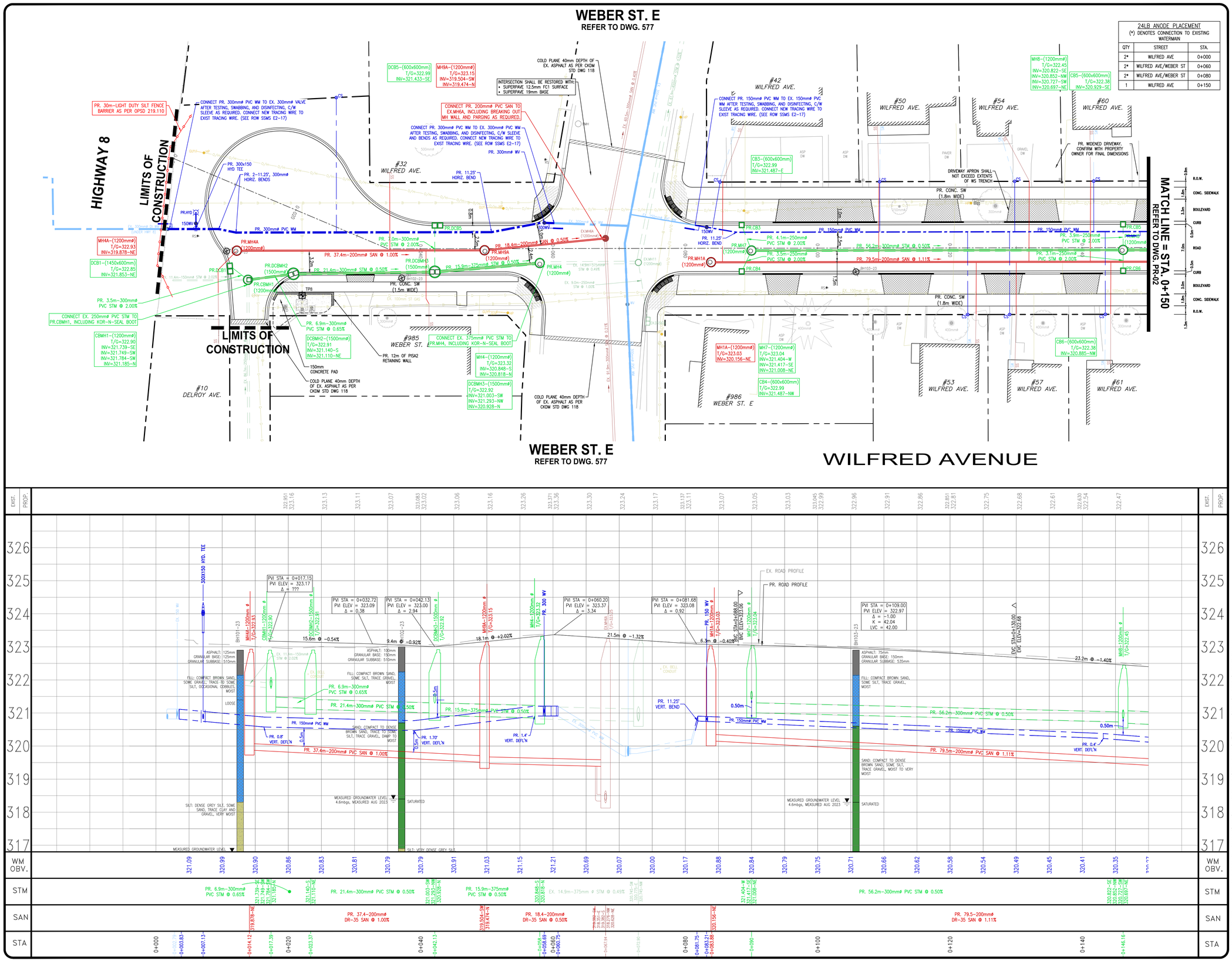
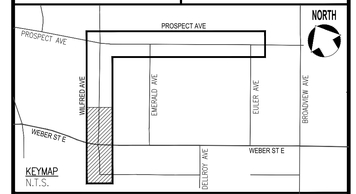


24LB ANODE PLACEMENT (*) DENOTES CONNECTION TO EXISTING WATERMAIN		
QTY	STREET	STA.
2*	WILFRED AVE	0+000
2*	WILFRED AVE/WEBER ST	0+060
2*	WILFRED AVE/WEBER ST	0+080
1	WILFRED AVE	0+150

trueNORTH constructionNORTH



KEYMAP
N.T.S.

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, 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.

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   ☆ IDENTIFIES LOTS APPEARING TO HAVE MULTIPLE SANITARY SERVICES

   PROPOSED SANITARY AND/OR WATER SERVICES TO BE INSTALLED TRENCHLESSLY TO AVOID CONFLICTS WITH TREES, PLANTING BEDS, ETC.

2. FOR PARALLEL INSTALLATION OF WATERMAIN AND A SANITARY/STORM SEWER (INCLUDING A CATCHBASIN LEAD), PROVIDE MINIMUM 2.5m CLEAR HORIZONTAL SEPARATION DISTANCE FROM PIPE EDGE TO PIPE EDGE. FOR CROSSING OF A WATERMAIN BELOW OR ABOVE A SANITARY/STORM SEWER (INCLUDING A CATCHBASIN LEAD) PROVIDE A 0.5m CLEAR VERTICAL SEPARATION DISTANCE BETWEEN CROWN WATERMAIN AND INVERT OF SEWER.

3. SANITARY SERVICES ARE 100mmø OR 150mmø PVC DR 28, AND CONNECTION TO EXISTING WILL BE AT PROPERTY LINE, UNLESS OTHERWISE DIRECTED.

