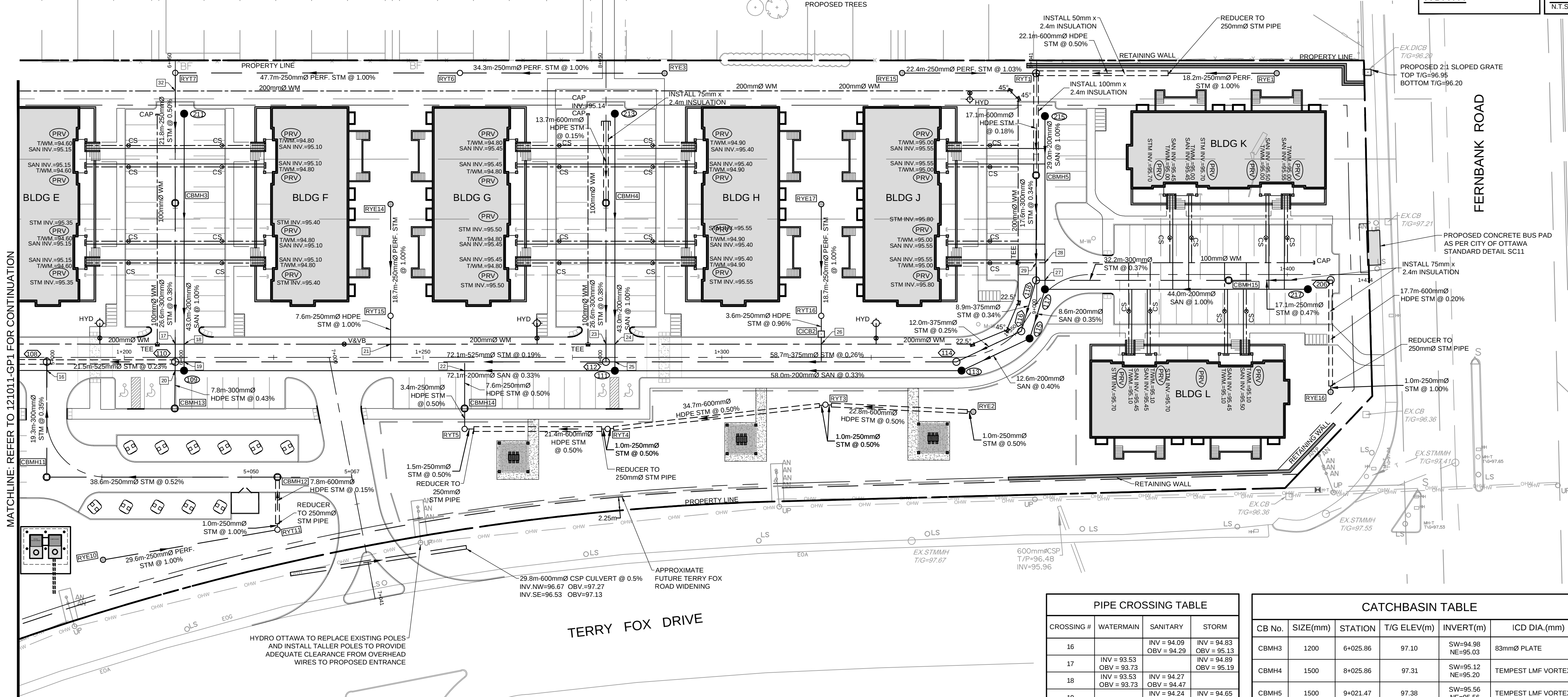
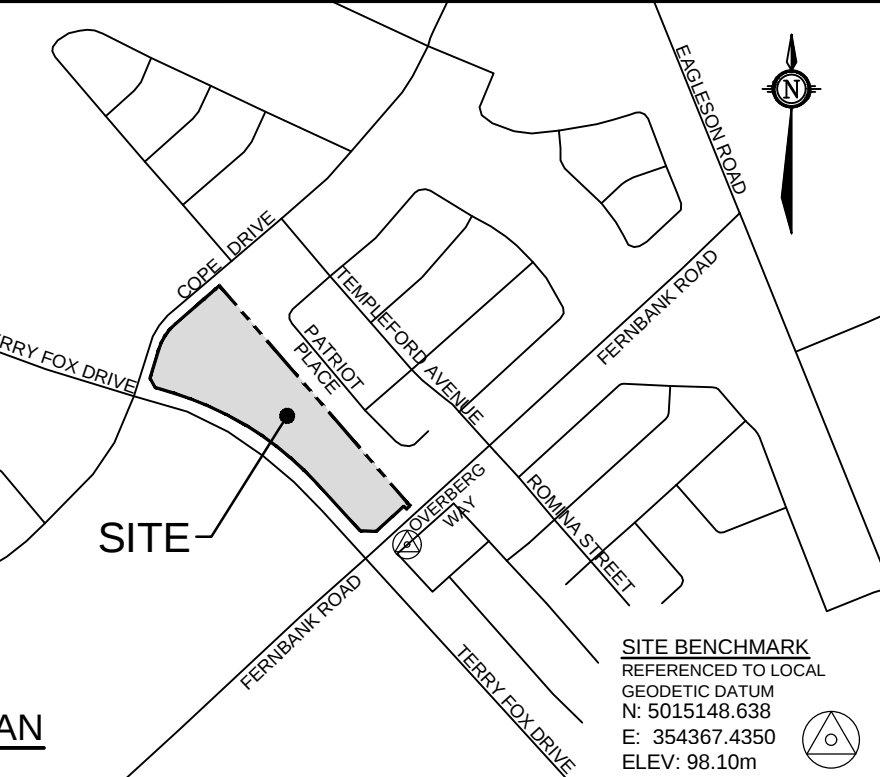


