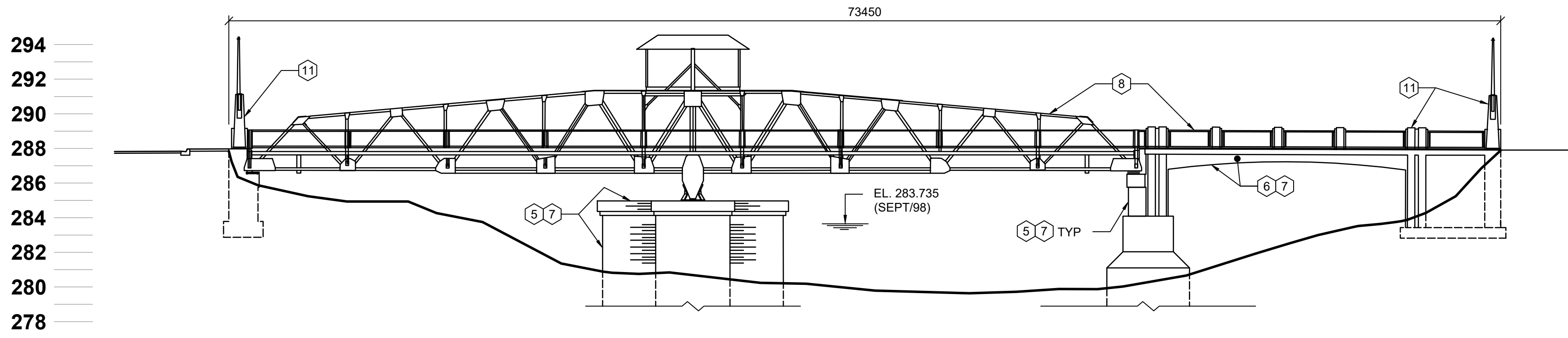
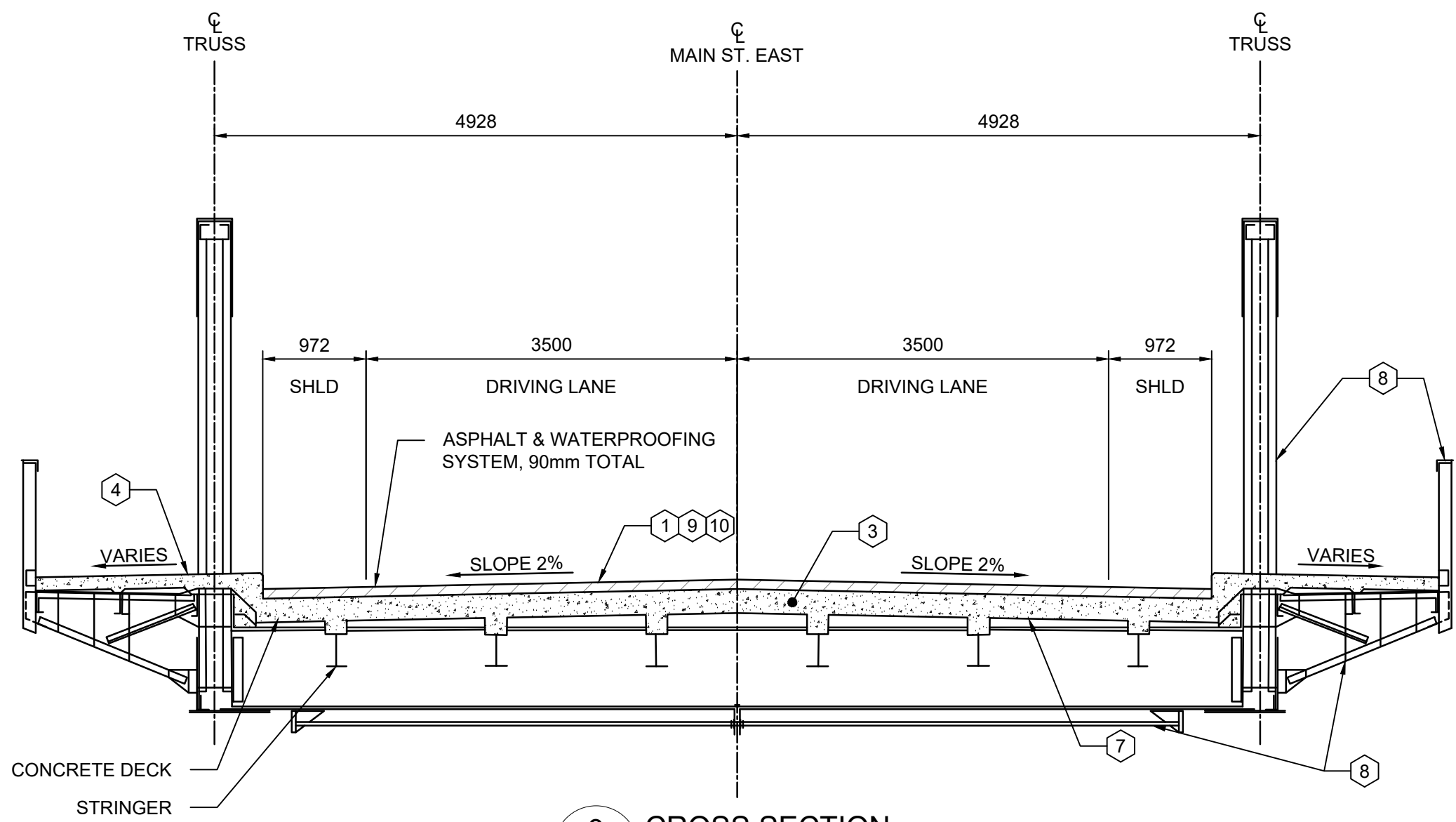


