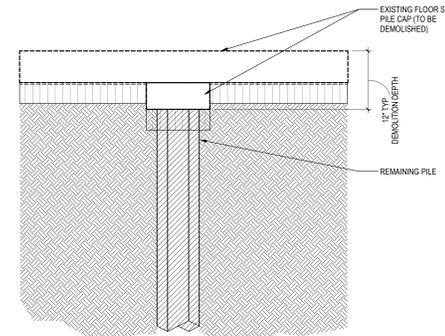
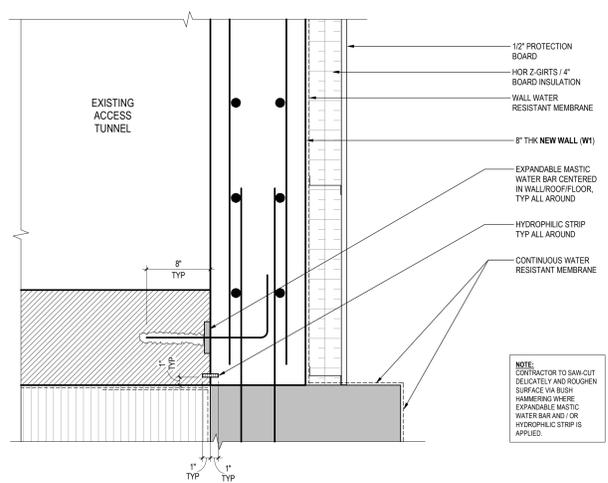


1 SECTION DETAIL @ TUNNEL END CAP
 S6 1/2" = 1'-0"



3 TYP PILE DEMOLITION SECTION
 S6 1/2" = 1'-0"



2 SECTION DETAIL @ PILE CAP
 S6 1 1/2" = 1'-0"



TABLE D.1
 READ IN CONJUNCTION WITH DESIGN NOTES SECTION D. CAST-IN-PLACE CONCRETE

CONTROLLED CONCRETE					
CONCRETE LOCATION	MAX. AGG. SIZE	DESIGN STRENGTH	EXPOSURE CLASS	AIR CONTENT	CEMENT TYPE
PILE CAPS	20 mm	35 MPa	S-1	4.7%	HS
RETAINING WALLS	20 mm	35 MPa	S-1	4.7%	HS

TABLE D.2
 READ IN CONJUNCTION WITH DESIGN NOTES SECTION D. CAST-IN-PLACE CONCRETE

CONCRETE COVER TO REINFORCEMENT	
LOCATION	COVER
GRADE BEAMS / WALLS - EXTERIOR - BARS GREATER THAN 25M	50 mm (2")

TABLE D.3
 READ IN CONJUNCTION WITH DESIGN NOTES SECTION D. CAST-IN-PLACE CONCRETE

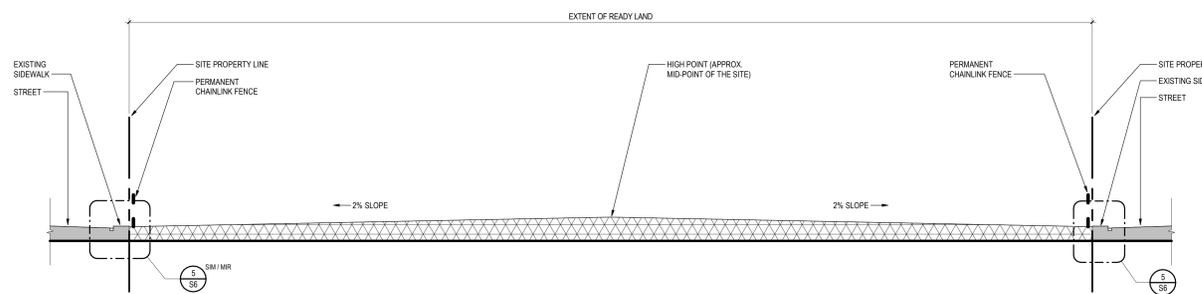
BAR SIZE	REINFORCEMENT GRADE (MPa)	COMPRESSION EMBEDMENT (BASED ON CONCRETE STRENGTH MPa)		REGULAR TENSION EMBEDMENT (BASED ON CONCRETE STRENGTH MPa)		
		25 MPa	30 MPa AND OVER	25 MPa	30 MPa	35 MPa
10M	400	8.27(32")	7.7(8")	11.13(16")	11.13(16")	11.13(16")
15M	400	11.13(16")	10.13(16")	11.13(16")	11.13(16")	11.13(16")
20M	400	11.13(16")	11.13(16")	11.13(16")	11.13(16")	11.13(16")
25M	400	11.13(16")	11.13(16")	11.13(16")	11.13(16")	11.13(16")
30M	400	11.13(16")	11.13(16")	11.13(16")	11.13(16")	11.13(16")
35M	400	11.13(16")	11.13(16")	11.13(16")	11.13(16")	11.13(16")

NOTE:
 NOTE 1: TOP EMBEDMENT VALUES ARE 1.3 TIMES REGULAR EMBEDMENT VALUES. TOP EMBEDMENT APPLIES TO HORIZONTAL REINFORCEMENT CAST WITHIN 300mm OR MORE OF CONCRETE BELOW THE BAR.
 NOTE 2: FOR EPOXY REINFORCEMENT INCREASE THESE LENGTHS BY 1.5. INCREASE THESE LENGTHS BY 1.7 FOR EPOXY COATED TOP REINFORCEMENT.

