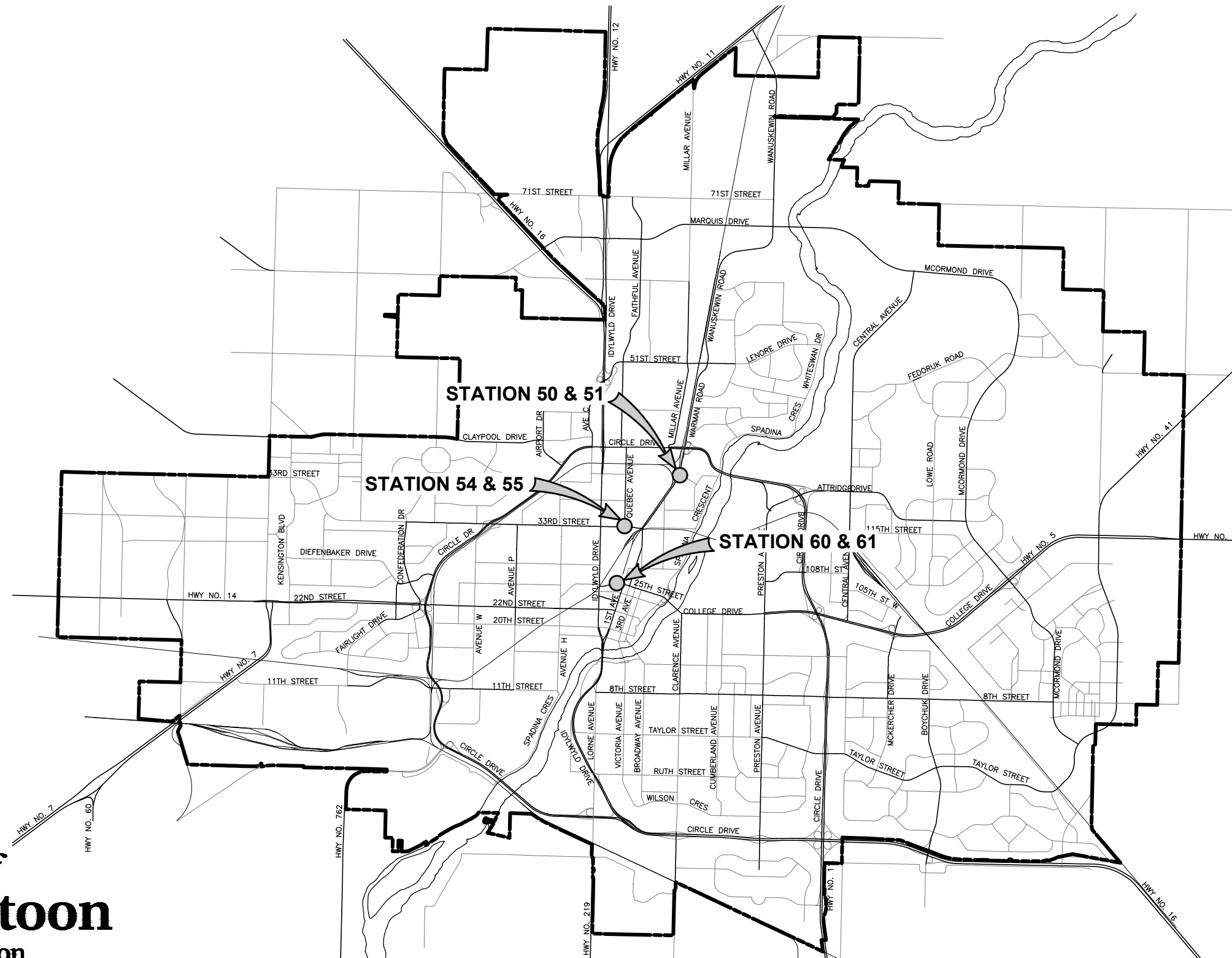


BUS RAPID TRANSIT SYSTEM STATION DESIGNS CONTRACT NO. 3



FILE NAME: Z0012044-TR-3001-CONTRACT_3_INDEX.DWG PLOT: July 22, 2024 10:58 AM BY: REBECCA GALBRAITH

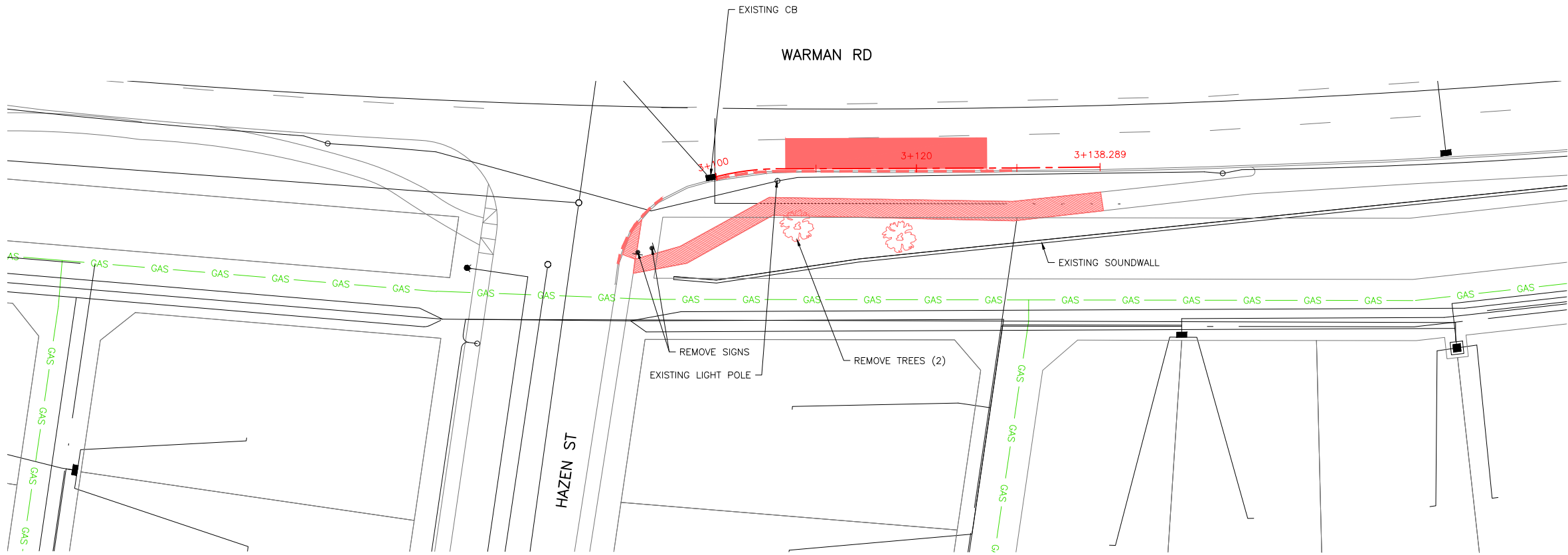
		DRAWING INDEX			
PLAN NO.		DESCRIPTION			
Z0012044-TR-3000		COVER PAGE			
Z0012044-TR-3001		INDEX OF DRAWINGS			
Z0012044-TR-3100		STATION 50	BLUE LINE	HAZEN STREET & WARMAN ROAD	REMOVALS PLAN
Z0012044-TR-3101		STATION 50	BLUE LINE	HAZEN STREET & WARMAN ROAD	INSTALLATION PLAN
Z0012044-TR-3102		STATION 50	BLUE LINE	HAZEN STREET & WARMAN ROAD	CROSS SECTIONS
Z0012044-TR-3103		STATION 50	BLUE LINE	HAZEN STREET & WARMAN ROAD	PLATFORM DETAILS
Z0012044-TR-3200		STATION 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	REMOVALS PLAN
Z0012044-TR-3201		STATION 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	INSTALLATION PLAN
Z0012044-TR-3202		STATION 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	CROSS SECTIONS
Z0012044-TR-3203		STATION 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	PLATFORM DETAILS
Z0012044-TR-3300		STATION 54	BLUE LINE	33RD STREET & QUEBEC AVENUE	REMOVALS PLAN
Z0012044-TR-3301		STATION 54	BLUE LINE	33RD STREET & QUEBEC AVENUE	INSTALLATION PLAN
Z0012044-TR-3302		STATION 54	BLUE LINE	33RD STREET & QUEBEC AVENUE	CROSS SECTIONS
Z0012044-TR-3303		STATION 54	BLUE LINE	33RD STREET & QUEBEC AVENUE	PLATFORM DETAILS
Z0012044-TR-3400		STATION 55	BLUE LINE	33RD STREET & QUEBEC AVENUE	REMOVALS PLAN
Z0012044-TR-3401		STATION 55	BLUE LINE	33RD STREET & QUEBEC AVENUE	INSTALLATION PLAN
Z0012044-TR-3402		STATION 55	BLUE LINE	33RD STREET & QUEBEC AVENUE	CROSS SECTIONS
Z0012044-TR-3403		STATION 55	BLUE LINE	33RD STREET & QUEBEC AVENUE	PLATFORM DETAILS
Z0012044-TR-3500		STATION 60	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	REMOVALS PLAN
Z0012044-TR-3501		STATION 60	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	INSTALLATION PLAN
Z0012044-TR-3502		STATION 60	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	CROSS SECTIONS
Z0012044-TR-3503		STATION 60	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	PLATFORM DETAILS
Z0012044-TR-3600		STATION 61	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	REMOVALS PLAN
Z0012044-TR-3601		STATION 61	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	INSTALLATION PLAN
Z0012044-TR-3602		STATION 61	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	CROSS SECTIONS
Z0012044-TR-3603		STATION 61	BLUE LINE	25TH STREET EAST & ONTARIO AVENUE	PLATFORM DETAILS

11				<div><div>CHECKED BY:</div><div></div><div>CHECKED BY:</div><div></div><div>DATE</div><div></div><div>DATE</div><div></div><div>DRAWN BY</div><div></div><div>DATE</div><div></div></div>
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3	ISSUED FOR TENDER	2024-07-22	CIMA+	
2	ISSUED FOR REVIEW	2024-07-12	CIMA+	
1	ISSUED FOR REVIEW	2024-06-17	CIMA+	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

		DRAWING INDEX			
PLAN NO.		DESCRIPTION			
Z0012044-TR-3700		STANDARD DETAILS UNDERGROUND ELECTRICAL CONNECTIONS			
Z0012044-TR-3701		STANDARD DETAILS RIGID PAVEMENT TYPICAL JOINT DETAILS			
Z0012044-TR-3702		STANDARD DETAILS PLATFORM STRUCTURAL DETAILS			
Z0012044-TR-3703		STANDARD DETAILS TREE COLLAR / PAVING STONE DETAILS			
Z0012044-TR-3704		STANDARD DETAILS BOLLARD DETAIL			
Z0012044-TR-3705		STANDARD DETAILS GARBAGE RECEPTACLE BASE DETAIL			
Z0012044-TR-3706		STANDARD DETAILS TREE PLANTING DETAIL			
Z0012044-TR-3707		STANDARD DETAILS AMENITY STRIP DETAIL			
Z0012044-TR-3800		STATION 50 & 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	TRAFFIC SIGNALS
Z0012044-TR-3801		STATION 50 & 51	BLUE LINE	HAZEN STREET & WARMAN ROAD	TRAFFIC SIGNALS

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- REMOVE CURB



Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION
CIMA CANADA
Number C1396

Permission to Consult held by:

Discipline: Sk. Reg. No. Signature
TRANSPORTATION 13420

CIMA+

ENGINEER

SCALES :
HOR. 1:500
VERT. DATE

SHEET NO. PLAN NO.
- Z0012044-TR-3100

FILE NAME: Z0012044-TR-3100-CONTRACT_3-STATION_50.DWG PLOT: July 22, 2024 10:37 AM BY: REBECCA GALBRAITH

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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY	DATE



BUS RAPID TRANSIT SYSTEM

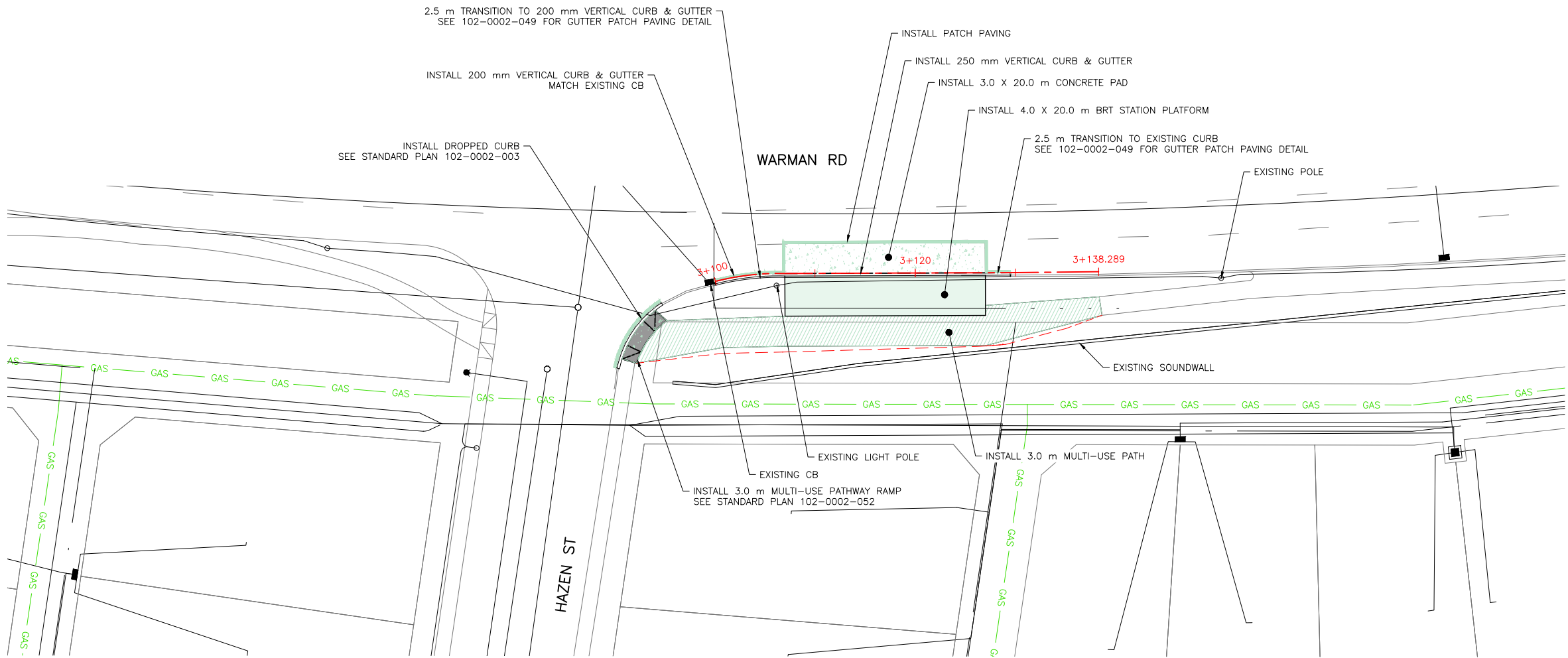
STATION 50
BLUE LINE
HAZEN STREET & WARMAN ROAD
REMOVALS PLAN

LEGEND:

- ASPHALT INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- PEDESTRIAN RAMP INSTALLATION
- MULTI-USE PATH
- DAYLIGHT - CUT
- DAYLIGHT - FILL

NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%



CIMA+

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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STATION 50

BLUE LINE

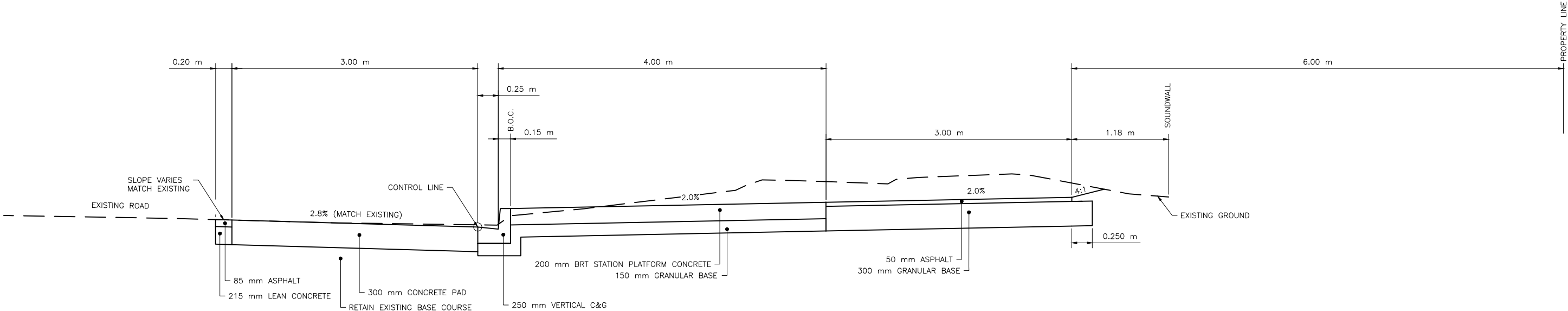
HAZEN STREET & WARMAN ROAD

INSTALLATION PLAN

ENGINEER	
SCALES :	
HOR. 1:500	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3101

FILE NAME: Z0012044-TR-3100-CONTRACT_3-STATION_50.DWG PLOT: July 22, 2024 10:37 AM BY: REBECCA GALBRAITH

- NOTES:
1. SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
- FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074
 - 3000 MULTI-USE PATHWAY - 102-0002-055



