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Sheet List Table	
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--	000 COVER
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C-900	EROSION AND SEDIMENT CONTROL PLAN

CLARIDGE HOMES
ZENS - 4624 SPRATT
CONTRACT NO. 135856

135856 - SAN STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION
MH100A	91.43			SW88.788		1200mmØ OPSD-701.010
MH101A	91.47	NE88.708 NW88.748		SW88.688		1200mmØ OPSD-701.010
MH102A	91.42	SE88.684 NE88.644		SW88.624		1200mmØ OPSD-701.010
MH103A	91.51	NE88.500 NW88.540		SW88.480		1200mmØ OPSD-701.010
MH104A	91.55	NE88.393 SE88.433		SW88.373		1200mmØ OPSD-701.010
MH105A	91.58	NE88.278		NW88.218		1200mmØ OPSD-701.010
MH106A	91.54	SE88.100		SW88.040		1200mmØ OPSD-701.010
MH110A	91.65	S88.836		W88.776		1200mmØ OPSD-701.010
MH111A	91.50	E88.662 E88.702		W88.642		1200mmØ OPSD-701.010
MH112A	91.60	E88.598		W88.568		1200mmØ OPSD-701.010
MH113A	91.61	E88.534		N88.504		1200mmØ OPSD-701.010
MH114A	91.56	S88.461 W88.701		N88.641		1200mmØ OPSD-701.010
MH115A	91.49	S88.482		NW88.462		1200mmØ OPSD-701.010
MH120A	91.73	S88.897		N88.877		1200mmØ OPSD-701.010
MH121A	91.82			N88.964		1200mmØ OPSD-701.010
MH123A	91.86			N88.810		1200mmØ OPSD-701.010
MH130A	91.55			W89.155		1200mmØ OPSD-701.010
MH131A	91.59	E89.049		N88.989		1200mmØ OPSD-701.010
MH132A	91.35	S88.848 E88.888		N88.828		1200mmØ OPSD-701.010
MH133A	91.44	S88.733		NW88.713		1200mmØ OPSD-701.010
MH140A	91.83			W89.004		1200mmØ OPSD-701.010
MH150A	91.64	S88.894 N88.894		E88.834		1200mmØ OPSD-701.010
MH151A	91.60			N88.996		1200mmØ OPSD-701.010
MH152A	91.68			S89.016		1200mmØ OPSD-701.010
MH160A	91.88			SW89.024		1200mmØ OPSD-701.010
MH170A	91.53	NE88.933		SE88.873		1200mmØ OPSD-701.010
MH180A	91.47			SE88.658		1200mmØ OPSD-701.010

MANHOLE FRAME AND COVERS PER CITY STD S25 AND S24

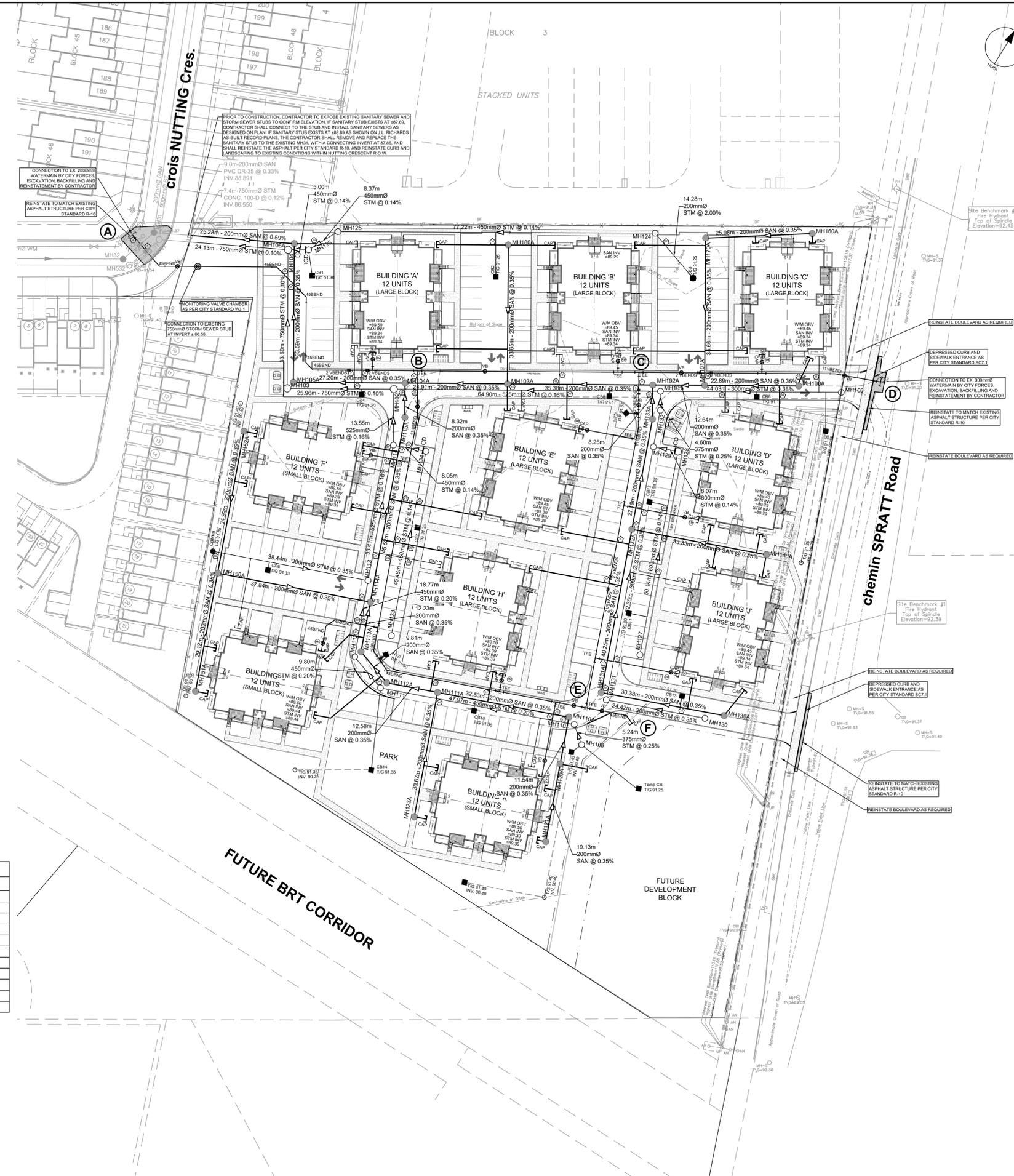
135856 - STM STRUCTURE TABLE						
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION
CB3	91.25			W89.850		600mmx600mm OPSD-705.010
CBMH9	91.35			E87.563		1200mmØ OPSD-701.010
MH100	91.32			SW87.502		1200mmØ OPSD-701.010
MH101	91.41	NE87.348 SE87.313		SW87.103		1200mmØ OPSD-701.010
MH102	91.52	NE86.999 SE87.039		SW86.754		1500mmØ OPSD-701.011
MH103	91.61	NE86.728		NW86.668		1500mmØ OPSD-701.011
MH104	91.51	SE86.634 NE86.894		SW86.574		1500mmØ OPSD-701.011
MH109	91.69			NW87.600		1200mmØ OPSD-701.010
MH110	91.65	SE87.587		W87.452		1200mmØ OPSD-701.010
MH111	91.58	E87.356		W87.326		1200mmØ OPSD-701.010
MH112	91.63	E87.306		N87.276		1200mmØ OPSD-701.010
MH113	91.58	S87.239 W87.429		N87.144		1200mmØ OPSD-701.010
MH114	91.59	S87.090 E87.120		NW87.060		1200mmØ OPSD-701.010
MH124	91.75	E89.564		SW89.150		1200mmØ OPSD-701.010
MH125	91.78	NE89.042		SW86.943		1200mmØ OPSD-701.010
MH126	91.48	NE86.931		SW86.901		1200mmØ OPSD-701.010
MH127	91.55			N87.959		1200mmØ OPSD-701.010
MH128	91.52	S87.889		W87.529		1200mmØ OPSD-701.010
MH129	91.48	S87.481 E87.521		N87.461		1200mmØ OPSD-701.010
MH130	91.48			W87.844		1200mmØ OPSD-701.010
MH131	91.61	E87.759		N87.699		1200mmØ OPSD-701.010
MH132	91.44	S87.429		NW87.324		1200mmØ OPSD-701.010
MH133	91.52			N87.755		1200mmØ OPSD-701.010
MH134	91.47	S87.692		W87.132		1200mmØ OPSD-701.010
MH453	88.20					1200mmØ OPSD-701.010

MANHOLE FRAME AND COVERS PER CITY STD S25 AND S24.1

PIPE INTERFERENCE TABLE			
Crossing No.	PIPE 1	PIPE 2	Clearance
1	WM Bottom 88.750	Ndring SAN Top 87.393	1.366
2	WM Bottom 88.717	Ndring STM Top 88.056	0.621
3	STM Bottom 88.298	STM Top 88.773	0.525
4	WM Bottom 88.300	STM Top 88.036	0.264
5	WM Bottom 88.84	STM Top 87.058	1.246
6	SAN Bottom 88.848	STM Top 88.702	0.546
7	STM Bottom 88.325	STM Top 88.817	0.508
8	Bottom 88.343	STM Top 88.821	0.522
9	Bottom 89.097	STM Top 87.874	1.123
10	Bottom 88.243	STM Top 88.969	0.274
11	Bottom 88.107	STM Top 88.818	0.289
12	SAN Bottom 88.188	STM Top 88.650	0.538
13	SAN Bottom 88.605	STM Top 88.453	0.502
14	Bottom 88.245	STM Top 88.965	0.280
15	STM Bottom 88.293	STM Top 88.700	0.593
16	Bottom 89.284	STM Top 88.700	0.585
17	Bottom 88.341	STM Top 88.841	0.500
18	Bottom 88.299	STM Top 88.784	0.515
19	Bottom 88.250	STM Top 88.743	0.507
20	STM Bottom 88.253	STM Top 88.743	0.520
21	Bottom 88.198	STM Top 88.678	0.510
22	WM Bottom 88.895	STM Top 87.660	1.205
23	Bottom 88.892	STM Top 87.622	1.270
24	Bottom 88.911	STM Top 88.610	0.302
25	Bottom 88.890	STM Top 87.699	1.407
26	Bottom 88.849	STM Top 88.341	0.508

PIPE INTERFERENCE TABLE			
Crossing No.	PIPE 1	PIPE 2	Clearance
27	SAN Bottom 88.330	STM Top 87.799	1.531
28	SAN Bottom 88.255	STM Top 87.855	1.400
29	SAN Bottom 88.257	STM Top 87.707	1.029
30	STM Bottom 88.269	STM Top 88.262	1.037
31	STM Bottom 88.293	STM Top 88.055	0.428
32	STM Bottom 88.461	STM Top 88.333	0.528
33	Bottom 88.254	STM Top 88.806	0.649
34	Bottom 88.304	STM Top 87.904	1.399
35	Bottom 88.315	STM Top 89.015	0.300
36	Bottom 88.267	STM Top 88.750	0.517
37	Bottom 88.635	STM Top 89.370	0.265
38	Bottom 88.689	STM Top 88.350	1.339
39	Bottom 88.240	STM Top 87.458	0.772
40	SAN Bottom 88.245	STM Top 88.336	0.759
41	Bottom 88.290	STM Top 88.627	0.623
42	Bottom 88.336	STM Top 87.657	1.679
43	Bottom 88.315	STM Top 87.680	1.636
44	Bottom 88.501	STM Top 87.655	0.845
45	Bottom 88.224	STM Top 88.243	0.681
46	SAN Bottom 88.208	STM Top 88.513	0.295
47	Bottom 88.209	STM Top 87.429	0.670
48	Bottom 88.290	STM Top 87.773	1.467
49	Bottom 88.206	STM Top 87.619	1.589
50	Bottom 88.313	STM Top 87.731	1.582
51	Bottom 88.063	STM Top 87.710	1.373
52	Bottom 88.631	STM Top 88.725	0.307

WATERMAIN SCHEDULE				
Station	Description	Finished Grade	Top of Watermain	As Built Watermain
A	0+00.00	TEE	+91.4	+89.98
	0+02.32			+88.917
	0+10.02	45° BEND	91.483	89.083
	0+14.46	VB	91.572	89.172
	0+19.41	VAVC	91.670	89.270
	0+23.68	45° BEND	91.634	89.234
	0+28.89	45° BEND	91.362	88.962
	0+34.79	45° BEND	91.547	89.147
	0+37.29	45° BEND	91.520	89.120
	0+40.79	22½° VBEND	91.545	89.028
	0+43.29	22½° VBEND	91.547	88.921
	0+46.28	22½° VBEND	91.561	88.827
	0+48.82	22½° VBEND	91.563	89.046
B	0+52.78	TEE	91.575	89.175
	0+57.14	VB	91.518	89.118
	0+61.63	45° BEND	91.518	89.263
	0+66.00	45° BEND	91.511	89.111
	0+70.21	STM SERV BLK B	91.500	88.758
	0+74.30	WM SERV TEE	91.463	89.053
	0+78.51	WM SERV TEE	91.490	89.090
C	0+82.62	TEE	91.495	89.095
	0+86.96	VB	91.517	89.117
	0+91.90	22½° VBEND	91.517	89.117
	0+96.75	22½° VBEND	91.517	89.471
	0+101.49	22½° VBEND	91.509	89.471
	0+106.40	22½° VBEND	91.497	89.097
	0+111.57	HYD TEE	91.358	88.958
	0+116.62	SAN SERV BLK C	91.503	88.700
	0+121.55	STM SERV BLK C	91.544	88.700
	0+126.45	11½° BEND	91.444	88.700
	0+131.37	VB	91.379	88.700
	0+136.26	45° BEND	91.379	88.700
	0+141.15	TEE	+91.169	+88.85
D	0+145.51	WM SERV TEE	91.455	89.055
	0+149.80	11½° BEND	91.472	89.072
	0+154.10	WM SERV TEE	91.548	89.091
	0+158.40	WM SERV TEE	91.499	89.099
	0+162.70	SAN SERV BLK E	91.447	88.674
	0+167.00	11½° BEND	91.413	89.013
	0+171.30	SAN SERV BLK H	91.453	88.750
	0+175.60	STM SERV BLK H	91.497	88.750
	0+180.00	WM SERV TEE	91.549	89.149
	0+184.30	45° BEND	91.562	89.162
	0+188.60	HYD TEE	91.602	89.202
	0+192.90	45° BEND	91.659	89.259
	0+200.00	SAN SERV BLK H	91.620	88.784
	0+204.30	SAN SERV BLK H	91.593	88.830
	0+208.60	WM SERV TEE	91.599	89.199
	0+212.90	WM SERV TEE	91.640	89.240
	0+217.20	VB	91.658	89.258
	0+221.50	TEE	91.661	89.261
	0+225.80	VB	91.665	89.265
	0+230.10	45° BEND	91.762	89.362
	0+234.40	CAP	91.691	89.291
E	0+238.70	TEE	91.661	89.261
	0+243.00	WM SERV TEE	91.503	89.103
	0+247.30	VBEND	91.395	88.988
	0+251.60	VBEND	91.394	88.760
	0+255.90	VBEND	91.438	88.760
	0+260.20	VBEND	91.453	89.043
	0+264.50	VBEND	91.459	89.004
	0+268.80	VBEND	91.454	88.709
	0+273.10	VBEND	91.433	88.709
	0+277.40	VBEND	91.409	88.964
	0+281.70	WM SERV TEE	91.351	88.933
	0+286.00	WM SERV TEE	91.496	89.096
	0+290.30	11½° BEND	91.439	89.039
	0+294.60	HYDRANT TEE	91.373	88.974
	0+298.90	VBEND	91.334	88.934
	0+303.20	7° DEFLECTION	91.339	89.333
	0+307.50	7° DEFLECTION	91.406	89.333
	0+311.80	TEE	91.495	89.095



CLIENT
CLARIDGE HOMES
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IBI Group Professional Services (Canada) Inc.
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ISSUES	No.	DESCRIPTION	DATE
	1	ISSUED FOR CITY REVIEW	2021-12-15

SCALE CHECK
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PROJECT
ZENS - 4624 SPRATT

PROJECT NO: 135856
DRAWN BY: D.D.S.G.
PROJECT MGR: R.M.
CHECKED BY: A.Z.
APPROVED BY: [Signature]

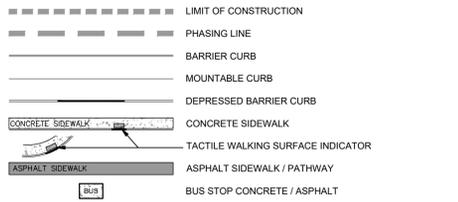
SHEET TITLE
GENERAL PLAN OF SERVICES

SHEET NUMBER C-001 **ISSUE** 1

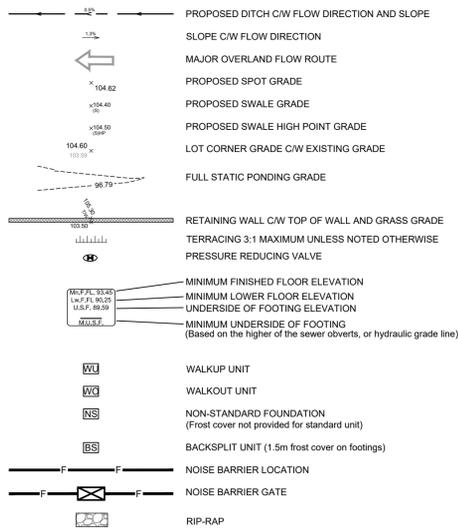
CITY PLAN No. xxxxx

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 W. ZHUANG
 2021-12-15
 PROVINCE OF ONTARIO

GENERAL LEGEND



GRADING LEGEND



SERVICING LEGEND



NOTES :

- ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPS/DOPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- THE POSITION OF UNDERGROUND AND ABOVEGROUND SERVICE UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER, THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
- WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
- SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
- FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT NO PG5641-1 PREPARED BY PATERSON GROUP.
- FOR GEOTECHNICAL BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY ANNE'S CONSULTING, VOLEBERG LTD. BENCHMARK BASED ON CAN-NET VIRTUAL REFERENCE SYSTEM NETWORK.
- FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BY RVA ARCHITECTURE.
- FOR NOISE ATTENUATION PLAN REFER TO N-1 PREPARED BY IBI GROUP.
- THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE SOIL BORROW OR IMPORTED OPSSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMANS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMANS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISH OR UNTIL THE START OF A SUBSEQUENT PHASE.
- CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPEN TRENCH WIDTH BE EXCEEDED.
- ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.
- SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN THE GEOTECHNICAL REPORT.
- UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS:
 - WATERMANS TO BE PVC DR18
 - SANITARY SEWER TO BE PVC DR35
 - PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HOPE
 - STORM SEWERS 375MM DIAMETER AND LESS TO BE PVC DR35
 - STORM SEWERS 450MM DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR R77.03, OR HIGHER.
- ALL CONNECTIONS TO EXISTING WATERMANS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- ANY WATERMAIN WITH LESS THAN 2.4M AND ANY SEWER WITH LESS THAN 2.0M DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
- ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
- ALL CATCHBASINS SHALL HAVE A 600MM SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900MM, SHALL HAVE A 300MM SUMP.
- ALL SANITARY MANHOLES SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
- ALL LEADS FOR STREET CATCHBASINS AND CURB INLET CATCHBASINS CONNECTED TO MAIN SHALL BE 200MM Ø PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200MM Ø PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO - 3.0M MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR - 3.0M MINIMUM SUBDRAINS INSTALLED ORTHOGONALLY.
- INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
- ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0M REQUIRE A CONTROLLED SETTLEMENT JOINT.
- EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
- THE HGL PROVIDED IS BASED ON HYDRAULIC MODELING COMPLETED USING PCSWMM AND THE 100 YEAR CHICAGO STORM EVENT (CH10010).
- THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CDTY INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
- ALL RETAINING WALLS GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
- ALL RETAINING WALLS GREATER THAN 0.6M IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0M IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
- UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A PERFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

STRUCTURE ID	STORM AREA ID	STRUCTURE	FRAME & COVER	ELEVATION		OUTLET PIPE		INLET CONTROL DEVICE			COMMENTS		
				TOP OF GRATE	INVERT		DIAMETER (mm)	TYPE	100yr Dynamic HEAD	RESTRICTED FLOW (l/s)		ICD TYPE	ORIFICE SIZE (mm dia.)
					INLET	OUTLET							
CB1	MH126	OPSD 705.010	S19	91.30		89.90	200	PVC DR35	1.520				
CB2	MH125	OPSD 705.010	S19	91.25		89.85	200	PVC DR35	1.580				
CB3	MH124	OPSD 705.010	S19	91.25		89.85	200	PVC DR35	1.580				
CB4	MH102	OPSD 705.010	S19	91.30		89.90	200	PVC DR35	1.510	8.00	CUSTOM IPEX LMF		
CB5	MH101	OPSD 705.010	S19	91.17		89.77	200	PVC DR35	1.530	8.00	CUSTOM IPEX LMF		
CB6	MH100	OPSD 705.010	S19	91.16		89.76	200	PVC DR35	1.450	8.00	CUSTOM IPEX LMF		
CB7	MH113	OPSD 705.010	S19	91.25		89.85	200	PVC DR35	1.560				
CB8	CBMH9	OPSD 705.010	S19	91.33		89.93	200	PVC DR35	1.500	18.00	IPEX MHF	83	
CBMH9	CBMH9B	OPSD 705.010	S19	91.35		89.95	200	PVC DR35	1.590	12.00	CUSTOM IPEX MHF		
CB10	MH110	OPSD 705.010	S19	91.35		89.95	200	PVC DR35	1.510	23.00	CUSTOM IPEX HF		
CB11	MH127	OPSD 705.010	S19	91.20		89.80	200	PVC DR35	1.560				
CB12	MH127B	OPSD 705.010	S19	91.20		89.80	200	PVC DR35	1.560				
CB13	MH130	OPSD 705.010	S19	91.30		89.90	200	PVC DR35	1.550	8.00	CUSTOM IPEX LMF		
CB14	MH111	OPSD 705.010	S19	91.35		89.95	200	PVC DR35	1.570	6.00	IPEX LMF		
Temp CB	MH109	OPSD 705.010	S19	91.25		89.85	200	PVC DR35	1.600	28.00	IPEX MHF	102	
CCB7	MH100C	S31	S31	91.25		89.85	200	PVC DR35	1.310	10.00	CUSTOM IPEX MHF		
ECB8	MH100D	S31	S31	91.25		89.85	200	PVC DR35	1.510	10.00	CUSTOM IPEX MHF		
TCB5	MH109B	S31	S31	91.40		90.00	200	PVC DR35	1.590	8.00	CUSTOM IPEX LMF		
MH126	MH126	OPSD 705.010	S25 & S24.1	91.48		86.90	450	CONC	4.844	14.00	CUSTOM IPEX MHF		
MH128	MH127	OPSD 705.010	S25 & S24.1	91.52		87.53	450	CONC	4.156	12.00	CUSTOM IPEX MHF		
MH134	MH113	OPSD 705.010	S25 & S24.1	91.47		87.13	600	CONC	4.678	12.00	CUSTOM IPEX MHF		

ROADWAY STRUCTURE:

- LOCAL ROAD - (690mm)**
- 40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - 50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
 - 150mm - OPSS GRANULAR "A" CRUSHED STONE
 - 450mm - OPSS GRANULAR "B" TYPE II
- PARKING AREAS - (640mm)**
- 40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - 50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
 - 150mm - OPSS GRANULAR "A" CRUSHED STONE
 - 300mm - OPSS GRANULAR "B" TYPE II

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SECTION FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS

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PROJECT
ZENS - 4624 SPRATT

PROJECT NO: 135856
DRAWN BY: D.D.S.G.
PROJECT MGR: R.M.
SHEET TITLE: GENERAL NOTES, LEGEND AND CB DATA TABLE

CHECKED BY: A.Z.
APPROVED BY: #####

SHEET NUMBER: **C-010** ISSUE: **1**

CITY FILE No. D07-xx-xx-xxxx
Last Saved: December 15, 2021, 4:27:54 PM by Denis Dore
Printed: Wednesday, December 15, 2021, 4:27:54 PM by Denis Dore
File Location: \\113856_4624_Spratt_17_0_Production\7_03_Design\04_Civil\Sheets\C-010 NOTES\LEGEND-CB DATA.dwg



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ISSUES	No.	DESCRIPTION	DATE
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NOT FOR CONSTRUCTION
 FOR NOTES, LEGEND, CB TABLE, STREET SECTIONS AND DETAILS



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SCALE
 1:500
 0 5 10 15 20 25m

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PROJECT
ZENS - 4624 SPRATT

PROJECT NO:
 135856
 DRAWN BY:
 D.D.S.G.
 PROJECT MGR:
 R.M.

CHECKED BY:
 A.Z.
 APPROVED BY:

SHEET TITLE
GRADING PLAN

SHEET NUMBER
C-200
 ISSUE
1

CITY PLAN No. xxxxx

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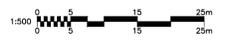

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PROJECT
ZENS - 4624 SPRATT

PROJECT NO:
 135856

DRAWN BY:
D.D.S.G.

CHECKED BY:
A.Z.

PROJECT MGR:
R.M.

APPROVED BY:

SHEET TITLE
STORM DRAINAGE AREA PLAN

SHEET NUMBER
C-500

ISSUE
1

LEGEND

 AREA NUMBER
 COEFFICIENT

 AREA (ha)

 MAJOR OVERLAND FLOW ARROW

CITY FILE No. D07-xx-xx-xxxx
 SCALE CHECK
 File Location: J:\135856_4624_Spratt\17_0_Production\7_03_Design\04_Civil\Sheet\C-500 STORM DRAINAGE AREA PLAN.dwg Last Saved: December 15, 2021, by ddre Plot Date: Wednesday, December 15, 2021, 4:28:50 PM by Denis Dore



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PROJECT
ZENS - 4624 SPRATT

PROJECT NO:
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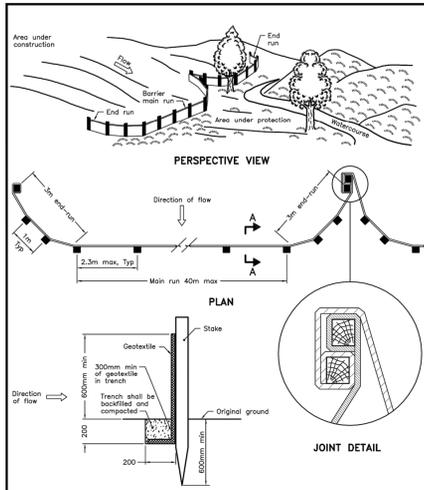
APPROVED BY:

SHEET TITLE
PONDING PLAN

SHEET NUMBER
C-600

ISSUE
1

CITY FILE No. D07-XX-XX-XXXX
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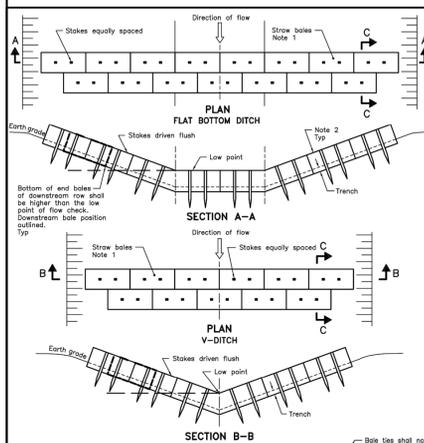


NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2

LIGHT-DUTY SILT FENCE BARRIER

OPSD 219.110

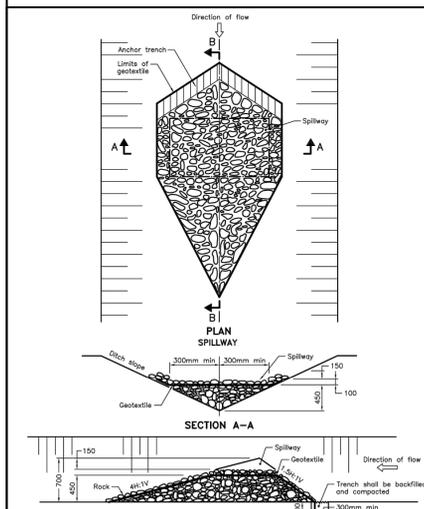


NOTE:
1 Number of bales varies and shall suit ditch.
2 Straw bales shall be butted tightly against adjoining bales and shaped to conform to the sides of the ditch to prevent water flow through barrier.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2

STRAW BALE FLOW CHECK DAM

OPSD 219.180



NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2

TEMPORARY ROCK FLOW CHECK DAM V-DITCH

OPSD 219.210

NOTES:

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
2. SILT FENCE TO BE ERRECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT PHASE.
3. SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET C&S TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
4. WORKS NOTED ABOVE ARE TO BE INSTALLED, INSPECTED, MAINTAINED AND ULTIMATELY REMOVED BY SERVICING CONTRACTOR.
5. THIS IS A "LIVING DOCUMENT" AND MAY BE MODIFIED IN THE EVENT THE PROPOSED CONTROL MEASURES ARE INSUFFICIENT.
6. SEE DRAWING C-010 FOR ADDITIONAL DETAILS AND NOTES.

LEGEND:

- LIGHT DUTY SILT FENCE AS PER OPSD-219.110
- SNOW FENCE
- STRAW BALE CHECK DAM AS PER OPSD-219.180
- ROCK CHECK DAM AS PER OPSD-219.210
- SILT SACK PLACED UNDER EXISTING CB COVER
- TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH



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SCALE CHECK

1:500

0 5 10 15 20 25m

SEAL

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PROJECT

ZENS - 4624 SPRATT

PROJECT NO:
135856

DRAWN BY:
D.D.S.G.

PROJECT MGR:
R.M.

CHECKED BY:
A.Z.

APPROVED BY:

SHEET TITLE

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

C-900

ISSUE

1

CITY FILE No. D07-xx-xx-xxxx