LEGEND

	SITE BOUNDARY		PROPOSED HYDRO METER LOCATION		EXISTING VALVE AND VALE BOX
	PROPOSED STORM MANHOLE & SEWER		PROPOSED HYDRO STEP DOWN TRANSFORMER LOCATION		EXISTING FIRE HYDRANT
	PROPOSED SANITARY MANHOLE & SEWER		PROPOSED WATER METER LOCATION		EXISTING CATCHBASIN
	PROPOSED WATERMAIN		PROPOSED REMOTE WATER METER LOCATION		EXISTING TOP OF GRATE
	PROPOSED VALVE & VALVE BOX		PROPOSED GAS METER LOCATION		EXISTING HYDRAULIC GRADE LINE
	PROPOSED CURB STOP LOCATION		PROPOSED PRESSURE REDUCING VALVE		EXISTING UTILITY POLE C/W GUY WIRES
	PROPOSED DISTRICT METERING AREA (DMA) CHAMBER (AS PER CITY OF OTTAWA DETAIL W3.3)		PROPOSED RETAINING WALL		EXISTING STREETLIGHT
	PROPOSED HYDRANT C/W VALVE & VALVE BOX		EXISTING STORM MANHOLE AND SEWER		
	PROPOSED CATCHBASIN		EXISTING SANITARY MANHOLE AND SEWER		
	PROPOSED CATCHBASIN MANHOLE		EXISTING WATERMAIN		
	PROPOSED REAR YARD ELBOW		EXISTING UNDERGROUND GAS		
	PROPOSED REAR YARD TEE				
	PROPOSED TWSI AS PER CITY OF OTTAWA DETAIL SCT.2				
	PROPOSED TREES				

NORTH

KEY PLAN
N.T.S.



SAN MANHOLE TABLE				
MANHOLE ID	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)
109	1200	1+210.01	97.35	SE=94.20 NW=94.17 NE=94.23
111	1200	1+282.11	97.43	SE=94.47 NW=94.44 NE=94.50
113	1200	1+340.05	97.54	NW=94.66 SE=94.69
115	1200	1+351.12	97.60	NE=94.77 NW=94.74
117	1200	1+359.04	97.67	SW=94.80 SE=94.86 NE=94.83
211	1200	6+040.80	97.33	SW=94.66
213	1200	8+040.80	97.50	SW=94.93
215	1200	9+031.37	97.50	SW=95.12
217	1200	1+403.45	97.70	NW=95.30

STM MANHOLE TABLE				
MANHOLE ID	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)
108	1200	1+187.05	97.28	SE=94.60 SW=94.63 NW=94.53
110	1200	1+208.53	97.36	SE=94.65 NE=94.88 NW=94.89
112	1200	1+280.61	97.47	SE=94.94 NE=95.02 NW=94.79
114	1200	1+339.26	97.55	NW=95.09 SE=95.09
116	1200	1+351.13	97.61	NE=95.12 NW=95.12
118	1200	1+358.97	97.67	SE=95.50 NE=95.50 SW=95.15
206	1200	1+407.25	97.76	NW=95.75 SW=95.75

