAIN
- EXISTING STORM WATER NETWORK
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- EXISTING DRAINAGE SWALES
- PROPOSED ROW
- PROPOSED RAILWAY
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED U/G CONCRETE HYDRO DUCT
- PROPOSED GRADING SLOPES
- PROPOSED DRAINAGE DIRECTION OF FLOW AND GRADE
- PROPOSED DRAINAGE SWALE
- ELEVATION GRADE TAG (EXISTING-PROPOSED)
- BORE HOLE OR MONITORING WELL - I.D. GROUND ELEVATION (m)

BENCHMARK: ELEVATION = 327.590m.
 CITY OF GUELPH BENCHMARK #56A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND. COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

No.	REVISION	By	DATE
0	INITIAL SUBMISSION FOR REVIEW	DK	2014/03/31



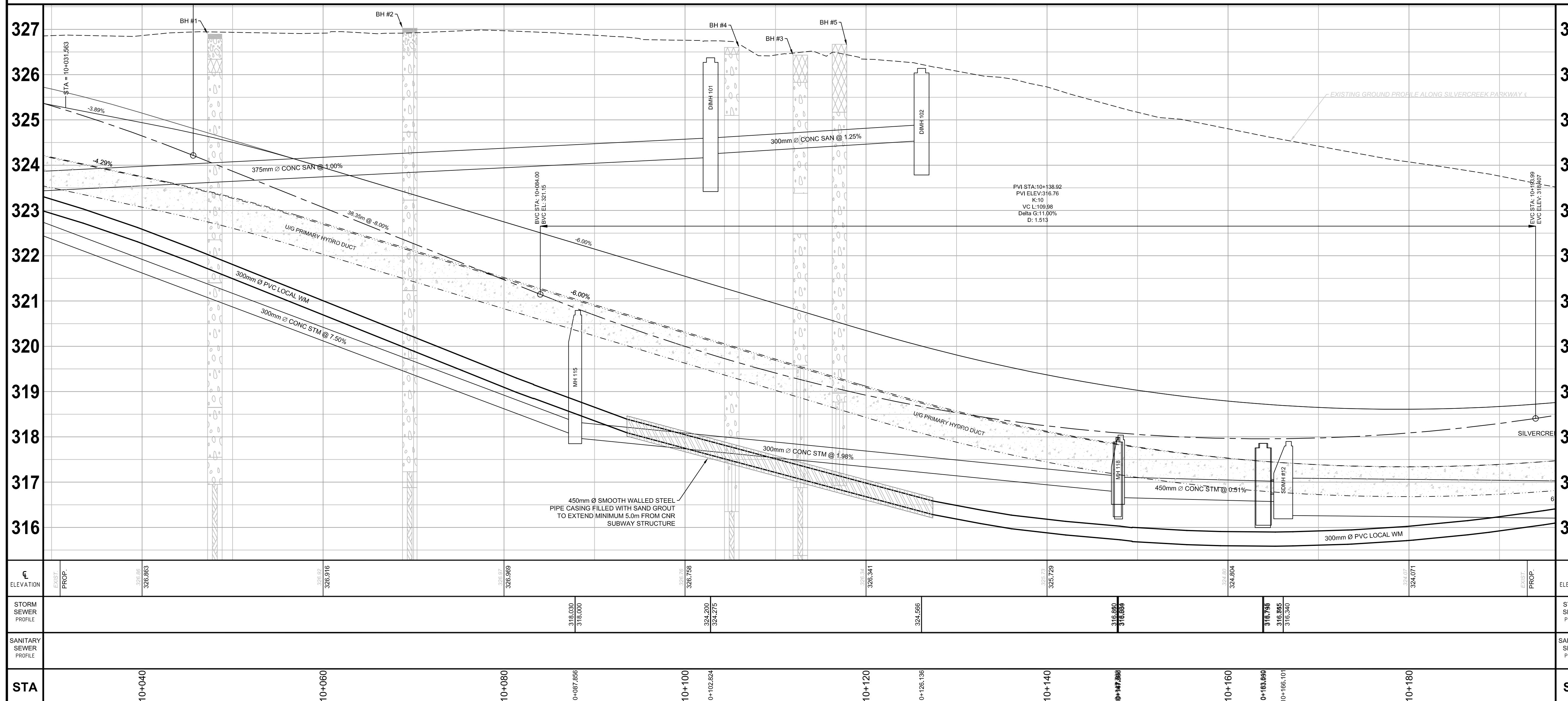
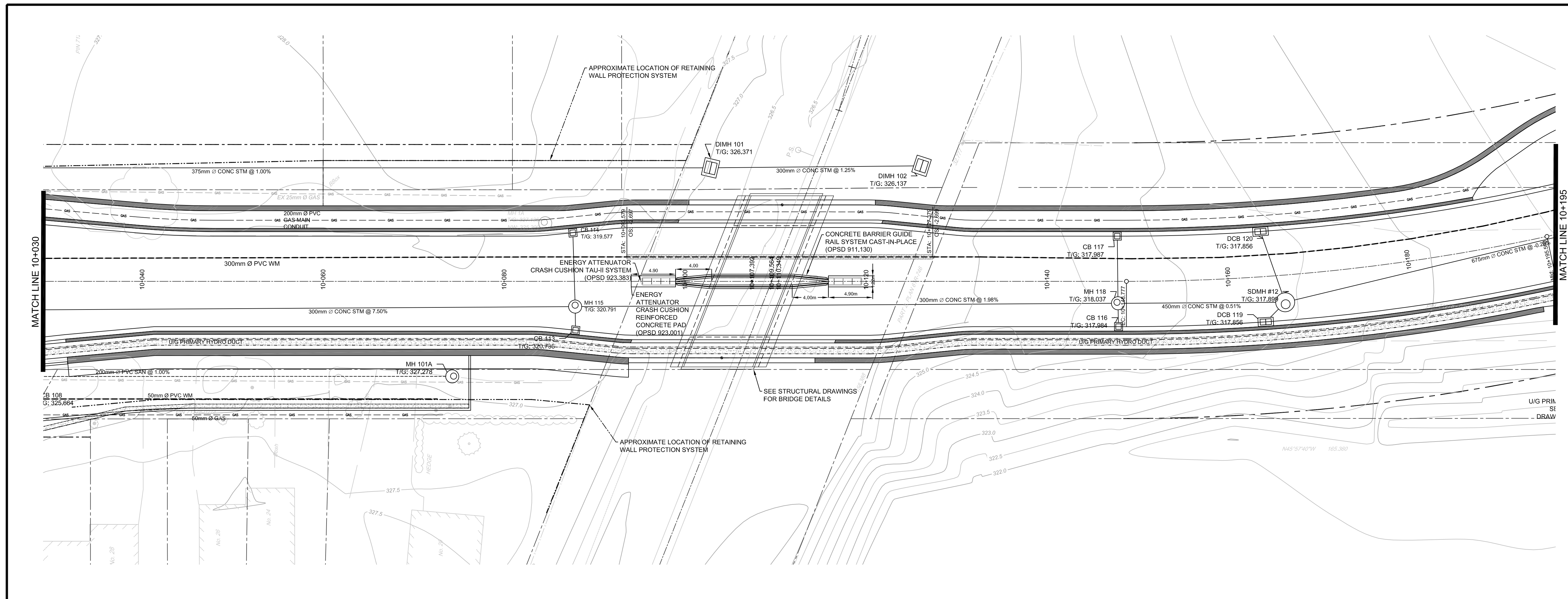
**CONSTRUCTION
SILVERCREEK PARKWAY**

STA: 10+030 - STA:10+195

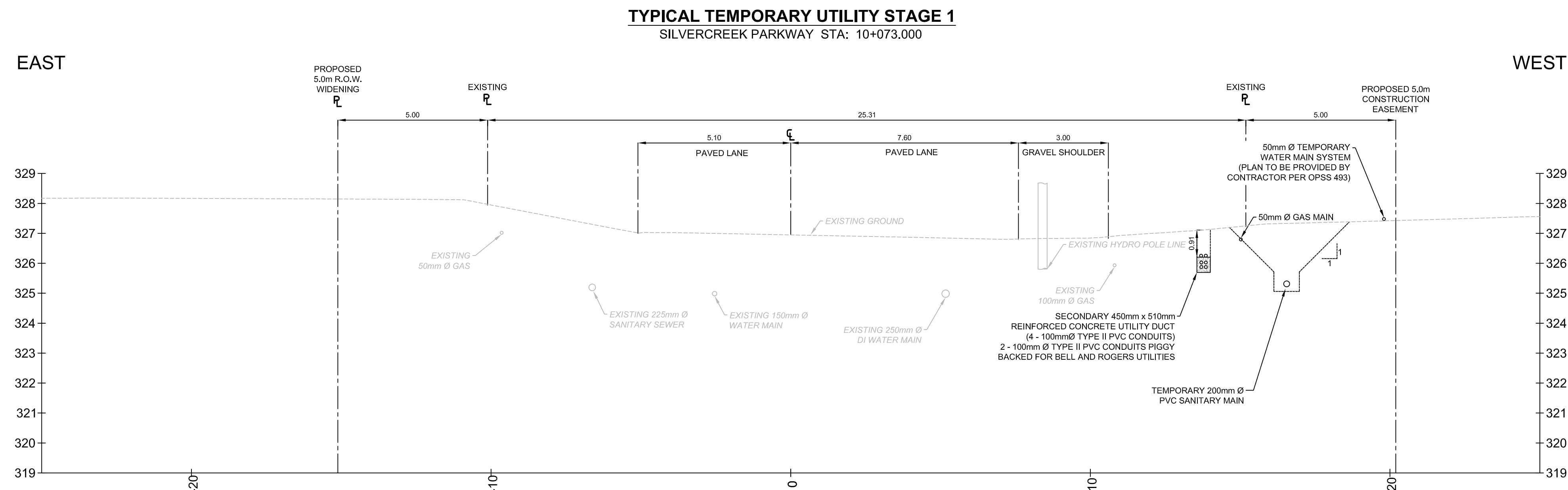
ELEVATION	STORM SEWER PROFILE	SANITARY SEWER PROFILE	STA
327			10+040
326			10+060
325			10+080
324			10+100
323			10+120
322			10+140
321			10+160
320			10+180
319			10+195

DRAWN BY:	DK
DESIGNED BY:	DK
CHECKED BY:	RJB
DATE:	2014/03/31
SCALE:	HORZ: 1:250 VERT: 1:50

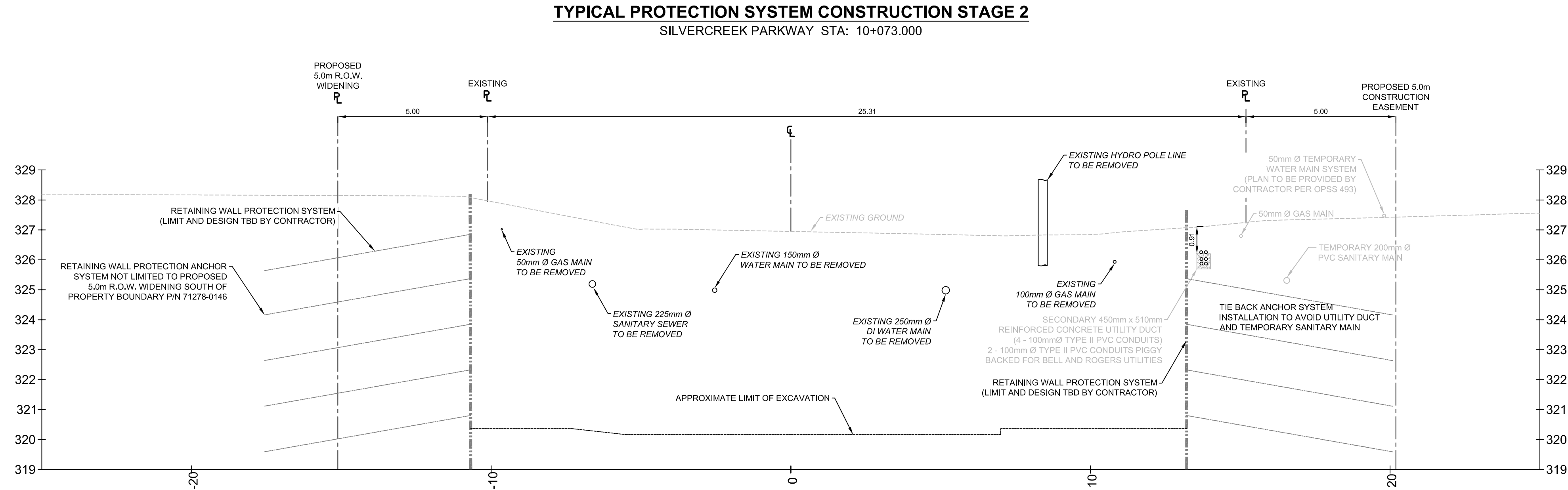
CONTRACT NO.	SHEET NO.	DWG. NO.
2-1413	2 of 9	1366-SC2



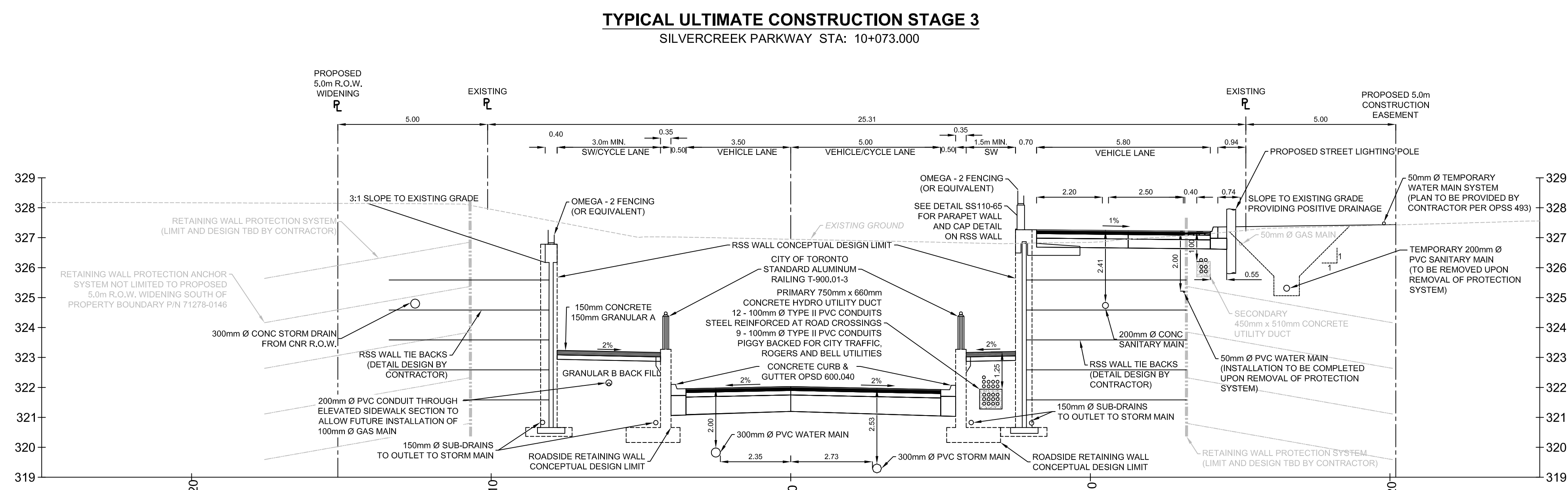
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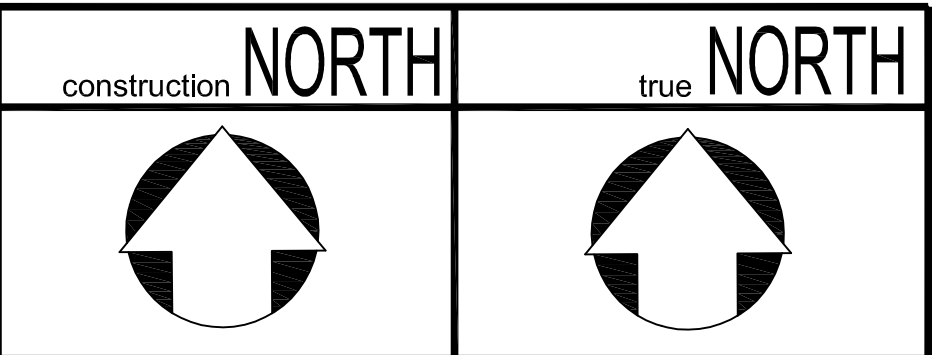
- #### STAGE 1
1. INSTALLATION OF TEMPORARY POTABLE WATER SYSTEM.
 2. INSTALLATION OF PERMANENT REINFORCED CONCRETE HYDRO UTILITY DUCT.
 3. INSTALLATION OF TEMPORARY 200mm Ø PVC SANITARY MAIN
 4. INSTALLATION OF PERMANENT GAS MAIN.



- #### STAGE 2
1. EXCAVATION FOR ULTIMATE DESIGN.
 2. REMOVAL OF ALL OBSOLETE UTILITIES.
 3. INSTALLATION OF RETAINING WALL PROTECTION SYSTEM.
- NOTE:** TIE BACK ANCHORS TO BE INSTALLED BELOW GAS MAIN, TEMPORARY SANITARY MAIN AND REINFORCED CONCRETE HYDRO UTILITY DUCT.



- #### STAGE 3
1. CONSTRUCTION OF RSS WALLS INCLUDING INSTALLATION OF PERMANENT SANITARY MAIN, CNR STORM DRAIN PIPE, AND PERMANENT WATER MAIN WITHIN RSS WALL TIE BACK ZONE.
 2. REMOVAL OF RSS WALL PROTECTION SYSTEM TO COINCIDE WITH RSS WALL CONSTRUCTION TO PERMIT FOR SANITARY SERVICE CONNECTIONS TO PERMANENT SANITARY MAIN.
 3. REMOVAL OF TEMPORARY SANITARY MAIN AND TEMPORARY WATER SERVICE.
 4. CONSTRUCTION OF ROAD SIDE RETAINING WALLS, UTILITIES AND ROAD WORKS.
- NOTE:** REINFORCED CONCRETE HYDRO UTILITY DUCT MAY REQUIRE TEMPORARY SUPPORT DURING SANITARY AND WATER SERVICE CONNECTIONS.



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- #### NOTES:
- GENERAL**
1. CONTRACTOR RESPONSIBLE FOR DETAIL DESIGN, SUPPLY, PLACE AND CONSTRUCTION OF ALL RETAINING WALLS AND OMEGA - 2 (OR EQUIVALENT) SAFETY FENCING.
 2. CONTRACTOR RESPONSIBLE FOR SUPPLY OF RETAINING WALL DESIGN DRAWINGS TO BE APPROVED BY AT LEAST TWO (2) LICENSED PROFESSIONAL ENGINEERS.
 2. RETAINED SOIL SYSTEM SHALL HAVE THE FOLLOWING ATTRIBUTES:
APPLICATION: VERTICAL
PERFORMANCE: HIGH
APPEARANCE: HIGH
 3. ALL RETAINING WALL ELEVATIONS SHOWN ARE TO TOP OF CAP.
 4. BOTTOM OF RSS WALL TO BE AT OR BELOW UNDERSIDE OF FOOTINGS FOR ELEVATED SIDEWALK RETAINING WALLS.
 5. ELEVATED SIDEWALK FOOTINGS SHALL HAVE A MINIMUM OF 1.2m COVER FOR FROST PROTECTION.
 6. FOR BOREHOLE LOG INFORMATION SEE SHEET NUMBER XXXX-XX AND GEOTECHNICAL INVESTIGATIONS SILVERCREEK PARKWAY ROAD IMPROVEMENTS AND CNR GRADE SEPARATION REPORT COMPLETED BY PETO MACCALLUM LIMITED 2012/03/14 PROVIDED BY THE CITY OF GUELPH.

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 588 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.
ELEV. = 327.590m.

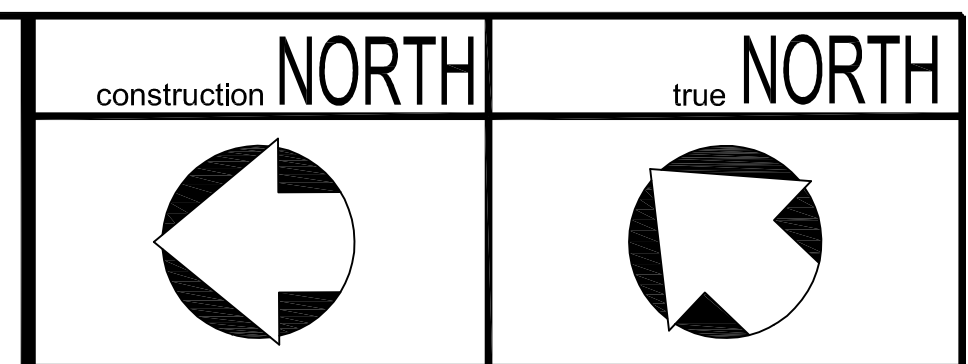
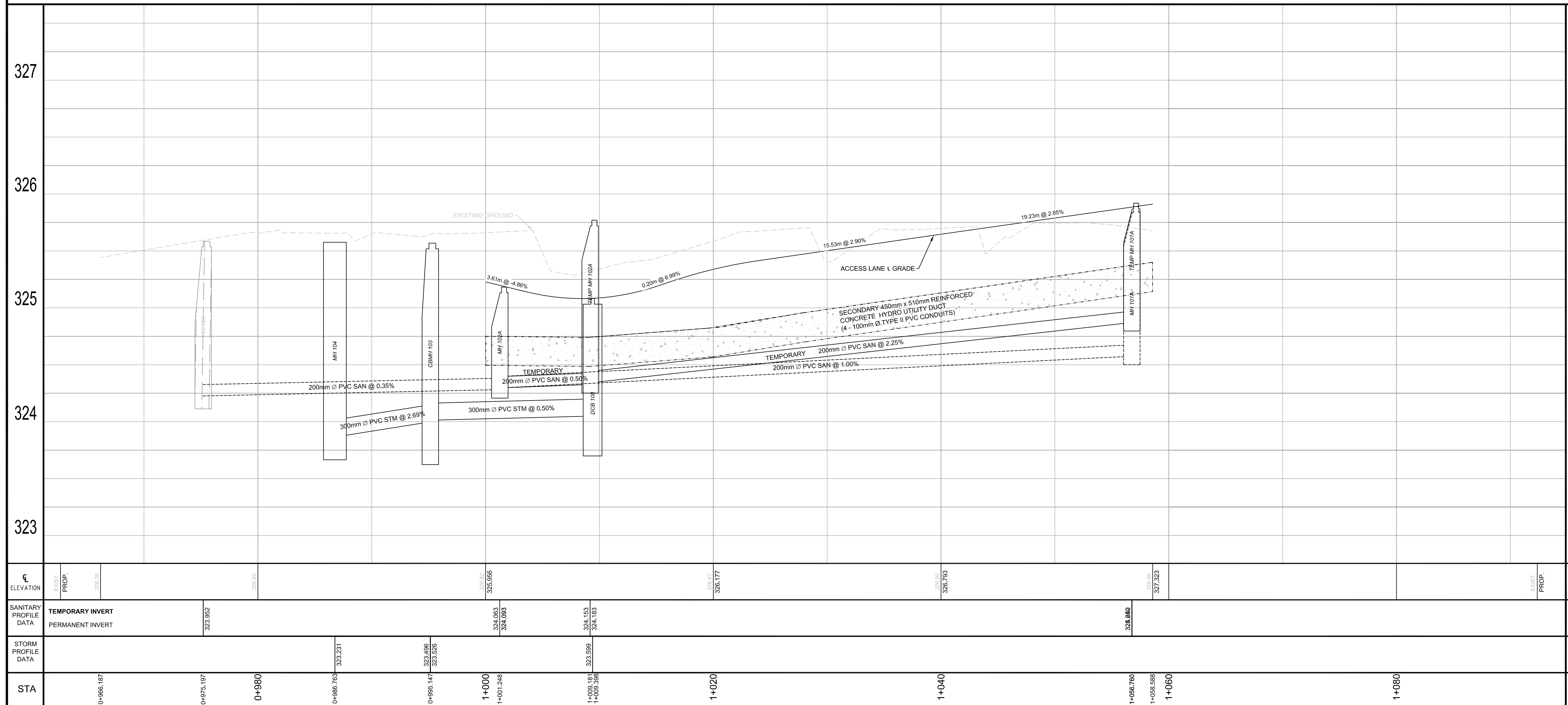
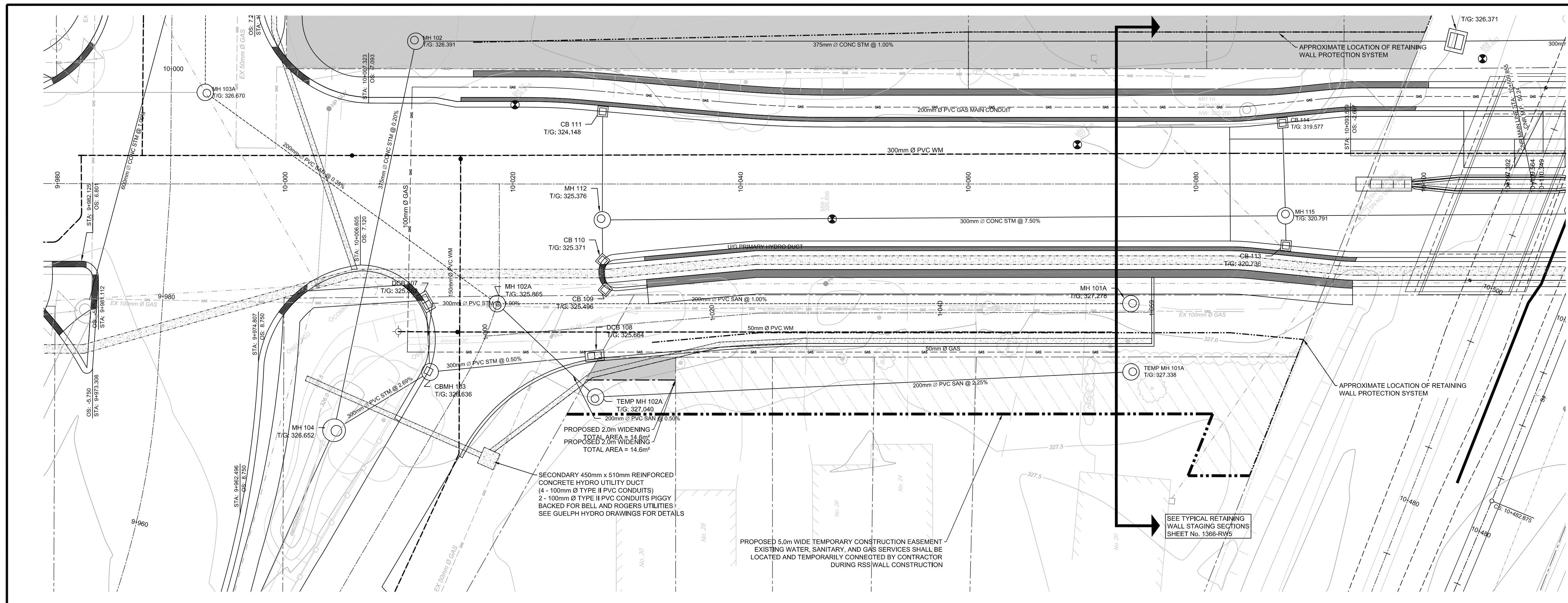
No.	REVISION	By	DATE
1	REVISED UTILITIES (GAS, WM, HYDRO, COMM)	DK	2013/05/02
0	SUBMISSION FOR UTILITY REVIEW	DK	2013/02/19