TYPICAL CROSS SECTION
STA 3+120



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

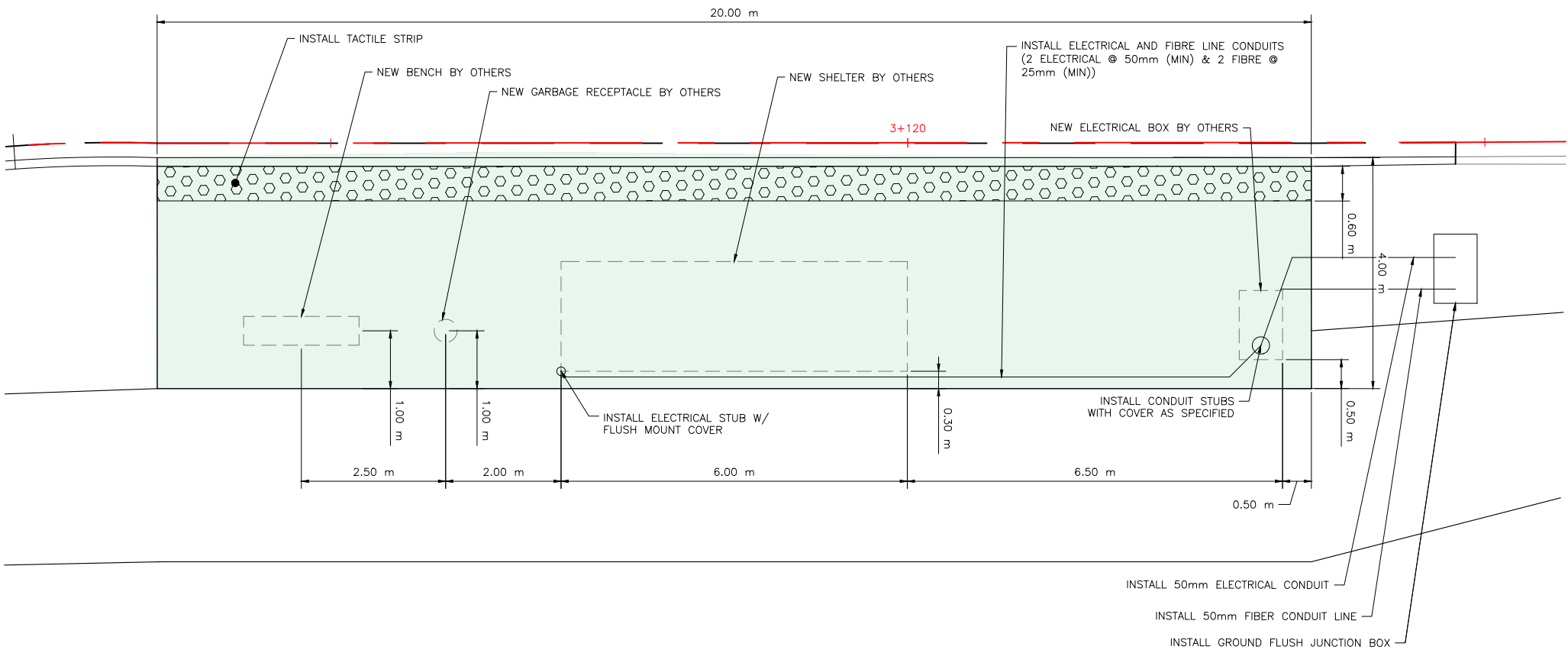
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DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STATION 50
BLUE LINE
HAZEN STREET & WARMAN ROAD
CROSS SECTIONS

ENGINEER	
SCALES : HOR. 1:50 VERT. _____	DATE _____
SHEET NO. -	PLAN NO. Z0012044-TR-3102

FILE NAME: Z0012044-TR-3100-CONTRACT_3-STATION_50.DWG PLOT: July 22, 2024 10:37 AM BY: REBECCA GALBRAITH



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STATION 50
BLUE LINE
HAZEN STREET & WARMAN ROAD
PLATFORM DETAILS

ENGINEER	
SCALES : HOR. 1:100 VERT.	DATE
SHEET NO. -	PLAN NO. Z0012044-TR-3103

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- REMOVE CURB



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STATION 51

BLUE LINE

HAZEN STREET & WARMAN ROAD

REMOVALS PLAN

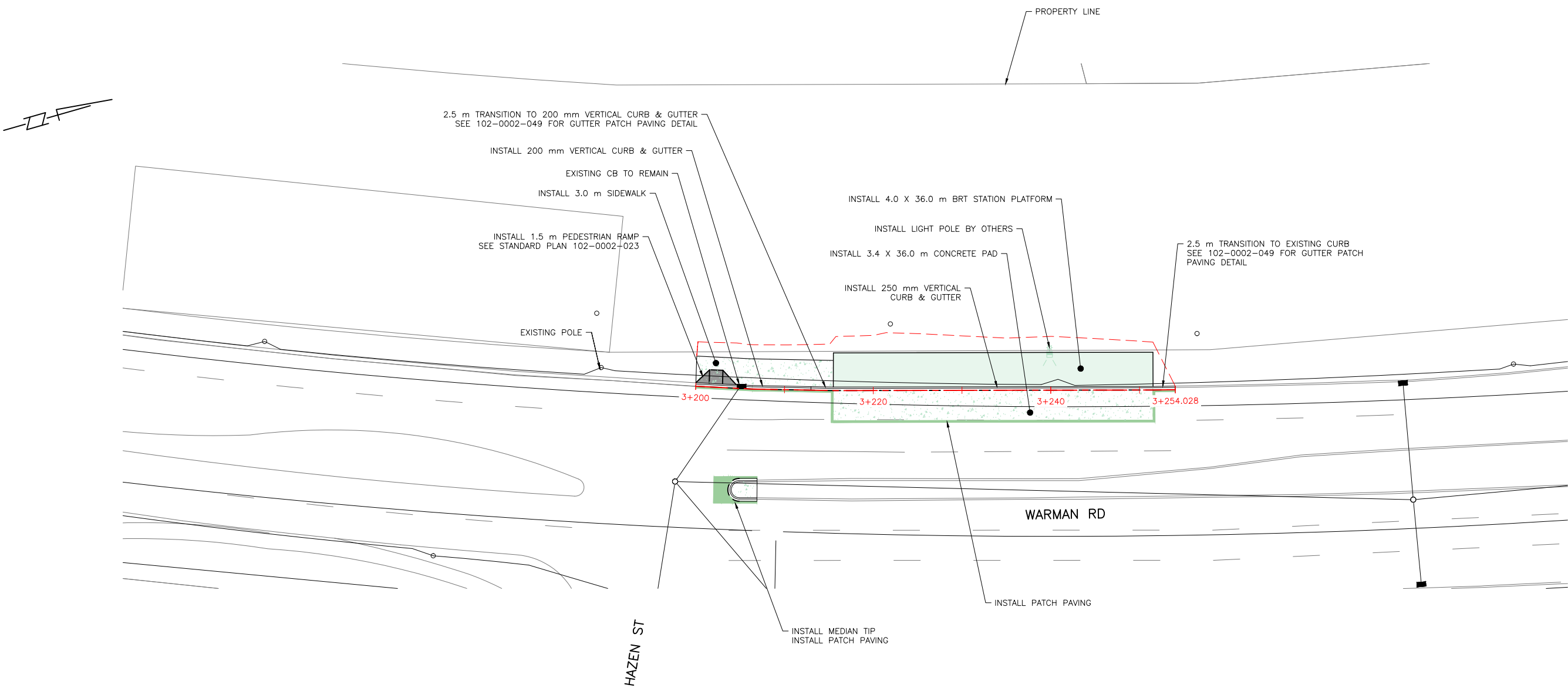
ENGINEER	
SCALES : HOR. 1:500 VERT.	DATE
SHEET NO. -	PLAN NO. Z0012044-TR-3200

LEGEND:

- ASPHALT INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- PEDESTRIAN RAMP INSTALLATION
- DAYLIGHT - CUT
- DAYLIGHT - FILL

NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%



CIMA+

ENGINEER

SCALES :
HOR. 1:500
VERT. DATE

SHEET NO. PLAN NO.
- Z0012044-TR-3201

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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY	DATE

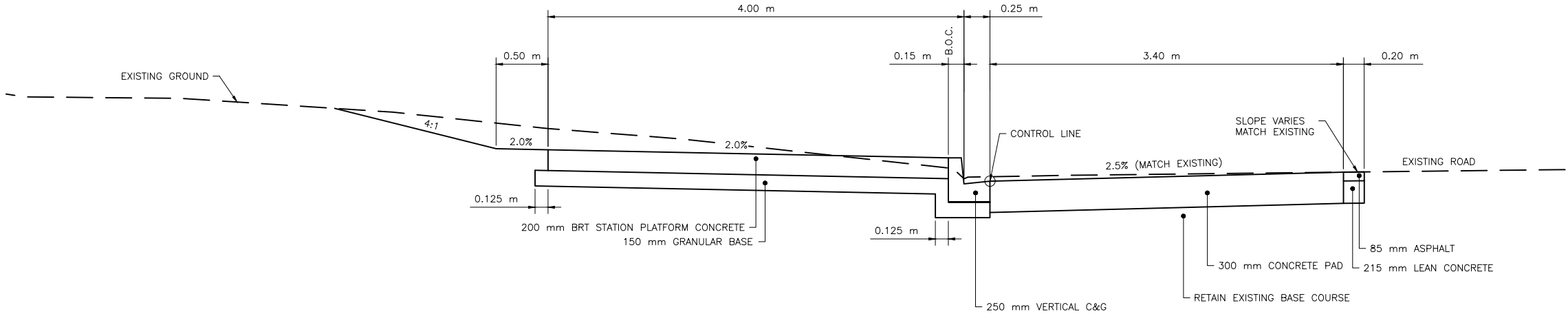


BUS RAPID TRANSIT SYSTEM

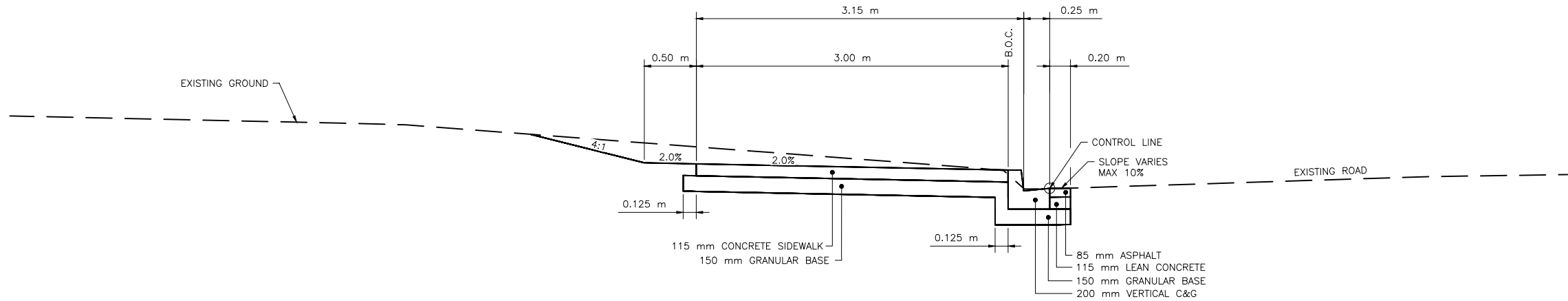
STATION 51
BLUE LINE
HAZEN STREET & WARMAN ROAD
INSTALLATION PLAN

FILE NAME: Z0012044-TR-3200-CONTRACT_3_STATION_51.DWG PLOT: July 22, 2024 9:25 AM BY: REBECCA GALBRAITH

- NOTES:
- SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
 - FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - GRADE CONSTRUCTION FOR SIDEWALK, CURB & GUTTER - 102-0002-019
 - GRADE CONSTRUCTION FOR WALKWAY & SEPARATE SIDEWALK - 102-0002-020
 - CONTROL JOINTS - 102-0002-021
 - DOWEL/CONTROL JOINT LOCATION AND SPACING - 102-0002-022
 - TYPICAL TRANSITION, COMBINED SIDEWALK & CURB - 102-0002-028
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074



TYPICAL CROSS SECTION
STA 3+230



TYPICAL CROSS SECTION
STA 3+207



CIMA+

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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STATION 51

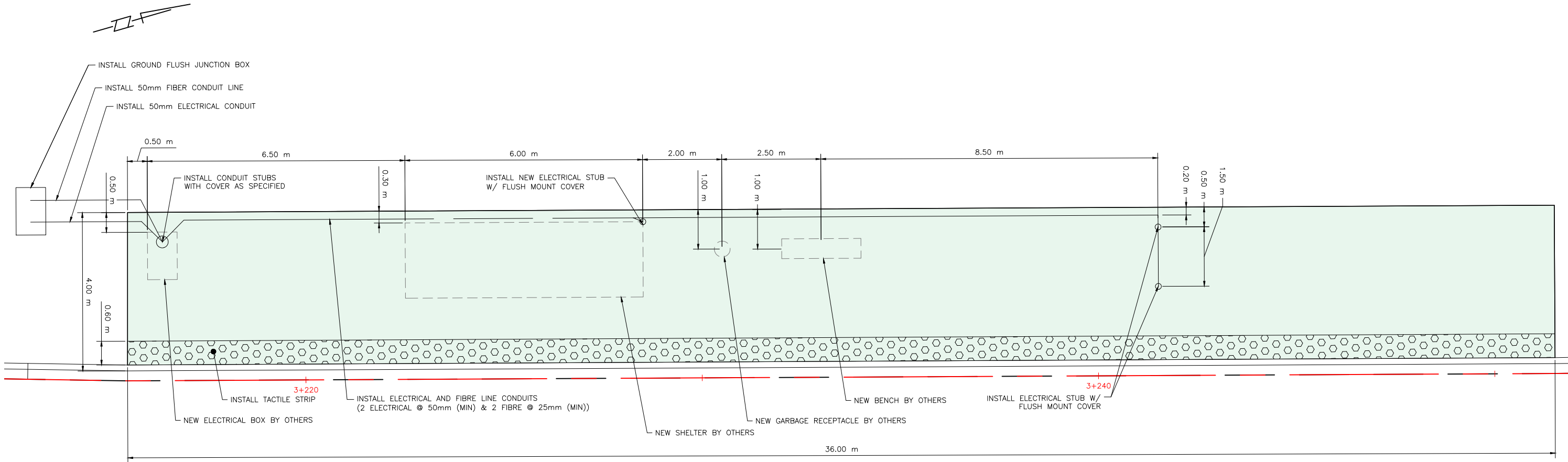
BLUE LINE

HAZEN STREET & WARMAN ROAD

CROSS SECTIONS

ENGINEER	
SCALES:	
HOR. 1:50	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3202

FILE NAME: Z0012044-TR-3200-CONTRACT_3-STATION_51.DWG PLOT: July 22, 2024 9:25 AM BY: REBECCA GALBRAITH



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-29	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY	DATE



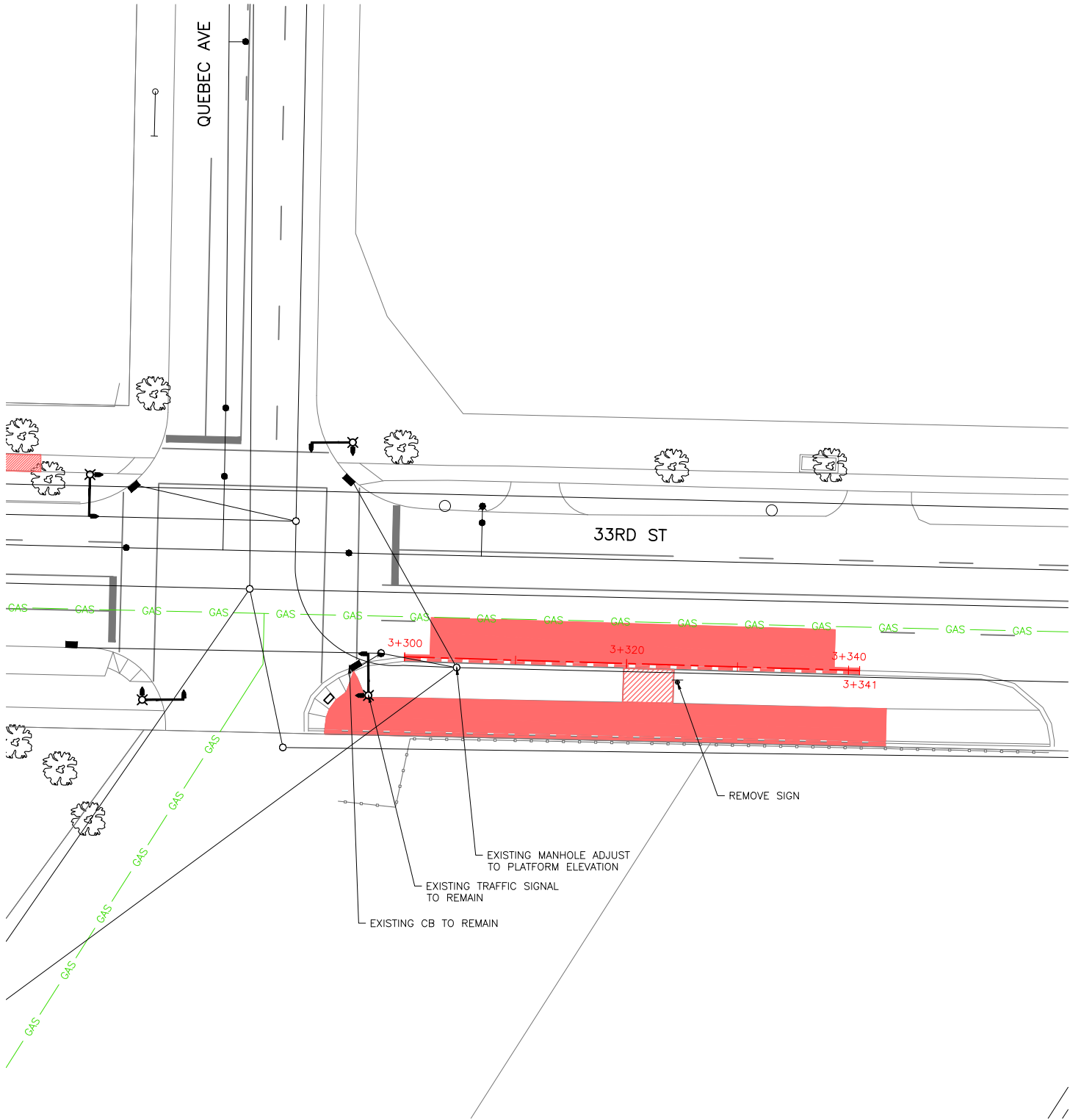
BUS RAPID TRANSIT SYSTEM
STATION 51
BLUE LINE
HAZEN STREET & WARMAN ROAD
PLATFORM DETAILS

