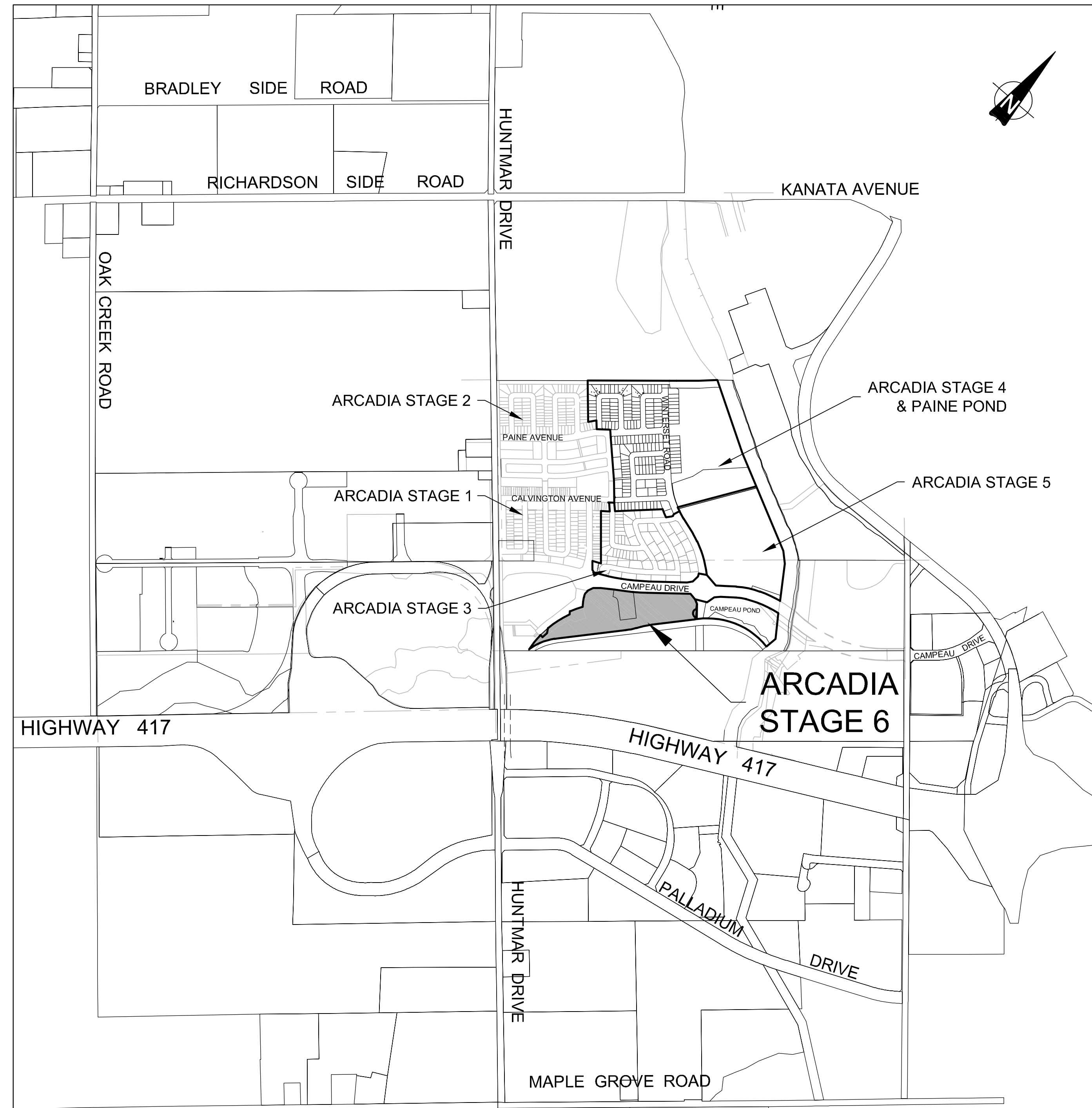


MINTO COMMUNITIES INC.  
 200-180 KENT STREET  
 OTTAWA, ON  
 K1P 0B6



**ARCADIA STAGE 6 DRAWING LIST**

Sheet Number	Sheet Title
CS	COVER SHEET
LEGEND	LEGEND SHEET
OS	OVERALL SITE SERVICING PLAN
S1	SITE SERVICING PLAN
S2	SITE SERVICING PLAN
01	STREET 1
02	STREET 1
03	STREET 2
04	STREET 3
05	STREET 4
06	STREET 5
07	STREET 6
08	EXISTING DONUM LANE
G1	GRADING PLAN
G2	GRADING PLAN
SWM1	PONDING PLAN
SWM2	PONDING PLAN
DST	STORM DRAINAGE PLAN
DSAN	SANITARY DRAINAGE PLAN
ESC	EROSION AND SEDIMENT CONTROL PLAN
D1	DETAILS PLAN

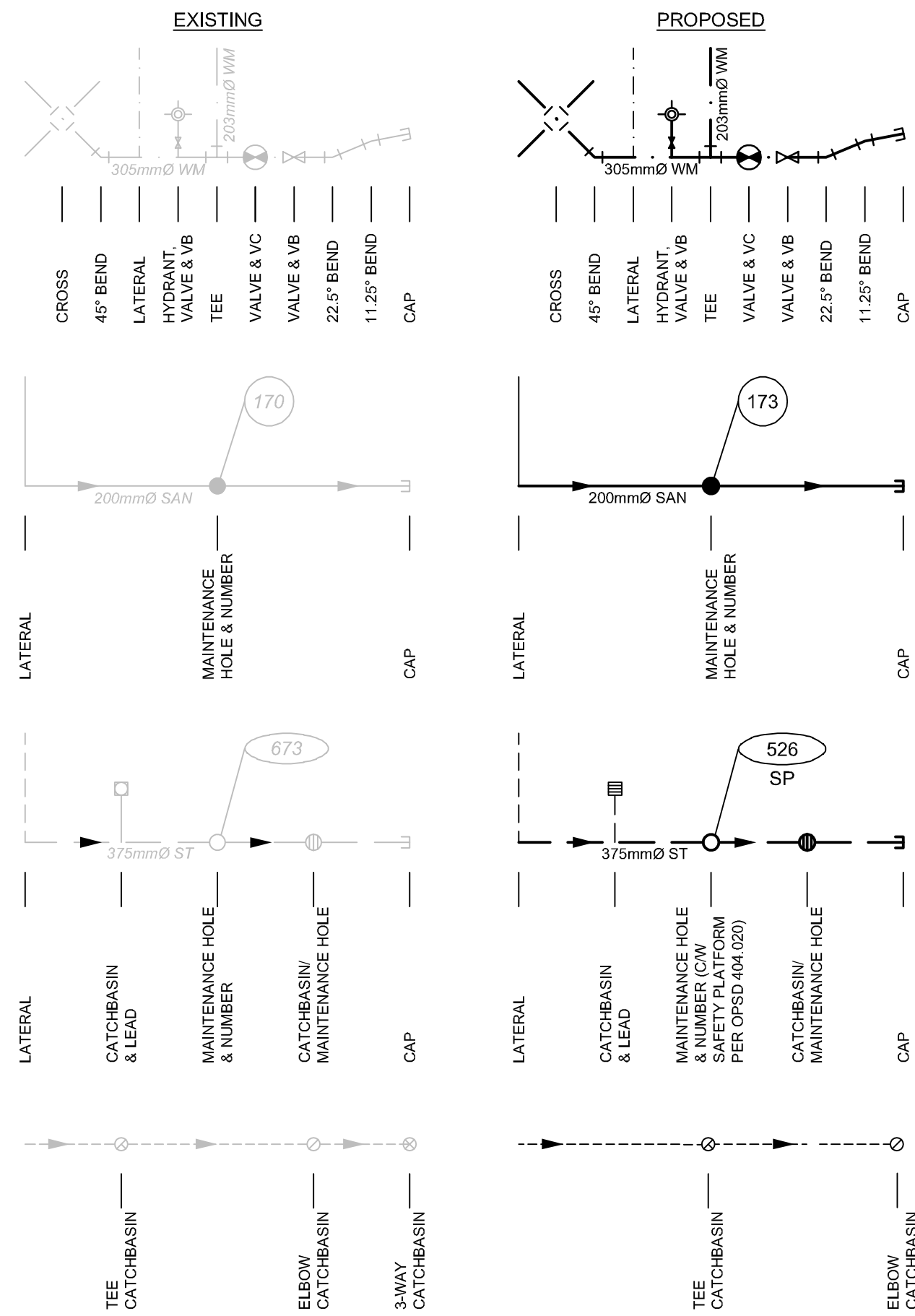
**J.L. Richards**  
 ENGINEERS-ARCHITECTS-PLANNERS

**J.L. Richards & Associates Limited**  
 864 Lady Ellen Place  
 Ottawa, ON Canada  
 K1Z 5M2  
 Tel: 613 728 3571  
 Fax: 613 728 6012

**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

ISSUED FOR REVIEW  
 JULY 19, 2022  
 JLR JOB# 26299-006



**SITE SERVICING**

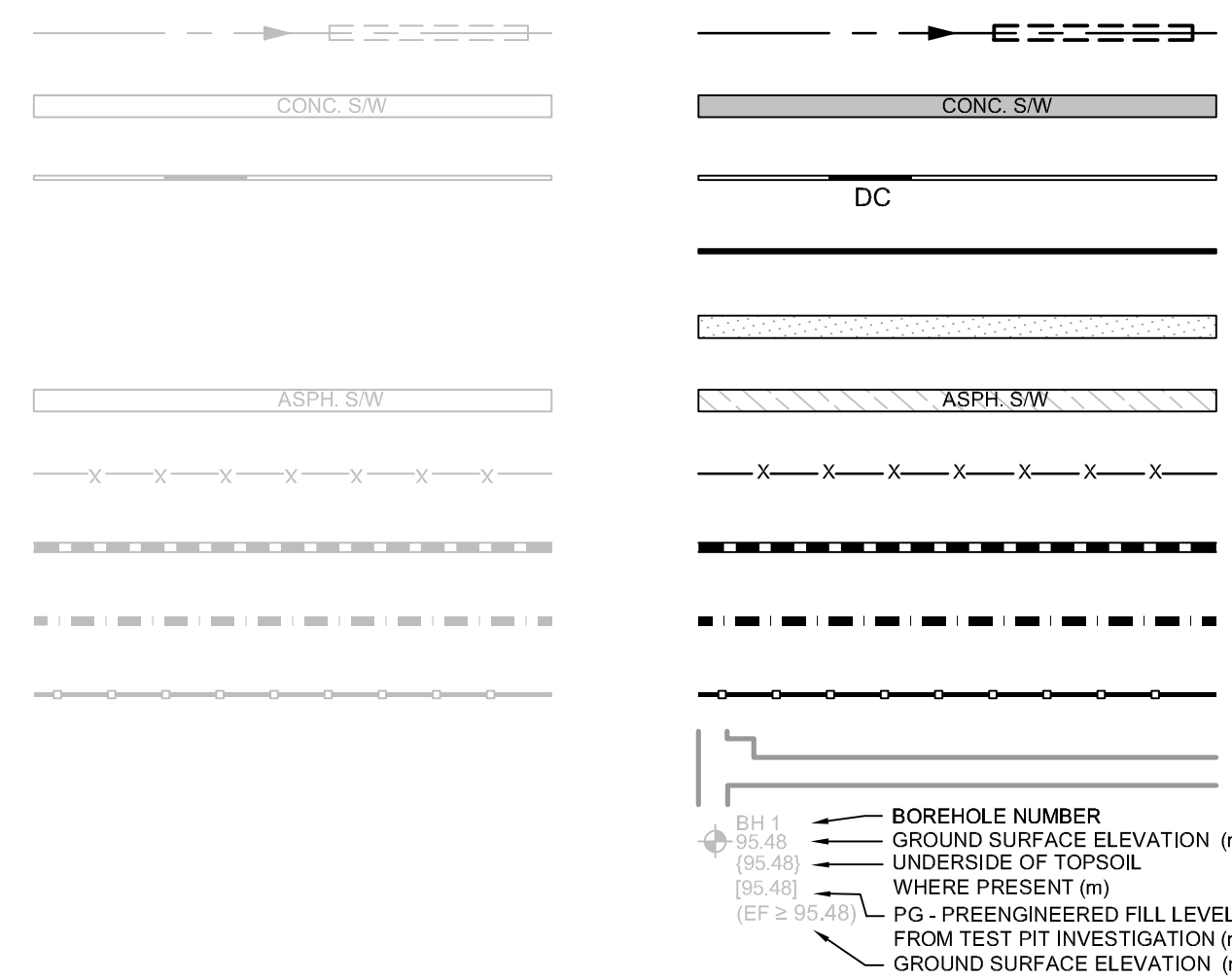
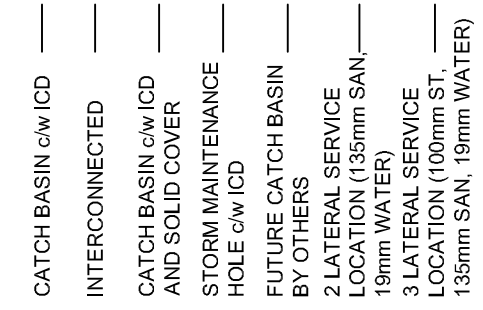
WATERMAIN

SANITARY SEWER

STORM SEWER

PERFORATED PIPE

CB & ICD SYMBOLS  
(REFER TO ICD TABLE FOR DETAILS)



DITCH AND CULVERT

CONCRETE SIDEWALK

BARRIER CURB & DEPRESSED CURB

MOUNTABLE CURB

ASPHALT ACCESS ROAD

ASPHALT SIDEWALK

CHAINLINK FENCE

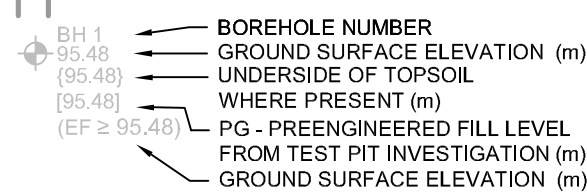
NOISE BARRIER

WOOD PRIVACY BARRIER

POST AND RAIL FENCE

EASEMENT

BOREHOLE (BH)

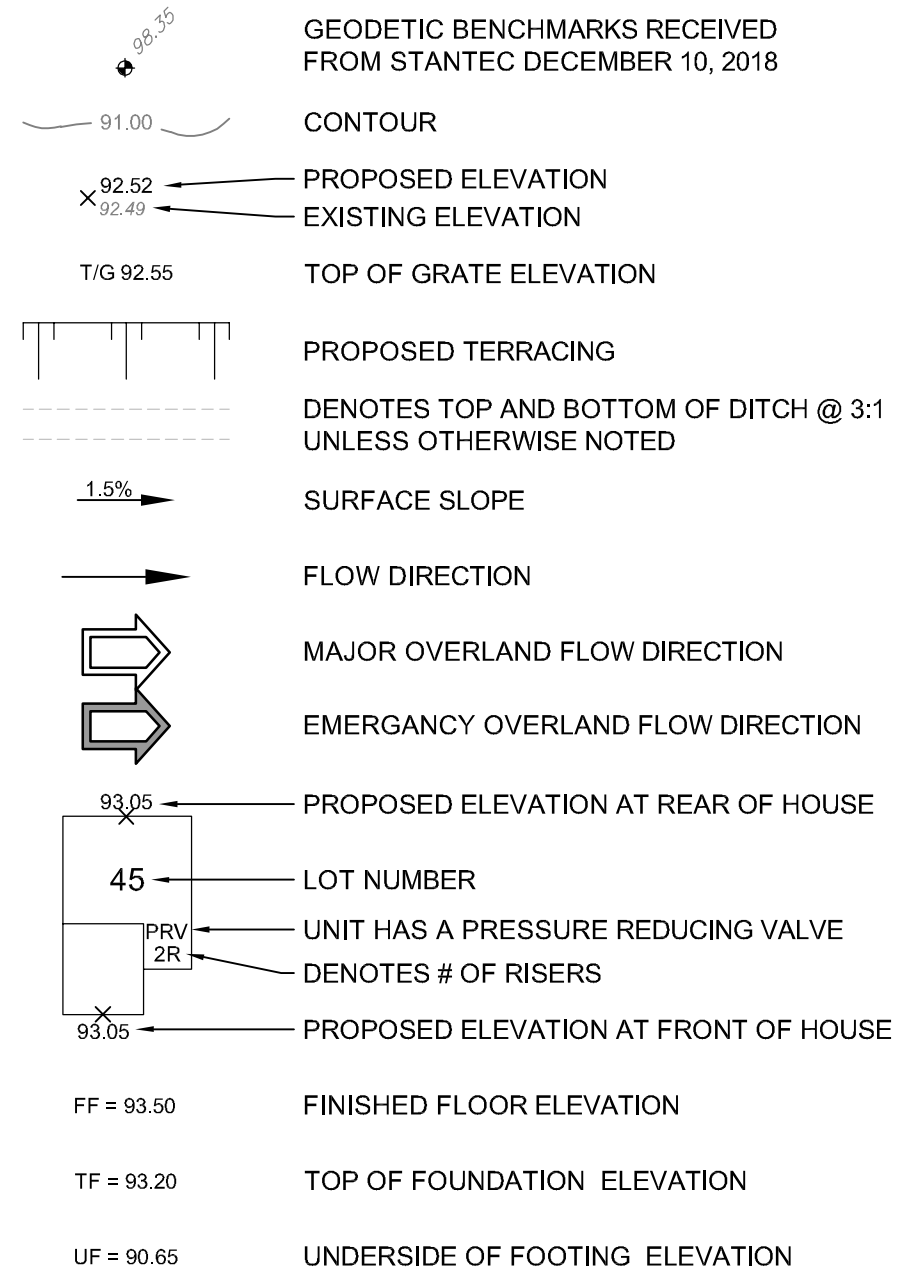


TESTPIT (TP)

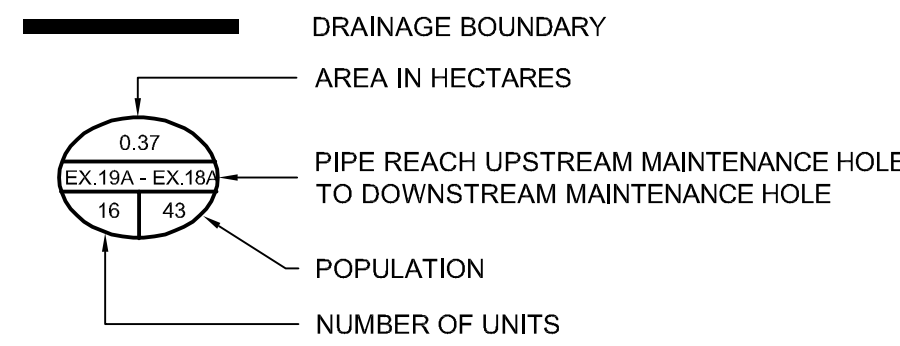
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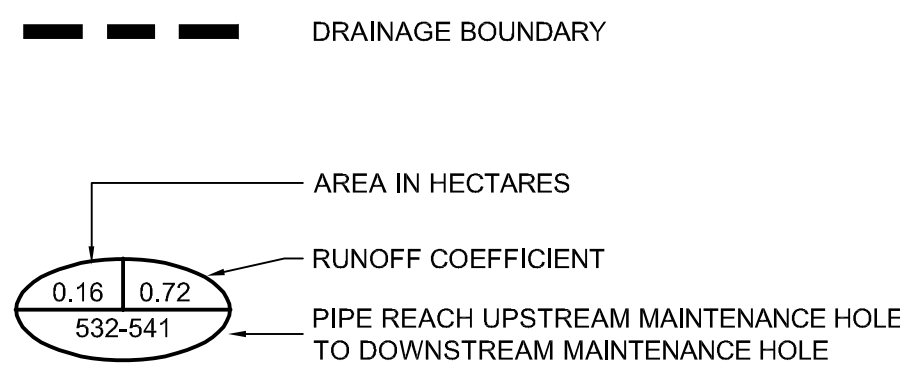
**GRADING**



