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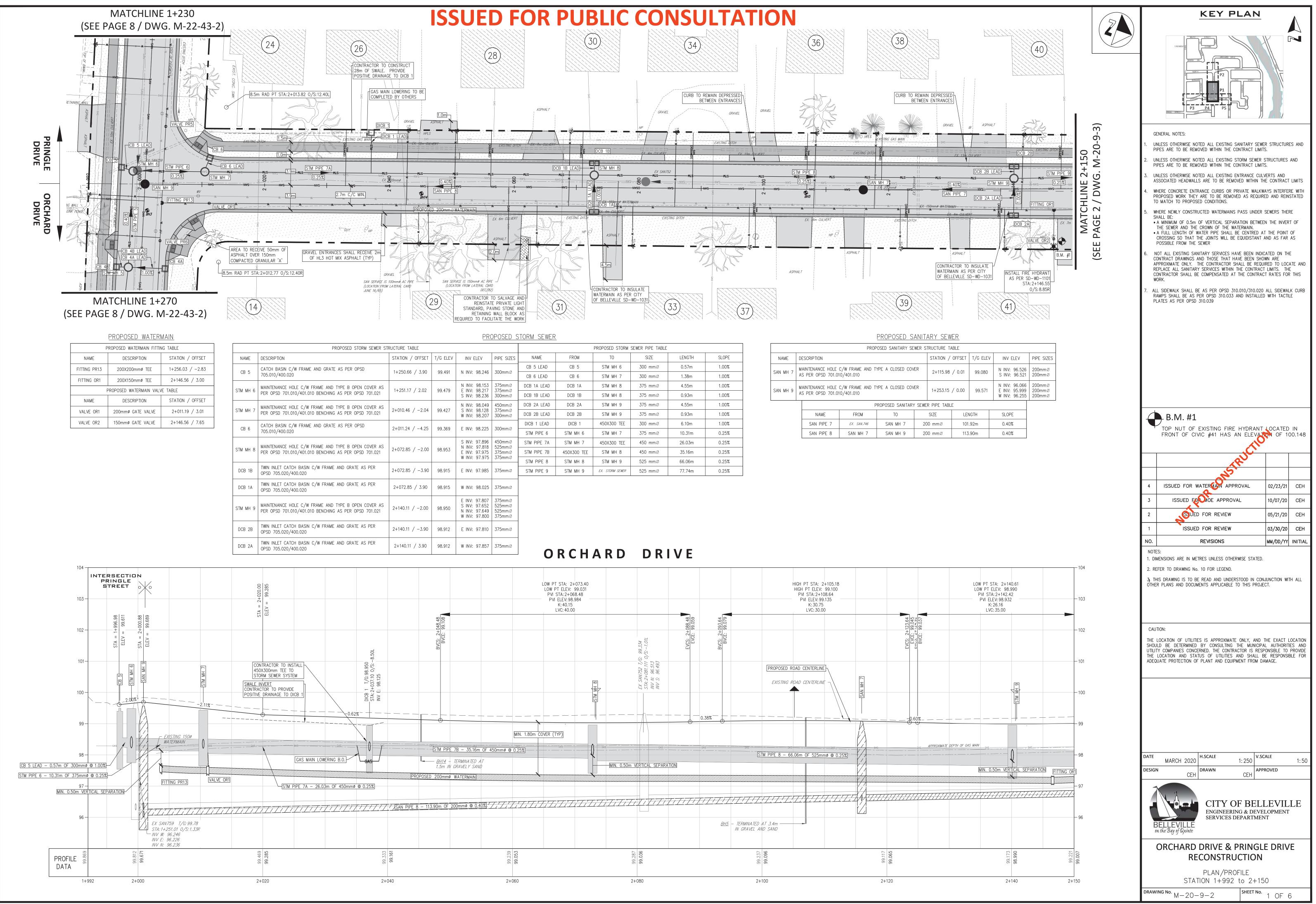
ORCHARD DRIVE & PRINGLE DRIVE

DRAWING LIST:

PLAN INDEX	DRAWING DESCRIPTION
M-20-9-2	ORCHARD DRIVE - P&P 1+992 to 2+150
M-20-9-3	ORCHARD DRIVE - P&P 2+150 to 2+300
M-22-43-1	PRINGLE DRIVE - P&P 0+990 to 1+150
M-22-43-2	PRINGLE DRIVE - P&P 1+150 to 1+310
M-20-9-1	ORCHARD DRIVE - P&P 1+300 to 1+388
N/A	LEGEND & TYPICAL CROSS SECTIONS

