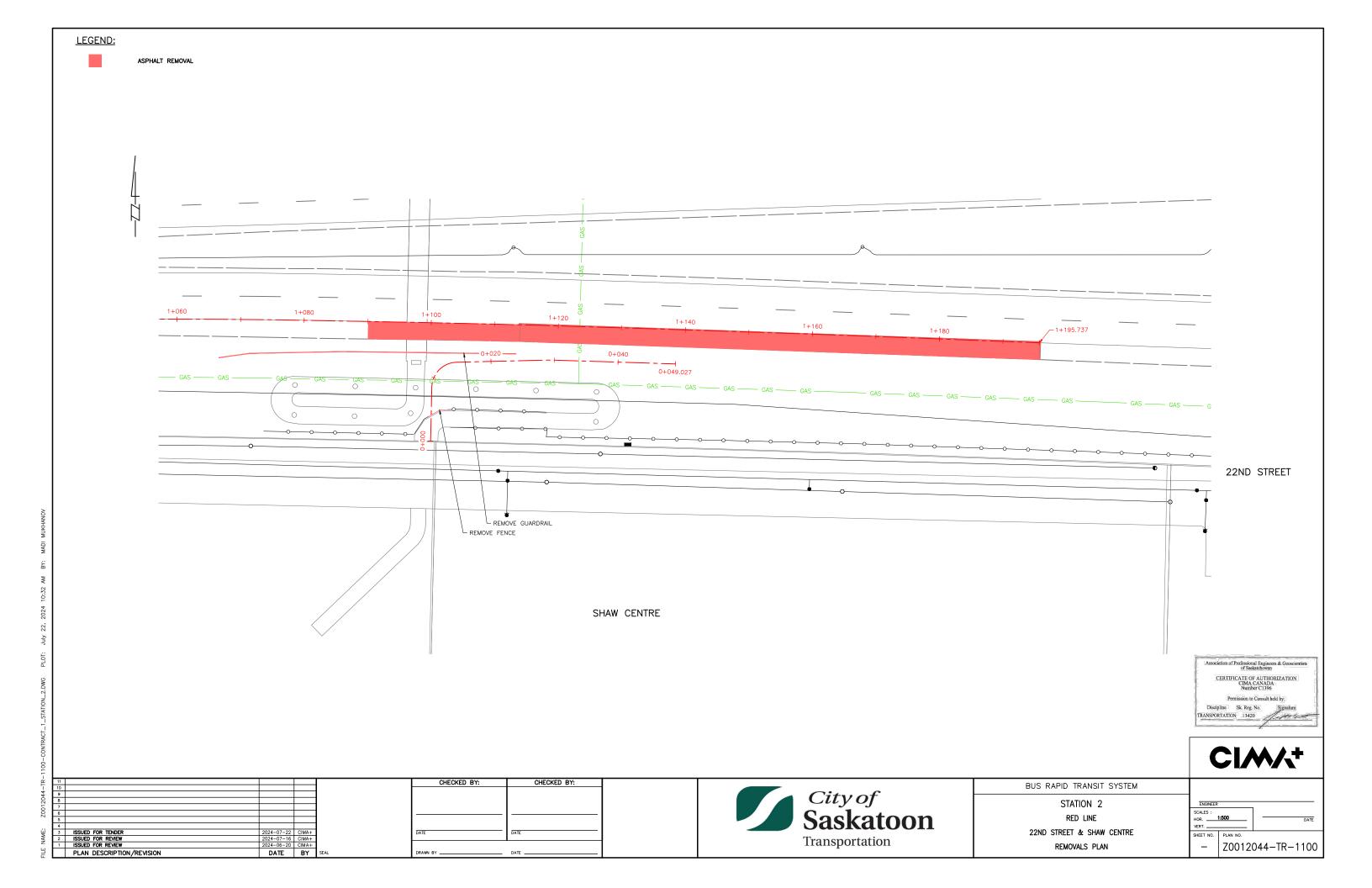
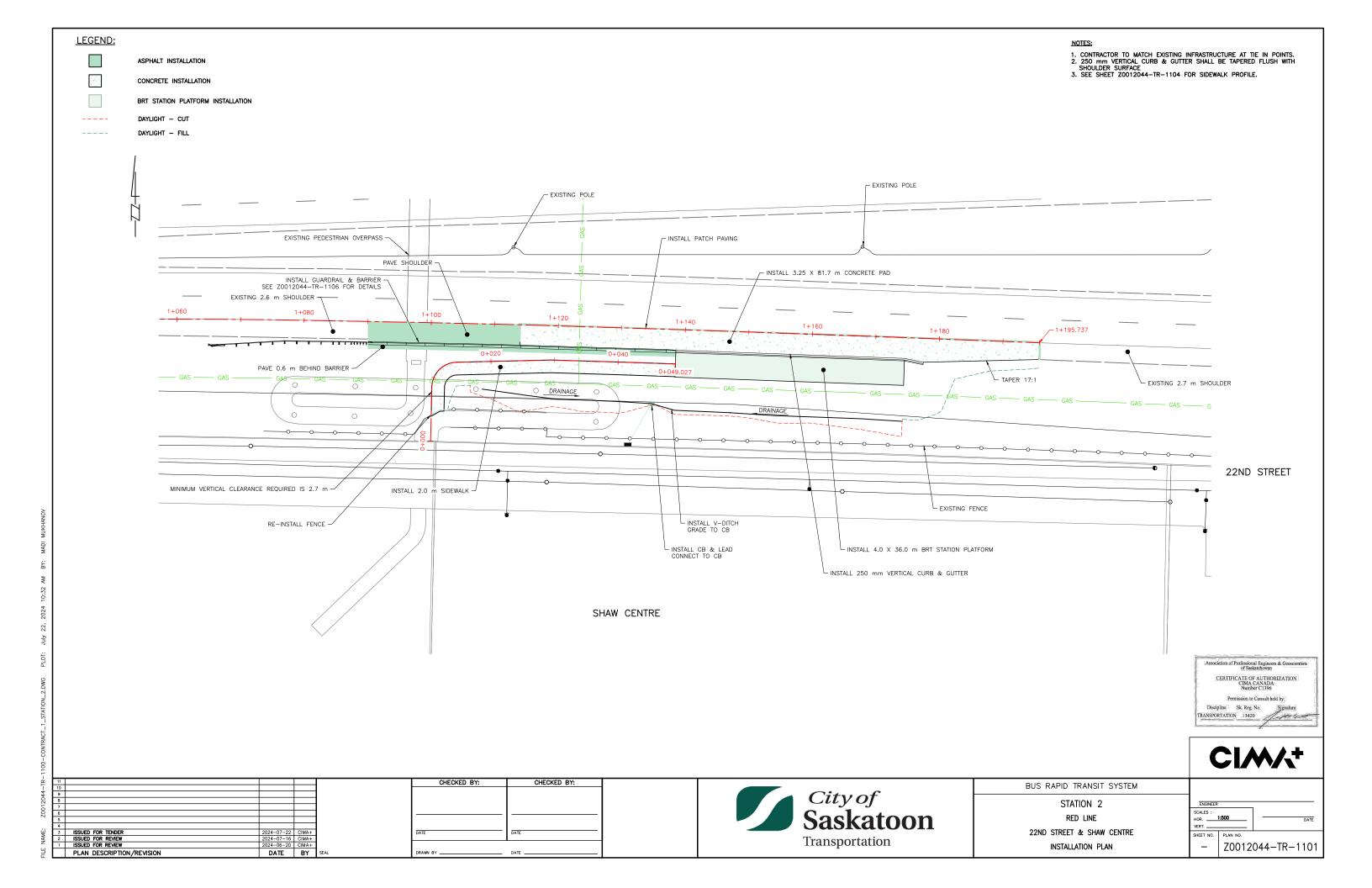
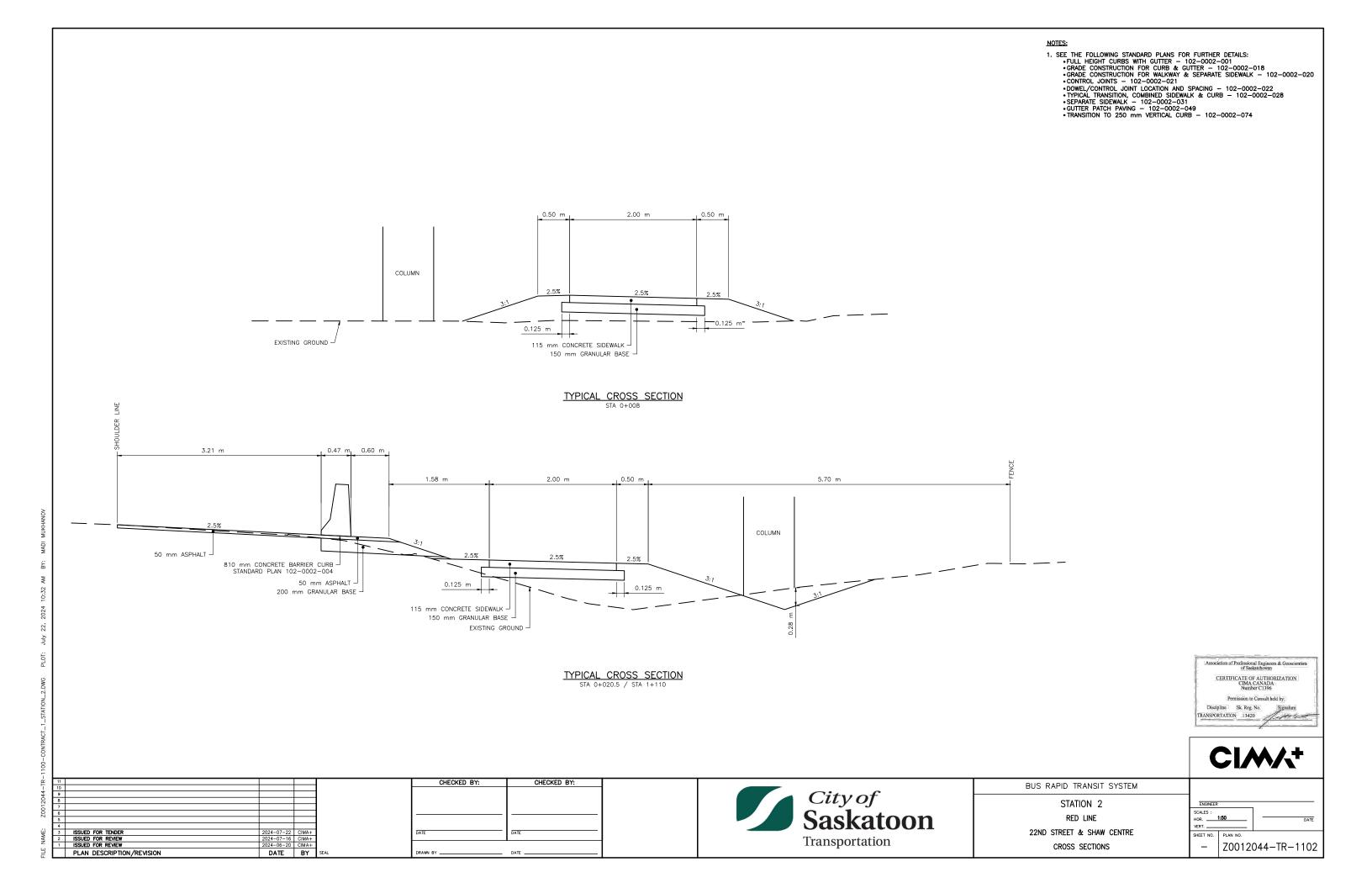
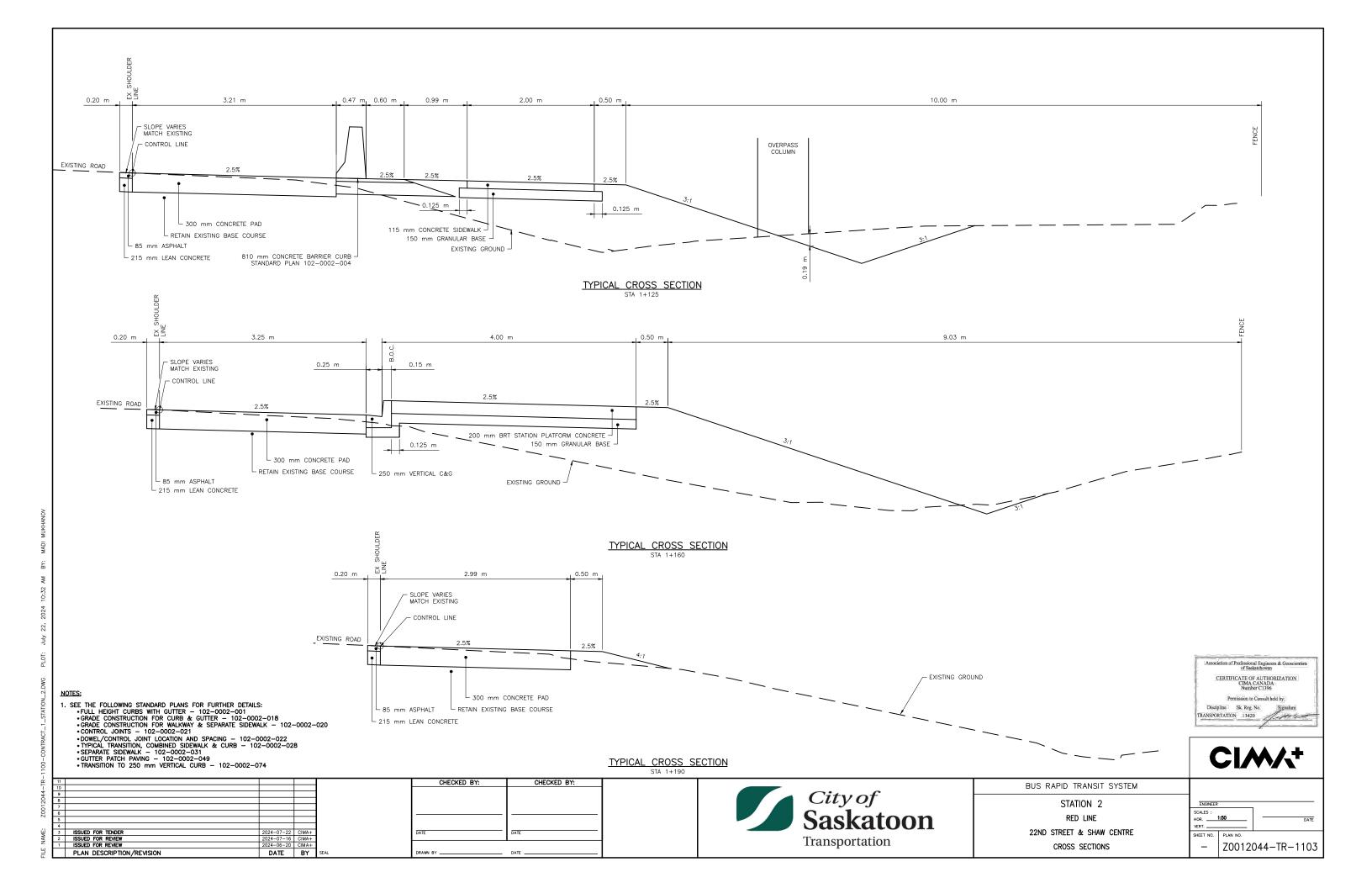


