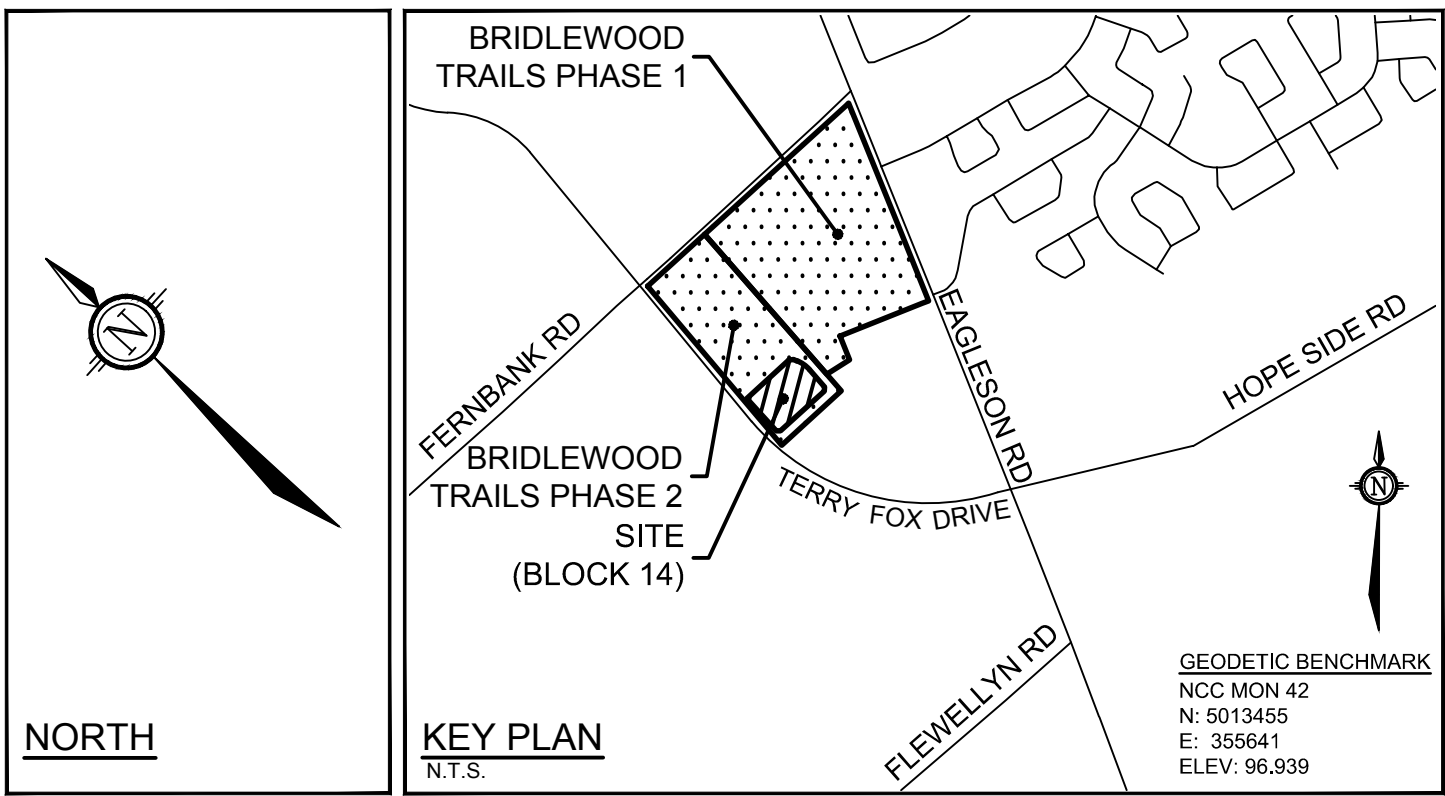
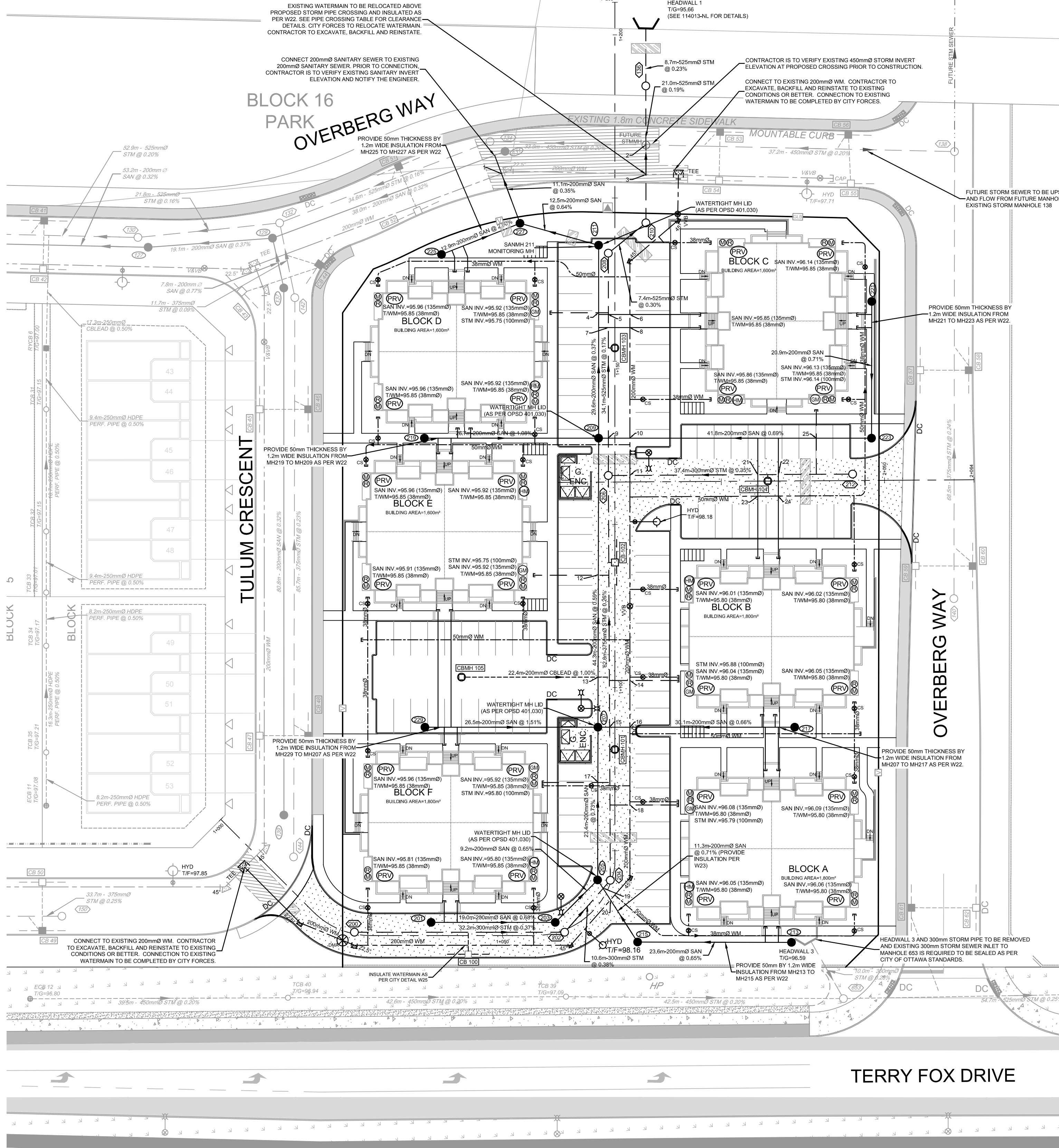