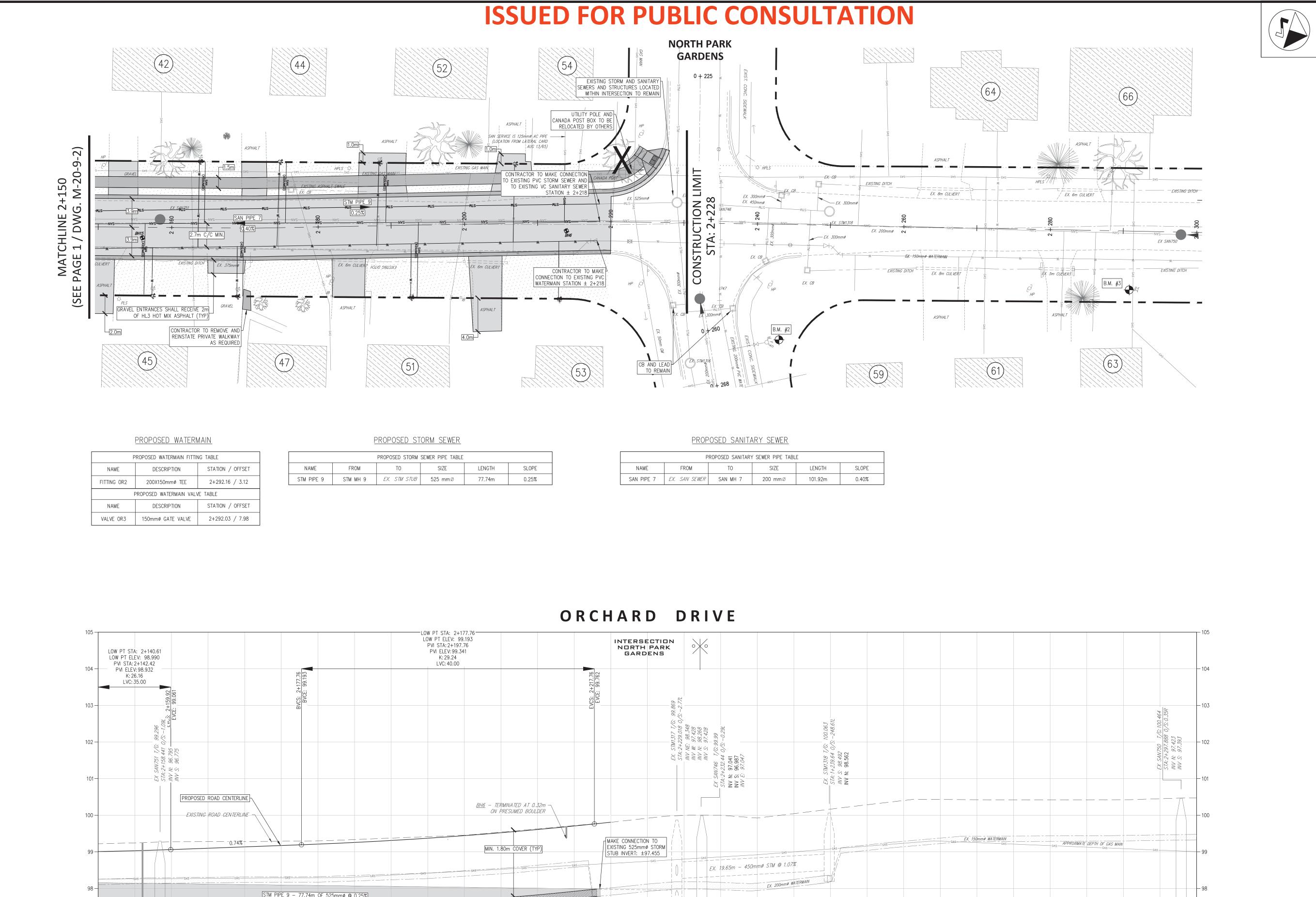


ENGINEERING & DEVELOPMENT **SERVICES**



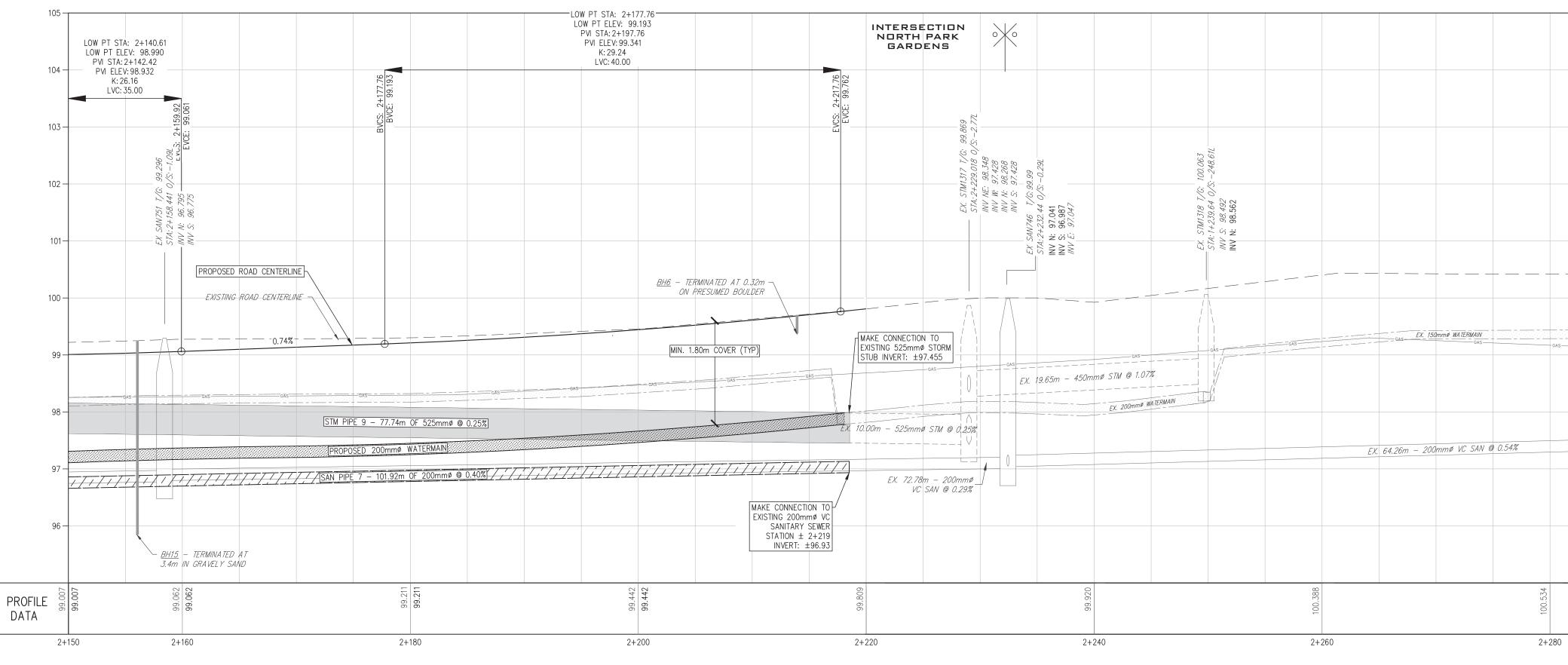
E				PROPOSED STORM SEWER PIPE TABLE							
FFSET	T/G ELEV	INV ELEV	PIPE SIZES	NAME	FROM	TO	SIZE	LENGTH	SLOPE		
2.00	00.401		700 0	CB 5 LEAD	CB 5	STM MH 6	300 mmø	0.57m	1.00%		
3.90	99.491	N INV: 98.246	300mm∅	CB 6 LEAD	CB 6	STM MH 7	300 mmø	1.38m	1.00%		
2.02	99.479	N INV: 98.153	375mm∅ 375mm∅	DCB 1A LEAD	DCB 1A	STM MH 8	375 mmØ	4.55m	1.00%		
		E INV: 98.217 S INV: 98.236	300mm∅	DCB 1B LEAD	DCB 1B	STM MH 8	375 mmØ	0.93m	1.00%		
	99.427	N INV: 98.049 S INV: 98.128 W INV: 98.207	450mm∅	DCB 2A LEAD	DCB 2A	STM MH 9	375 mmØ	4.55m	1.00%		
-2.04			375mm∅ 300mm∅	DCB 2B LEAD	DCB 2B	STM MH 9	375 mmØ	0.93m	1.00%		
1 25	00.700	E INV: 98.225	300mm @	DICB 1 LEAD	DICB 1	450X300 TEE	300 mmø	6.10m	1.00%		