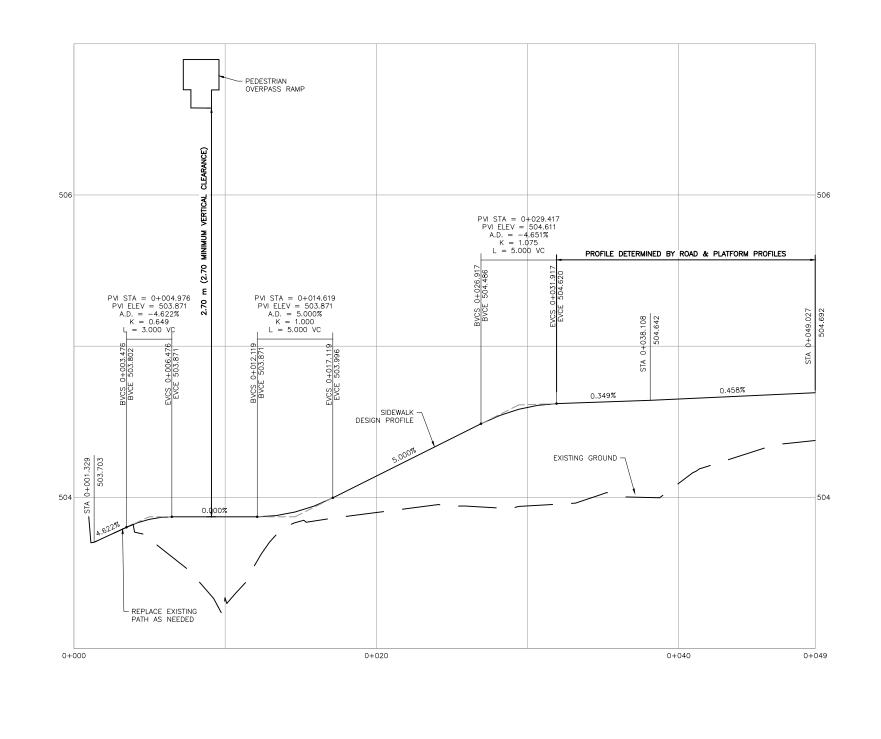
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PLAN NO.	DESCRIPTION	PLAN NO.	DESCRIPTION
Z0012044-TR-1000	COVER PAGE	Z0012044-TR-1600	STANDARD DETAILS W-BEAM TO BARRIER TRANSITION
Z0012044-TR-1001	INDEX OF DRAWINGS	Z0012044-TR-1601	STANDARD DETAILS FLEAT 350 END TERMINAL
		Z0012044-TR-1602	STANDARD DETAILS BARRIER TO CURB TRANSITION SHEET 1 OF 2
Z0012044-TR-1100	STATION 2 RED LINE 22ND STREET & SHAW CENTRE REMOVALS PLAN	Z0012044-TR-1603	STANDARD DETAILS BARRIER TO CURB TRANSITION SHEET 2 OF 2
Z0012044-TR-1101	STATION 2 RED LINE 22ND STREET & SHAW CENTRE INSTALLATION PLAN		
Z0012044-TR-1102	STATION 2 RED LINE 22ND STREET & SHAW CENTRE CROSS SECTIONS		
Z0012044-TR-1103	STATION 2 RED LINE 22ND STREET & SHAW CENTRE CROSS SECTIONS		
Z0012044-TR-1104	STATION 2 RED LINE 22ND STREET & SHAW CENTRE SIDEWALK PROFILE		
Z0012044-TR-1105	STATION 2 RED LINE 22ND STREET & SHAW CENTRE PLATFORM DETAILS		
Z0012044-TR-1106	STATION 2 RED LINE 22ND STREET & SHAW CENTRE GUARDRAIL DETAILS		
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	STATION 3 RED LINE 22ND STREET & SHAW CENTRE REMOVALS PLAN		
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20012044-1R-1203	STATION 3 RED LINE 22ND STREET & SHAW CENTRE PLATFORM DETAILS		
Z0012044-TR-1300	STATION 5 RED LINE 22ND STREET & HART ROAD REMOVALS PLAN		
Z0012044-TR-1301	STATION 5 RED LINE 22ND STREET & HART ROAD INSTALLATION PLAN		
Z0012044-TR-1302	STATION 5 RED LINE 22ND STREET & HART ROAD CROSS SECTIONS		
Z0012044-TR-1303	STATION 5 RED LINE 22ND STREET & HART ROAD PLATFORM DETAILS		
Z0012044-TR-1400	STATION 11 RED/GREEN LINE 22ND STREET & AVE P REMOVALS PLAN		
Z0012044-TR-1401	, ,		
	STATION 11 RED/GREEN LINE 22ND STREET & AVE P CROSS SECTIONS		
	STATION 11 RED/GREEN LINE 22ND STREET & AVE P PLATFORM DETAILS		
			Association of Professional Engineers & Geoscientists of Saskatchewan
	STANDARD DETAILS UNDERGROUND ELECTRICAL CONNECTIONS		CERTIFICATE OF AUTHORIZATION CIMA CANADA Number C1396
	STANDARD DETAILS RIGID PAVEMENT TYPICAL JOINT DETAILS		Permission to Consult held by:  Discipline Sk. Reg. No. Signature
Z0012044-TR-1502	STANDARD DETAILS PLATFORM STRUCTURAL DETAILS		TRANSPORTATION 13420
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SIDEWALK	PROFILE
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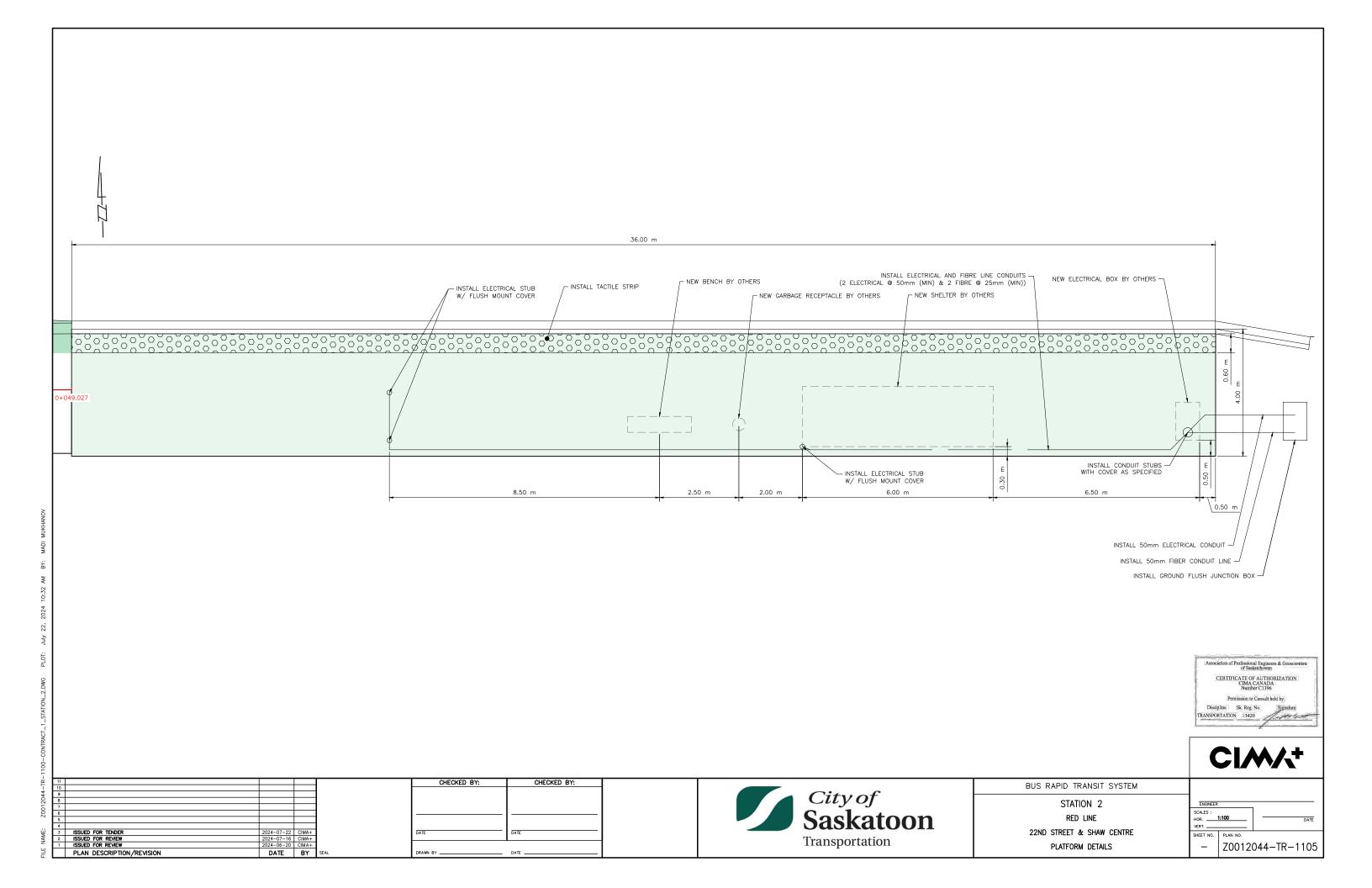
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STATION 2
RED LINE
22ND STREET & SHAW CENTRE
SIDEWALK PROFILE

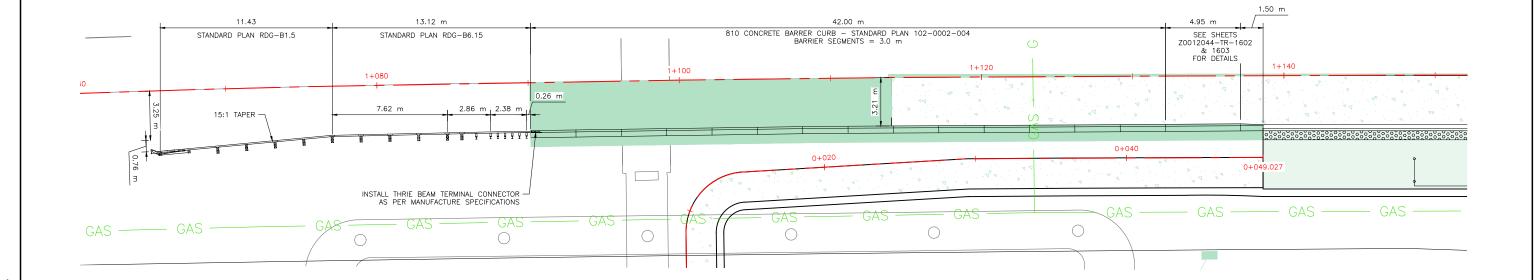
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0012044-TR-1100-CONTRACT\_1\_STATION\_2.DWG PLOT: July 22, 2024 10:32 AM BY: MADI MUKHA



NOTES:

1. SEE DRAWINGS Z0012044—TR—1800 TO 1603 FOR GUARDRAIL STANDARD PLANS.



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Discipline Sk. Reg. No. Signature

TRANSPORTATION 13420

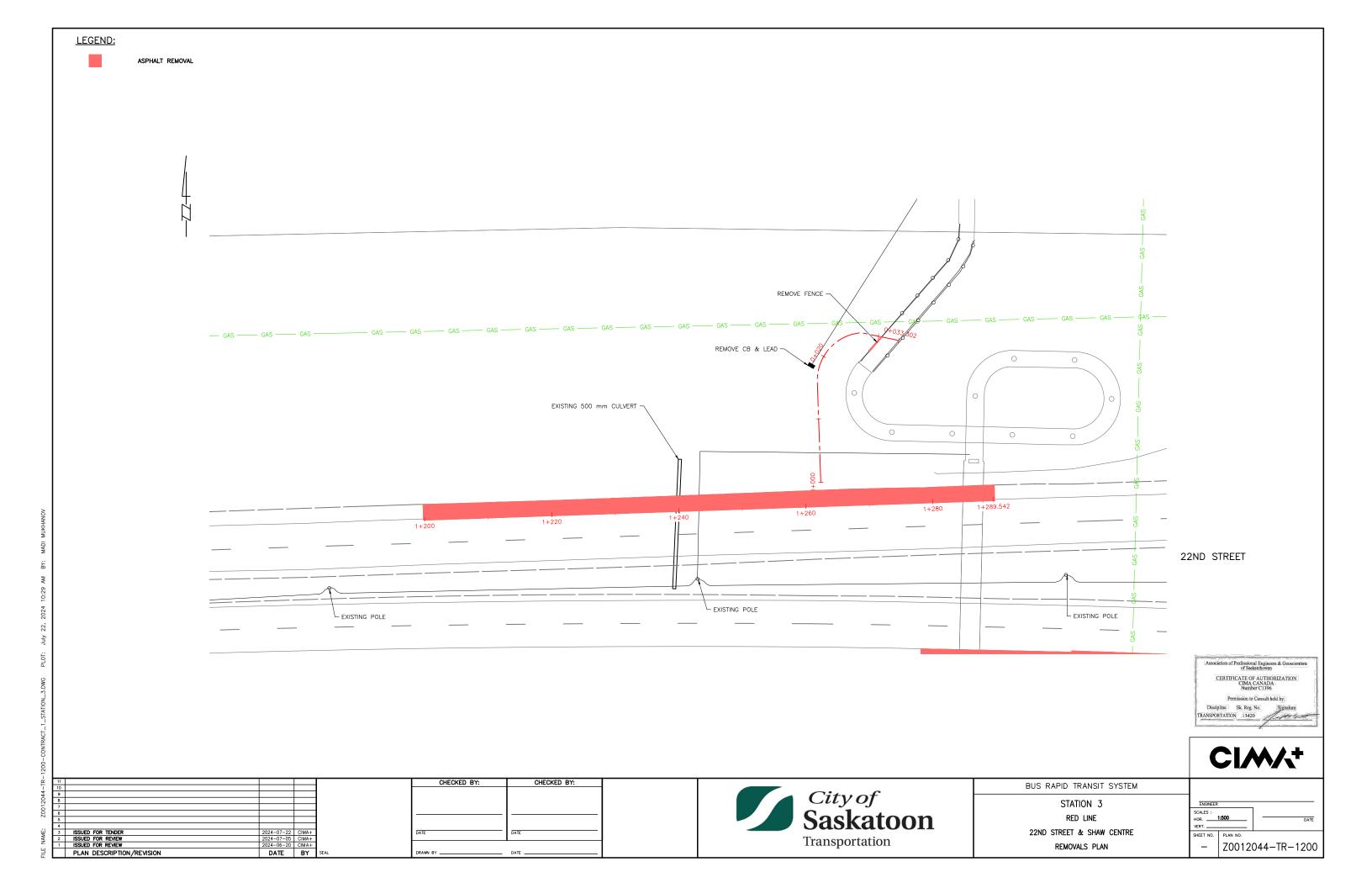
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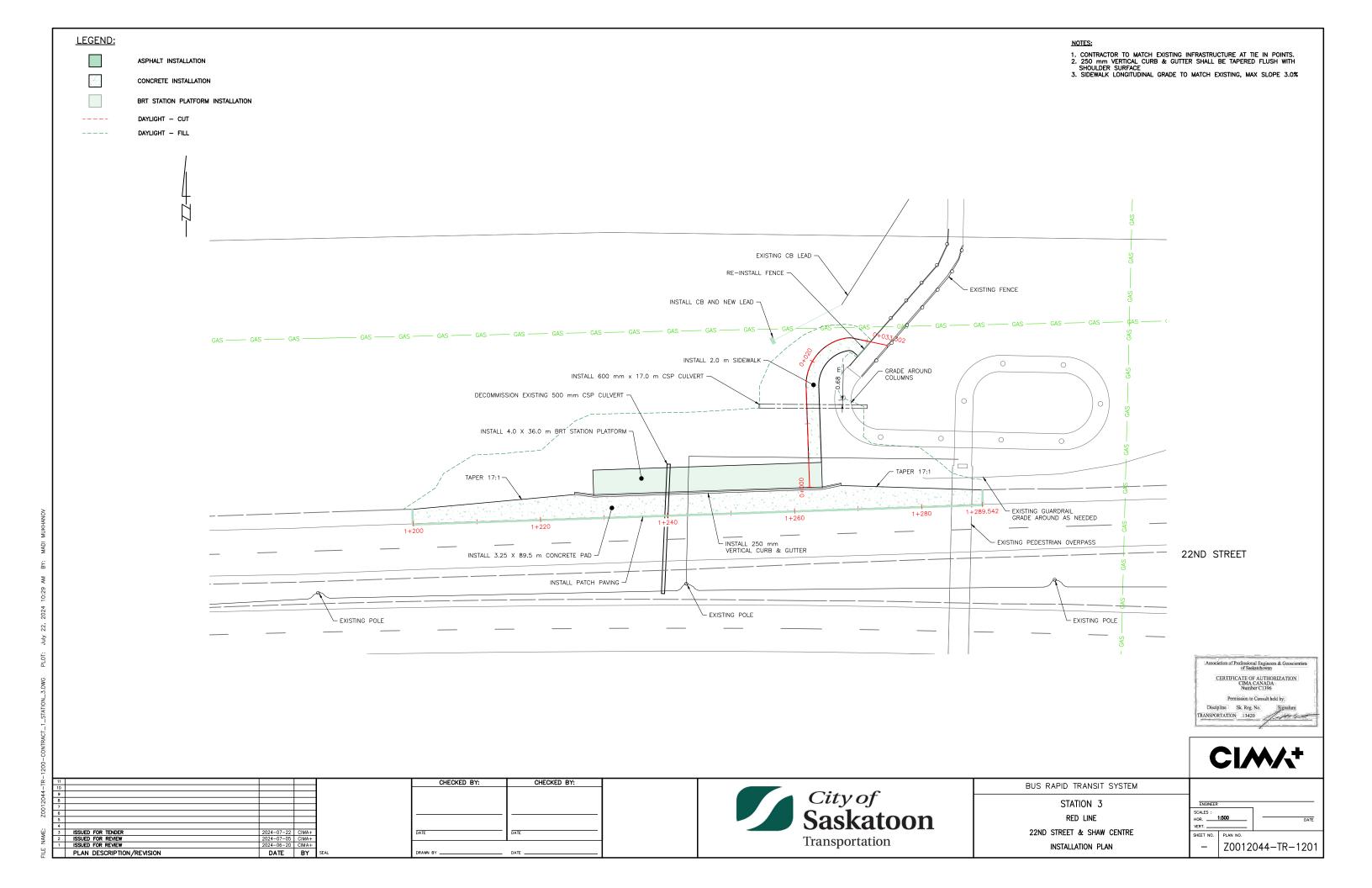
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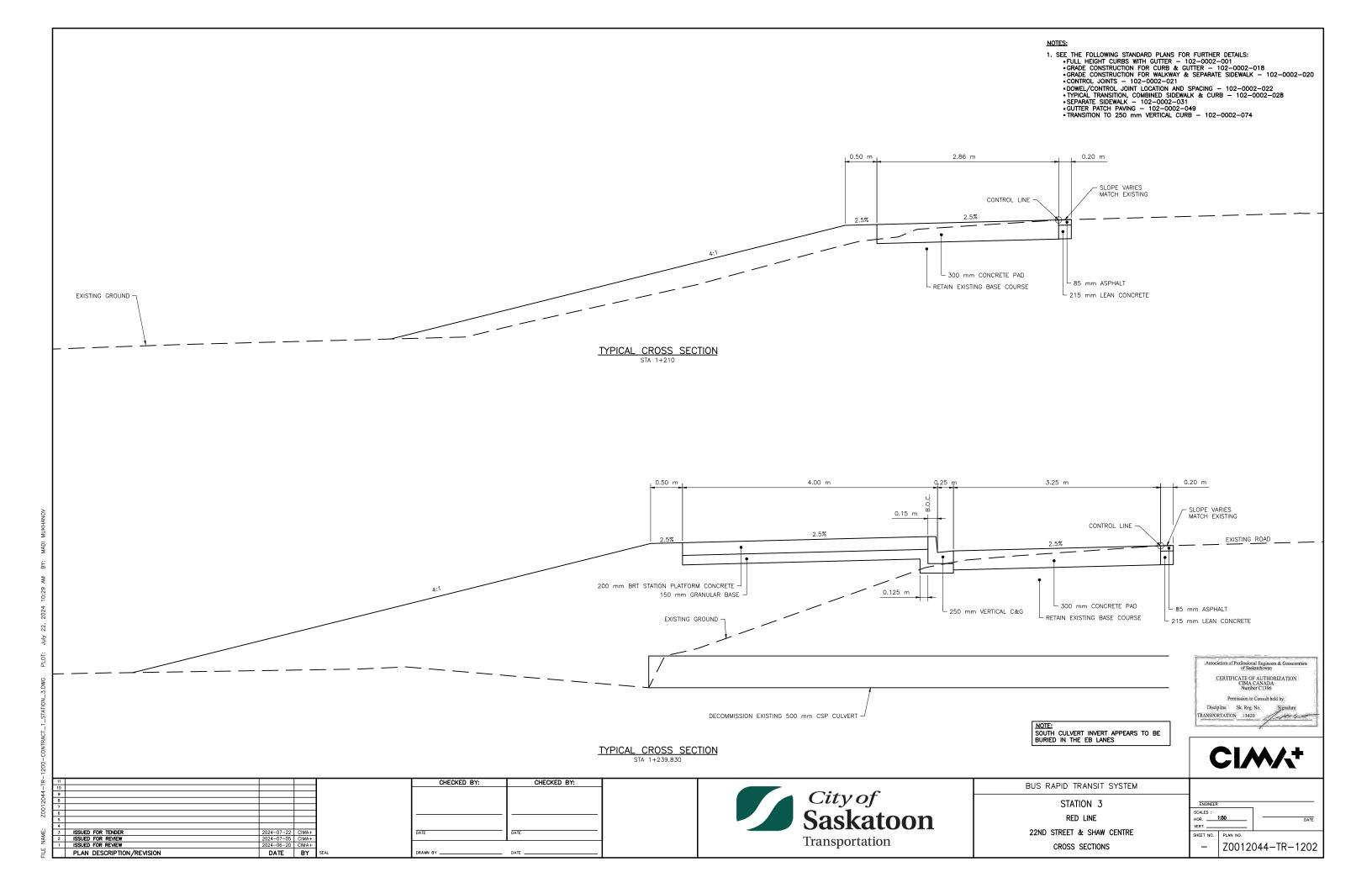