TYPICAL STAGING SECTIONS
SILVERCREEK PARKWAY
STA. 10+073

DESIGN BY: P. Pittens	APPROVED BY: B. Bower	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: BB
		DATE: 2013/02/19
		SCALE: HORZ: 1:100 VERT: 1:100
FILE NAME: TW-1366	SHEET No.: 2 of 2	DWG. No.: 1366-MX

DRAWING NAME: 201111PRD-ECT3701306 - Silvercreek Rd. Grade Separation, City of Guelph/PEF, General Detail Design/0130130602 - Silvercreek Parkway - 026.00



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- - - EXISTING WATER MAIN
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- - - EXISTING TOP OF BANK
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- - - EXISTING DRAINAGE SWALES
- - - PROPOSED ROW
- - - PROPOSED RAILWAY
- - - PROPOSED WATER MAIN
- - - PROPOSED SANITARY SEWER
- - - PROPOSED STORM SEWER
- - - PROPOSED U/G CONCRETE HYDRO DUCT
- - - PROPOSED GRADING SLOPES
- - - PROPOSED DRAINAGE DIRECTION OF FLOW AND GRADE
- - - PROPOSED DRAINAGE SWALE
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- BORE HOLE OR MONITORING WELL - I.D.
- GROUND ELEVATION (m)

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CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND. COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

0	SUBMISSION FOR UTILITY REVIEW	DK	2013/02/19
No.	REVISION	By	DATE



CONSTRUCTION
SILVERCREEK SERVICE LANE

FILE NAME:	2-1413	SHEET No.:	1 of 1	DWG. No.:	1366-SL1
DRAWN BY:		DESIGNED BY:		CHECKED BY:	
DK		PCMP		RJB	
DATE:		SCALE:		VERT:	
2013/02/19		HORIZ: 1:200		1:40	

THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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 - PROPOSED RAILWAY
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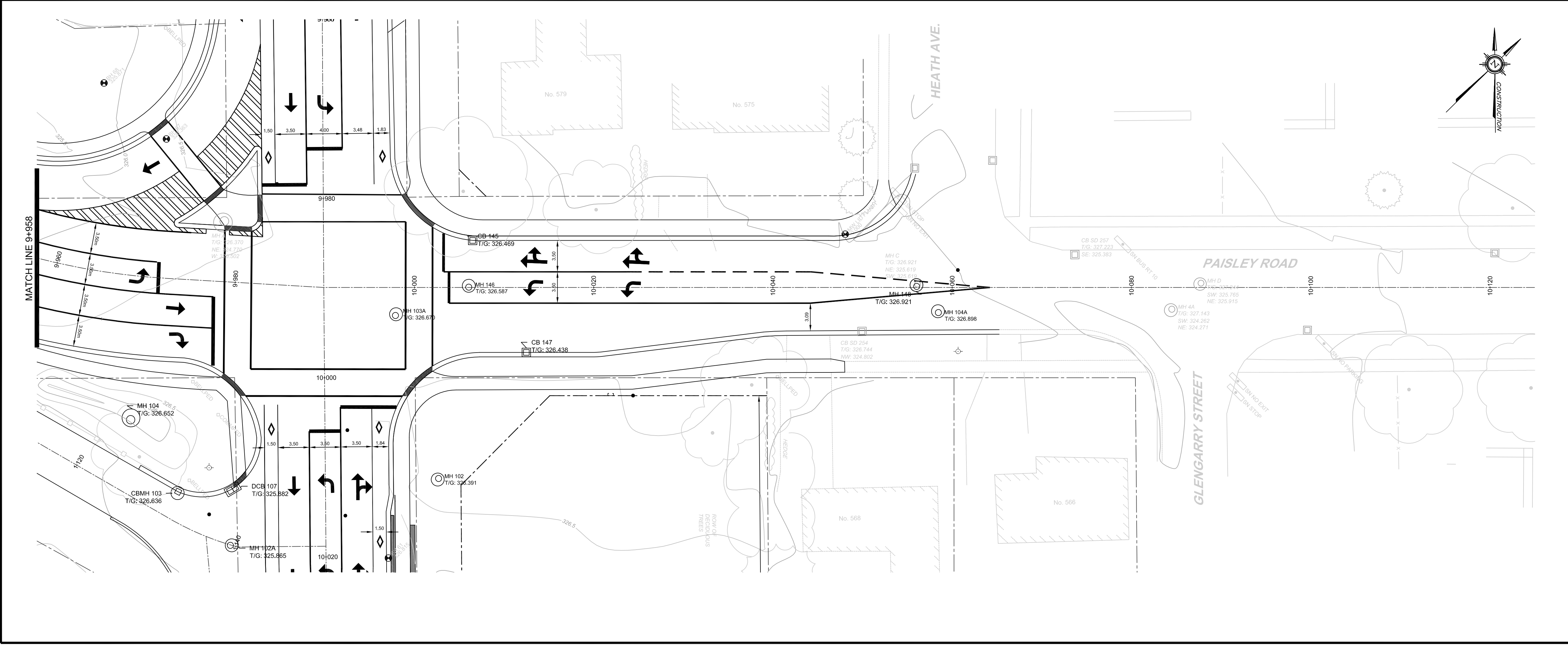
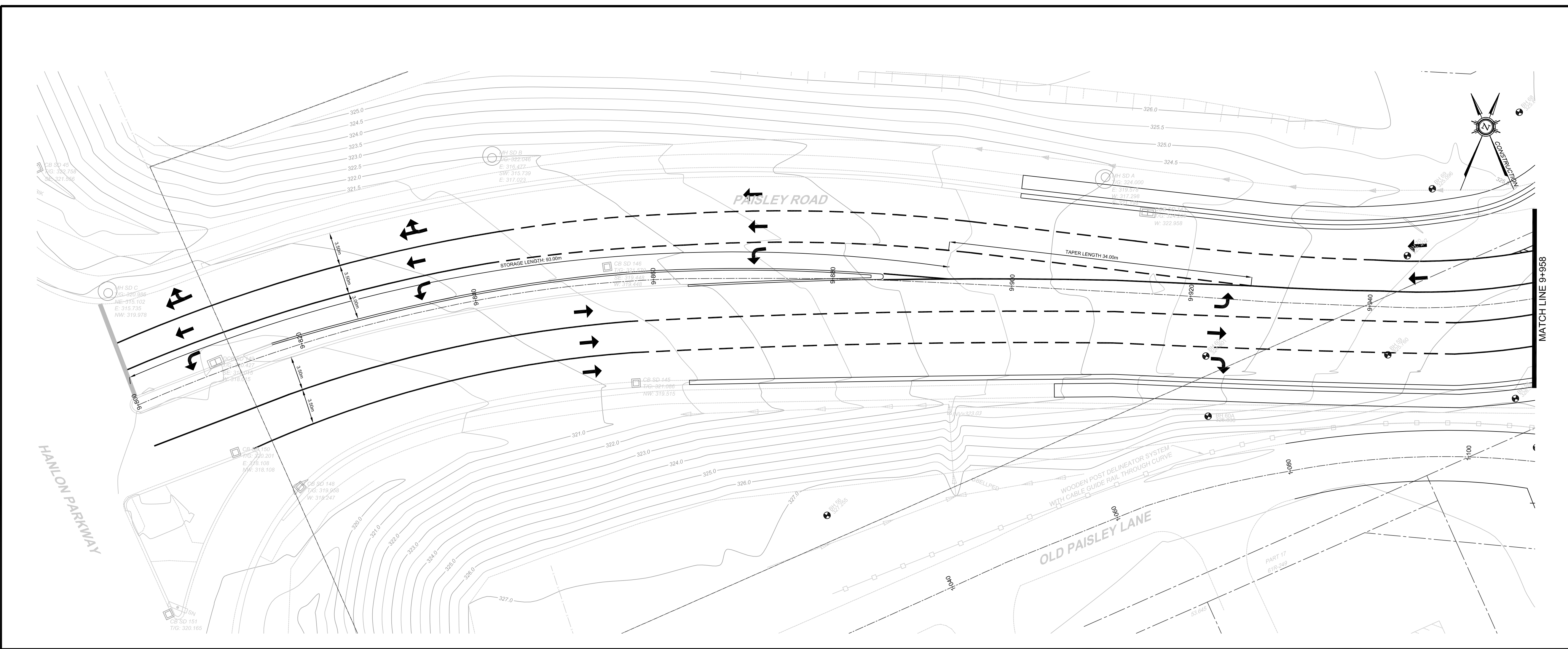


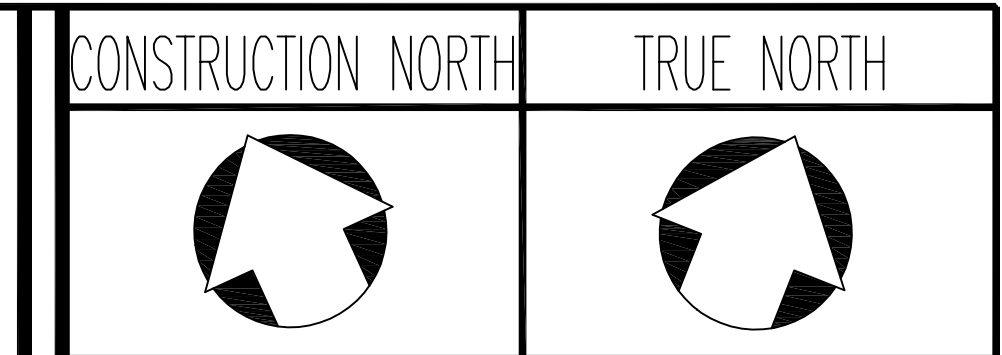
LANE CONFIGURATION

PAISLEY ROAD - HANLON PKWY TO HEATH AVE.

STA: 9+800 - STA: 10+095

DRAWN BY: DK	DESIGNED BY: DK
	CHECKED BY: RJB
	DATE: 2014/02/19
	SCALE: HORZ: 1:250 VERT: N/A
	CONTRACT NO. 2-1413



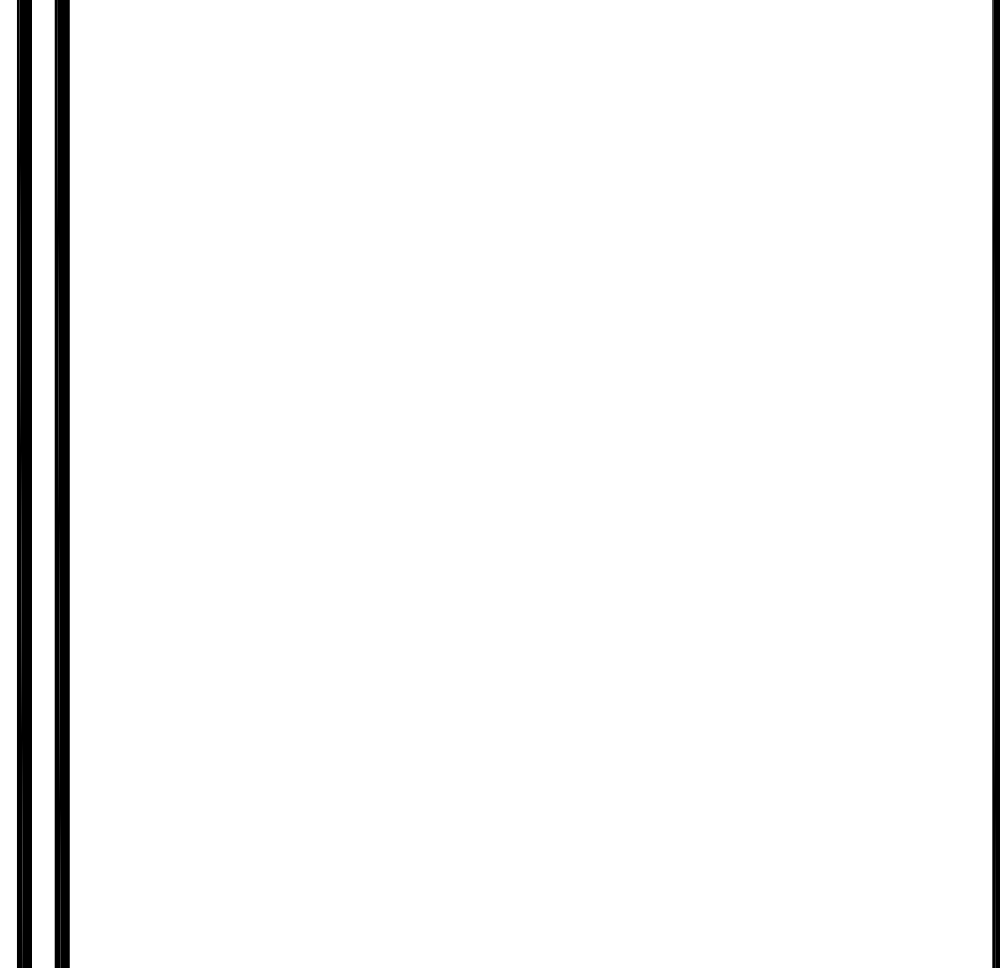


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GENERAL NOTES:



LEGEND

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE REMOVED
- EXISTING PROPERTY BOUNDARY
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING SIDEWALK
- EXISTING BACK OF CURB
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- WATER MAIN REMOVAL
- STORM SEWER REMOVAL
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- EXISTING FENCE LINE
- BORE HOLE OR MONITORING WELL - I.D.
- GROUND ELEVATION (m)

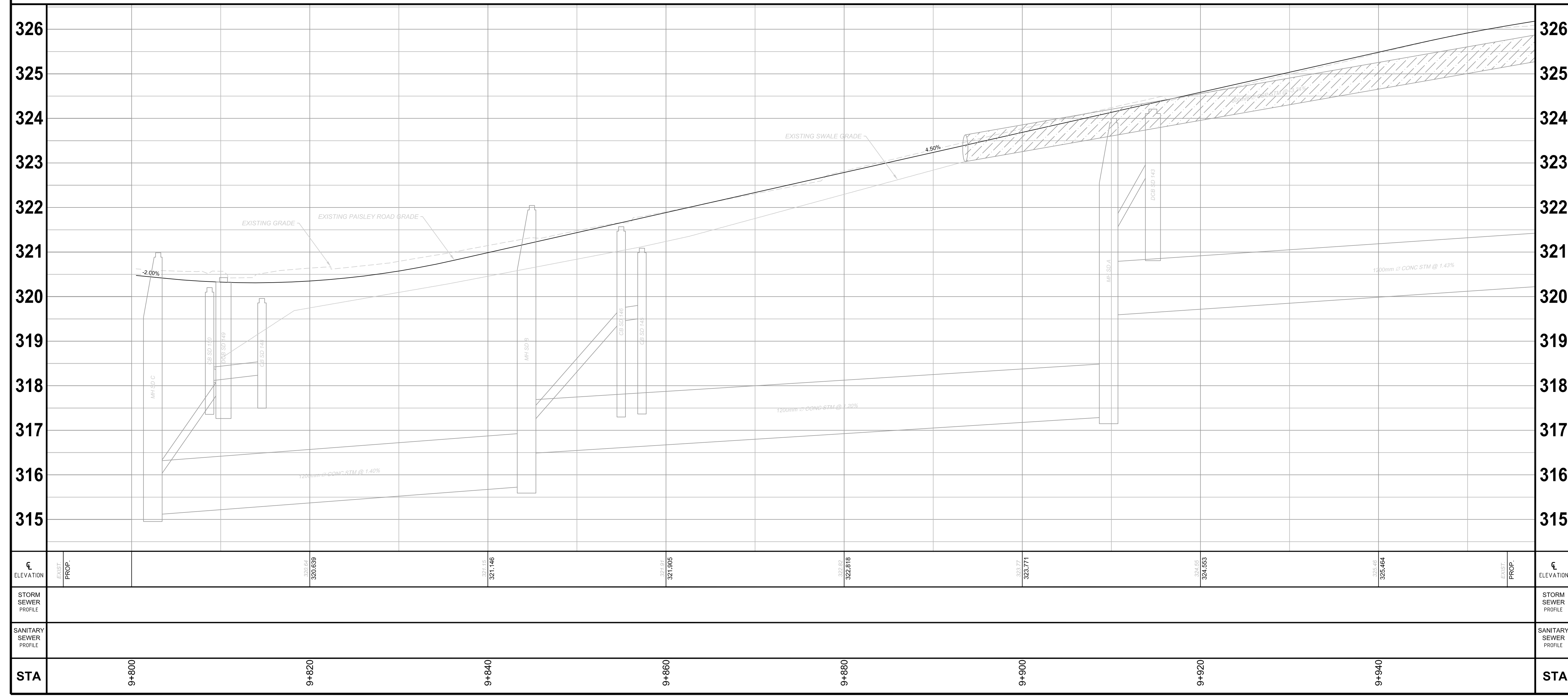
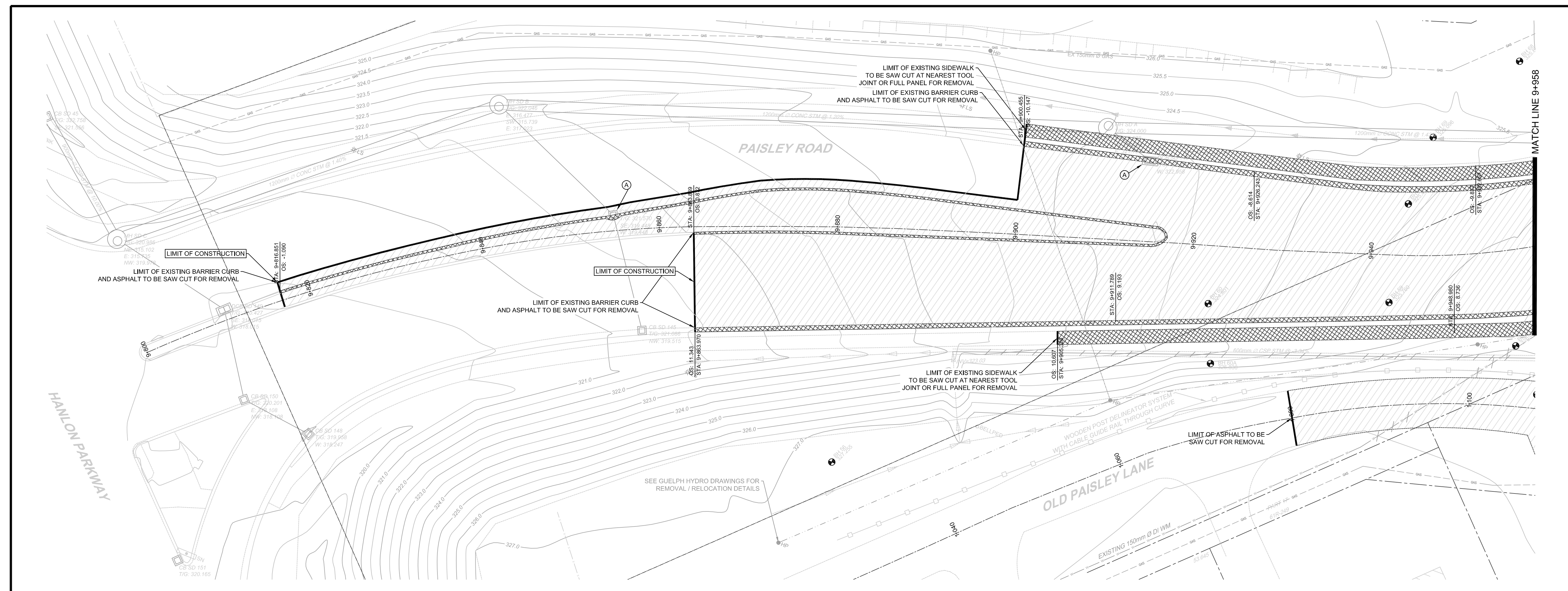
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 CITY OF GUELPH BENCHMARK #58A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND. COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