CROSSING #	WATERMAIN	SANITARY	STORM
*1	INV = 95.14 OBV = 95.34	INV = 94.69 OBV = 94.89	
2			INV = 95.37 OBV = 95.82 INV = 94.64 OBV = 95.17
*3	INV = 95.15 OBV = 95.35 INV = 95.43 OBV = 95.63		INV = 94.65 OBV = 95.18
4		INV = 94.88 OBV = 95.06 INV = 95.72 OBV = 95.86	INV = 95.68 OBV = 95.78 INV = 94.76 OBV = 95.29
5		INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
6	INV = 94.90 OBV = 95.10	INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
7		INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
8	INV = 94.90 OBV = 95.10	INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
9		INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
10	INV = 94.84 OBV = 95.04	INV = 95.75 OBV = 95.89 INV = 95.73 OBV = 95.87	INV = 94.76 OBV = 95.29
11	INV = 94.35 OBV = 94.55	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
12		INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
13	INV = 95.10 OBV = 95.30	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
14		INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
15	INV = 95.05 OBV = 95.25	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
16		INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
17	INV = 95.01 OBV = 95.21	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
18		INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
19	INV = 95.01 OBV = 95.21	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
*20	INV = 94.95 OBV = 95.15	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
21		INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
22	INV = 95.42 OBV = 95.62	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
23	INV = 95.47 OBV = 95.67	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
24	INV = 95.43 OBV = 95.63	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24
25	INV = 95.74 OBV = 95.94	INV = 95.06 OBV = 95.26 INV = 95.15 OBV = 95.35	INV = 95.05 OBV = 95.35 INV = 96.04 OBV = 96.24