4. STORM SERVICES ARE 150mmø PVC DR 28, AND CONNECTION TO EXISTING WILL BE AT PROPERTY LINE, UNLESS OTHERWISE DIRECTED.

5. ALL WATER SERVICE CONNECTIONS ARE 25mmø P.E. PIPE WITH SERVICE BOXES SET ON PROPERTY LINE, UNLESS OTHERWISE NOTED.

MAINTENANCE HOLES, CATCHBASIN MAINTENANCE HOLES, AND CATCHBASINS

6. FOR MAINTENANCE HOLES, CATCHBASIN MAINTENANCE HOLES, AND CATCHBASIN GRATE ELEVATIONS ARE THE FINISHED PAVEMENT ELEVATION AT THE CENTRE OF THE STRUCTURE. SIDE INLET CATCHBASIN GRATE ELEVATIONS ARE THE TOP OF THE CURB ELEVATION.

7. MAINTENANCE HOLE TAPER CONES AND FRAMES SHALL BE ROTATED TO ENSURE THE COVER IS NOT POSITIONED IN THE WHEEL PATH.

STORM SEWER PIPE MATERIAL

8. STORM SEWER MATERIAL SHALL INSTALLED BE PER DGSSMS C.3.1.7, UNLESS OTHERWISE NOTED IN THE CONTRACT DRAWINGS.

BOREHOLES

REFER TO REPORT No. 53540-103 BY MTE CONSULTANTS DATED OCTOBER 30, 2023.

PAVEMENT STRUCTURE

HL3 SURFACE ASPHALT.....40mm
HL4 BINDER ASPHALT.....80mm
GRANULAR "A" BASE.....210mm
GRANULAR "B" BASE.....400mm

- ALL RESIDENTIAL DWY.'S PER CKDM 109
- ALL SIDEWALK RAMPS PER CKDM 116 AND 117.
- SIDEWALK AT INDUSTRIAL, COMMERCIAL AND HIGH DENSITY RESIDENTIAL PROPERTIES TO BE A THICKNESS OF 200mm.

EROSION AND SEDIMENT CONTROL

9. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL CONSIST OF CATCH BASIN SEDIMENT TRAPS AS PER CKSS 805.

OTHER UTILITIES

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SURVEY

CONDITION SURVEY BY CITY OF KITCHENER JUL. 2024
FIELDBOOK # 00-000

BENCHMARK

TOPOGRAPHICAL SURVEY TABLET IN SIDEWALK, OPPOSITE (DARE COOKIE FACTORY) NO NORTH SIDE OF KINGSWAY DR. 70 FEET NORTH FROM THE CENTRE OF INTERSECTION OF KINGSWAY DR. AND NINTH AVE., 67.2 FEET NE FROM FIRE HYDRANT, 89.7 FET NW FROM A LAMP POST AND 46 FEET SE OF ANOTHER LAMP POST, 1.5 FEET SW FROM CONCRETE RETAINING WALL.
APPROX UTM 544768.47, 4809032.57; ELEV. = 327.39m

NO.	REVISION	BY	MM/DD/YY
3	ISSUED FOR 90% DESIGN	DP	09/26/25
2	ISSUED FOR 60% DESIGN	DP	07/11/25
1	ISSUED FOR 30% DESIGN	DP	06/06/25

The Corporation Of The CITY OF KITCHENER

Development Services

Engineering Division

PROPOSED CONDITIONS

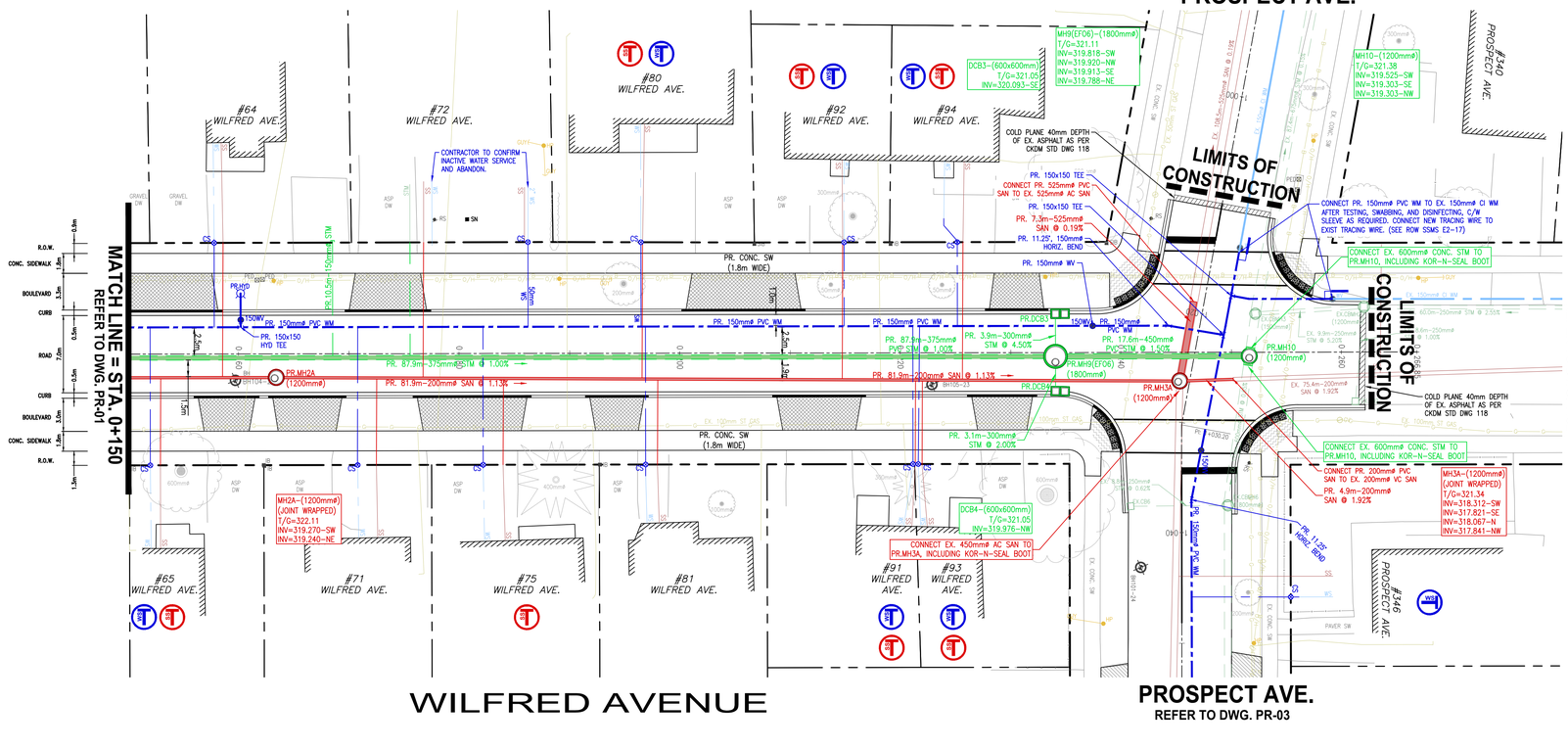
WILFRED AVENUE

FROM STA. 0+150 TO HWY 8 (CUL-DE-SAC)

DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL

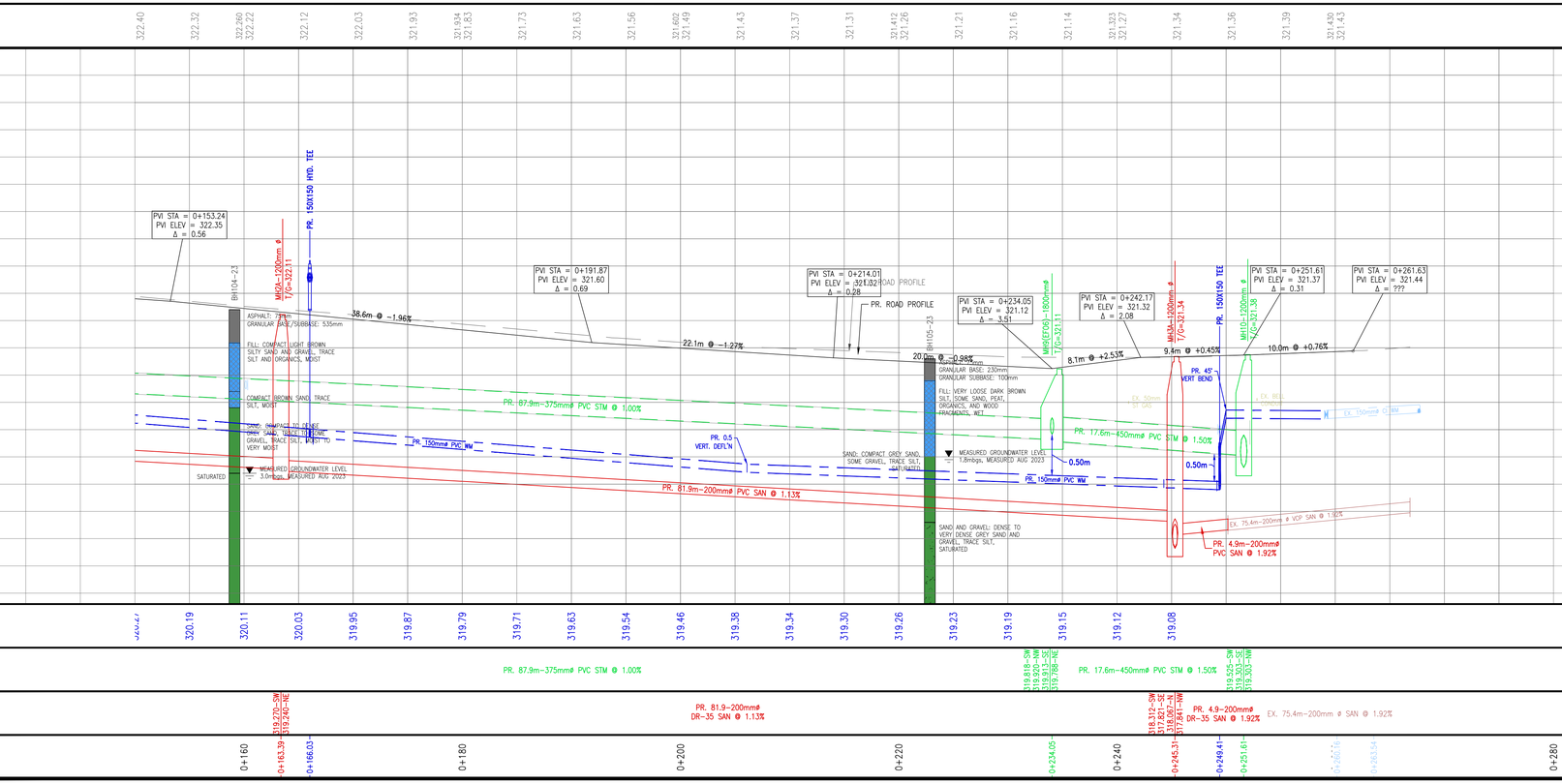
DATE: (MM.DD.YYYY) 10.15.2024
SCALE: HOR.-1:250 / VER.-1:50
SHEET No. 07 of 17
DWG. No. PR-01

Plotted By: DavidPh Filename: S:\Drawings\24\11-436 Project Files\Capital Projects\24-21\Wilfred Ave\Drawings\24_SheetFiles\Wilfred_PR_Sheets.dwg Date: Oct. 20, 2025 - 9:48 am

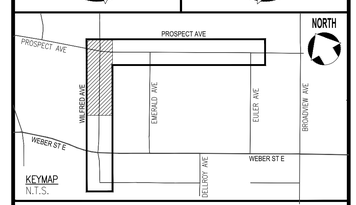


24LB ANODE PLACEMENT
(*) DENOTES CONNECTION TO EXISTING WATERMAIN

QTY.	STREET	STA.
2*	WILFRED AVE	0+260
2*	PROSPECT AVE	1+013



trueNORTH constructionNORTH



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7. MAINTENANCE HOLE TAPER CONES AND FRAMES SHALL BE ROTATED TO ENSURE THE COVER IS NOT POSITIONED IN THE WHEEL PATH.