No.	REVISION	By	DATE
0	INITIAL SUBMISSION FOR REVIEW	DK	2014/02/19

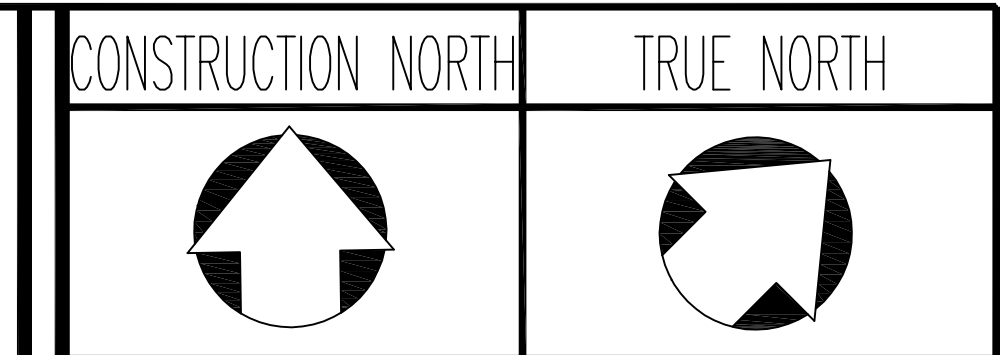


REMOVALS
PAISLEY ROAD
 STA: 9+800 - STA: 9+958

CONTRACT NO.	2-1413	SHEET NO.	2 of 5	DWG. NO.	1366-P2
DESIGNED BY:	DK	CHECKED BY:	RJB	DATE:	2014/02/19
SCALE:	HORIZ: 1:250		VERT: 1:50		



DRAWING NAME: C:\Browsers\Server\2014\2413\1366-General\Drawal\Drawal\2014\02\19 - 2014.mxd; WorkBy: DK

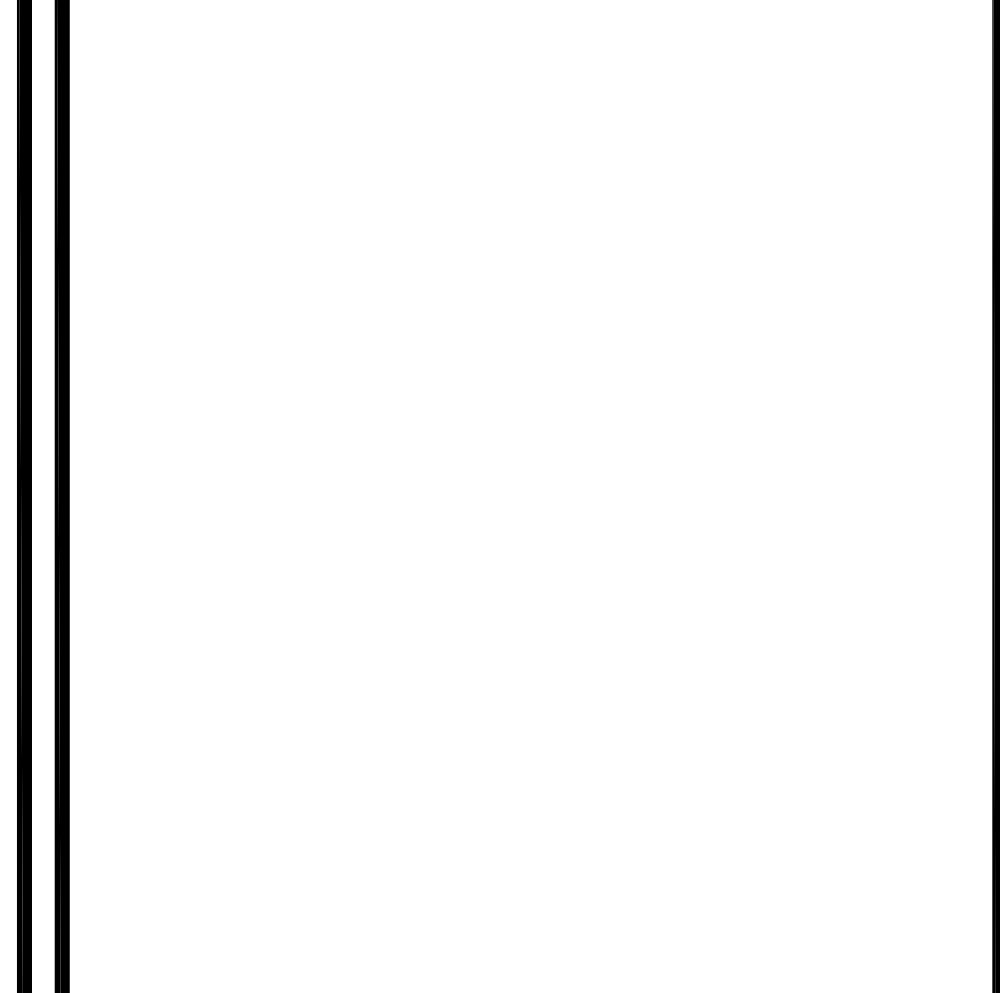


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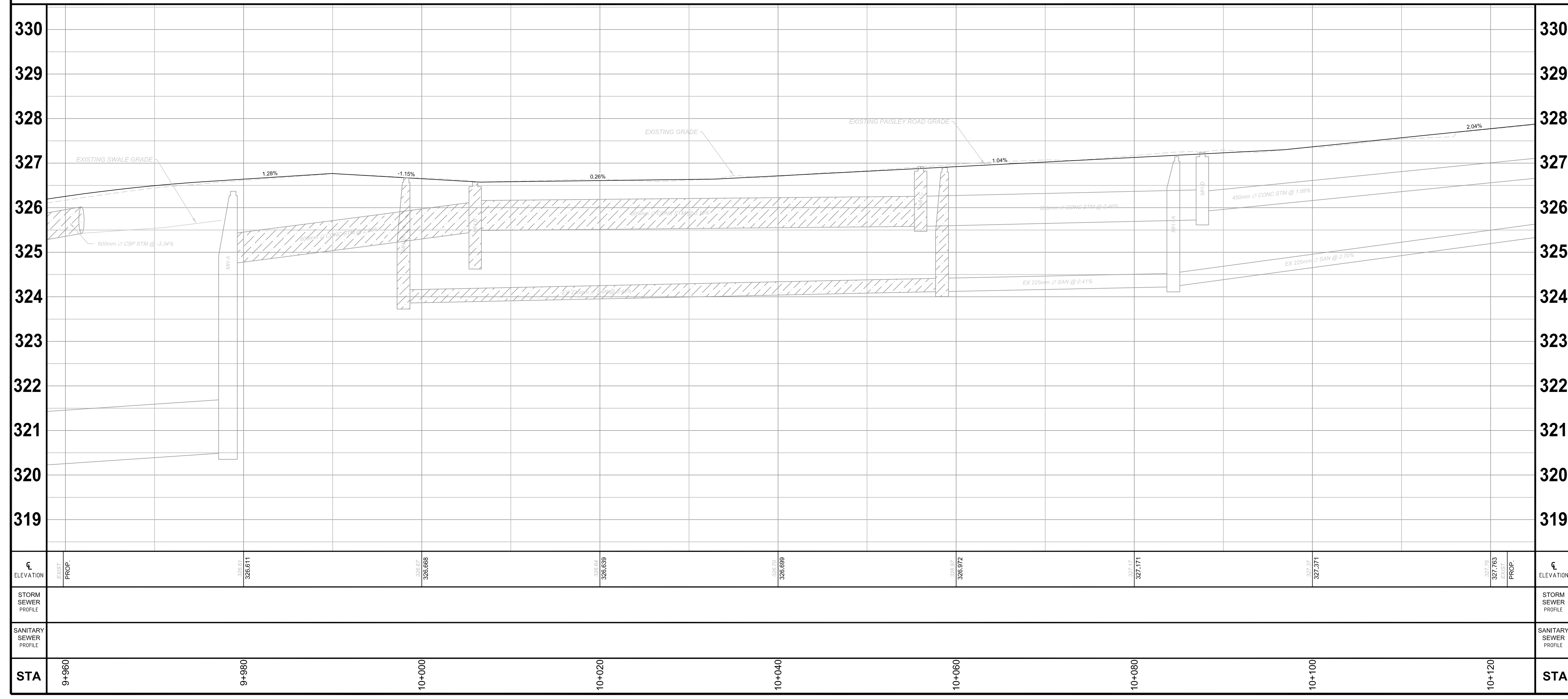
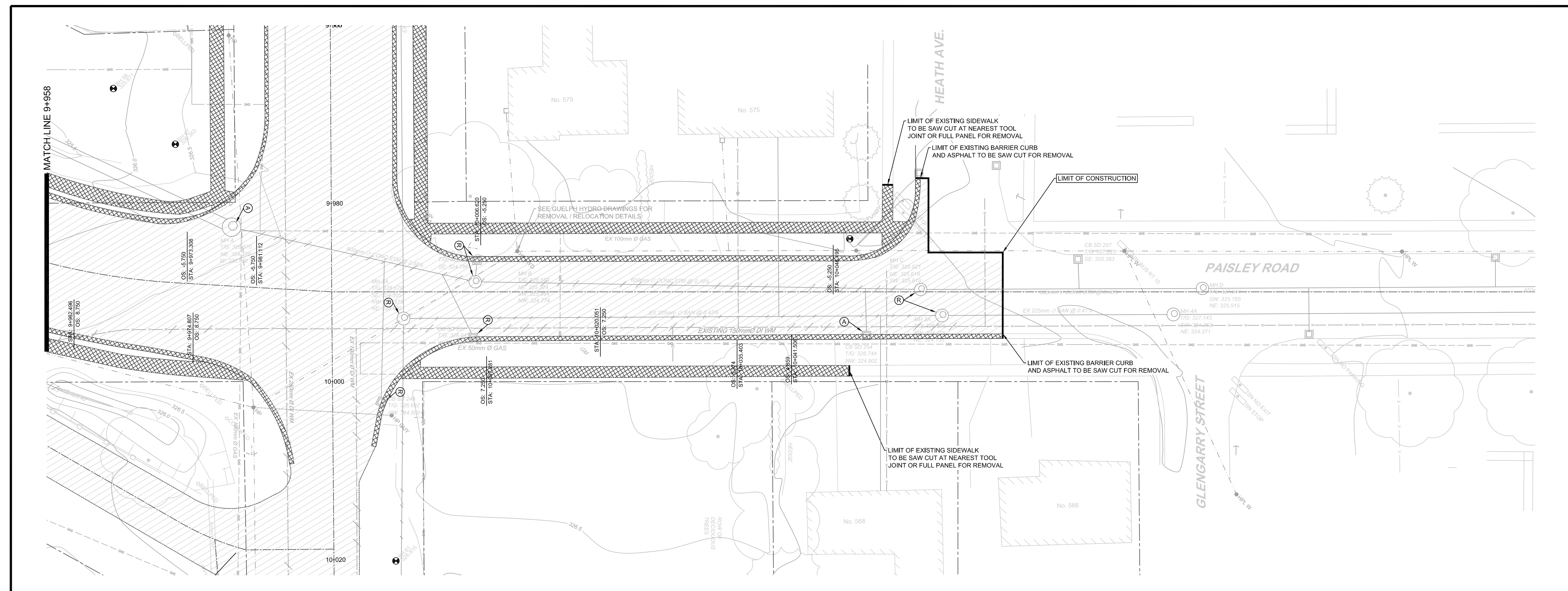
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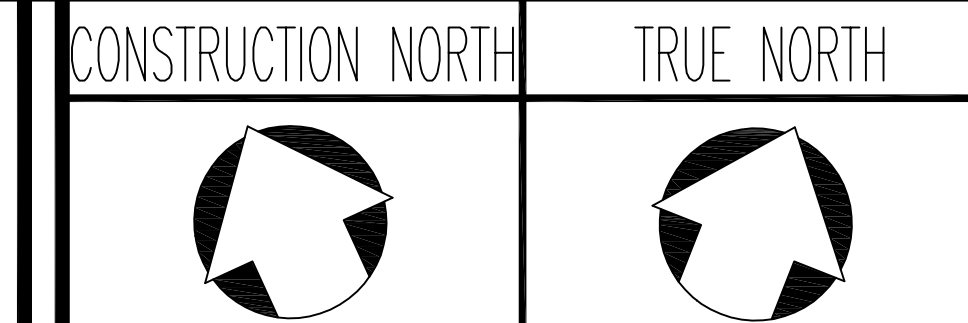


REMOVALS
PAISLEY ROAD
 STA: 9+958 - STA: 10+065.25

CONTRACT NO. 2-1413	SHEET NO. 3 of 5	DWG. NO. 1366-P3	DRAWN BY: DK
			DESIGNED BY: DK
			CHECKED BY: RJB
			DATE: 2014/02/19
			SCALE: HORZ: 1:250 VERT: 1:50



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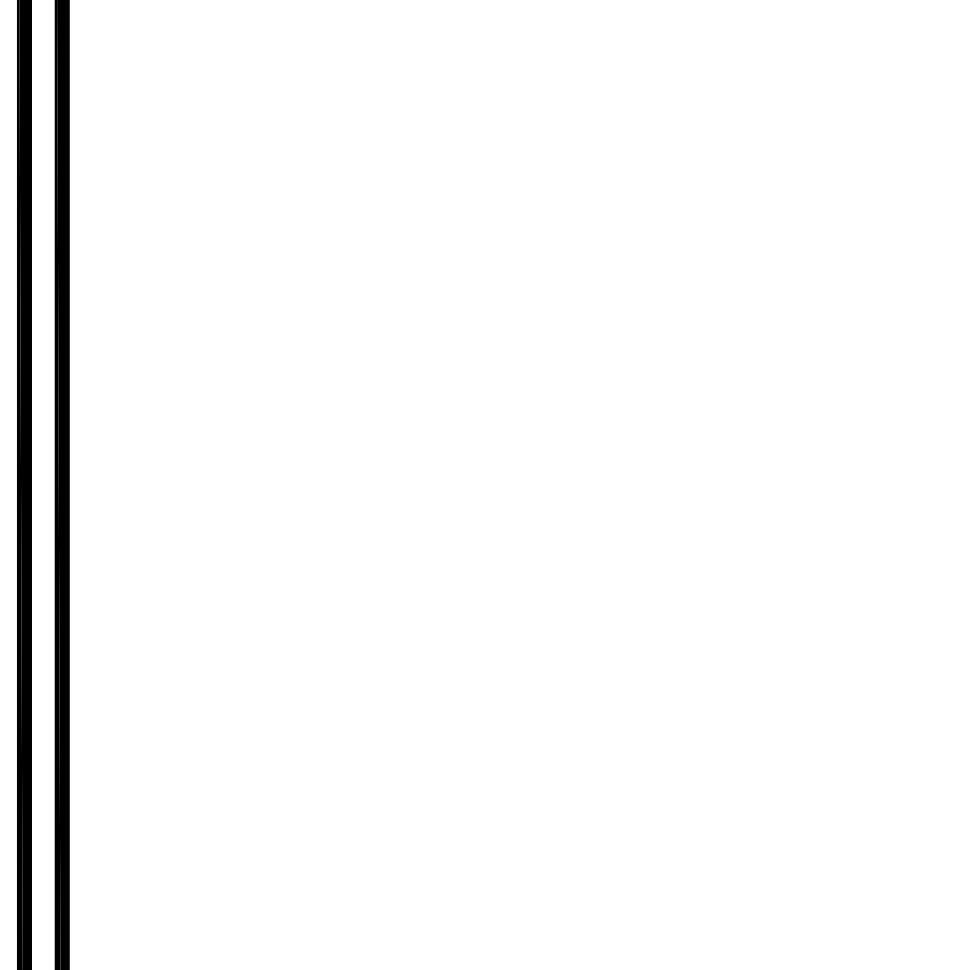


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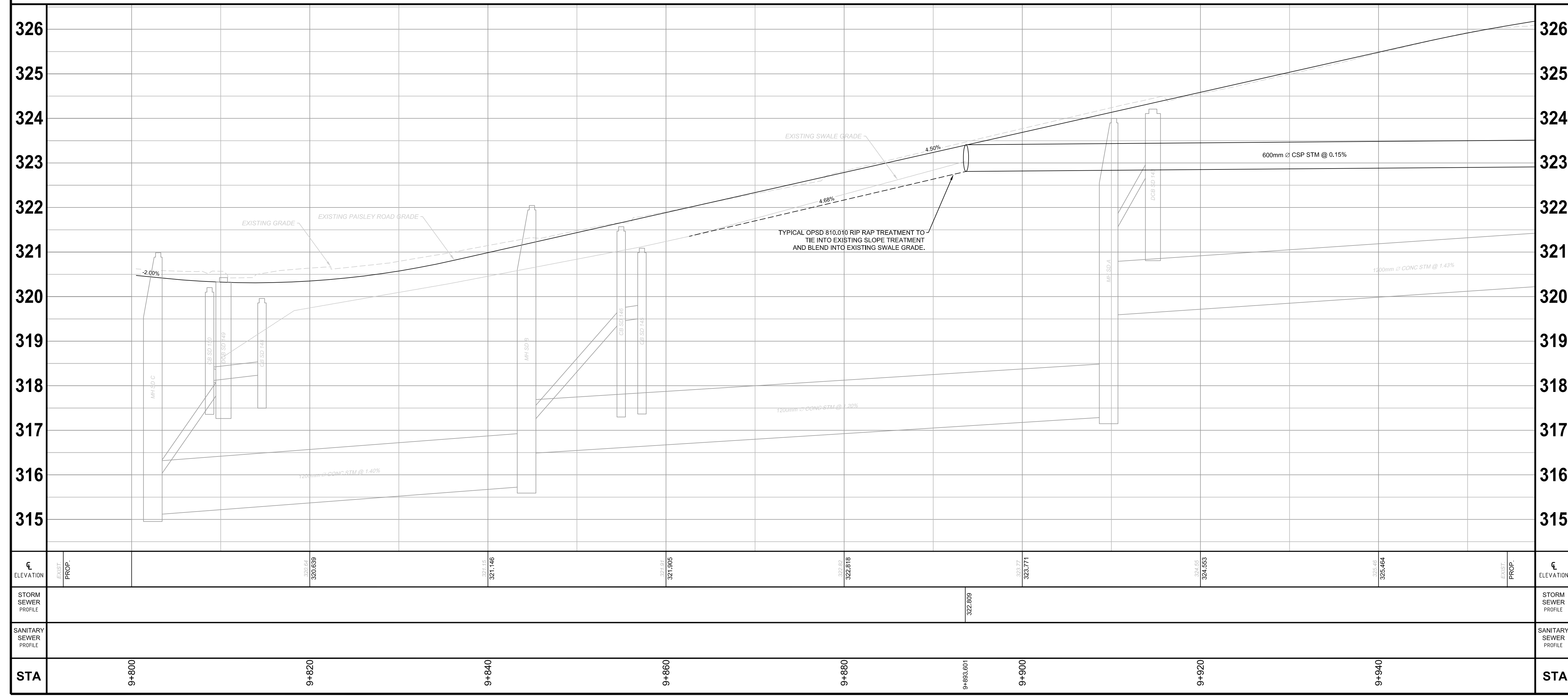
No.	REVISION	By	DATE
0	INITIAL SUBMISSION FOR REVIEW	DK	2014/02/10



CONSTRUCTION
PAISLEY ROAD
 STA: 9+800 - STA: 9+958

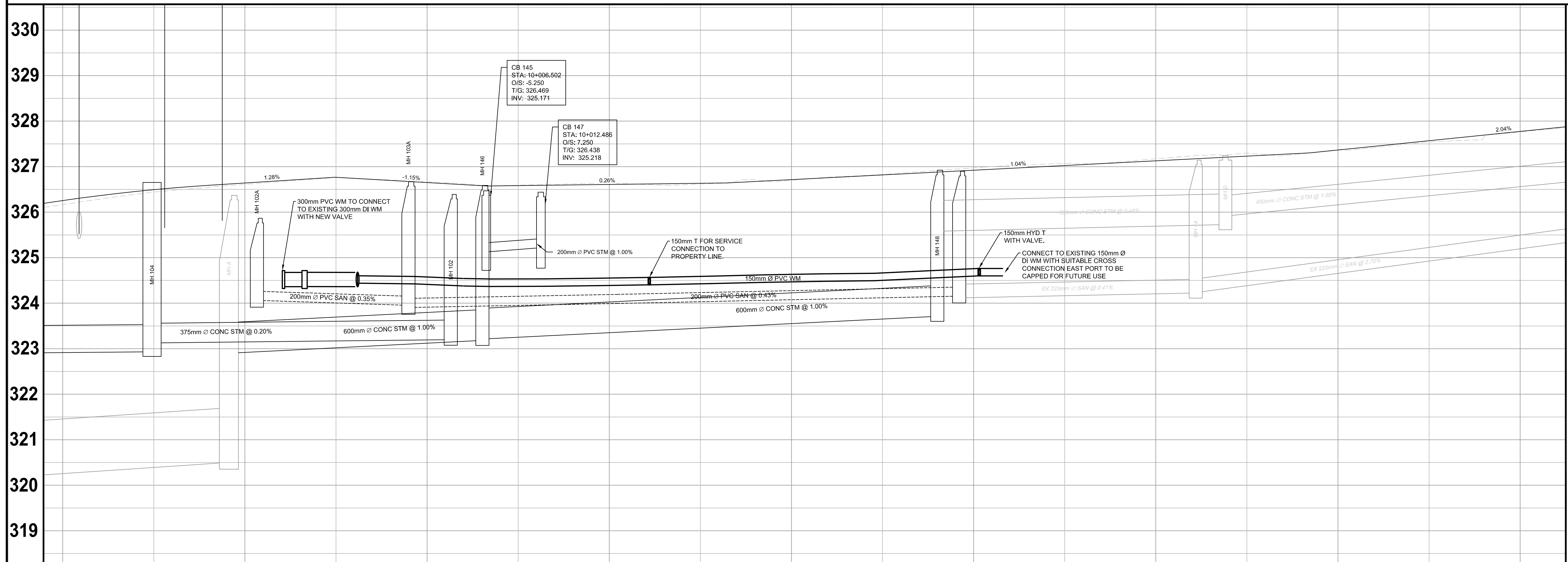
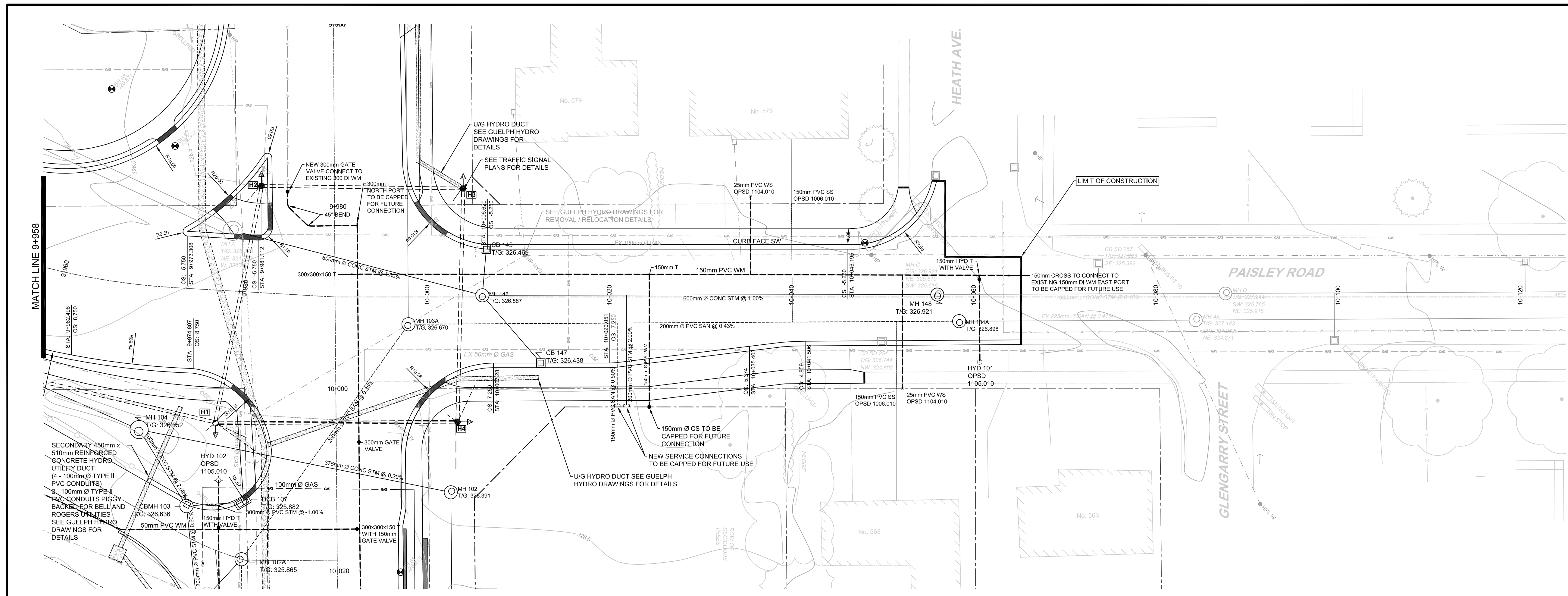
DRAWN BY: DK
DESIGNED BY: DK
CHECKED BY: RJB
DATE: 2014/02/10
SCALE: HORZ: 1:250 VERT: 1:50