ELEVATIONS NOTED IN *ITALICS* ARE EXISTING PIPE ELEVATIONS WHILE ALL OTHER ELEVATIONS ARE PROPOSED

* WATERMAIN CROSSING AS PER W25 & W26.2 PROVIDE THERMAL INSULATION AS PER W22 WHERE THERE IS LESS THAN 2.4m COVER.



200mmØ	PROPOSED WATERMAIN AND DIAMETER	200mmØ WM	EXISTING WATERMAIN
HYD	PROPOSED VALVE LOCATION	HYD	EXISTING HYDRANT CW VALVE & LEAD
REDUCER	PROPOSED REDUCER	TIF=97.71	EXISTING TOP OF FLANGE
V&VB	VALVE & VALVE BOX	MH 101	EXISTING SANITARY MH & SEWER
DM	PROPOSED CURB STOP LOCATION	MH 102	EXISTING STORM MH & SEWER
PRV	PROPOSED WATER CHAMBER (AS PER CITY OF OTTAWA DETAIL W3)	CB 59	EXISTING ROADSIDE CATCH BASIN WITH 3.0m SUBDRAIN IN TWO DIRECTIONS (PARALLEL WITH CURB FACE)
REDUCING VALVE	PROPOSED PRESSURE REDUCING VALVE	CB 60	EXISTING ROADSIDE CATCH BASIN WITH INLET CONTROL DEVICE
HYD	PROPOSED HYDRANT CW VALVE & LEAD	V	EXISTING ROGERS VAULT ON 1m X 2m EASEMENT
TIF=98.45	PROPOSED TOP OF BOTTOM FLANGE	VIV	EXISTING ROGERS VAULTS ON 1m X 4m EASEMENT
BEND	PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE (SEE PLAN AND PROFILES)	▲	EXISTING PADMOUNT HYDRO TRANSFORMER
100	PROPOSED SANITARY MH & SEWER	⊠	EXISTING BELL PEDESTAL
100	PROPOSED STORM MH & SEWER	⊠	EXISTING CABLE TELEVISION PEDESTAL
STM INV.=96.20 (135mmØ)	PROPOSED INVERT OF SANITARY SERVICE		
STM INV.=96.24 (100mmØ)	PROPOSED INVERT OF STORM SERVICE		
CBMH 101	PROPOSED HEADWALL C/W RAILING		
DC	PROPOSED ROAD CATCHBASIN WITH 3.0m SUBDRAIN IN TWO DIRECTIONS (PARALLEL WITH CURB FACE)		
DC	PROPOSED CATCHBASIN MANHOLE		
DC	DIRECTION OF FLOW		
DC	PROPOSED DEPRESSED CURB		
DC	PROPOSED RETAINING WALL		
DC	CLAY DYKE AS PER CITY OF OTTAWA DETAIL S8		
DC	ROAD CUT AS PER CITY OF OTTAWA DETAIL R10		
DC	PROPOSED WATER METER LOCATION		
DC	PROPOSED REMOTE WATER METER LOCATION		
DC	PROPOSED GAS METER LOCATION		
DC	PROPOSED HYDRO METER LOCATION		

NOTE
MECHANICAL DESIGN TO ACCOMMODATE DRAINAGE CAPTURED IN LOWER ENTRANCE FLOOR DRAINS.

