

PILE PLAN
SCALE: 1:200

NOTE: REFER TO SHEET PILE WALL DRAWING FOR SU1 AND SU10 DETAILS.

BRIDGE FOUNDATION LAYOUT

SUBSTRUCTURE	BRIDGE CONTROL LINE	STATION	O/S	NORTHING	EASTING
SU1	BCL 1	2+119.437	0.000	9750.7897	10003.1278
SU2	BCL 1	2+123.567	0.000	9754.6800	10001.8002
SU3	BCL 1	2+133.931	0.195	9764.1084	9997.4831
SU4	BCL 1	2+145.223	0.038	9773.1333	9990.6899
SU5	BCL 1	2+156.961	0.227	9783.0560	9984.4166
SU6	BCL 1	2+168.699	0.227	9794.3780	9981.2238
SU7 - W PILE	BCL 1	2+180.548	0.337	9806.2671	9981.1083
SU7 - E PILE	BCL 1	2+179.570	2.448	9804.9711	9983.7507
SU8 - W PILE	BCL 1	2+193.761	0.384	9818.9944	9984.8690
SU8 - E PILE	BCL 2	3+193.040	3.018	9818.9944	9984.8690
SU8 - W PILE	BCL 1	2+193.724	2.632	9817.6664	9987.5766
SU8 - E PILE	BCL 2	3+193.883	0.129	9817.6664	9987.5766
SU9	BCL 2	3+206.914	0.000	9826.0405	9997.5465
SU10	BCL 2	3+210.414	0.000	9827.9311	10000.4918

NOTE: STATIONS FOR SU1 AND SU2 NORTHING AND EASTING ARE PROVIDED AT INTERSECTION OF CL BRIDGE CONTROL LINE AND CL SHEET PILE WALL

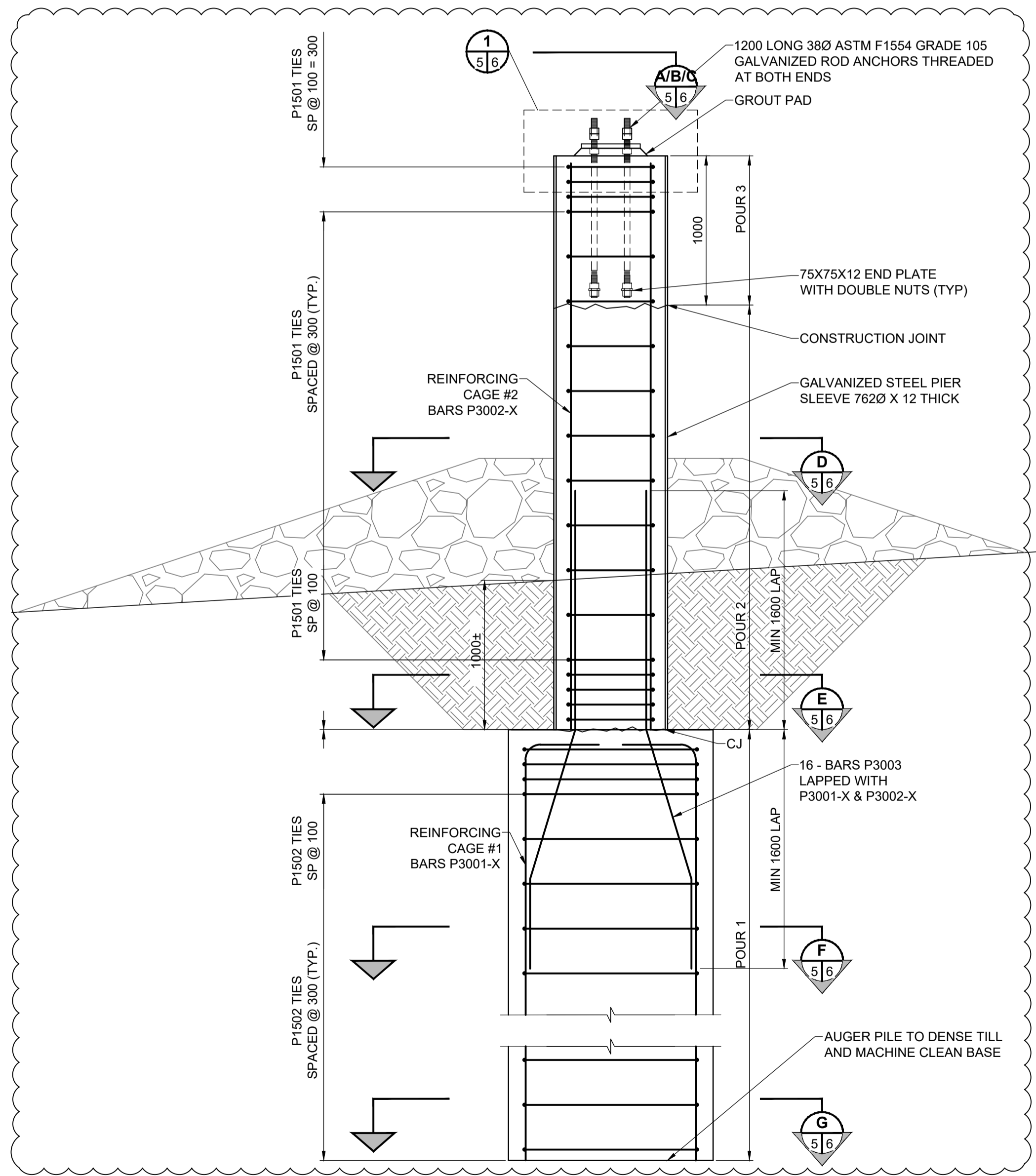
PIER STAGING NOTES:

