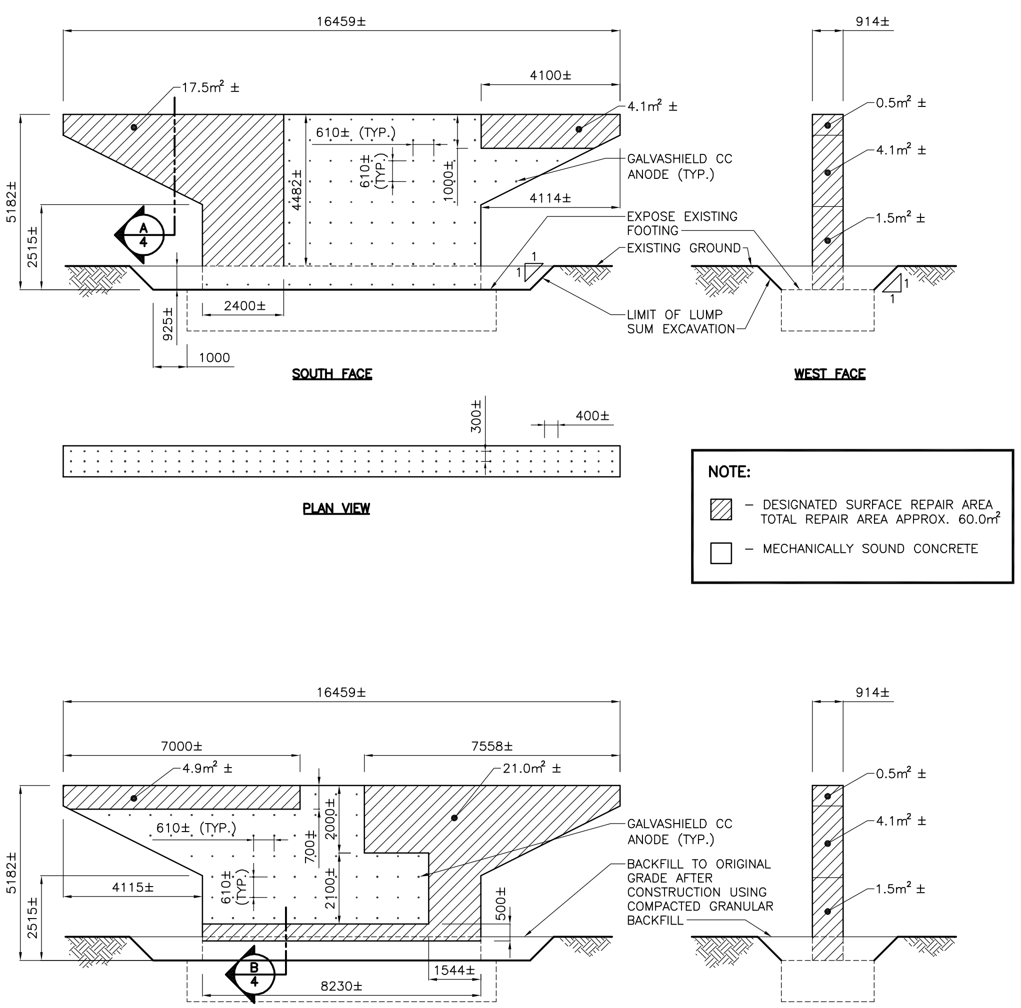
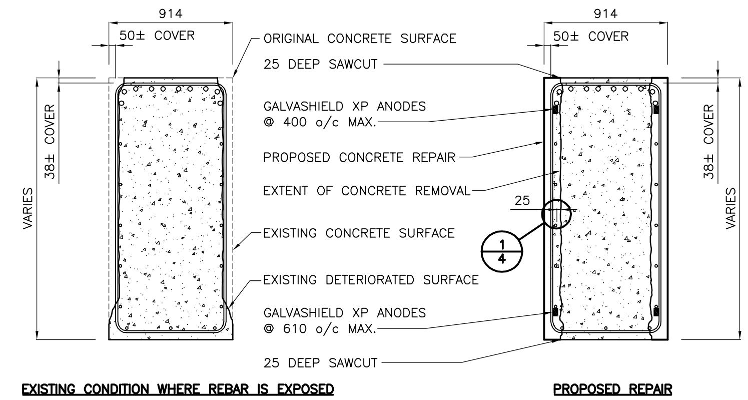
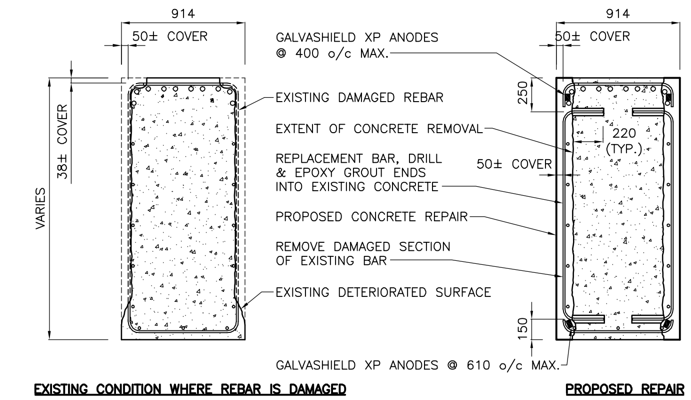