ENGINEER	
SCALES : HOR. 1:100 VERT. _____	DATE _____
SHEET NO. _____	PLAN NO. Z0012044-TR-3203

FILE NAME: Z0012044-TR-3300-CONTRACT_3-STATION_54.DWG PLOT: July 22, 2024 10:42 AM BY: REBECCA GALBRAITH

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- REMOVE CURB
-



CIMA+

ENGINEER	
SCALES : HOR. 1:500 VERT.	DATE
SHEET NO. —	PLAN NO. Z0012044-TR-3300

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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY	DATE



BUS RAPID TRANSIT SYSTEM
STATION 54
BLUE LINE
33RD STREET & QUEBEC AVENUE
REMOVALS PLAN

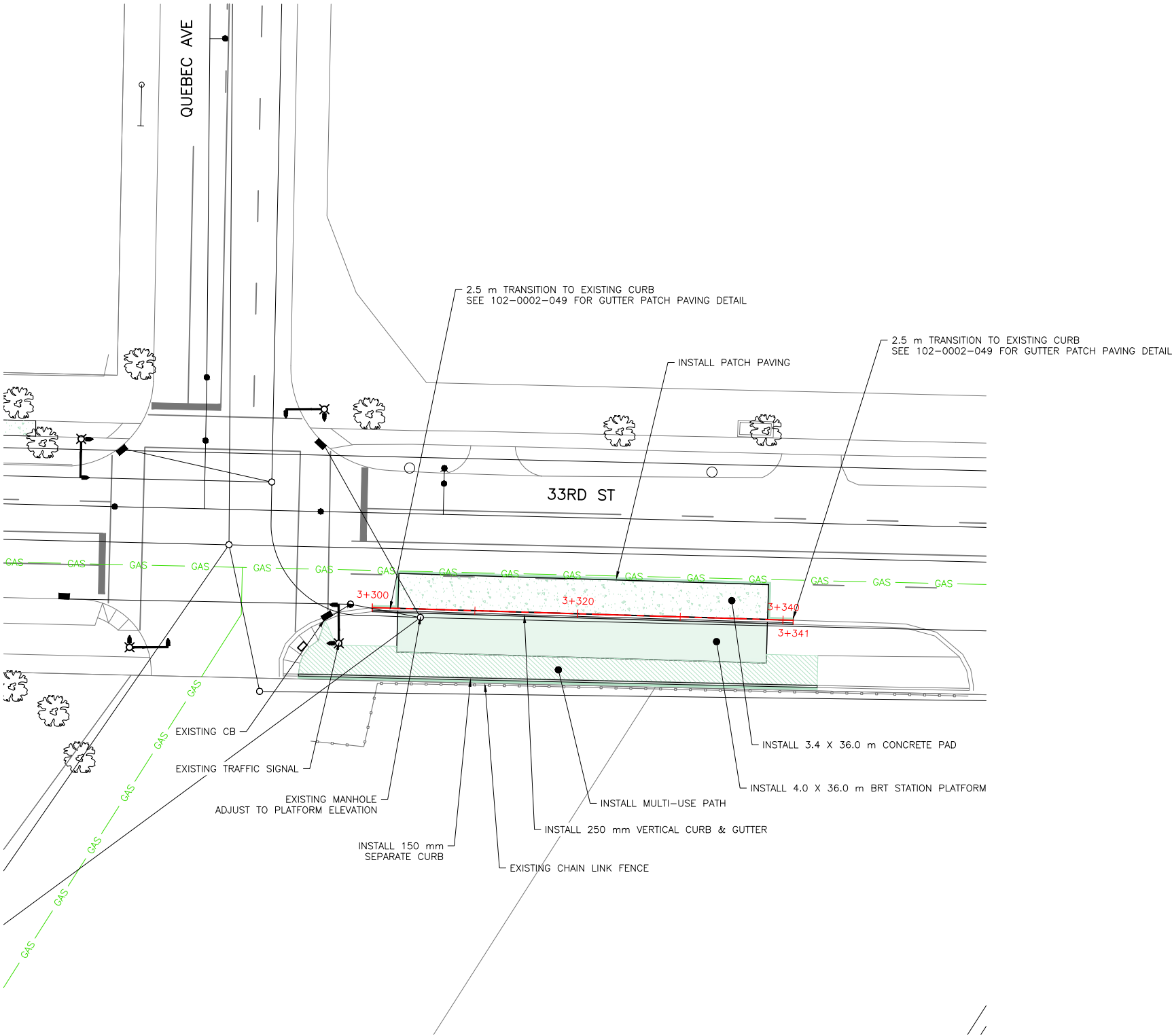
LEGEND:

- ASPHALT INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- MULTI-USE PATH
- DAYLIGHT - CUT
- DAYLIGHT - FILL



NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STATION 54

BLUE LINE

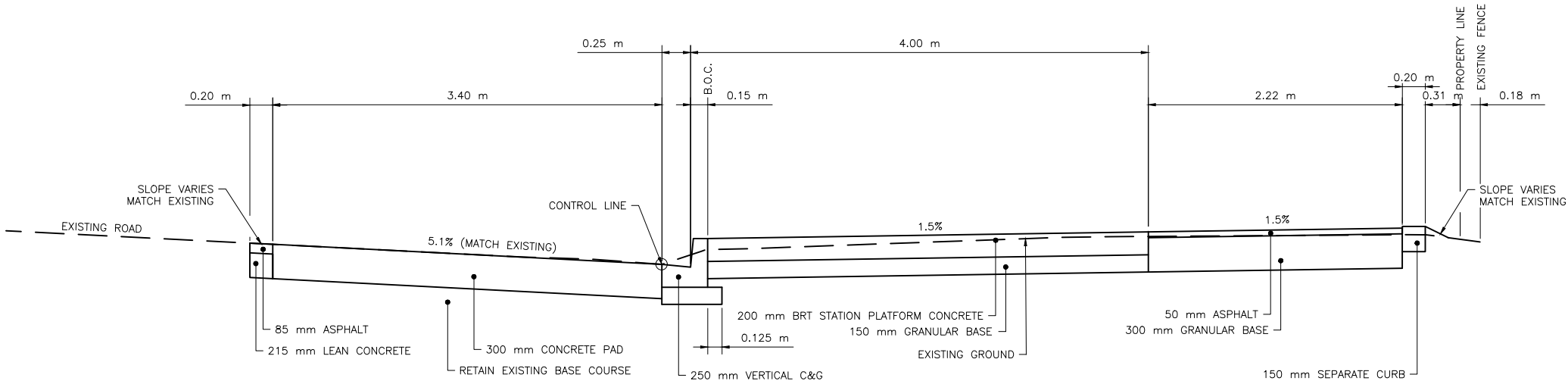
33RD STREET & QUEBEC AVENUE

INSTALLATION PLAN

ENGINEER	
SCALES :	
HOR. 1:500	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3301

FILE NAME: Z0012044-TR-3300-CONTRACT_3-STATION_54.DWG PLOT: July 22, 2024 10:43 AM BY: REBECCA GALBRAITH

- NOTES:
1. SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
- FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - SEPARATE DROPPED CURB CROSSING - 102-0002-003
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - 3000 MULTI-USE PATHWAY - 102-0002-055
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074



TYPICAL CROSS SECTION
STA 3+320



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

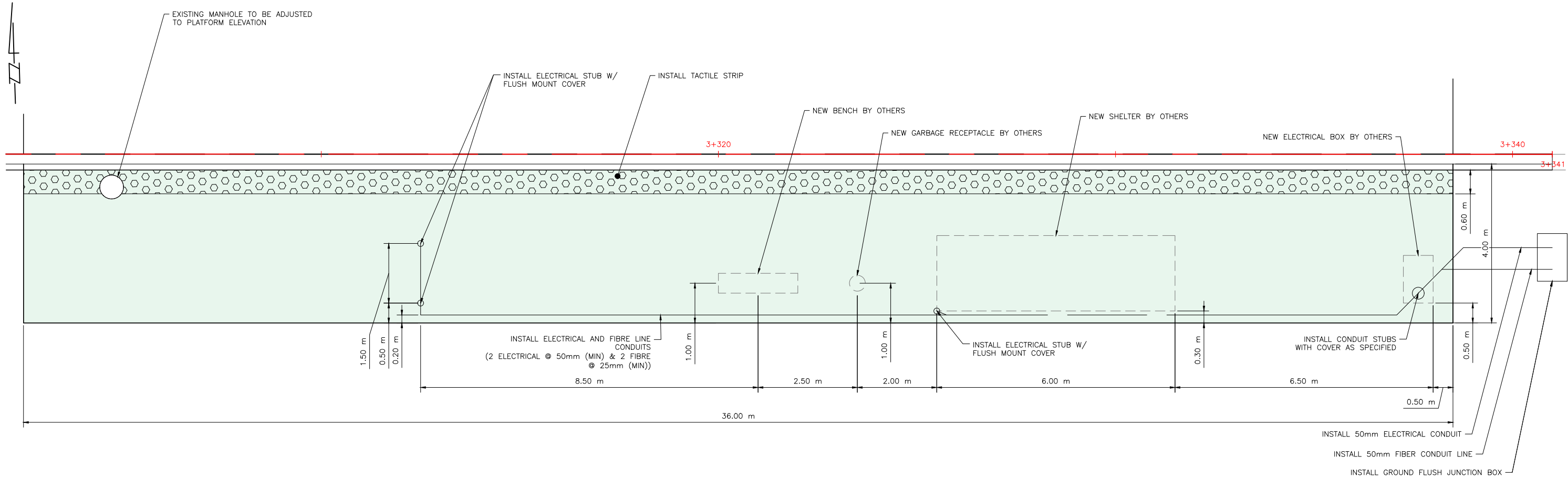
CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STATION 54
BLUE LINE
33RD STREET & QUEBEC AVENUE
CROSS SECTIONS

ENGINEER	
SCALES :	
HOR. 1:50	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3302

FILE NAME: Z0012044-TR-3300-CONTRACT_3-STATION_54.DWG PLOT: July 22, 2024 10:43 AM BY: REBECCA GALBRAITH



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY	DATE



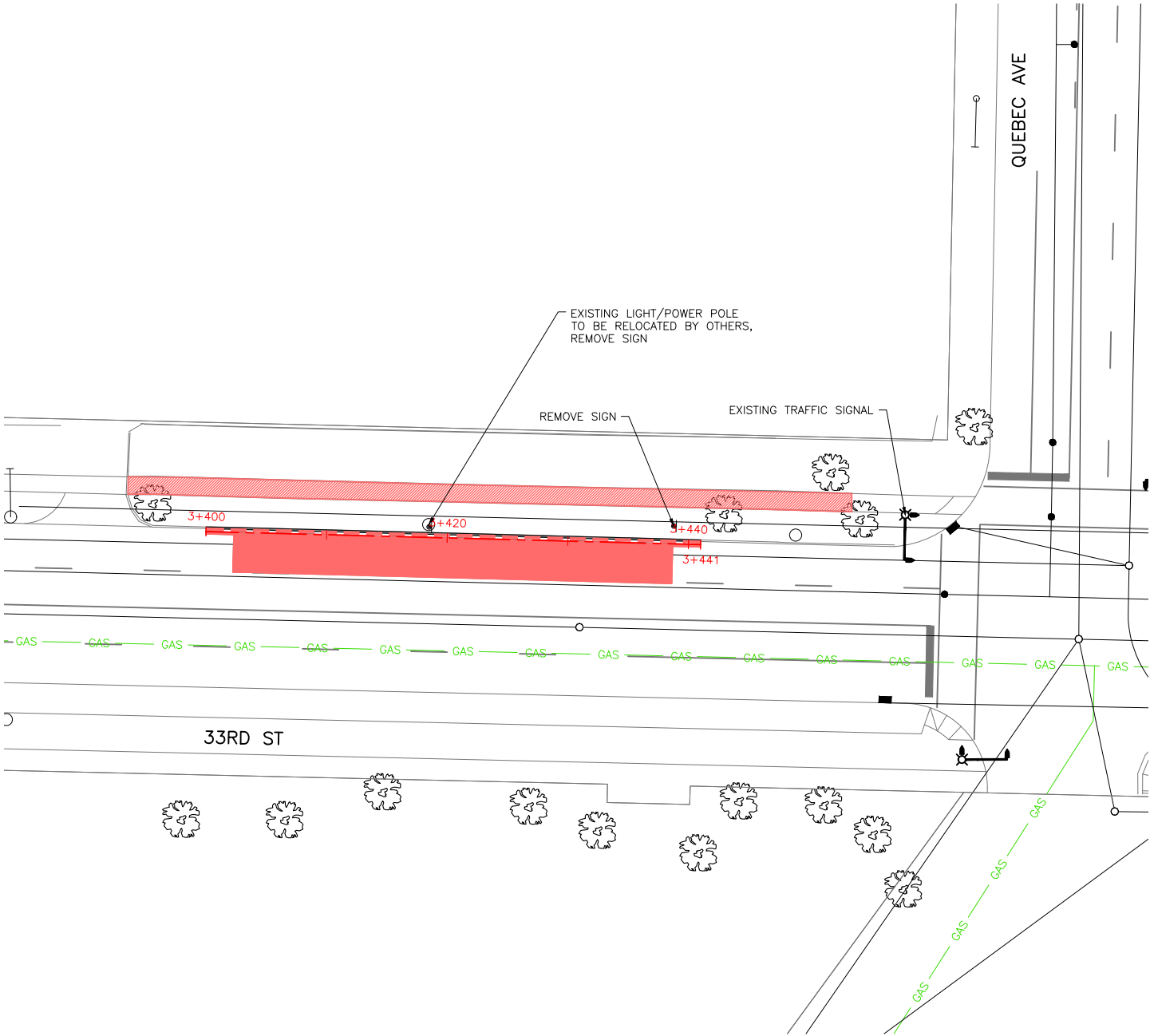
BUS RAPID TRANSIT SYSTEM
STATION 54
BLUE LINE
33RD STREET & QUEBEC AVENUE
PLATFORM DETAILS

ENGINEER	
SCALES : 1:100	DATE
SHEET NO.	PLAN NO.
-	Z0012044-TR-3303

FILE NAME: Z0012044-TR-3400-CONTRACT_3-STATION_55.DWG PLOT: July 22, 2024 10:45 AM BY: REBECCA GALBRAITH

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- REMOVE CURB



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-30	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STATION 55
BLUE LINE
33RD STREET & QUEBEC AVENUE
REMOVALS PLAN

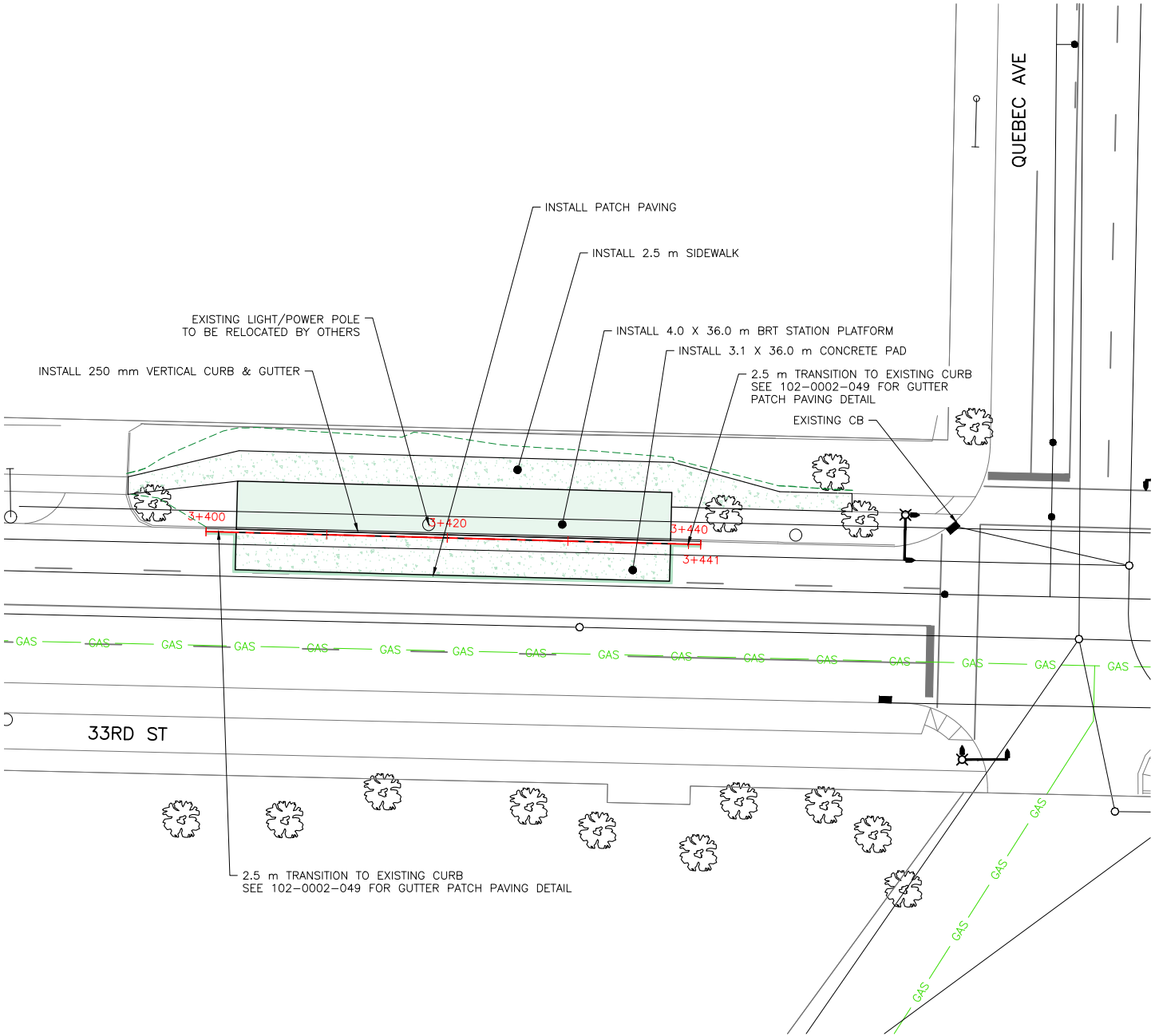
ENGINEER	
SCALES : HOR. 1:500 VERT.	DATE
SHEET NO. —	PLAN NO. Z0012044-TR-3400

LEGEND:

- ASPHALT INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- DAYLIGHT - CUT
- DAYLIGHT - FILL

NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-30	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STATION 55

BLUE LINE

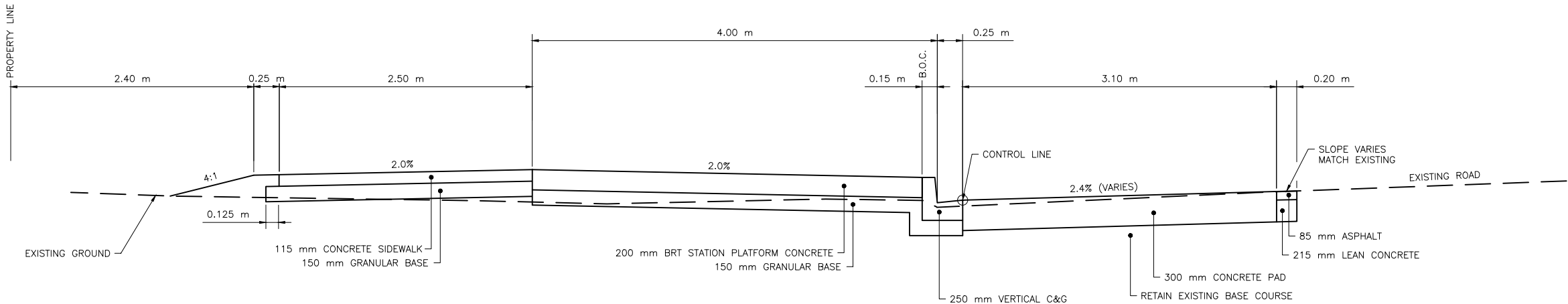
33RD STREET & QUEBEC AVENUE

INSTALLATION PLAN

ENGINEER	
SCALES :	
HOR. 1:500	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3401

FILE NAME: Z0012044-TR-3400-CONTRACT_3-STATION_55.DWG PLOT: July 22, 2024 10:45 AM BY: REBECCA GALBRAITH

- NOTES:
- SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
 - FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - GRADE CONSTRUCTION FOR SIDEWALK, CURB & GUTTER - 102-0002-019
 - GRADE CONSTRUCTION FOR WALKWAY & SEPARATE SIDEWALK - 102-0002-020
 - CONTROL JOINTS - 102-0002-021
 - DOWEL/CONTROL JOIN LOCATION AND SPACING - 102-0002-022
 - TYPICAL TRANSITION, COMBINED SIDEWALK & CURB - 102-0002-028
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074
 - SIDESLOPE TO BE STEEPENED TO 3:1 WHERE RESTRICTED BY RIGHT-OF-WAY



TYPICAL CROSS SECTION
STA 3+425



CIMA+

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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-30	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

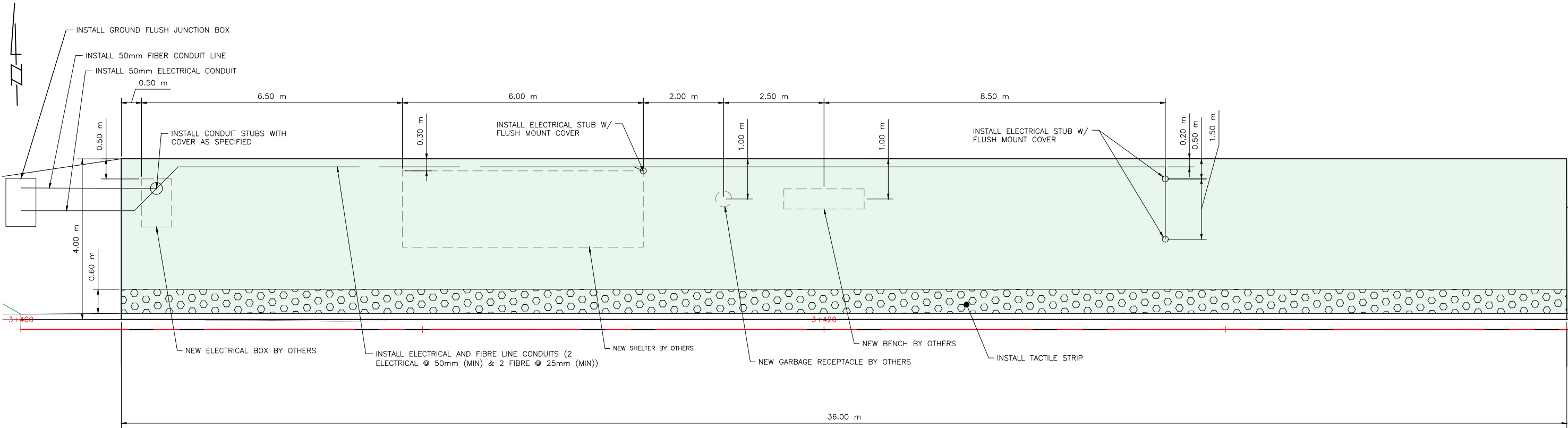
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BUS RAPID TRANSIT SYSTEM
STATION 55
BLUE LINE
33RD STREET & QUEBEC AVENUE
CROSS SECTIONS

ENGINEER	
SCALES : HOR. 1:50 VERT. _____	DATE _____
SHEET NO. -	PLAN NO. Z0012044-TR-3402

FILE NAME: Z0012044-TR-3400-CONTRACT_3-STATION_55.DWG PLOT: July 22, 2024 10:45 AM BY: REBECCA GALBRAITH



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4	ISSUED FOR TENDER	2024-07-22	CIMA+
3	ISSUED FOR REVIEW	2024-07-12	CIMA+
2	ISSUED FOR REVIEW	2024-06-17	CIMA+
1	ISSUED FOR REVIEW	2024-05-30	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
DRAWN BY	DATE



BUS RAPID TRANSIT SYSTEM
STATION 55
BLUE LINE
33RD STREET & QUEBEC AVENUE
PLATFORM DETAILS

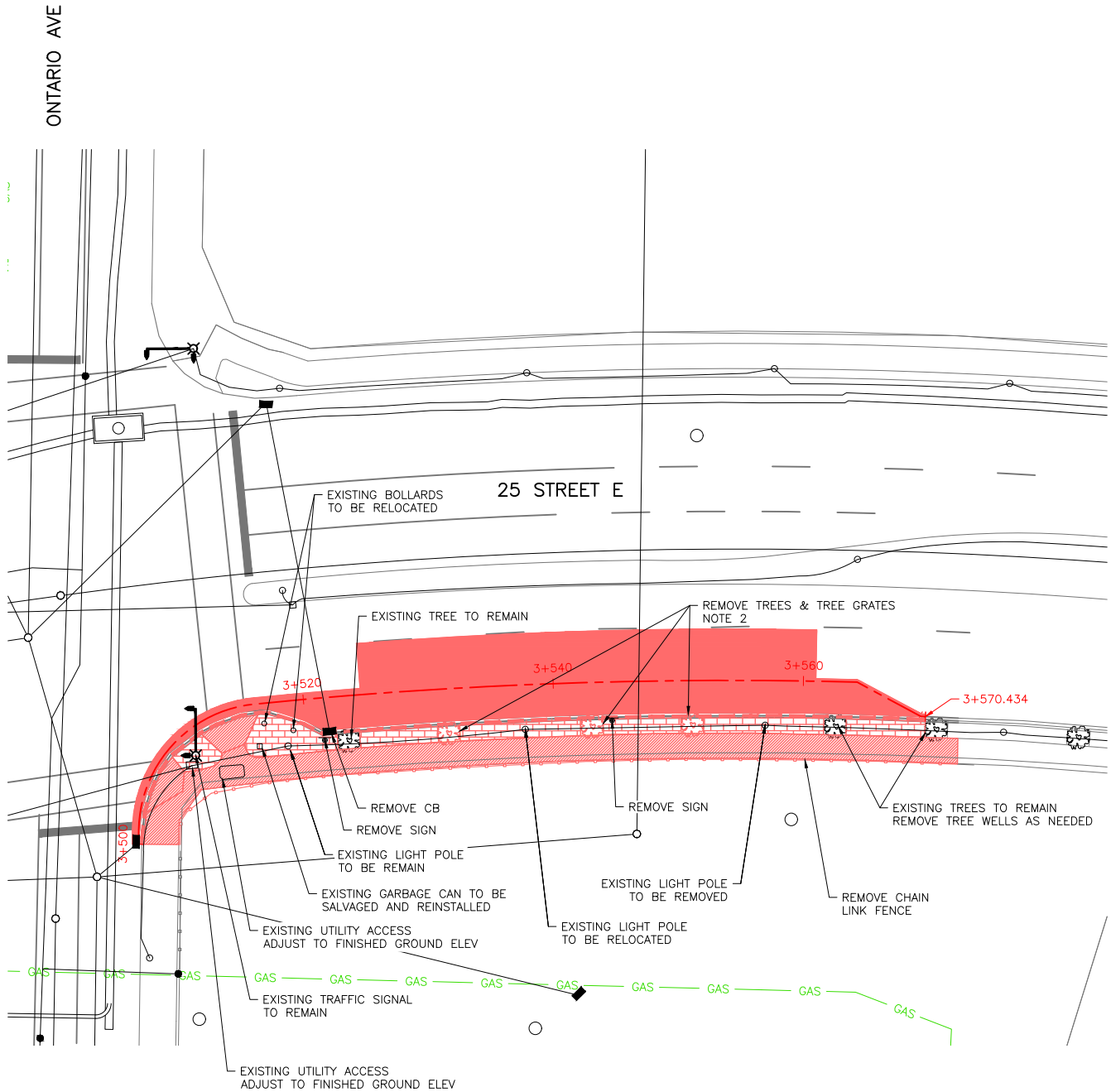
ENGINEER	
SCALES : HOR. 1:100 VERT. _____	DATE _____
SHEET NO. -	PLAN NO. Z0012044-TR-3403

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- PAVER REMOVAL
- REMOVE CURB

NOTES:

- EXISTING SITE IRRIGATION TO BE REMOVED AND RE-INSTALLED AS NEEDED
- REMOVE TREE WELLS AS NEEDED
- TREE GRATES TO BE SALVAGED AND RETURNED TO CITY



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STATION 60
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
REMOVALS PLAN

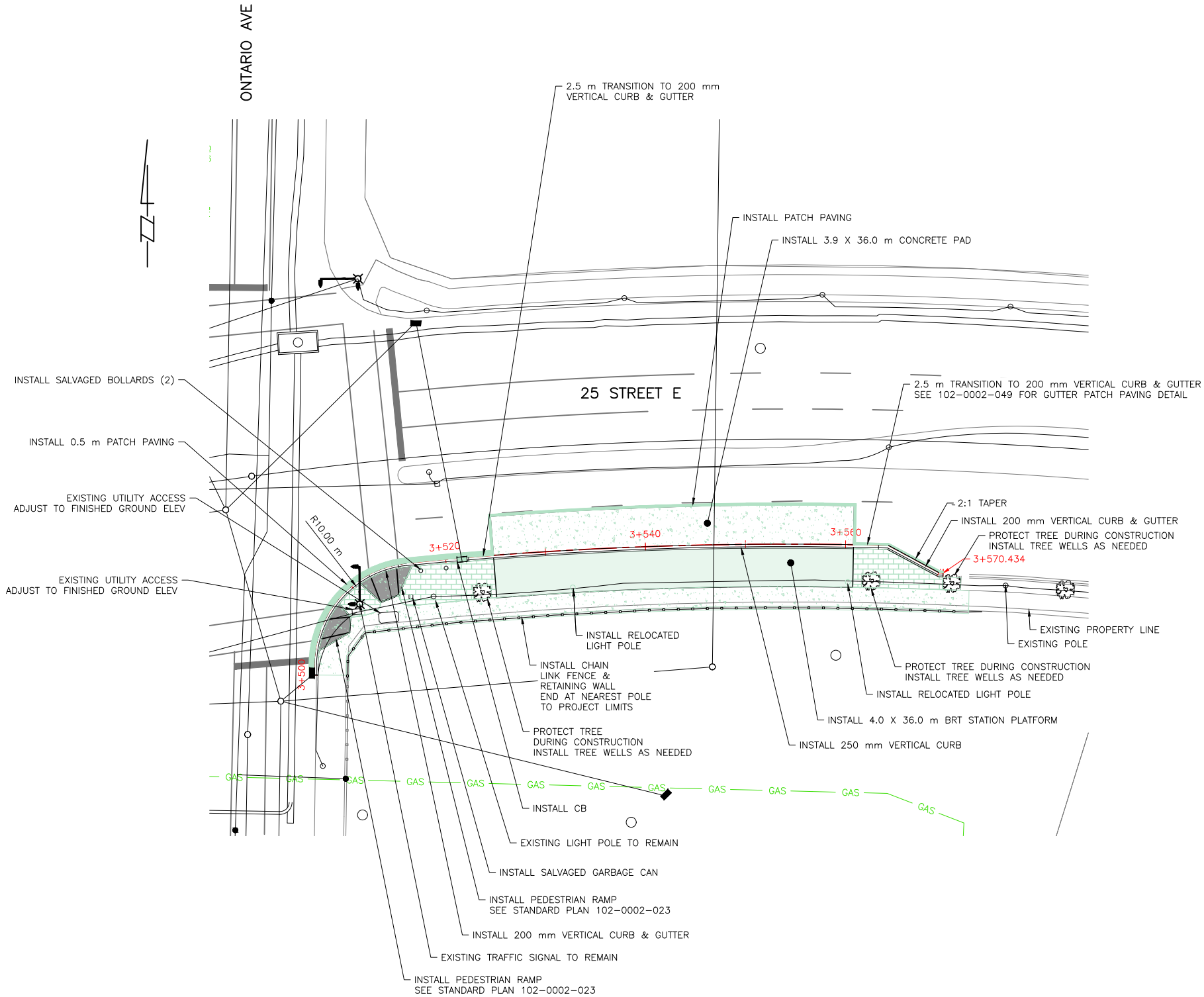
ENGINEER	
SCALES : HOR. 1:500 VERT. DATE	
SHEET NO. PLAN NO.	
-	Z0012044-TR-3500

LEGEND:

- ASPHALT INSTALLATION
- FULL PAVEMENT STRUCTURE INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- PAVER INSTALLATION
- PEDESTRIAN RAMP INSTALLATION
- DAYLIGHT - CUT
- DAYLIGHT - FILL

NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%
3. EXISTING SITE IRRIGATION TO BE REMOVED AND RE-INSTALLED AS NEEDED.