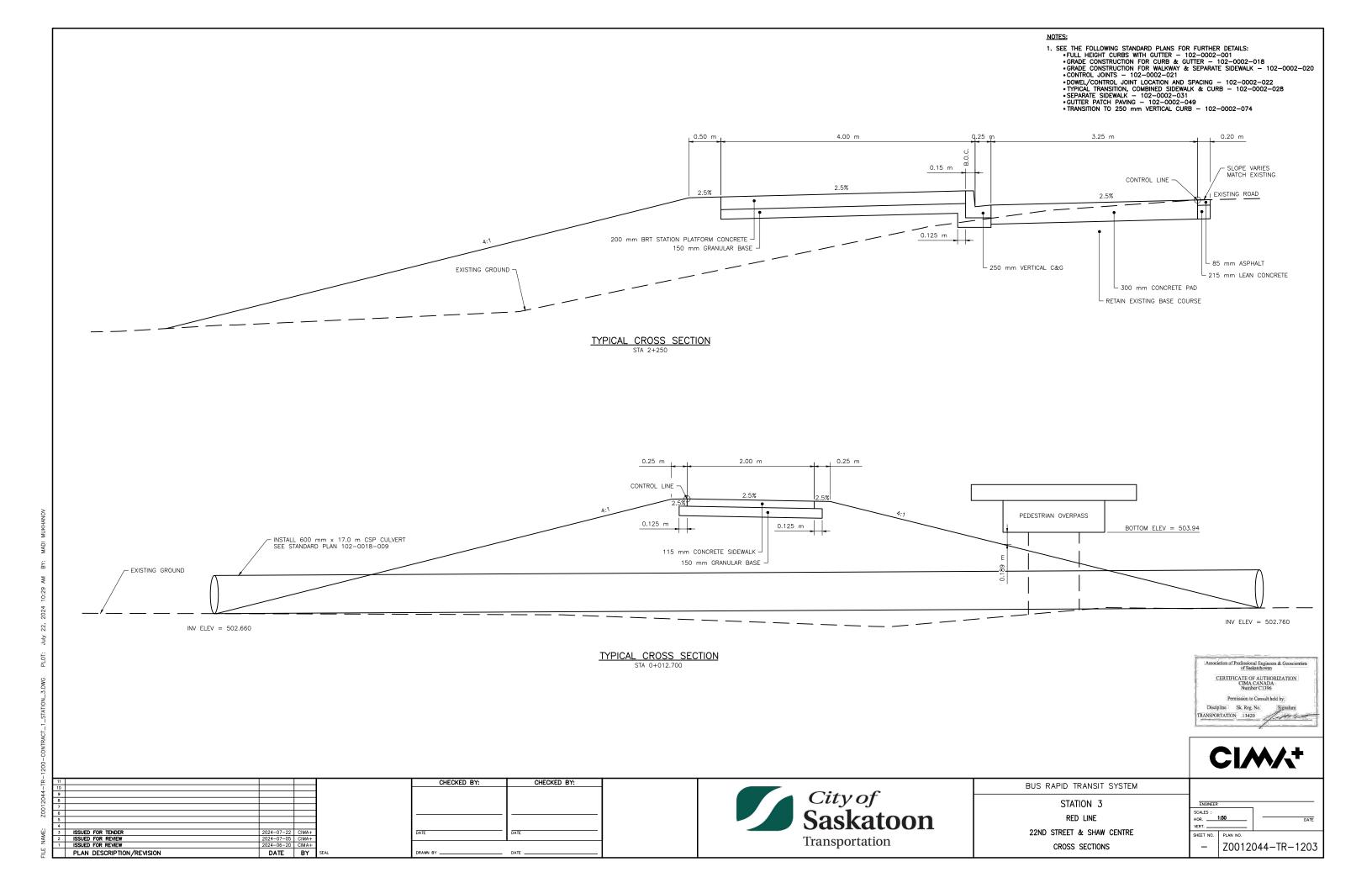
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STATION 2						
RED LINE						
22ND STREET & SHAW CENTRE						
GUARDRAIL DETAILS						

ENGINEER		
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_	Z0012	044-TR-1106









PVI STA = 0+007.153 PVI ELEV = 504.708 A.D. = -1.843% K = 2.713 L = 5.000 VC PVI STA = 0+027.380 PVI ELEV = 503.830 A.D. = 3.608% K = 1.386 L = 5.000 VC SIDEWALK -DESIGN PROFILE -0.734% PLATFORM DESIGN EXISTING GROUND -GRADE DITCH AS NEEDED TO CULVERT INVERTS - INSTALL 600 mm x 17.0 m CSP CULVERT 0+000 0+033 0+020

SIDEWALK PROFILE 1:250

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TRANSPORTATION 13420

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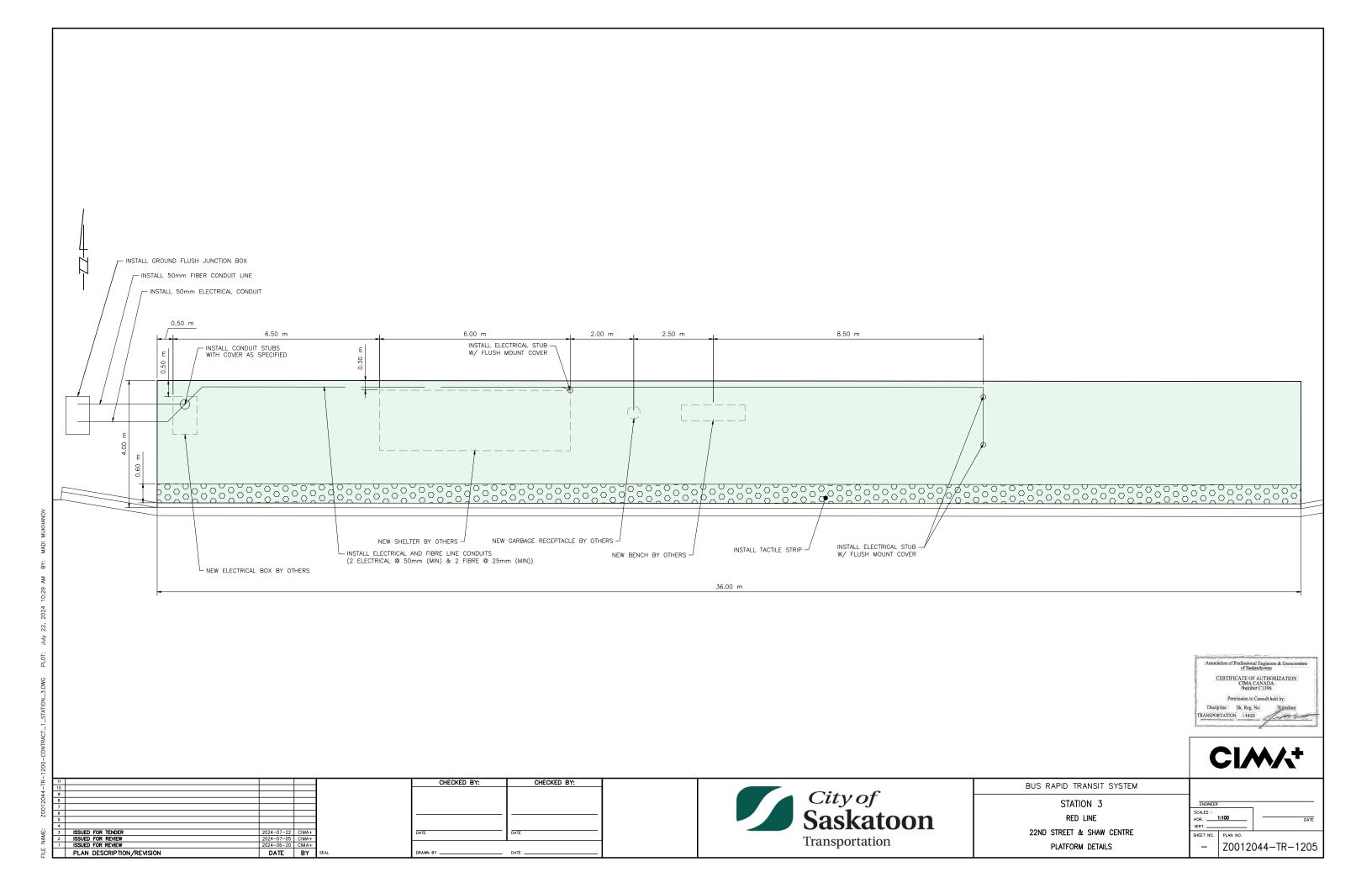
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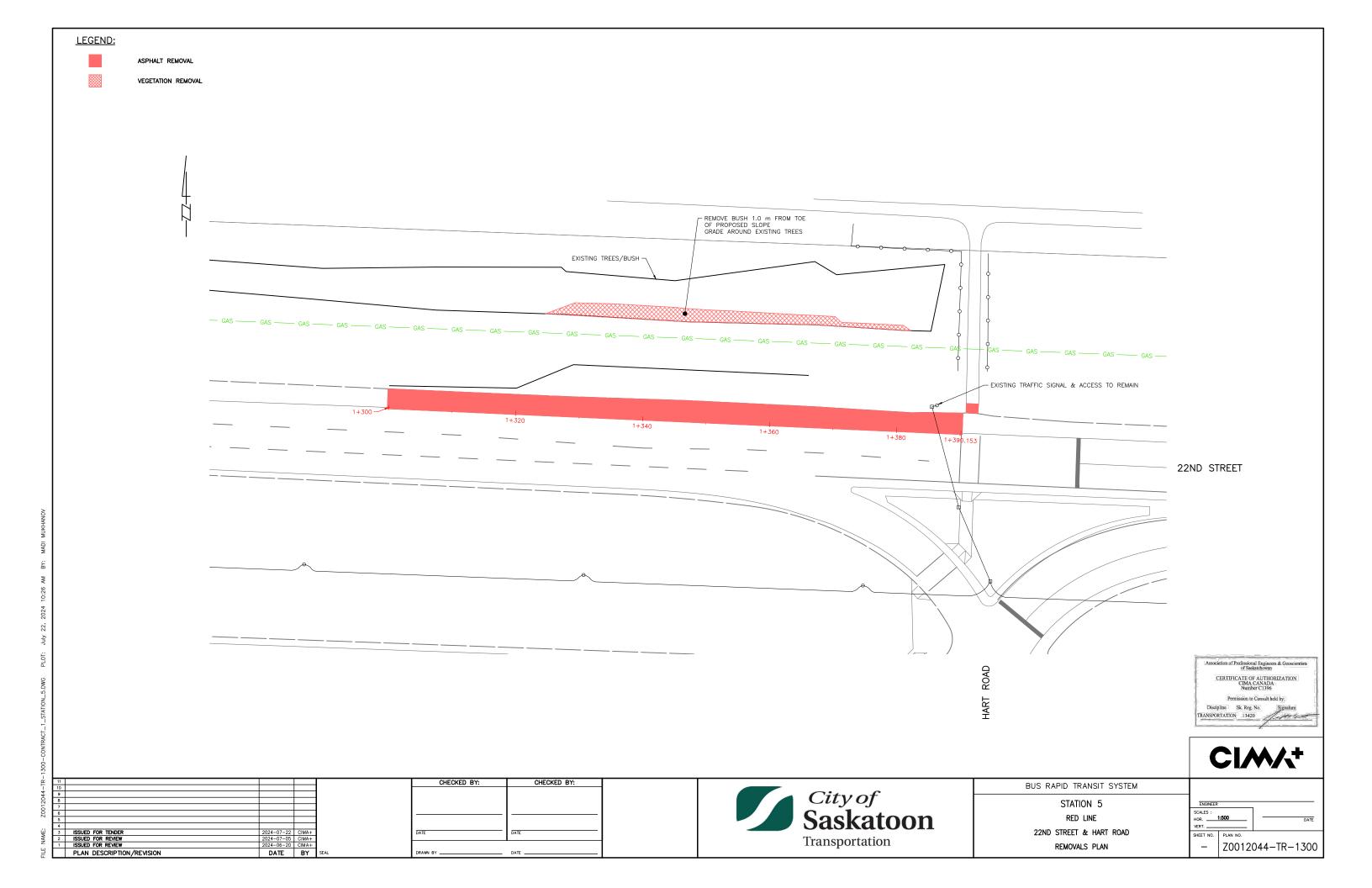