CONTRACT NO. 2-1413	SHEET NO. 4 of 5	DWG. NO. 1366-P4
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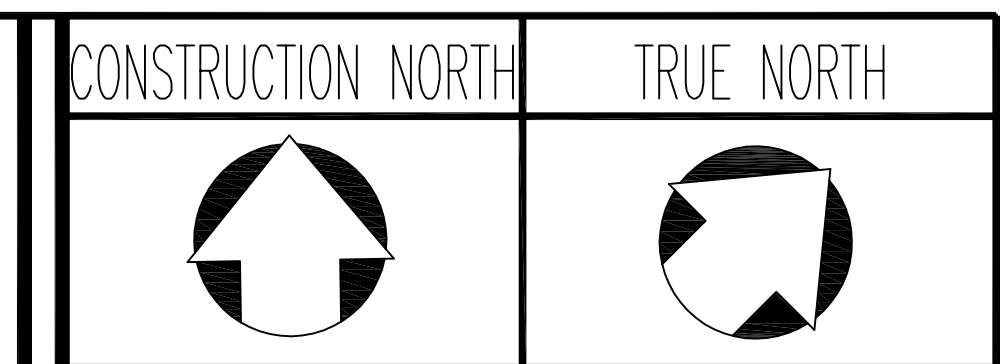


STA	9+800	9+820	9+840	9+860	9+880	9+900	9+920	9+940
ELEVATION	320.639	321.148	321.995	322.818	323.771	324.553	325.464	
STORM SEWER PROFILE								
SANITARY SEWER PROFILE								

CONTRACT NO. 2-1413	SHEET NO. 4 of 5	DWG. NO. 1366-P4
-------------------------------	----------------------------	----------------------------



STA	ELEVATION	STORM SEWER PROFILE	SANITARY SEWER PROFILE
9+960	327.931	323.05	323.984
9+980	326.611	323.225	323.895
10+000	326.988	323.225	323.894
10+020	326.638	323.409	323.894
10+040	326.899	323.750	324.195
10+060	326.972	323.717	324.195
10+100	327.371	327.763	
10+120	327.763		

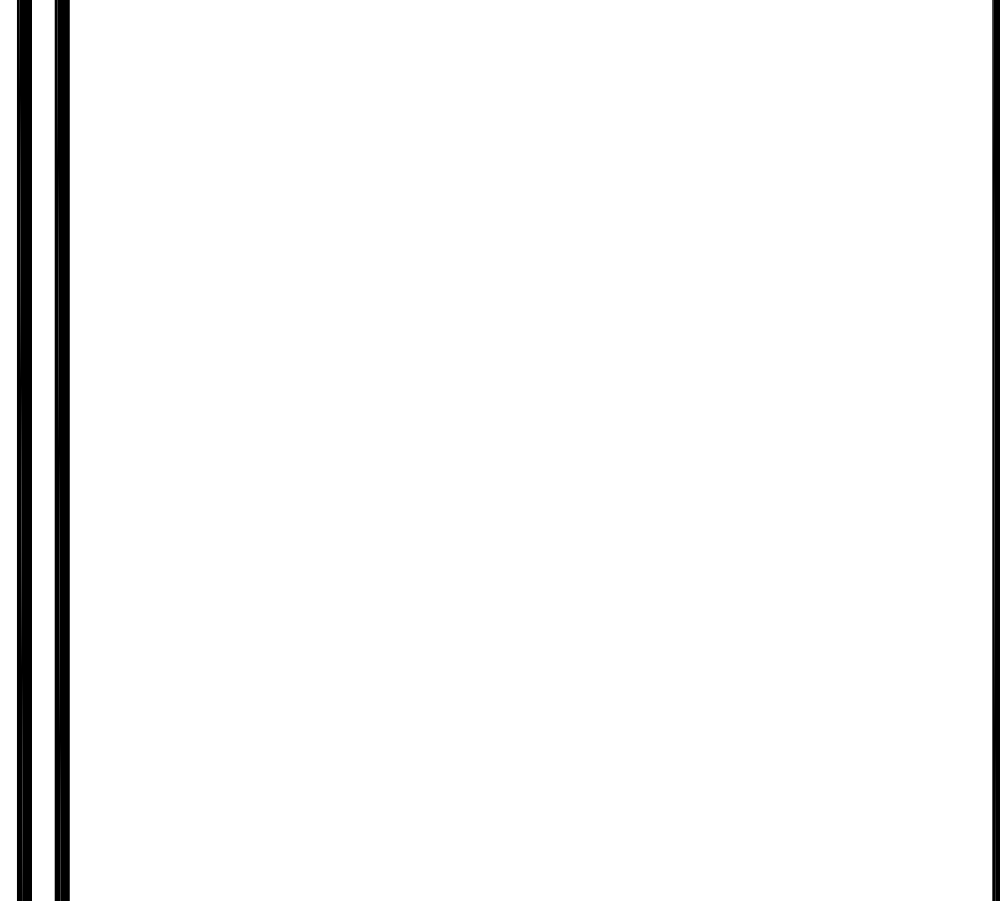


THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

BEFORE STARTING WORK

THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

GENERAL NOTES:



BENCHMARK: ELEVATION = 327.590m.
 CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND. COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

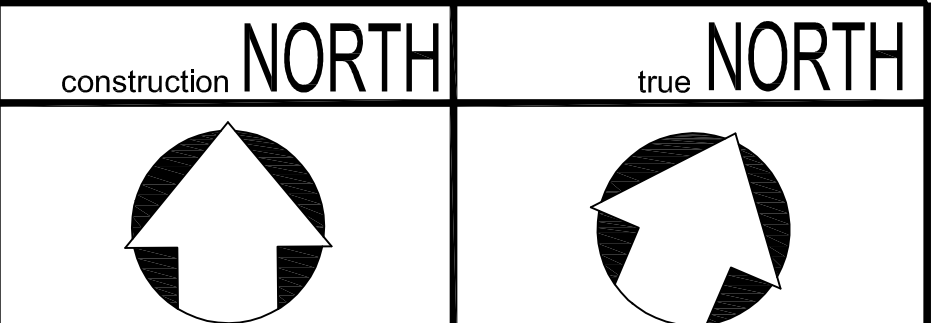
No.	REVISION	By	DATE
0	INITIAL SUBMISSION FOR REVIEW	DK	2014/02/10

 City of Guelph Making a Difference			
 Delcan <small>INCORPORATION, CONSULTING, TECHNOLOGY</small>			
CONSTRUCTION PAISLEY ROAD STA: 9+958 - STA: 10+065.25			

DRAWN BY:	DK
	DESIGNED BY:
	DK
	CHECKED BY:
RJB	
DATE:	2014/02/10
SCALE:	HORZ: 1:250 VERT: 1:50

CONTRACT NO.	SHEET NO.	DWG. NO.
2-1413	5 of 5	1366-P5

DRAWING NAME: C:\Bim\work\Server\2014\2014\BPS\General\Drawings\2014\2-1413 - 2014.mxd; Work by: DK

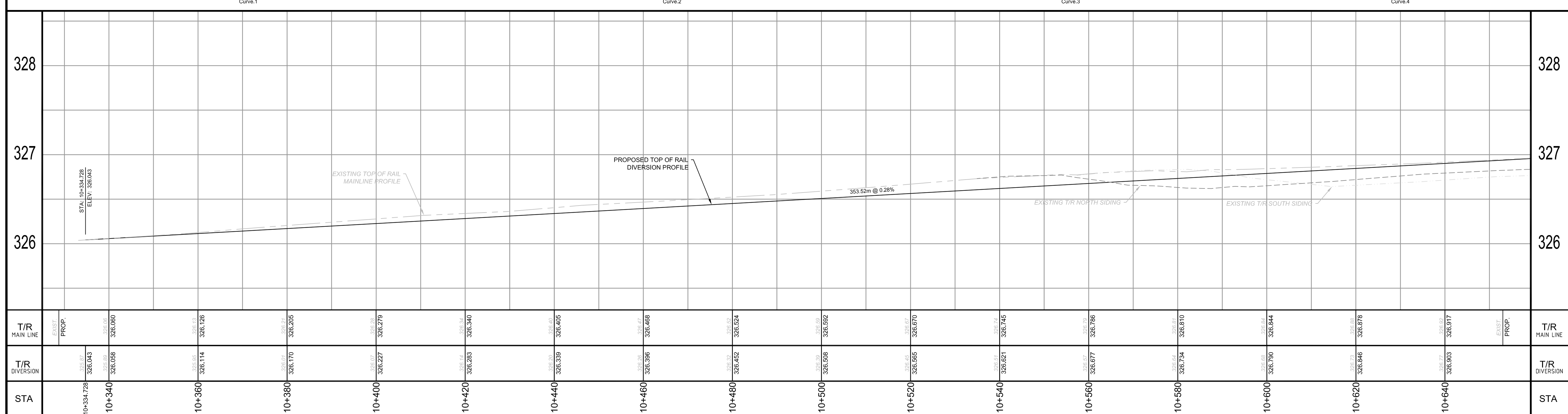
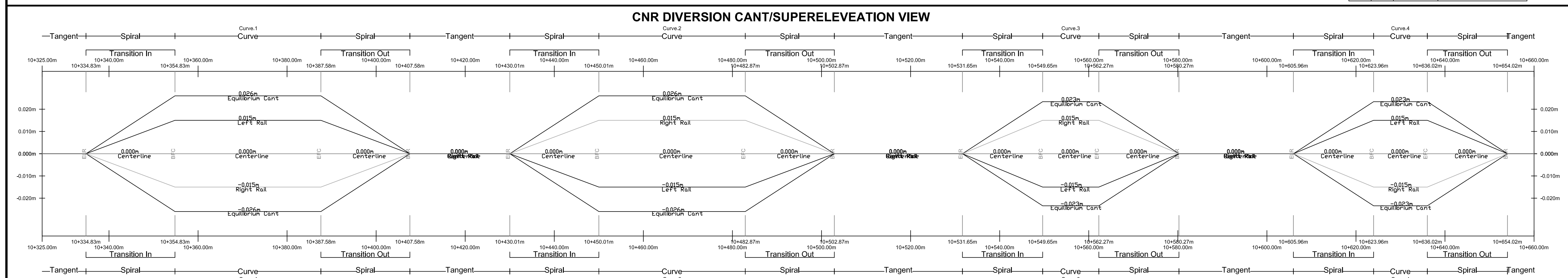
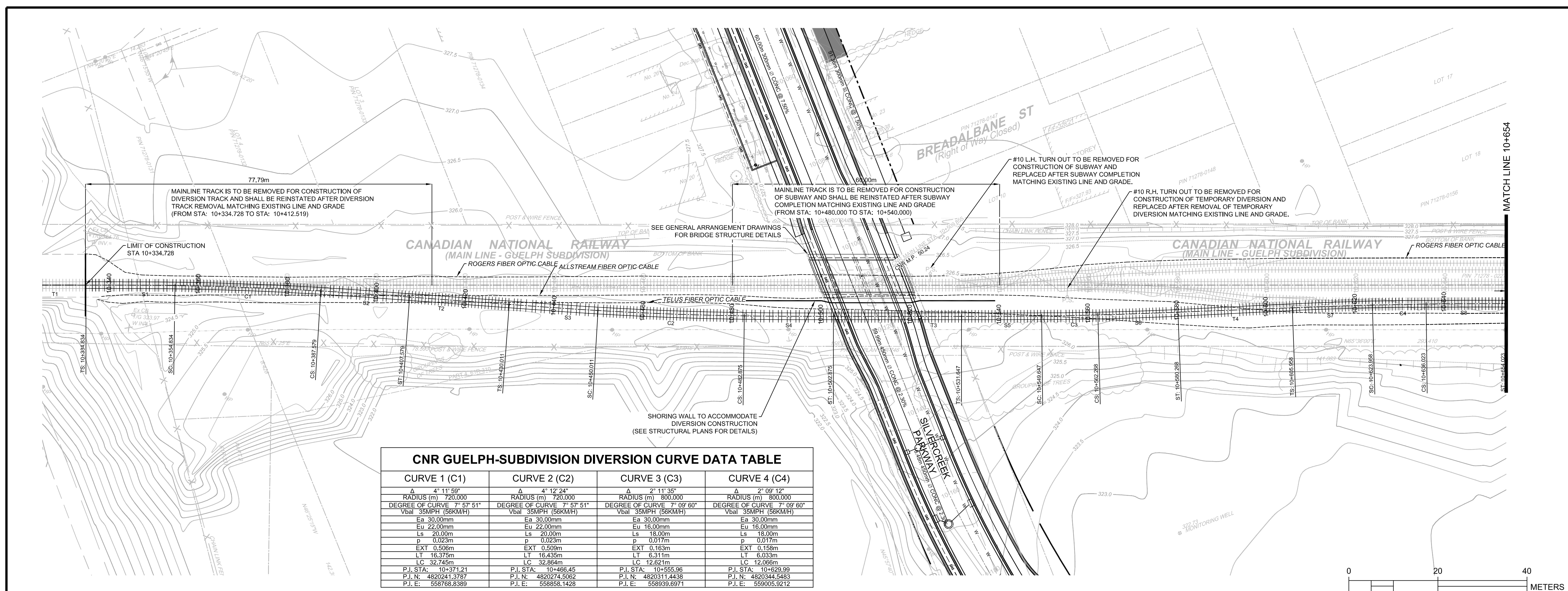


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- NOTES:**
- TRACK REMOVAL LIMITS SUBJECT TO APPROVAL OF RAIL AUTHORITY
 - SEQUENCE FOR DIVERSION TRACK CONSTRUCTION**
 - REMOVE NORTH AND SOUTH #10 TURNOUTS, EAST OF THE PROPOSED SILVERCREEK SUBWAY STRUCTURE.
 - REMOVE AND SALVAGE TRACKS AT SUBWAY STRUCTURE AND DIVERSION TIE-IN AREAS.
 - BUILD DIVERSION.



TOPOGRAPHIC SURVEY

COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK

CITY OF GUELPH BENCHMARK #55A BEING A TABLE LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
4	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
3	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/06
2	REVISION FOR RAIL AUTHORITY APPROVAL	DK	2012/07/09
1	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/06/26
0	SUBMISSION FOR INTERNAL REVIEW	DK	2012/06/22



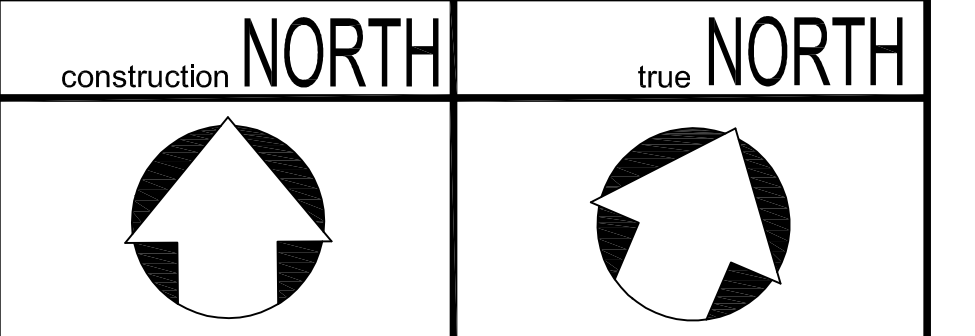
SILVERCREEK GRADE SEPARATION - MP 50.24

CNR GUELPH-SUB. DIVERSION

STA: 10+335 - STA: 10+654

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/06/22
		SCALE: HORZ: 1:500 VERT: 1:25
FILE NAME: TW-1366	SHEET No.:	DWG. No.:
	1 of 16	1366-R1

DRAWING NAME: SILVERCREEK GRADE SEPARATION - MP 50.24; SHEET NO: 1 OF 16; DWG NO: 1366-R1; DATE: 2012/06/22; PROJECT: SILVERCREEK GRADE SEPARATION; CLIENT: CITY OF GUELPH; DESIGNED BY: PCMP; CHECKED BY: PFJ; DRAWN BY: DK; APPROVED BY: P. JEFFORD; DESIGNER: P. PITTESS



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BEFORE STARTING WORK

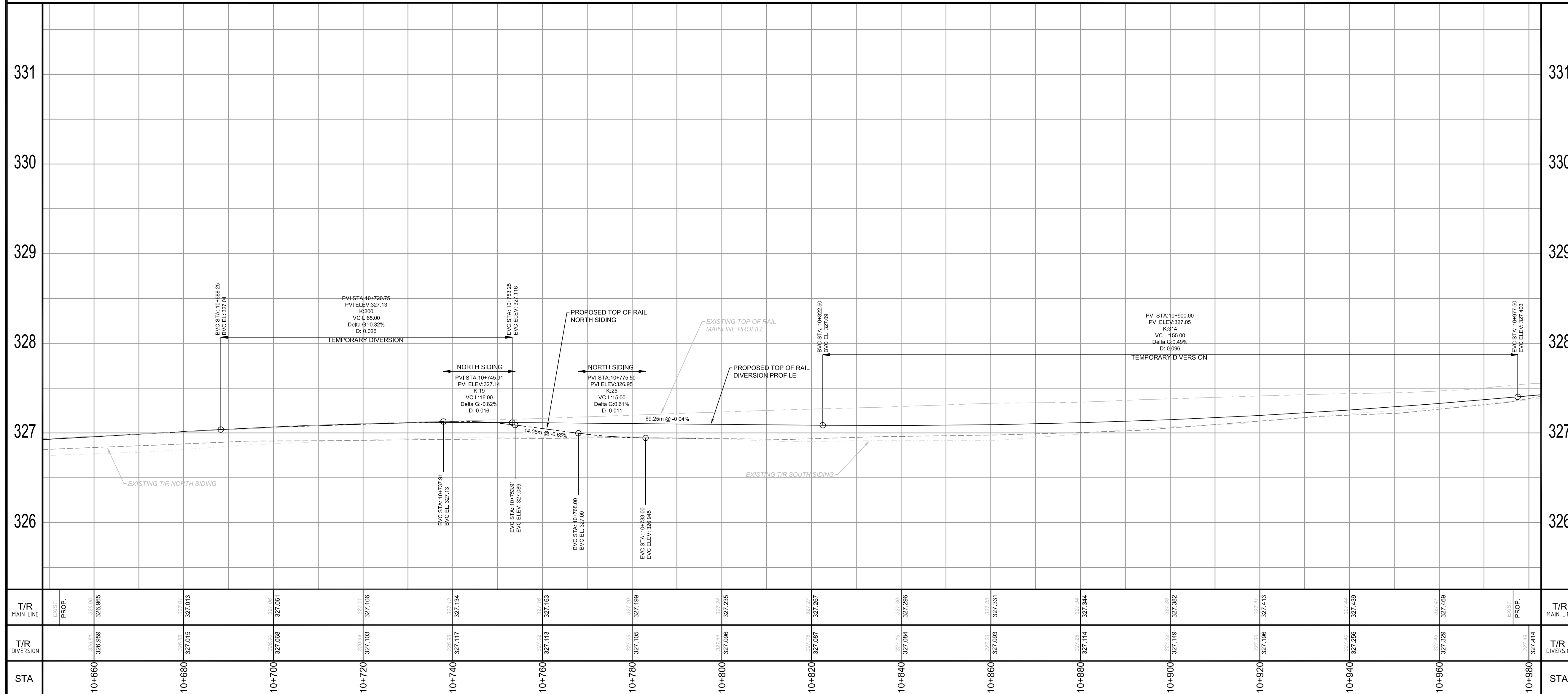
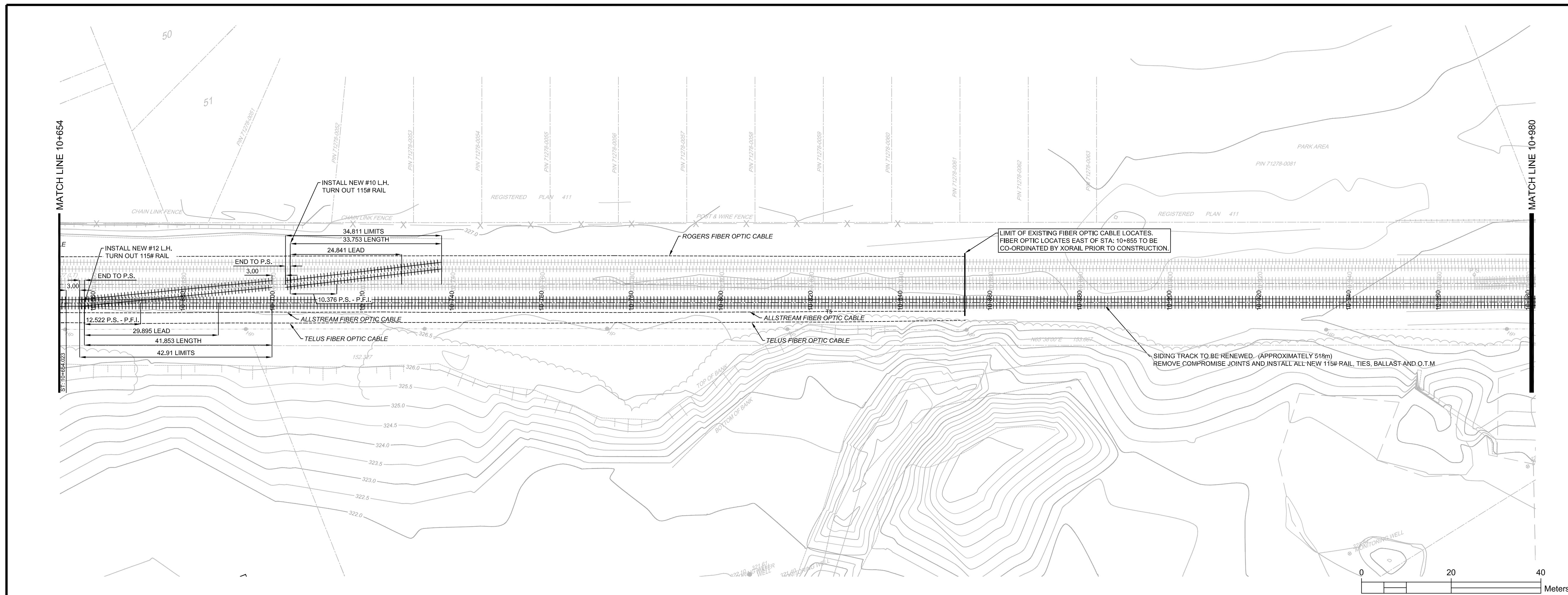
THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM DURING THE COURSE OF THE CONTRACT WORK.

NOTES:

TRACK REMOVAL LIMITS SUBJECT TO APPROVAL OF RAIL AUTHORITY

SEQUENCE FOR DIVERSION TRACK CONSTRUCTION

- REMOVE NORTH AND SOUTH #10 TURNOUTS, EAST OF THE PROPOSED SILVERCREEK SUBWAY STRUCTURE.
- REMOVE AND SALVAGE TRACKS AT SUBWAY STRUCTURE AND DIVERSION TIE-IN AREAS.
- BUILD DIVERSION.



TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLE LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.
ELEV. = 327.590m.