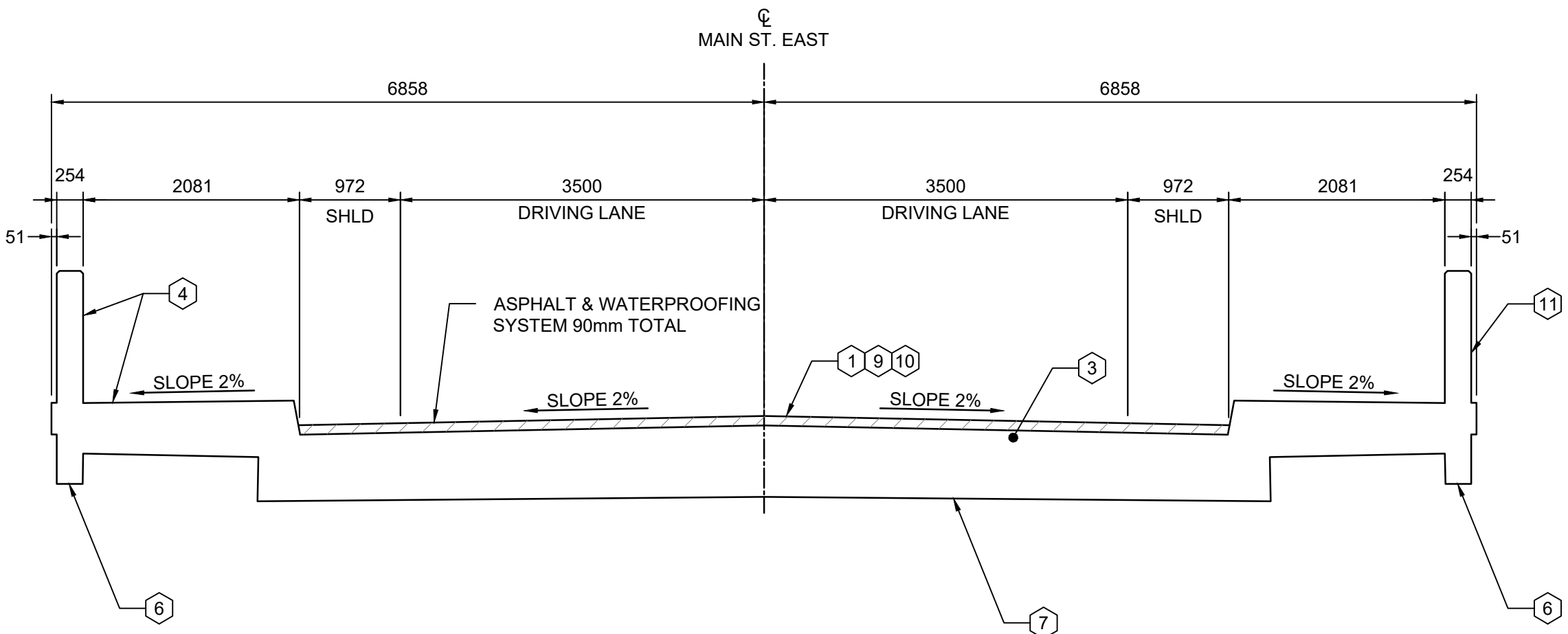
1 PLAN
S201
1:200



2 ELEVATION
S201
1:200



3 CROSS SECTION
S201
1:50



4 CROSS SECTION
S201
1:50

W.P. COORDINATES			
WP. NO.	STATION	NORTH	EAST
1	3+571.63	5020876.39	639857.18
2	3+622.83	5020898.46	639903.39

GENERAL NOTES:

- BRIDGE DESIGN CODE: CHBDC CAN/CSA S6-14 CANADIAN HIGHWAY BRIDGE DESIGN CODE, EXCLUDING THE HISTORICAL PEDESTRIAN RAILING.
- BRIDGE DESIGN LIVE LOAD: CL-625-ONT TRUCK.
- THE BRIDGE SHALL BE CLOSED TO ALL TRAFFIC DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH APPLICABLE FEDERAL, PROVINCIAL AND MUNICIPAL LAWS, ORDERS AND REGULATIONS CONCERNING THE CONTROL AND ABATEMENT OF WATER POLLUTION.
- THE ENVIRONMENTAL PROTECTION SYSTEM SHALL BE SUCH THAT NO WASTE MATERIAL IS ALLOWED TO ENTER ANY WATERCOURSE.
- CLASS OF CONCRETE SHALL BE 30 MPa (ALL COMPONENTS).
- REINFORCING STEEL SHALL BE GRADE 400. BAR SIZES WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
- CLEAR COVER TO REINFORCING STEEL SHALL BE 70 ± 20mm UNLESS OTHERWISE SPECIFIED.
- TENSION LAP LENGTH NOT INDICATED ON THE CONTRACT DRAWINGS SHALL BE CLASS 'B' UNLESS OTHERWISE SPECIFIED.
- BAR HOOKS SHALL HAVE STANDARD HOOK DIMENSIONS USING MINIMUM BEND DIAMETERS, WHILE STIRRUPS AND TIES SHALL HAVE MINIMUM HOOK DIMENSIONS. ALL HOOKS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL STANDARD DRAWINGS SS12-1 AND SS12-2, UNLESS INDICATED OTHERWISE.
- THE COLOR OF TOPCOAT OF ALL STRUCTURAL STEEL COATING INCLUDING TRUSSES AND PEDESTRIAN RAILING SHALL BE 16307 GREY ACCORDING TO FEDERAL STANDARD 595B COLORS.

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND ELEVATIONS OF THE EXISTING STRUCTURE THAT ARE RELEVANT TO THE WORKS SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR AND THE PROPOSED ADJUSTMENT OF THE WORK REQUIRED TO MATCH THE EXISTING STRUCTURE SHALL BE SUBMITTED FOR APPROVAL.
- TYPICAL AREAS OF REPAIR ARE INDICATED ON DRAWINGS. WHERE REPAIR LIMITS ARE NOT SHOWN, THE SHALL BE IDENTIFIED BY THE CONTRACT ADMINISTRATOR.
- PERIMETER OF ALL CONCRETE REMOVALS SHALL BE SAWCUT TO A DEPTH OF 25mm OR TO THE FIRST LAYER OF REINFORCING STEEL, WHICHEVER IS LESS.

SCOPE OF WORK:

- REMOVE EXISTING ASPHALT PAVEMENT AND WATERPROOFING, FULL DEPTH, ENTIRE DECK AND APPROACH SLABS.
- REMOVE EXISTING JOINT SEALS, AND DETERIORATED CONCRETE FROM EXPANSION JOINT END DAMS. ABRASIVE BLAST CLEAN SURFACES AND PATCH REPAIR AREAS WITH NORMAL CONCRETE. INSTALL NEW EXPANSION JOINT SEALS. TYPICAL BOTH ENDS OF TRUSS (WEST) SPAN.
- REMOVE UNSOUND CONCRETE FROM DECK SURFACE, REPLACE HEAVILY CORRODED REINFORCING BARS, IF FOUND, ABRASIVE BLAST CLEAN SURFACES AND PATCH REPAIR AREAS WITH NORMAL CONCRETE.
- REMOVE UNSOUND CONCRETE FROM SIDEWALK AND CONCRETE RAILING POSTS, ABRASIVE BLAST CLEAN AREAS AND FORM AND PATCH REPAIR WITH CONCRETE.
- REMOVE UNSOUND CONCRETE FROM RETAINING WALLS, PIERS AND ABUTMENT FACES, ABRASIVE BLAST CLEAN SURFACES, AND FORM AND PATCH REPAIR WITH CONCRETE.
- REMOVE UNSOUND CONCRETE FROM DECK FASCIA AND SOFFIT, ABRASIVE BLAST CLEAN SURFACES AND FORM AND PUMP CONCRETE REPAIR AREAS.
- EPOXY INJECT REPAIR CRACKS IN DECK SOFFIT, RETAINING WALLS, PIER AND ABUTMENT FACES.
- ABRASIVE BLAST CLEANS ALL STRUCTURAL STEEL INCLUDING TRUSSES, FLOOR BEAMS, STRINGERS, SIDEWALK CANTILEVERS, PEDESTRIAN RAILINGS AND STEEL SUPPORT OF THE BRIDGE MASTERS CABIN, AND RE-COAT WITH NEW STRUCTURAL STEEL COATING SYSTEM.
- WATERPROOF ENTIRE DECK.
- PAVE DECK AND APPROACH SLABS.
- CLEAN SURFACES AND APPLY CONCRETE SEALER ON CONCRETE RAILING POSTS AND LIGHT POST BASES.
- PLACE ROCK PROTECTION AT WEST ABUTMENT, UNDERMINED AREA.

APPLICABLE STANDARD DRAWINGS:

OPSD 3370.100 DECK WATERPROOFING
OPSD 3370.101 DECK WATERPROOFING AT ACTIVE CRACKS

EXP Services Inc.

Infrastructure Services - North Bay
757 Main St. East
North Bay, Ontario, Canada
P1B 1C2
Ph: 705 474 2720
Fax: 705 474 8815

www.exp.com

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GENERAL NOTES:

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F	ISSUED FOR 60% DESIGN REPORT	LR	AUG. 07, 2020
E	ISSUED FOR DESIGN MEETING	LR	JUNE 12, 2020

No.	Revision	By:	Date
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ISSUED FOR 60% DESIGN REPORT

Professional Seal	Professional Seal

Date Printed: August 7, 2020
File Name: NTB-5252 - Existing Conditions
Project Title