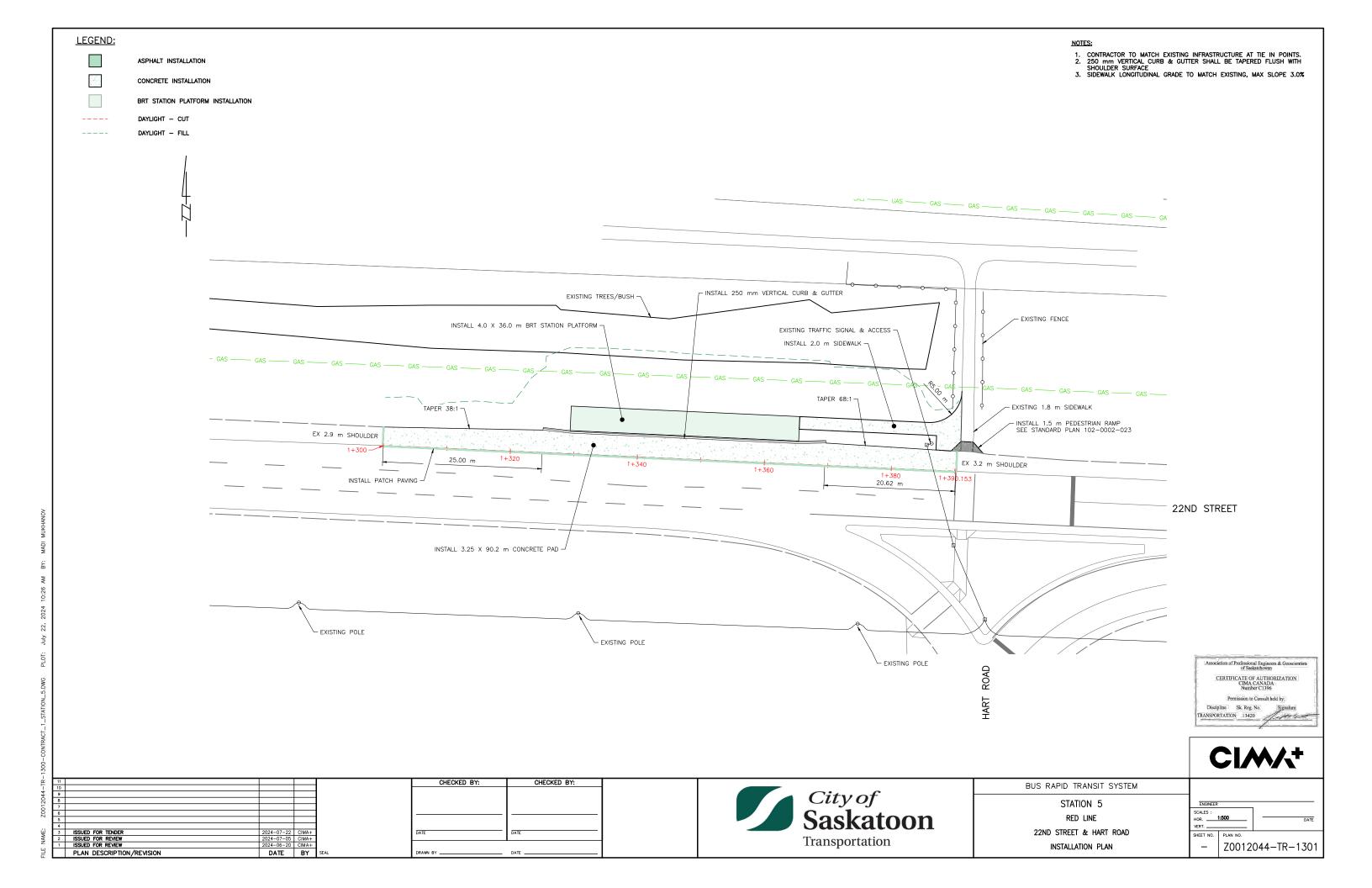
BUS RAPID TRANSIT SYSTEM
STATION 3
RED LINE
22ND STREET & SHAW CENTRE
SIDEWALK PROFILE