STORM SEWER PIPE MATERIAL

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BOREHOLES

REFER TO REPORT No. 53540–103 BY MTE CONSULTANTS DATED OCTOBER 30, 2023.

PAVEMENT STRUCTURE

HL3 SURFACE ASPHALT.....40mm
HL4 BINDER ASPHALT.....80mm
GRANULAR "A" BASE.....210mm
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- ALL RESIDENTIAL DWY.'S PER CKDM 109
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SURVEY

CONDITION SURVEY BY CITY OF KITCHENER JUL. 2024
FIELDBOOK # 00–000

BENCHMARK

TOPOGRAPHICAL SURVEY TABLET IN SIDEWALK, OPPOSITE (DARE COOKIE FACTORY) NO NORTH SIDE OF KINGSWAY DR. 70 FEET NORTH FROM THE CENTRE OF INTERSECTION OF KINGSWAY DR. AND NINTH AVE., 67.2 FEET NE FROM FIRE HYDRANT, 89.7 FEET NW FROM A LAMP POST AND 46 FEET SE OF ANOTHER LAMP POST, 1.5 FEET SW FROM CONCRETE RETAINING WALL.
APPROX UTM 544768.47, 4809032.57; ELEV. = 327.39m

NO.	REVISION	BY	MM/DD/YY
3	ISSUED FOR 90% DESIGN	DP	09/26/25
2	ISSUED FOR 60% DESIGN	DP	07/11/25
1	ISSUED FOR 30% DESIGN	DP	06/06/25

The Corporation Of The
CITY OF KITCHENER

Development Services

Engineering Division

PROPOSED CONDITIONS
WILFRED AVENUE
FROM PROSPECT AVE TO STA. 0+150

DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL

DATE: (MM.DD.YYYY) 10.15.2024
SCALE: HOR.–1:250 / VER.–1:50
SHEET No. 08 of 17
DWG. No. PR-02

Plotted By: DavidPh Date: Oct. 20, 2025 - 9:48 am
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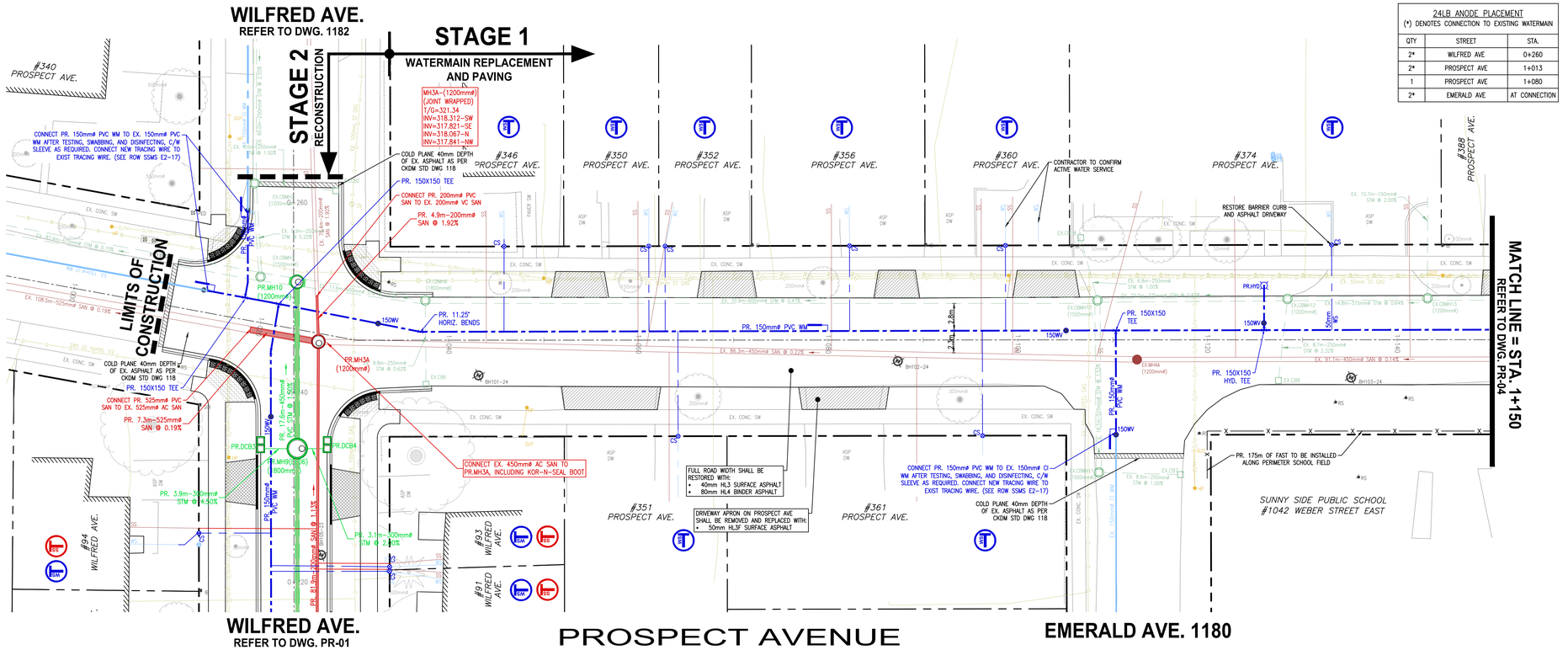
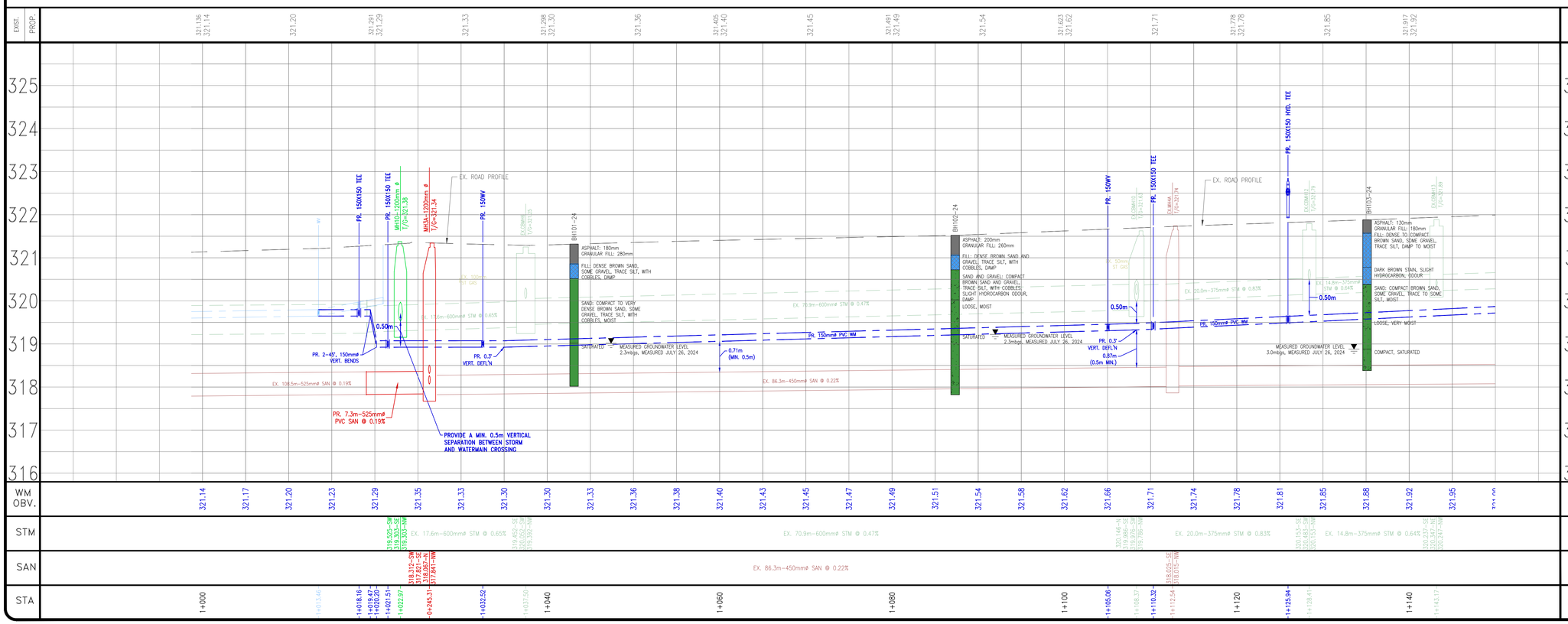
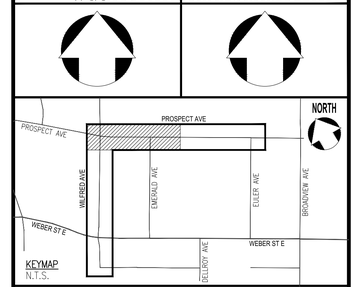