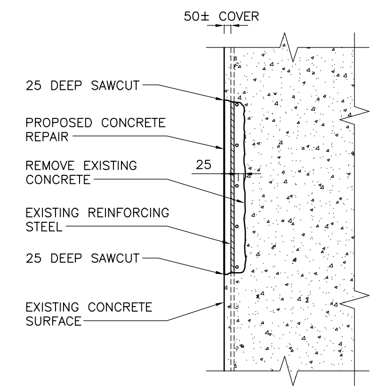
EXISTING PIER No.18

1:100

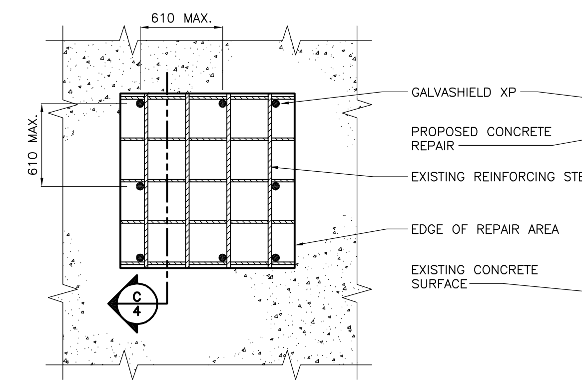




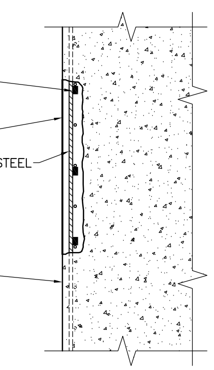
A/4 SECTION (1:25) — A/4 SECTION (1:25)



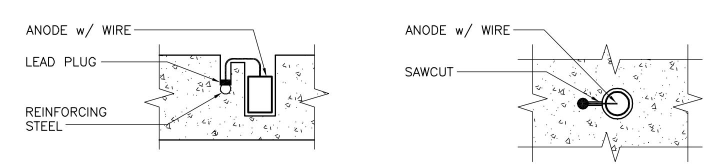
B/4 SECTION AT LOCALIZED SURFACE REPAIR (1:25)



GALVASHIELD XP DETAIL (1:25)

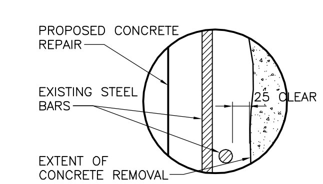


C/4 SECTION (1:25)

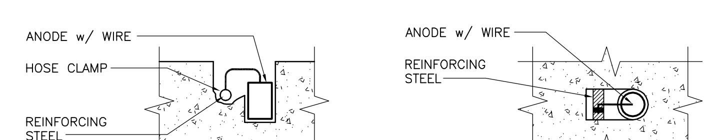


TYPICAL LEAD PLUG REINFORCING CONNECTION

N.T.S.



1/4 DETAIL (1:5)



TYPICAL HOSE CLAMP REINFORCING CONNECTION

N.T.S.