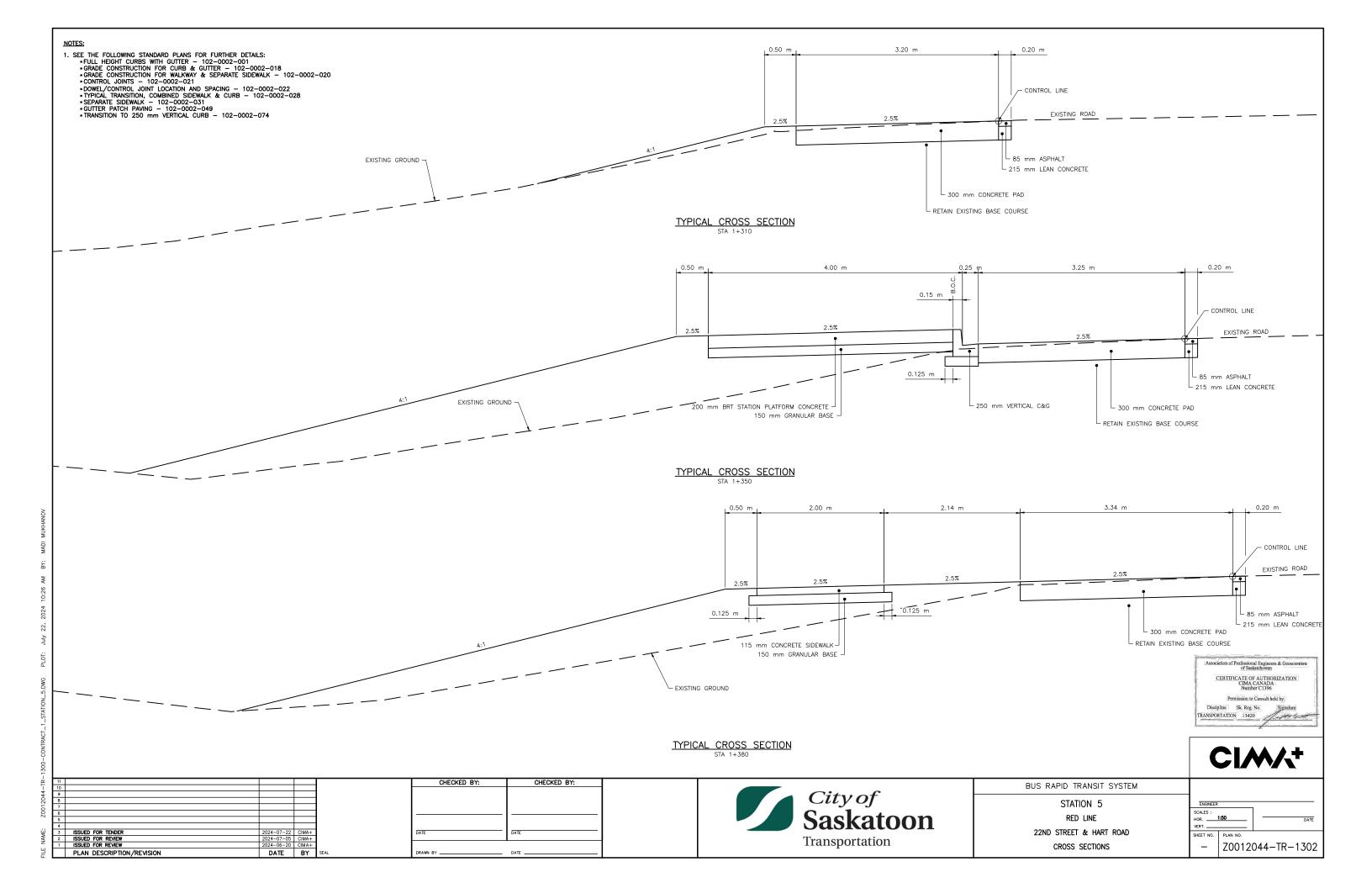
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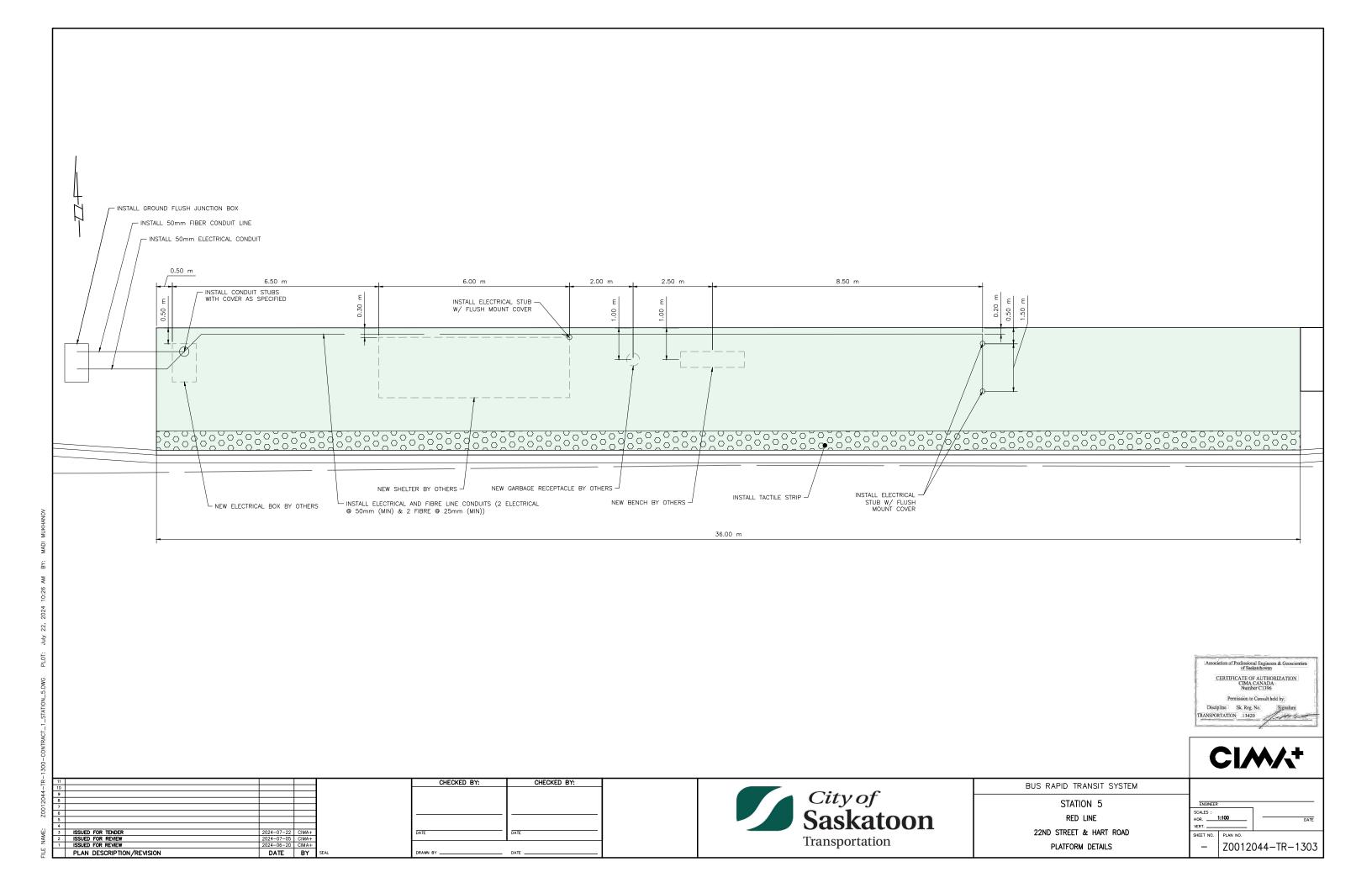
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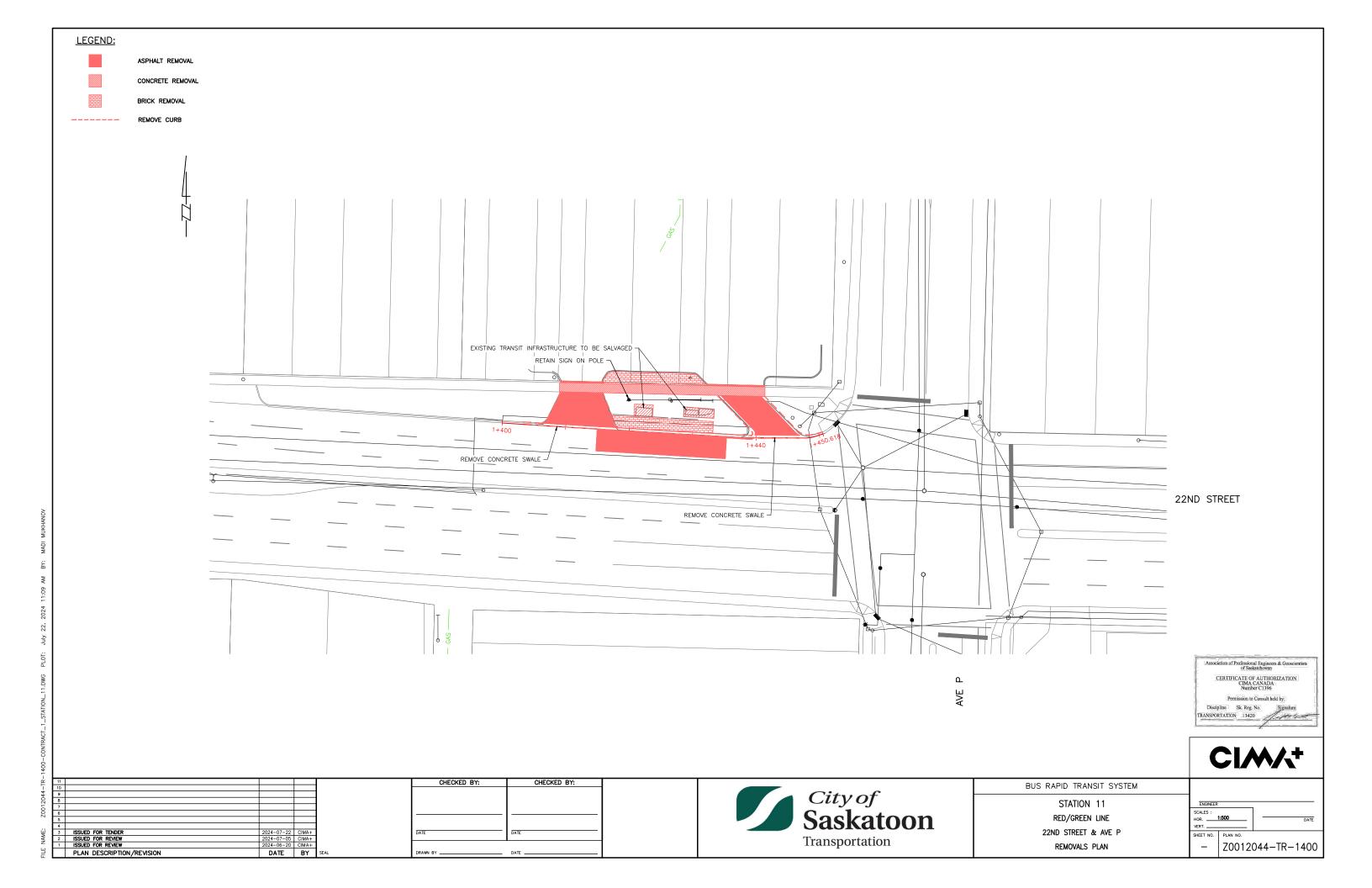