24LB ANODE PLACEMENT (*) DENOTES CONNECTION TO EXISTING WATERMAIN		
QTY	STREET	STA.
2*	WILFRED AVE	0+260
2*	PROSPECT AVE	1+013
1	PROSPECT AVE	1+080
2*	EMERALD AVE	AT CONNECTION





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STORM SEWER PIPE MATERIAL

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BOREHOLES

REFER TO REPORT No. 53540-103 BY MTE CONSULTANTS DATED OCTOBER 30, 2023.

PAVEMENT STRUCTURE

HL3 SURFACE ASPHALT.....40mm
HL4 BINDER ASPHALT.....80mm
GRANULAR "A" BASE.....210mm
GRANULAR "B" BASE.....400mm

- ALL RESIDENTIAL DWY.'S PER CKDM 109
- ALL SIDEWALK RAMPS PER CKDM 116 AND 117.
- SIDEWALK AT INDUSTRIAL, COMMERCIAL AND HIGH DENSITY RESIDENTIAL PROPERTIES TO BE A THICKNESS OF 200mm.

EROSION AND SEDIMENT CONTROL

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SURVEY

CONDITION SURVEY BY CITY OF KITCHENER JUL. 2024
FIELDBOOK # 00-000

BENCHMARK

TOPOGRAPHICAL SURVEY TABLET IN SIDEWALK, OPPOSITE (DARE COOKIE FACTORY) NO NORTH SIDE OF KINGSWAY DR. 70 FEET NORTH FROM THE CENTRE OF INTERSECTION OF KINGSWAY DR. AND NINTH AVE., 67.2 FEET NE FROM FIRE HYDRANT, 89.7 FEET NW FROM A LAMP POST AND 46 FEET SE OF ANOTHER LAMP POST, 1.5 FEET SW FROM CONCRETE RETAINING WALL.
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NO.	REVISION	BY	MM/DD/YY
3	ISSUED FOR 90% DESIGN	DP	09/26/25
2	ISSUED FOR 60% DESIGN	DP	07/11/25
1	ISSUED FOR 30% DESIGN	DP	06/06/25

The Corporation Of The
CITY OF KITCHENER

Development Services

Engineering Division

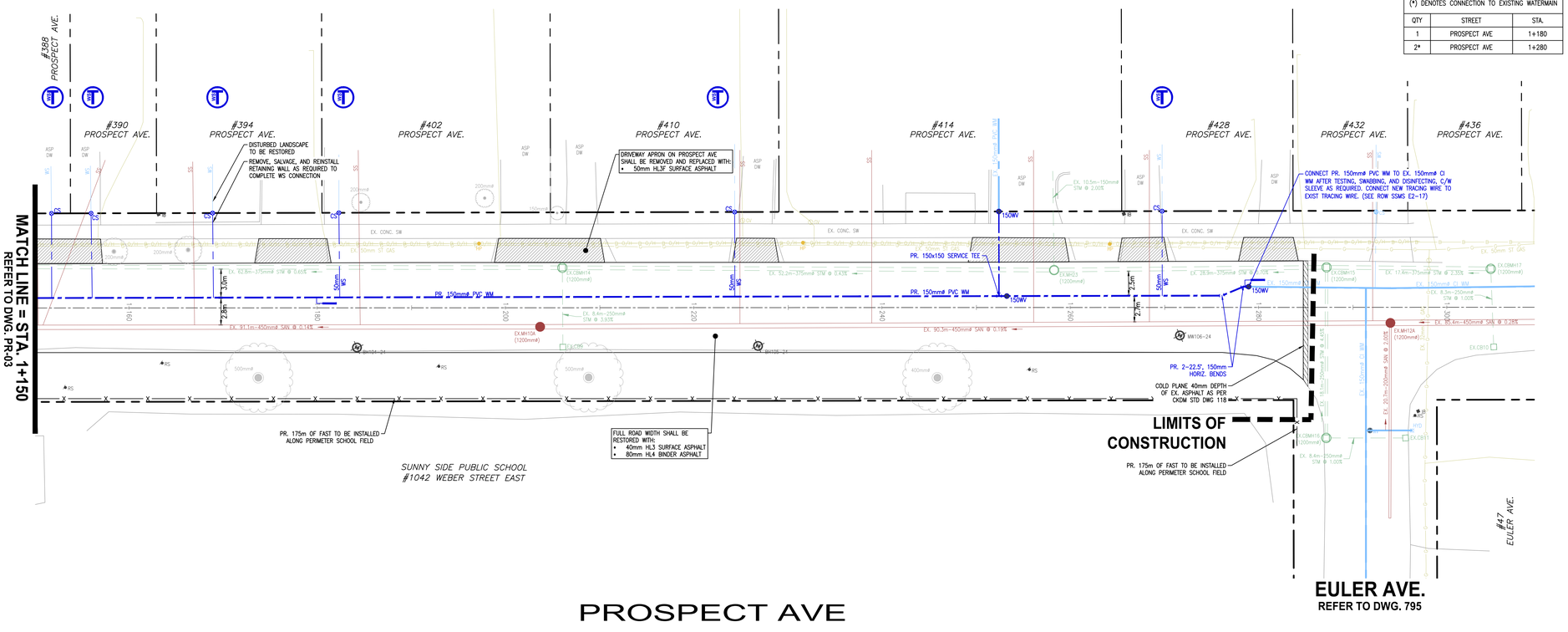
PROPOSED 150mm WATERMAIN
PROSPECT AVENUE
FROM WILFRED AVE. TO STA. 1+150

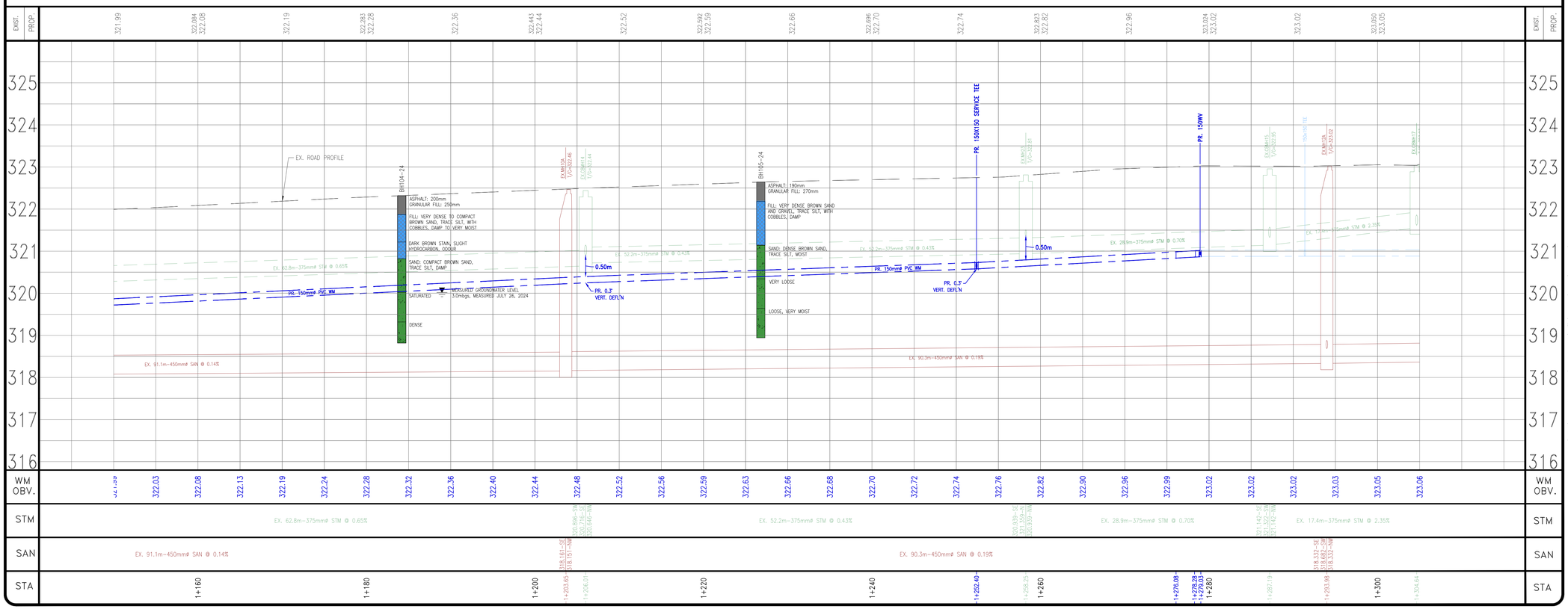
DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL

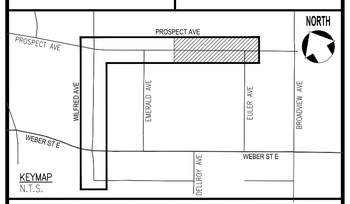
DATE: (MM.DD.YYYY) 04.10.2025
SCALE: HOR.-1:250 / VER.-1:50
SHEET No. 09 of 17
DWG. No. PR-03

Plotted By: DavidPh Filename: S:\Drawing\01-11-436 Project Files\Capital Projects\ 04-21\Wilfred Ave\Drawings\04_Sheet\Plan\Prospect_PR_Sheet1.dwg Date: Oct. 20, 2025 - 9:47 am

24LB ANODE PLACEMENT (*) DENOTES CONNECTION TO EXISTING WATERMAIN		
QTY	STREET	STA.
1	PROSPECT AVE	1+180
2*	PROSPECT AVE	1+280







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REFER TO REPORT No. 53540-103 BY MTE CONSULTANTS DATED OCTOBER 30, 2023.

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SURVEY

CONDITION SURVEY BY CITY OF KITCHENER JUL. 2024
FIELDBOOK # 00-000

BENCHMARK

TOPOGRAPHICAL SURVEY TABLET IN SIDEWALK, OPPOSITE (DARE COOKIE FACTORY) NO NORTH SIDE OF KINGSWAY DR. AND NINTH AVE., 67.2 FEET NE FROM FIRE HYDRANT, 89.7 FEET NW FROM A LAMP POST AND 46 FEET SE OF ANOTHER LAMP POST, 1.5 FEET SW FROM CONCRETE RETAINING WALL.
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NO.	REVISION	BY	MM/DD/YY
3	ISSUED FOR 90% DESIGN	DP	09/26/25
2	ISSUED FOR 60% DESIGN	DP	07/11/25
1	ISSUED FOR 30% DESIGN	DP	06/06/25

The Corporation Of The
CITY OF KITCHENER

Development Services

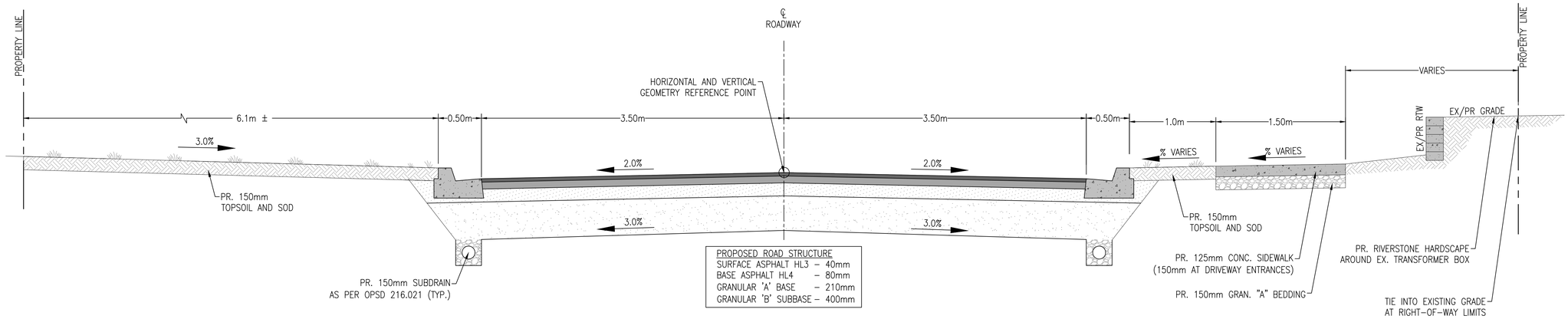
Engineering Division

PROPOSED 150mm WATERMAIN
PROSPECT AVENUE
FROM STA. 1+150 TO EULER AVE.

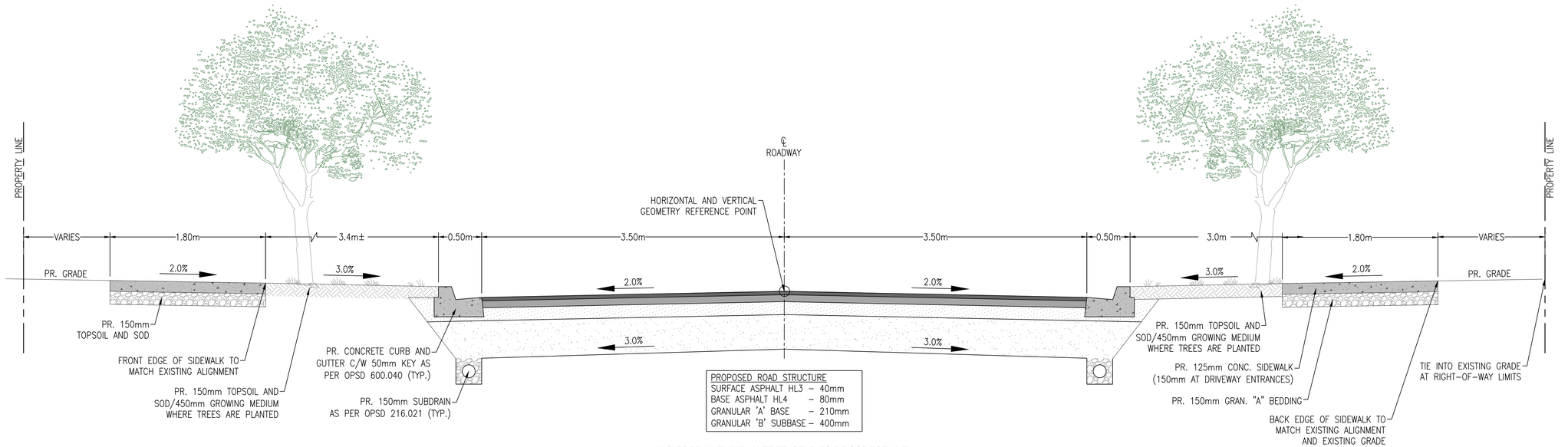
DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL

DATE: (MM.DD.YYYY) 04.10.2025
SCALE: HOR.-1:250 / VER.-1:50
SHEET No. 10 of 17
DWG. No. PR-04

Plotted By: DavidPh Filename: S:\Growing\01-1+436 Project Files\Capital Projects\ 04-21\Wilfrid Ave\Drawings\04_Sheet\Sets\Prospect_PR_Sheet1.dwg Date: Oct. 30, 2025 - 9:47 am