PIPE CROSSING TABLE			
CROSSING #	WATERMAIN	SANITARY	STORM
16		INV = 94.09 OBV = 94.29	INV = 94.83 OBV = 95.13
17		INV = 93.53 OBV = 93.73	INV = 94.09 OBV = 94.29
18		INV = 93.53 OBV = 93.73	INV = 94.27 OBV = 94.47
19			INV = 94.24 OBV = 94.44
20			INV = 94.17 OBV = 94.37
21	INV = 94.78 OBV = 94.98		INV = 95.87 OBV = 96.12
22		INV = 94.36 OBV = 94.56	INV = 95.06 OBV = 95.31
23	INV = 93.80 OBV = 94.00		INV = 95.03 OBV = 95.33
24	INV = 93.80 OBV = 94.00	INV = 94.54 OBV = 94.74	
25		INV = 94.51 OBV = 94.71	INV = 94.94 OBV = 95.32
26	INV = 94.87 OBV = 95.07		INV = 96.03 OBV = 96.28
27		INV = 94.84 OBV = 95.04	INV = 95.56 OBV = 95.86
*28	INV = 94.25 OBV = 94.35		INV = 94.87 OBV = 95.07
*29	INV = 94.25 OBV = 94.35		INV = 95.56 OBV = 95.86
32	INV = 94.40 OBV = 94.60		INV = 95.13 OBV = 95.38

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

CATCHBASIN TABLE					
CB No.	SIZE(mm)	STATION	T/G ELEV(m)	INVERT(m)	ICD DIA.(mm)
CBMH3	1200	6+025.86	97.10	SW=94.98 NE=95.03	83mmØ PLATE
CBMH4	1500	8+025.86	97.31	SW=95.12 NE=95.20	TEMPEST LMF VORTEX 80
CBMH5	1500	9+021.47	97.38	SW=95.56 NE=95.56	TEMPEST LMF VORTEX 40
CBMH11	1800	5+017.92	97.08	NE=94.90 SE=94.95	83mmØ PLATE
CBMH12	1200	5+054.40	97.55	NW=95.15 SW=95.15	
CBMH13	1200	1+208.45	97.23	NE=94.91	83mmØ PLATE
CBMH14	1200	1+256.96	97.23	NE=95.09 SW=95.09	TEMPEST LMF VORTEX 40
CBMH15	1200	1+390.18	97.50	SE=95.67 NW=95.62	TEMPEST LMF VORTEX 45
CICB2	600Øx800	1+316.65	97.44	NE=96.04 SW=96.04	83mmØ PLATE

SANITARY MANHOLES THAT
REQUIRE WATERTIGHT LIDS
AS PER CITY SPEC MS-22.15

STORM MANHOLES THAT
REQUIRE WATERTIGHT LIDS
AS PER CITY SPEC MS-22.15

REAR YARD CATCHBASIN TABLE				
CB No.	SIZE(mm)	T/G ELEV(m)	INVERT(m)	ICD SIZE (mm)
RYE1	300	97.47	NW=95.88	
RYE2	300	97.50	NW=95.51	
RYE3	300	97.40	NW=95.96	
RYE10	300	97.37	SE=95.47	
RYE14	300	97.50	SW=96.10	
RYE15	300	97.29	SE=95.82	
RYE16	300	97.58	NE=95.79	
RYE17	300	97.66	SW=96.26	
RYT1	1200	97.35	SW=95.59 SE=95.59 NW=95.59	
RYT3	300	97.44	SE=95.39 NW=95.41	
RYT4	300	97.26	SE=95.23 NW=95.23	
RYT5	300	97.23	NE=95.11 SE=95.11	
RYT6	300	97.18	NW=95.62 SE=95.62	
RYT7	300	97.15	SW=95.14 SE=95.14	
RYT11	300	97.58	NW=95.17 SE=95.17	
RYT15	300	97.48	NE=95.91 SW=95.91	83mmØ PLATE
RYT16	300	97.64	SW=96.07 NE=96.07	

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
6.	REVISED SITE PLAN SUBMISSION	NOV 14/25	DOB
5.	RE-ISSUED FOR TENDER	JAN 18/24	DOB
4.	ISSUED FOR TENDER	MAY 20/22	DOB
3.	REVISED PER CITY COMMENTS	FEB 17/22	DOB
2.	REVISED PER CITY COMMENTS	NOV 5/21	DOB
1.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/21	DOB

SCALE		DESIGN
1:400		BM
		CHECKED
		DDB
		DRAWN
		ATE
		CHECKED
		BM
		APPROVED
		DDB

FOR REVIEW ONLY



NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

CITY OF OTTAWA
5331 FERNBANK ROAD
IRON VALLEY 2

DRAWING NAME
GENERAL PLAN OF SERVICES

PROJECT No.
121011-00
REV
REV # 6
DRAWING No.
121011-GP2