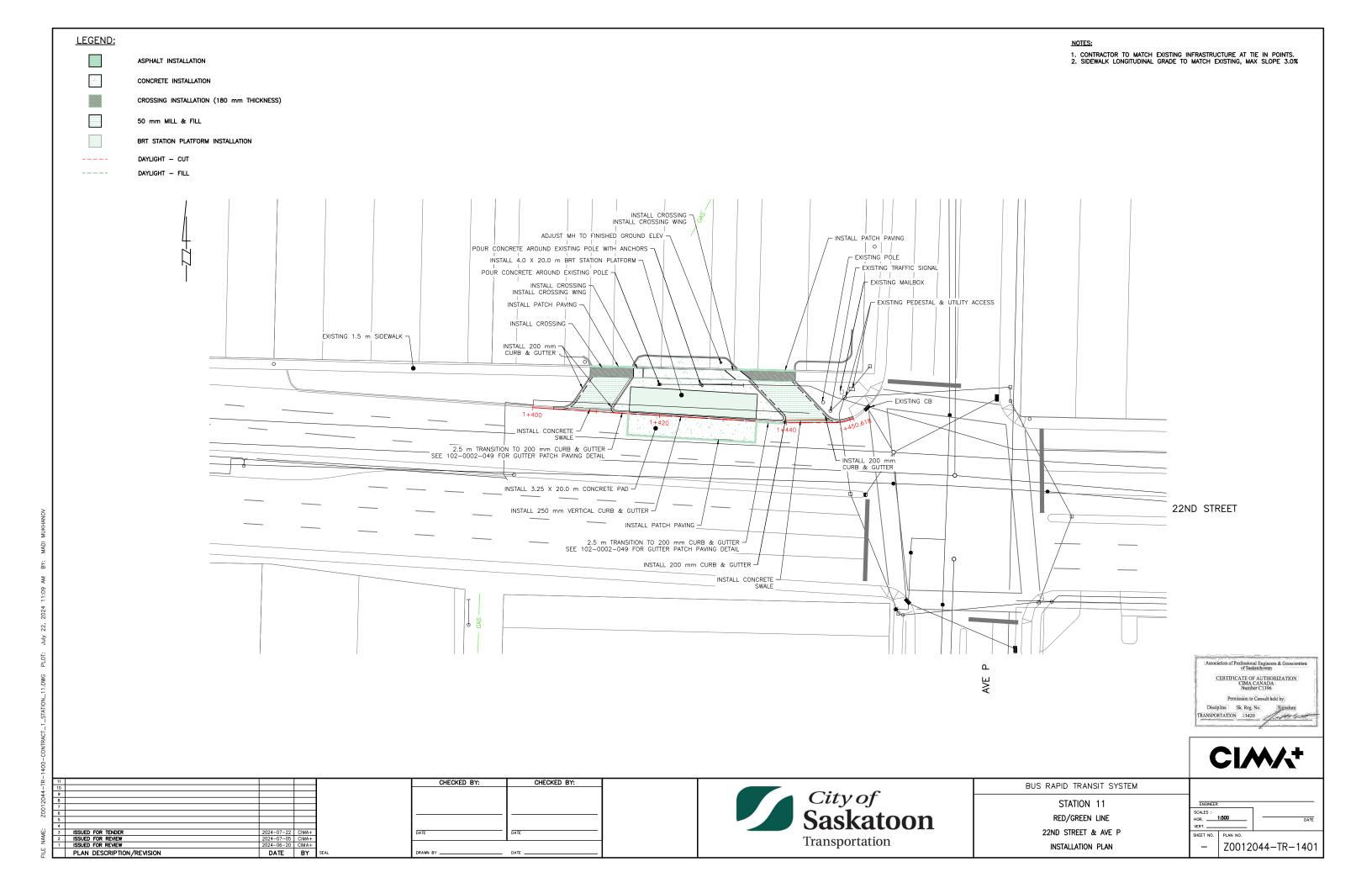


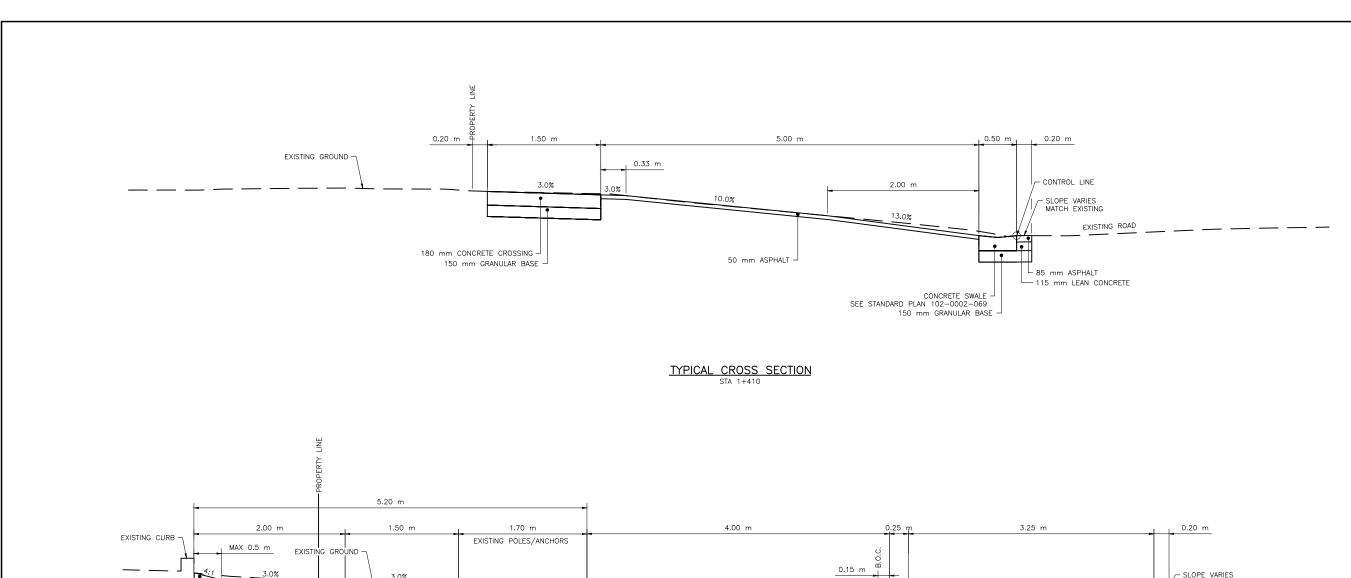


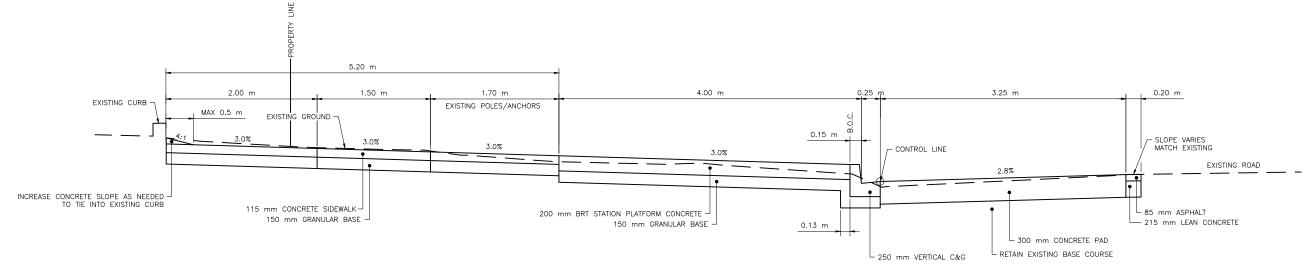








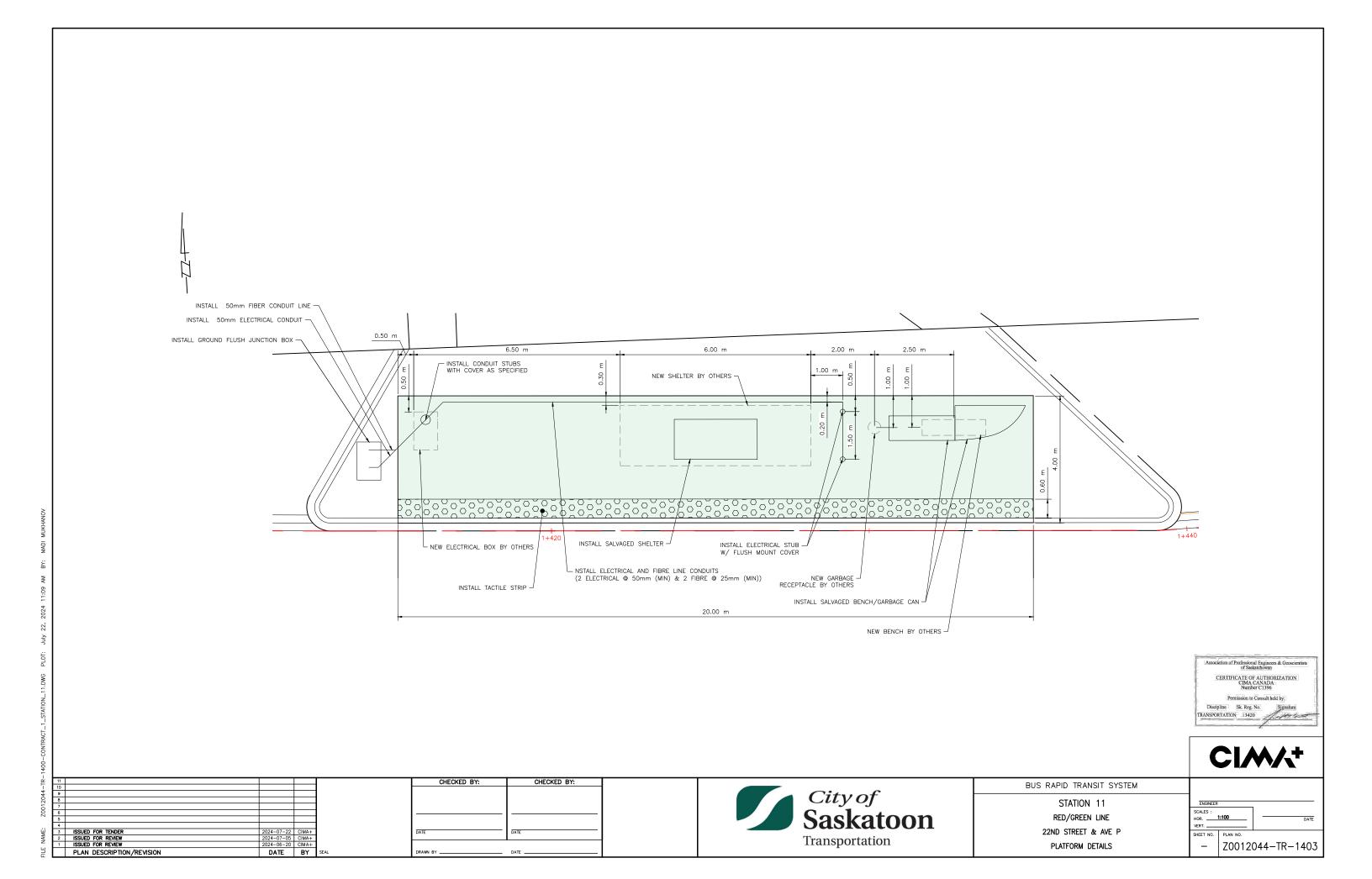




TYPICAL CROSS SECTION STA 1+425



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°	6 5 5 4			Saskatoon	RED/GREEN LINE	SCALES : HOR
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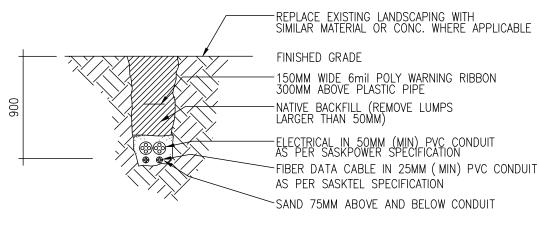
NOTE:

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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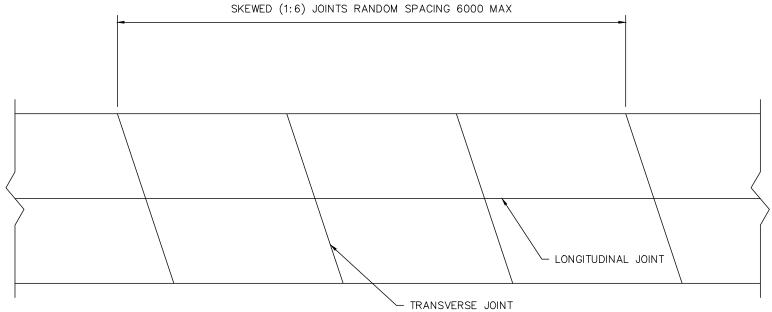
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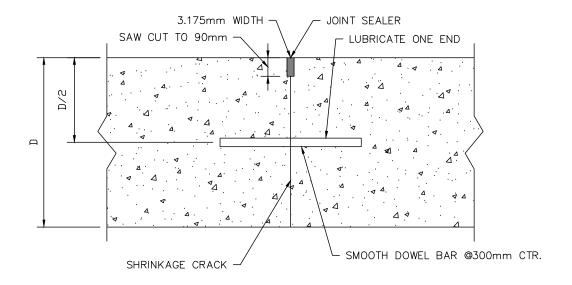
BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS

UNDERGROUND ELECTRICAL CONNECTIONS



## CONCRETE PAVEMENT TYPICAL JOINT ARRANGEMENT



## DOWELED TRANSVERSE JOINT

# City of Saskatoon

NOTES:

- 0.6m LONG

BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS RIGID PAVEMENT TYPICAL JOINT DETAILS CALES : Z0012044-TR-1501

- ALL CONCRETE USED SHALL BE HS OR HSb CEMENT (SULPHATE RESISTANT) AND IN

- AIR ENTERTAINMENT OF 4 TO 7% AND CONCRETE MADE WITH 14 TO 20mm CONCRETE

- A MINIMUM 56 DAY COMPRESSIVE STRENGTH OF 35MPa AND A MAXIMUM

CONCRETE PAVEMENT TYPICAL JOINT ARRANGEMENT SHOWN IN MILLIMETERS

- NEED JOINTS TOOLED AND/OR CUT AT LEAST 90mm DEEP IN CENTER OF THESE

LONGITUDINAL JOINTS ARE DESIGNED WITH TIE BARS TO CONNECT THE SLABS, ALL

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

ACCORDANCE WITH CAN/CSA A23.1-04

DOWELS 30 TO 40mm IN DIAMETER EPOXY-COATED SMOOTH BARS

AGGREGATE IS REQUIRED

- PLACED IN CENTER OF SLAB

DOWELS (FOR 300mm SLAB) HOT POUR SEALANT AFTER (BY OTHERS)

- 300mm OC SPACING

WATER/CEMENT RATIO OF 0.4 IS REQUIRED

RANDOM SPACING BETWEEN 4 TO 6 METERS

TRANSVERSE JOINTS ARE TO BE DOWELED

MORE THAN 18 HOURS AFTER PLACMENT

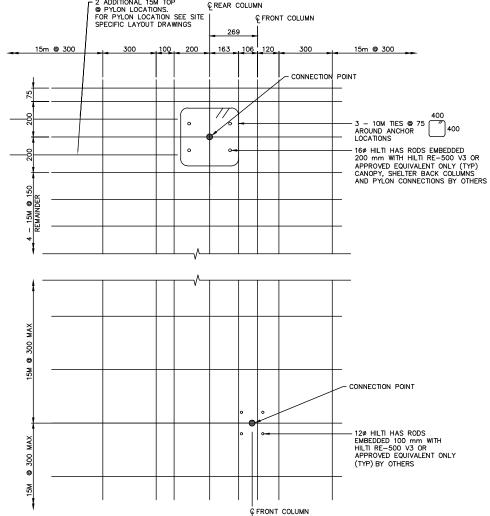
Association of Professional Engineers & Geoscientists of Saskatchewan CERTIFICATE OF AUTHORIZATION
CIMA CANADA
Number C1396

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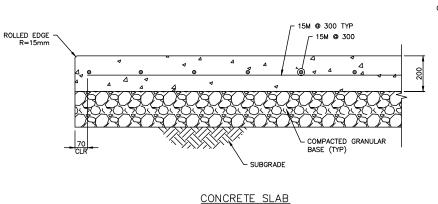
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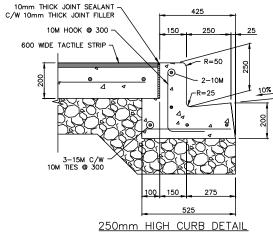
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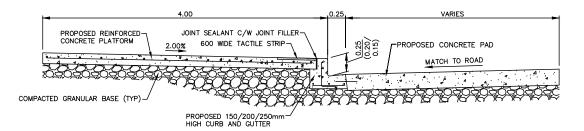
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TYPICAL REINFORCING LAYOUT

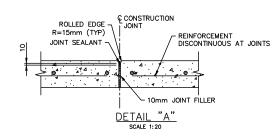






BRT STATION STANDARD PLATFORM CROSS SECTION (4.00m WIDTH @ 0.15m/0.20m/0.25m HEIGHT)

SCALE 1:50



#### SLAB GENERAL NOTES:

- 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.