THE DISTRICT OF MUSKOKA
Reconstructing Our Legacy Together

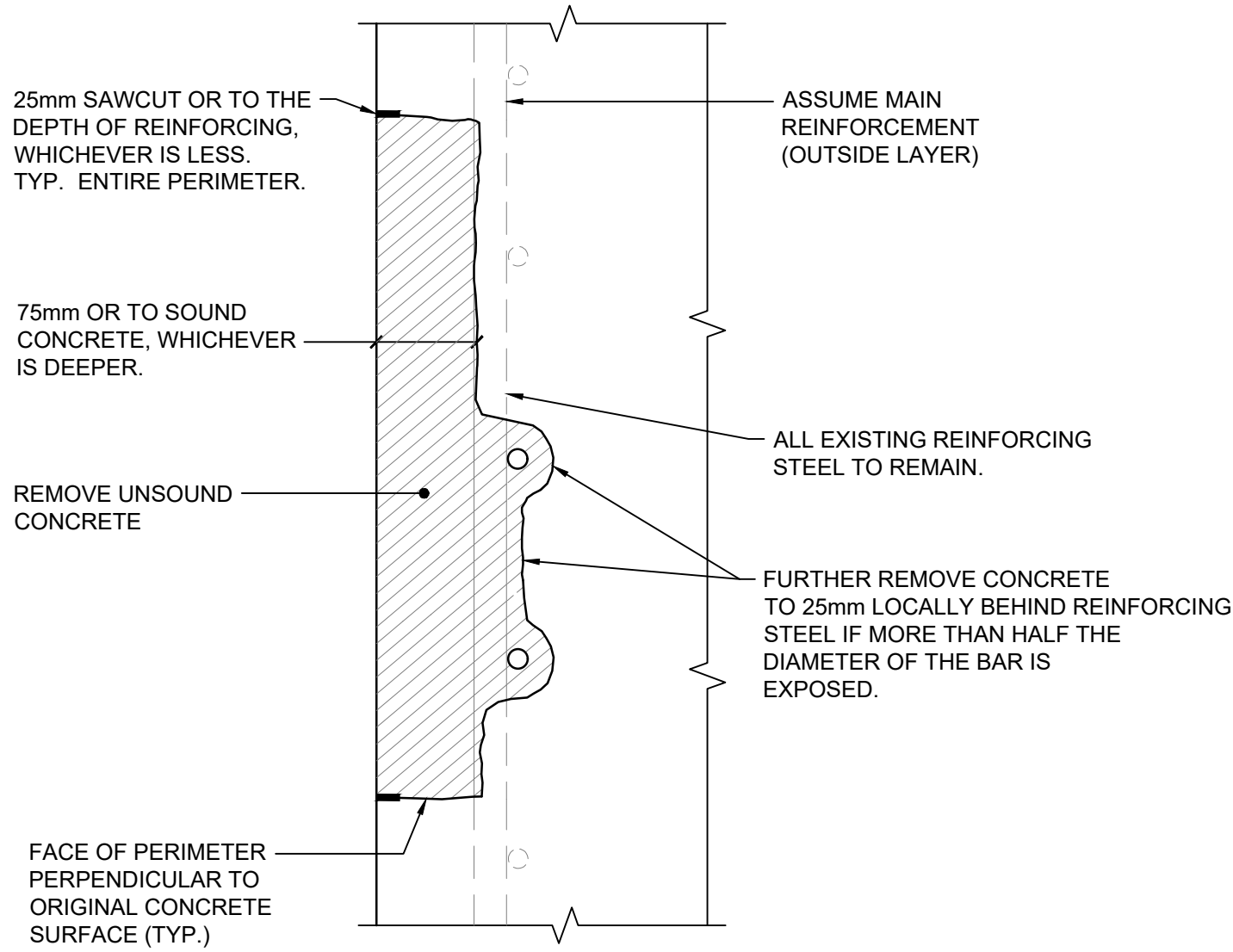
RECONSTRUCTION OF MAIN STREET
(MUSKOKA ROAD 3)
MUSKOKA RIVER BRIDGE REHABILITATION

GENERAL ARRANGEMENT

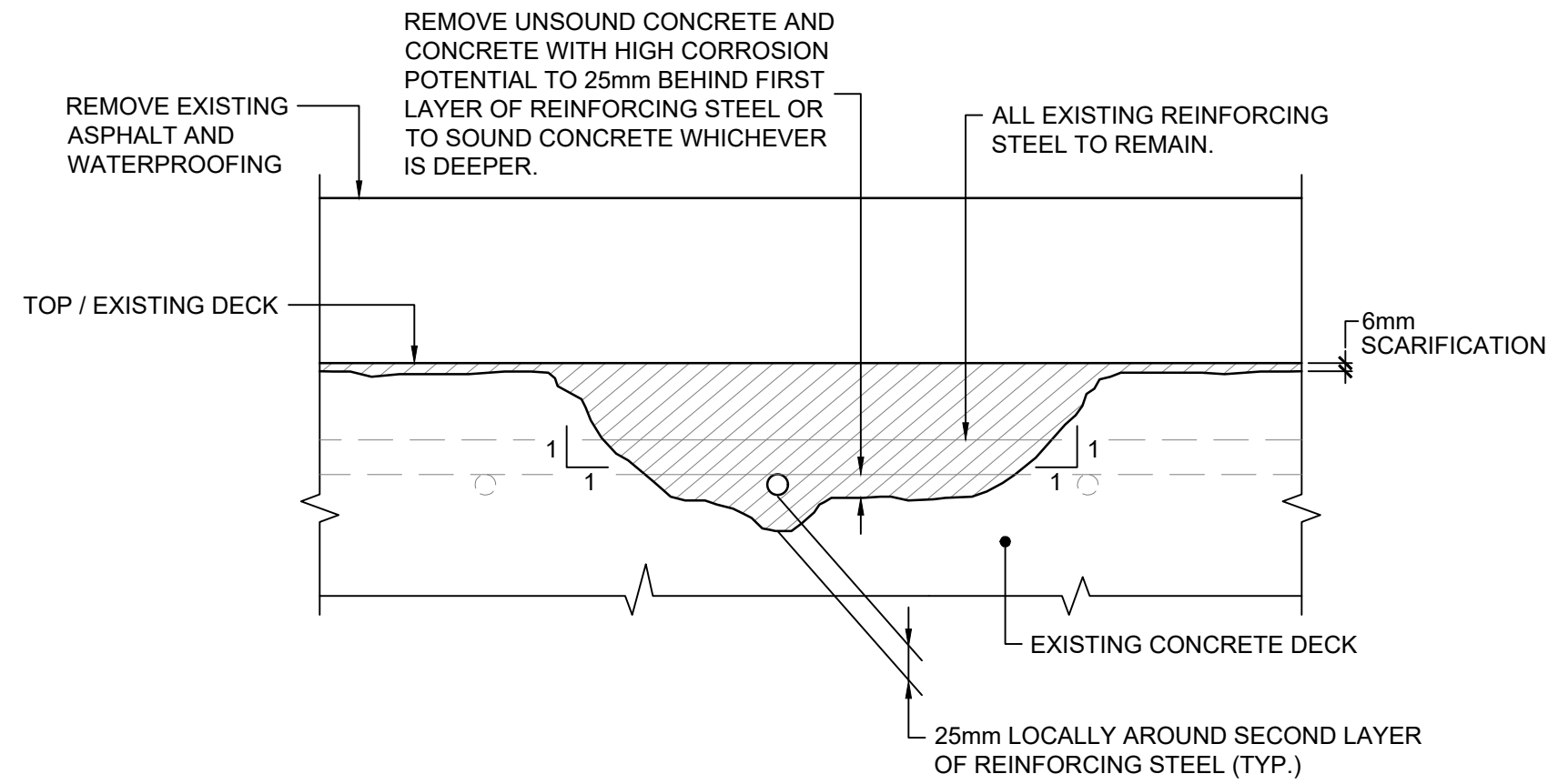
EXP Project No.	DMM Contract No.
NTB-00005252	600-1-C-20

Dwg. No.	Rev. No.
S201	E

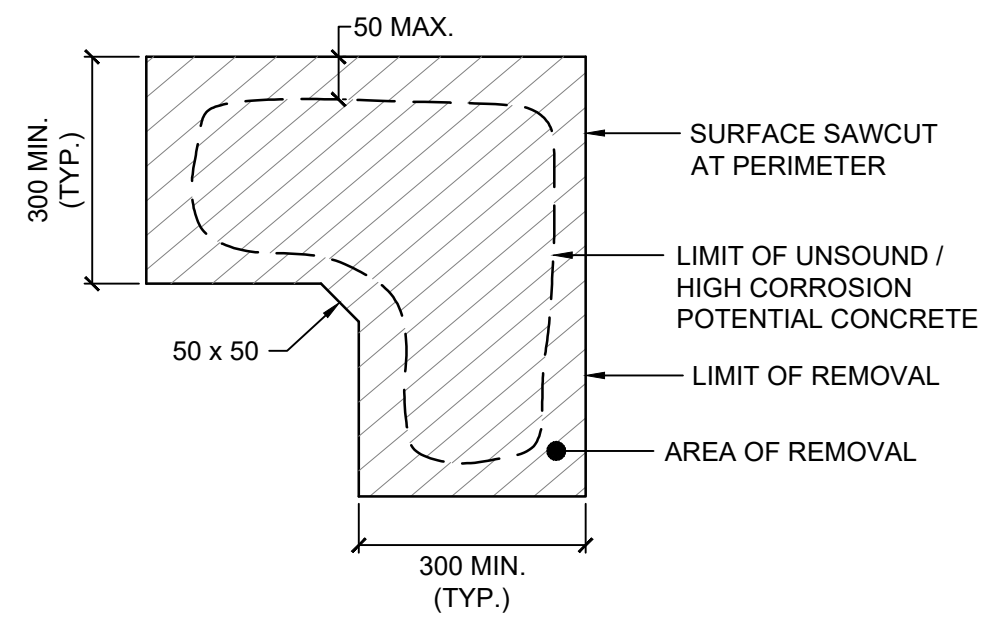
PROJECT BM1 ELEV.			
NORTHING:	T.B.D.	ELEVATION:	T.B.D.
EASTING:	T.B.D.	STATION:	T.B.D.
BM LOCATED T.B.D.			