WILFRED AVENUE - HWY 8 TO WEBER ST E
TYPICAL CROSS SECTION
1:25



WILFRED AVENUE - WEBER ST. E TO PROSPECT AVE
TYPICAL CROSS SECTION
1:25

true NORTH | construction NORTH

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NOTES:

SURVEY

CONDITION SURVEY BY CITY OF KITCHENER JUL. 2024
FIELDBOOK # 00-000

BENCHMARK

TOPOGRAPHICAL SURVEY TABLET IN SIDEWALK, OPPOSITE (DARE COOKIE FACTORY) NO NORTH SIDE OF KINGSWAY DR , 70 FEET NORTH FROM THE CENTRE OF INTERSECTION OF KINGSWAY DR. AND NINTH AVE., 67.2 FEET NE FROM FIRE HYDRANT, 89.7 FEET NW FROM A LAMP POST AND 46 FEET SE OF ANOTHER LAMP POST, 1.5 FEET SW FROM CONCRETE RETAINING WALL.
APPROX UTM 544768.47, 4809032.57
ELEV. = 327.39m

NO.	REVISION	BY	MM/DD/YY
3	ISSUED FOR 90% DESIGN	DP	09/26/25
2	ISSUED FOR 60% DESIGN	DP	07/11/25
1	ISSUED FOR 30% DESIGN	DP	06/06/25

The Corporation Of The
CITY OF KITCHENER

Development Services

Engineering Division

CROSS-SECTIONS
TYPICAL SECTIONS WILFRED AVENUE

DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL
		DATE: (MM.DD.YYYY) 04.10.2025
		SCALE: HOR.-1:25
		SHEET No. 11 of 17
		DWG. No. DTL-01

Date: Sep. 30, 2025 – 9:47 am Plotted by: DavidPh Filename: S:\General\01-11-456 Project Files\Capital Projects (A-Z)\W\Wilfred Ave\Drawings\04_SheetFiles\Wilfred_Detail_Sheets.dwg

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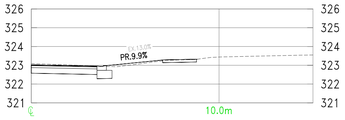

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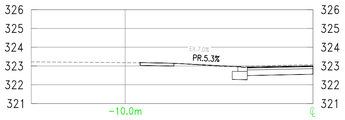

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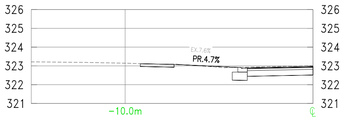

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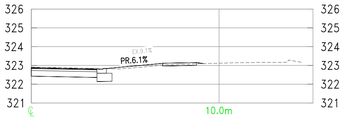

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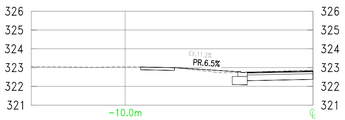

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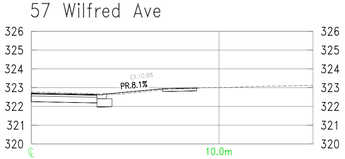

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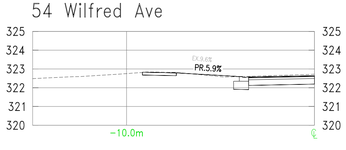

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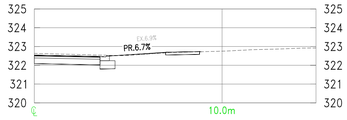

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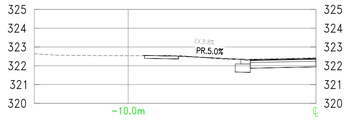

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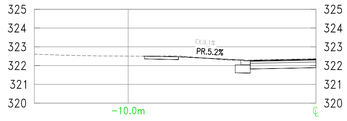

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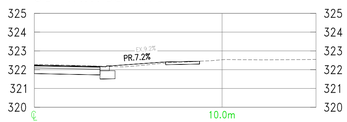

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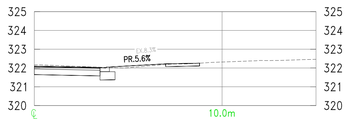

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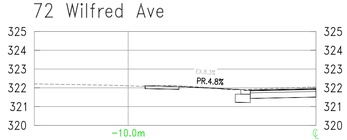

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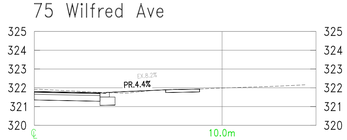

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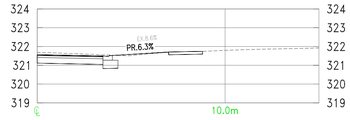

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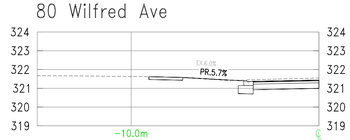

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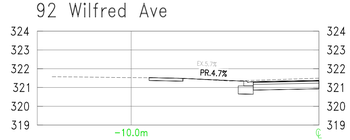

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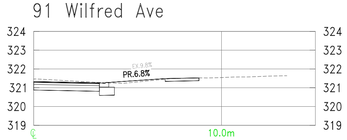

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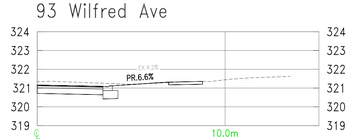

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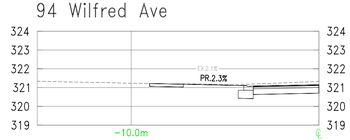

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DRIVEWAY SECTIONS WILFRED AVENUE

DESIGNED BY:	APPROVED BY:	DRAWN BY:
D.PHAN	D.LUPSA	P. PAUDEL
		DATE: (MM.DD.YYYY) 04.10.2025
		SCALE: HOR.-1:25
		SHEET No. 12 of 17
		DWG. No. DTL-02

Plotted By: DavidPh - Filename: S:\Drawing\01-111-124 Project Files\Cadd Projects (6-7)\Wilfred Ave\Drawings\04_Detail\Dtl_Wilfred_Ave_Details_Sheet3.dwg - Date: Sep. 30, 2025 - 11:47 am