-4.25	99.369		300mm∅	STM PIPE 6	STM MH 6	STM MH 7	375 mmØ	10.31m	0.25%		
		S INV: 97.896 N INV: 97.818	450mm∅ 525mm∅	STM PIPE 7A	STM MH 7	450X300 TEE	450 mmø	26.03m	0.25%		
-2.00	98.953	E INV: 97.975	375mm∅	STM PIPE 7B	450X300 TEE	STM MH 8	450 mmØ	35.16m	0.25%		
		W INV: 97.975	375mmØ	STM PIPE 8	STM MH 8	STM MH 9	525 mmØ	66.06m	0.25%		
-3.90	98.915	E INV: 97.985	375mm∅	STM PIPE 9	STM MH 9	EX. STORM SEWER	525 mmØ	77.74m	0.25%		

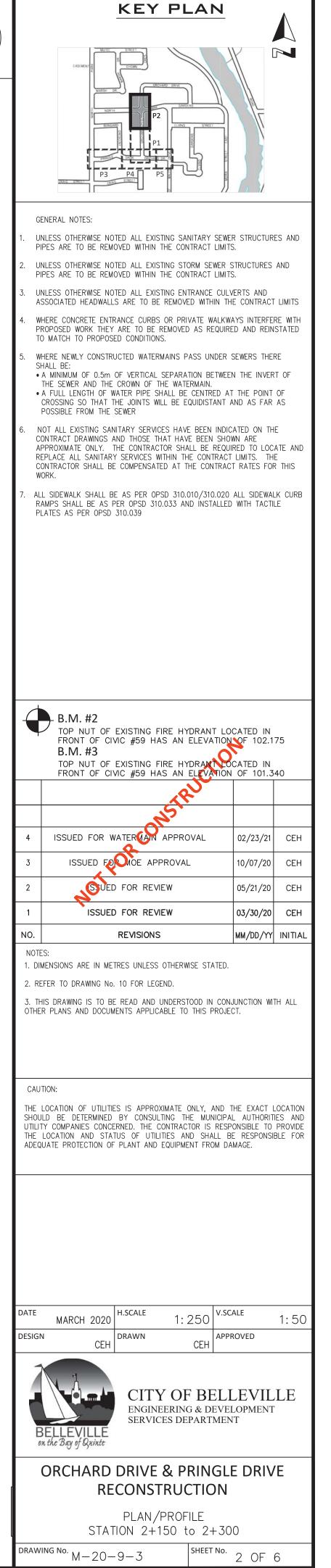
						57				
			PRO	OPOSED	SANITAR	Y SEW				
NAME	D	ESCRIPTION								
SAN MH 7		AINTENANCE HOLE S PER OPSD 701.01		TYPE A	CLOSED	COVE				
SAN MH 9		MAINTENANCE HOLE C/W FRAME AND TYPE A CLOSED COVEI AS PER OPSD 701.010/401.010								
				PROPOS	SED SANI	TARY				
		NAME	FROM		TO					
		SAN PIPE 7	EX. SAN.746	Si	AN MH 7					
		SAN PIPE 8	SAN MH 7	Si	AN MH 9					



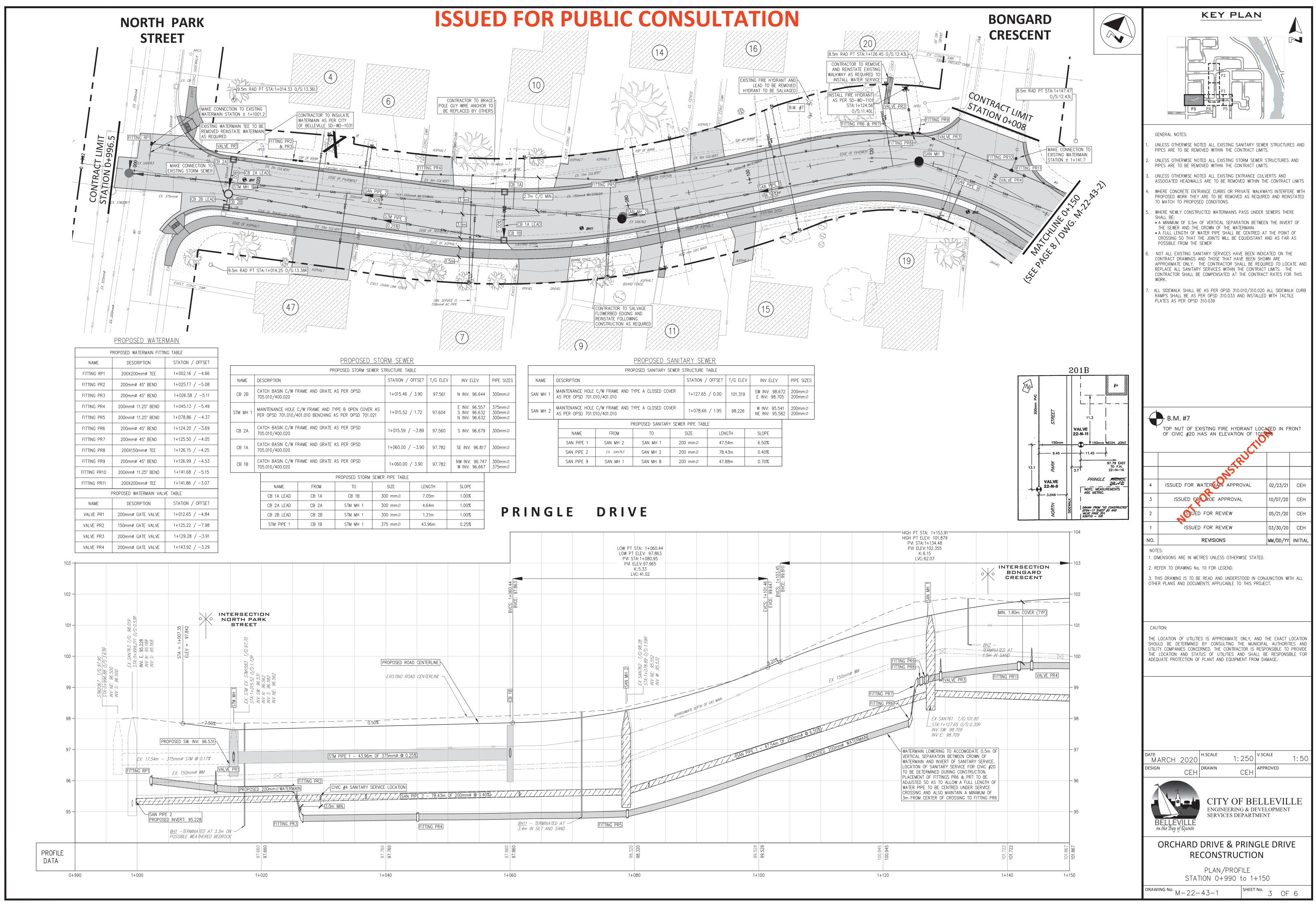
PROPOSED WATERMAIN FITTING TABLE									
NAME	DESCRIPTION	STATION / OFFSET							
FITTING OR2	2+292.16 / 3.12								
F	PROPOSED WATERMAIN VAL	Æ TABLE							
NAME	DESCRIPTION	STATION / OFFSET							
VALVE OR3	150mmø GATE VALVE	2+292.03 / 7.98							

PROPOSED STORM SEWER PIPE TABLE							P	ROPOSED SANITARY	Y SEWER PIPE TABI	_E
NAME	FROM	то	SIZE	LENGTH	SLOPE	NAME	FROM	ТО	SIZE	LENGTH
STM PIPE 9	STM MH 9	EX. STM STUB	525 mmØ	77.74m	0.25%	SAN PIPE 7	EX. SAN SEWER	SAN MH 7	200 mmØ	101.92m



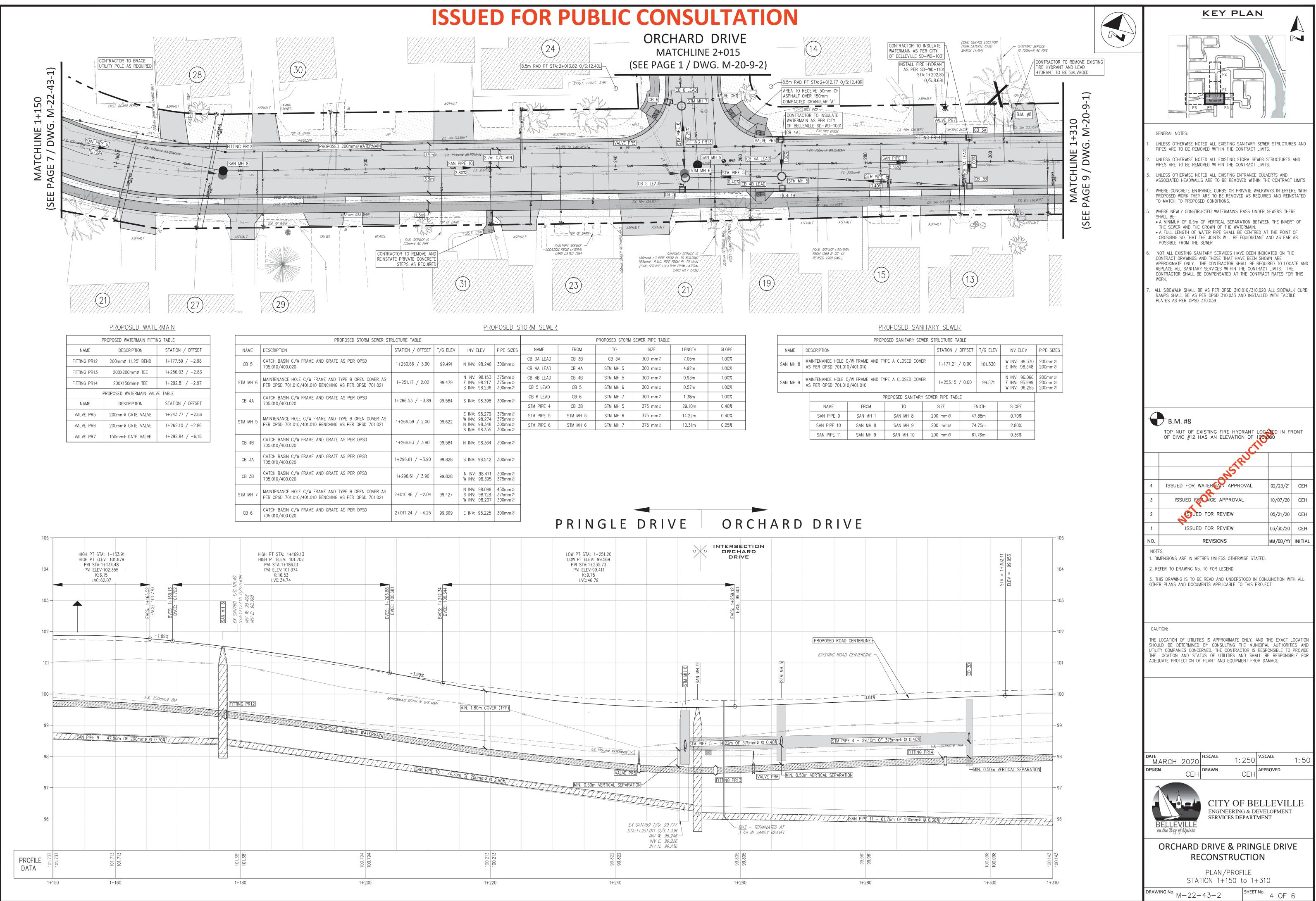


2+300



ЭЕТ	T/G ELEV	INV ELEV	PIPE SIZES
90	97.561	N INV: 96.644	300mmØ
72	97.604	E INV: 96.557 S INV: 96.632 N INV: 96.632	375mmØ 300mmØ 300mmØ
89	97.560	S INV: 96.679	300mmØ
.90	97.782	SE INV: 96.817	300mmØ
90	97.782	NW INV: 96.747 W INV: 96.667	300mm∅ 375mm∅

