



- BEAM END SPALL REPAIRS - CONSTRUCTION PROCEDURE NOTES:**
- CLEAN EXPOSED BEAM ENDS, SIDES, AND BOTTOMS BY SANDBLASTING TO REMOVE OLD COATINGS AND SURFACE CONTAMINANTS EXPOSING THE FINE AGGREGATE TO SCP 5-7.
  - TYPICAL BEAM END SPALLS FOR TOP, BOTTOM CORNER AND ABOVE BEARING PLATE P-3 AND P-6 REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
  - BEAMS WITH EXISTING GROUT PATCHES OR CRACKS SHALL BE SOUNDED AND DETERIORATED MATERIAL REMOVED. PRIOR TO JACKING, IF NEW BEAM SPALLS OR FURTHER BEAM END DETERIORATION IS OBSERVED, INFORM THE CONTRACT ADMINISTRATOR IMMEDIATELY. ANY WORK DEEMED AN EXTRA BY THE CONTRACT ADMINISTRATOR SHALL BE DEEMED EXTRA WORK AND PAID FOR ON A UNIT BASIS IN ACCORDANCE WITH THE SPECIFICATIONS.
  - BEAM END SPALL REPAIRS SHALL FOLLOW THE INSTALLATION OF THE NEW BEARING PLATES AND BEARING PADS. THE EXPOSED SPALLS SHALL BE PATCHED WITH SPECIFIED VERTICAL NON-SAG REPAIR MORTAR. THIS REPAIR MORTAR DOES NOT REQUIRE FORMING AND SHALL BE MIXED, APPLIED AND CURED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

- BEARING BLOCKING CONSTRUCTION PROCEDURE NOTES:**
- REFER TO SHEET 12 FOR CONCRETE FOOTING SUPPORT REPAIR DETAILS AND CONSTRUCTION PROCEDURES.
  - ONCE CONCRETE HAS CURED FOR A MINIMUM OF SEVEN (7) DAYS, INSTALL BEARING PAD, NEW BEARING PLATE AND BLOCKING.

BILL OF BEAM SPALL REPAIRS (QUANTITIES) FOR STAGE 1, AREA A AND C							
LOC'N	BOTTOM REPAIR	TOP REPAIR	ABOVE BEARING P-3 & P-6	LOC'N	BOTTOM REPAIR	TOP REPAIR	ABOVE BEARING P-3 & P-6
B2	1	-	-	D5	-	1	1
D2	1	-	-	F5	-	-	1
F2	-	-	1	G6	3	-	-
G2	-	2	-	H6	-	-	3
J2	-	-	1				
K2	-	-	1				
C3	-	-	1	C7	-	-	1
F3	-	-	2	E7	-	-	1
G3	2	1	-	F7	-	-	1
H3	-	1	-	H7	-	-	1
L3	-	-	2	L7	-	-	2
M3	-	-	1				
				C8	-	-	1
				D8	-	-	3
B4	-	-	2	G8	2	1	-
C4	-	-	3	M8	-	-	2
F4	-	-	3				
G4	4	-	-				
H4	-	-	2				
M4	-	-	1				

BILL OF BEAM SPALL REPAIRS (QUANTITIES) FOR STAGE 2, AREA B AND D							
LOC'N	BOTTOM REPAIR	TOP REPAIR	ABOVE BEARING P-3 & P-6	LOC'N	BOTTOM REPAIR	TOP REPAIR	ABOVE BEARING P-3 & P-6
C10	-	-	2	E15	1	-	-
D10	-	-	2	G15	-	-	2
E10	-	-	2	M15	-	-	1
G10	4	-	-	N15	1	-	-
J10	-	-	3				
				D16	-	-	2
C11	-	-	2	G16	2	-	-
D11	-	-	2	H16	-	-	1
G11	4	-	-	M16	-	-	2
L11	-	-	1				
				C17	-	-	2
E12	-	-	1	F17	-	-	1
L12	-	-	1	G17	2	-	-
				K17	-	-	1
F13	-	-	2	L17	-	-	1
G13	3	-	-				
L13	-	-	1	C18	-	1	-
M13	-	1	-	D18	-	-	1
				E18	-	-	1
				G18	2	-	-
				H18	-	-	1

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
Dillon Consulting Limited (MB)  
No. 1789 Date: 2015-11-20

LOCATION APPROVED  
UNDERGROUND STRUCTURES  
N/A  
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.		CONSTRUCTION COMPLETION DATE:	
3	ISSUED FOR ADDENDUM No.3	2015 12 15	SSR
2	ISSUED FOR ADDENDUM No.2	2015 12 10	SSR
1	ISSUED FOR TENDER	2015 11 20	SSR
NO.	REVISIONS	DATE	BY

CHECKED BY: DRA  
APPROVED BY: SSR  
DESIGNED BY: FAK  
DRAWN BY: TLK  
SCALE: AS NOTED  
DATE: 2015 11 20

**DILLON CONSULTING**

ENGINEER'S SEAL  
RELEASED FOR CONSTRUCTION  
DATE: 2015 11 20

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION  
WILKES RESERVOIR NORTH CELL REHABILITATION  
CONCRETE REPAIRS  
SECTIONS AND DETAILS, SHEET 2 OF 2  
CONSTRUCTION PROCEDURE NOTES  
CONSULTANT DRAWING NUMBER: 14-1411-S-105  
SHEET 13 OF 47  
CITY DRAWING NUMBER: 1-0650R-S0005-002