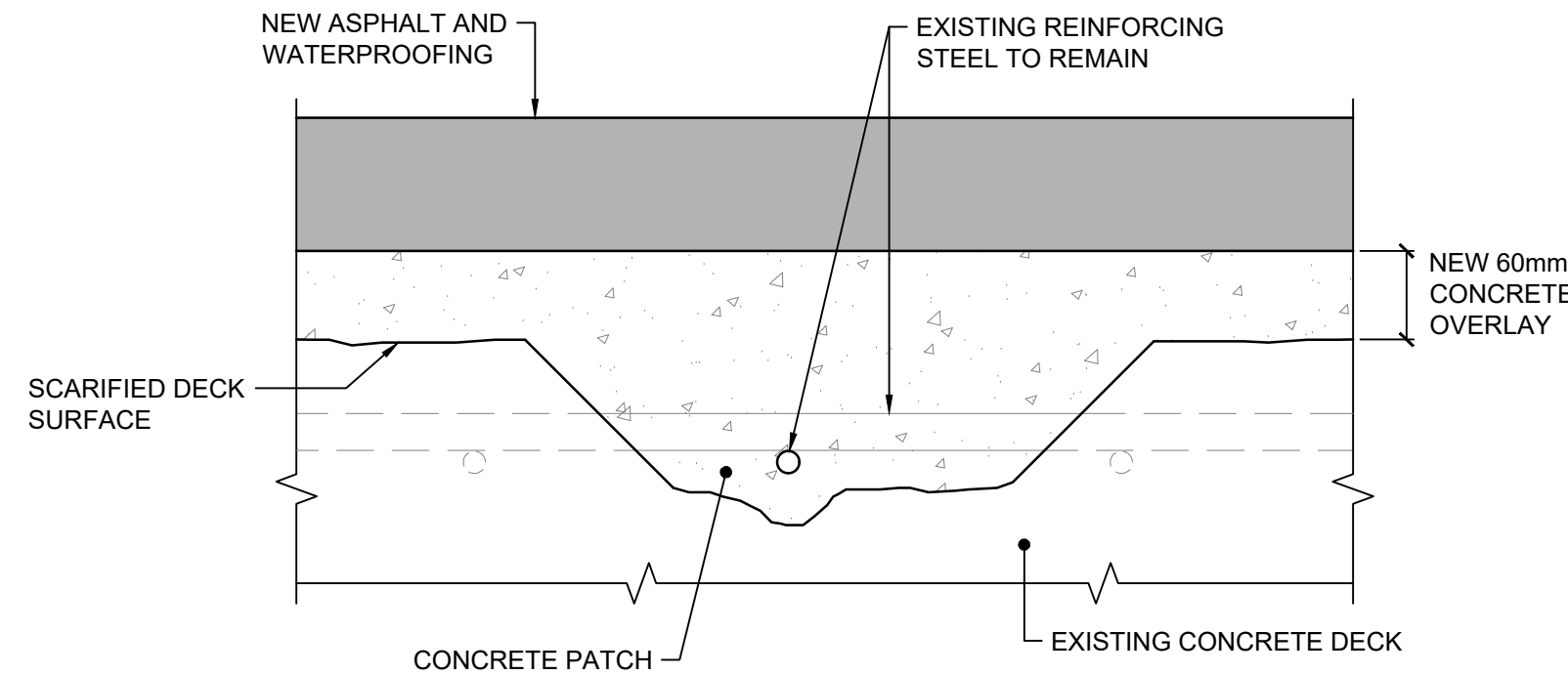
1 VERTICAL REFACING AND PATCHING - REMOVAL
S202 N.T.S.