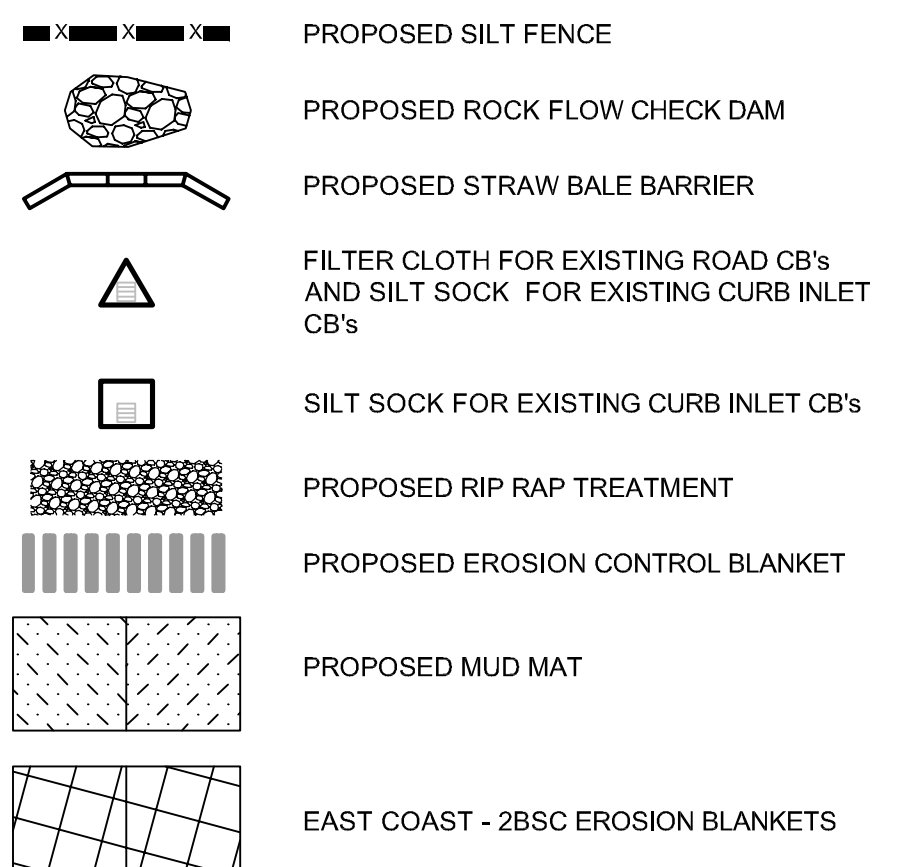
**SANITARY DRAINAGE**



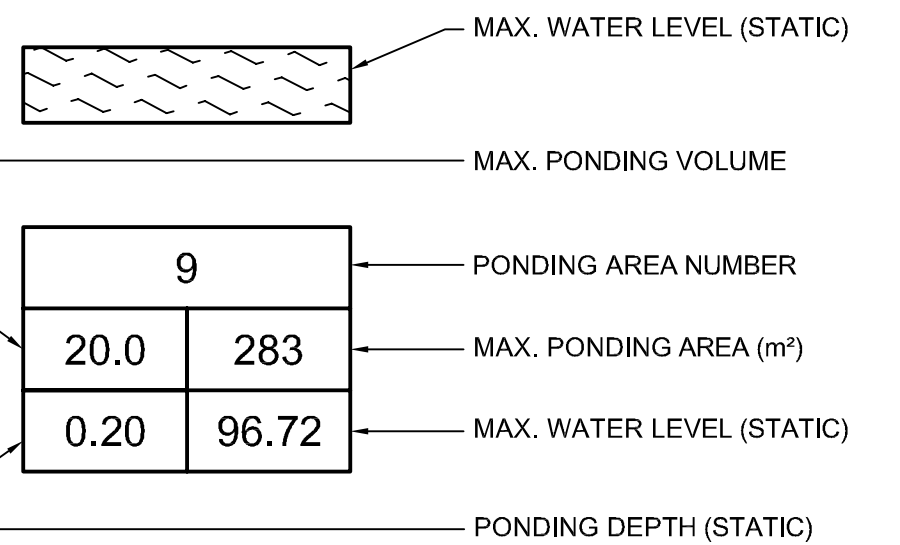
**STORM DRAINAGE**



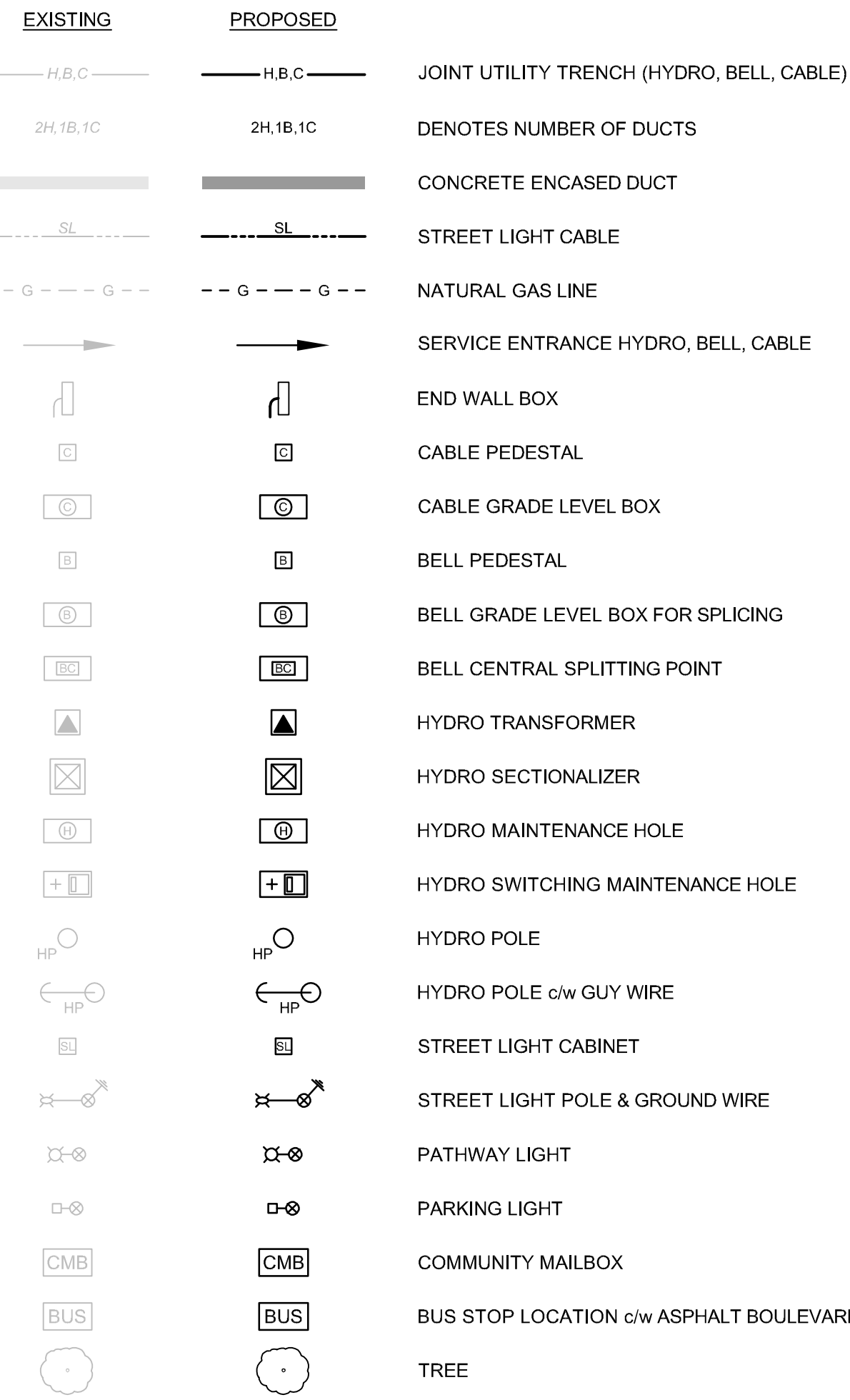
**EROSION & SEDIMENT CONTROL**



**PONDING (URBAN)**



**UTILITY**



**GENERAL NOTES**

- ALL MATERIALS, SERVICES AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE CITY OF OTTAWA CURRENT STANDARDS AND SPECIFICATIONS.
- ALL DIMENSIONS SHOWN ON PLANS ARE IN METRES UNLESS OTHERWISE NOTED.
- DRAWINGS TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION REPORT NUMBER PG5648-1 PREPARED BY PATERSON GROUP, DATED JUNE 30, 2022.
- UNLESS OTHERWISE NOTED, PIPE DIMENSIONS ARE MEASURED FROM THE CENTRELINE OF THE MAINTENANCE HOLE.
- THE INSIDE DIAMETER OF PIPES ARE REFERRED TO IN PLAN VIEW AND THE OUTSIDE DIAMETER OF PIPES ARE DRAWN IN PROFILE VIEW.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL SERVICES AND UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT AND ASSURE RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION, BACKFILL, REINSTATEMENT OF ALL AREAS DISTURBED DURING CONSTRUCTION AND ALL ASSOCIATED WORKS TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE, VIA EXCAVATION, THE EXACT LOCATION AND ELEVATION OF THE EXISTING WATERMANS, SEWERS AND UNDERGROUND STRUCTURES AS REQUIRED FOR ALL CONNECTIONS, RELOCATIONS AND BLANKINGS.
- EXCAVATION, FOR THE INSTALLATION OF SERVICES ALONG OR IN PROXIMITY OF A BUILDING AND STRUCTURES, TO BE CONTAINED WITHIN A TRENCH BOX WIDTH AND ENSURE NO CONFLICT WITH ANY FUTURE FOOTINGS. SELECT SUBGRADE MATERIAL, COMPACTED TO 100% SPMDD TO 1.0m BELOW EXISTING GRADE FOR FULL TRENCH WIDTH OF DISTURBED AREA SHALL BE USED FOR BACKFILL, INCLUDING ALONG ANY SEWERS AND WATERMANS ADJACENT TO A BUILDING AND OTHER STRUCTURES.
- ANY SERVICE LATERAL REQUIRED IN THE DRIVEWAY MUST BE SLEEVED THROUGH UNDER THE GARAGE FLOOR AREA.
- PIPE SEPARATION AS PER CITY OF OTTAWA ROW CROSS SECTIONS.
- SERVICING CONTRACTOR TO PERFORM AN INFILTRATION TEST AS PER OPSD MUNI 410.07.16.03 FOR SANITARY SEWERS BELOW THE WATER TABLE TO ENSURE INFILTRATION LEVELS ARE BELOW THOSE SPECIFIED IN THE OPSD.

**WATERMAIN NOTES**

- EXISTING WATERMAIN INFORMATION SHOWN ON PLANS IS BASED ON BEST CURRENT INFORMATION. CONTRACTOR TO VERIFY EXACT LOCATION OF WATERMAIN AND APPURTENANCES. REPORT ANY DISCREPANCIES TO ENGINEER.
- EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY CONTRACTOR, UNLESS OTHERWISE NOTED, NO WATERMAIN SITE WORK IS TO COMMENCE UNLESS THE CITY OF OTTAWA WATER WORKS INSPECTOR AND/OR CONSULTANT ARE PRESENT ON SITE TO WITNESS WORK.
- WATERMAIN TO BE PVC DR-18.
- WATERMAIN AND WATER SERVICE TO HAVE A MINIMUM OF 2.4 METERS OF COVER. INSULATION TO BE PROVIDED WHERE MINIMUM COVER CANNOT BE ACHIEVED AS PER CITY STANDARD W22 AND WHERE WATERMAIN IS IN PROXIMITY TO OPEN STRUCTURES AS PER CITY STANDARD W23. WATERMAIN TO BE INSTALLED TO DEPTHS SHOWN ON PLANS.
- ALL WATERMANS AND WATER SERVICES LESS THAN 2.4m FROM A STORM SEWER, CATCH BASIN OR MANHOLE SHALL BE INSULATED IN ACCORDANCE WITH THE CITY OF OTTAWA'S REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION [F-4415].
- WATER SERVICES TO BE EXTENDED WITH A CONTINUOUS PEX SECTION PAST THE STAND POST AND LEFT COILED 3.0m PAST THE PROPERTY LINE.
- WATERMAIN THRUST BLOCKS TO BE CONSTRUCTED PER CITY OF OTTAWA DETAILS W25.3 AND W25.4. THRUST BLOCKS ARE REQUIRED AT ALL BENDS, TEES, PLUGS, DEAD END CAPS, VALVES, REDUCERS OR OTHER FITTINGS WHERE CHANGES OCCUR IN PIPE DIAMETER OR DIRECTION ALL IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS.
- ALL UNITS TO HAVE A PRESSURE REDUCING VALVE ON THE WATER SERVICE.

**STORM SEWER NOTES**

- STORM SEWERS TO BE REINFORCED CONCRETE, PVC DR-35, OR CITY APPROVED EQUIVALENT.
- STORM SEWERS WITHIN ROADWAY WITH LESS THAN 2.0m COVER SHALL BE INSULATED.
- STORM MAINTENANCE HOLES TO BE PRECAST CONCRETE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE NOTED.
- STORM CATCH BASIN STRUCTURES TO BE 600mm x 600mm PRECAST CONCRETE OR APPROVED EQUIVALENT C-W 600mm DEEP SUMP AND FRAME AND COVER PER CITY OF OTTAWA DETAIL S19, UNLESS OTHERWISE NOTED.
- BOULEVARD/REAR YARD CATCH BASINS PER CITY OF OTTAWA DETAIL S29 SHALL HAVE SOLID FRAME AND COVER.
- REAR YARD CATCH BASIN TEES AND ELBOWS AS PER CITY OF OTTAWA DETAIL DRAWING S30 AND S31.
- STREET CATCH BASIN LEADS TO BE INSTALLED WITH 1% GRADIENT MINIMUM, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
- STORM SERVICES TO BE EXTENDED 3.0m PAST THE PROPERTY LINE.
- 6m SUBDRAIN STUBS c/w CLEAR STONE, WRAPPED IN FILTER SOCK, TO BE INSTALLED ON EITHER SIDE OF STREET CATCH BASINS LOCATED IN A ROADWAY SAGS AND ON THE HIGH SIDE ONLY (i.e. THE UPSTREAM SIDE) FOR STREET CATCH BASINS NOT LOCATED IN A ROADWAY SAGS. THE SUBDRAINS ARE TO BE AS PER CITY OF OTTAWA STANDARD R1 AND TIED INTO THE CATCH BASINS.
- INLET CONTROL DEVICES TO BE VERTICAL SLIDING TYPE FOR REMOVAL FOR CLEANING AS PER CITY OF OTTAWA STANDARDS.

**SANITARY SEWER NOTES**

- SANITARY SEWERS TO BE PVC DR-35.
- SANITARY SERVICES TO BE EXTENDED 3.0m PAST THE PROPERTY LINE.
- SANITARY MAINTENANCE HOLES TO BE PRECAST CONCRETE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), ALL SANITARY MAINTENANCE HOLE COVERS TO BE PER CITY OF OTTAWA DETAIL S24.
- CONTRACTOR TO INSTALL TEMPORARY INLET CONTROL DEVICE (ICD) IN SANITARY MAINTENANCE HOLE 101A c/w 38mm ORIFICE DIAMETER. THE ICD SHALL BE INSTALLED AND OPERABLE AT THE ONSET OF SEWER CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL WRITTEN NOTIFICATION BY THE ENGINEER TO BE REMOVED. REFER TO DRAWING D1 FOR TEMPORARY ICD DETAIL.
- MATCH EXISTING ELEVATIONS AT ALL EXTERIOR PROPERTY LINES. ENSURE POSITIVE DRAINAGE TOWARD A SUITABLE OUTLET WHETHER INDICATED OR NOT.
- UNDERSIDE OF FOOTING, TOP OF FOUNDATIONS AND FINISHED FLOOR ELEVATIONS HAVE BEEN SET FOR GRADING DRAINAGE PURPOSES ONLY. BUILDERS SHALL CONSULT THE GEOTECHNICAL INVESTIGATION REPORT NUMBER PG5648-1 PREPARED BY PATERSON GROUP, DATED JUNE 30, 2022 FOR THIS SUBDIVISION PRIOR TO CONSTRUCTION. BUILDERS SHALL OBTAIN A SUBGRADE INSPECTION REPORT FROM A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
- ROADWAY SUBGRADE SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF GRANULARS, ABOVE WOVEN GEOTEXTILE (IF REQUIRED). ROADWAY MATERIAL AND COMPACTION INSPECTION TO BE CARRIED OUT BY A QUALIFIED GEOTECHNICAL ENGINEER AS REQUIRED BY THE MUNICIPALITY.
- ROAD STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS SUBDIVISION AT MINIMUM.

**GRADING NOTES:**

- UNDERSIDE OF FOOTING, TOP OF FOUNDATIONS AND FINISHED FLOOR ELEVATIONS HAVE BEEN SET FOR GRADING DRAINAGE PURPOSES ONLY. BUILDERS SHALL CONSULT THE GEOTECHNICAL INVESTIGATION REPORT NUMBER PG5648-1 PREPARED BY PATERSON GROUP, DATED JUNE 30, 2022 FOR THIS SUBDIVISION PRIOR TO CONSTRUCTION. BUILDERS SHALL OBTAIN A SUBGRADE INSPECTION REPORT FROM A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
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- ROAD STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS SUBDIVISION AT MINIMUM.

**DRIVEWAYS:**

- 50mm WEAR COURSE - HL3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE
- 150mm BASE - OPSS GRANULAR 'A' COMPACTED TO 98% SPMD
- 300mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMD

**LOCAL ROADS:**

- 40mm WEAR COURSE - SP 12.5 ASPHALTIC CONCRETE
- 50mm UPPER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 50mm LOWER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 150mm BASE - OPSS GRANULAR 'A' COMPACTED TO 98% SPMD
- 400mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMD

**COLLECTOR ROADS:**

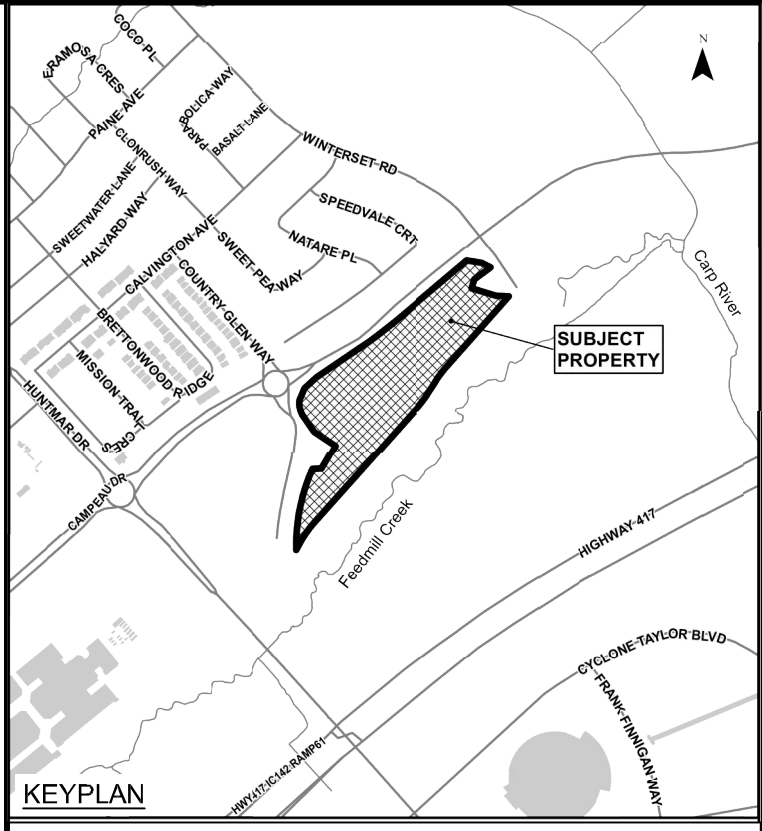
- 40mm WEAR COURSE - SP 12.5 ASPHALTIC CONCRETE
- 50mm UPPER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 50mm LOWER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 150mm BASE - OPSS GRANULAR 'A' COMPACTED TO 98% SPMD
- 600mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMD

**COLLECTOR ROADS:**

- 40mm WEAR COURSE - SP 12.5 ASPHALTIC CONCRETE
- 50mm UPPER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 50mm LOWER BINDER COURSE - SUPERPAVE 19.0 ASPHALTIC CONCRETE
- 150mm BASE - OPSS GRANULAR 'A' COMPACTED TO 98% SPMD
- 600mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMD

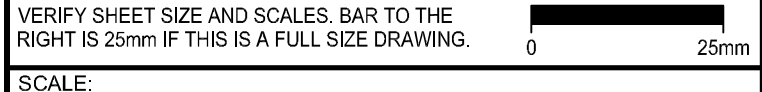
**EROSION AND SEDIMENT CONTROL NOTES:**

- DURING CONSTRUCTION ACTIVITIES APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN MIRA'S "GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR URBAN CONSTRUCTION SITES" SHALL BE IMPLEMENTED TO TRAP SEDIMENT ON-SITE. (REFER TO EROSION & SEDIMENT CONTROL PLAN, DRAWING ESC.)



No.	ISSUE / REVISION	DATE
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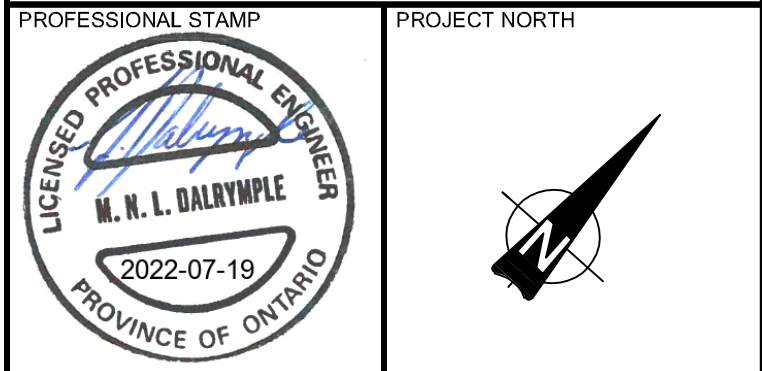
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CONSULTANT: www.jlrchards.ca



CONSULTANT:



PROJECT:

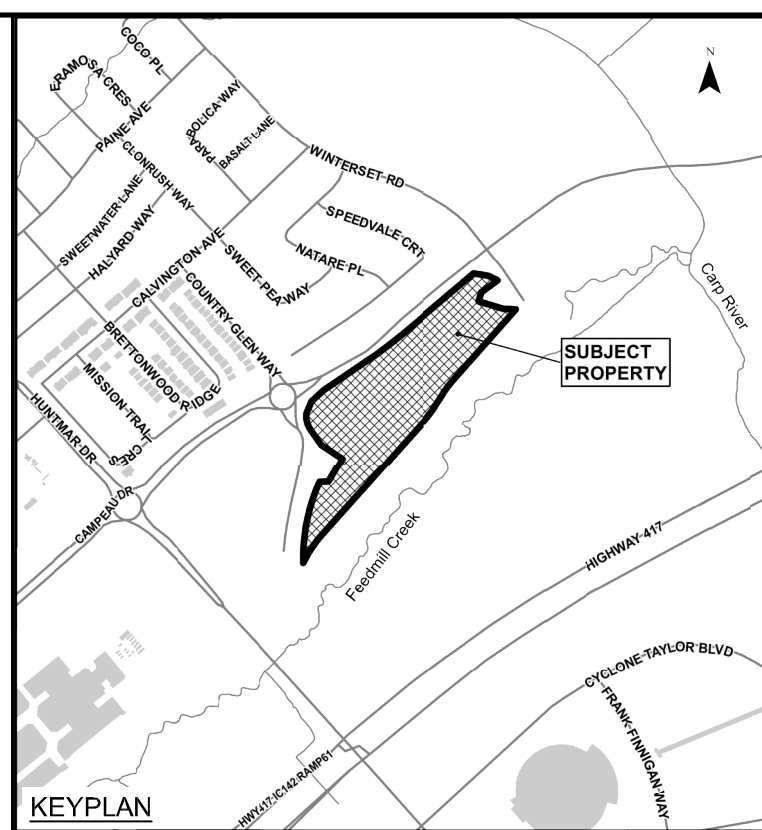
ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING:

LEGEND SHEET

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>LEGEND</b>
CHECKED: LD	
JLR #: 26299-006	



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CLIENT:

CONSULTANT:

J.L. Richards  
ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

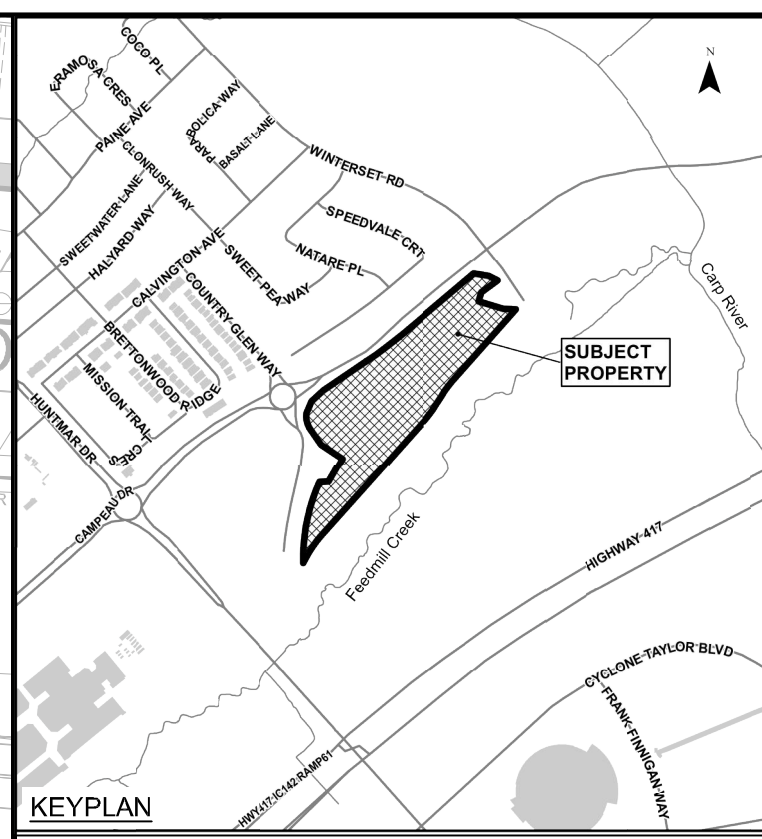
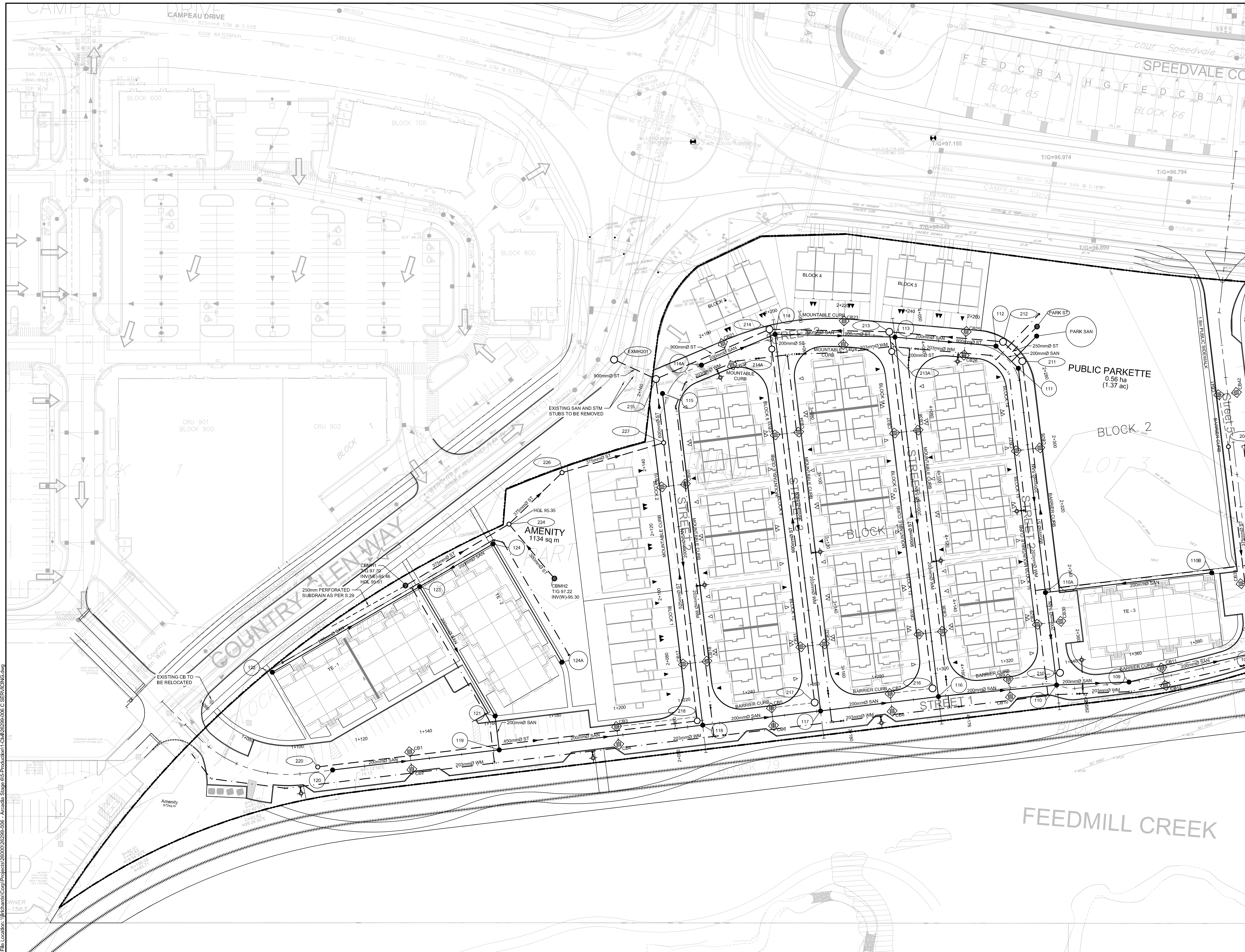
DRAWING:

**OVERALL SITE SERVICING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>OS</b>
CHECKED: LD	
JLR #: 26299-006	

File Location: \\jrichards\corp\projects\26000\26299-006 - Arcadia Stage 05-Production\1-Civil\26299-006 C SERVICING.dwg

PLOT DATE: July 19, 2022 10:47:36 AM



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CLIENT:

CONSULTANT:

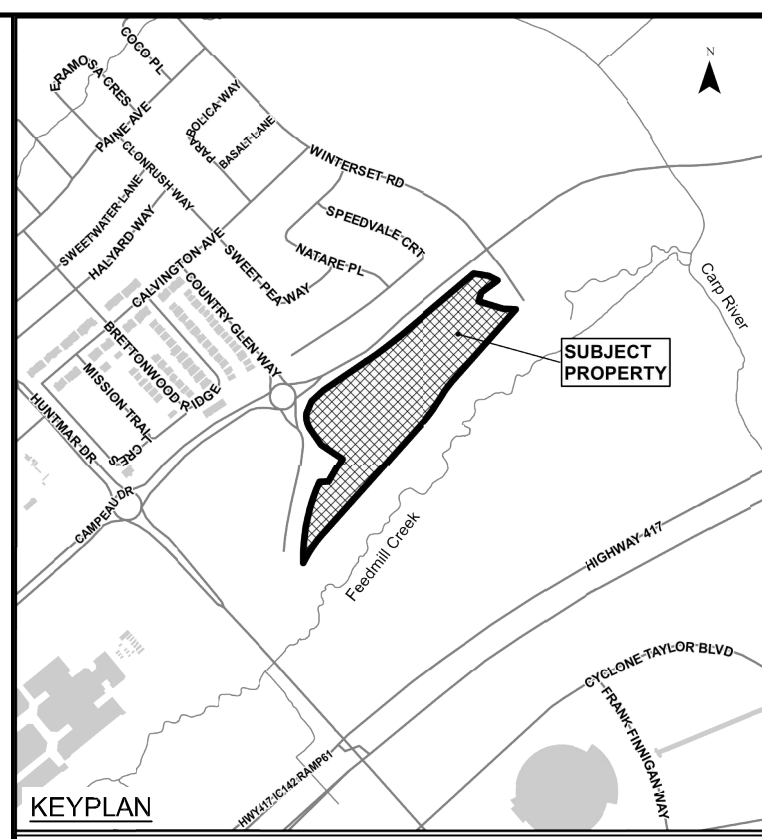
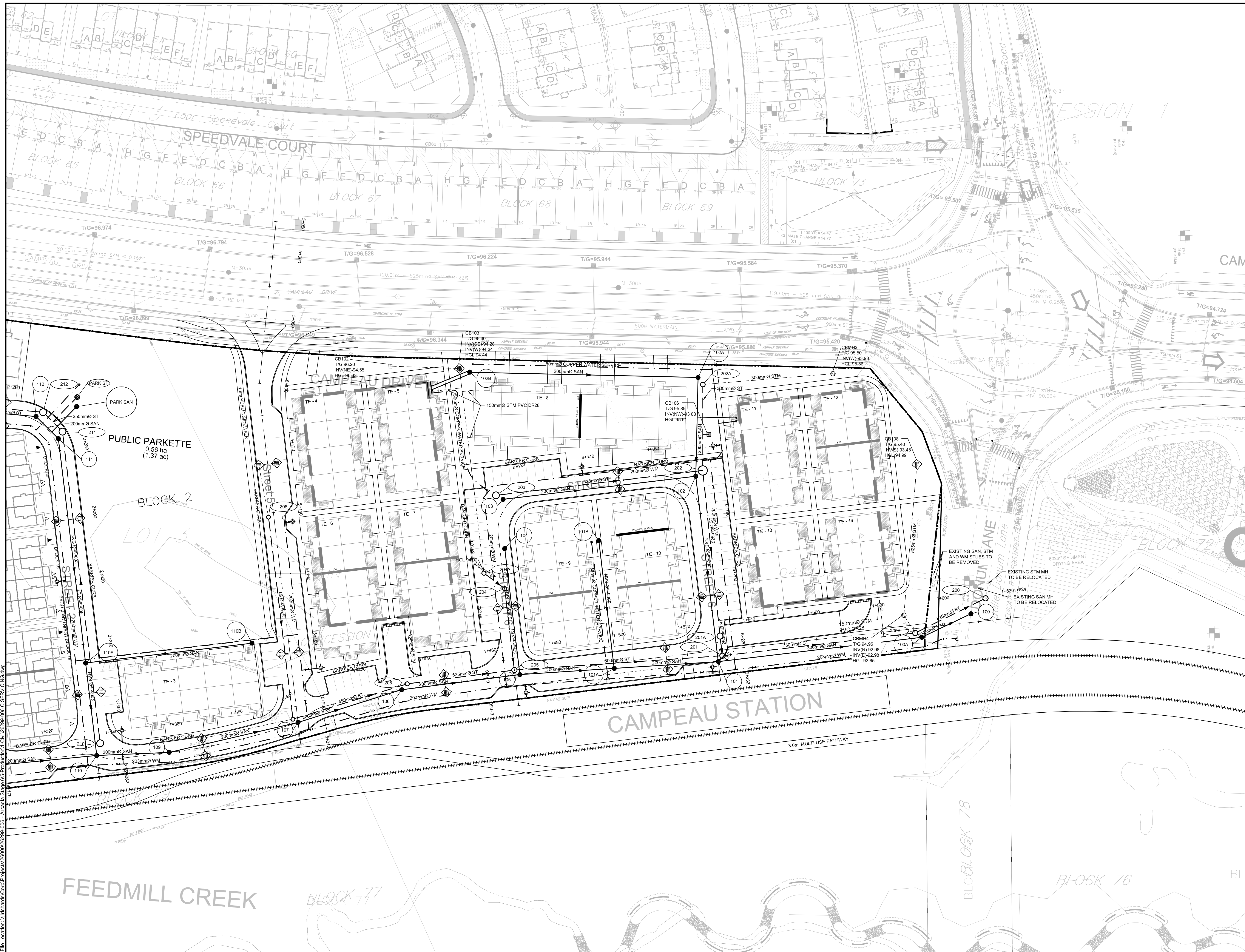
PROFESSIONAL STAMP

PROJECT:  
**ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE  
 DRAWING:  
**SITE SERVICING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>S1</b>
CHECKED: LD	
JLR #: 26299-006	

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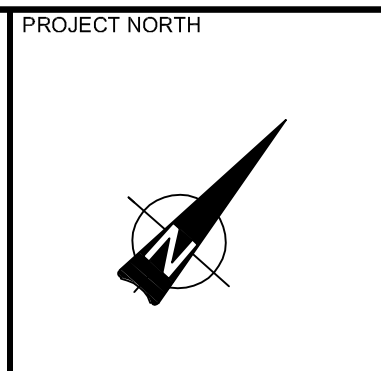
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CONSULTANT:

CONSULTANT:

PROFESSIONAL STAMP



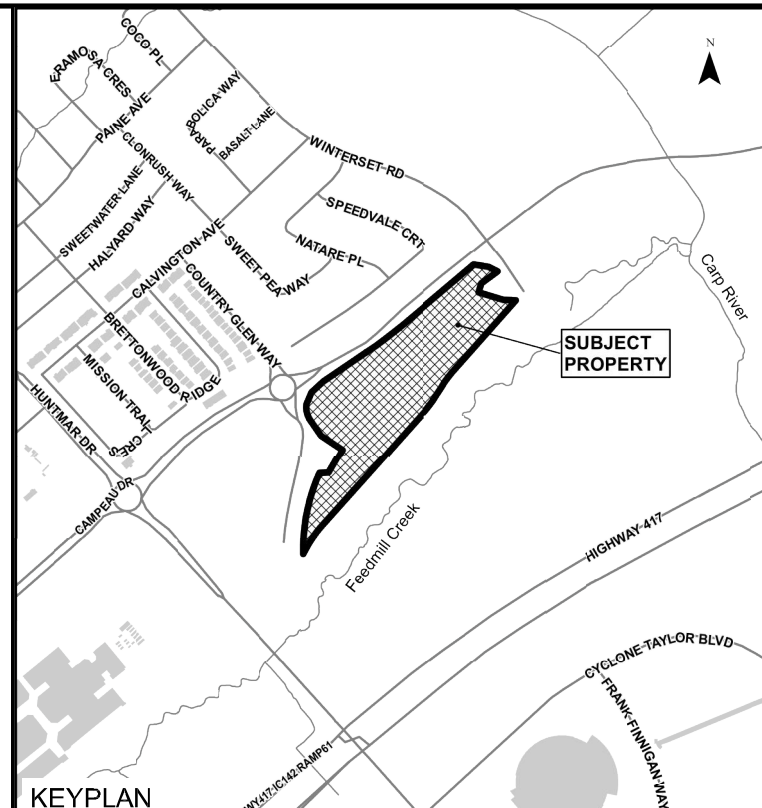
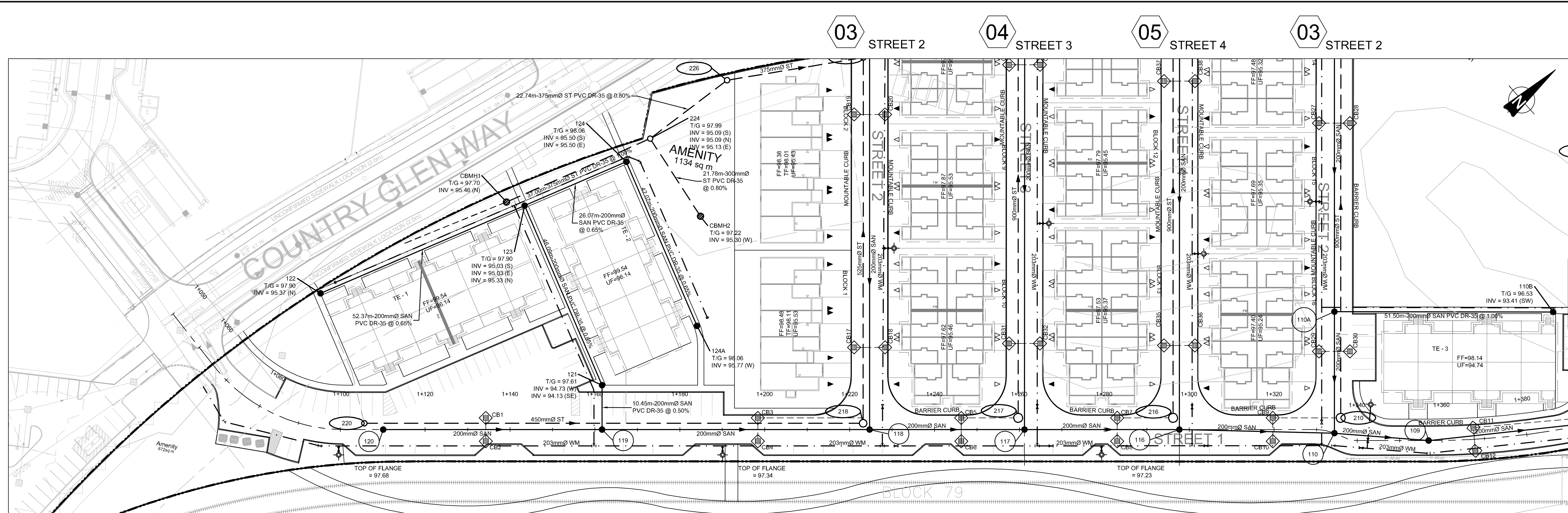
PROJECT:  
**ARCADIA STAGE 6**  
 450 HUNTMAR DRIVE

DRAWING:  
**SITE SERVICING PLAN**

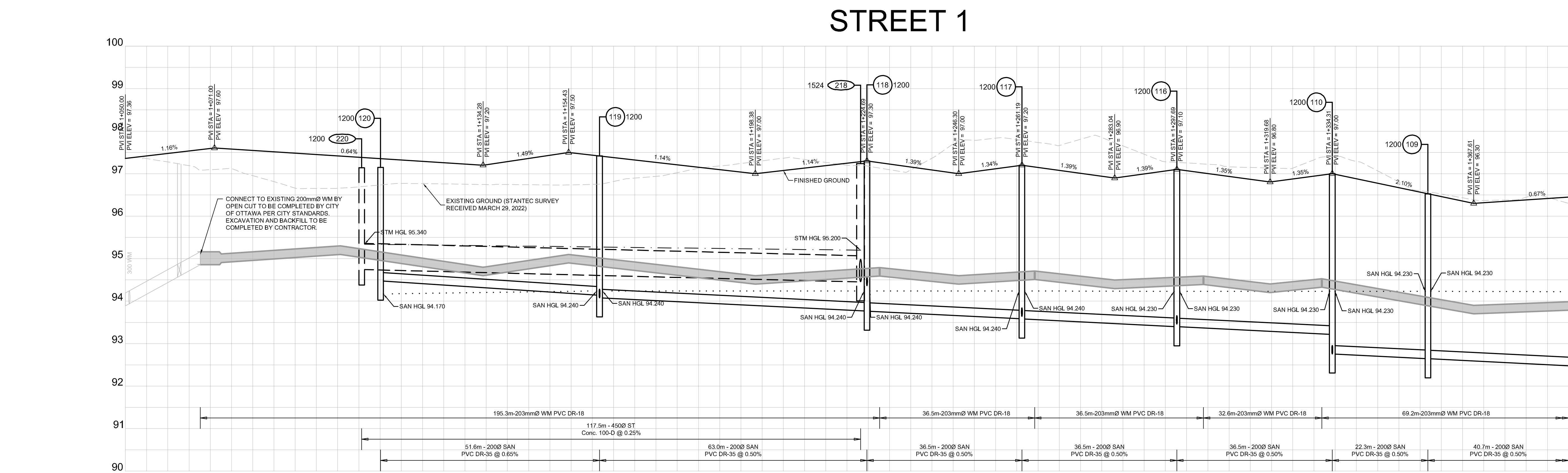
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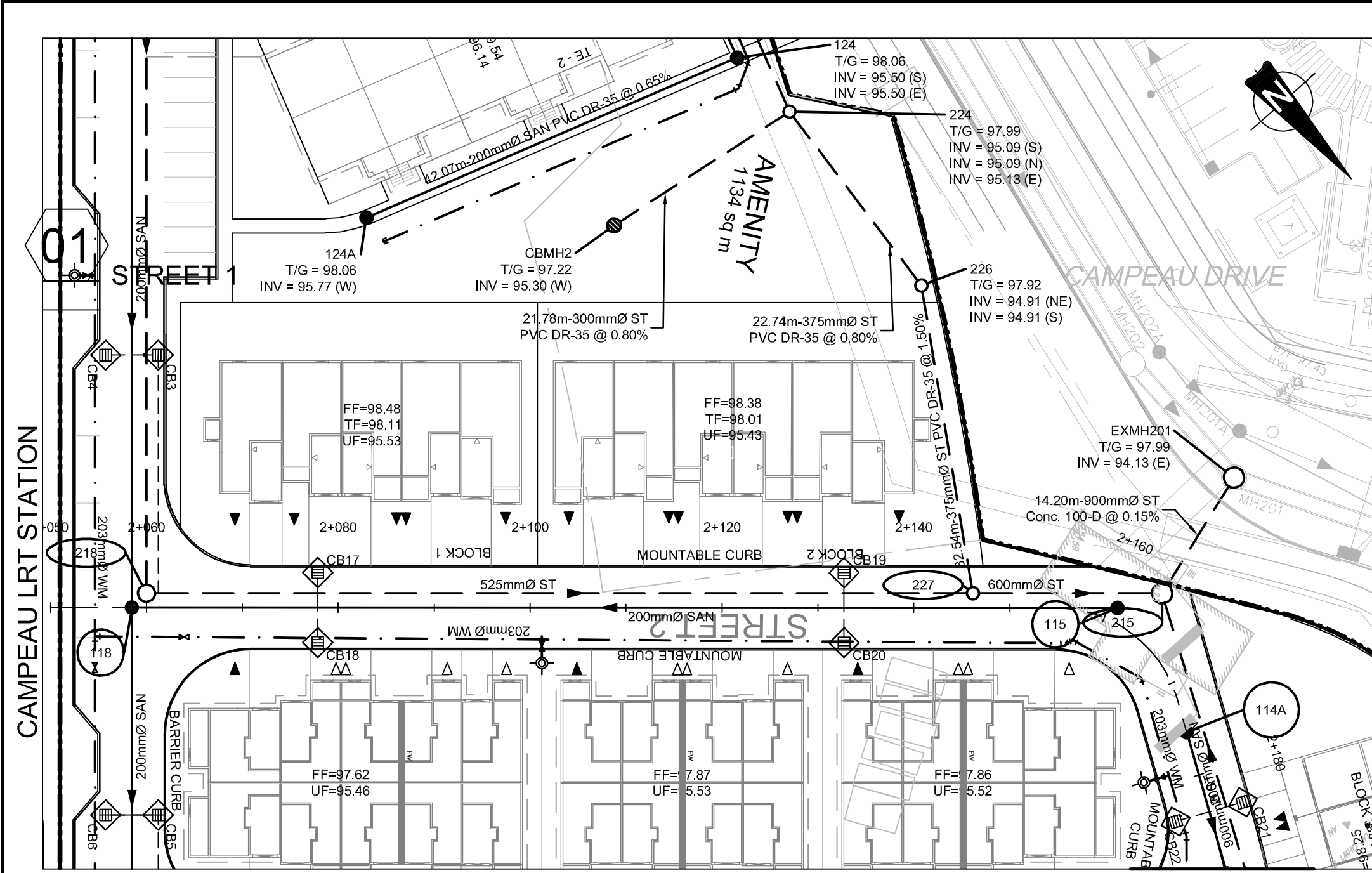


- LEGEND:**
- EXISTING CATCH BASIN
  - PROPOSED CATCH BASIN w/ LEAD
  - PROPOSED TEE CATCH BASIN
  - PROPOSED 3-WAY CATCH BASIN
  - PROPOSED WATERMAIN, VALVE & HYDRANT
  - PROPOSED WATERMAIN REDUCER
  - EXISTING WATERMAIN, VALVE & HYDRANT
  - EXISTING SANITARY SEWER & MANHOLE
  - EXISTING STORM SEWER & MANHOLE
  - PROPOSED SANITARY SEWER & MANHOLE
  - PROPOSED STORM SEWER & MANHOLE
  - MANHOLE NUMBER AND SIZE (mm) CW SAFETY PLATFORM PER SP25-04-300
  - 2 LATERAL, SERVICE CONNECTION (150 mm SAN, 19 mm Water)
  - 3 LATERAL, SERVICE CONNECTION (100 mm ST, 150 SAN, 19 mm Water)
  - CONC. SIDEWALK
  - ASPHALT SIDEWALK
  - FW DENOTES FIRE WALL IN UNIT

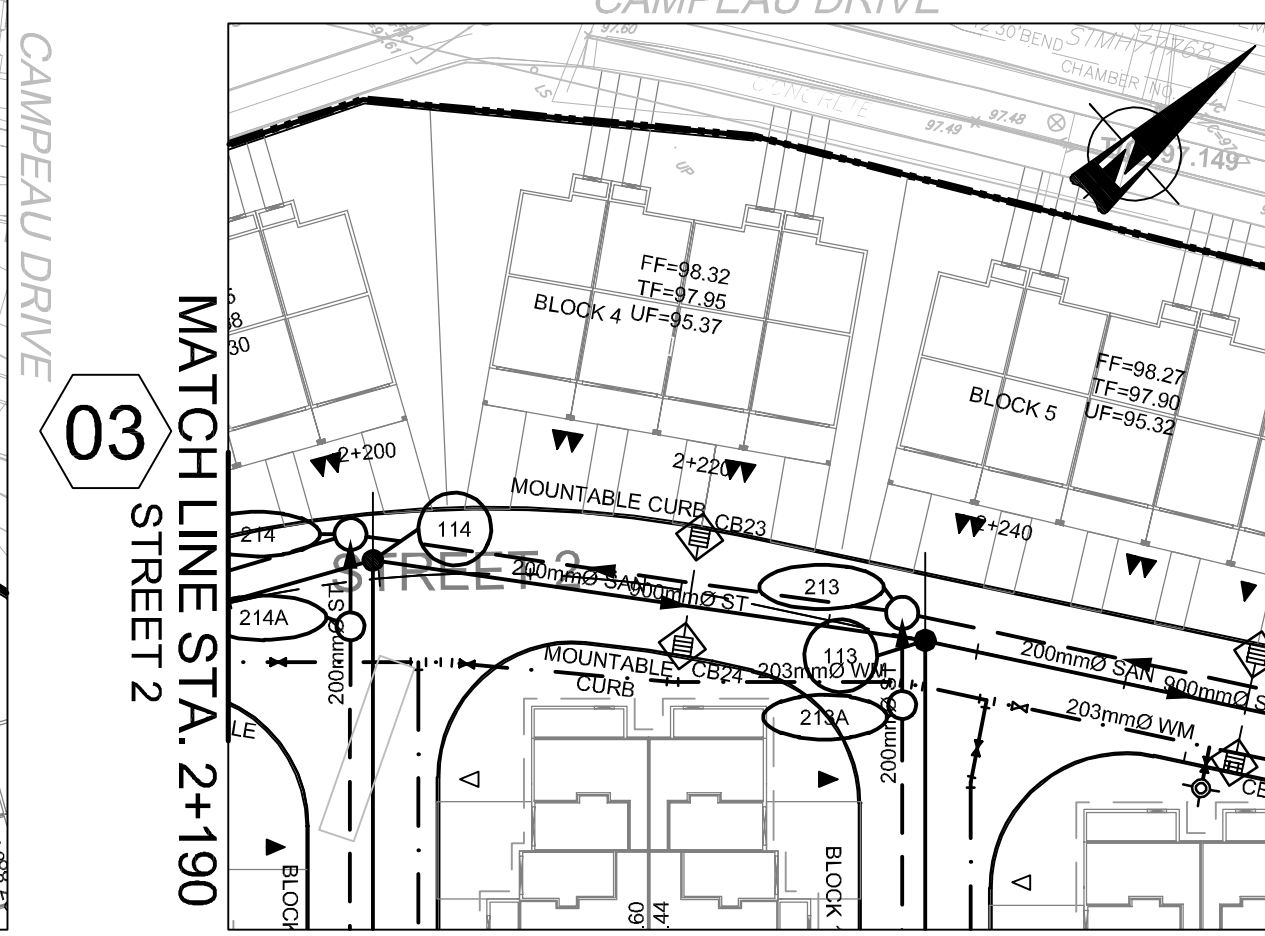


DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.360				+1050.00
97.476				+1030.00
97.564	94.194			+1037.65
97.594	94.194			+1072.41
97.574	94.194			+1075.56
97.418				+1080.00
97.445				+1095.71
97.420				+1099.74
97.418				+1100.00
97.418				+1105.67
97.418				+1110.11
97.290				+1120.00
97.285				+1140.00
97.437				+1163.53
97.437				+1161.69
97.209				+1180.00
97.085				+1190.06
97.018				+1200.00
97.247				+1220.00
97.258				+1223.19
97.213				+1227.69
97.098				+1230.95
97.018				+1240.00
97.247				+1260.00
97.258				+1263.19
97.213				+1267.45
97.098				+1279.33
97.018				+1300.00
97.247				+1320.00
97.258				+1327.69
97.213				+1330.95
97.098				+1340.00
97.018				+1342.36
97.247				+1353.24
97.258				+1355.24
97.213				+1360.00
97.098				+1360.00
97.018				+1360.00
97.247				+1360.00
97.258				+1360.00
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97.018				+1360.00
97.247				+1360.00
97.258				+1360.00
97.213				+1360.00
97.098				+1360.00
97.018				+1360.00
97.247				+1360.00
97.258				+1360.00
97.213				+1360.00
97.098				+1360.00
97.018				+1360.00
97.247				+1360.00
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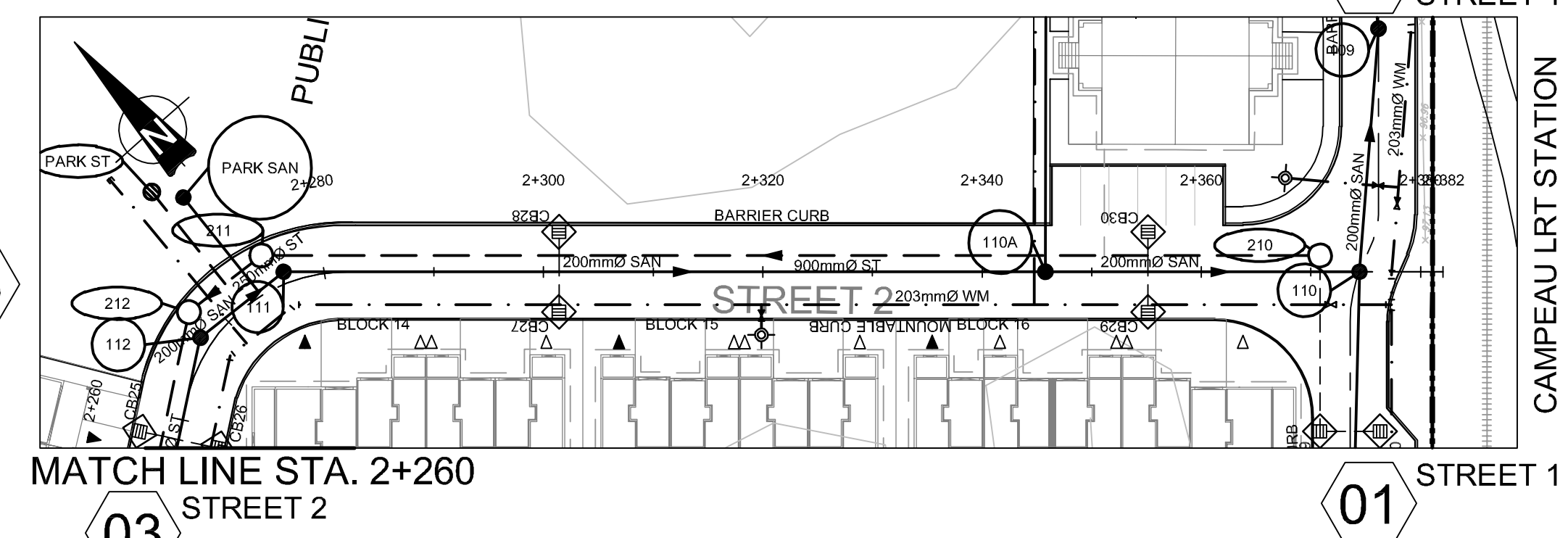




MATCH LINE STA. 2+190  
STREET 2

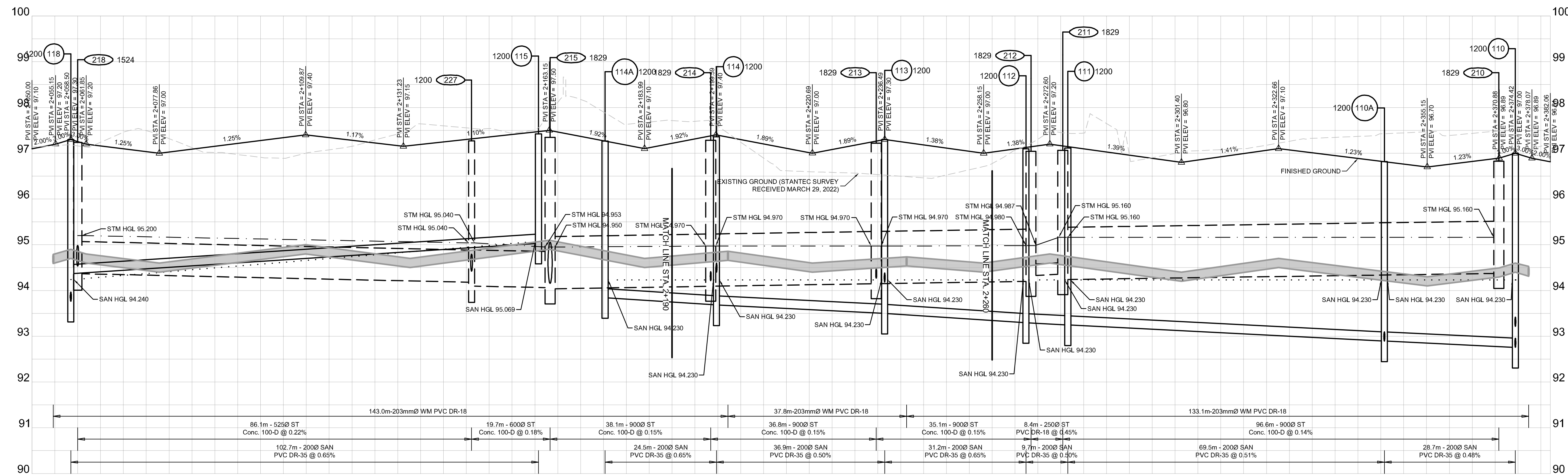


MATCH LINE STA. 2+260  
STREET 2

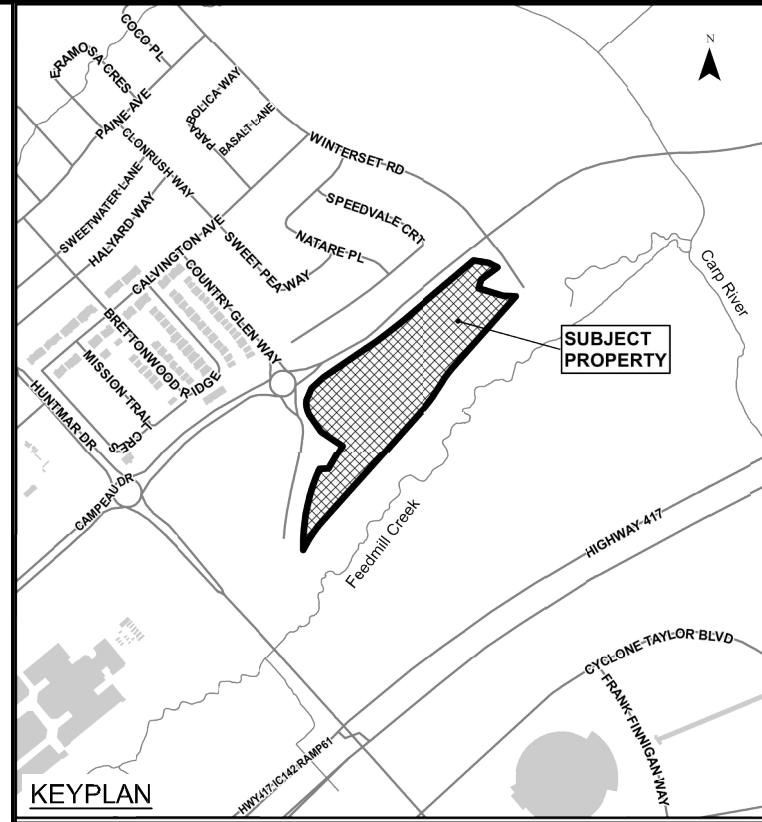


MATCH LINE STA. 2+260  
STREET 2

# STREET 2



STATION	DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
2+050.00	97.696	97.190			2+050.00
2+054.65	97.190	TEE			2+054.65
2+058.50	97.255	94.855	94.457	94.364	2+058.50
2+060.00	97.255	VALVE & VALVE BOX			2+060.00
2+063.92	97.027	94.627			2+063.92
2+080.00	97.027				2+080.00
2+100.00	97.277	94.877	94.277	94.182	2+100.00
2+101.22	97.292	94.892	94.292	94.197	2+101.22
2+120.00	97.291	94.867	94.291	94.196	2+120.00
2+140.00	97.246	94.796	94.246	94.151	2+140.00
2+146.15					2+146.15
2+156.05	97.422	95.007	94.422	94.327	2+156.05
2+157.28	45° HORIZ. BEND	94.725	94.125	94.030	2+157.28
2+160.00	45° HORIZ. BEND	95.059	94.459	94.364	2+160.00
2+166.78		95.010	94.410	94.315	2+166.78
2+167.85	45° HORIZ. BEND	94.792	94.192	94.100	2+167.85
2+175.33	HYDRANT, VALVE & TEE	94.717	94.117	94.022	2+175.33
2+180.00	94.717	94.717	94.117	94.022	2+180.00
2+185.80	11.25° HORIZ. BEND	94.716	94.116	94.021	2+185.80
2+192.36	94.773	94.773	94.173	94.078	2+192.36
2+198.44	VALVE & VALVE BOX	94.713	94.113	94.018	2+198.44
2+200.00	94.839	94.839	94.239	94.144	2+200.00
2+202.41	TEE	94.713	94.113	94.018	2+202.41
2+204.22	45° HORIZ. BEND	94.830	94.230	94.135	2+204.22
2+205.72	VALVE & VALVE BOX	94.811	94.211	94.116	2+205.72
2+220.00	94.811	94.811	94.211	94.116	2+220.00
2+225.53	5° HORIZ. BEND	94.603	94.003	93.908	2+225.53
2+235.12	94.684	94.684	94.084	93.989	2+235.12
2+236.64	11.25° HORIZ. BEND	94.264	93.664	93.569	2+236.64
2+240.00	94.726	94.726	94.126	94.031	2+240.00
2+241.30	TEE	94.724	94.124	94.029	2+241.30
2+243.51	VALVE & VALVE BOX	94.720	94.120	94.025	2+243.51
2+256.31	HYDRANT, VALVE & TEE	94.615	94.015	93.920	2+256.31
2+260.00	94.626	94.626	94.026	93.931	2+260.00
2+261.52	94.730	94.730	94.130	94.035	2+261.52
2+262.48	45° HORIZ. BEND	94.821	94.221	94.126	2+262.48
2+270.43	94.859	94.859	94.259	94.164	2+270.43
2+275.54	94.897	94.897	94.297	94.202	2+275.54
2+280.00	94.747	94.747	94.147	94.052	2+280.00
2+276.41	45° HORIZ. BEND	94.419	93.819	93.724	2+276.41
2+300.00	94.419	94.419	93.819	93.724	2+300.00
2+317.86	94.626	94.626	94.026	93.931	2+317.86
2+320.00	94.626	94.626	94.026	93.931	2+320.00
2+340.00	94.487	94.487	93.887	93.792	2+340.00
2+344.52	94.431	94.431	93.831	93.736	2+344.52
2+345.77	TEE	94.320	93.720	93.625	2+345.77
2+360.00	94.320	94.320	93.720	93.625	2+360.00
2+370.88	94.484	94.484	93.884	93.789	2+370.88
2+370.81	VALVE & VALVE BOX	94.484	93.884	93.789	2+370.81
2+374.42	94.528	94.528	93.928	93.833	2+374.42
2+377.35	TEE	94.528	93.928	93.833	2+377.35
2+380.00	94.528	94.528	93.928	93.833	2+380.00
2+382.06	94.511	94.511	93.911	93.816	2+382.06



**LEGEND**

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN @ W/O
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- PROPOSED WATERMAN, VALVE & HYDRANT
- PROPOSED WATERMAN REDUCER
- EXISTING WATERMAN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) CW SAFETY PLATFORM PER CPSS (04-03)
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 150 SAN, 75 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
No.	ISSUE / REVISION	DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

J.L. Richards  
ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

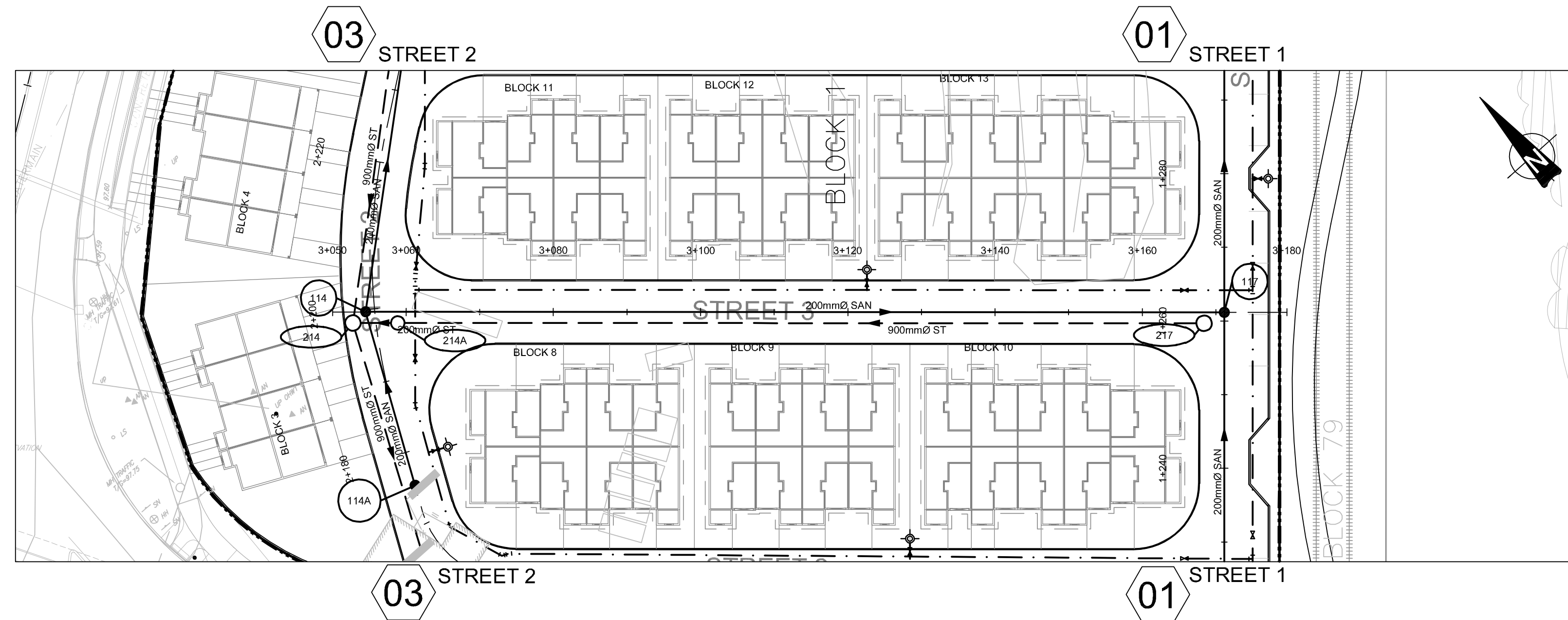
PROJECT: ARCADIA STAGE 6

450 HUNTMAR DRIVE

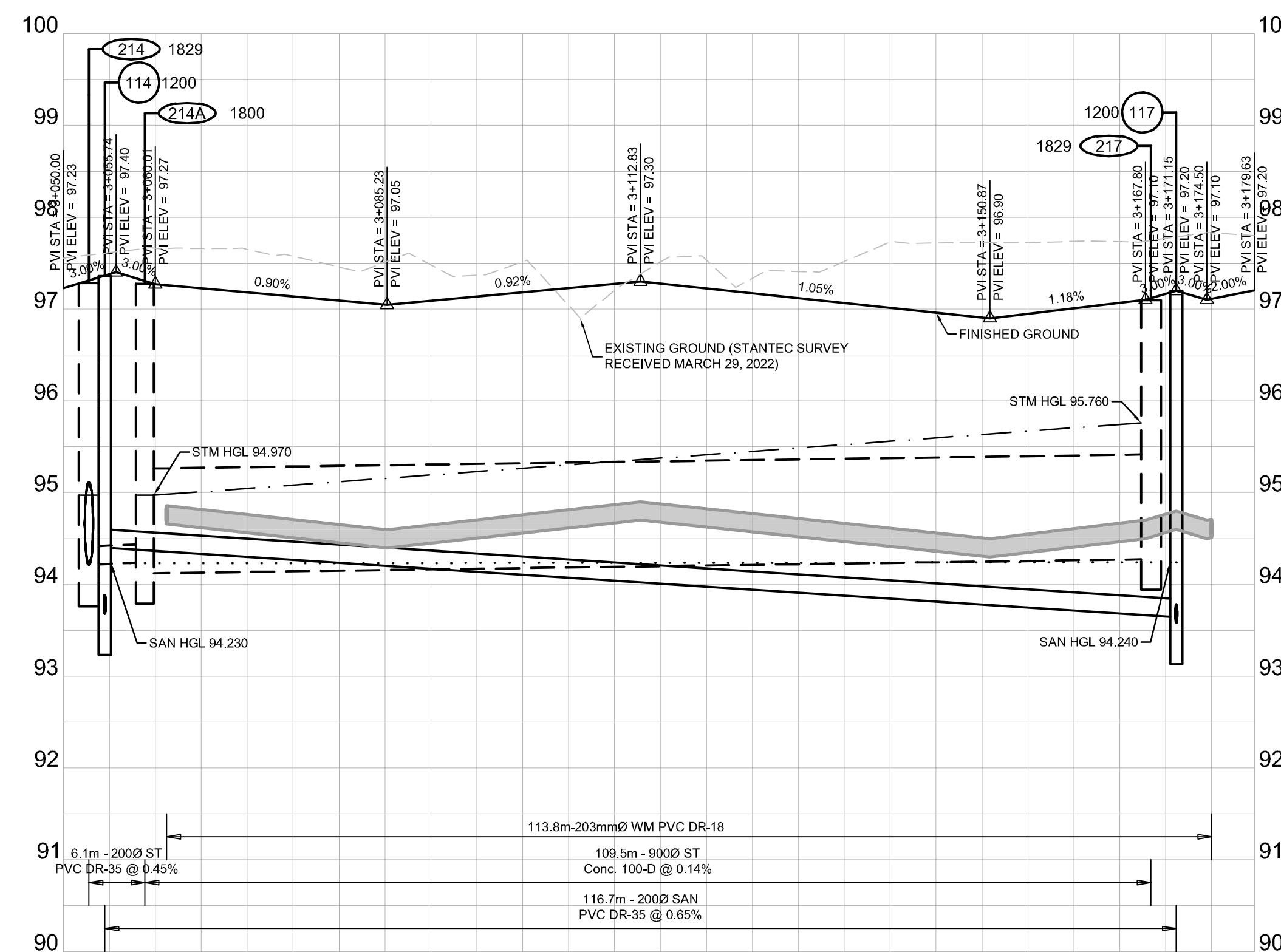
DRAWING: PLAN & PROFILE  
STREET 2  
2+050 TO 2+382.06

DESIGN: MM	DRAWING #:
DRAWN: KC	03
CHECKED: LD	
JLR #: 26299-006	

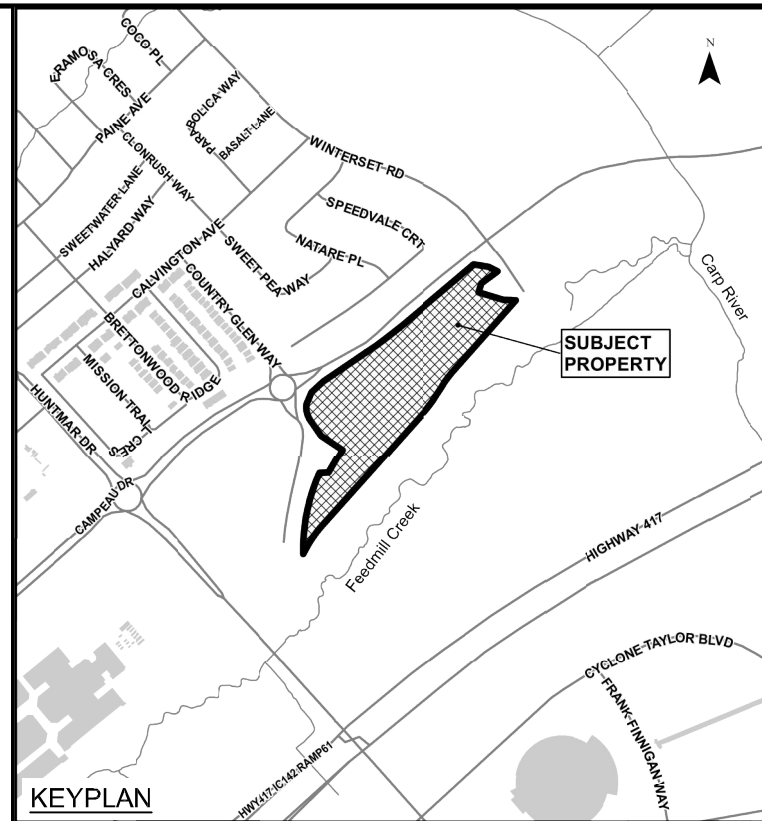




# STREET 3



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.228				3+050.00
97.228		94.213	94.400	3+052.77
97.228		94.261	94.400	3+054.50
97.228		94.241	94.400	3+058.57
97.228		94.261	94.400	3+060.00
97.228		94.261	94.400	3+061.24
97.228				3+060.00
97.162				3+100.00
97.162				3+100.00
97.225	94.825			3+120.00
97.225	94.825			3+122.58
97.014	94.614			3+140.00
97.008	94.608			3+160.00
97.075	94.675			3+165.73
97.075	94.395			3+168.41
97.091	94.709		93.642	3+171.15
97.091	94.709			3+175.00
97.202				3+176.63



- LEGEND**
- EXISTING CATCH BASIN
  - PROPOSED CATCH BASIN @ W/C/D
  - PROPOSED CATCH BASIN & LEAD
  - PROPOSED TEE CATCH BASIN
  - PROPOSED 3-WAY CATCH BASIN
  - PROPOSED WATERMAIN, VALVE & HYDRANT
  - PROPOSED WATERMAIN REDUCER
  - EXISTING WATERMAIN, VALVE & HYDRANT
  - EXISTING SANITARY SEWER & MANHOLE
  - EXISTING STORM SEWER & MANHOLE
  - PROPOSED SANITARY SEWER & MANHOLE
  - PROPOSED STORM SEWER & MANHOLE
  - MANHOLE NUMBER AND SIZE (mm) CW SAFETY PLATFORM PER CPSS 64-302
  - 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
  - 3 LATERAL - SERVICE CONNECTION (150mm ST, 150 SAN, 19 mm Water)
  - CONC. SIDEWALK
  - ASPHALT SIDEWALK
  - FW DENOTES FIRE WALL IN UNIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

ENGINEERS · ARCHITECTS · PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

**ARCADIA STAGE 6**

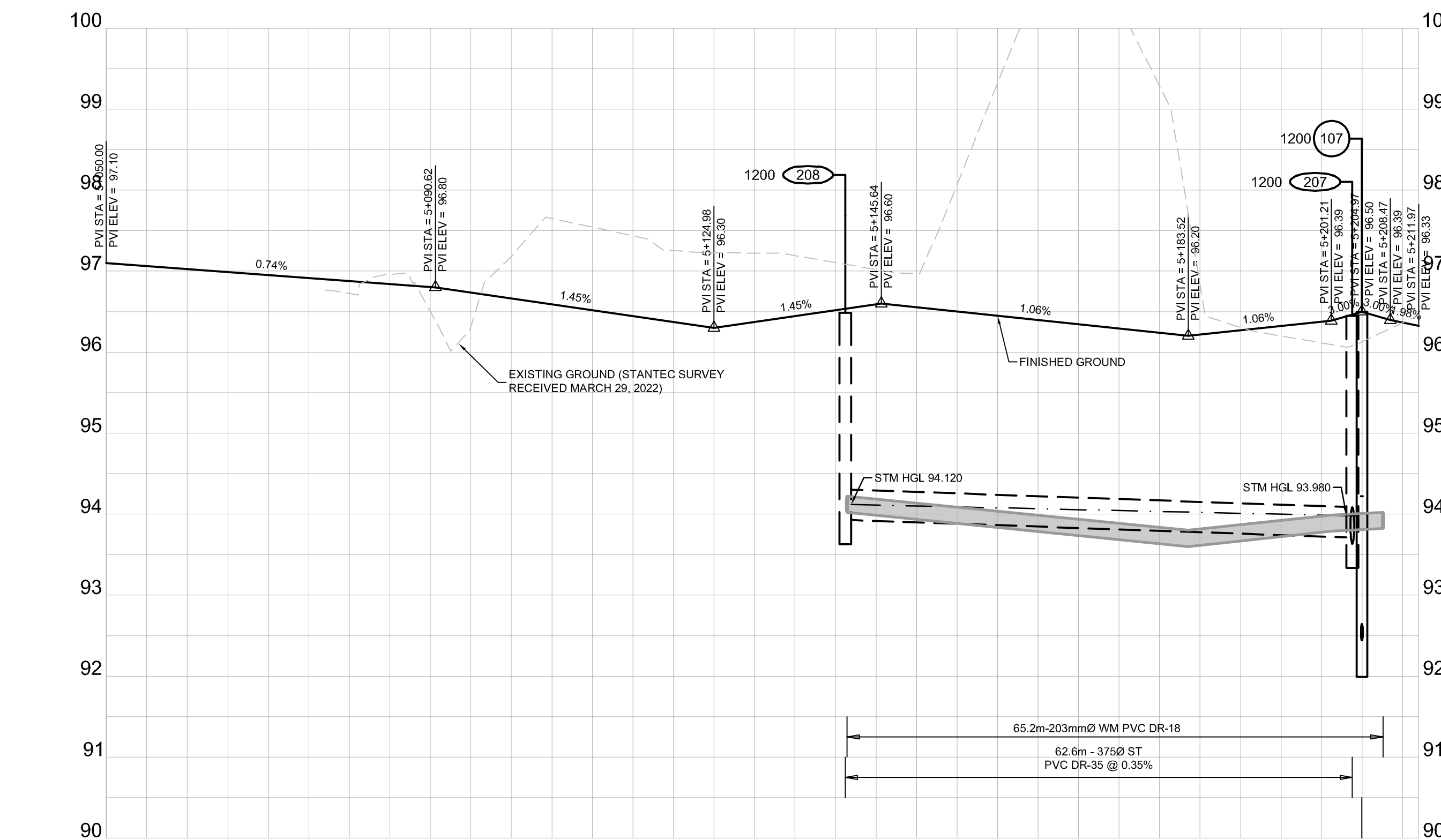
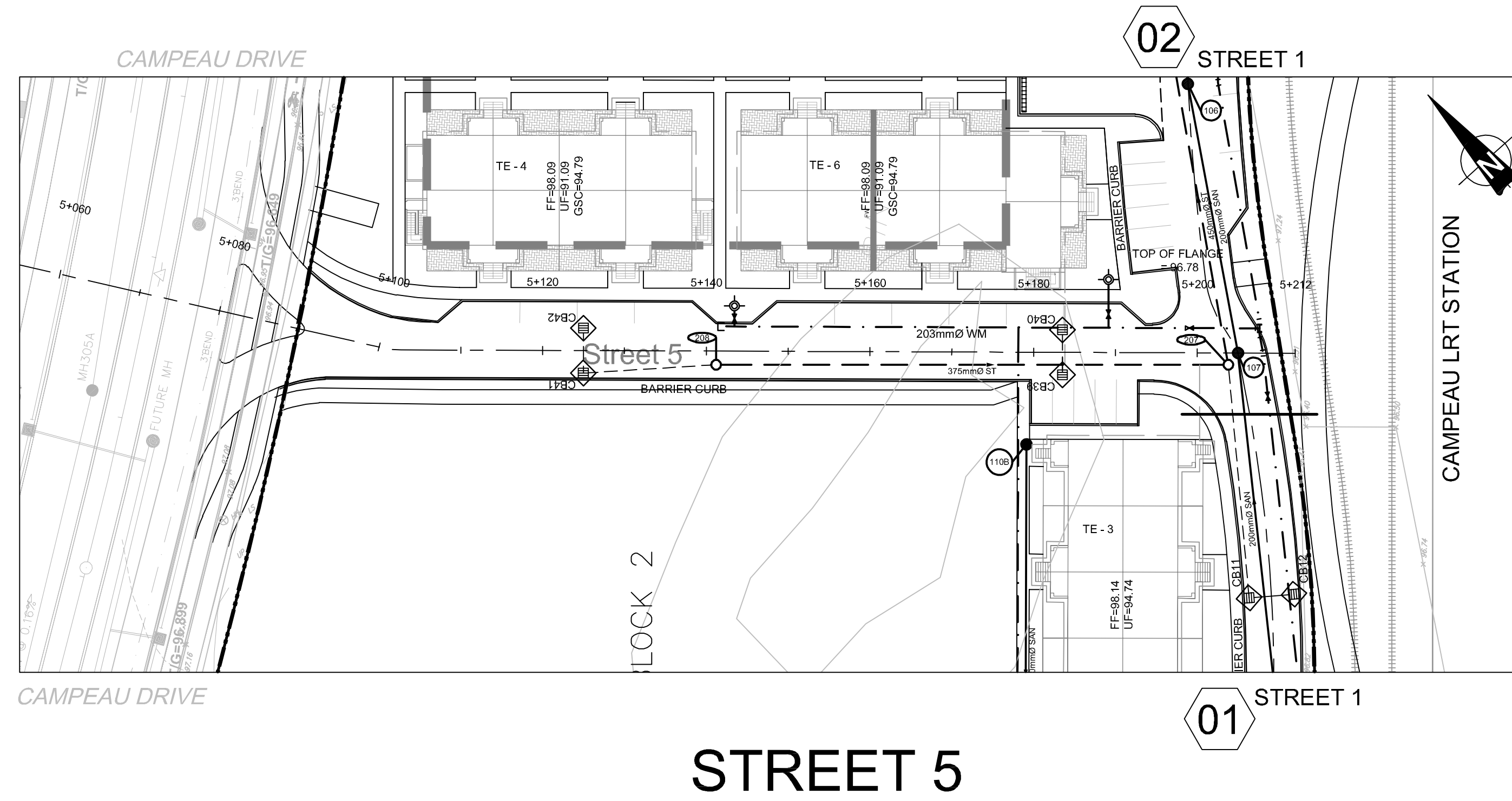
450 HUNTMAR DRIVE

DRAWING:

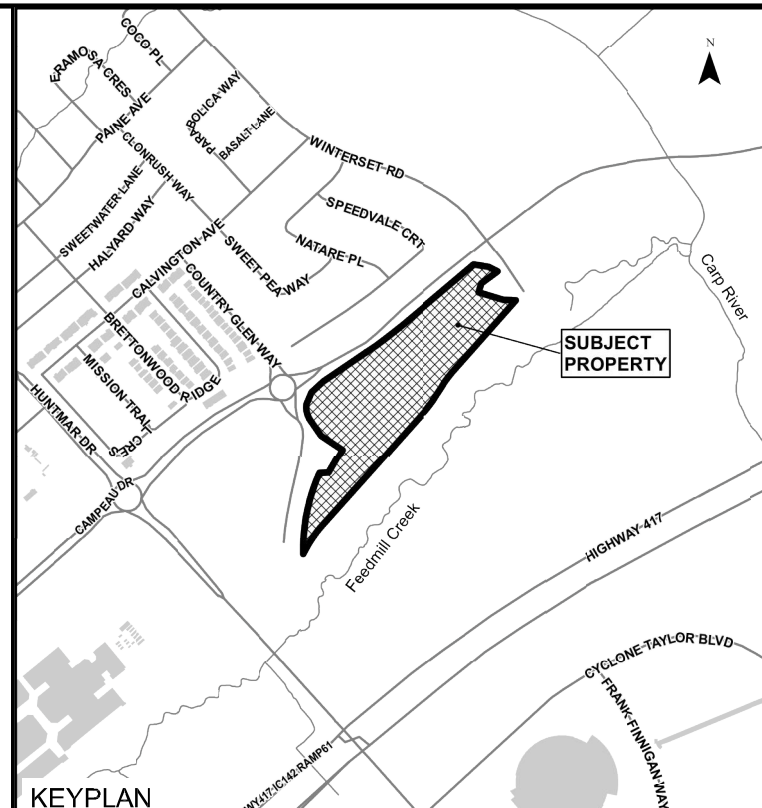
**PLAN & PROFILE STREET 3**  
3+050 TO 3+179.63

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>04</b>
CHECKED: LD	
JLR #: 26299-006	





DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.I. ROADWAY STATION
97.100				5+050.00
97.028				5+060.00
96.978				5+080.00
97.118				5+100.00
96.932				5+120.00
96.039	94.222 CAP			5+141.42
96.516	94.202 HYDRANT, VALVE & TEE	93.929		5+140.00
96.669				5+141.21
96.683				5+143.42
96.312				5+160.00
96.260	93.957 TEE			5+177.97
96.237	93.835 TEE			5+180.00
96.267	93.867 HYDRANT, VALVE & TEE			5+188.90
96.964	93.964 VALVE & VALVE BOX			5+198.98
96.374	93.974 VALVE & VALVE BOX			5+200.00
96.421	94.021 TEE	93.710		5+203.79
96.320				5+204.97
				5+207.58
				5+211.97



**LEGEND**

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN 2x4x0
- PROPOSED CATCH BASIN 4x6x0
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- MANHOLE NUMBER AND SIZE (mm) CW SAFETY PLATFORM PER CPSS 04-030
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 150 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

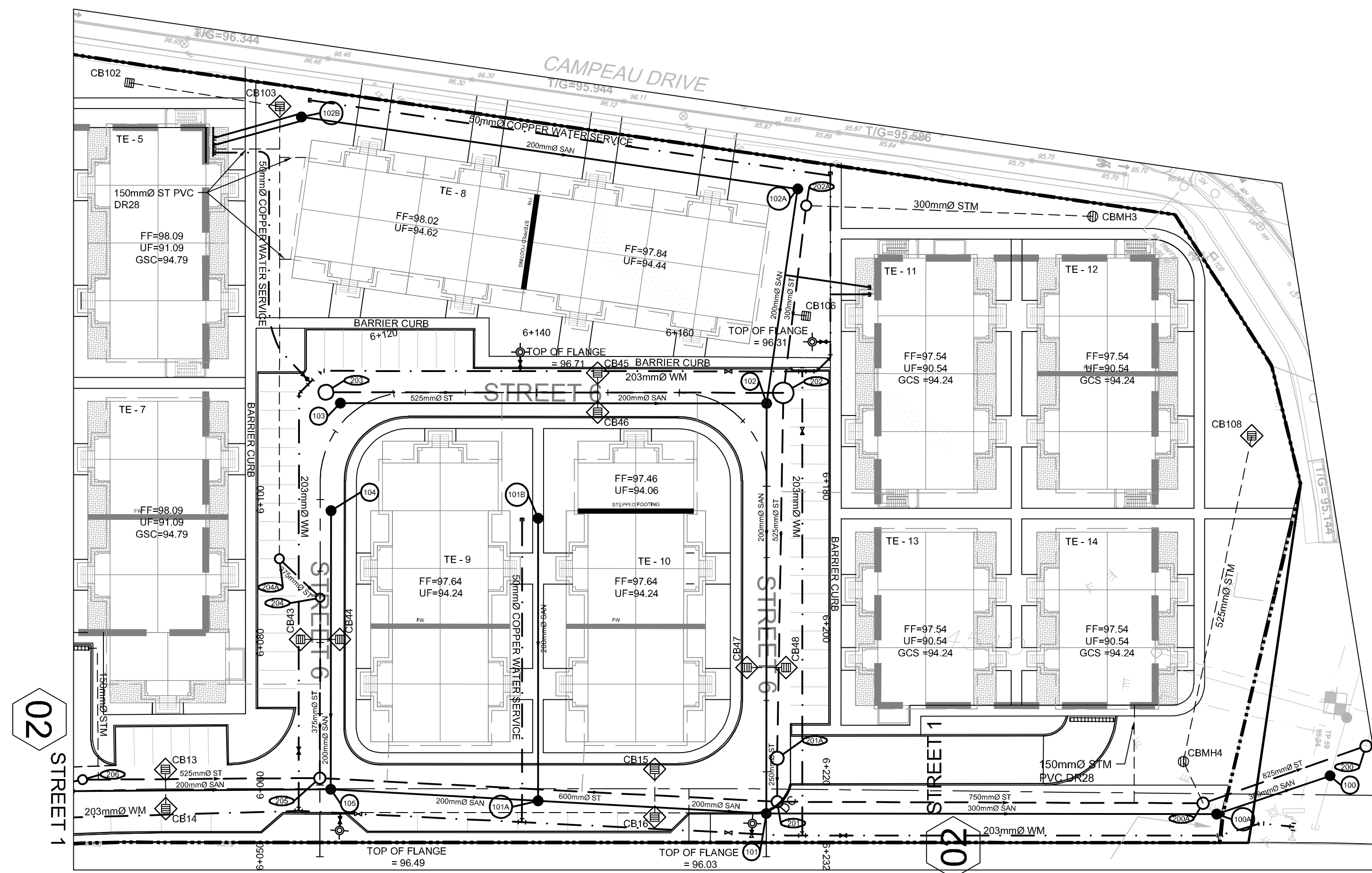
ARCADIA STAGE 6

450 HUNTMAR DRIVE

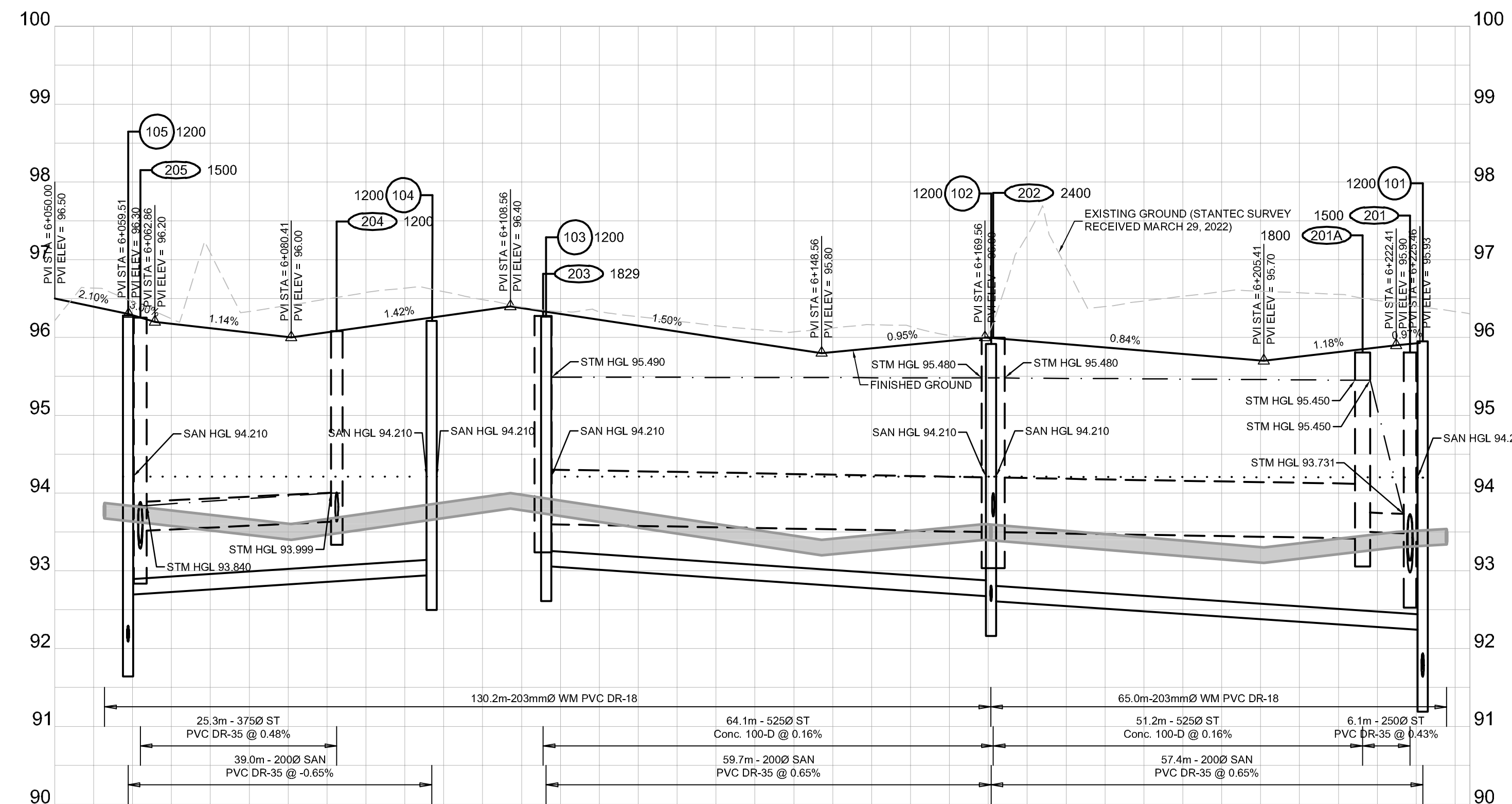
DRAWING:

PLAN & PROFILE STREET 5 5+050 TO 5+211.97

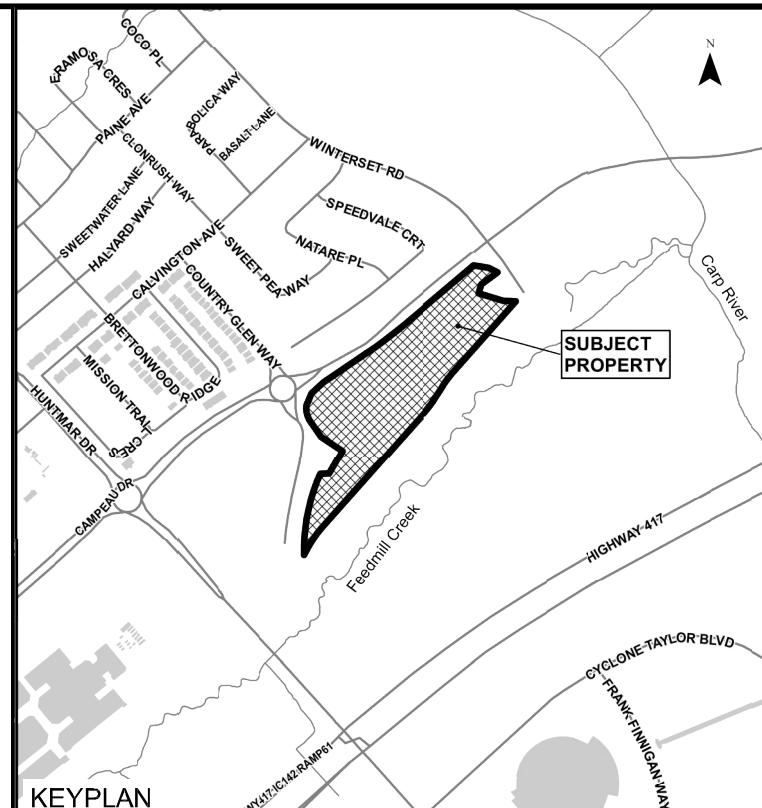
DESIGN: MM	DRAWING #:
DRAWN: KC	06
CHECKED: LD	
JLR #: 26299-006	



### STREET 6



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
96.500				6+050.00
93.871	93.871			6+056.39
93.831	93.831			6+059.43
93.825	93.825	93.512	92.662	6+061.00
93.817	93.817			6+064.85
93.805	93.805			6+068.00
93.633			93.633	6+068.25
93.495				6+068.45
93.278	93.278			6+100.00
93.864	93.864			6+110.97
93.943	93.943			6+112.39
93.921	93.921			6+113.80
93.688	93.688			6+120.00
93.562	93.562			6+137.73
93.528	93.528			6+140.00
93.509	93.509			6+160.00
93.598	93.598			6+165.15
93.584	93.584			6+170.31
93.594	93.594			6+170.35
93.559	93.559			6+174.52
93.513	93.513			6+180.00
93.345	93.345			6+200.00
93.472	93.472	93.504	93.504	6+218.10
93.477	93.477	93.504	93.504	6+220.00
93.477	93.477	93.477	93.477	6+225.84
93.238	93.238			6+228.84
93.238	93.238			6+228.92
93.231	93.231			6+231.90



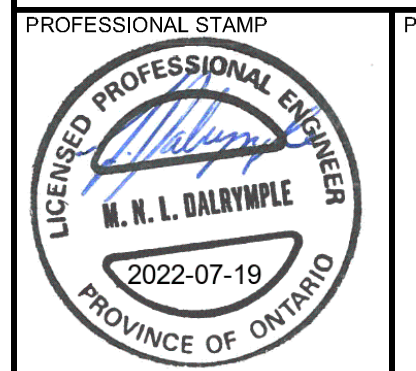
- LEGEND:**
- EXISTING CATCH BASIN
  - PROPOSED CATCH BASIN w/ LEAD
  - PROPOSED CATCH BASIN
  - PROPOSED TEE CATCH BASIN
  - PROPOSED 3-WAY CATCH BASIN
  - PROPOSED WATERMAIN, VALVE & HYDRANT
  - PROPOSED WATERMAIN REDUCER
  - EXISTING WATERMAIN, VALVE & HYDRANT
  - EXISTING SANITARY SEWER & MANHOLE
  - EXISTING STORM SEWER & MANHOLE
  - PROPOSED SANITARY SEWER & MANHOLE
  - PROPOSED STORM SEWER & MANHOLE
  - MANHOLE NUMBER AND SIZE (mm) ON SAFETY PLATFORM PER CPSS 04-030
  - 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
  - 3 LATERAL - SERVICE CONNECTION (100mm ST, 135 SAN, 19 mm Water)
  - CONC. SIDEWALK
  - ASPHALT SIDEWALK
  - DENOTES FIRE WALL IN UNIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
No.	ISSUE / REVISION	DD/MM/YY

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:500 H, 1:50 V

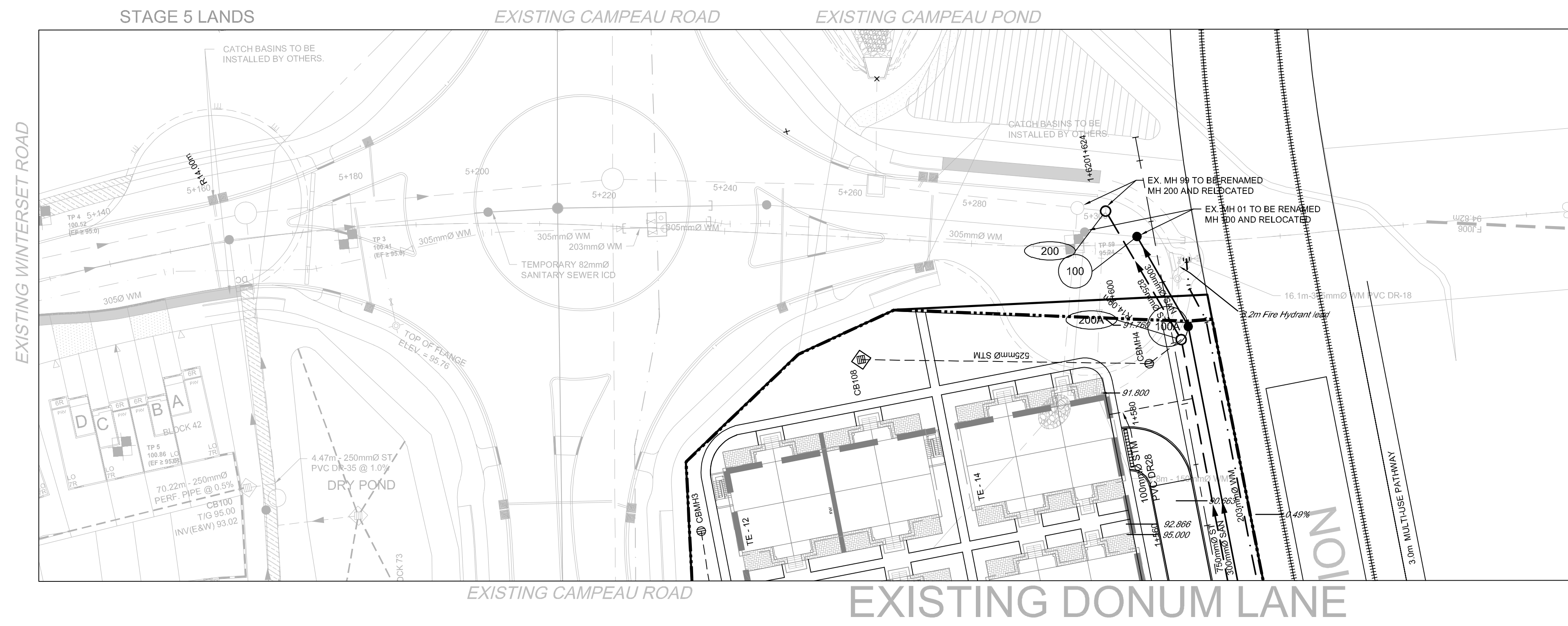


PROJECT: ARCADIA STAGE 6

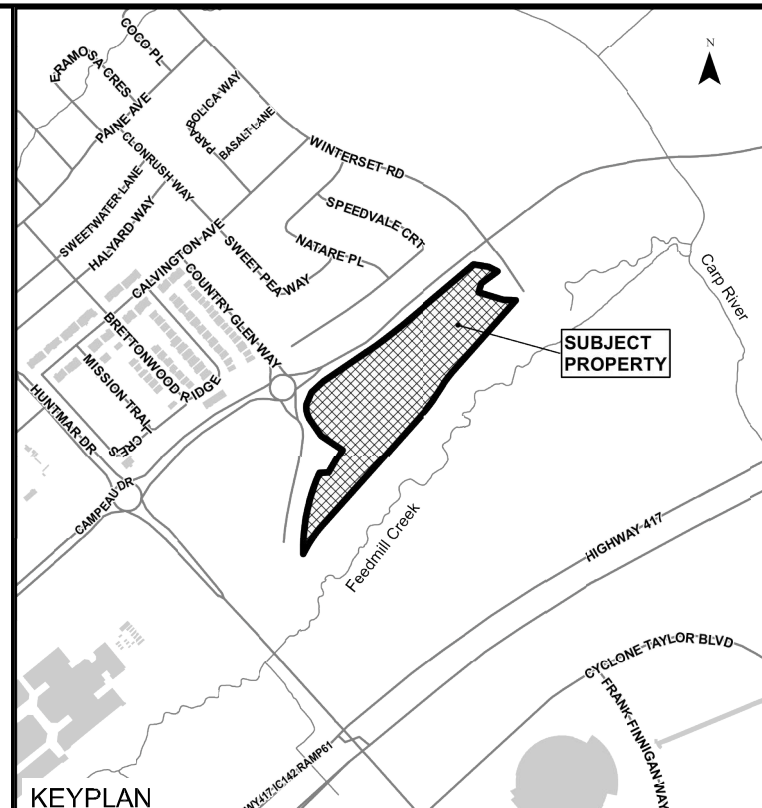
450 HUNTMAR DRIVE

DRAWING: PLAN & PROFILE STREET 6 6+050 TO 6+231.90

DESIGN: MM	DRAWING #:
DRAWN: KC	
CHECKED: LD	
JLR #: 26299-006	07

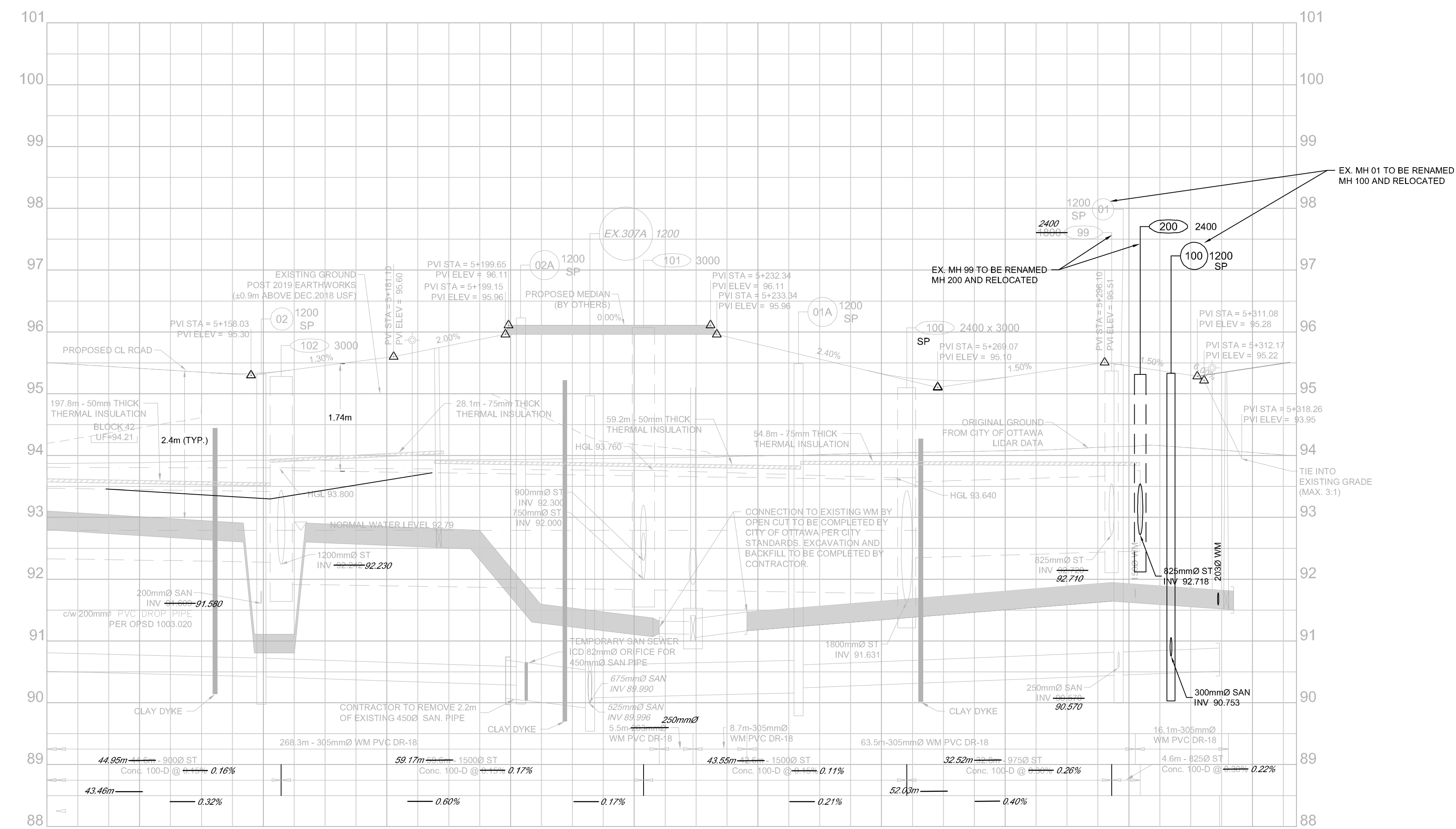


**AS CONSTRUCTED INFORMATION**  
 PROVIDED FROM INFORMATION  
 PROVIDED BY FIELD INSPECTOR  
 Date: DECEMBER 17, 2019  
 J.L. RICHARDS & ASSOCIATES LIMITED



**LEGEND:**

- PROPOSED CATCH BASIN
- PROPOSED CLOSED COVER CATCH BASIN OR CURB INLET CATCH BASIN (CAPPAMORE DRIVE)
- PROPOSED CATCH BASIN & LEAD
- PROPOSED ELBOW CATCH BASIN
- PROPOSED TEE CATCH BASIN
- PROPOSED 3-WAY CATCH BASIN
- 25mm PERFORATED PIPE ADAPTOR FOR CITY OF OTTAWA STANDARD DRAWING 529
- PROPOSED WATERMAIN, VALVE & HYDRANT
- PROPOSED WATERMAIN REDUCER
- EXISTING WATERMAIN, VALVE & HYDRANT
- EXISTING SANITARY SEWER & MAINTENANCE HOLE
- EXISTING STORM SEWER & MAINTENANCE HOLE
- PROPOSED SANITARY SEWER & MAINTENANCE HOLE
- PROPOSED STORM SEWER & MAINTENANCE HOLE
- PROPOSED STORM SEWER & WATER MAINTENANCE HOLE NUMBER AND SIZE (mm) ON SAFETY PLATFORM PER OPSD 44x50
- PROPOSED NOISE BARRIER
- SINGLE SERVICE CONNECTION (STORM, SANITARY AND WATER)
- DOUBLE SERVICE CONNECTION (STORM, SANITARY AND WATER)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- DENOTES FIRE WALL UNIT



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
100.54	99.44	92.461	90.531	5+125.00
99.506	98.144	92.461	90.531	5+140.00
100.67	99.044	92.461	90.531	5+150.19
99.411	98.027	92.461	90.531	5+152.20
99.844	98.027	92.461	90.531	5+165.70
99.844	98.027	92.461	90.531	5+167.00
11.25° HORIZONTAL BEND				5+175.00
90.907	90.907	92.461	90.531	5+195.67
90.907	90.907	92.461	90.531	5+200.00
22.5° VERTICAL BEND				5+202.00
91.159	91.159	92.461	90.531	5+205.00
91.159	91.159	92.461	90.531	5+208.00
91.159	91.159	92.461	90.531	5+210.00
91.159	91.159	92.461	90.531	5+212.00
11.25° HORIZONTAL BEND				5+215.00
90.866	90.866	92.461	90.531	5+220.00
90.866	90.866	92.461	90.531	5+225.00
90.866	90.866	92.461	90.531	5+230.00
90.866	90.866	92.461	90.531	5+235.00
90.866	90.866	92.461	90.531	5+240.00
90.866	90.866	92.461	90.531	5+245.00
90.866	90.866	92.461	90.531	5+250.00
90.866	90.866	92.461	90.531	5+255.00
90.866	90.866	92.461	90.531	5+260.00
90.866	90.866	92.461	90.531	5+265.00
90.866	90.866	92.461	90.531	5+270.00
90.866	90.866	92.461	90.531	5+275.00
90.866	90.866	92.461	90.531	5+280.00
90.866	90.866	92.461	90.531	5+285.00
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90.866	90.866	92.461	90.531	5+305.00
90.866	90.866	92.461	90.531	5+310.00
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90.866	90.866	92.461	90.531	5+935.00
9				



**LEGEND**

- PROPOSED ELEVATION
- EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 29, 2022)
- PROPOSED C.L. ROAD HIGH POINT / LOW POINT
- PROPOSED TERRACING (MAX 3:1)
- SURFACE SLOPE
- FLOW DIRECTION
- MAJOR OVERLAND FLOW DIRECTION
- FINISHED FLOOR ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- GARAGE CEILING SLAB ELEVATION
- ASPHALT WALKWAY
- CONCRETE SURFACE (EXISTING)
- CONCRETE RISERS
- CONCRETE MOUNTABLE CURB
- DEPRESSED CURB
- BICYCLE RACK
- BOREHOLE NUMBER
- TEST PIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:500