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

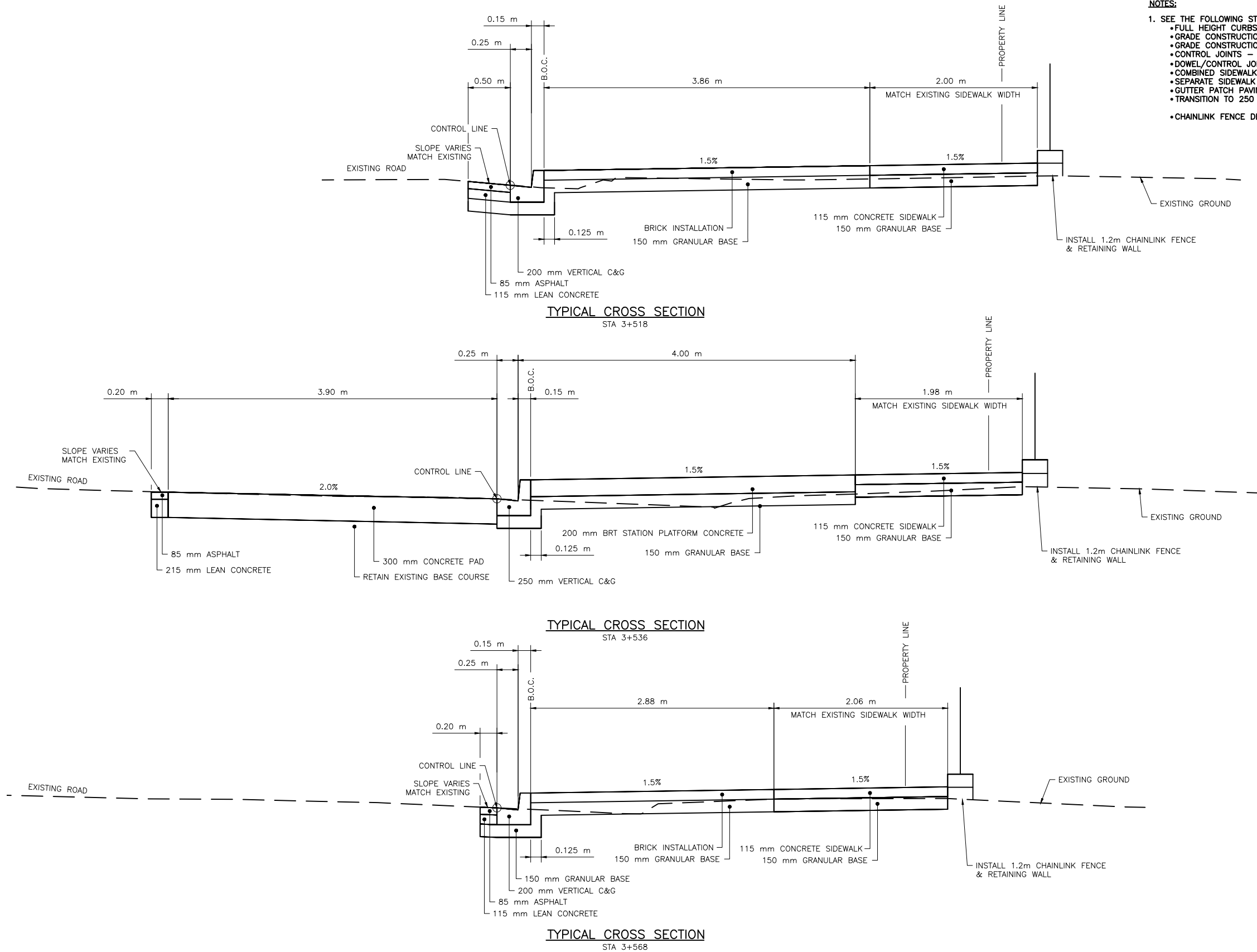
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BUS RAPID TRANSIT SYSTEM
STATION 60
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
INSTALLATION PLAN

ENGINEER	
SCALES :	
HOR. 1:500	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3501

FILE NAME: Z0012044-TR-3500-CONTRACT_3-STATION_60.DWG PLOT: July 22, 2024 10:52 AM BY: REBECCA GALBRAITH



- NOTES:**
- SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
 - FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - GRADE CONSTRUCTION FOR WALKWAY & SEPARATE SIDEWALK - 102-0002-020
 - CONTROL JOINTS - 102-0002-021
 - DOWEL/CONTROL JOINT LOCATION AND SPACING - 102-0002-022
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074
 - CHAINLINK FENCE DETAILS - 102-0004-0002, 102-0004-005, 102-0004-006



CIMA+

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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
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BUS RAPID TRANSIT SYSTEM

STATION 60

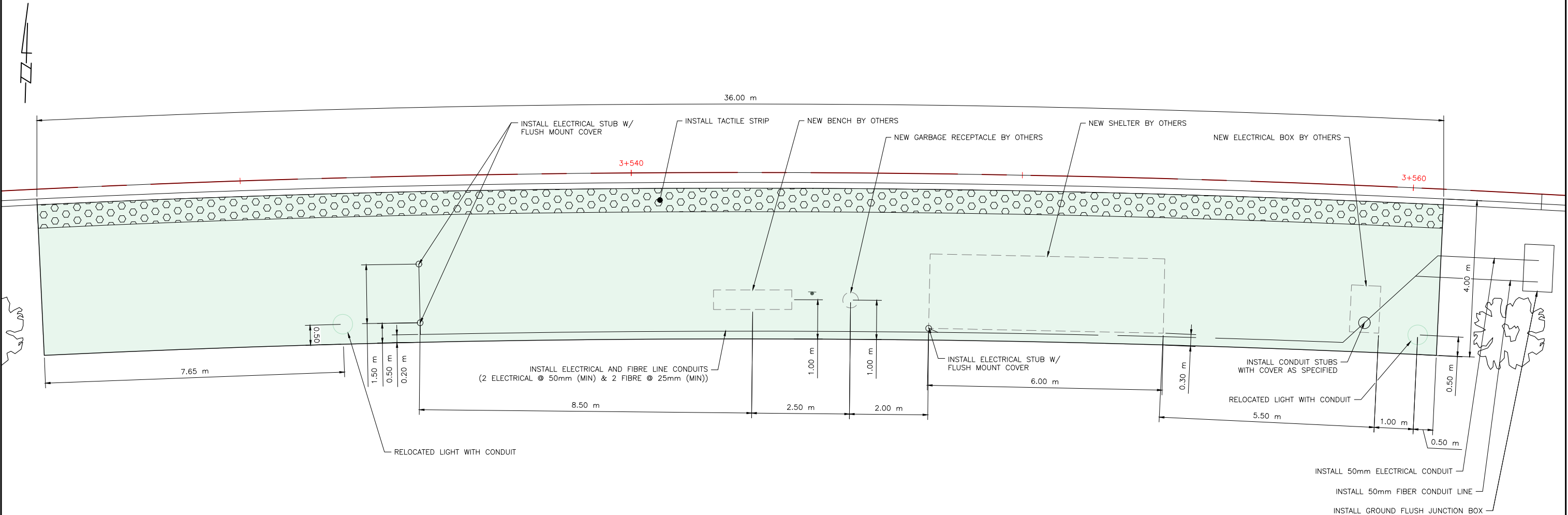
BLUE LINE

25 STREET EAST & ONTARIO AVENUE

CROSS SECTIONS

ENGINEER	
SCALES :	
HOR. 1:50	DATE
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SHEET NO.	PLAN NO.
-	Z0012044-TR-3502

FILE NAME: Z0012044-TR-3500-CONTRACT_3-STATION_60.DWG PLOT: July 22, 2024 10:52 AM BY: REBECCA GALBRAITH



Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION
CIMA CANADA
Number C1396

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
TRANSPORTATION	13420	



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
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BUS RAPID TRANSIT SYSTEM

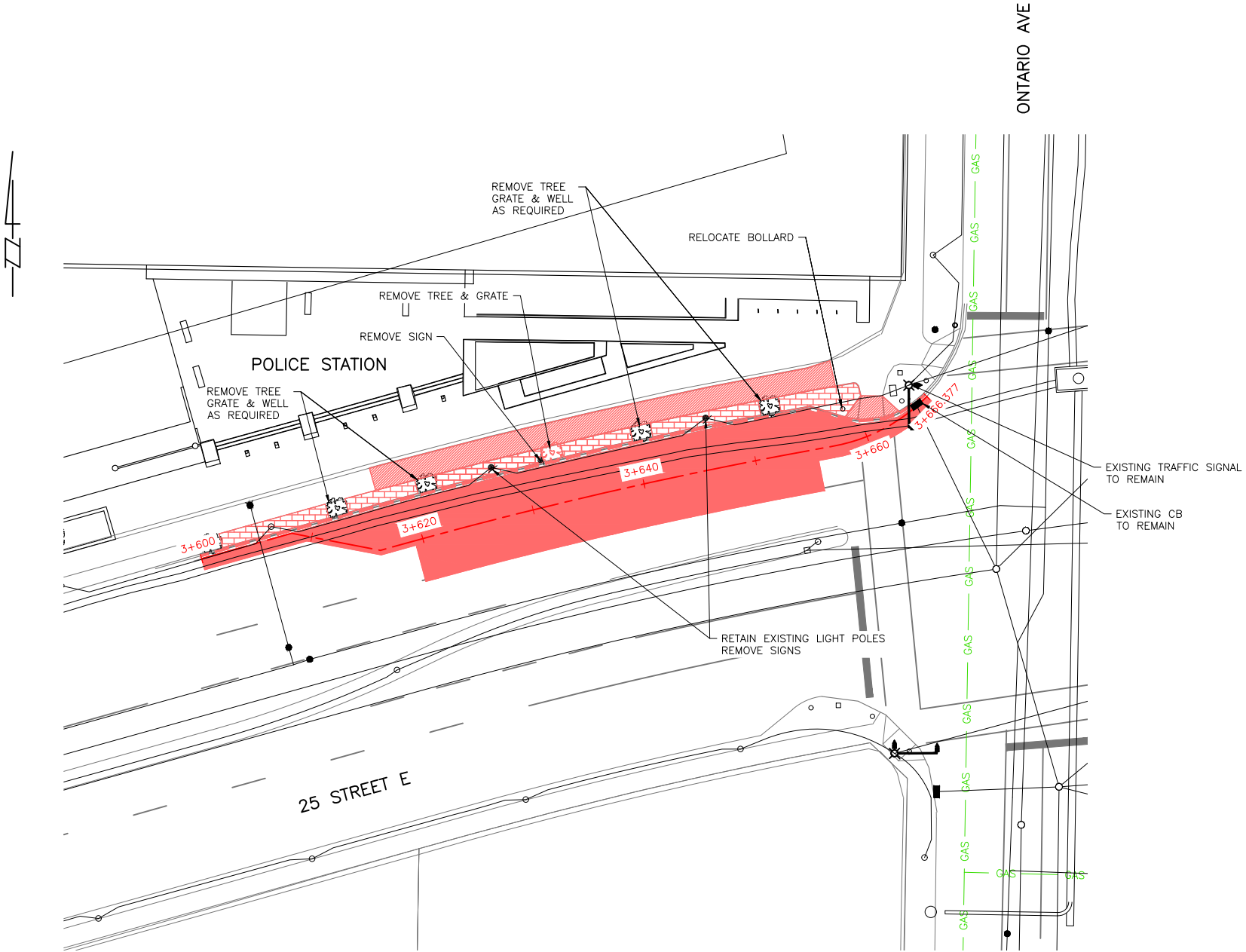
STATION 60
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
PLATFORM DETAILS

ENGINEER	
SCALES : HOR. 1:100 VERT.	DATE
SHEET NO. -	PLAN NO. Z0012044-TR-3503

FILE NAME: Z0012044-TR-3600-CONTRACT_3-STATION_61.DWG PLOT: July 22, 2024 10:57 AM BY: REBECCA GALBRAITH

LEGEND:

- ASPHALT REMOVAL
- CONCRETE REMOVAL
- BRICK REMOVAL
- REMOVE CURB



CIMA+

ENGINEER	
SCALES : HOR. 1:500 VERT.	DATE
SHEET NO. —	PLAN NO. Z0012044-TR-3600

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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
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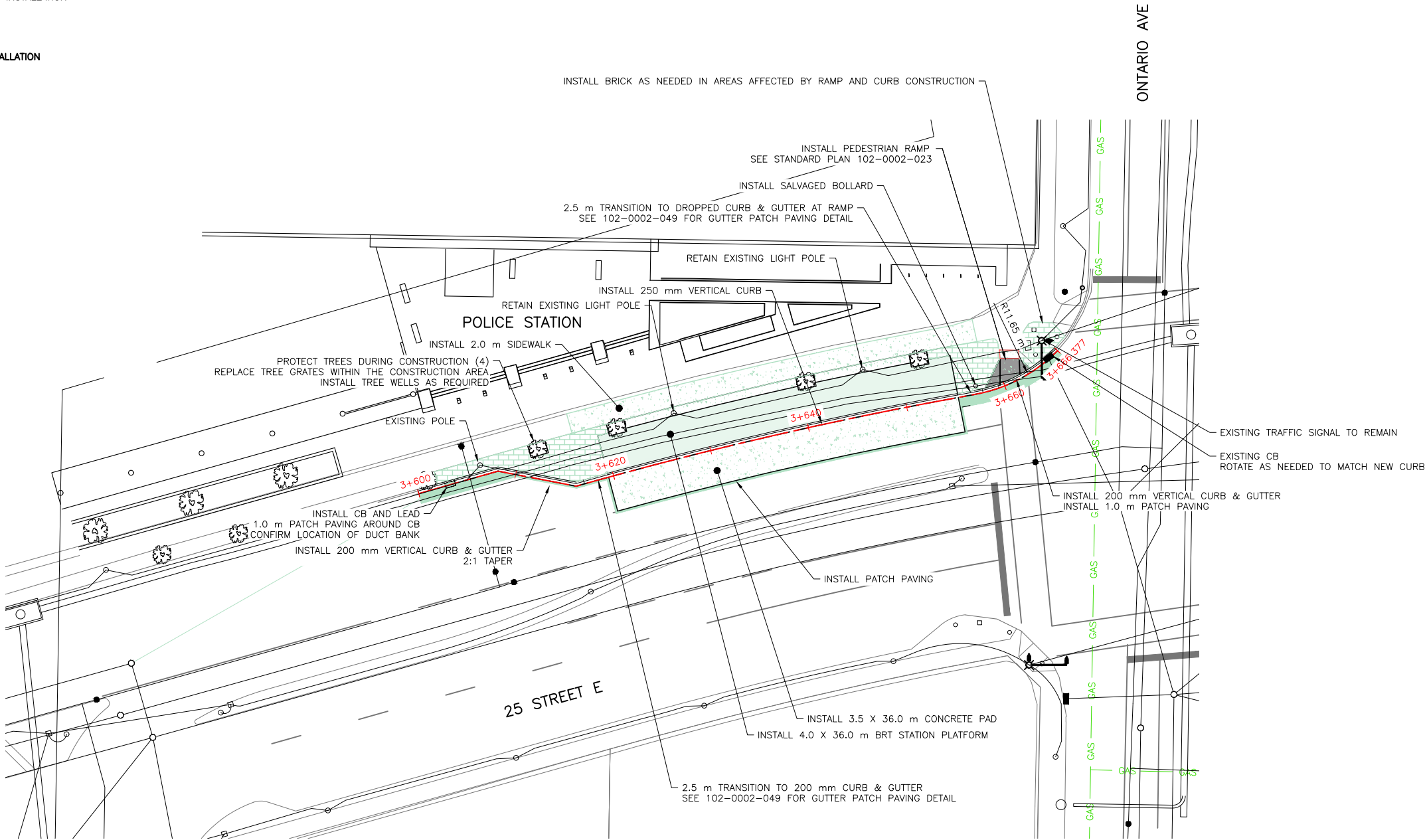
BUS RAPID TRANSIT SYSTEM
STATION 61
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
REMOVALS PLAN

LEGEND:

- ASPHALT INSTALLATION
- FULL PAVEMENT STRUCTURE INSTALLATION
- CONCRETE INSTALLATION
- BRT STATION PLATFORM INSTALLATION
- BRICK INSTALLATION
- PEDESTRIAN RAMP INSTALLATION
- DAYLIGHT - CUT
- DAYLIGHT - FILL

NOTES:

1. CONTRACTOR TO MATCH EXISTING INFRASTRUCTURE AT TIE IN POINTS.
2. SIDEWALK LONGITUDINAL GRADE TO MATCH EXISTING, MAX SLOPE 3.0%



FILE NAME: Z0012044-TR-3600-CONTRACT_3-STATION_61.DWG PLOT: July 22, 2024 10:57 AM BY: REBECCA GALBRAITH

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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
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BUS RAPID TRANSIT SYSTEM

STATION 61

BLUE LINE

25 STREET EAST & ONTARIO AVENUE

INSTALLATION PLAN



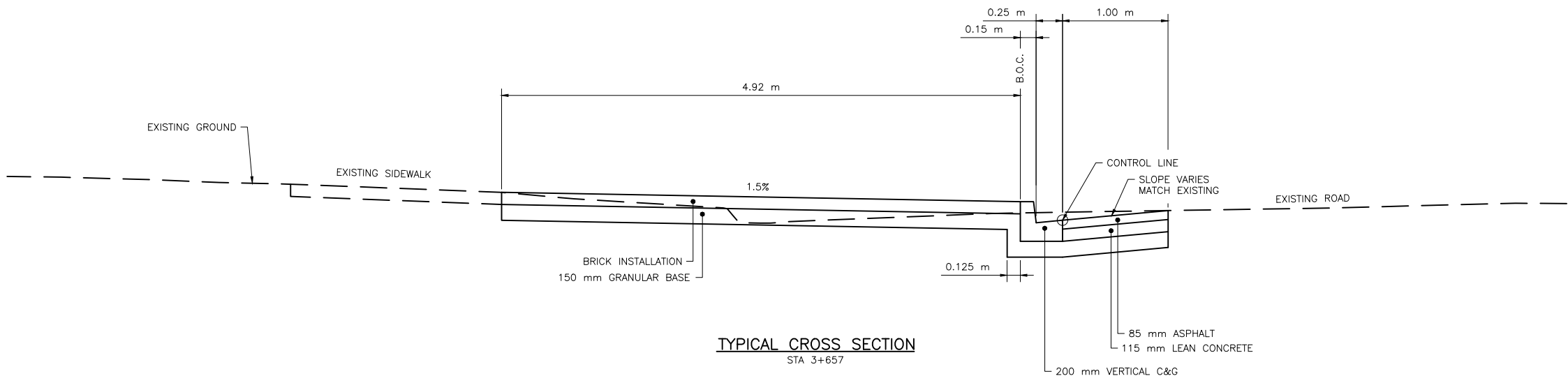
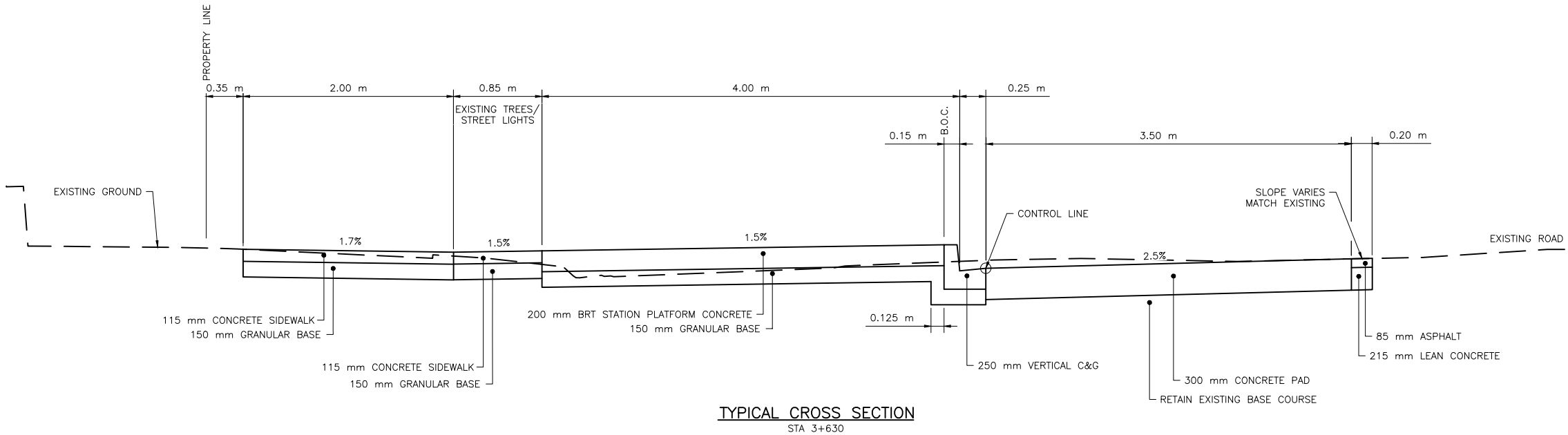
CIMA+