CB No.	STREET	STATION	SIZE	T/G ELEVATION	INVERT	ICD DIA.
CB 100	TULUM ENTRANCE	1+044.74	600x600mm	97.85	96.47	94mm (PLUG)
CB 102	TULUM ENTRANCE	1+119.16	600x600mm	97.85	96.61	83mm (PLUG)
CBMH 101	TULUM ENTRANCE	1+090.51	1500mmØ	97.80	95.45	74mm (PLUG)
CBMH 103	TULUM ENTRANCE	1+152.03	1500mmØ	97.74	95.30	78mm (PLUG)
CBMH 104	OVERBERG ENTRANCE	2+032.12	1500mmØ	97.59	95.80	73mm (PLUG)
CBMH 105	TULUM ENTRANCE	1+101.60	1500mmØ	97.73	96.00	78mm (PLUG)

MANHOLE ID	MANHOLE SIZE	T/G ELEV	INVERT
213	1200.00Ø	98.10	NW=95.92 SE=95.77 N=95.71
215	1200.00Ø	98.10	NW=95.92 SE=95.79
217	1200.00Ø	98.17	NW=95.92 SE=95.79
219	1200.00Ø	98.25	NW=95.92 SE=95.79
221	1200.00Ø	98.05	NW=95.80 NE=95.86
223	1200.00Ø	97.91	NW=95.80 NE=95.86
225	1200.00Ø	97.96	NW=95.80 NE=95.86
227	1200.00Ø	97.86	NW=95.80 SE=94.73 NE=94.76
229	1200.00Ø	97.98	SE=95.65

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No.	REVISION	DATE	BY	No.	REVISION	DATE	BY
8.	ISSUED FOR REVIEW	DEC 4/18	DDB	1.	ISSUED FOR SITE PLAN APPLICATION	SEPT 17/14	JAG
7.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	SEPT 7/18	DDB	2.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 29/15	JAG
6.	ISSUED FOR TEAM REVIEW	AUG 29/18	DDB	3.	REVISED SITE PLAN LAYOUT - CIRCULATED FOR REVIEW	MAR 13/18	JAG
5.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 8/18	DDB	4.	REVISED SITE PLAN LAYOUT - CIRCULATED FOR REVIEW	APR 4/18	DDB
4.	REVISED SITE PLAN LAYOUT - CIRCULATED FOR REVIEW	APR 4/18	DDB	5.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 29/15	JAG
3.	REVISED SITE PLAN LAYOUT - CIRCULATED FOR REVIEW	MAR 13/18	JAG	6.	ISSUED FOR TEAM REVIEW	AUG 29/18	DDB
2.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	MAY 29/15	JAG	7.	REVISED AS PER SITE PLAN & CITY OF OTTAWA COMMENTS	SEPT 7/18	DDB
1.	ISSUED FOR SITE PLAN APPLICATION	SEPT 17/14	JAG	8.	ISSUED FOR REVIEW	DEC 4/18	DDB

SCALE	DESIGN
1:400	JAG/SAZ
1:400	DDB
1:400	RBG
1:400	JAG
1:400	DDB

FOR REVIEW ONLY

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REFER TO 114013-NL AND 106121-GP2 FOR ADDITIONAL NOTES AND DETAILS

CITY OF OTTAWA
BLOCK 14 (BRIDLEWOOD TRAILS PHASE 2)
25 OVERBERG WAY

DRAWING NAME	PROJECT No.
GENERAL PLAN OF SERVICES	114013
DRAWING No.	REV
114013-GP	REV #9