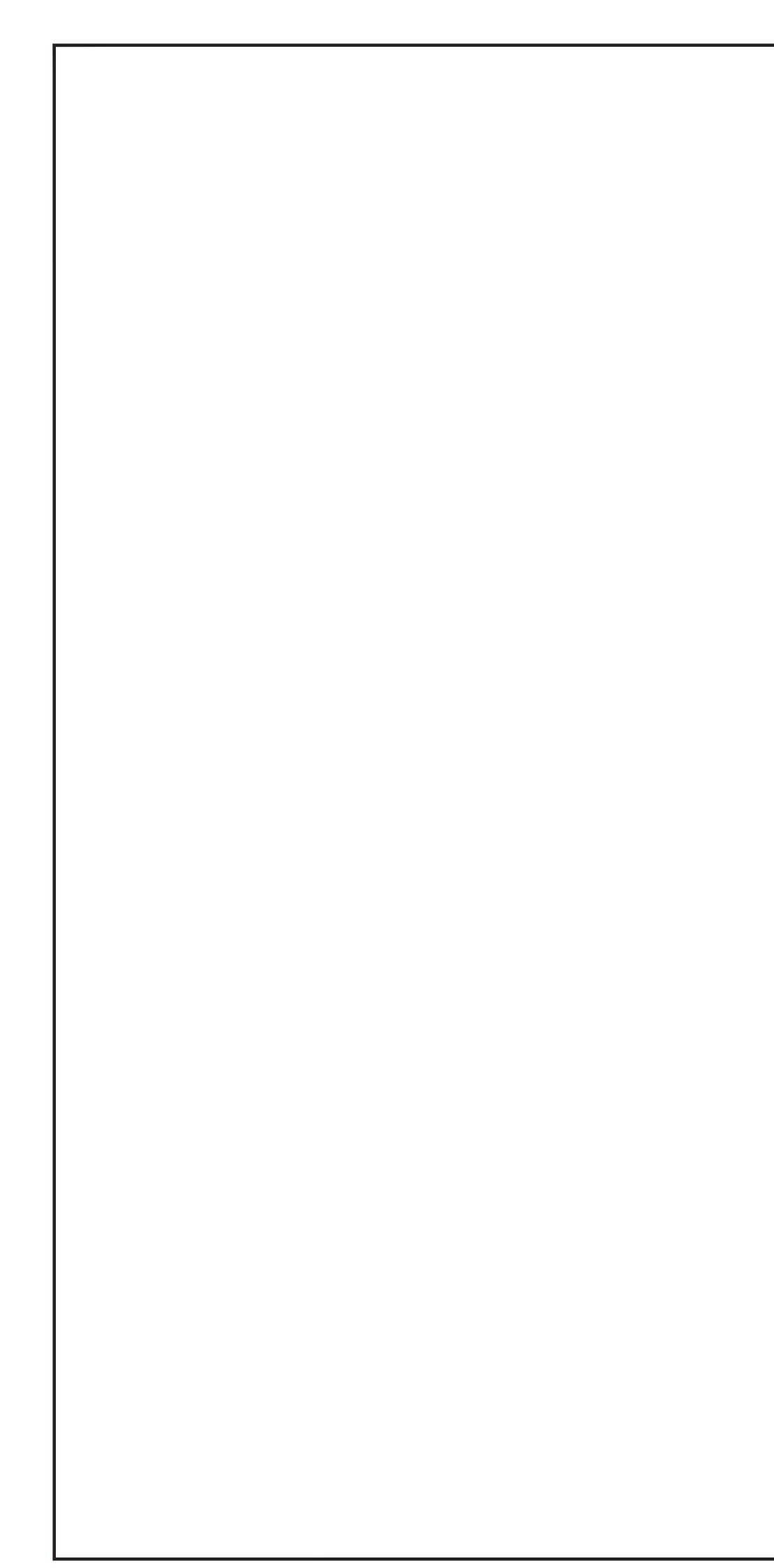
INV: 96.644	300mmØ		SAN MH 1	AS PER OPSD 701.0	'	TPE A CLI				
INV: 96.557 INV: 96.632 INV: 96.632	375mm∅ 300mm∅ 300mm∅		SAN MH 2	MAINTENANCE HOLE C/W FRAME AND TYPE A CL AS PER OPSD 701.010/401.010						
					F	PROPOSED				
INV: 96.679	300mmØ			NAME	FROM	T				
E INV: 96.817	300mmØ			SAN PIPE 1	SAN MH 2	SAN I				
- INV: 90.017	Suommø			SAN PIPE 2	EX. SAN763	SAN M				
V INV: 96.747 INV: 96.667	300mmø 375mmø			SAN PIPE 9	SAN MH 1	SAN M				
		J								



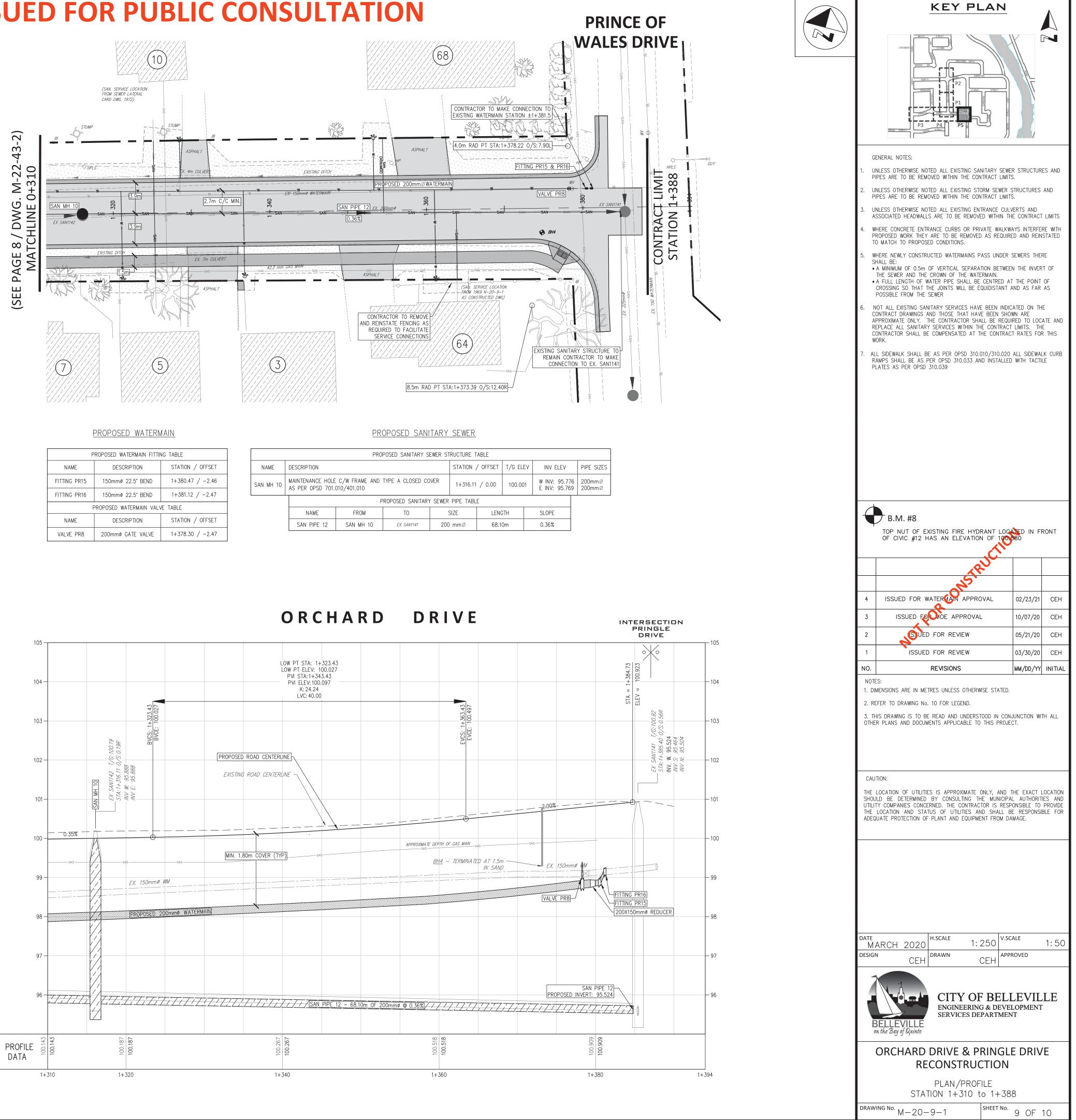
3.90 99.491 N INV: 98.246 300mmø	CB CB CB
3.90 99.491 N INV: 98.246 300mmø	СВ
	ΛP
2.02 99.479 E INV: 98.217 375mm∅ S INV: 98.236 300mm∅	Cł
-3.89 99.584 S INV: 98.398 300mm∅	Cł
	ST
$W W V = 08.274 = 375 mm \alpha$	ST
2.00 99.622 N INV: 98.348 300mm∅	ST
S INV: 98.355 300mmØ	
3.90 99.584 N INV: 98.364 300mmØ	
-3.90 99.828 S INV: 98.542 300mmØ	
3.90 99.828 N INV: 98.471 300mmØ W INV: 98.395 375mmØ	
-2.04 99.427 N INV: 98.049 450mm∅ S INV: 98.128 375mm∅ W INV: 98.207 300mm∅	
-4.25 99.369 E INV: 98.225 300mmØ	

S	NAME	FROM	TO	SIZE	LENGTH	SLOPE				
	CB 3A LEAD	CB 3B	CB 3A	300 mmø	7.05m	1.00%				
	CB 4A LEAD	CB 4A	STM MH 5	300 mmø	4.92m	1.00%				
	CB 4B LEAD	CB 4B	STM MH 5	300 mmø	0.93m	1.00%				
	CB 5 LEAD	CB 5	STM MH 6	300 mmø	0.57m	1.00%				
	CB 6 LEAD	CB 6	STM MH 7	300 mmØ	1.38m	1.00%				
	STM PIPE 4	CB 3B	STM MH 5	375 mmØ	29.10m	0.40%				
	STM PIPE 5	STM MH 5	STM MH 6	375 mmø	14.22m	0.40%				
	STM PIPE 6	STM MH 6	STM MH 7	375 mm∅	10.31m	0.25%				
				-						

NAME	DESCRIPTION											
NMH8		MAINTENANCE HOLE C/W FRAME AND TYPE A CLOSED CO AS PER OPSD 701.010/401.010										
N MH 9		MAINTENANCE HOLE C/W FRAME AND TYPE A CLOSED CO AS PER OPSD 701.010/401.010										
			F	PROPOSED SANITA								
		NAME	FROM	TO								
		SAN PIPE 9	SAN MH 1	SAN MH 8								
		SAN PIPE 10	SAN MH 8	SAN MH 9								
		SAN PIPE 11	SAN MH 9	SAN MH 10								

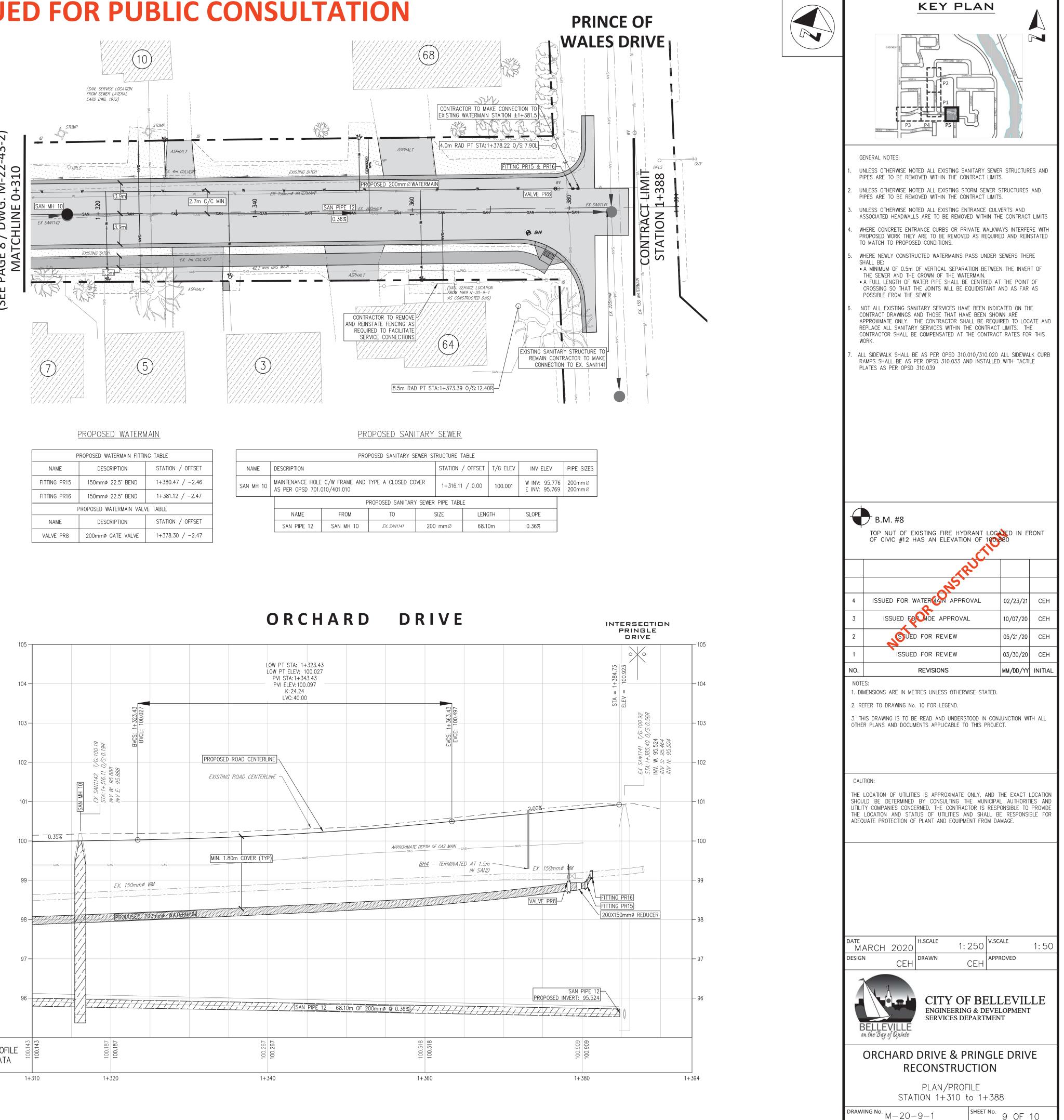


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	PROPOSED SANITARY SEWER STRUCTURE TABLE											
NAME	DESCRIPTION		STATION ,	T/G ELE	ĪV	INV ELEV						
SAN MH 10	MAINTENANCE HOLE AS PER OPSD 701.		TYPE A CLOSED CC	1+316.11 / 0.00		100.00	1	W INV: 95.77 E INV: 95.76				
		P	ROPOSED SANITARY	SEWER	PIPE TABLE							
	NAME	FROM	ТО	(SIZE	LENG	GTH		SLOPE			
	SAN PIPE 12	N PIPE 12 SAN MH 10 <i>EX. SAN1141</i> 200 mmØ 6			68.1	0m		0.36%				

PROPOSED WATERMAIN FITTING TABLE				
NAME	DESCRIPTION	STATION / OFFSET		
FITTING PR15	150mmø 22.5° BEND	1+380.47 / -2.46		
FITTING PR16	150mmø 22.5° BEND	1+381.12 / -2.47		
PROPOSED WATERMAIN VALVE TABLE				
NAME	DESCRIPTION	STATION / OFFSET		
VALVE PR8	200mmø GATE VALVE	1+378.30 / -2.47		



LEGEND

	<u>l e g e n d</u>		
EXISTING	DESCRIPTION	PROPOSED	R.O.W. LIMIT
	APPROX. R.O.W. LIMIT		
W W k	W	- w w w	
— SANSANSA.		SANSANSAN	v
	ASSUMED SANITARY SEWER SERVICE LOCATION	ASSUMED)	ORIGINAL GROUND
— STM — STM — S	M - STORM SEWER -	STM STM STM	
— GAS — GAS — GAS — GAS	as — NATURAL GAS —	GAS ———— GAS ———— GAS —	
<i>B B B B B</i>	BELL DUCT/CABLE		125mm TOPSOIL AND SOD — <u>1.5m</u> • SIDEWALK AS PER OPS
• EX SAN 796	SAN. MAINT. HOLE	SAN 2	• 50mm GR.
© EX STM 353	STM. MAINT. HOLE	O STM 2	
🕑 EX CBMH2	CATCHBASIN MH		
EX CB5	CATCHBASIN		
EX DCB4	DOUBLE CATCHBASIN		
EX DICB6	DITCH INLET		
$\overset{WV}{\otimes}$	CATCHBASIN WATER VALVE	VALVE PR1	
¤ ⊳	WATERMAIN REDUCER	Þ	
	FIRE HYDRANT	HYD	
°° CS	CURB STOP	*Č	
	CONIFEROUS TREE		R.O.W. LIMIT
and the second sec	DECIDUOUS TREE		
E	XISTING TREE TO BE REMOVED		
<u>o</u>	SIGN		ORIGINAL GROUND
	UTILITY POLE		
<u>G</u> W	GUY WIRE		
O THH	TRAFFIC HAND HOLE		125mm TOPSOIL AND SOD —
BH1	BORE HOLE		PROPOSED 1.5m CONCRETE SIDEWALK AS
O BMH	BELL MH		
	BELL PEDESTAL		
S C GV	CABLE PEDESTAL		
\bowtie	GAS VALVE		
GM	GAS METER	Ψ	
¢	LIGHT STANDARD SURVEY BAR		
O(O- CHAINLINK FENCE		
	BOARD FENCE		
• BLRD	BOLLARD		
	125mm TOPSOIL AND SOD		
	ASPHALT SURFACE		NOTE:
	CONCRETE SURFACE		1. ALL EXISTING ENTRANCE CUP WITH PROPOSED WORKS ARE REINSTATED TO MATCH TO P
	ENTRANCE CULVERT		2. ALL ENTRANCES ARE TO BE
			3. ALL SIDEWALK WITHIN AN EN OPSD 315.010.
			4. CURB SHALL BE DEPRESSED

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