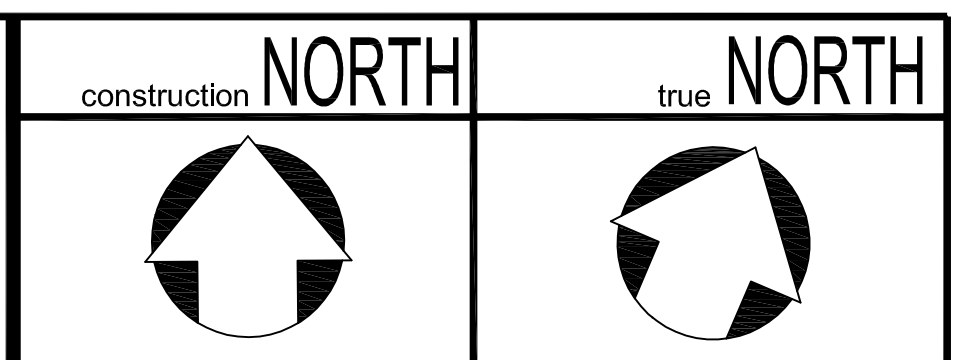
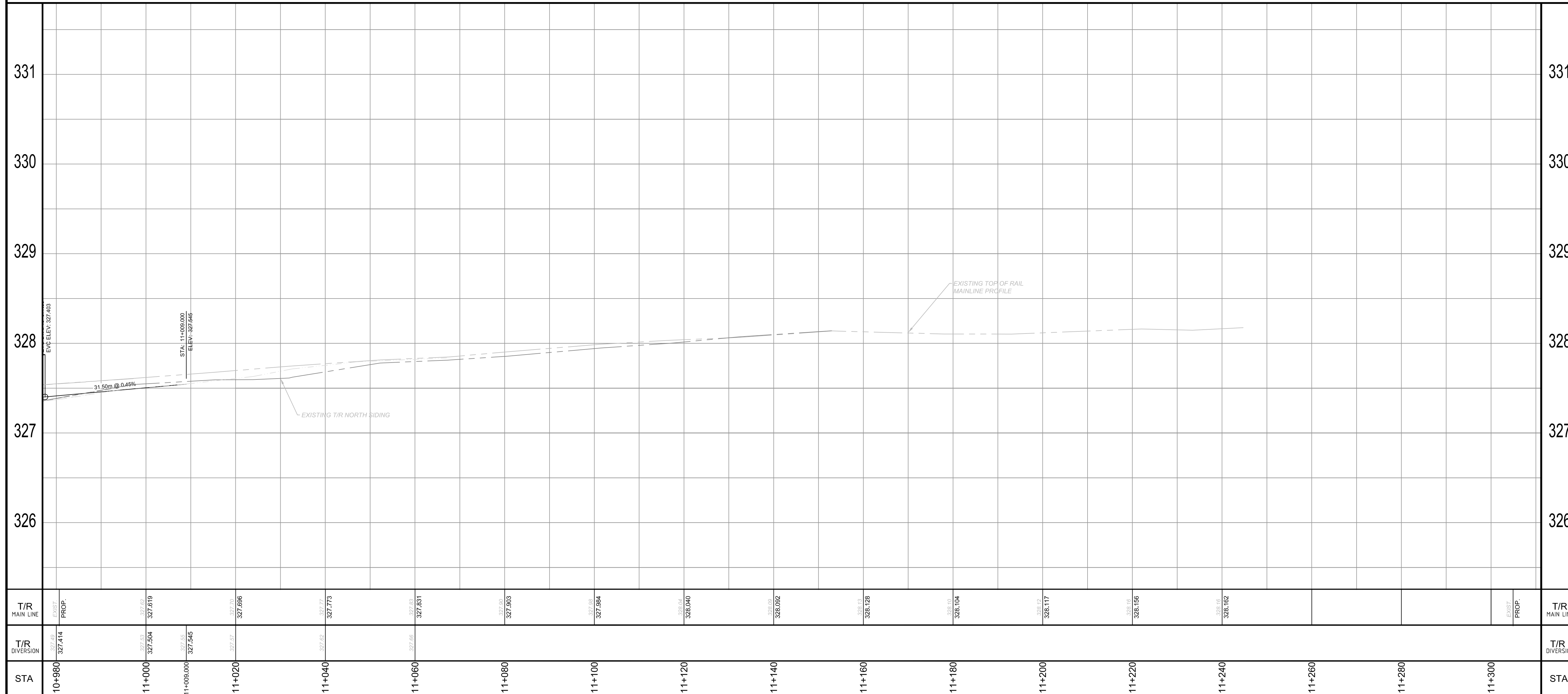
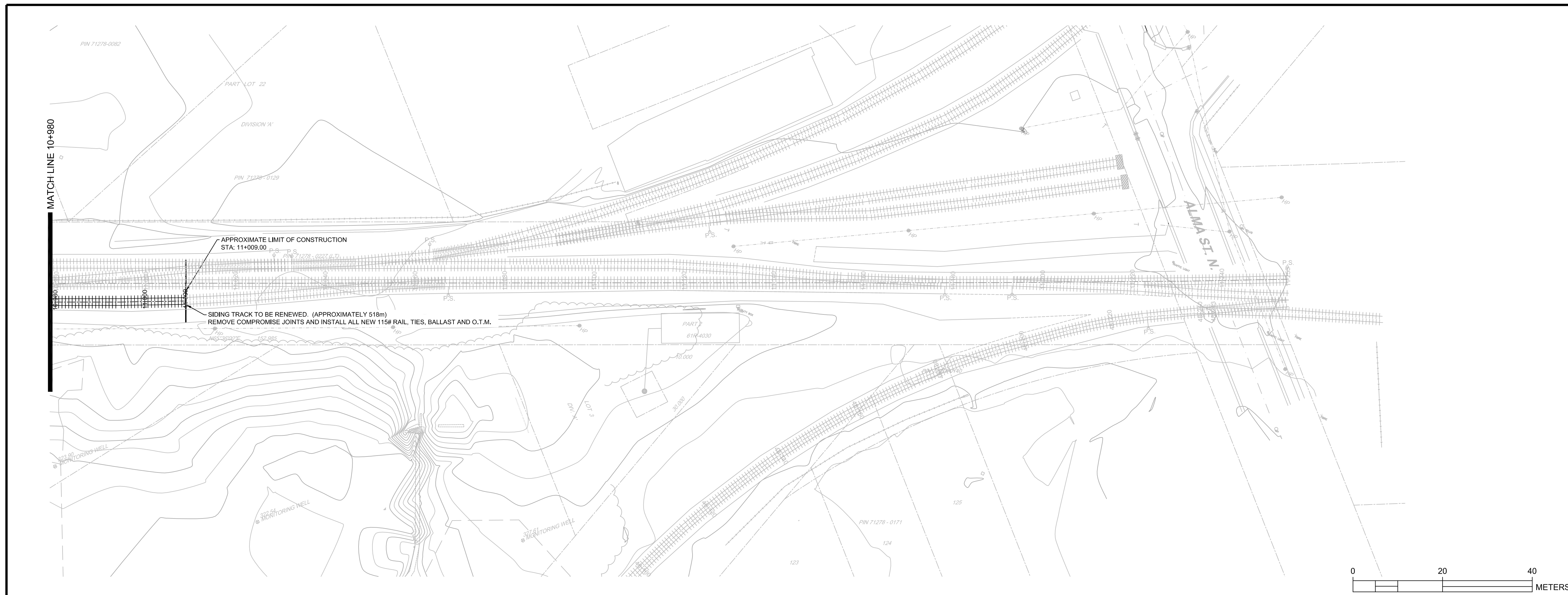
No.	REVISION	By	DATE
4	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
3	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/06
2	REVISION FOR RAIL AUTHORITY APPROVAL	DK	2012/07/09
1	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/06/22
0	SUBMISSION FOR INTERNAL REVIEW	DK	2012/06/22



SILVERCREEK GRADE SEPARATION - MP 50.24
CNR GUELPH-SUB. DIVERSION
STA: 10+654 - STA: 10+980

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/06/22
		SCALE: HORZ: 1:500 VERT: 1:25
FILE NAME: TW-1366	SHEET No.: 2 of 16	DWG. No.: 1366-R2

DRAWING DATE: 2011/11/08; PROJECT: 10+654 - 10+980; SHEET: Rail Grade Separation; City of Guelph; 65 General Road; Delcan Inc.; CD011-10K; 3L107062616



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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- NOTES:**
- TRACK REMOVAL LIMITS SUBJECT TO APPROVAL OF RAIL AUTHORITY
 - SEQUENCE FOR DIVERSION TRACK CONSTRUCTION**
 - REMOVE NORTH AND SOUTH #10 TURNOUTS, EAST OF THE PROPOSED SILVERCREEK SUBWAY STRUCTURE.
 - REMOVE AND SALVAGE TRACKS AT SUBWAY STRUCTURE AND DIVERSION TIE-IN AREAS.
 - BUILD DIVERSION.

TOPOGRAPHIC SURVEY
 COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
 CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.
 ELEV. = 327.590m.

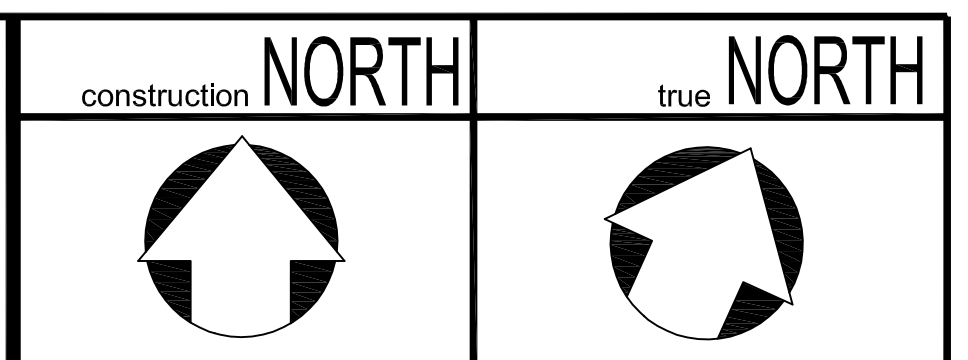
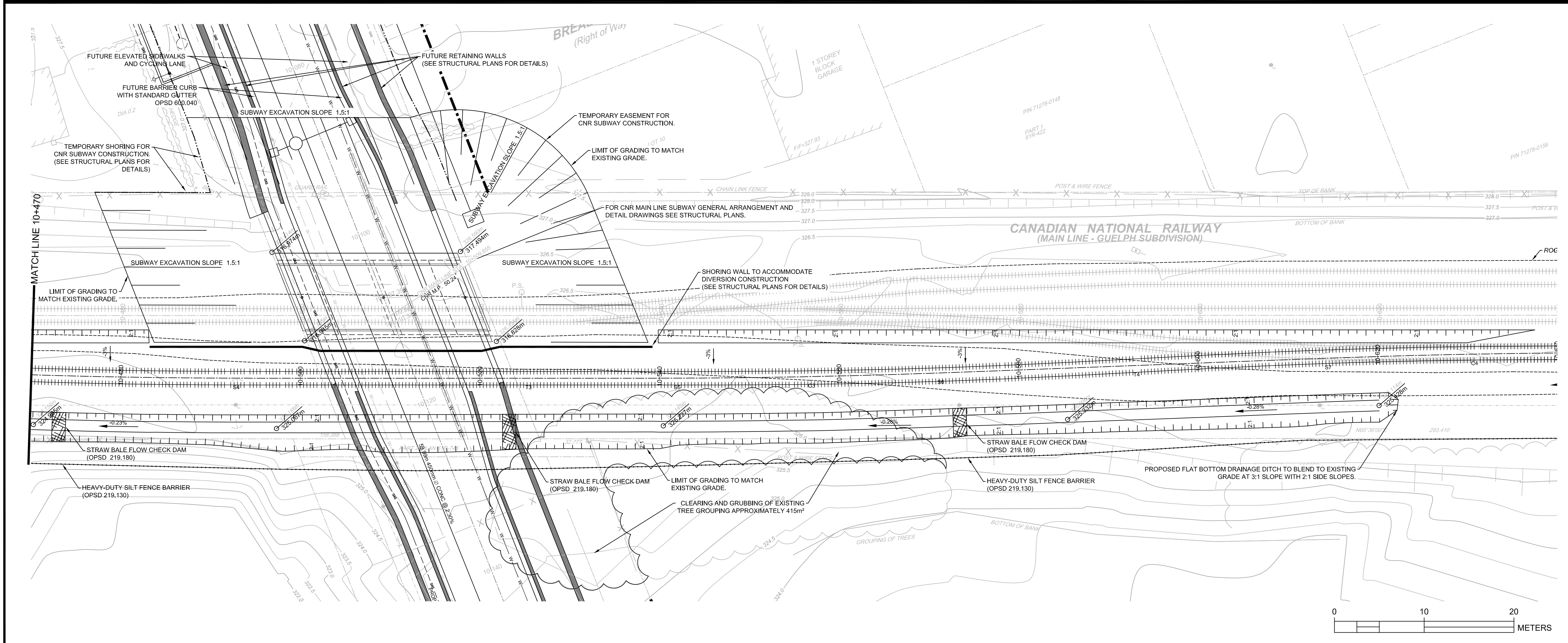
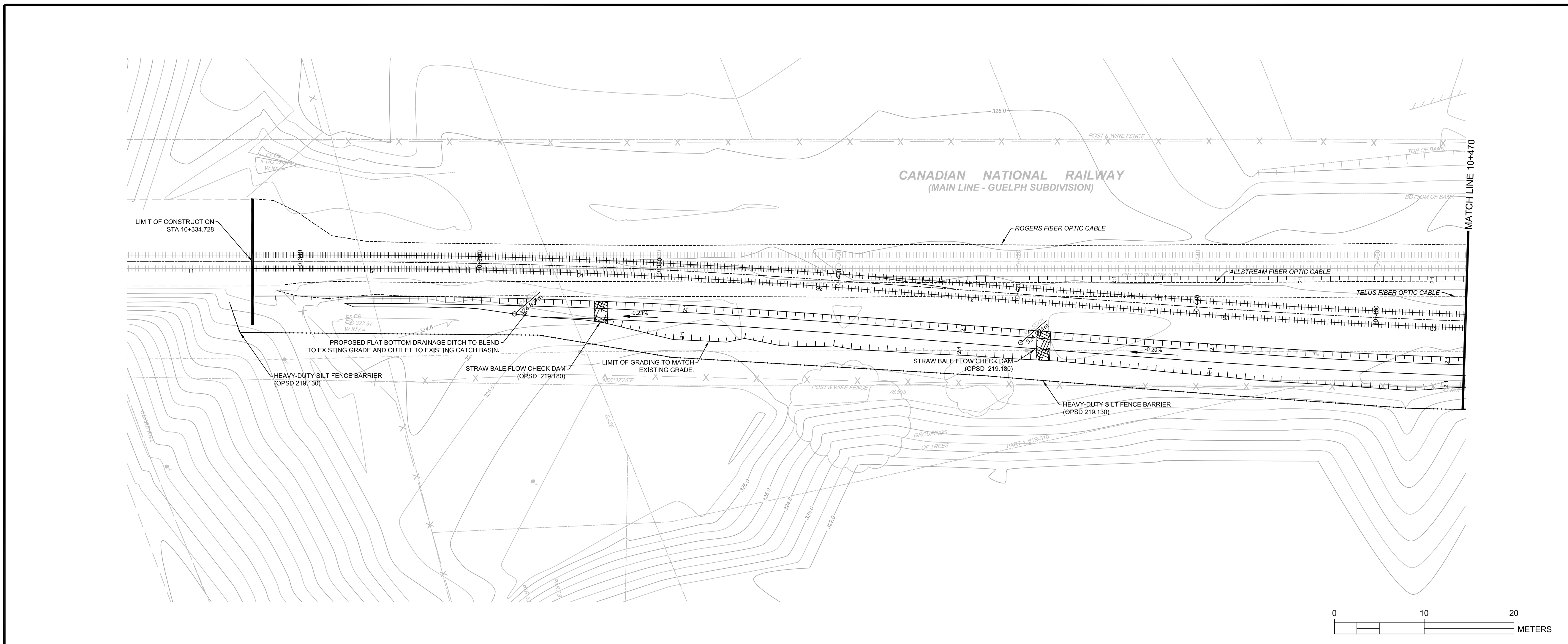
No.	REVISION	By	DATE
4	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
3	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/06
2	REVISION FOR RAIL AUTHORITY APPROVAL	DK	2012/07/09
1	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/06/26
0	SUBMISSION FOR INTERNAL REVIEW	DK	2012/06/22



SILVERCREEK GRADE SEPARATION - MP 50.24
CNR GUELPH-SUB. DIVERSION
 STA: 10+980 - STA: 11+009

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/06/22
		SCALE: HORZ: 1:500 VERT: 1:25
FILE NAME: TW-1366	SHEET No.: 3 of 16	DWG. No.: 1366-R3

DRAWING DATE: 2011/11/08; PROJECT: 10111366; SHEET: 3 of 16; GENERAL NOTE: Design/Drawn/Checked/Reviewed/Approved: P. Pittens/P. Jefford/PCMP/PFJ/DK; CITY: GUELPH; CLIENT: CNR; SCALE: 1:500; DATE: 2012/06/22



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

BEFORE STARTING WORK

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LEGEND

- ===== EXISTING RAILWAY
- EXISTING FENCE LINE
- EXISTING TELECOMMUNICATION LINES
- EXISTING PROPERTY BOUNDARY
- EXISTING HYDRO UTILITY LINES
- EXISTING HYDRO POLE AND GUY WIRE
- EXISTING WATER MAIN
- EXISTING STORM WATER NETWORK
- EXISTING SANITARY NETWORK
- EXISTING TOP OF BANK
- EXISTING BOTTOM OF BANK
- EXISTING DRAINAGE SWALES
- PROPOSED HEAVY-DUTY SILT FENCE BARRIER
- PROPOSED RAILWAY
- PROPOSED GRADING SLOPES
- PROPOSED DRAINAGE DIRECTION OF FLOW AND GRADE
- PROPOSED DRAINAGE SWALE
- PROPOSED FLAT BOTTOM DRAINAGE DITCH
- ELEVATION GRADE TAG (EXISTING/PROPOSED)

TOPOGRAPHIC SURVEY
 COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
 CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.
 ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



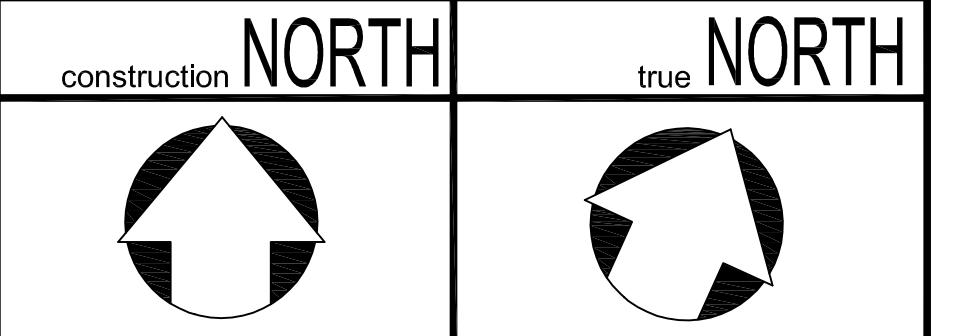
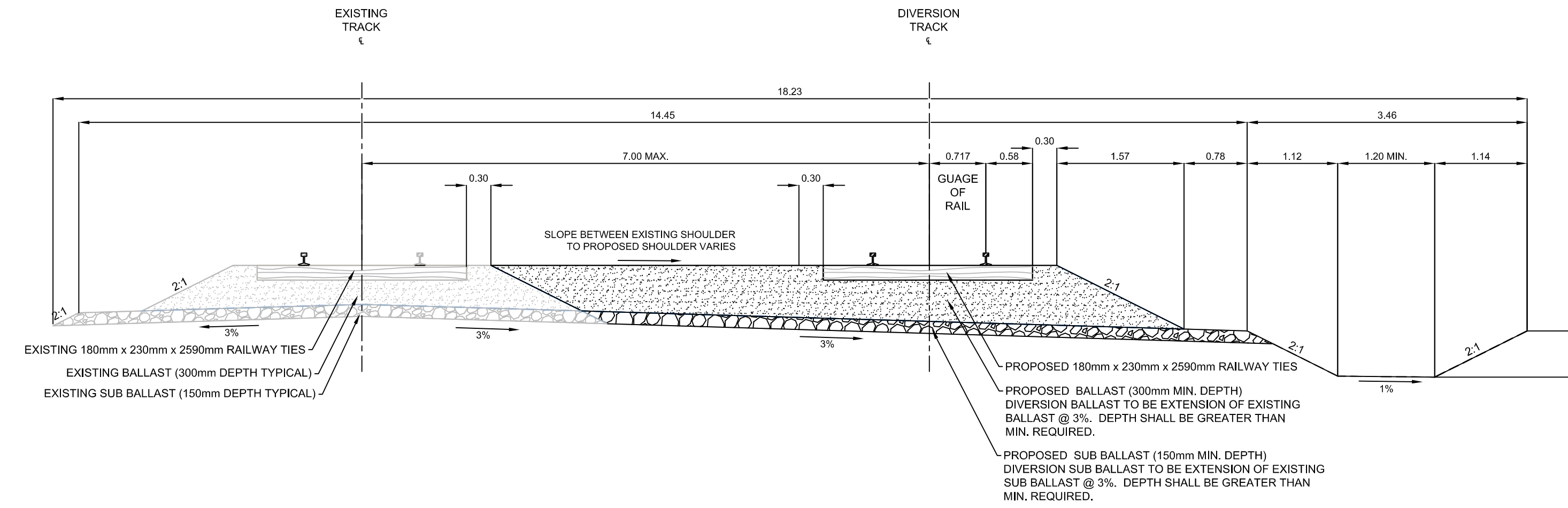
GRADING PLAN
CNR GUELPH-SUB DIVERSION
 STA: 10+335 - STA: 10+640

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/08/08
		SCALE: HORZ: 1:250 VERT: N/A
FILE NAME: TW-1366	SHEET No.: 4 of 16	DWG. No.: 1366-R4

DRAWING DATE: 2011/11/08; PROJECT: 1366; SHEET: 4 of 16; GENERAL CONTRACTOR: Delcan Inc.; CITY OF GUELPH; PROJECT: CNR GUELPH-SUB DIVERSION; DRAWING NO.: 1366-R4

TYPICAL RAILWAY DIVERSION CROSS SECTION

SCALE 1:50



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

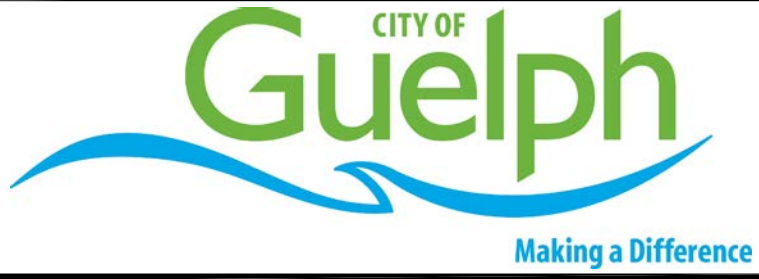
BEFORE STARTING WORK

THE CONTRACTOR SHALL CONFIRM THE POSITION AND EXACT LOCATION OF ALL SUCH UTILITIES, AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE TO THEM MADE DURING THE COURSE OF THE CONTRACT WORK.

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.
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No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

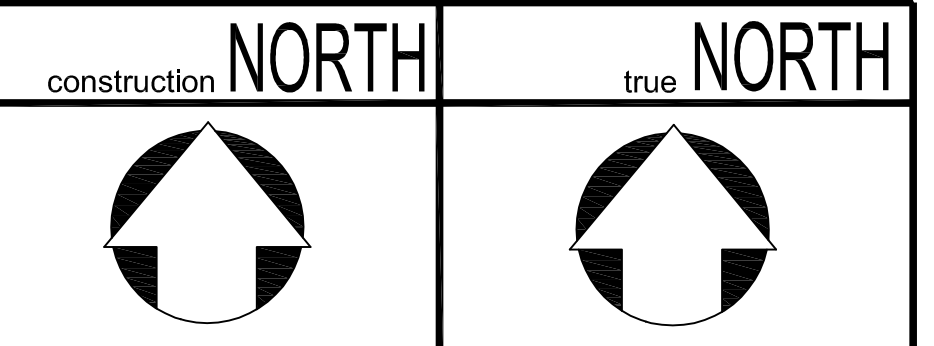
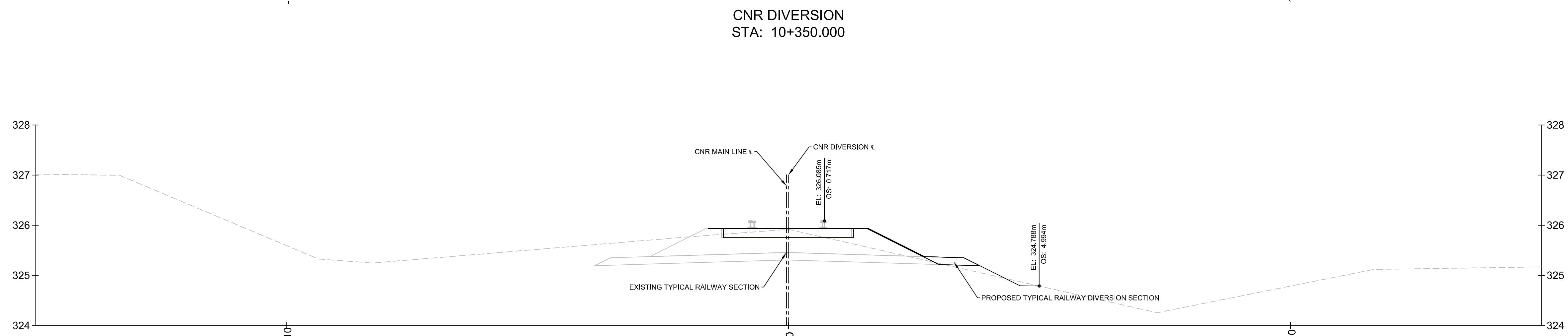
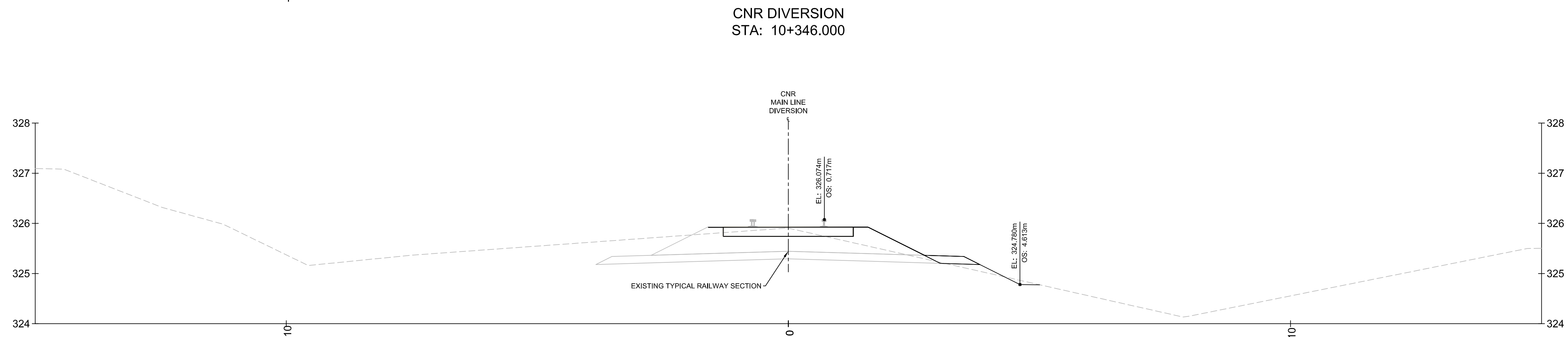
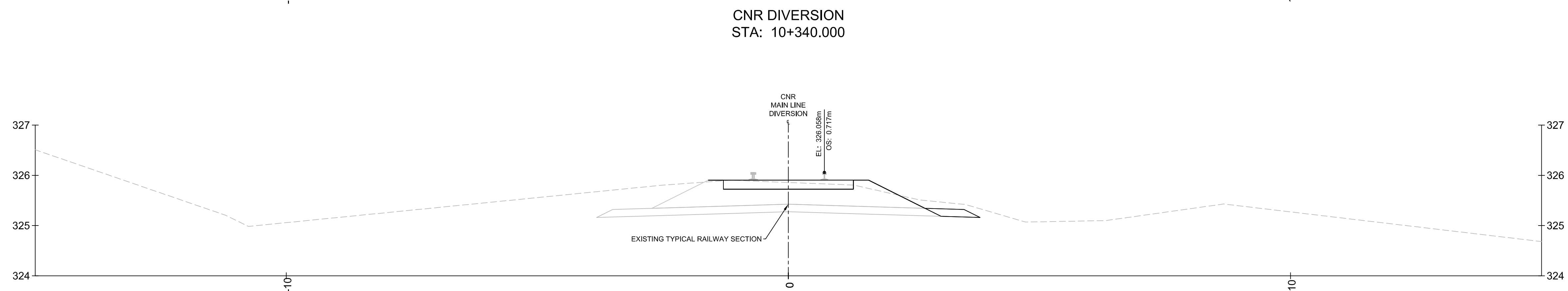
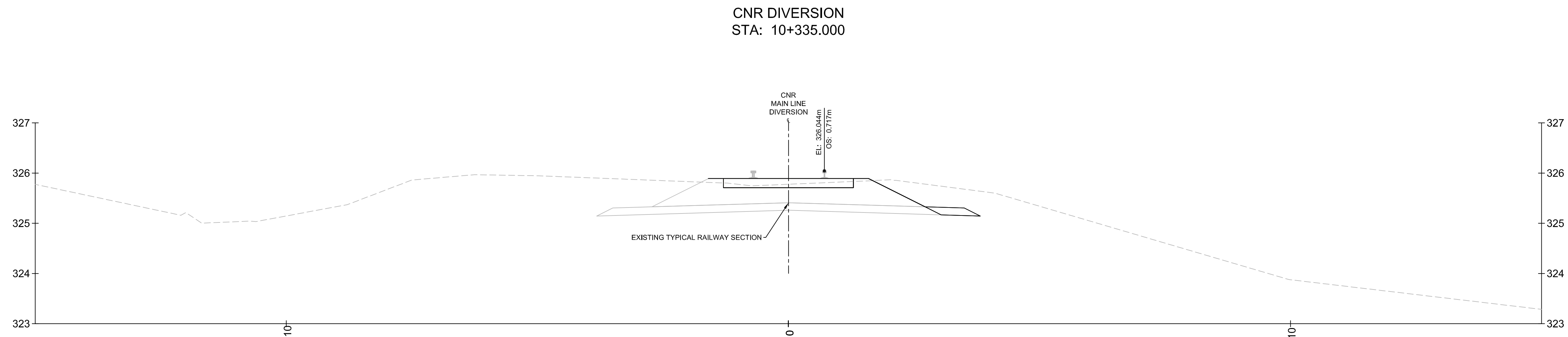


TYPICAL SECTION
CNR GUELPH-SUB. DIVERSION

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/08/08
		SCALE: HORZ: NOTED VERT: NOTED

FILE NAME: TW-1366 SHEET No.: 5 of 16 DWG. No.: 1366-R5

DRAWING DATE: 2011/12/01 PROJECT: CNR GUELPH SUB. DIVERSION, City of Guelph/465 General/465 Design/2011/12/01/1366-R5 - 3/11/2012/08/08



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LEGEND

- EXISTING GRADE
- _____ PROPOSED GRADE
- _____ EXISTING RAIL BED STRUCTURE
- _____ PROPOSED RAIL BED STRUCTURE
- PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

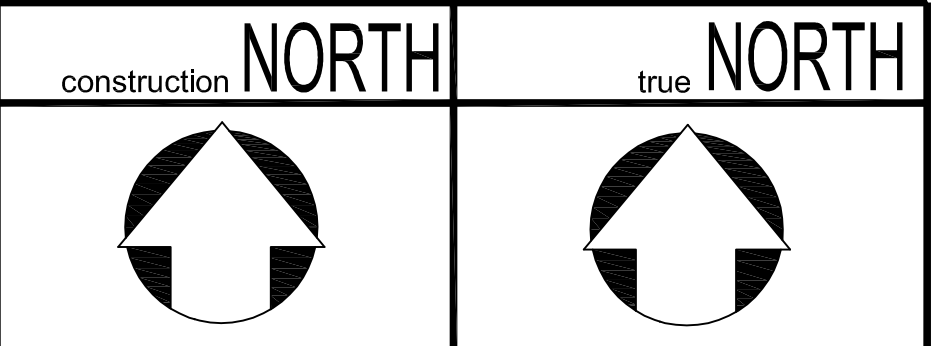
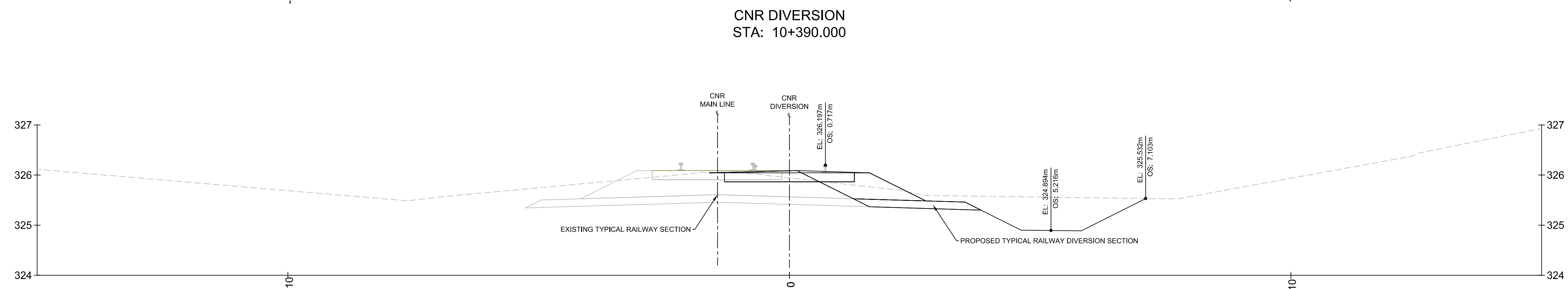
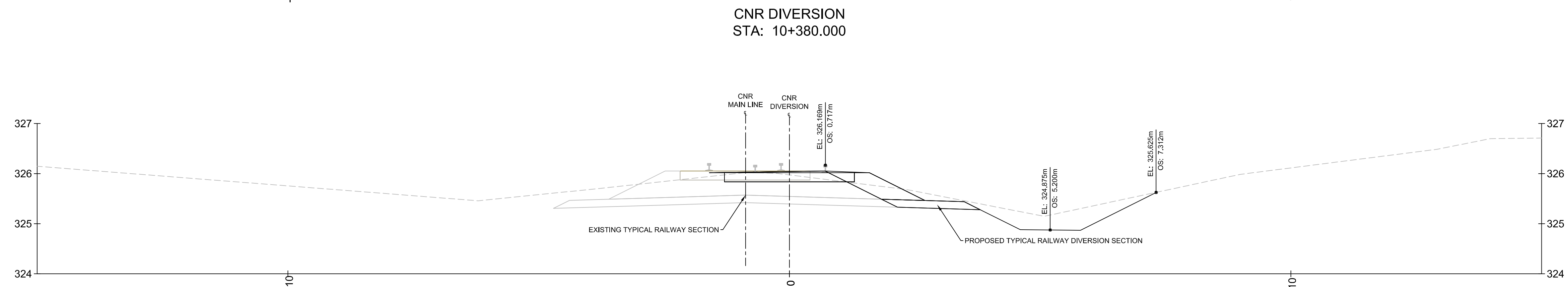
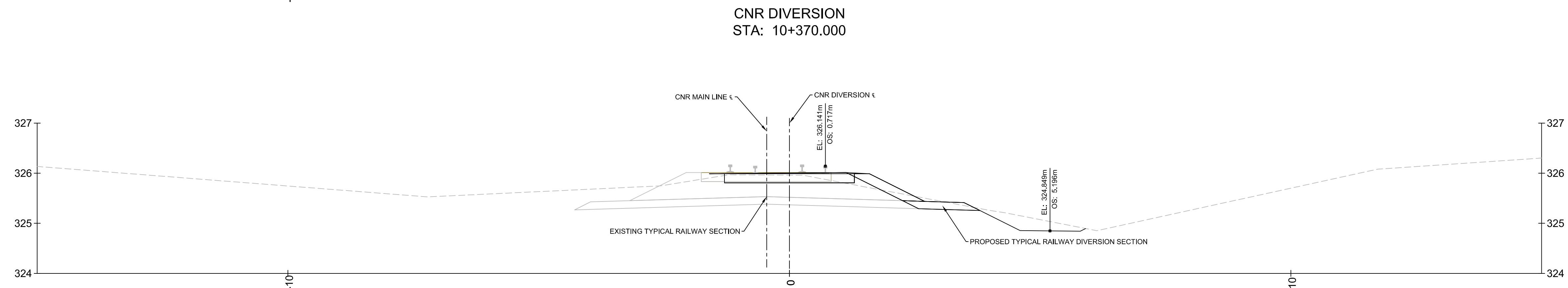
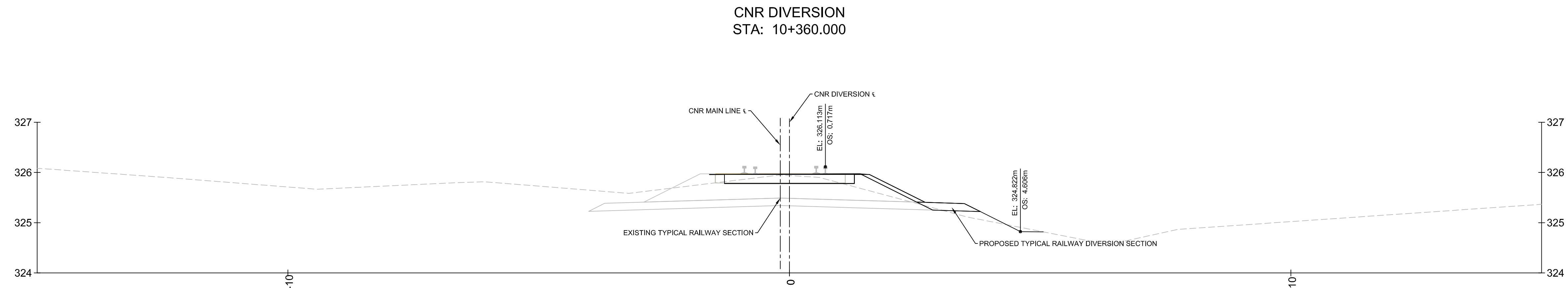
No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+335 - STA: 10+350

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

DRAWING DATE: 2011/12/04 PROJECT: 1366 SHEET: 6 of 16 SHEET TITLE: Cross Sections City of Guelph/PCMP/General/Infrastructure/Design/1366/11/11/1366-R6/1366-R6.dwg



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LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- - - - - PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLE LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

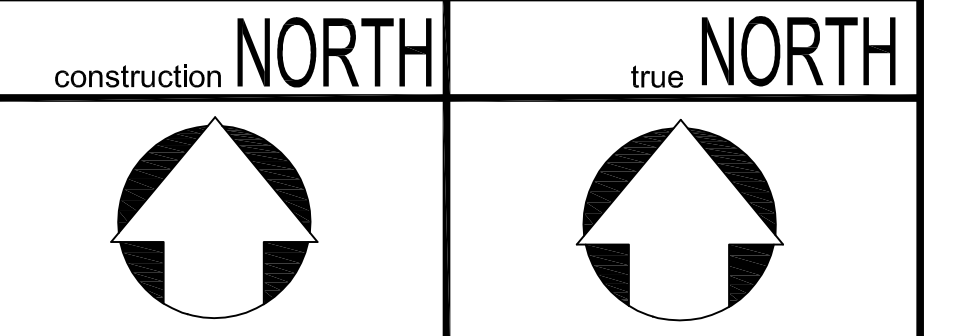
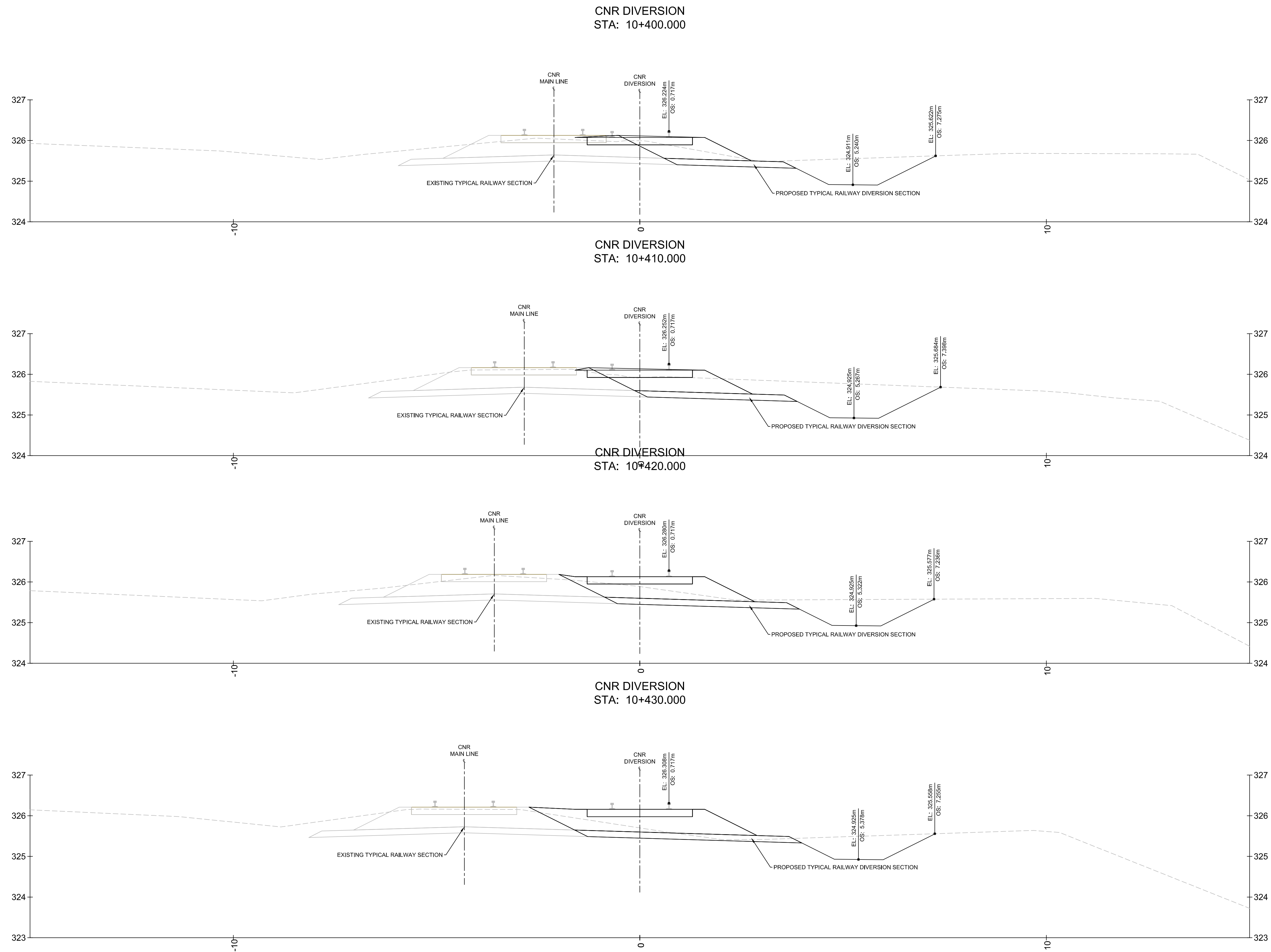


**CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+360 - STA: 10+390**

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: **TW-1366** SHEET No.: **7 of 16** DWG. No.: **1366-R7**

DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 7 of 16; FILE: TW-1366-R7.dwg



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- - - - - PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY

COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK

CITY OF GUELPH BENCHMARK #55A BEING A TABLE LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

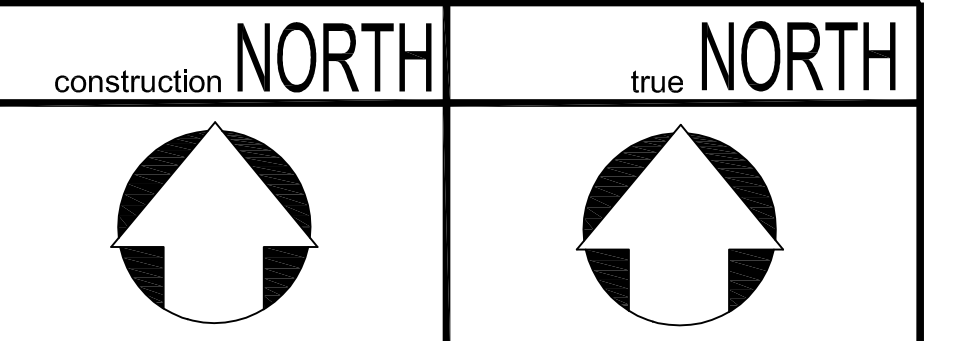
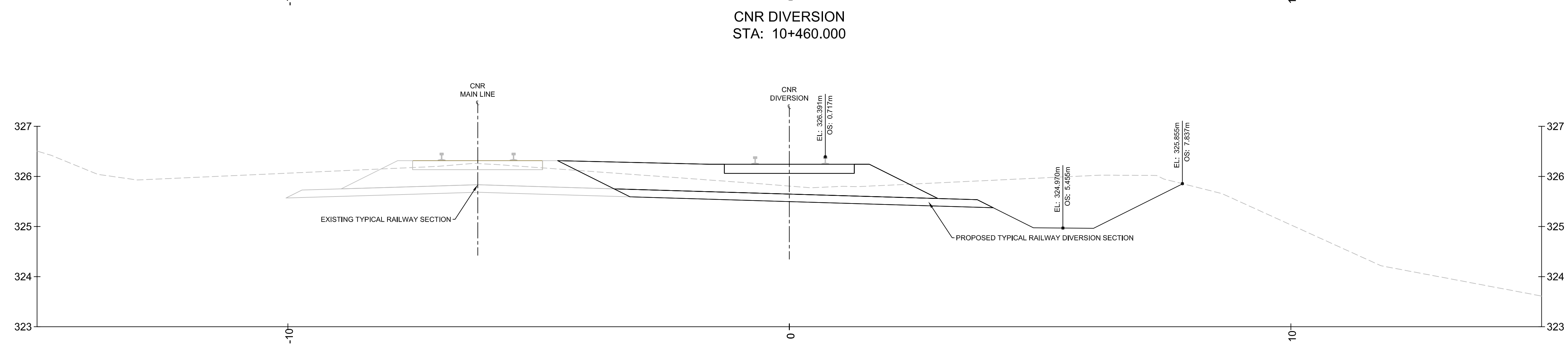
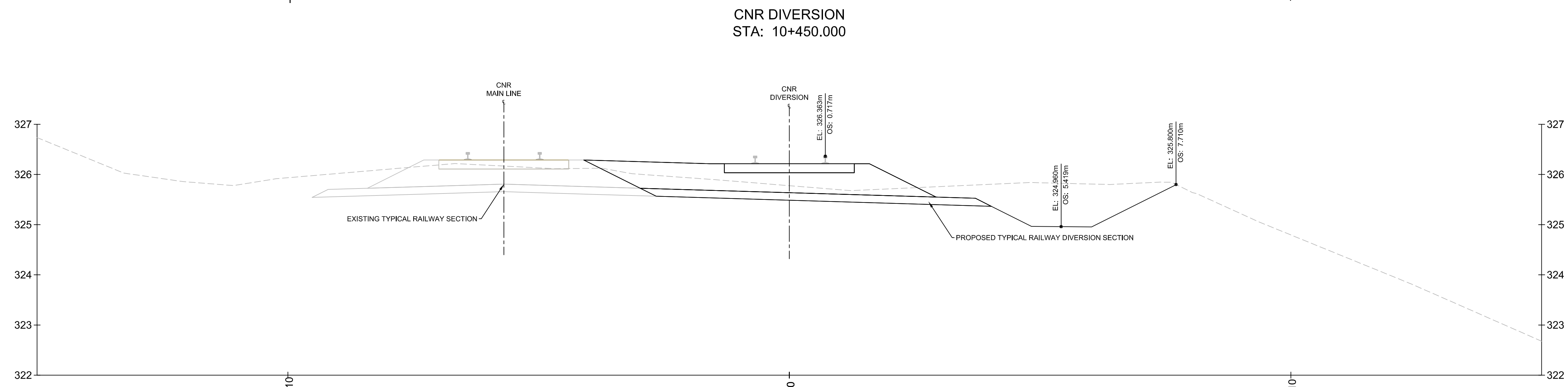
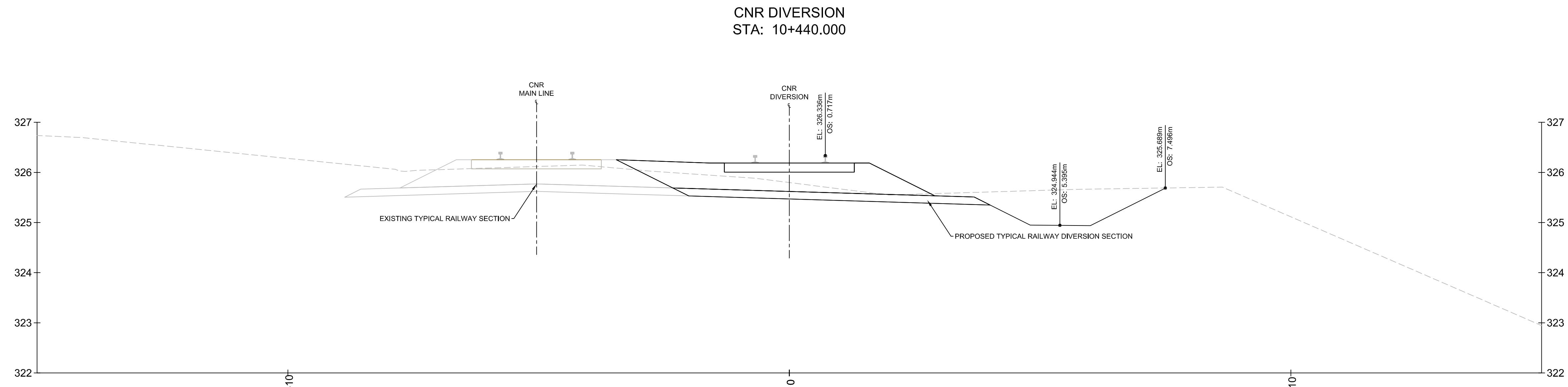


CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
 STA: 10+400 - STA: 10+430

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: TW-1366	SHEET No.: 8 of 16	DWG. No.: 1366-R8
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DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 8 of 16; SHEET TITLE: CROSS SECTIONS; CITY OF GUELPH; 568 SILVERCREEK DRIVE; GUELPH, ONTARIO; PROJECT: 1366; SHEET: 8 of 16; SHEET TITLE: CROSS SECTIONS



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY

COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK

CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

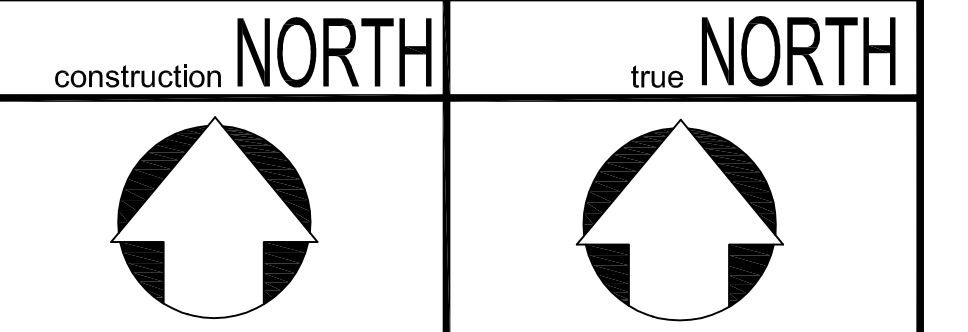
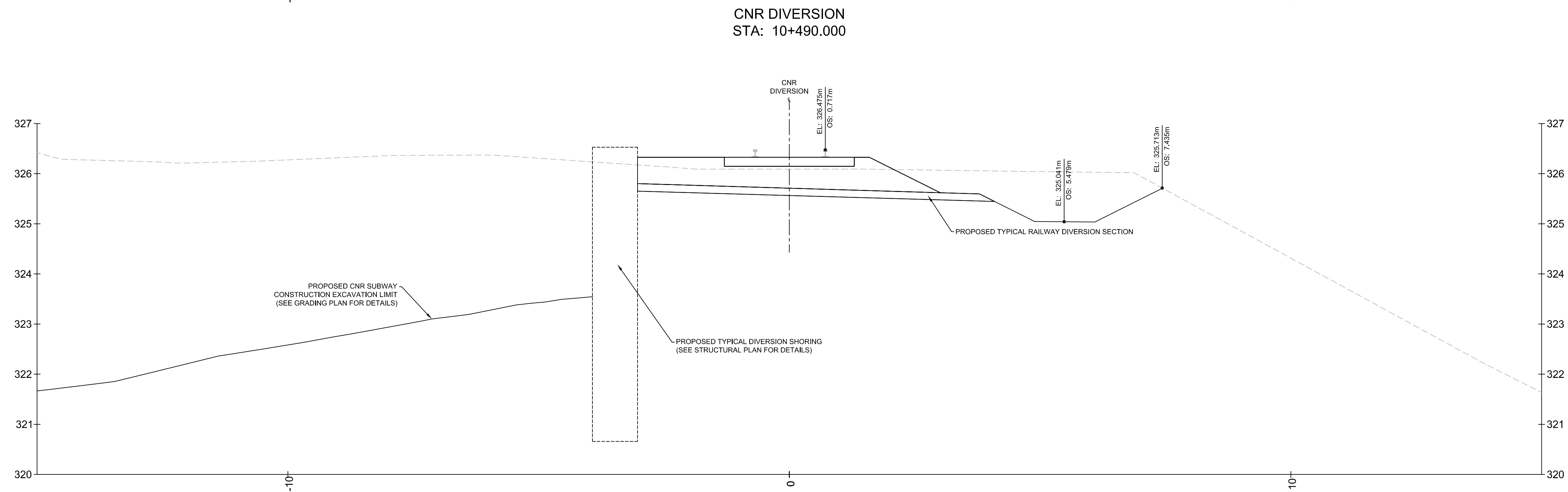
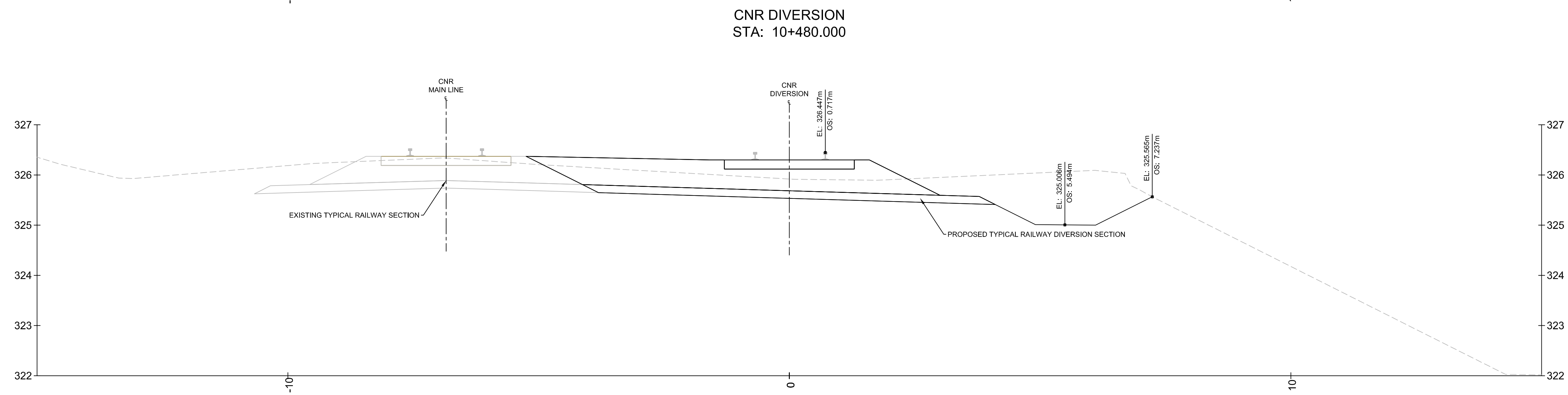
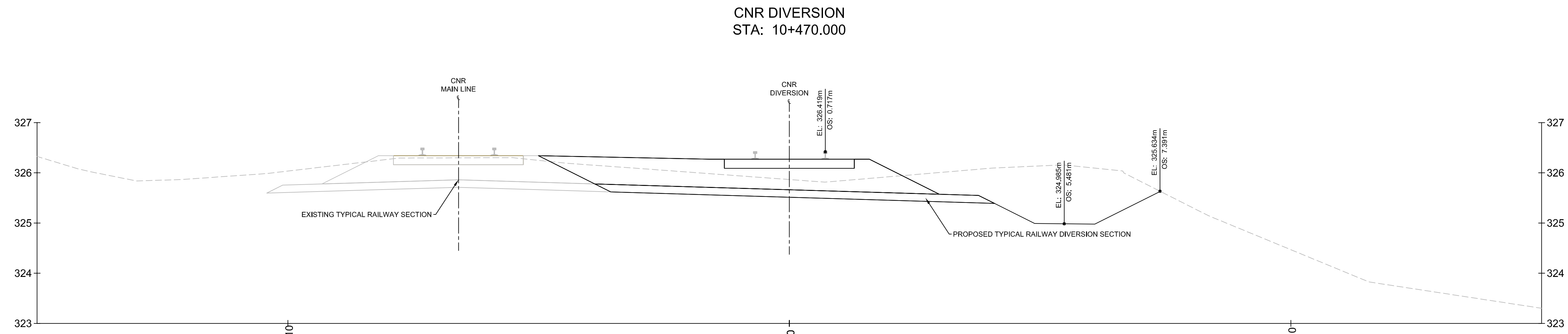


**CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+440 - STA: 10+460**

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: TW-1366	SHEET No.: 9 of 16	DWG. No.: 1366-R9
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DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 9 of 16; FILE: TW-1366-R9; USER: PJEFFORD



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- - - - - PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLE LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



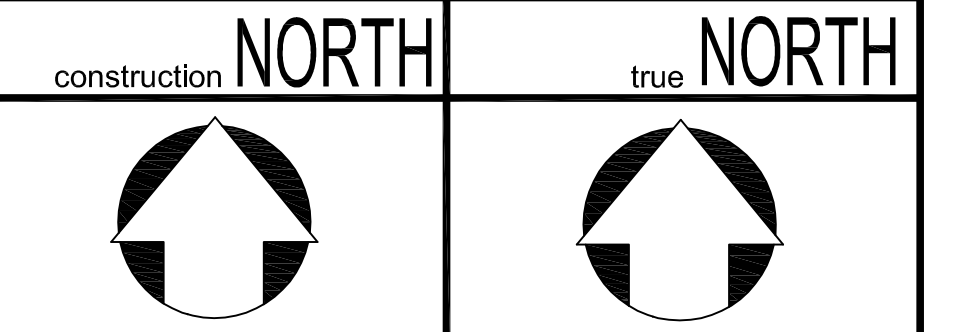
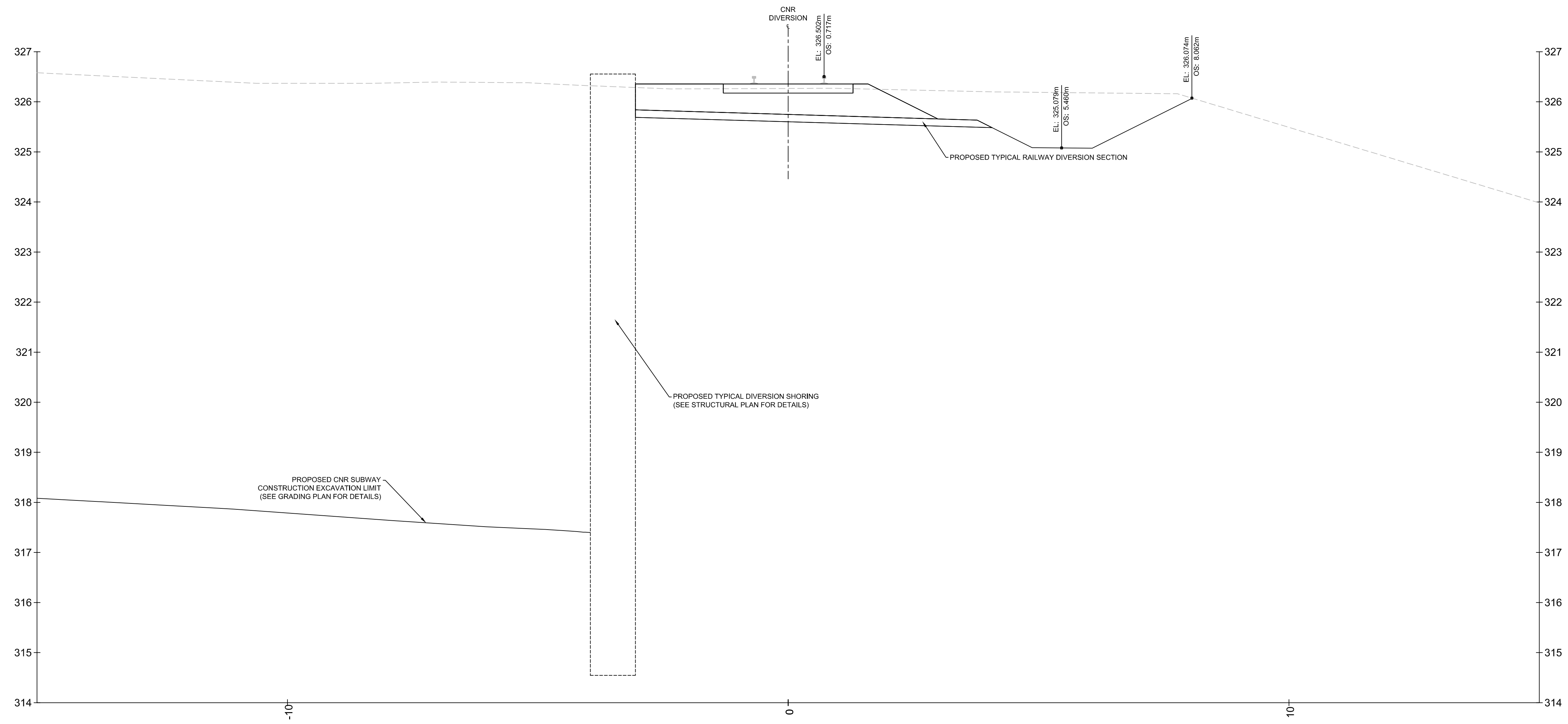
**CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+470 - STA: 10+490**

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: **TW-1366** SHEET No.: **10 of 16** DWG. No.: **1366-R10**

DRAWING DATE: 2011/12/04 PROJECT: 1366 SHEET: 10 of 16 CITY OF GUELPH: 568 SILVERCREEK DRIVE, GUELPH, ONTARIO, CANADA

CNR DIVERSION
STA: 10+500.000



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LEGEND

- EXISTING GRADE
- _____ PROPOSED GRADE
- _____ EXISTING RAIL BED STRUCTURE
- _____ PROPOSED RAIL BED STRUCTURE
- PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY

COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK

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ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

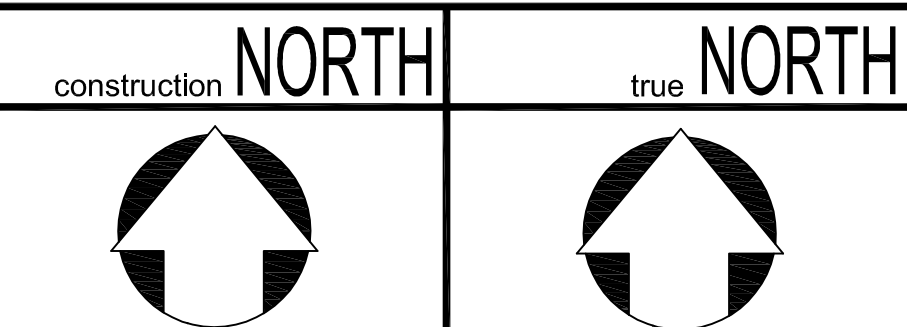
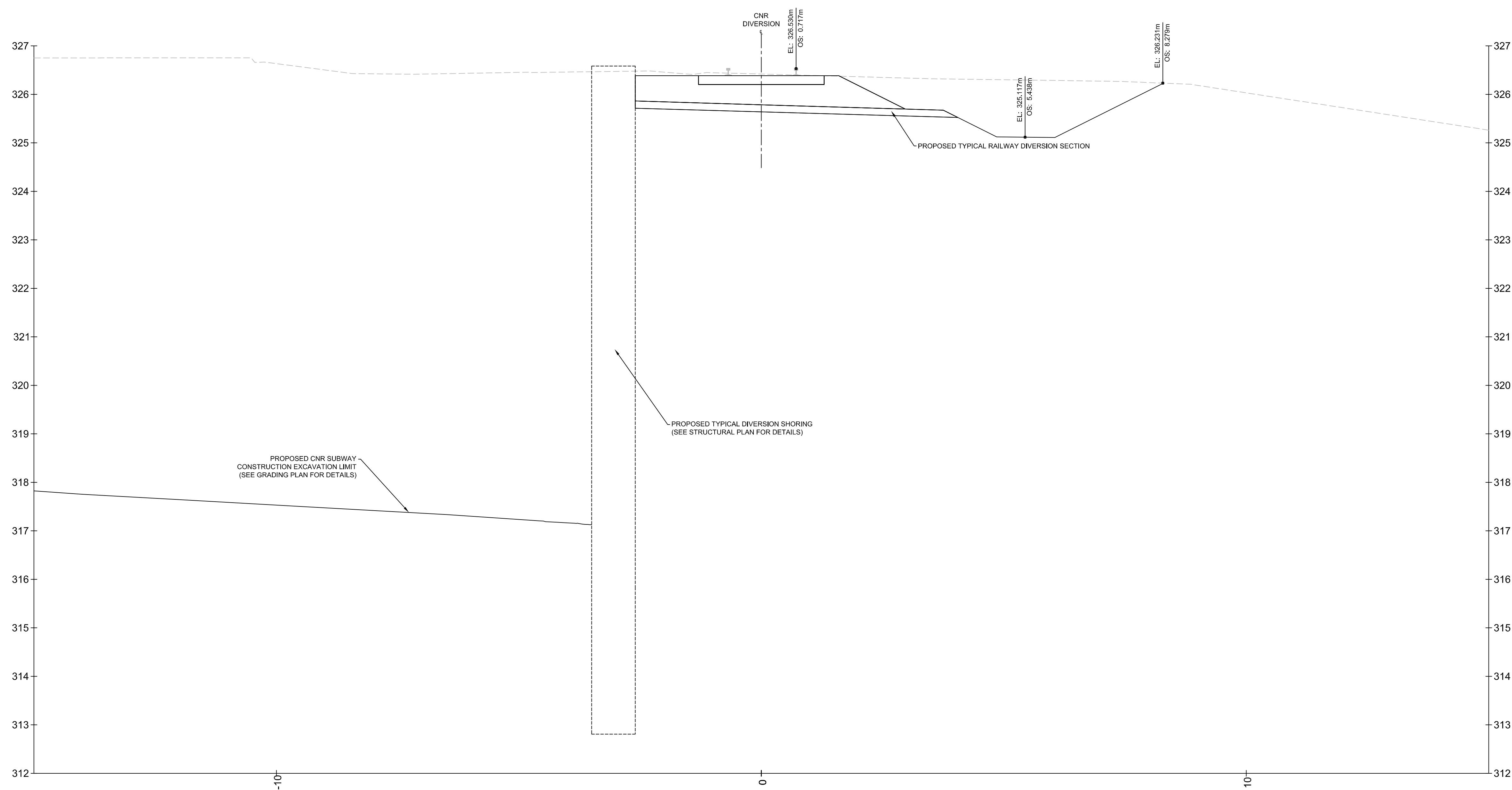


CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+500

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

DRAWING DATE: 2011/12/04 PROJECT: 10+500 - Guelph Subdiversion, City of Guelph #55A Benchmark Design/Drawn/Checked/Designed: P. Pittens/P. Jefford/DK/PCMP

CNR DIVERSION
STA: 10+510.000



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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- EXISTING GRADE
- _____ PROPOSED GRADE
- _____ EXISTING RAIL BED STRUCTURE
- _____ PROPOSED RAIL BED STRUCTURE
- - - - - PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY

COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK

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ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



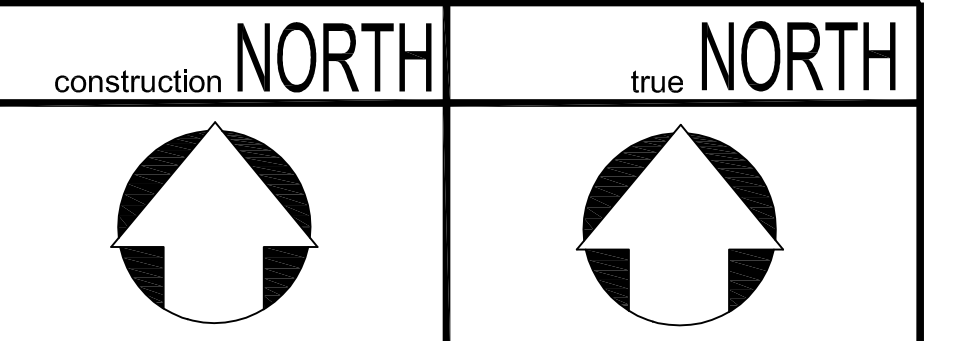
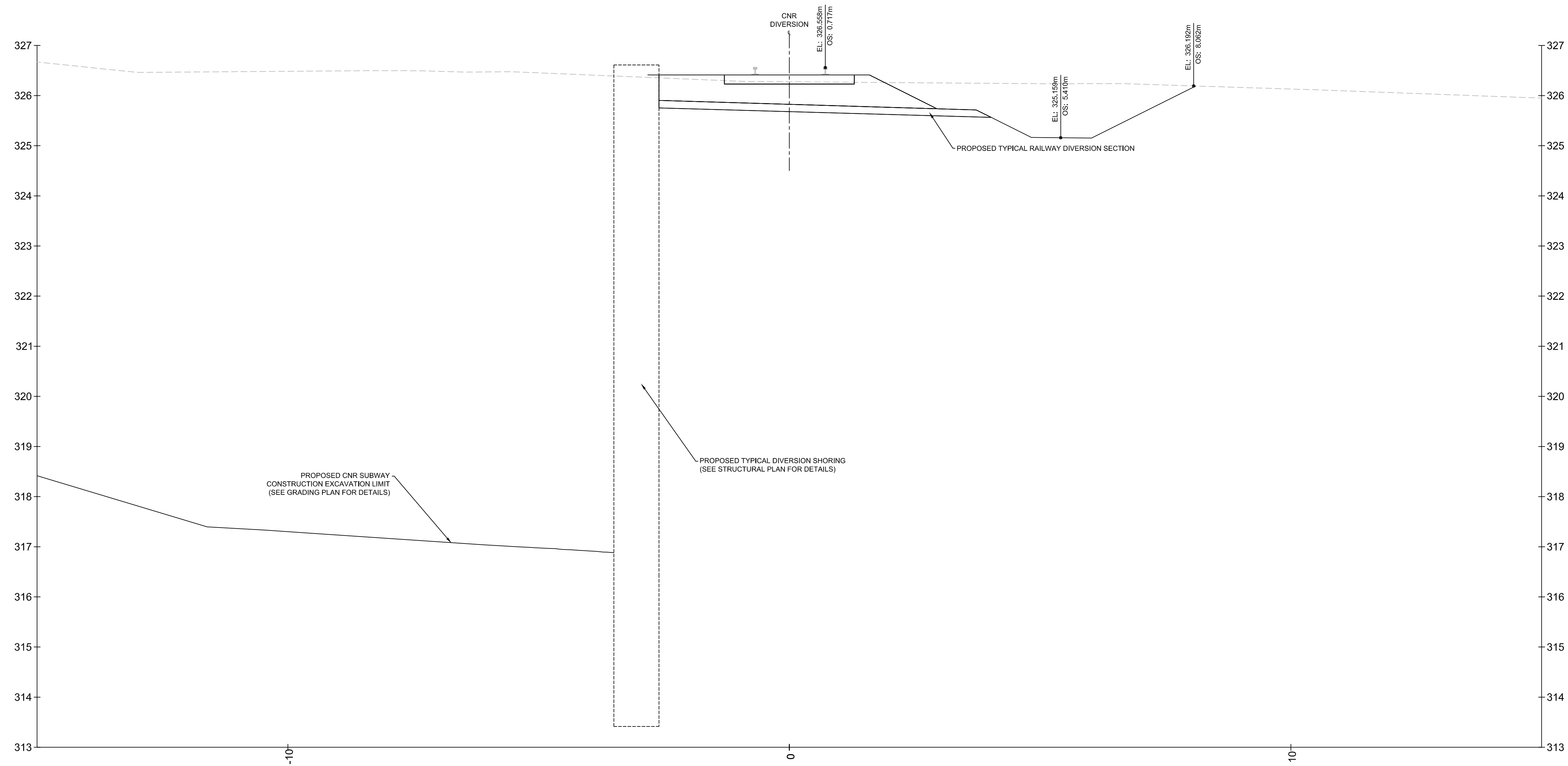
CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+510