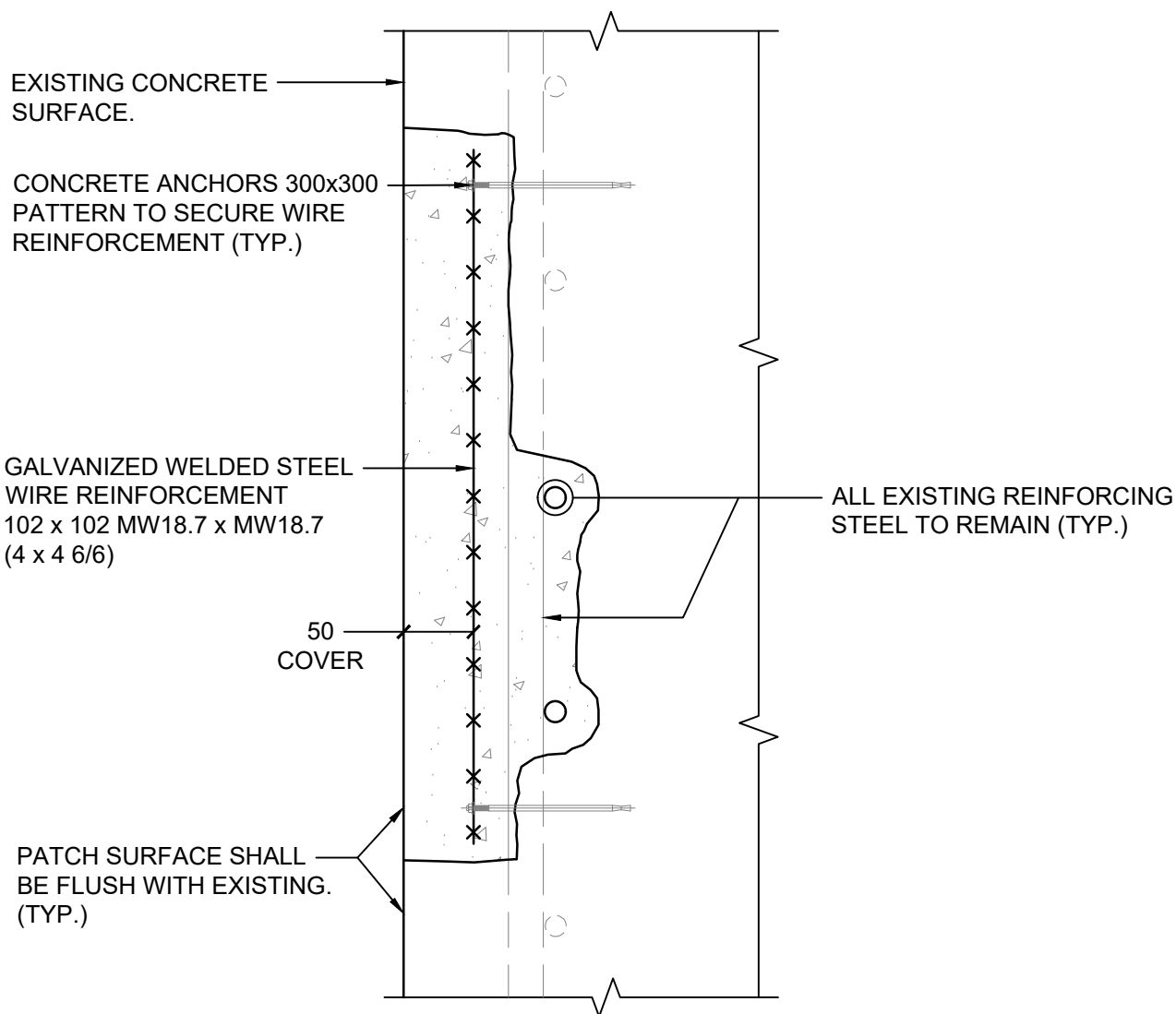
2 DECK SURFACE - REMOVAL
S202 N.T.S.



3 PLAN - REMOVAL LIMITS (APPLICABLE TO ALL SURFACES)
S202 N.T.S.



4 DECK OVERLAY - REHABILITATED (CONCRETE PATCH AND OVERLAY IN THE SAME OPERATION)
S202 N.T.S.



5 VERTICAL REFACING AND PATCHING - REHABILITATED
S202 N.T.S.

EXP Services Inc.

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Fax: 705 474 5515

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F	ISSUED FOR 60% DESIGN REPORT	LR	AUG. 07, 2020
E	ISSUED FOR DESIGN MEETING	LR	JUNE 12, 2020
No.	Revision	By:	Date

ISSUED FOR 60% DESIGN REPORT

Professional Seal	Professional Seal
Drawn By: JDP/CLC	Scale: AS SHOWN
Checked By: CLC/JJD	Date:
Approved By: LR/SH/SW	Date:

Date Printed: August 7, 2020

File Name: NTB-5252 - Existing Conditions

Project Title



RECONSTRUCTION OF MAIN STREET
(MUSKOKA ROAD 3)
MUSKOKA RIVER BRIDGE REHABILITATION

Dwg. Title

CONCRETE REPAIR DETAILS

EXP Project No. NTB-00005252	DMM Contract No. 600-1-C-20
Dwg. No. S202	Rev. No. E

J:\A-2019\INF Projects\NTB-50005252-09 Recon + Streetscaping Main St (Muskoka Road 3)\04 - Design Drawings\Structural