CLIENT: **minto Communities**

CONSULTANT: **J.L. Richards ENGINEERS · ARCHITECTS · PLANNERS**

PROFESSIONAL STAMP: **M. N. L. DALRYMPLE**, 2022-07-19, PROVINCE OF ONTARIO

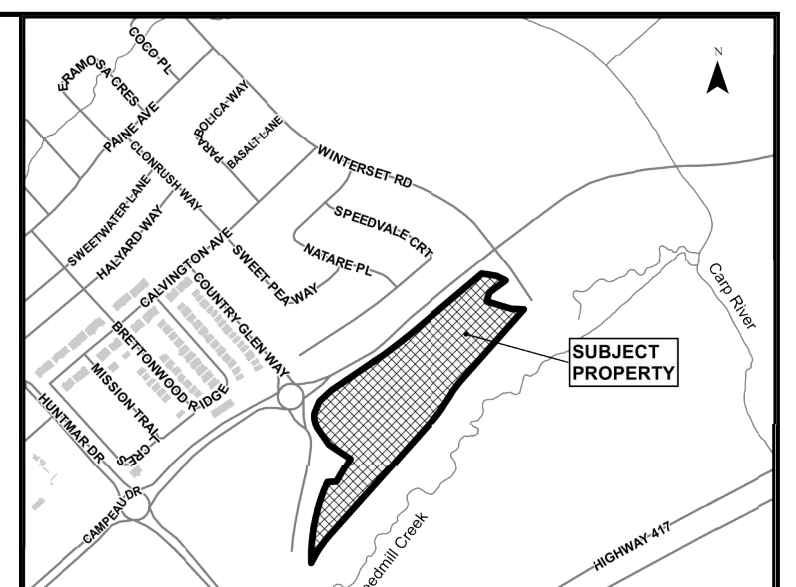
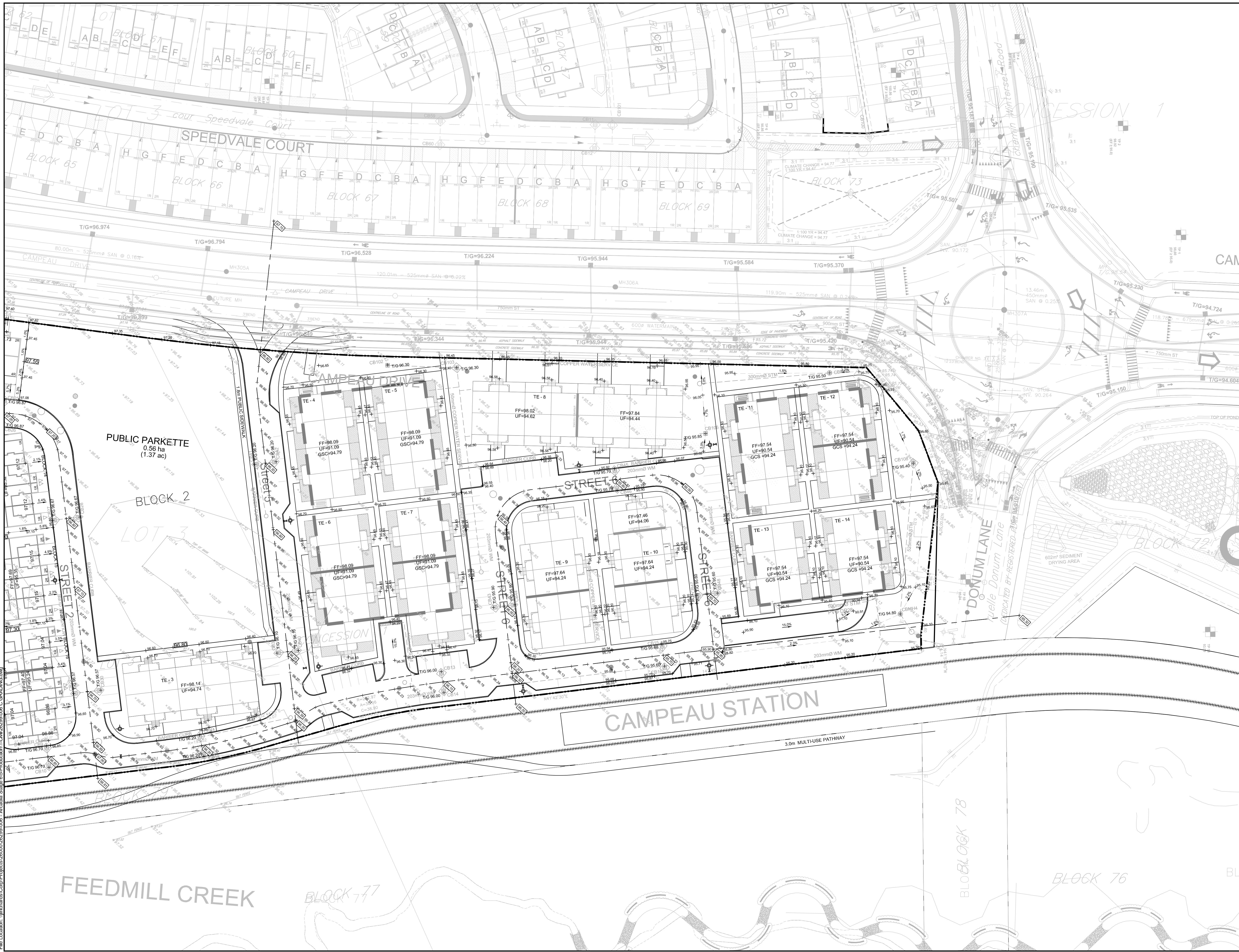
PROJECT: **ARCADIA STAGE 6**  
450 HUNTMAR DRIVE

DRAWING: **GRADING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>G1</b>
CHECKED: LD	
JLR #: 26299-006	

File Location: \\jlrchard\corp\Projects\26000\26299-006 - Arcadia Stage 6\5-Production\1-Civil\26299-006 C GRADING.dwg

PLOT DATE: July 19, 2022 10:20:03 AM



**LEGEND**

- PROPOSED ELEVATION
- EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 29, 2022)
- PROPOSED C/L ROAD HIGH POINT / LOW POINT
- PROPOSED TERRACING (MAX 3:1)

**KEYPLAN**

- SURFACE SLOPE
- FLOW DIRECTION
- MAJOR OVERLAND FLOW DIRECTION
- FINISHED FLOOR ELEVATION
- UNDERSIDE OF FOOTING ELEVATION
- GARAGE CEILING SLAB ELEVATION
- ASPHALT WALKWAY
- CONCRETE SURFACE (EXISTING)
- CONCRETE RISERS
- CONCRETE MOUNTAIN CURB
- DEPRESSED CURB
- BICYCLE RACK
- BOREHOLE NUMBER
- TEST PIT

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:500

CLIENT:

CONSULTANT:

ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

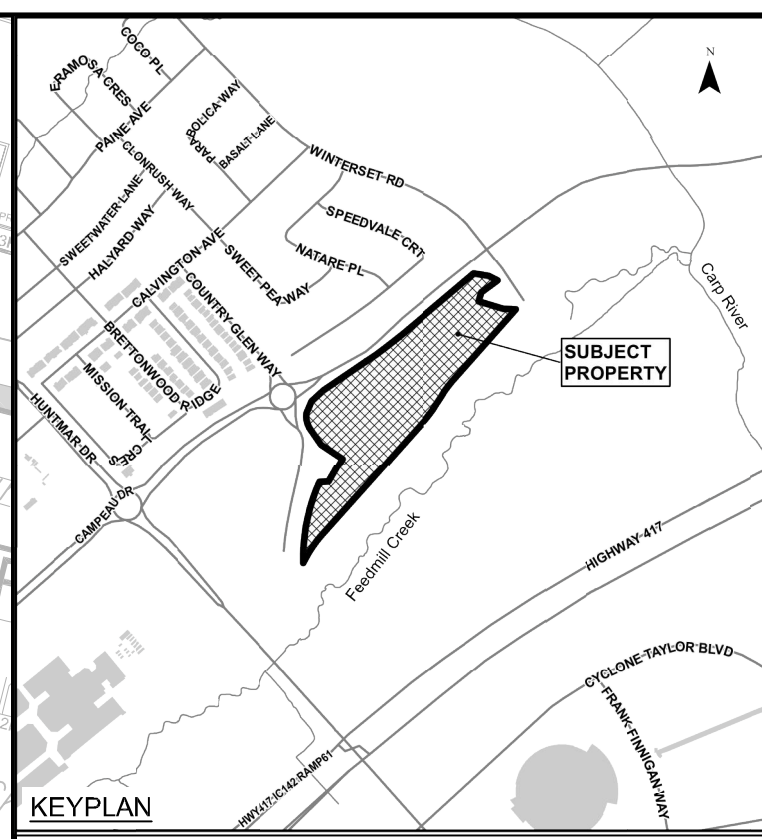
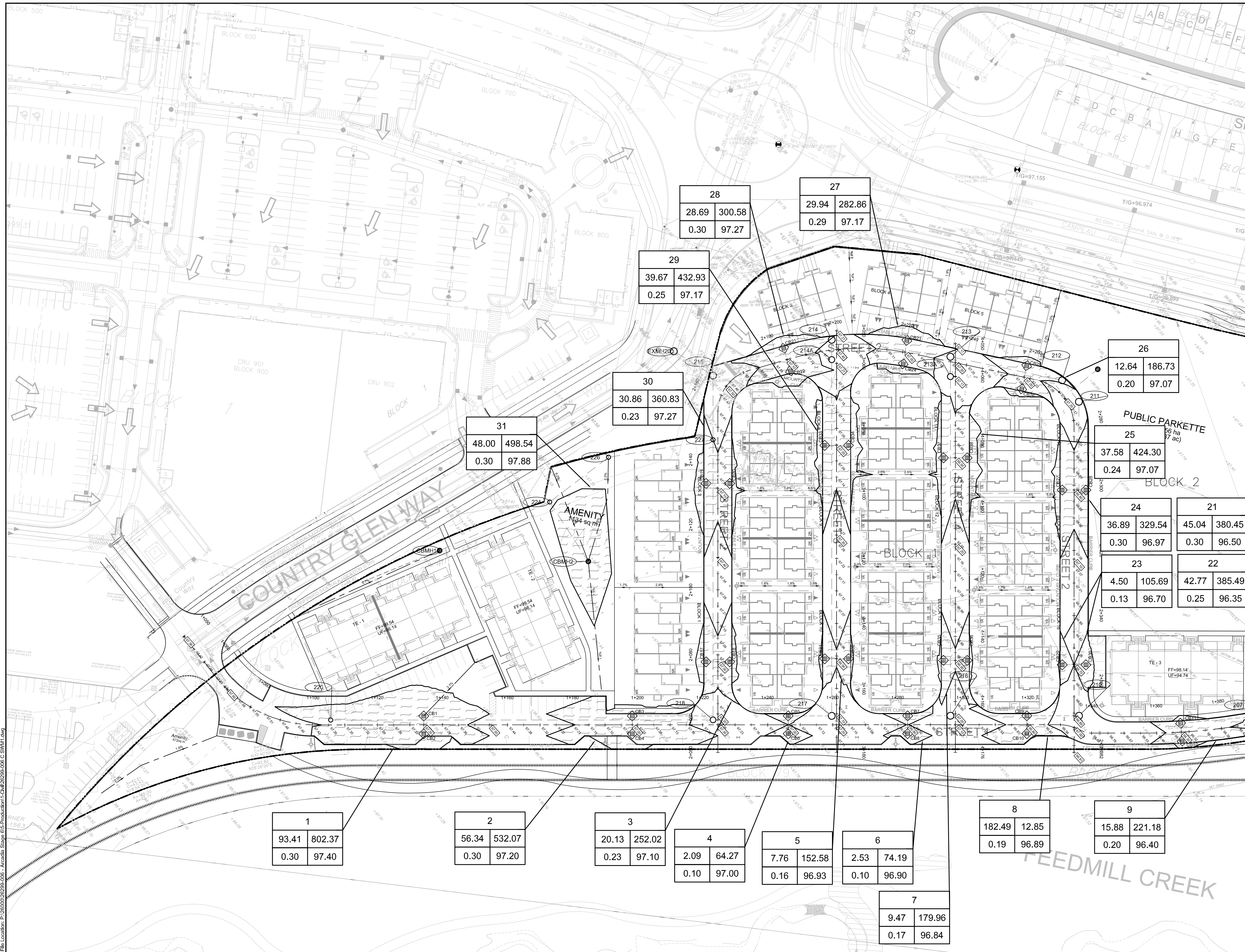
DRAWING:

**GRADING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>G2</b>
CHECKED: LD	
JLR #: 26299-006	

File Location: \\jrichards\corp\Projects\26000\26299-006 - Arcadia Stage 6\5-Production\1-Civil\26299-006 C GRADING.dwg

PLOT DATE: July 19, 2022 10:25:20 AM



LEGEND:

- MAXIMUM WATER LEVEL (STATIC)
- MAX. PONDING VOLUME (m³)
- AREA ID
- MAX. PONDING AREA (m²)
- MAX. WATER LEVEL (STATIC)
- PONDING DEPTH (STATIC)
- REAR YARD SWALE

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SCALE: 1:1000

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING:

PONDING PLAN

DESIGN: MM

DRAWN: KC

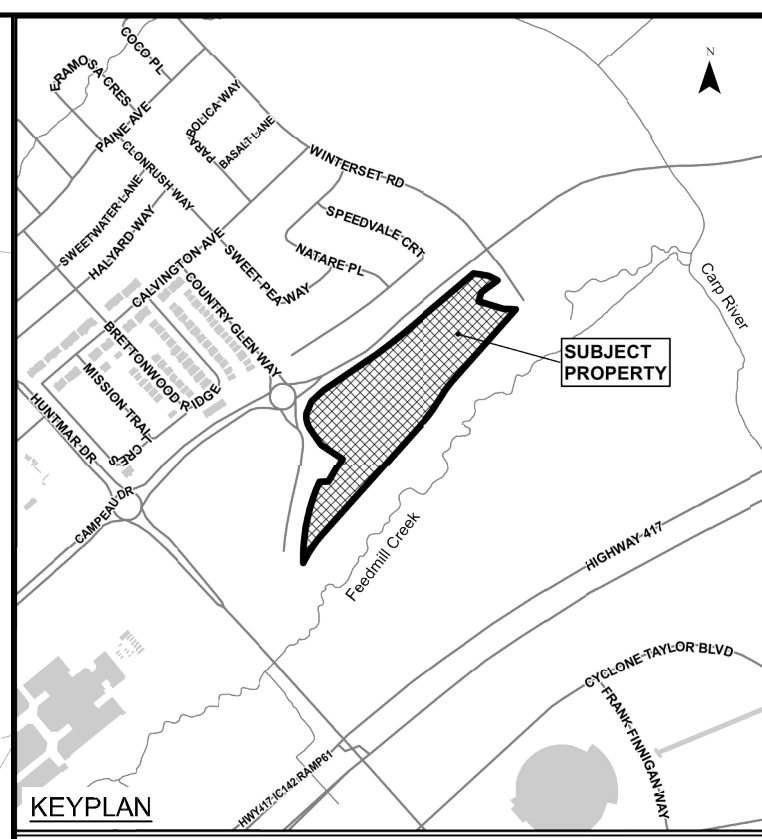
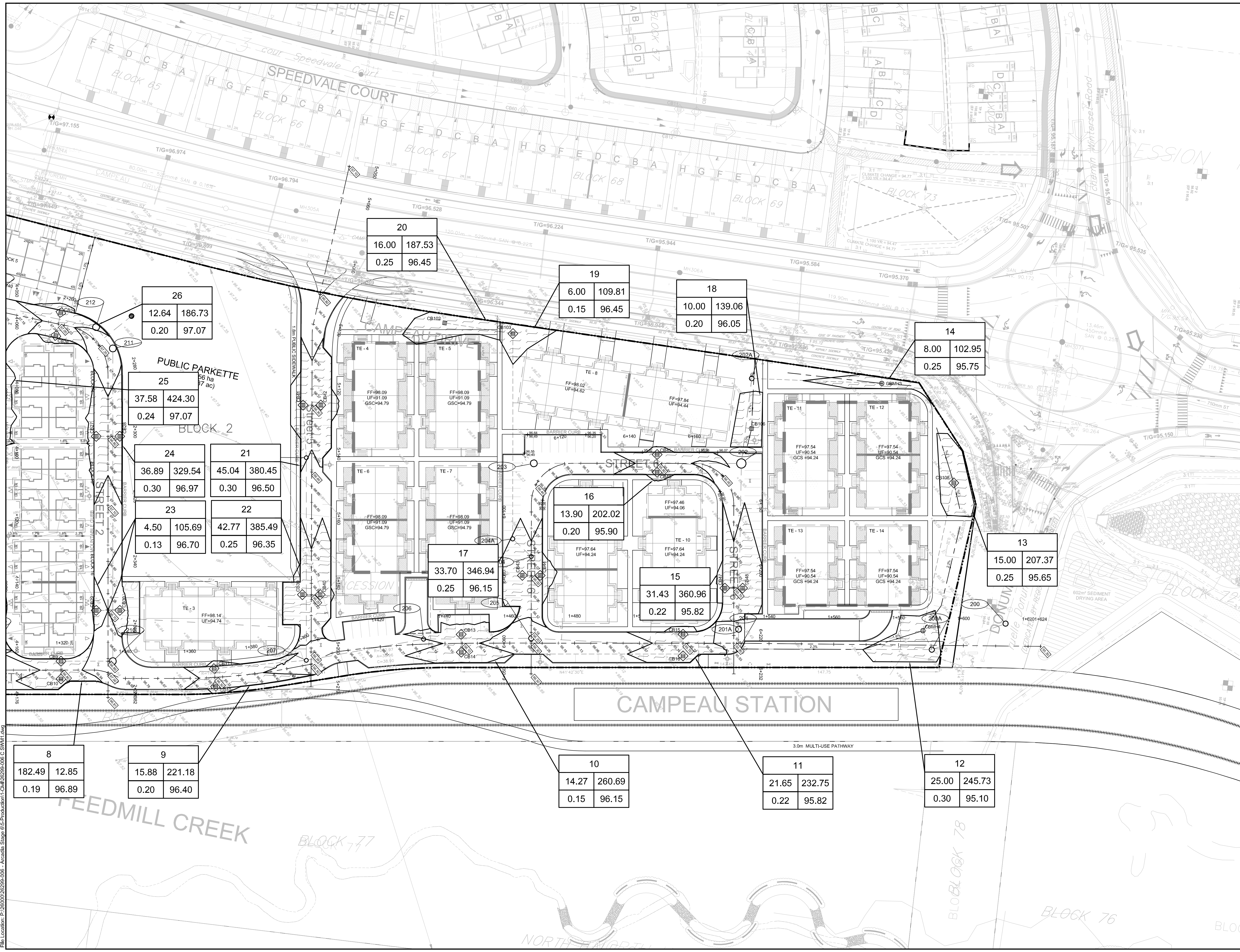
CHECKED: LD

JLR #: 26299-006

DRAWING #:

**SWM1**





LEGEND:

- MAXIMUM WATER LEVEL (STATIC)
- MAX. PONDING VOLUME (m³)
- AREA ID
- MAX. PONDING AREA (m²)
- MAX. WATER LEVEL (STATIC)
- PONDING DEPTH (STATIC)
- REAR YARD SWALE

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
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SCALE: 1:1000

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

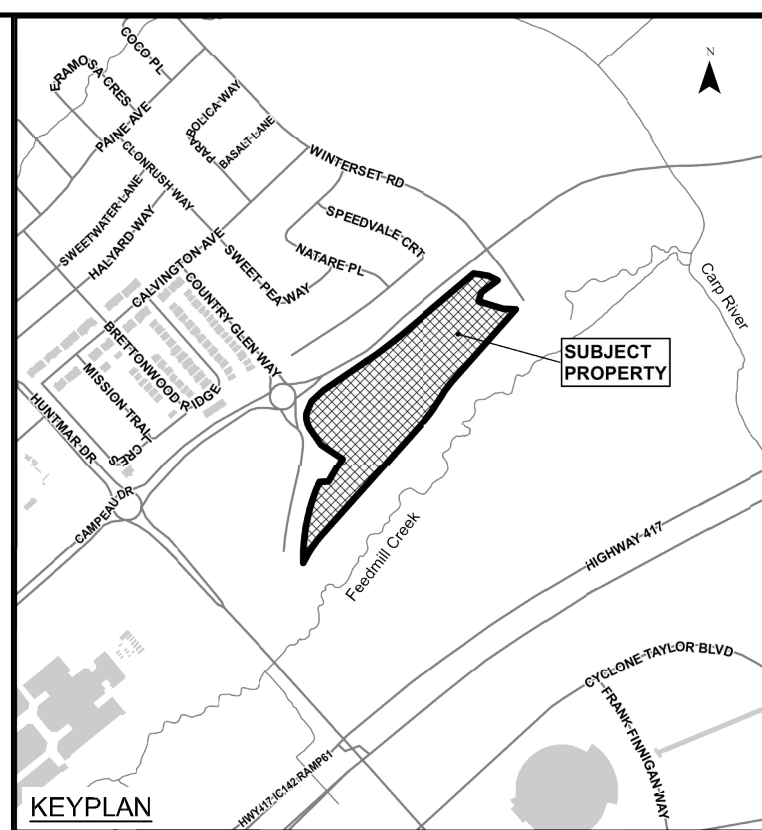
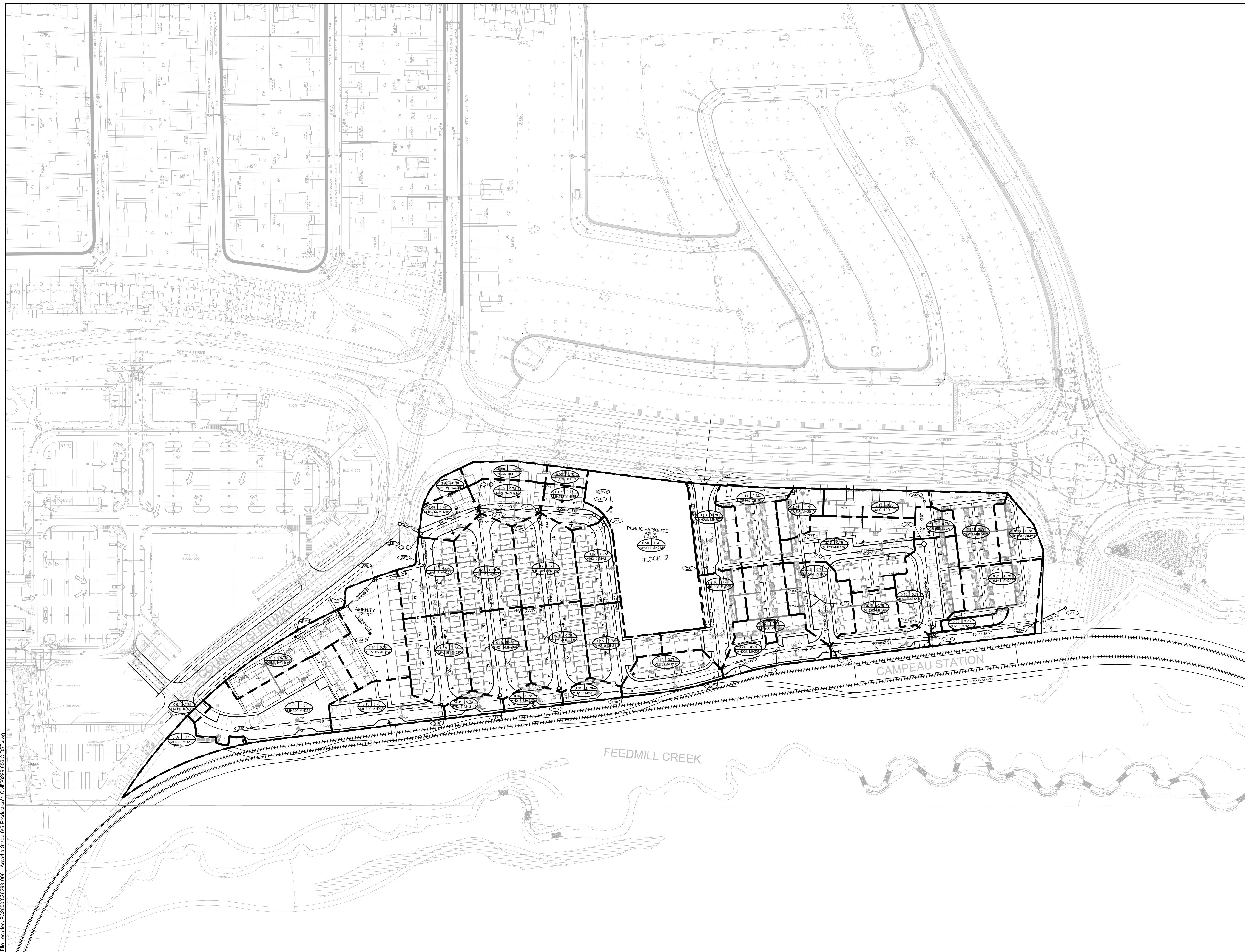
DRAWING:

PONDING PLAN

DESIGN:	MM	DRAWING #:	SWM2
DRAWN:	KC		
CHECKED:	LD		
JLR #:	26299-006		

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PLOT DATE: July 19, 2022 10:30:10 AM



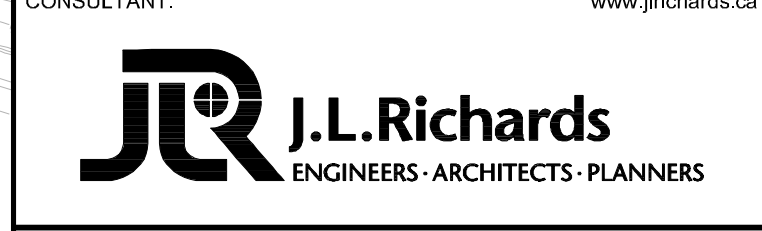
- LEGEND:**
- STM DA BOUNDARY
  - PROPOSED STORM SEWER & MANHOLE
  - POPULATION  
SINGLE FAMILY: 3.4 PERS/UNIT  
TOWHOUSE (ROW): 2.7 PERS/UNIT
  - AREA IN HECTARES
  - PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
  - \*AS PER 2018 BSUEA MSS

No.	ISSUE / REVISION	DD/MM/YY
01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22

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SCALE: 1:1000



CONSULTANT:

PROFESSIONAL STAMP 	PROJECT NORTH 
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PROJECT:

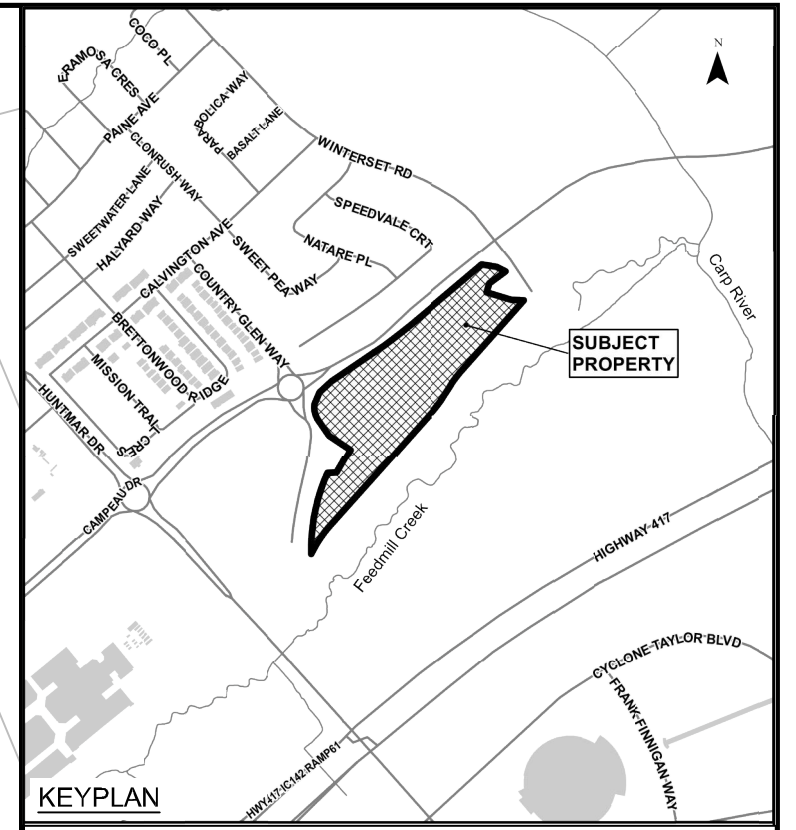
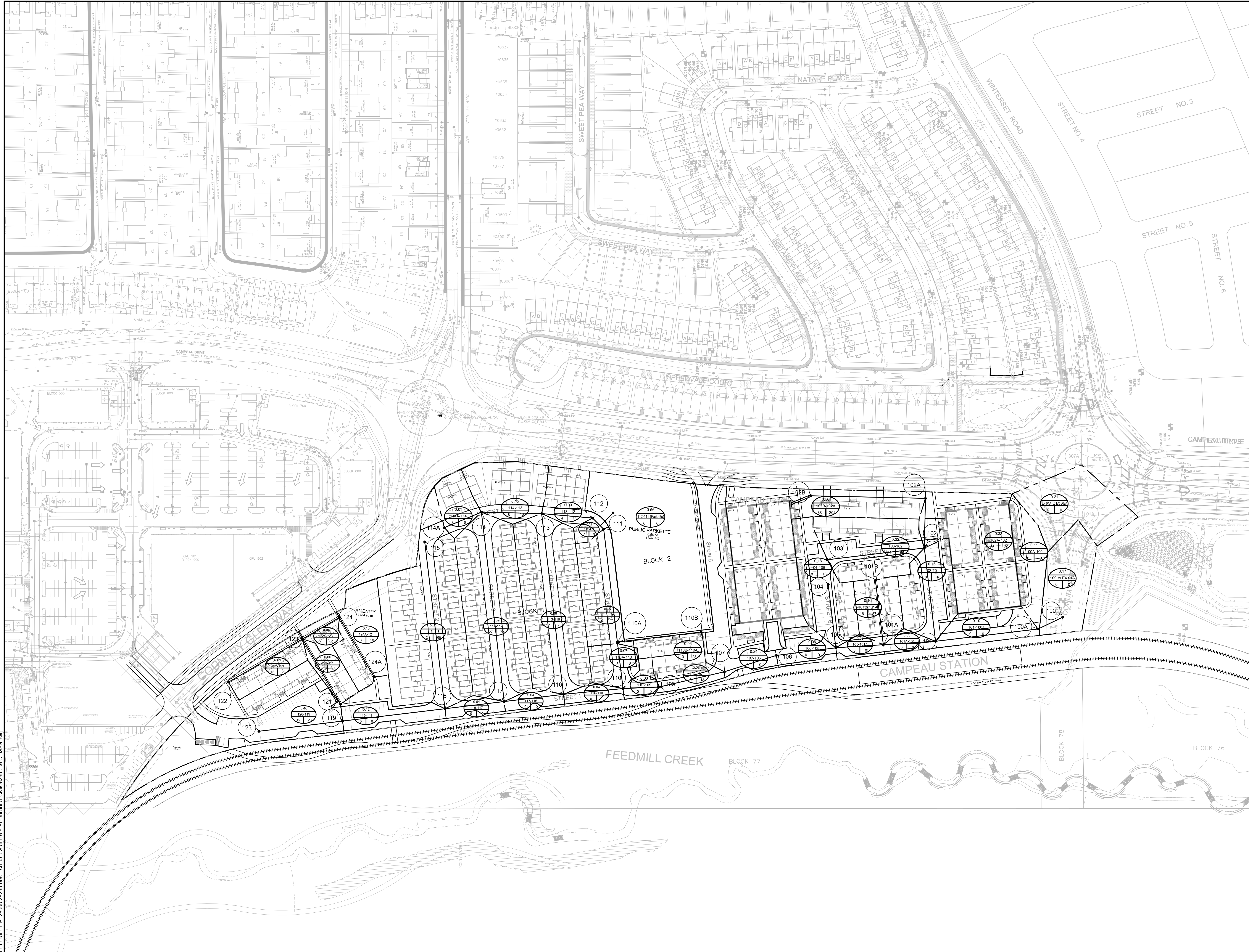
**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

DRAWING:

**STORM DRAINAGE PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>DST</b>
CHECKED: LD	
JLR #: 26299-006	



- LEGEND:**
- - - - - SAN DA BOUNDARY
  - AREA IN HECTARES
  - PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
  - POPULATION
  - NUMBER OF UNITS
- POPULATION  
SINGLE FAMILY: 3.4 PERS/UNIT  
TOWHOUSE (ROW) 2.7 PERS/UNIT
- PROPOSED SANITARY SEWER & MANHOLE

01	ISSUED TO CITY FOR REVIEW FIRST ENGINEERING SUBMISSION	19/07/22
No.	ISSUE / REVISION	DDMMYY

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VERIFY SHEET SIZE AND SCALES BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:1000



CONSULTANT:

PROFESSIONAL STAMP: M. N. L. DALRYMPLE, 2022-07-19, PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT: ARCADIA STAGE 6  
450 HUNTMAR DRIVE

DRAWING: SANITARY DRAINAGE PLAN

DESIGN: MM	DRAWING #:
DRAWN: KC	DSAN
CHECKED: LD	
JLR #: 26299-006	

File Location: P:\26299\26299-006 - Arcadia Stage 6\5-Production\1\_Civil\26299-006 C.DSAN.dwg

PLOT DATE: July 19, 2022 10:37:23 AM

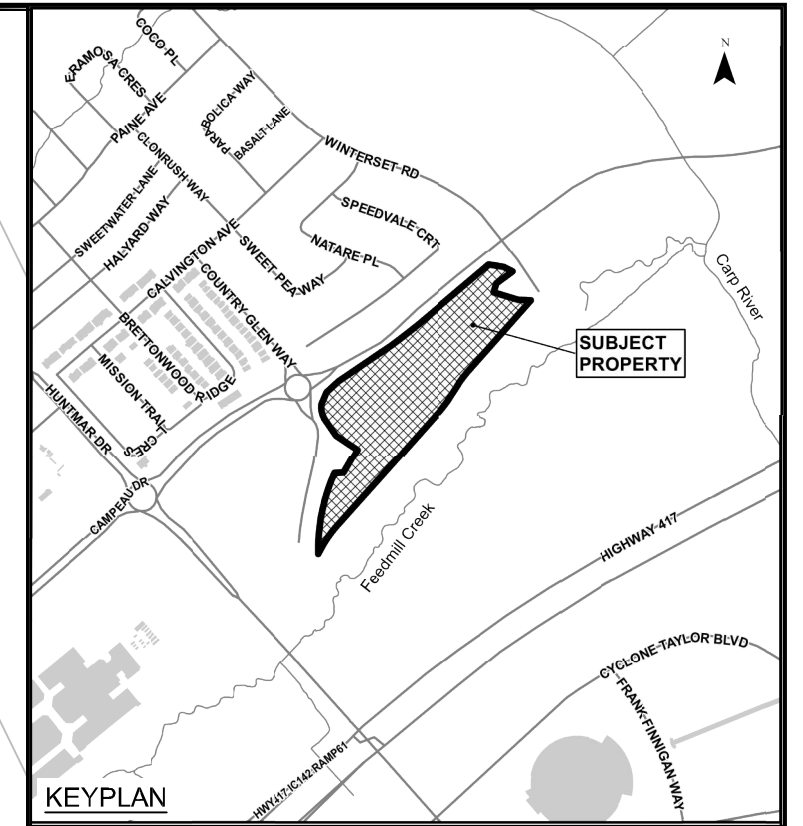
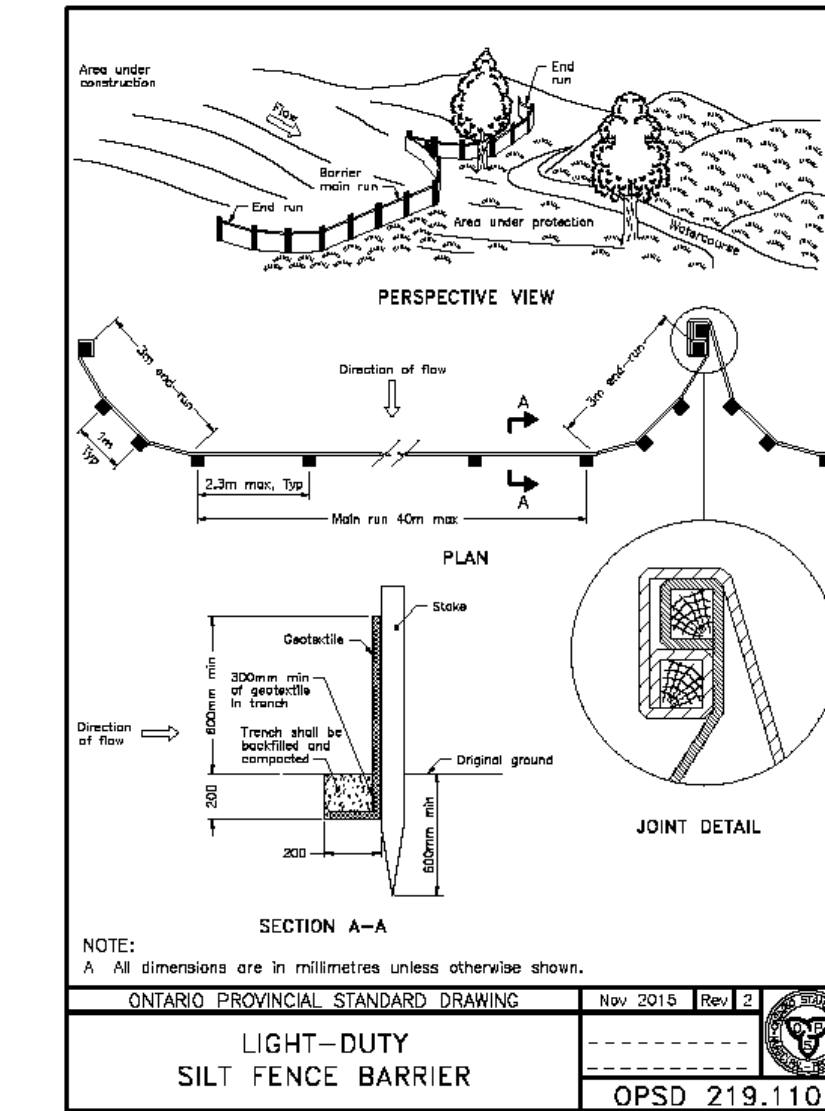
**EROSION AND SEDIMENTATION CONTROL SYSTEM (ESCS) REQUIREMENTS**

PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR IS REQUIRED TO CONSTRUCT AN EROSION AND SEDIMENTATION CONTROL SYSTEM (ESCS) ON-SITE (IN ADDITION TO THE PROPOSED MEASURES DEPICTED ON THIS DRAWING) TO CONVEY RAINWATER AND/OR PUMPED WATER PRIOR TO ITS DISCHARGE TO THE SURFACE AND/OR TO ANY NATURAL WATER COURSE AND/OR TO ANY EXISTING SEWER SYSTEM. THE CONTRACTOR SHALL CONSTRUCT THE ESCS IN SUCH A WAY AS TO ENSURE THAT THE QUALITY OF THE DISCHARGED PUMP WATER DOES NOT EXCEED THE MORE STRINGENT CRITERIA OF EITHER THE ALLOWABLE TSS CONCENTRATION LIMITS SPECIFIED IN THE PTTW OR 25 MG/L AT ANY TIME.

THE CONTRACTOR SHALL CONSTRUCT AN ESCS TO ACHIEVE THE TURBIDITY AND TSS REMOVAL CRITERIA, REGULARLY MONITOR AND MAINTAIN IT TO ENSURE ONGOING COMPLIANCE. THE CONTRACTOR SHALL TAKE WATER SAMPLES AT THE OUTLET OF THE ESCS TO ENSURE THAT THE TURBIDITY AND TSS REMOVAL CRITERIA ARE MET IN ACCORDANCE WITH CITY OF OTTAWA S.P. NO. F-1004. IF THE ANALYTICAL RESULTS ARE LESS THAN PRESCRIBED CRITERIA, THEN THE CONTRACTOR MAY BEGIN DEWATERING PROVIDED THAT THE QUALITY OF THE WATER REMAINS SUBSTANTIALLY THE SAME AS THE INITIAL MEASURED SAMPLE. SUBSEQUENT WATER SAMPLES SHALL ALSO BE COLLECTED IN ACCORDANCE WITH CITY OF OTTAWA S.P. NO. F-1004.

**NOTES:**

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO WORK AND MAINTAINED DURING THE WORK PHASE BY THE GENERAL CONTRACTOR TO PREVENT ENTRY OF SEDIMENT INTO THE RECEIVING STREAM. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY BY THE GENERAL CONTRACTOR TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY AND ARE BEING MAINTAINED AND/OR UPGRADED AS REQUIRED. IF THE SEDIMENT AND EROSION CONTROL MEASURES ARE NOT FUNCTIONING PROPERLY, NO FURTHER WORK SHALL OCCUR UNTIL THE PROBLEM HAS BEEN ADDRESSED AND RECTIFIED.
2. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHALL BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCES (I.E. PETROLEUM PRODUCTS, SILT, ETC.) FROM ENTERING THE RECEIVING STREAM.
3. VEHICLE AND EQUIPMENT RE-FUELLING AND MAINTENANCE SHALL BE CONDUCTED AWAY FROM DRAINAGE CHANNELS IN A CONTROLLED MANNER TO PREVENT FUEL SPILLAGE.
4. ANY PART OF EQUIPMENT ENTERING DRAINAGE CHANNELS SHALL BE FREE OF FLUID LEAKS AND EXTERNALLY CLEANED/DEGREASED TO PREVENT ANY DELETERIOUS SUBSTANCES FROM ENTERING THE WATER.
5. STOCKPILED MATERIALS SHOULD BE STORED AND STABILIZED AWAY FROM THE WATER.
6. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY SITE INSPECTOR, ENGINEER AND/OR THE LOCAL CONSERVATION AUTHORITY.
7. INSPECTIONS AND REPAIR OF SEDIMENT AND EROSION CONTROLS WILL BE CONDUCTED AS SOON AS POSSIBLE FOLLOWING ANY RAIN EVENTS.
8. WORKS WILL NOT BE CONSIDERED COMPLETE UNTIL ALL SEDIMENT CONTROLS ARE REMOVED.
9. STRAW BALE BARRIERS OR EQUIVALENT SHOULD BE PLACED AT WATER DISCHARGE POINTS TO PREVENT EROSION AND SEDIMENT RELEASE.
10. ONLY MATERIAL FREE OF FINE PARTICULATE MATTER SHOULD BE PLACED IN THE WATER.
11. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHOULD BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCE FROM ENTERING THE WATER.
12. ALL EQUIPMENT OPERATING NEAR THE WATER SHOULD BE EQUIPPED WITH A SPILL KIT.
13. ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.
14. ALL SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AND CONSTRUCTED PER OPSS AND OPSD. SILT FENCE SHALL BE TO OPSD 219.110.
15. A MUD MAT IS TO BE BUILT WHERE SHOWN TO PREVENT THE TRANSPORT OF SEDIMENT ONTO PAVED SURFACES. THE MUD MAT SHALL BE:
  - MINIMUM OF 20 METRES IN LENGTH FOR THE FULL WIDTH OF THE ENTRANCE WAY (10M WIDE MIN.);
  - MINIMUM OF 400 MM THICK UNDERLAIN WITH A GEOTEXTILE (OR GRADED AGGREGATE FILTER)
  - CONSTRUCTED WITH 50 MM DIAMETER CLEAR STONE FOR THE FIRST 10 METRES (EXTENDING FROM THE PAVED STREET) AND THE REMAINDER OF THE LENGTH WITH 150 MM DIAMETER CLEAR STONE



- LEGEND:**
- PROPOSED SILT FENCE
  - PROPOSED MUD MAT
  - FILTER CLOTH FOR EXISTING STRUCTURE

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SCALE: 1:1000

CLIENT:

**minto Communities**

CONSULTANT:

**J.L. Richards**  
ENGINEERS · ARCHITECTS · PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

**ARCADIA STAGE 6**

450 HUNTMAR DRIVE

DRAWING:

**EROSION AND SEDIMENT CONTROL PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	<b>ESC</b>
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JLR #: 26299-006	