ENGINEER	
SCALES :	
HOR. 1:500	DATE
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SHEET NO.	PLAN NO.
-	Z0012044-TR-3601

FILE NAME: Z0012044-TR-3600-CONTRACT_3-STATION_61.DWG PLOT: July 22, 2024 10:57 AM BY: REBECCA GALBRAITH

NOTES:

1. SEE THE FOLLOWING STANDARD PLANS FOR FURTHER DETAILS:
- FULL HEIGHT CURBS WITH GUTTER - 102-0002-001
 - GRADE CONSTRUCTION FOR CURB & GUTTER - 102-0002-018
 - GRADE CONSTRUCTION FOR WALKWAY & SEPARATE SIDEWALK - 102-0002-020
 - CONTROL JOINTS - 102-0002-021
 - DOWEL/CONTROL JOINT LOCATION AND SPACING - 102-0002-022
 - COMBINED SIDEWALK, VERTICAL CURB & GUTTER - 102-0002-029
 - SEPARATE SIDEWALK - 102-0002-031
 - GUTTER PATCH PAVING - 102-0002-049
 - TRANSITION TO 250 mm VERTICAL CURB - 102-0002-074



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

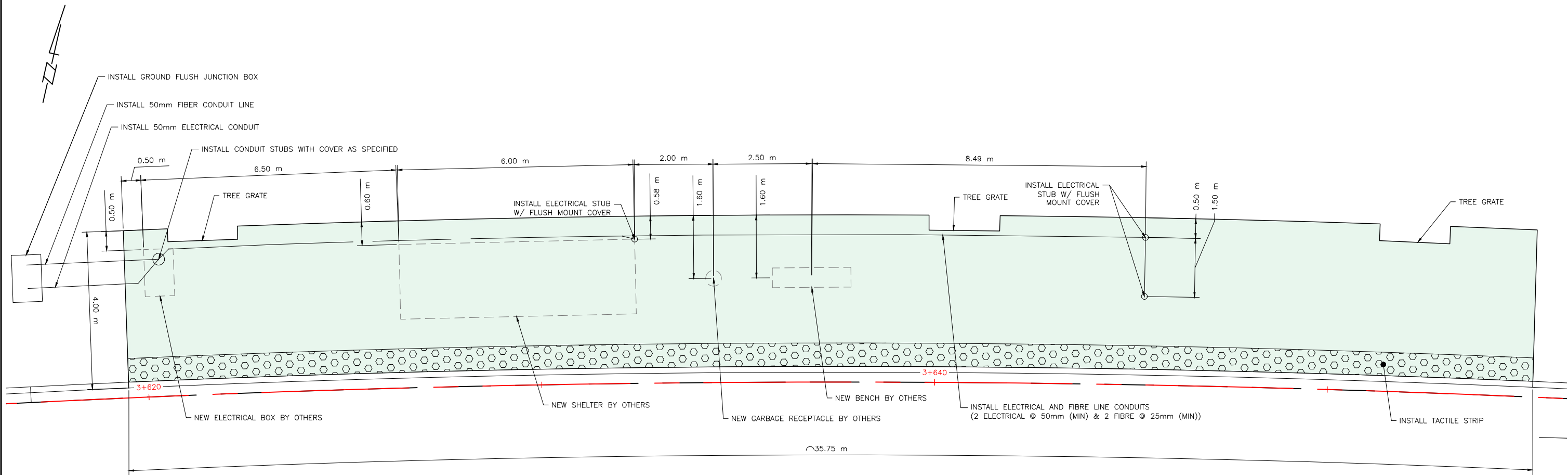
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BUS RAPID TRANSIT SYSTEM
STATION 61
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
CROSS SECTIONS

ENGINEER	
SCALES :	
HOR. 1:50	DATE
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3602

FILE NAME: Z0012044-TR-3600-CONTRACT_3-STATION_61.DWG PLOT: July 22, 2024 10:57 AM BY: REBECCA GALBRAITH



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-17	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
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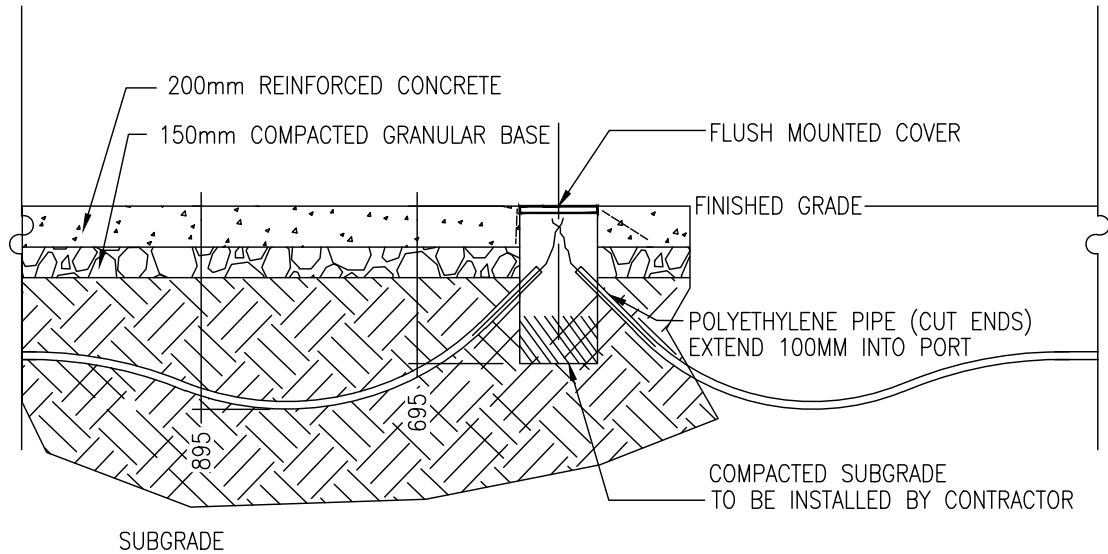


BUS RAPID TRANSIT SYSTEM

STATION 61
BLUE LINE
25 STREET EAST & ONTARIO AVENUE
PLATFORM DETAILS

ENGINEER	
SCALES : HOR. 1:100 VERT.	DATE
SHEET NO. -	PLAN NO. Z0012044-TR-3603

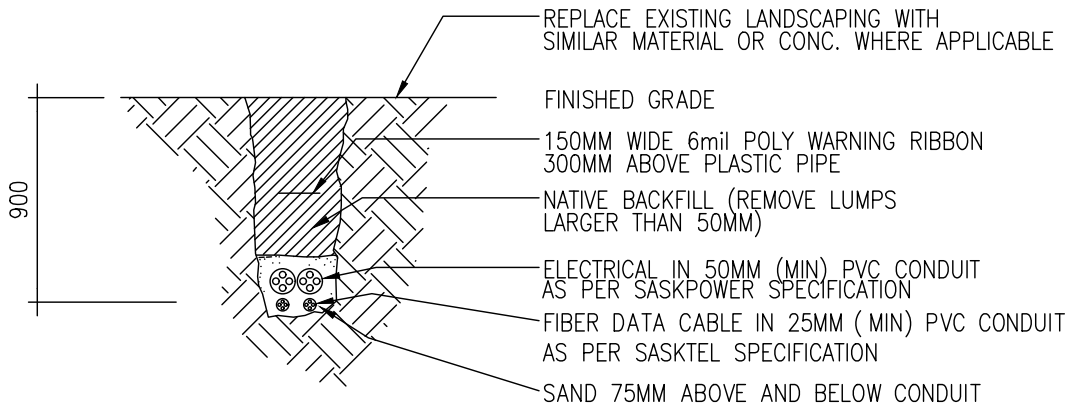
FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:24 AM BY: REBECCA GALBRAITH



- NOTE:
1. EXTEND PULL STRING 300 mm PAST THE END OF THE CONDUIT. PROTECT PULL STRING.
 2. INSTALL FLUSH MOUNT COVER TO PROTECT ELECTRICAL
 3. A GRADUAL INCREASE IN DEPTH REDUCES THE CHANGE OF KINKING

ELECTRICAL END LOCATIONS

SCALE 1: 30



CONDUIT DETAIL

SCALE 1: 30

TRACER WIRE TO BE INSTALLED IN ALL CONDUIT.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES.



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-14	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
DRAWN BY	DATE

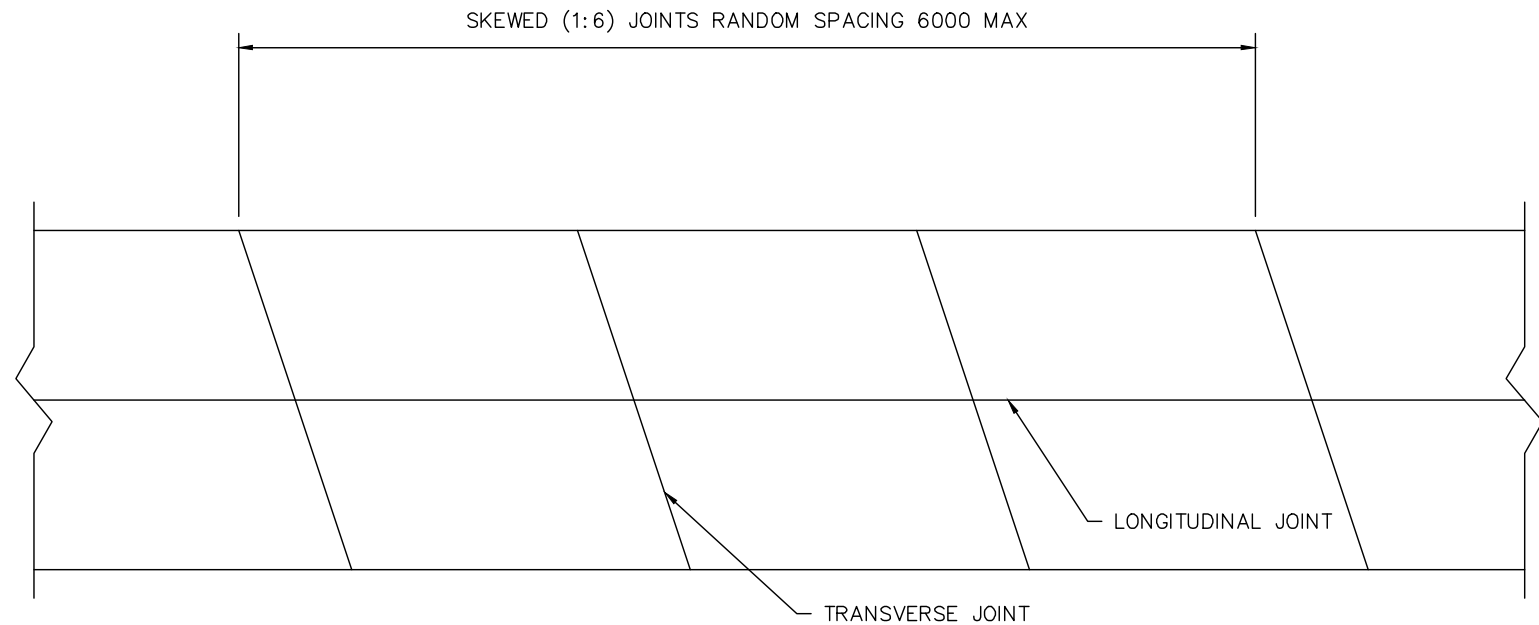


BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS
UNDERGROUND ELECTRICAL CONNECTIONS

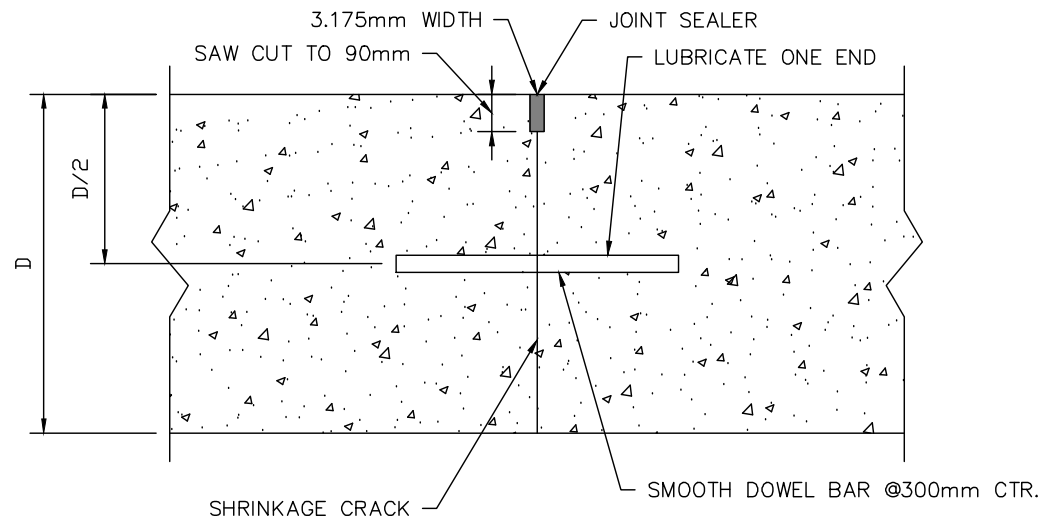
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SHEET NO.	PLAN NO.
-	Z0012044-TR-3700

FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:25 AM BY: REBECCA GALBRAITH



- NOTES:
- ALL CONCRETE USED SHALL BE HS OR HSb CEMENT (SULPHATE RESISTANT) AND IN ACCORDANCE WITH CAN/CSA A23.1-04
 - A MINIMUM 56 DAY COMPRESSIVE STRENGTH OF 35MPa AND A MAXIMUM WATER/CEMENT RATIO OF 0.4 IS REQUIRED
 - AIR ENTREATMENT OF 4 TO 7% AND CONCRETE MADE WITH 14 TO 20mm CONCRETE AGGREGATE IS REQUIRED
 - CONCRETE PAVEMENT TYPICAL JOINT ARRANGEMENT SHOWN IN MILLIMETERS
 - DOWELS 30 TO 40mm IN DIAMETER
 - EPOXY-COATED SMOOTH BARS
 - 0.6m LONG
 - PLACED IN CENTER OF SLAB
 - RANDOM SPACING BETWEEN 4 TO 6 METERS
 - 300mm OC SPACING
 - NEED JOINTS TOOLED AND/OR CUT AT LEAST 90mm DEEP IN CENTER OF THESE DOWELS (FOR 300mm SLAB)
 - HOT POUR SEALANT AFTER (BY OTHERS)
 - LONGITUDINAL JOINTS ARE DESIGNED WITH TIE BARS TO CONNECT THE SLABS, ALL TRANSVERSE JOINTS ARE TO BE DOWELED
 - TRANSVERSE JOINTS SHALL BE HAND TROWELED AFTER PLACEMENT TO A DEPTH OF OF AT LEAST 25mm AND THEN SAW CUT TO A MINIMUM DEPTH OF 90mm AND NO MORE THAN 18 HOURS AFTER PLACMENT

CONCRETE PAVEMENT TYPICAL JOINT ARRANGEMENT



DOWELED TRANSVERSE JOINT



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3	ISSUED FOR TENDER	2024-07-22	CIMA+
2	ISSUED FOR REVIEW	2024-07-12	CIMA+
1	ISSUED FOR REVIEW	2024-06-14	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

SEAL

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DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS
RIGID PAVEMENT TYPICAL JOINT DETAILS

ENGINEER	
SCALES : HOR. NTS VERT.	DATE
SHEET NO. -	PLAN NO. Z0012044-TR-3701

SCALE 1:100




1. CONCRETE SHALL BE EXPOSURE CLASS C-1 IN ACCORDANCE WITH CSA STANDARD A23.1.
2. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 30 MPa.
3. MINIMUM CONCRETE COVER SHALL BE 60mm UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G30 18 GRADE 400W.
5. SEE SPECIFICATIONS FOR ADDITIONAL MATERIAL AND FABRICATION REQUIREMENTS.
6. SEE SITE-SPECIFIC LAYOUT DRAWINGS, SHELTER AND CANOPY DETAILS FOR LOCATION OF FUTURE CONNECTION POINTS.
7. CONNECTION POINTS SHALL BE SURVEYED IN PLACE AND REINFORCEMENT ADJACENT TO CONNECTION POINTS SHALL BE CAREFULLY LOCATED RELATIVE TO THESE POINTS AND IN ACCORDANCE WITH THE DETAILS SHOWN.
8. PROVIDE A DIRECT MEANS OF VISUALLY LOCATING EACH CONNECTION POINT AFTER COMPLETION OF THE SLAB, THROUGH PROJECTING A NON-CORROSIVE MARKER THROUGH THE SURFACE AT EACH CONNECTION POINT OR BY ANOTHER APPROVED METHOD. SUBMIT DETAILS OF THE PROPOSED METHOD FOR REVIEW AT LEAST 5 WORKING DAYS PRIOR TO THE FIRST SLAB POUR.
9. LOCATE CONSTRUCTION JOINTS SYMMETRICALLY AND CENTERED BETWEEN SHELTER AND CANOPY SUPPORTS.

Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION
CIMA CANADA
Number C1396

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
TRANSPORTATION	13420	



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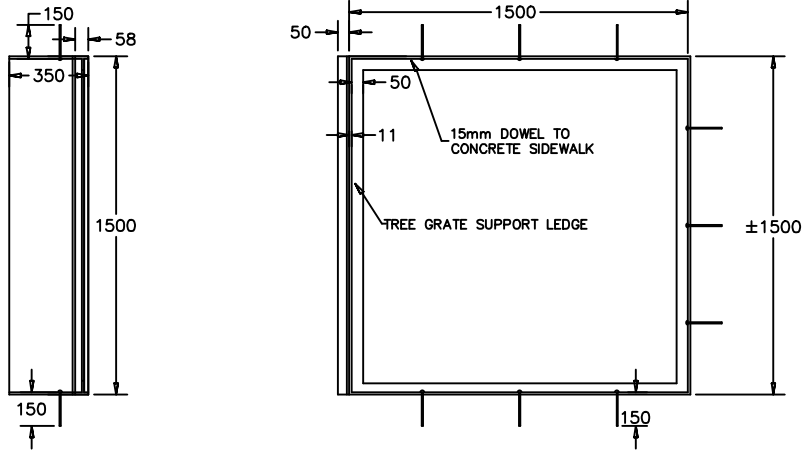


STANDARD DETAILS

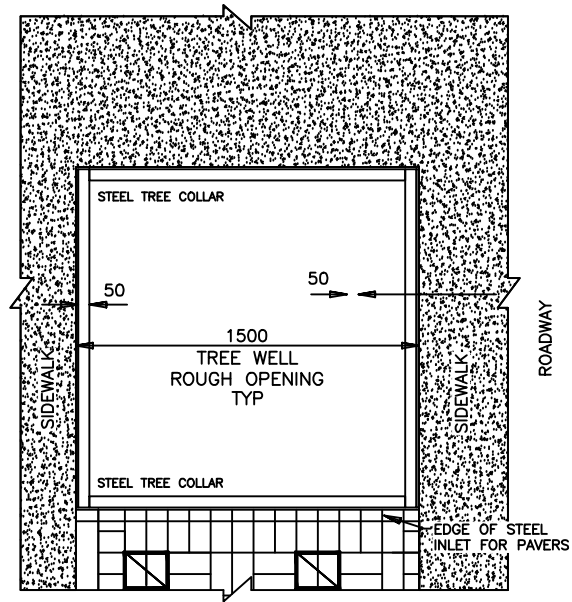
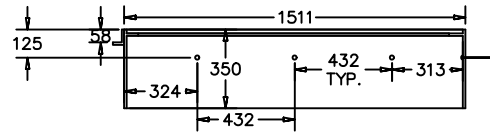
PLATFORM STRUCTURAL DETAILS

ENGINEER	
SCALES : HOR. <u>NTS</u> VERT. _____	_____ DATE _____
SHEET NO. —	PLAN NO. <div style="font-size: 1.5em; font-weight: bold;">Z0012044-TR-370</div>

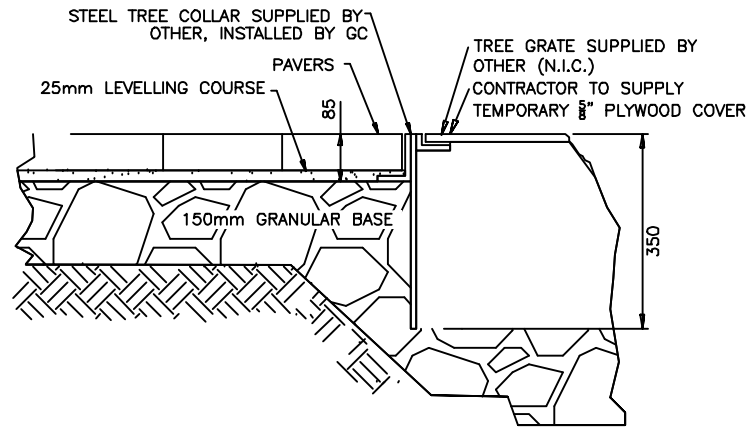
FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:26 AM BY: REBECCA GALBRAITH



TREE COLLAR DETAIL



TREE COLLAR PAVERS CONNECTION DETAIL



TREE COLLAR PAVERS CONNECTION DETAIL

THE CONTRACTOR IS TO TIE INTO AND MATCH ADJACENT PAVING STONE PATTERNS FOR NEW PAVING STONE INSTALLATION AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES.



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2	ISSUED FOR TENDER	2024-07-22	CIMA+	
1	ISSUED FOR REVIEW	2024-07-12	CIMA+	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

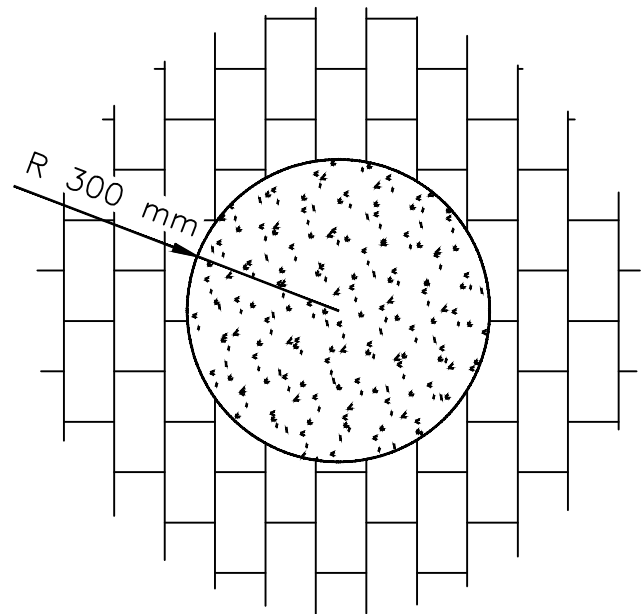
STANDARD DETAILS
TREE COLLAR/PAVING STONE DETAILS

ENGINEER	
SCALES : HOR. NTS VERT. DATE	
SHEET NO. -	PLAN NO. Z0012044-TR-3703

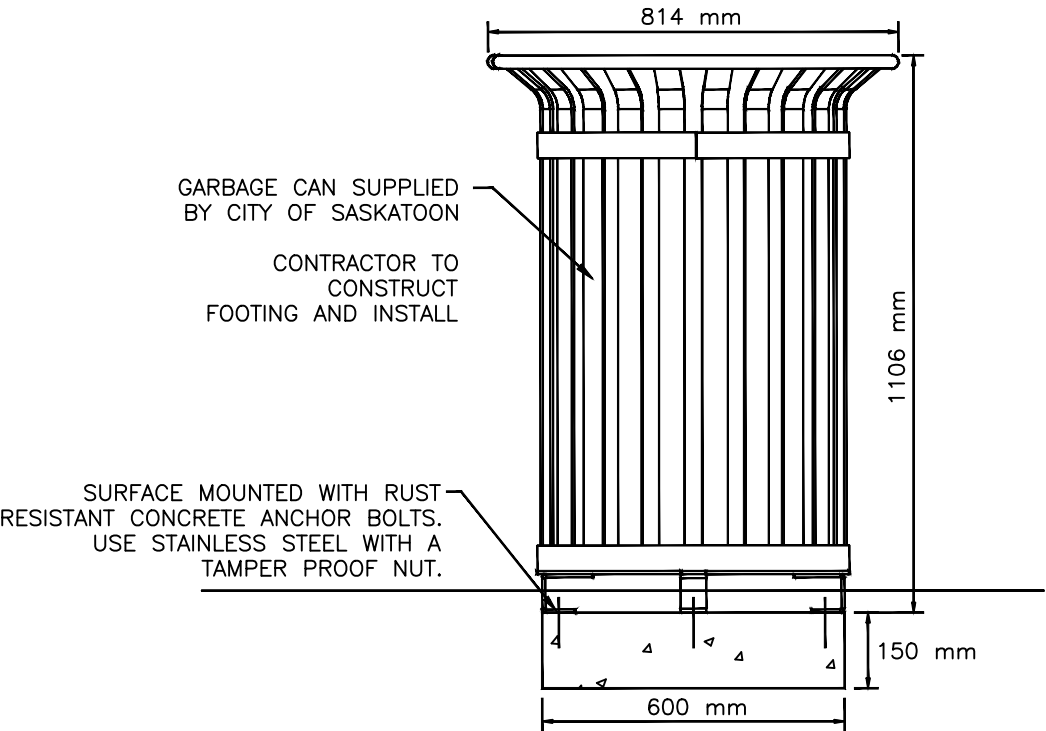


ENGINEER	
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SHEET NO.	PLAN NO.
—	Z0012044-TR-3704

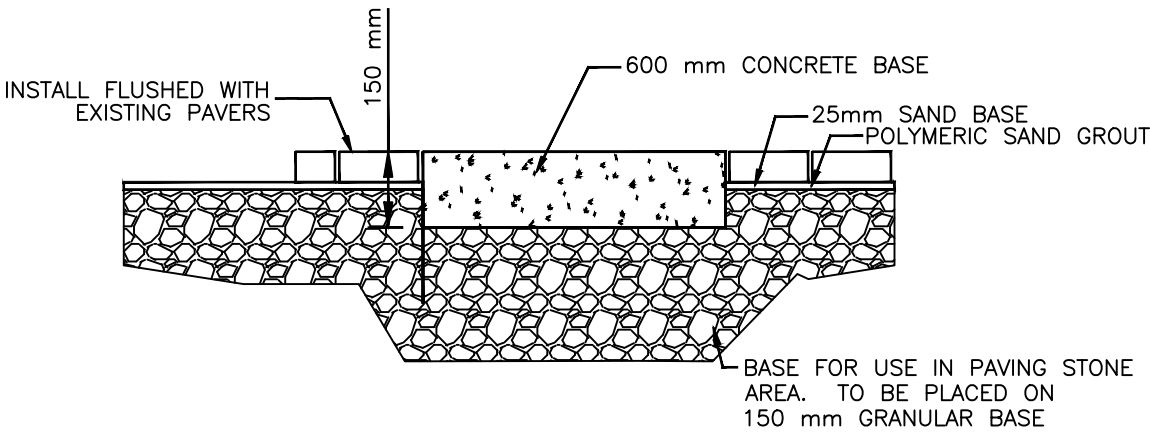
FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:29 AM BY: REBECCA GALBRAITH



TOP VIEW



ANCHOR SYSTEM



SECTION VIEW

THE CONTRACTOR IS TO TIE INTO AND MATCH ADJACENT PAVING STONE PATTERNS FOR NEW PAVING STONE INSTALLATION AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES.



CIMA+

ENGINEER
SHEET NO. — PLAN NO. Z0012044-TR-3705

SCALES :
HOR. NTS
VERT. — DATE

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2	ISSUED FOR TENDER	2024-07-22	CIMA+
1	ISSUED FOR REVIEW	2024-07-12	CIMA+
	PLAN DESCRIPTION/REVISION	DATE	BY

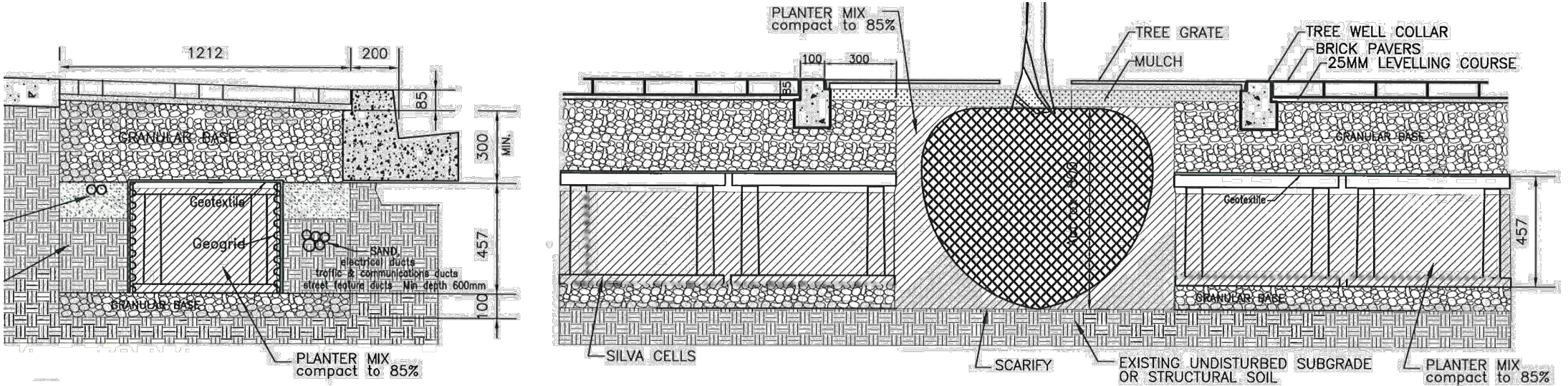
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DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STANDARD DETAILS
GARBAGE RECEPTACLE BASE DETAIL

FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:30 AM BY: REBECCA GALBRAITH



TREE PLANTING DETAILS

THE CONTRACTOR IS TO TIE INTO AND MATCH ADJACENT PAVING STONE PATTERNS FOR NEW PAVING STONE INSTALLATION AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES.



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2	ISSUED FOR TENDER	2024-07-22	CIMA+	
1	ISSUED FOR REVIEW	2024-07-12	CIMA+	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

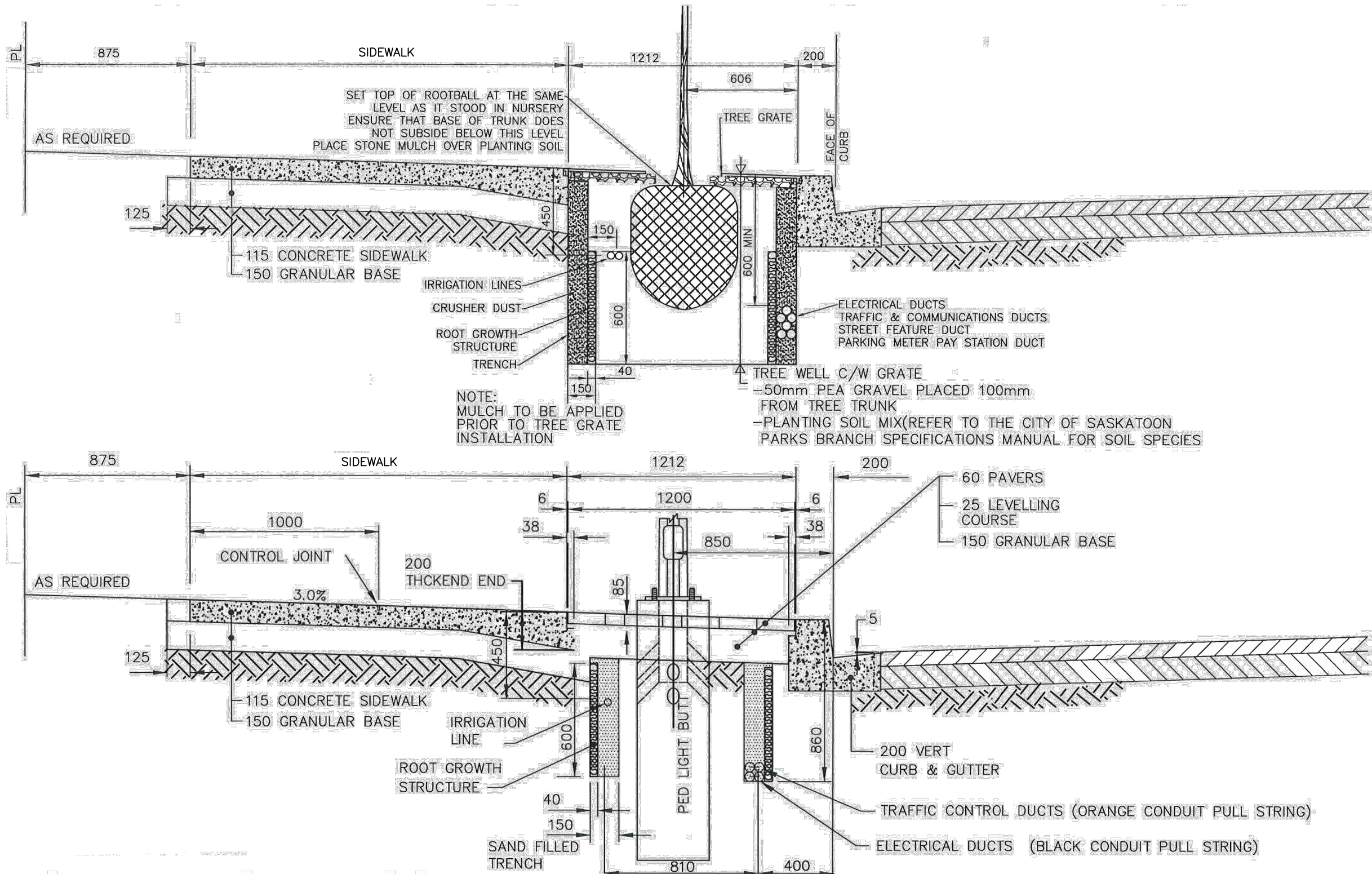
CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM
STANDARD DETAILS
TREE PLANTING DETAILS

ENGINEER	
SCALES : HOR. NTS VERT. _____	DATE _____
SHEET NO. _____	PLAN NO. Z0012044-TR-3706

FILE NAME: Z0012044-TR-3700-CONTRACT_3-DETAILS.DWG PLOT: July 22, 2024 10:31 AM BY: REBECCA GALBRAITH



THE CONTRACTOR IS TO TIE INTO AND MATCH ADJACENT PAVING STONE PATTERNS FOR NEW PAVING STONE INSTALLATION AREAS.

THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES.



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2	ISSUED FOR TENDER	2024-07-22	CIMA+	
1	ISSUED FOR REVIEW	2024-07-12	CIMA+	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

CHECKED BY:	CHECKED BY:
DATE	DATE
DRAWN BY:	DATE



BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS

AMENITY STRIP DETAILS

ENGINEER	
SCALES:	DATE
HOR. NTS	
VERT.	
SHEET NO.	PLAN NO.
-	Z0012044-TR-3707

FILE NAME: 2024-07-22 STATION 50- JB.DWG PLOT: July 22, 2024 4:51 PM BY: JASKARAN BARIANA

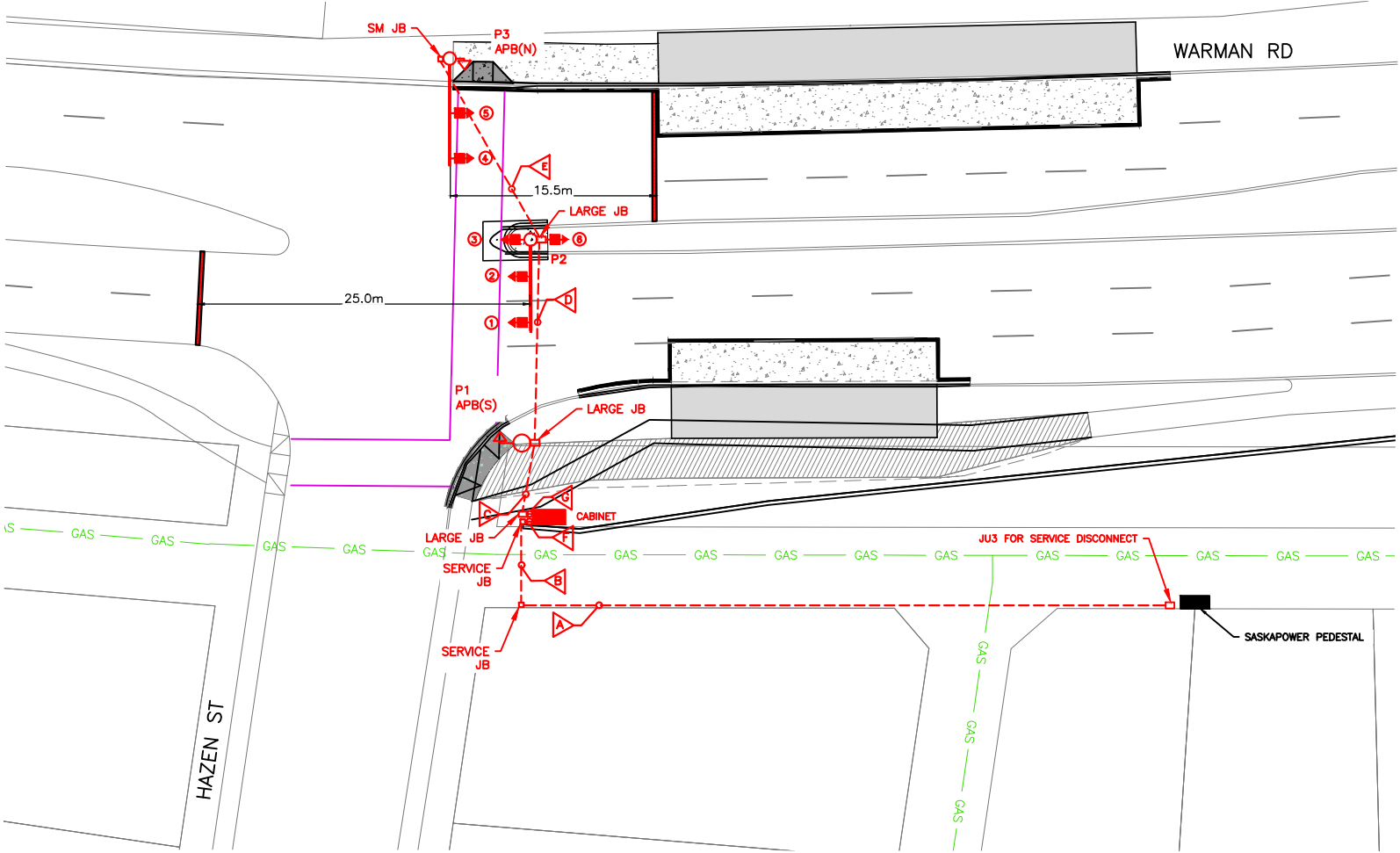
LEGEND OF SYMBOLS	
P1	POLE IDENTIFICATION
①	SIGNAL HEAD IDENTIFICATION
△	DUCT FORMATION IDENTIFICATION
⊗	COMBINATION TRAFFIC SIGNAL AND LIGHT STANDARD
○	TRAFFIC SIGNAL CORRIDOR POLE
➡	TRAFFIC SIGNAL HEAD
○	TRAFFIC SIGNAL MEDIAN POLE
➡	PEDESTRIAN SIGNAL HEAD
■	TRAFFIC SIGNAL CABINET
□	JUNCTION BOX
◇	2X2 LOOP VEHICLE DETECTOR
□	5X2 LOOP VEHICLE DETECTOR
◇	COUNT STATION
APB	ACCESSIBLE PUSH BUTTON
B/W	BREAKWAY BASE
🔊	AUDIBLE CHIRP – E/W
🔊	AUDIBLE CUCKOO– N/S
📶	POLE LOCATOR
📶	WIRELESS OVERHEAD DETECTOR AND DETECTOR ZONE
📶	WIRELESS COMMUNICATION
📶	RADAR DETECTION

PEDESTRIAN HEAD	POLE NO:
300X300 DOUBLE PED	
300X300 SINGLE PED	
450 SINGLE PED	
450 DOUBLE PED	
LED SINGLE PED	P1, P3
LED DOUBLE PED	
TOUCHLESS PUSHBUTTON	P1, P3
PUSHBUTTONS & SIGN	
AUDIBLE (CHIRP / CUCKOO)	
POLE LOCATOR	
AUDIBLE PUSHBUTTONS	
CYCLIST LED	
CYCLIST PUSHBUTTON & SIGN	

SIGNAL DESCRIPTION	SIGNALS			BACK BOARD NO.
	PRIMARY	SECONDARY	AUXILIARY	
LED-RD LED-AB LED-GR 300 300 300	1,4	2,5	3,6	1,2,4,5
LED-RD LED-AB LED-AR 300 300 300				
LED-RD LED-AB LED-GR BI-MODAL 300 300 300 300				
LED-RD LED-AB LED-GR LED-AR 300 300 300 300				

POLE DESCRIPTION	EXTENSION ARM	POLE NO.	BREAKWAY BASE
MEDIAN POLE	—	P1	
PUSHBUTTON POLE	—		
STREET POLE	—		
DAVIT POLE	—		
WOOD POLE	—		
CORRIDOR POLE	2.0 m		
	3.0 m		
	4.0 m	P2	
	5.0 m	P3	
9 m COMBINATION POLE	2.0 m		
	3.0 m		
	4.0 m		
TYPE L CANTILEVER POLE	5.0 m		
	11.0 m		
	12.0 m		
	13.0 m		

DUCT FORMATION	TRENCH LENGTH(m)	OF DUCTS	DUCT CONTENTS				
△A	50.0	1-2"					
△B	6.4	1-2"					
△C	6.0	4-2"					
△D	15.5	3-2"					
△E	16.5	2-2"					
△F	1.0	1-2"					
△G	1.0	1-4" 4-2"					



SITE PLAN



PUSH BUTTON & SIGN

CROSSING DISTANCE=28m

ALL UTILITIES EXCEPT GAS HAVE BEEN OMITTED

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3	ISSUED FOR TENDER	2024-07-22	JB	
2	DETAILED DESIGN	2024-07-12	JB	
1	ISSUED FOR REVIEW	2024-06-11	JB	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

CHECKED BY:	CHECKED BY:
NOT FOR CONSTRUCTION	
DATE	DATE
DRAWN BY	DATE



BUS RAPID TRANSIT SYSTEM

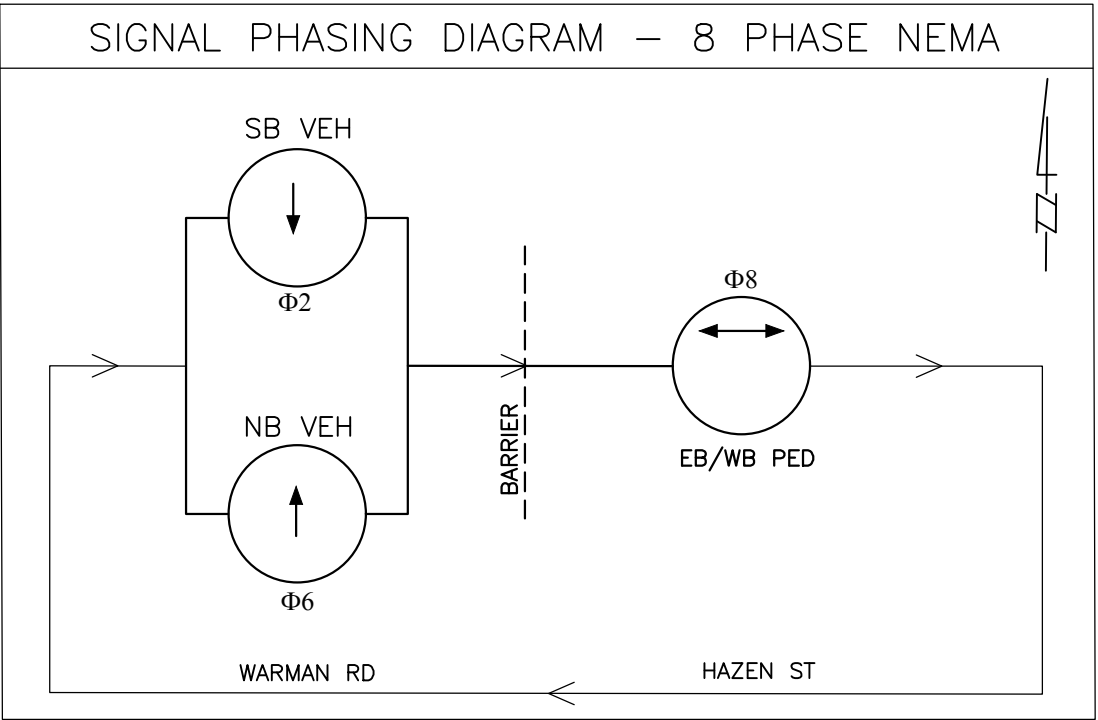
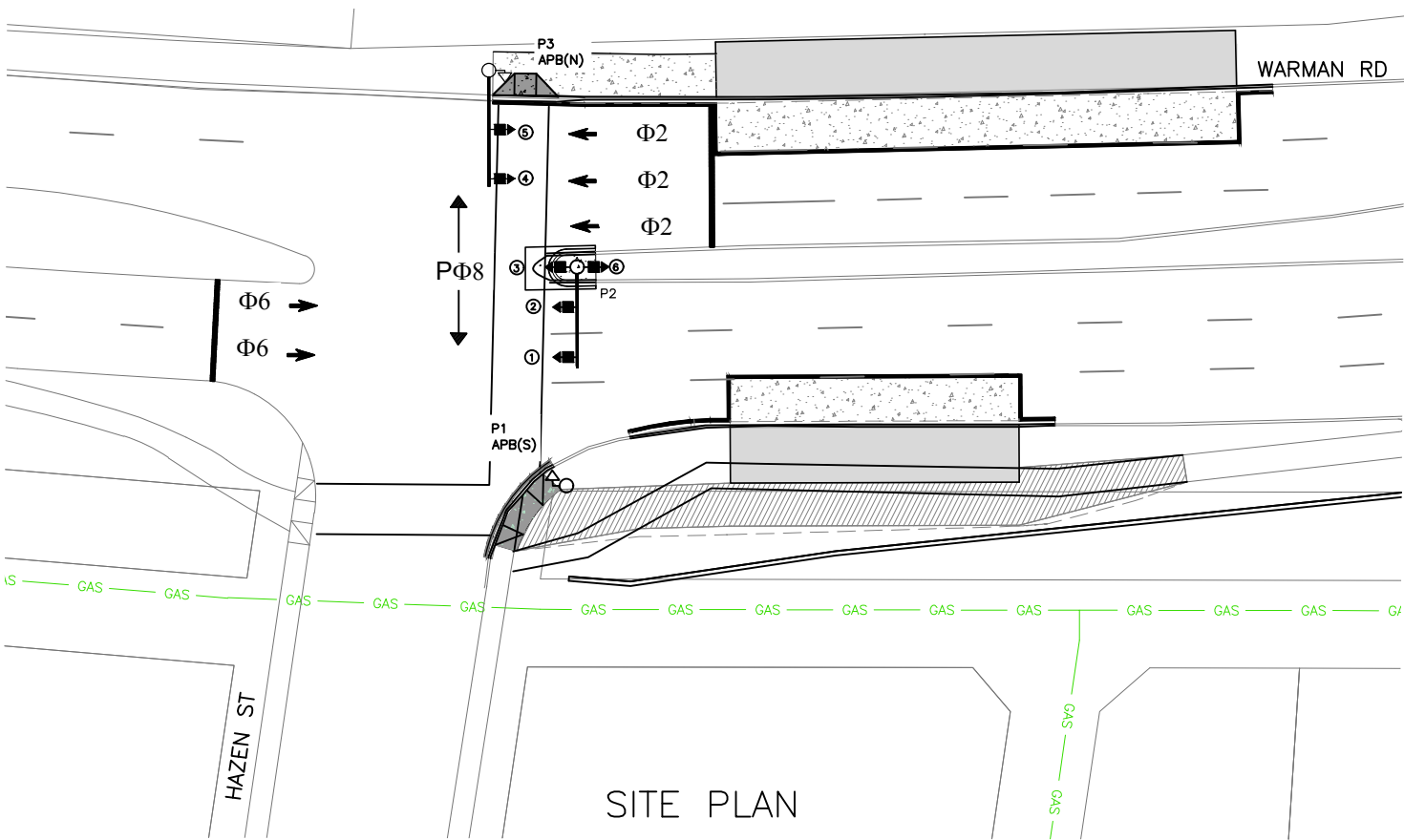
STATION 50 & 51
BLUE LINE
HAZEN STREET & WARMAN ROAD
INTERSECTION #3355
TRAFFIC SIGNAL – CONSTRUCTION



ENGINEER	
SCALES :	DATE
HOR. 1:500	
VERT. N.T.S.	
SHEET NO.	PLAN NO.
1 OF 2	Z0012044-TR-3800

FILE NAME: 2024-07-22 STATION 50- JBDWG PLOT: July 22, 2024 4:51 PM BY: JASKARAN BARIANA

LEGEND OF SYMBOLS	
P1	POLE IDENTIFICATION
①	SIGNAL HEAD IDENTIFICATION
△	DUCT FORMATION IDENTIFICATION
⊗	COMBINATION TRAFFIC SIGNAL AND LIGHT STANDARD
○	TRAFFIC SIGNAL CORRIDOR POLE
➡	TRAFFIC SIGNAL HEAD
○	TRAFFIC SIGNAL MEDIAN POLE
➡	PEDESTRIAN SIGNAL HEAD
■	TRAFFIC SIGNAL CABINET
□	JUNCTION BOX
◇	2X2 LOOP VEHICLE DETECTOR
□	5X2 LOOP VEHICLE DETECTOR
◇	COUNT STATION
APB	ACCESSIBLE PUSH BUTTON
B/W	BREAKWAY BASE
🔊	AUDIBLE CHIRP – E/W
🔊	AUDIBLE CUCKOO– N/S
📶	POLE LOCATOR
📶	WIRELESS OVERHEAD DETECTOR AND DETECTOR ZONE
📶	WIRELESS COMMUNICATION
📶	RADAR DETECTION



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3	ISSUED FOR TENDER	2024-07-22	JB	
2	DETAILED DESIGN	2024-07-12	JB	
1	ISSUED FOR REVIEW	2024-06-11	JB	
	PLAN DESCRIPTION/REVISION	DATE	BY	SEAL

CHECKED BY:	CHECKED BY:
NOT FOR CONSTRUCTION	
DATE	DATE
DRAWN BY	DATE



BUS RAPID TRANSIT SYSTEM

STATION 50 & 51
BLUE LINE
HAZEN STREET & WARMAN ROAD
INTERSECTION #3355
TRAFFIC SIGNALS – PHASING



ENGINEER	
SCALES :	DATE
HOR. 1:500	
VERT. N.T.S.	
SHEET NO.	PLAN NO.
2 OF 2	Z0012044-TR-3801