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BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS

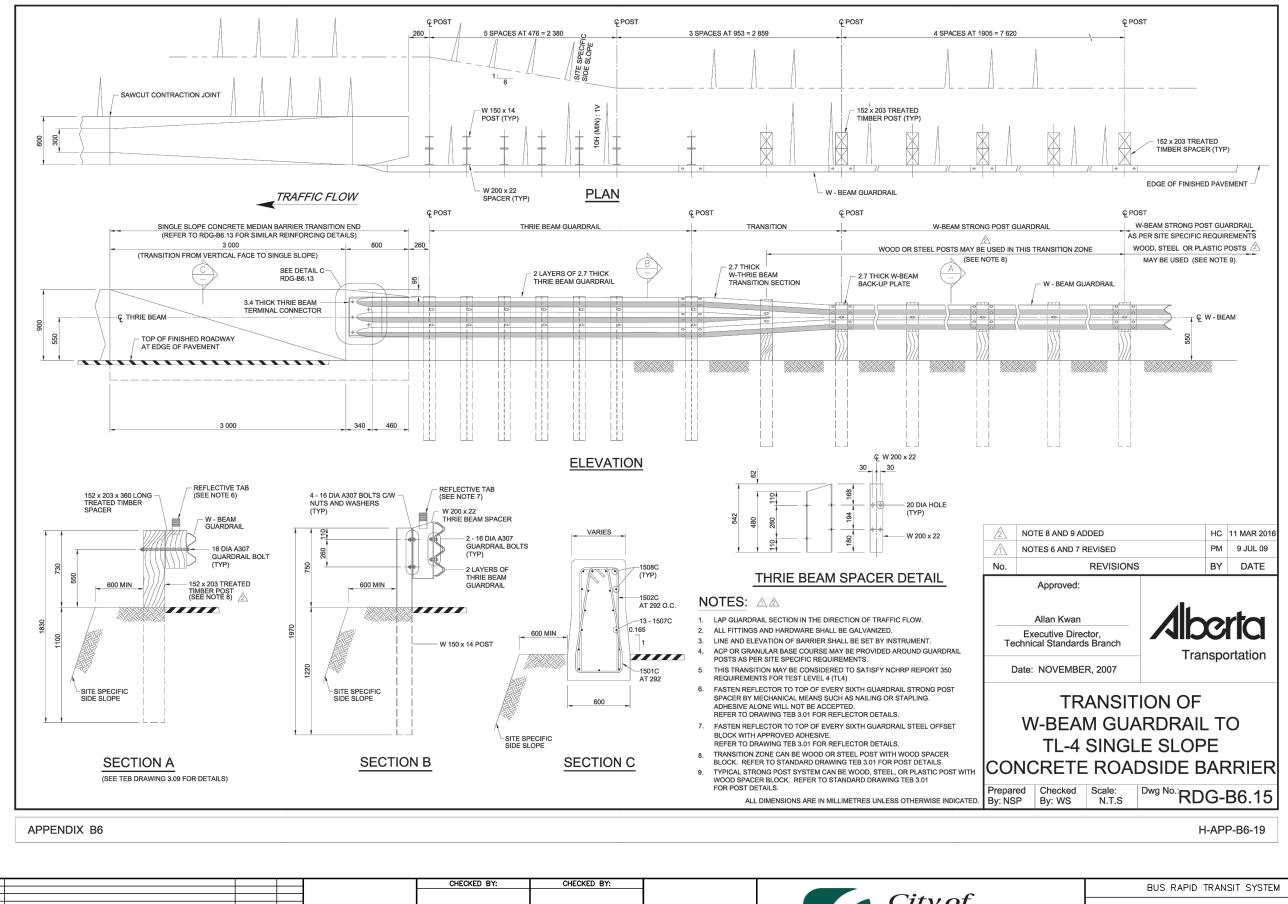
PLATFORM STRUCTURAL DETAILS

PLATFORM STRUCTURAL DETAILS

SHEET NO. PLAN NO.

- Z0012044—TR—1502

NAME: Z0012044—TR-1500-CONTRACT\_1\_DETAILS.DWG PLOT: July 22, 2024 10:36 AM BY: MADI MUKHAN



Association of Professional Engineers & Geoscientists of Saskatchewan Discipline Sk. Reg. No. RANSPORTATION 13420

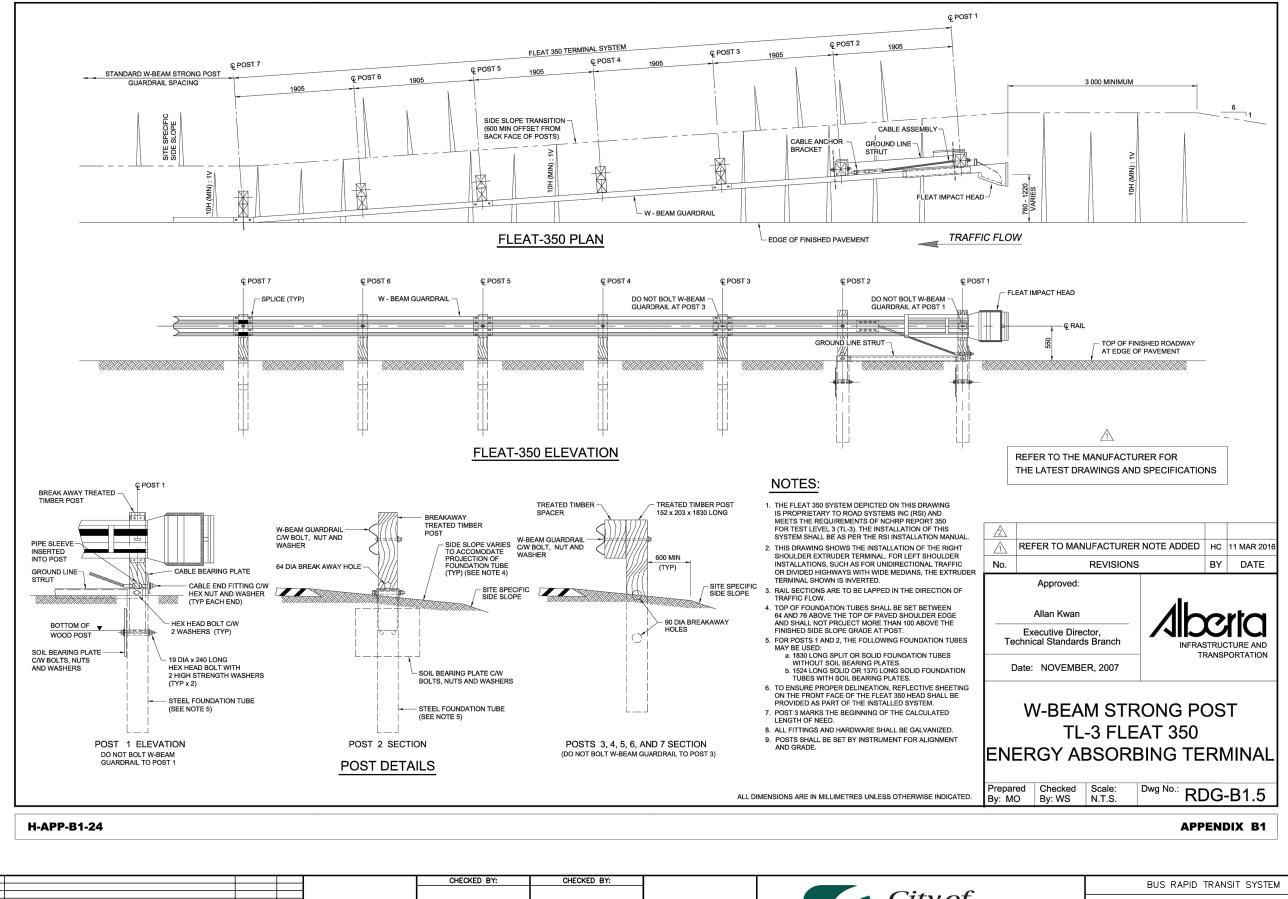
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Transportation



STANDARD DETAILS W-BEAM TO BARRIER TRANSITION

Z0012044-TR-1600



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PLAN DESCRIPTION/REVISION

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Number C1396

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Discipline Sk. Reg. No. Signature
TRANSPORTATION 13420

CIWA+

City of
Saskatoon
Transportation

BUS RAPID TRANSIT SYSTEM

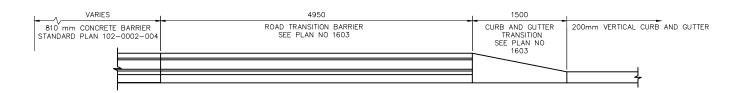
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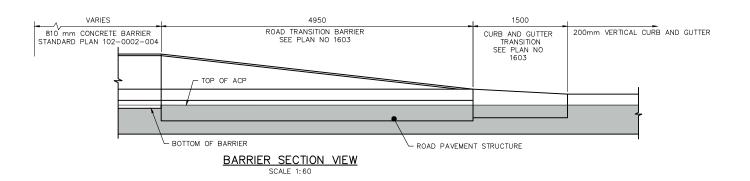
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7 Z0012044—TR—1601



### BARRIER PLAN VIEW

SCALE 1:60





- SEE ROADWAY DRAWING B-R-6000 FOR ROAD CURB & GUTTER DETAILS.
- ALL REINFORCING STEEL SHALL BE GRADE 400R OR 400W; DEFORMED BILLET STEEL BARS CONFORMING TO CSA G30.18, PLAIN FINISH.
- ALL GALVANIZING SHALL MEET THE REQUIREMENTS OF ASTM A123.
- ALL DAMAGED GALVANIZING SHALL BE REPAIRED BY ZINC METALLIZING AS PER ASTM STANDARD A780.
- ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS SPECIFICATIONS D1.1 AND CSA W59.

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BUS RAPID TRANSIT SYSTEM

STANDARD DETAILS

BARRIER TO CURB TRANSITION

SHEET 1 OF 2

| ENGINEER | SCALES : HOR. AS NOTED | DATE | VERT. | SHEET NO. | PLAN NO. | Z0012044-TR-1602