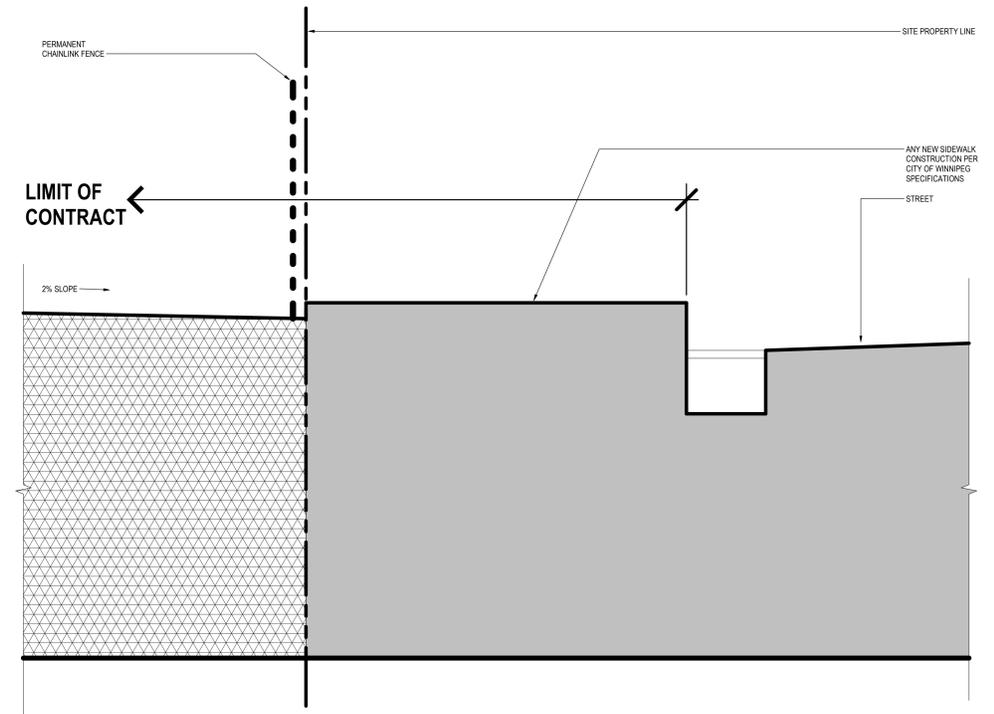
TABLE D.4
 READ IN CONJUNCTION WITH DESIGN NOTES SECTION D. CAST-IN-PLACE CONCRETE

BAR SIZE	REINFORCEMENT SPLICES (UNLESS NOTED OTHERWISE)	
	FULL TENSION SPLICE	FULL TENSION SPLICE FOR TOP BARS *
10M	1'-3.34"	1'-7.11(16")
15M	1'-4.13(22")	2'-1.13(22")
20M	2'-3.91(16")	2'-11.71(16")
25M	3'-7.51(16")	4'-7.11(16")
30M	4'-3.31(16")	5'-5.15(16")
35M	5'-1.13(22")	6'-6.34(22")

NOTE:
 NOTE 1: TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 300mm OF CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
 NOTE 2: APPLIES TO REINFORCEMENT SPLICES NOT OTHERWISE DETAILED.
 NOTE 3: LAP SPLICE SCHEDULE IS FOR CALL B SPLICE LINO.
 NOTE 4: FOR STANDARD EMBEDMENT DEPTH INTO CONCRETE DIVIDE TENSION LAP SPLICE NUMBERS BY 1.3.
 NOTE 5: FOR EPOXY REINFORCEMENT INCREASE THESE LENGTHS BY 1.5. INCREASE THESE LENGTHS BY 1.7 FOR EPOXY COATED TOP REINFORCEMENT.



4 SECTION THROUGH READY LANDS
 S6 1/16" = 1'-0"



5 TYP SECTION - LIMIT OF CONTRACT
 S6 1 1/2" = 1'-0"

ORIGINAL STAMPED BY: FIRST, LAST, XXXX
 DATE: YEAR.MM.DD

No.	REVISION/DESCRIPTION	BY	DATE

DRAWN	UT	CHECKED	MY	DESIGNED	DA	APPROVED	JC
DATE: 2016-04-29							

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 Readying the Lands at 151 & 171 Princess Street
 for Redevelopment Opportunity

TENDER NO. 230-2016B
 151-171 Princess Street, Winnipeg, Manitoba

SHEET TITLE
 PROPOSED DETAILS