NOTES:

GENERAL

1. REMOVE CONCRETE WITHIN DESIGNATED SURFACE REPAIR AREAS TO MIN. 25mm BEYOND INNERMOST LAYER OF REINFORCEMENT. VERIFY EXTENT OF REPAIR AREAS WITH CONTRACT ADMINISTRATOR ON SITE.
2. DEPENDING UPON THE DEPTH OF CONCRETE REMOVAL, THE CONTRACT ADMINISTRATOR MAY REQUEST TEMPORARY SHORING TO BE DESIGNED AND INSTALLED BY THE CONTRACTOR FOR THE CANTILEVER PORTIONS OF THE PIER.
3. FILL IN EXISTING CORE HOLES WITH NON–SHRINK GROUT.
4. LOCATIONS AND CLEAR COVER OF EXISTING REINFORCING STEEL AREA APPROXIMATE ONLY, BASED ON ORIGINAL BRIDGE DRAWINGS. THE CONTRACTOR SHALL DETERMINE ACTUAL REINFORCING STEEL GEOMETRY ON SITE.
5. DO NOT DE–BOND TOP LONGITUDINAL BARS UNLESS APPROVED BY THE CONTRACT ADMINISTRATOR.
6. AFTER REPAIRS AND ANODE INSTALLATIONS ARE COMPLETE, ALL PIER SURFACES SHALL RECEIVE PIGMENTED CONCRETE SEALER.

EMBEDDED ANODE INSTALLATION IN MECHANICALLY SOUND CONCRETE:

1. ANODES SHALL BE GALVASHIELD CC OR EQUIVALENT.
2. DRILL OR CHIP HOLE FOR REINFORCING STEEL CONNECTION.
3. DRILL HOLE FOR ANODE PLACEMENT.
4. MAKE SAWCUT FOR WIRE CONNECTION AS REQUIRED.
5. CONNECT WIRE LEAD TO REINFORCING WITH HOSE CLAMP OR EXPANSION SET LEAD PLUG.
6. ENSURE ALL CONNECTIONS OF DISSIMILAR METALS ARE COATED WITH SILICONE TO PREVENT CORROSION.
7. INSTALL ANODE AND GROUT HOLES AND SAWCUT.

EMBEDDED ANODE INSTALLATION FOR CONCRETE SURFACE REPAIRS:

1. ANODES SHALL BE GALVASHIELD XP OR EQUIVALENT.
2. REPLACE / CLEAN CORRODED REINFORCING STEEL.
3. ENSURE ALL EXPOSED REINFORCING STEEL IS SECURELY FASTENED TOGETHER WITH TIE WIRE TO PROVIDE GOOD CONTINUITY.
4. ATTACH GALVASHIELD XP ANODES TO CLEAN REINFORCING STEEL AT SPACING OUTLINED IN CONTRACT SPECIFICATION (MAX. 610, EXCEPT TOP SURFACE OF PIER AND SIDE FACES WITHIN 300mm OF TOP SPACE AT MAX. 400mm).
5. FILL IN REPAIR AREA WITH CONCRETE AS PER CONTRACT SPECIFICATION.

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
2	ISSUED FOR TENDER & CONSTRUCTION	04.04.10	
1	ISSUED FOR CLIENT REVIEW	04.02.27	M.J.B.

Stantec Consulting Ltd.
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Tel 204–489–5900 Fax 204–453–9012

DESIGNED BY	K.S.B.	CHECKED BY	M.J.B.
DRAWN BY	J.M.B.	APPROVED BY	M.J.B.
HOR. SCALE: VERTICAL:	AS SHOWN	ACCEPTED BY	
DATE	MAY, 2004	DATE	

ENGINEER'S SEAL

ORIGINAL SEALED BY M.J.BOISSONNEAULT P. ENG. 04/05/11

CONSULTANT DRAWING NO. COW–7–615

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

DISRAELI OVERPASS

SUBSTRUCTURE REHABILITATION

PIER 18 REHABILITATION WORKS

SHEET 4 OF 4

CAD FILE DRAWING NUMBER COW–7–615

CITY DRAWING NUMBER B112–04–07