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: TW-1366	SHEET No.: 12 of 16	DWG. No.: 1366-R12
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DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 12 OF 16; FILE: 1366-R12; USER: JEFFORD; PLOT: 2012/12/04

CNR DIVERSION
STA: 10+520.000



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.
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LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

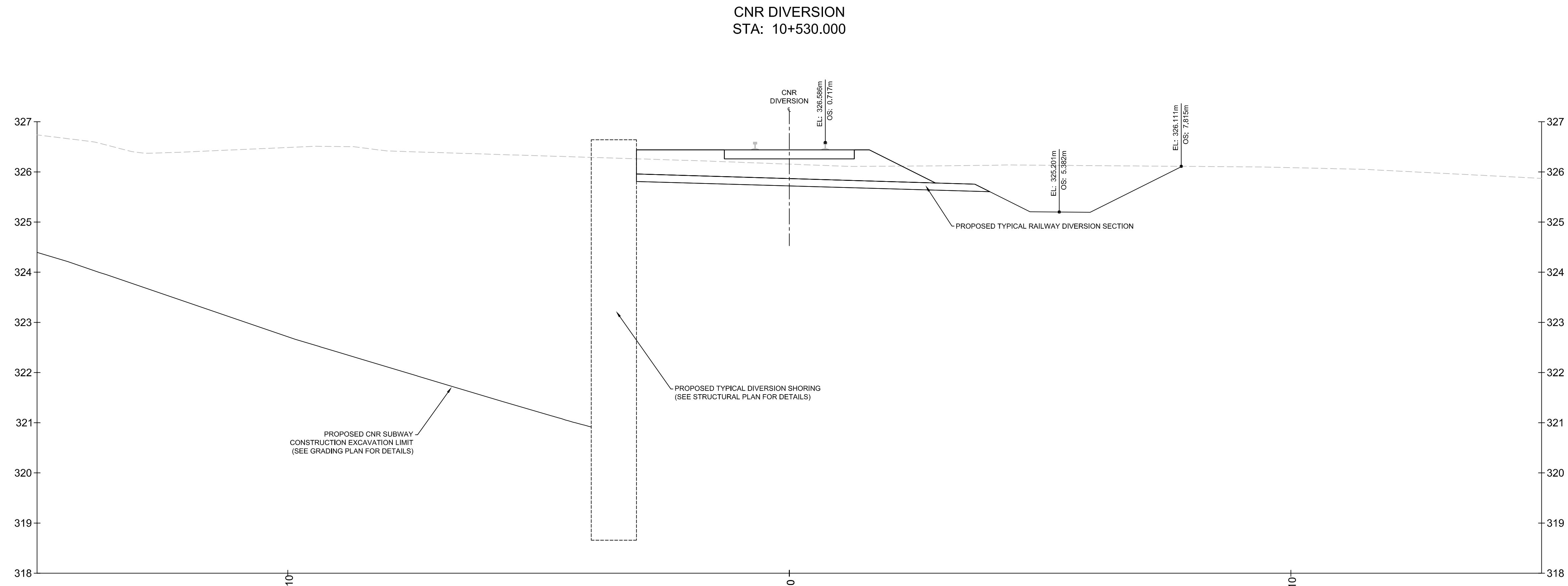


CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+520

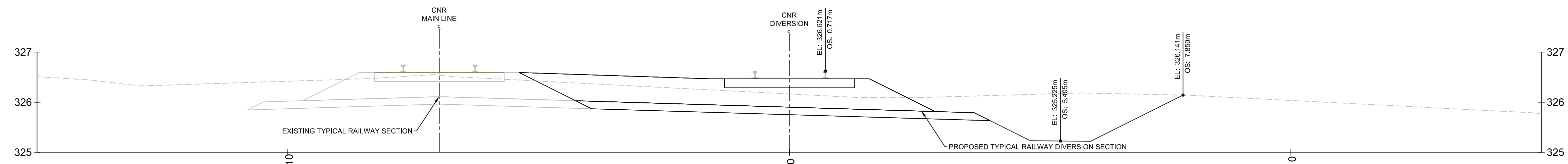
DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
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		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: TW-1366 SHEET No.: 13 of 16 DWG. No.: 1366-R13

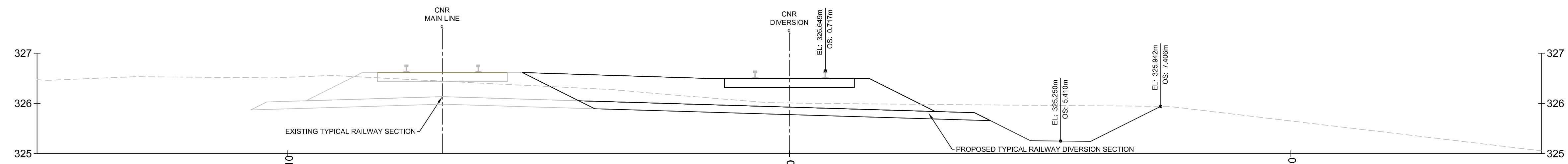
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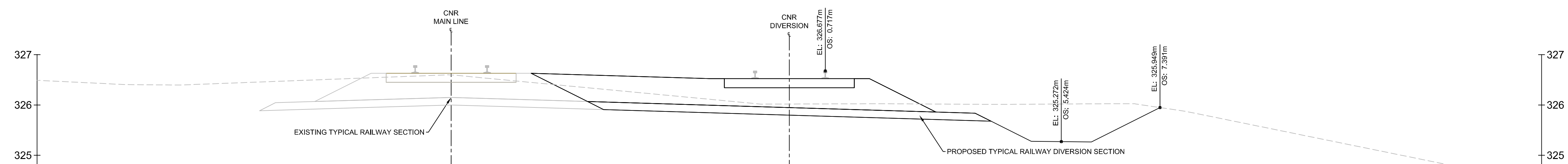
CNR DIVERSION
STA: 10+530.000



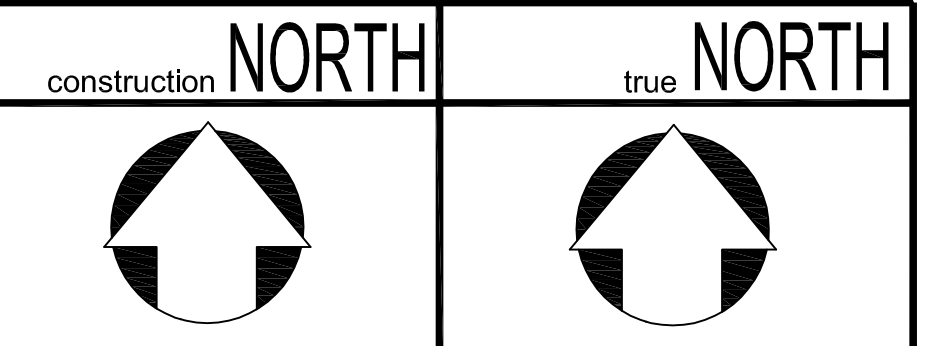
CNR DIVERSION
STA: 10+540.000



CNR DIVERSION
STA: 10+550.000



CNR DIVERSION
STA: 10+560.000



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LEGEND

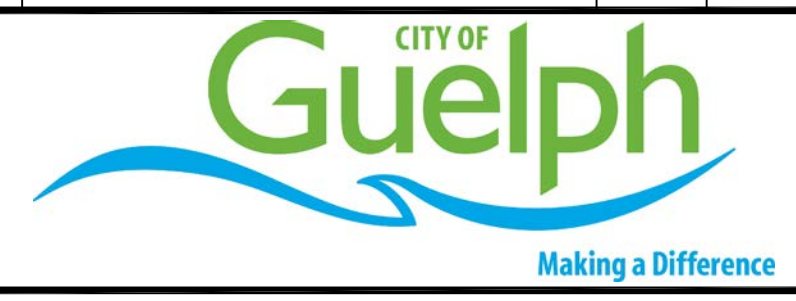
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- - - - - PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

ELEV. = 327.590m.

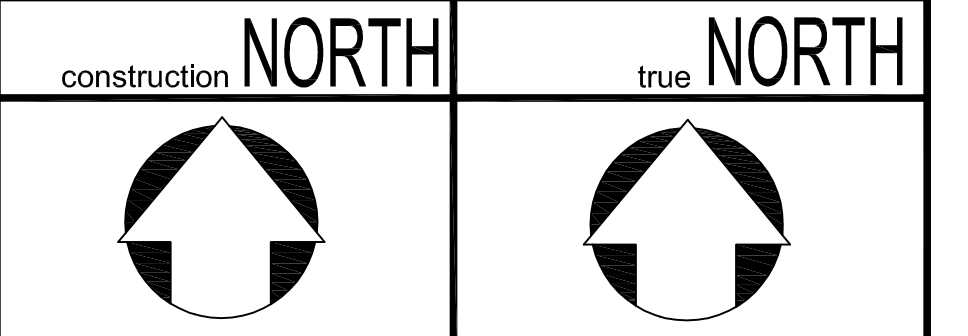
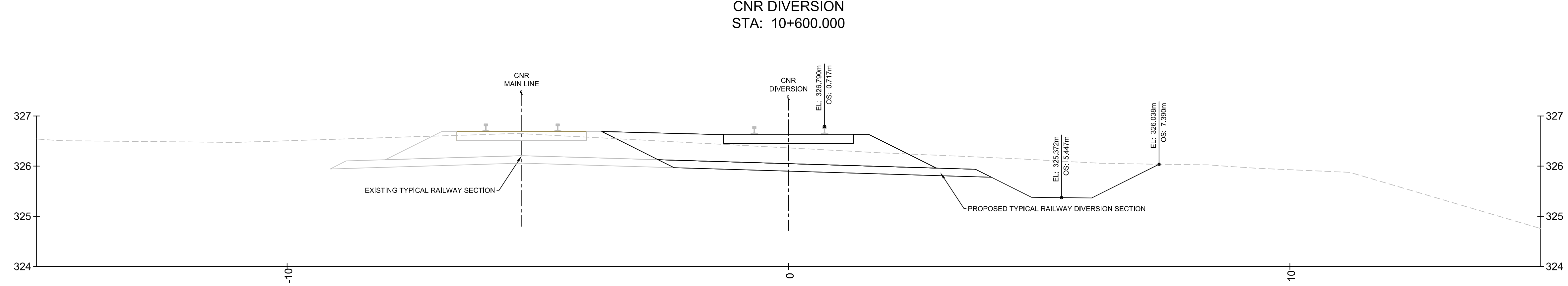
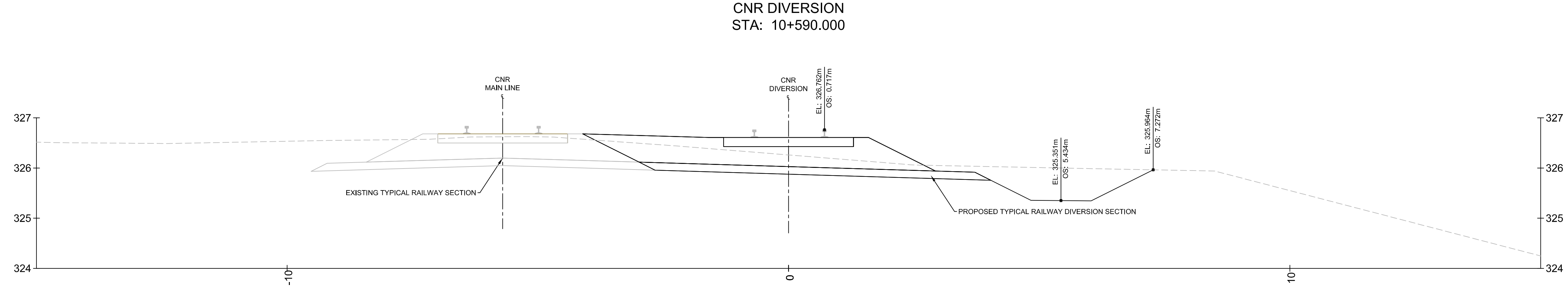
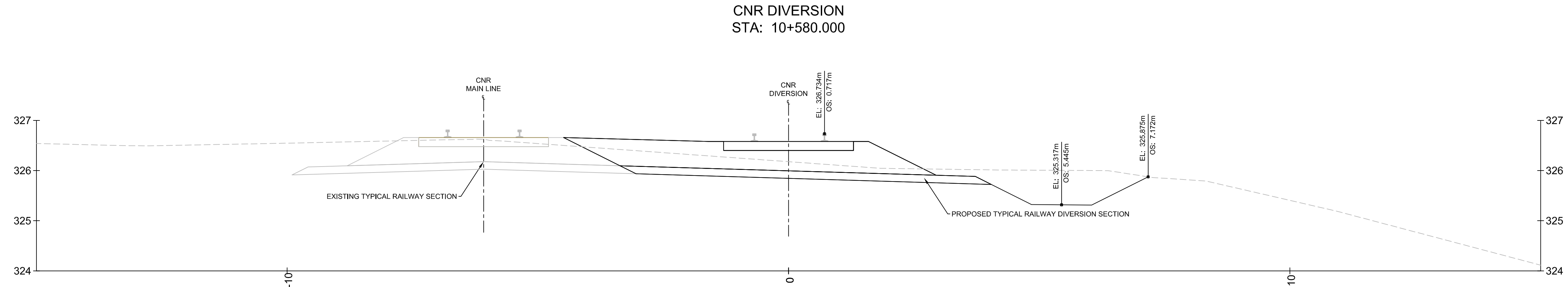
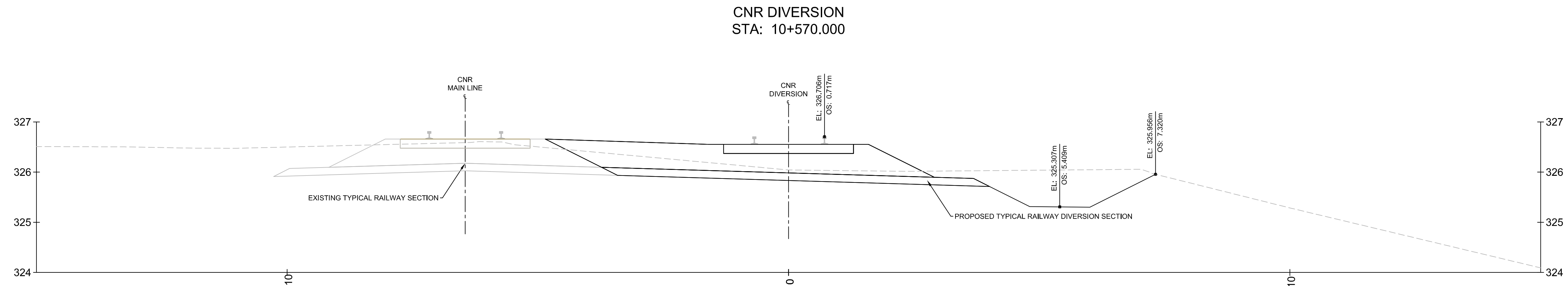
No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+530 - STA: 10+560

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

DRAWING DATE: 2011/12/04 PROJECT: 1366 SHEET: 14 of 16



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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- EXISTING GRADE
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TOPOGRAPHIC SURVEY
COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
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No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08

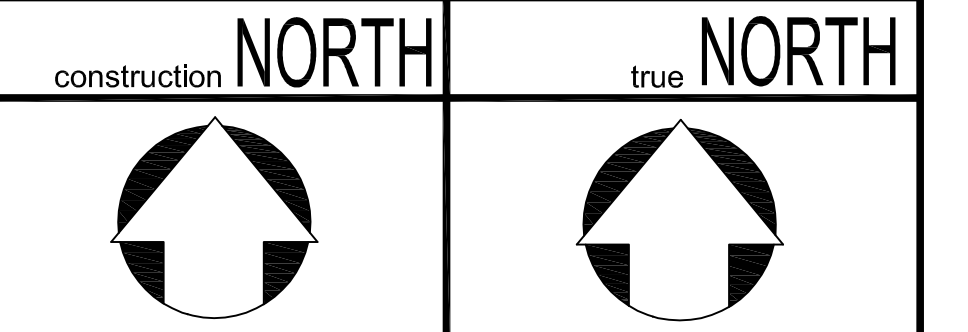
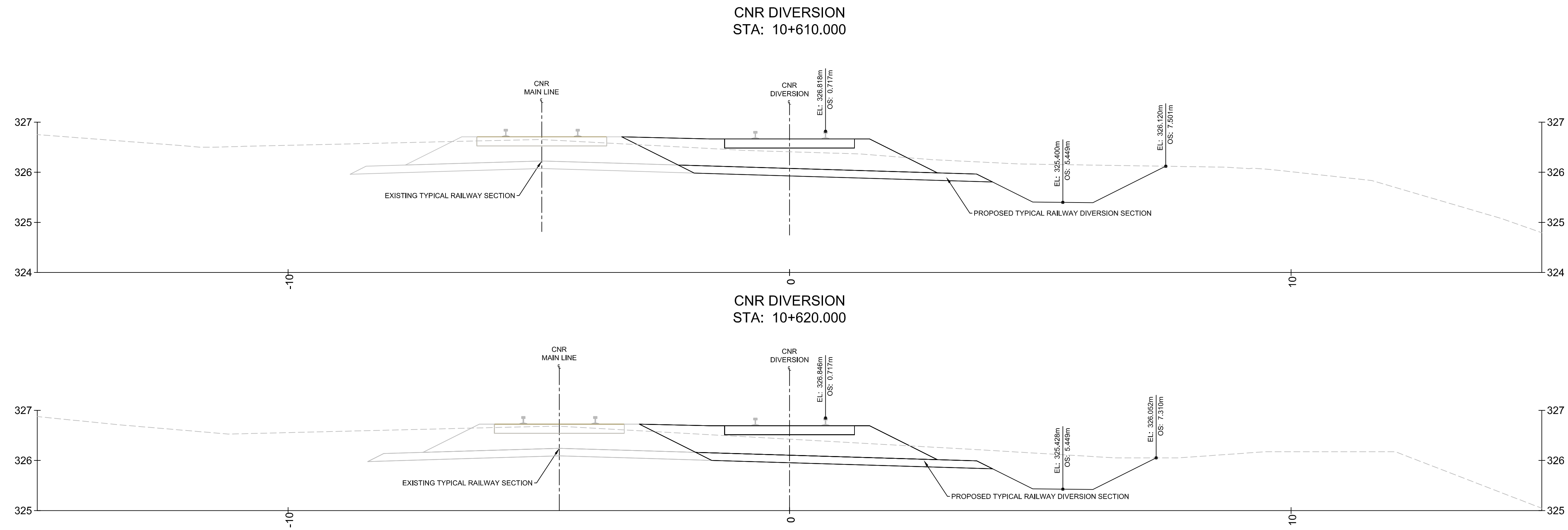


**CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
STA: 10+570 - STA: 10+600**

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: **TW-1366** SHEET No.: **15 of 16** DWG. No.: **1366-R15**

DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 15 OF 16; GENERAL CONTRACTOR: GUELPH SUBWAY; CITY OF GUELPH; 568 SILVERCREEK DRIVE, GUELPH, ONT. N1H 6K7; TEL: 519-766-8200



THE POSITION OF THE POLE LINES, CONDUITS, WATERMANS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. DISTANCES AND MEASUREMENTS ARE IN METERS AND ARE NOT TO BE SCALED FROM DRAWING.

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LEGEND

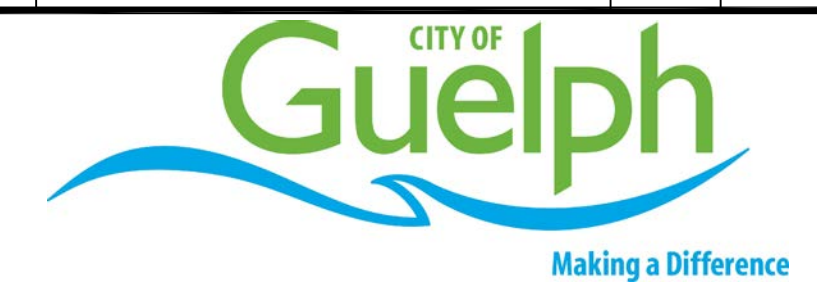
- EXISTING GRADE
- PROPOSED GRADE
- EXISTING RAIL BED STRUCTURE
- PROPOSED RAIL BED STRUCTURE
- PROPOSED SHORING REPRESENTATION

TOPOGRAPHIC SURVEY
 COMPLETED BY VAN HARTEN SURVEYING FALL OF 2011.

BENCHMARK
 CITY OF GUELPH BENCHMARK #55A BEING A TABLET LOCATED ON THE WEST SIDE OF GARAGE AT 568 SILVERCREEK DRIVE, 0.10m SOUTH OF NORTHWEST CORNER AND 0.20m ABOVE THE GROUND.

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No.	REVISION	By	DATE
1	REVISED FOR FINAL RAIL AUTHORITY APPROVAL	DK	2013/01/08
0	SUBMISSION FOR RAIL AUTHORITY APPROVAL	DK	2012/08/08



CROSS SECTIONS
CNR GUELPH-SUB. DIVERSION
 STA: 10+610 - STA: 10+650

DESIGN BY: P. Pittens	APPROVED BY: P. Jefford	DRAWN BY: DK
		DESIGNED BY: PCMP
		CHECKED BY: PFJ
		DATE: 2012/12/04
		SCALE: HORZ: 1:50 VERT: 1:50

FILE NAME: **TW-1366** SHEET No.: **16 of 16** DWG. No.: **1366-R16**

DRAWING DATE: 2011/12/04; PROJECT: 1366; SHEET: 16 OF 16; FILE: 1366-R16.DWG; USER: PJEFFORD