PIER STAGING - SU3, SU4, SU5, SU6, SU7 & SU8
REFER ALSO TO SECTION A ON DRAWING No. 06

1. AUGER PILE HOLES
2. INSTALL REBAR CAGE #1
3. POUR CONCRETE TO POUR LOCATION 1 AND CURE
4. PLACE STEEL SLEEVE AND REBAR CAGE #2
5. POUR CONCRETE TO BASE OF POUR #3 AND CURE
6. IMMEDIATELY PRIOR TO SUPERSTRUCTURE FRAMING ERECTION, SET ANCHOR BOLTS AT PRECISE LOCATION REQUIRED, PERFORM POUR #3 AND CURE
7. INSTALL PIER CAP BASE PLATE AND GROUT PAD

PIER STAGING - SU2 & SU9
REFER ALSO TO SECTION A ON DRAWING No. 06 AND DWEL DETAILS ON DRAWING No. 07

1. AUGER PILE HOLES
2. INSTALL REBAR CAGE #1
3. POUR CONCRETE TO POUR LOCATION 1 AND CURE
4. PLACE STEEL SLEEVE, REBAR CAGE #2 AND REBAR DOWELS
5. POUR CONCRETE TO TOP OF PILE AND CURE
6. INSTALL ABUTMENT SEAT FORMWORK
7. INSTALL ABUTMENT SEAT REBAR
8. POUR ABUTMENT SEAT CONCRETE AND CURE
9. DRILL HOLES FOR BEARING ANCHOR RODS
10. INSTALL ANCHOR RODS WITH LOW SHRINK GROUT AND CURE
11. INSTALL AND SET GIRDER BEARING PADS
12. INSTALL AND SET ABUTMENT SEAT STRIP BEARINGS



SECTION - TYPICAL PIER
SCALE: 1:25

- NOTES:**
1. PERMANENT GALVANIZED PIER SLEEVE TO EXTEND ±1000 BELOW EXISTING GROUND TYP.
 2. LONGITUDINAL PIER REINFORCING BARS Mk. P3001-X & P3002-X, X IS SU#, EAST OR WEST WHERE APPLICABLE SEE BILL OF REINFORCING STEEL.
 3. PIERS SU2 AND SU9 DO NOT HAVE ANCHOR RODS, BUT INSTEAD HAVE DOWELS PROJECTING UPWARDS. REFER TO DRAWING No. 07.
 4. POUR #3 IS NOT REQUIRED FOR PIER SU2 AND PIER SU9.
 5. SU3-SU6 BASE PLATE SHOWN. CONTRACTOR TO PLACE DOWELS FROM POUR 1 TO 2 WITH UNDERSTANDING FINAL PIER SHAFT LOCATION
 - 6.

PILE & STEEL SLEEVE LENGTHS

SUBSTRUCTURE	STEEL SLEEVE LENGTH (m)	POUR 1 LENGTH (m)	POUR 2 LENGTH (m)	POUR 3 LENGTH (m)	PILE LENGTH (m)
SU2	2	13.3	2	-	15.3
SU3	3	13.1	2	1	16.1
SU4	4.6	11.6	3.6	1	16.2
SU5	5.1	11.3	4.1	1	16.4
SU6	4.6	11.6	3.6	1	16.2
SU7 - W PILE	4.8	11.3	3.8	1	16.1
SU7 - E PILE	4.8	11.3	3.8	1	16.1
SU8 - W PILE	5	11	4	1	16
SU8 - E PILE	5	11	4	1	16
SU9	2.8	12.3	2.8	-	15.1

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. 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.

NO.	ISSUED FOR	DATE	BY
1	ISSUED FOR ADDENDUM 1	17/10/27	DAN
0	ISSUED FOR TENDER	17/10/13	DAN
REVISIONS			
YYMMDD	BY	DATE	17/10/13

MORRISON HERSHFIELD

DESIGNED BY: AG
CHECKED BY: AF
DRAWN BY: AH
APPROVED BY: BE

RELEASED FOR CONSTRUCTION

HOR SCALE: AS SHOWN
VERT SCALE: AS SHOWN

DATE: 17/10/13

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA

A. FATHI
Member
41159

REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
5170563 - DD05&06 - FT.dwg

BID OPPORTUNITY No. 754-2017

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TACHE PROMENADE TREETOP LOOKOUT

FOUNDATIONS 1

CITY DRAWING NUMBER B250-17-31	SHEET OF 31 70
DRAWING No.	REV
05	

ENGINEERS GEOSCIENTISTS MANITOBA

Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES