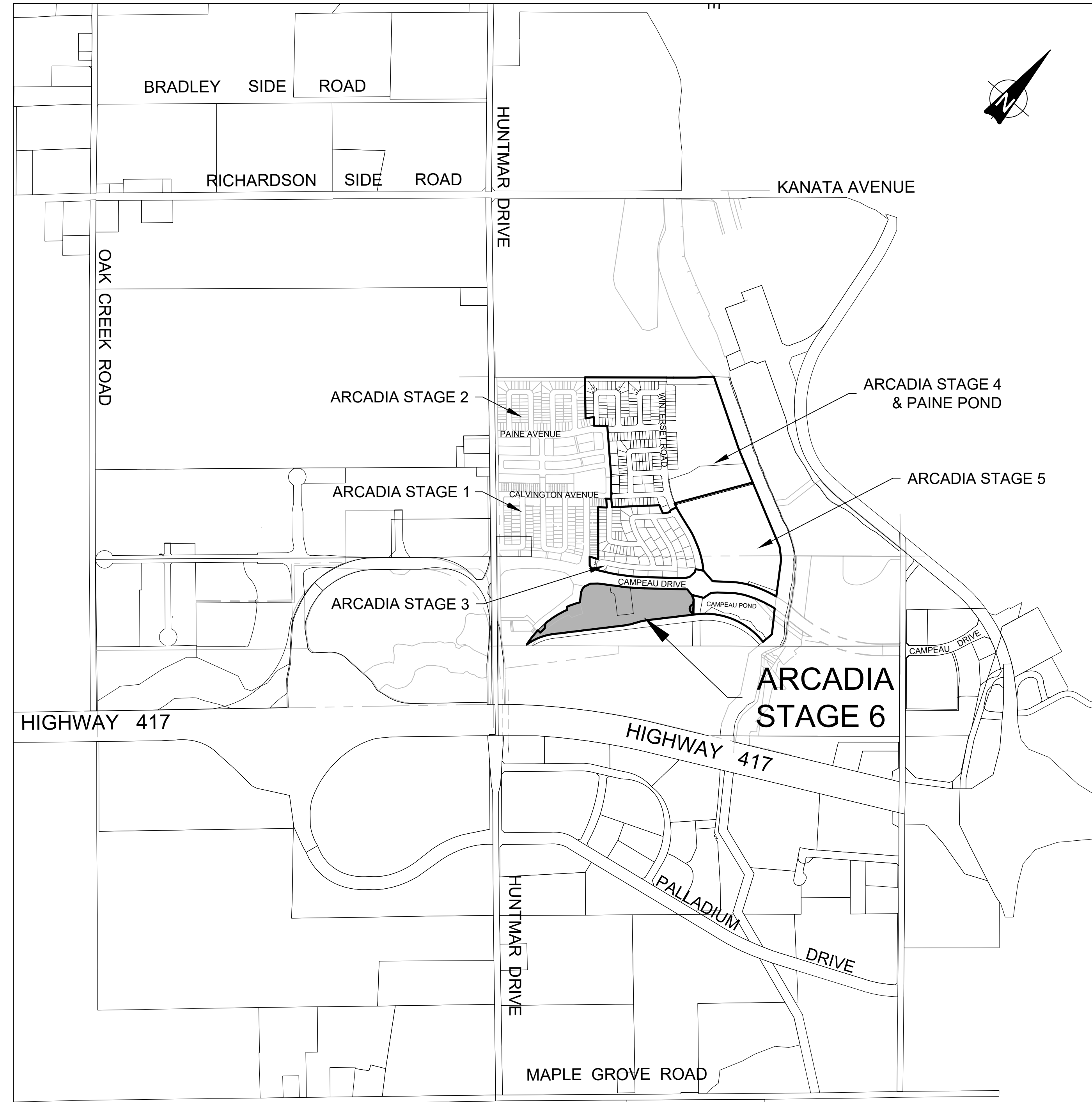


MINTO COMMUNITIES INC.
 200-180 KENT STREET
 OTTAWA, ON
 K1P 0B6



**J.L. Richards
 & Associates Limited**
 343 Preston Street Tower II,
 Suite 1000 Ottawa, ON Canada
 K1Z 5M2
 Tel: 613 728 3571
 Fax: 613 728 6012



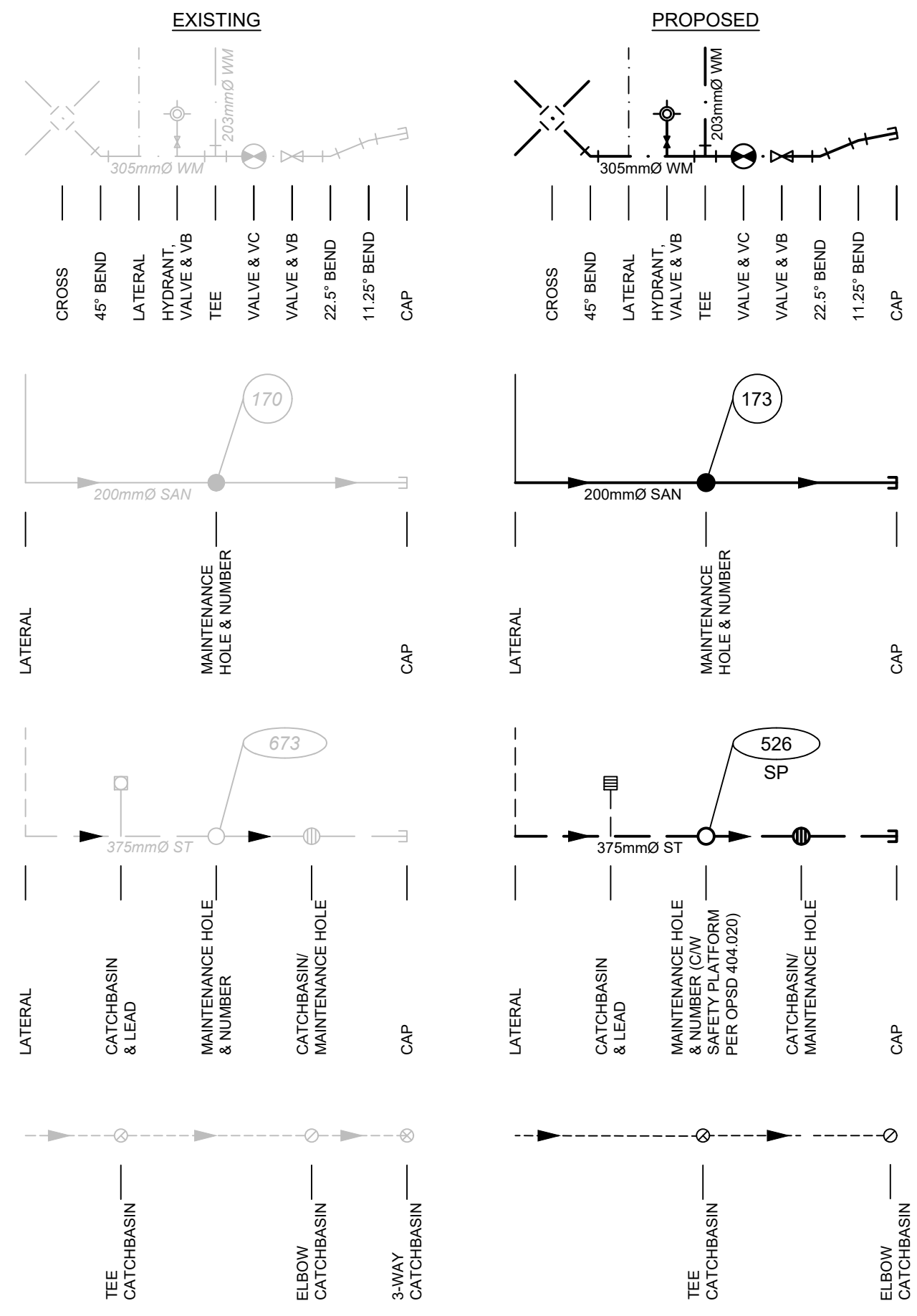
ARCADIA STAGE 6 DRAWING LIST	
Sheet Number	Sheet Title
CS	COVER SHEET
LEGEND	LEGEND SHEET
OS	OVERALL SITE SERVICING PLAN
S1	SITE SERVICING PLAN
S2	SITE SERVICING PLAN
01	FEEDMILL PRIVATE
02	FEEDMILL PRIVATE
03	CLEARPATH PRIVATE
04	SILVERBERRY PRIVATE
05	WOODILY PRIVATE
06	ARCADIAN PRIVATE
07	CREEKWAY PRIVATE
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
D2	DETAILS PLAN

ARCADIA STAGE 6

450 HUNTMAR DRIVE

RE-ISSUED TO CITY
 RE-ISSUED FOR CONSTRUCTION
 FEBRUARY 22, 2024
 JLR JOB# 26299-006

SITE SERVICING

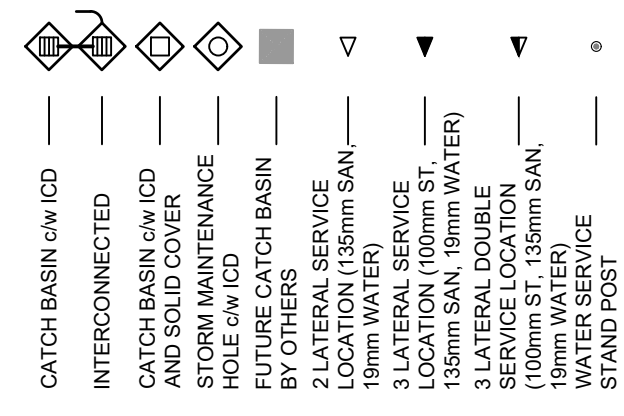


WATERMAIN

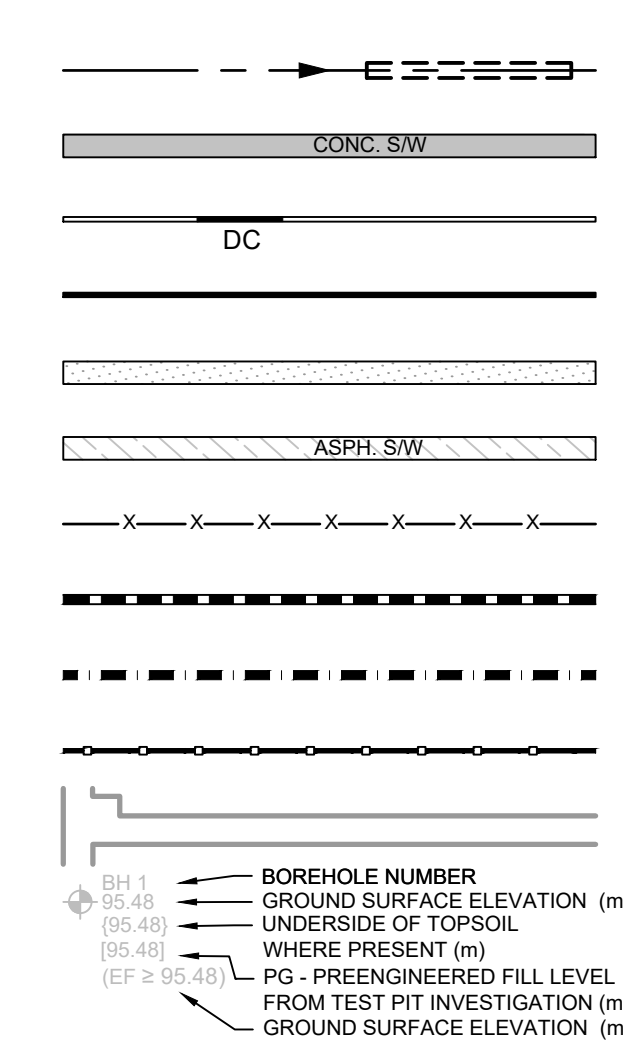
SANITARY SEWER

STORM SEWER

PERFORATED PIPE



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



DITCH AND CULVERT

CONCRETE SIDEWALK

BARRIER CURB & DEPRESSION CURB

MOUNTABLE CURB

ASPHALT ACCESS ROAD

ASPHALT SIDEWALK

CHAINLINK FENCE

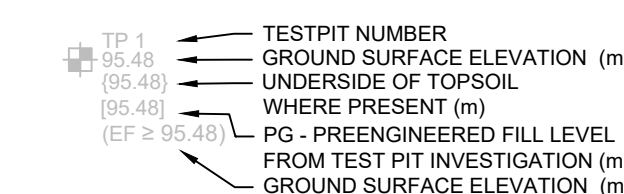
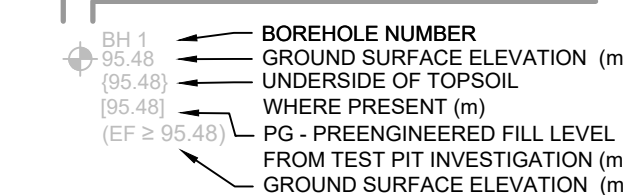
NOISE BARRIER

WOOD PRIVACY BARRIER

POST AND RAIL FENCE

EASEMENT

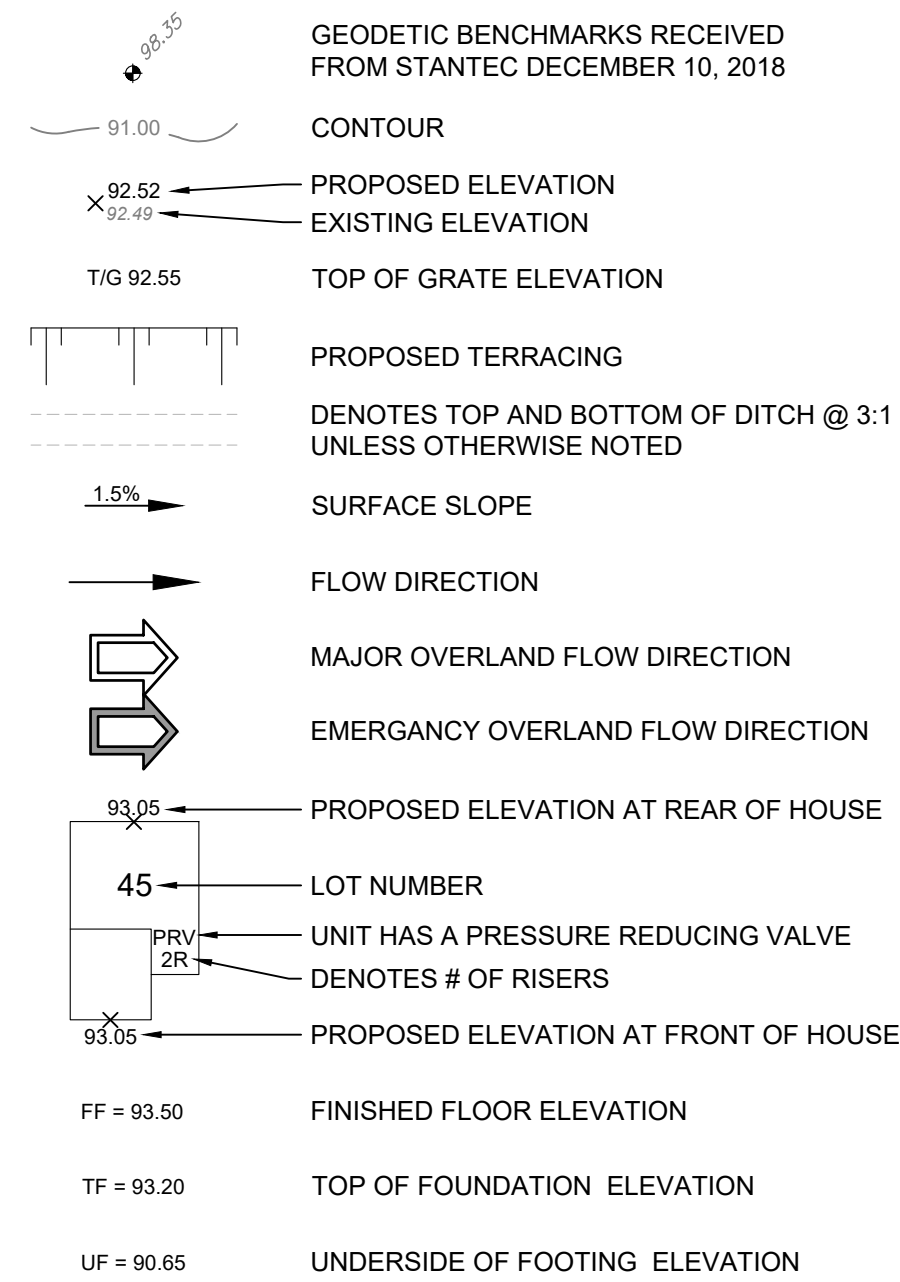
BOREHOLE (BH)



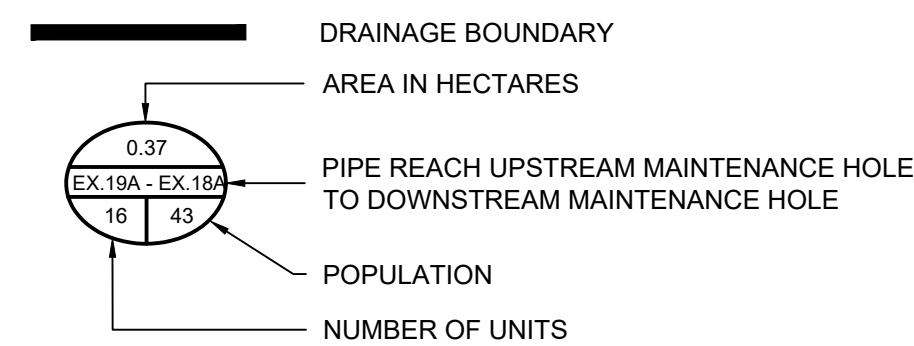
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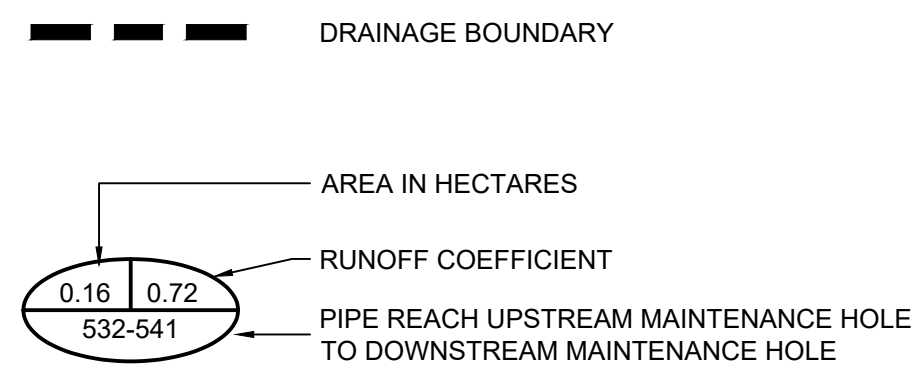
GRADING



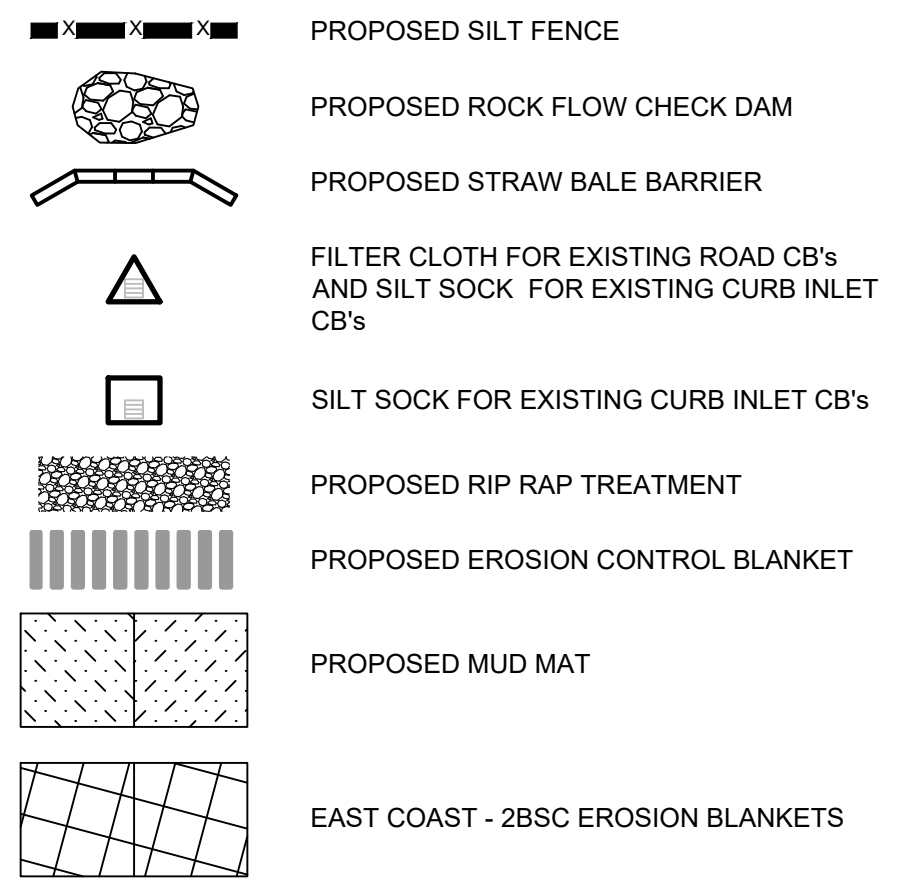
SANITARY DRAINAGE



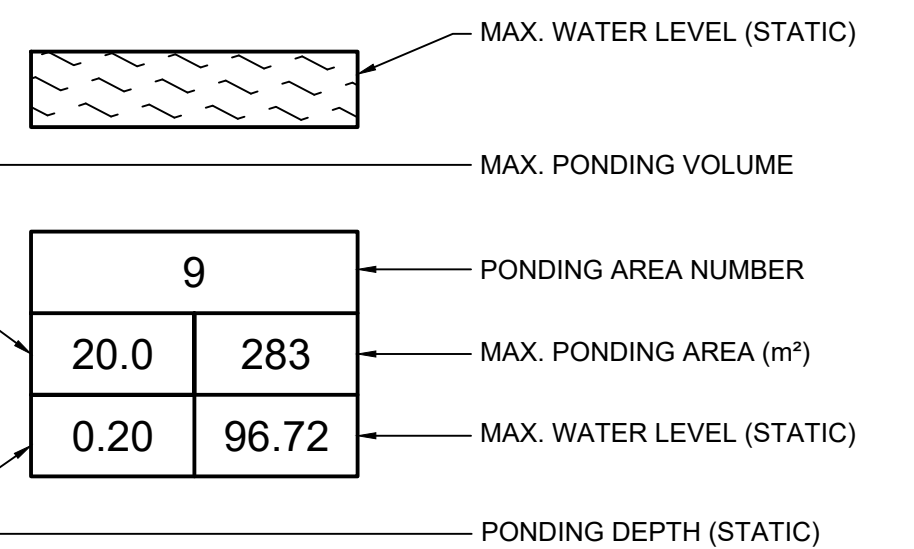
STORM DRAINAGE



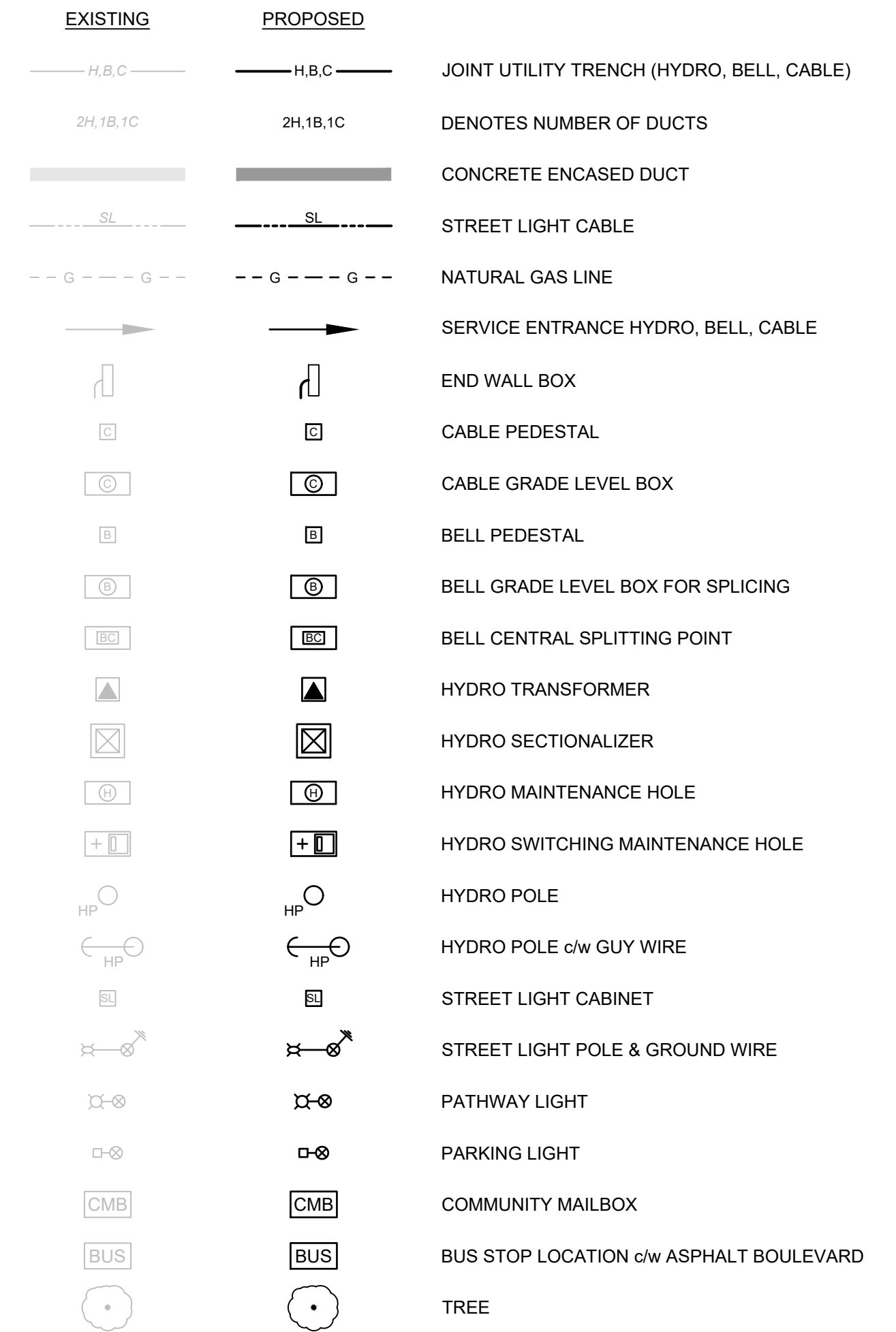
EROSION & SEDIMENT CONTROL



PONDING (URBAN)



UTILITY

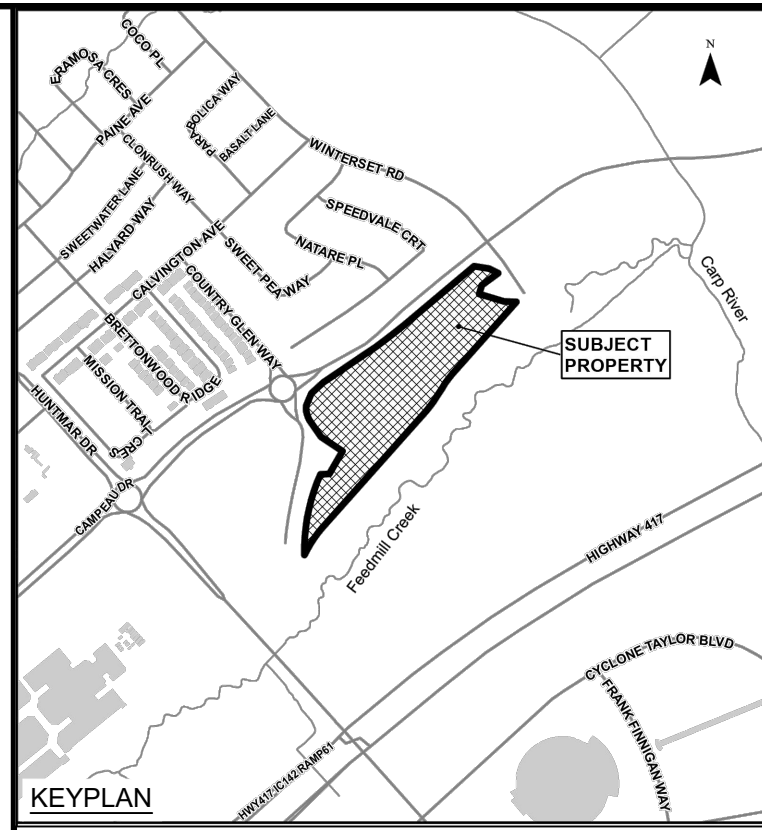


GENERAL NOTES

- 1. ALL MATERIALS, SERVICES AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE CITY OF OTTAWA CURRENT STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS SHOWN ON PLANS ARE IN METRES UNLESS OTHERWISE NOTED.
3. DRAWINGS TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION REPORT NUMBER PG5648-1 REVISION 5 PREPARED BY PATERSON GROUP...
4. UNLESS OTHERWISE NOTED, PIPE DIMENSIONS ARE MEASURED FROM THE CENTRELINE OF THE MAINTENANCE HOLE.
5. THE INSIDE DIAMETER OF PIPES ARE REFERRED TO IN PLAN VIEW AND THE OUTSIDE DIAMETER OF PIPES ARE DRAWN IN PROFILE VIEW.
6. 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.
7. 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.
8. 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.
9. 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.
10. ANY SERVICE LATERAL REQUIRED IN THE DRIVEWAY MUST BE SLEEVED THROUGH UNDER THE GARAGE FLOOR AREA.
11. PIPE SEPARATION AS PER CITY OF OTTAWA ROW CROSS SECTIONS.
12. SERVICING CONTRACTOR TO PERFORM AN INFILTRATION TEST AS PER OPSD MUNI 410 SECTION 410.07. 16.03 FOR SANITARY SEWERS BELOW THE WATER TABLE TO ENSURE INFILTRATION LEVELS ARE BELOW THOSE SPECIFIED IN THE OPSD.
13. CLAY SEALS TO BE AS PER CITY OF OTTAWA DETAIL S8, THE GEOTECHNICAL INVESTIGATION REPORT NUMBER PG5648-1 REVISION 5 PREPARED BY PATERSON GROUP, DATED FEBRUARY 8, 2023, AND THE FOLLOWING EXCESS SOIL QUALITY ASSESSMENT:
- PROPOSED RESIDENTIAL DEVELOPMENT, EXCESS SOIL QUALITY ASSESSMENT, ARCADIA, STAGE 6 PREPARED BY PATERSON GROUP, DATED APRIL 12, 2023.
14. METRO TOWN UNIT WITHOUT UNDERGROUND GARAGE-3 PIPE SERVICE: 135mm DIA. SANITARY PVC DR-26, (2) 19mm DIA. WATERMAIN PEX
15. 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.
16. 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.
17. WATERMAIN TO BE 200mm DIA. PVC DR-18 UNLESS OTHERWISE NOTED.
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 W25 AND WHERE WATERMAIN IS IN PROXIMITY TO OPEN STRUCTURES AS PER CITY STANDARD W23. WATERMAIN TO BE INSTALLED TO DEPTHS SHOWN ON PLANS.

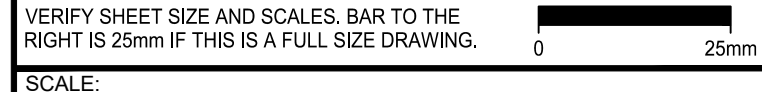
WATERMAIN NOTES

- 17. 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 REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION [F-4415].
20. WATERMAIN AND SEWER CROSSING CLEARANCES TO BE RESPECTED AS PER CITY OF OTTAWA STANDARD W25 AND W25.2
21. WATER SERVICES TO BE EXTENDED WITH A CONTINUOUS PEX SECTION PAST THE STAND POST AND LEFT COILED 3.0m PAST THE PROPERTY LINE.
22. 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.
23. ALL UNITS TO HAVE A PRESSURE REDUCING VALVE ON THE WATER SERVICE.
24. CONFIGURATION FOR WATER METERS AS FOLLOWS:
- FOR ALL EXECUTIVE TOWNHOUSES, REAR LAKE TOWNHOUSES, AND AVENUE TOWNHOUSES, AN INDIVIDUAL WATER METER FOR EACH UNIT IS TO BE LOCATED IN AN ACCESSIBLE AND INSULATED AREA IMMEDIATELY FOLLOWING THE SERVICE ENTRY AND THE REMOTE END POINTS SHALL NOT BE LOCATED SIDE-BY-SIDE.
- FOR ALL METRO TOWNHOUSES WITH NO UNDERGROUND GARAGE, AN INDIVIDUAL WATER METER FOR EACH UNIT IS TO BE LOCATED WITHIN THE LOWER UNIT, IN AN ACCESSIBLE AND INSULATED AREA IMMEDIATELY FOLLOWING THE SERVICE ENTRY AND THE REMOTE END POINTS SHALL NOT BE LOCATED SIDE-BY-SIDE. EACH UNIT SHALL HAVE ITS OWN WATER SERVICE LATERAL. EACH UPPER UNIT SHALL HAVE ITS WATER METER LOCATED WITHIN THE CORRESPONDING LOWER UNIT.
- FOR ALL METRO TOWNHOUSES WITH AN UNDERGROUND GARAGE, ONE (1) WATER METER AND REMOTE METER PER GARAGE STRUCTURE SHALL BE LOCATED WHERE SHOWN ON THE SERVICING PLANS. SUB-METERS FOR THE INDIVIDUAL UNITS WILL BE LOCATED IN THE MECHANICAL ROOM OF EACH INDIVIDUAL UNIT. SUB-METERING COMPANY WILL COLLECT PAYMENT FROM EACH INDIVIDUAL UNIT.
25. STORM SEWERS TO BE REINFORCED CONCRETE, PVC DR-35, OR CITY APPROVED EQUIVALENT.
26. STORM SEWERS WITHIN ROADWAY WITH LESS THAN 2.0m COVER SHALL BE INSULATED PER CITY OF OTTAWA DETAIL S35.
27. STORM MAINTENANCE HOLES TO BE PRECAST CONCRETE IN ACCORDANCE WITH ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE NOTED.
28. 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.
29. STREET CATCH BASIN LEADS TO BE INSTALLED WITH 1% GRADIENT MINIMUM, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
30. STORM SERVICES TO BE EXTENDED TO STANDPOST LOCATION.
31. 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.
32. INLET CONTROL DEVICES TO BE VERTICAL SLIDING TYPE FOR REMOVAL FOR CLEANING AS PER CITY OF OTTAWA STANDARDS.
33. SANITARY SEWERS TO BE PVC DR-35.
34. SANITARY SERVICES TO BE EXTENDED TO STANDPOST LOCATION.
35. 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.
36. CONTRACTOR TO INSTALL TEMPORARY INLET CONTROL DEVICE (ICD) IN SANITARY MAINTENANCE HOLE 101A c/w 39mm 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.
37. MATCH EXISTING ELEVATIONS AT ALL EXTERIOR PROPERTY LINES. ENSURE POSITIVE DRAINAGE TOWARD A SUITABLE OUTLET WHETHER INDICATED OR NOT.
38. 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.
39. 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.
40. 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% SPMDD
- 300mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMDD
SUBGRADE - EITHER FILL IN SITU SOIL OR OPSS GRANULAR 'B' TYPE II MATERIAL PLACED OVER IN SITU SOIL. ALL GEOTECHNICAL RECOMMENDATIONS TO BE CONFIRMED ON SITE BY GEOTECHNICAL ENGINEER.
LOCAL ROADS:
- 40mm WEAR COURSE - SP 12.5 ASPHALTIC CONCRETE
- 50mm BINDER COURSE - SP 19.0 ASPHALTIC CONCRETE
- 150mm BASE - OPSS GRANULAR 'A' COMPACTED TO 98% SPMDD
- 450mm SUBBASE - OPSS GRANULAR 'B' TYPE II COMPACTED TO 98% SPMDD
SUBGRADE - EITHER FILL IN SITU SOIL OR OPSS GRANULAR 'B' TYPE II OR I MATERIAL PLACED OVER IN SITU SOIL. ALL GEOTECHNICAL RECOMMENDATIONS TO BE CONFIRMED ON SITE BY GEOTECHNICAL ENGINEER.
AT ALL CONNECTION POINTS REINSTATE SURFACES TO EXISTING CONDITION OR BETTER:
- ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DRAWING R25
REINSTATEMENT OF COUNTRY GLEN WAY, INCLUDING SP-19.8 BASE AND INTERMEDIATE ASPHALT AND SP 12.5 WEAR ASPHALT:
MINIMUM 450 MM GRANULAR 'B' TYPE II - FOR WIDTH OF 10.5 METRES
MINIMUM 150 MM GRANULAR 'A' - FOR WIDTH OF 8.5 METRES
MINIMUM 50 MM SP 19.8 BASE COURSE ASPHALT - FOR WIDTH OF 8.5 METRES
MINIMUM 50 MM SP 19.8 INTERMEDIATE COURSE ASPHALT - FOR WIDTH OF 8.5 METRES
MINIMUM 40 MM SP 12.5 WEAR COURSE ASPHALT - FOR WIDTH OF 8.5 METRES
100 MM TOPSOIL C/W SEED - FOR DISTURBED AREAS WITHIN THE ROW
REINSTATEMENT OF CAMPEAU DRIVE, INCLUDING SP-19.0 BASE AND INTERMEDIATE ASPHALT AND SP 12.5 WEAR ASPHALT:
MINIMUM 600 MM GRANULAR 'B' TYPE II - FOR WIDTH OF 9.5 METRES
MINIMUM 150 MM GRANULAR 'A' - FOR WIDTH OF 8.5 METRES
MINIMUM 50 MM SP 19.0 BASE COURSE ASPHALT - FOR WIDTH OF 7.5 METRES
MINIMUM 50 MM SP 19.0 INTERMEDIATE COURSE ASPHALT - FOR WIDTH OF 7.5 METRES
MINIMUM 40 MM SP 12.5 WEAR COURSE ASPHALT - FOR WIDTH OF 7.5 METRES
100 MM TOPSOIL C/W SEED - FOR DISTURBED AREAS WITHIN THE ROW
REINSTATEMENT OF DONUM LANE:
MINIMUM 600 MM GRANULAR 'B' TYPE II - FOR WIDTH OF 10.5 METRES
150 MM GRANULAR 'A' - FOR WIDTH OF 9.5 METRES
100 MM TOPSOIL C/W SEED - FOR DISTURBED AREAS WITHIN THE ROW
CURBS TO BE:
BARRIER TYPE PER CITY OF OTTAWA STANDARD SC1.1. ALL CURBS TO BE BARRIER TYPE:
- EXCEPT STREET 2 FROM STA. 2+070 TO STA. 2+262
- EXCEPT WEST SIDE OF STREET 2 FROM STA. 2+262 TO STA. 2+370
- EXCEPT STREET 3 FROM STA. 3+074 TO 3+158
- EXCEPT STREET 4 FROM STA. 4+066 TO STA. 4+148
MOUNTABLE TYPE PER CITY OF OTTAWA STANDARD SC1.3.
- STREET 2 FROM STA. 2+070 TO STA. 2+262
- WEST SIDE OF STREET 2 FROM STA. 2+262 TO STA. 2+370
- STREET 3 FROM STA. 3+074 TO 3+158
- STREET 4 FROM STA. 4+066 TO STA. 4+148
41. ALL STREETS TO HAVE A CROSS-SECTIONAL CROWN SLOPE OF 3.0% WITH THE EXCEPTION OF STREET 2 THAT HAS A CROWN SLOPE OF 2% FROM STA. 2+156 TO STA. 2+262.
42. GEOTECHNICAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO IS TO INSPECT ALL SUBGRADE SURFACES FOR FOOTING AND PAVEMENT STRUCTURES PRIOR TO CONSTRUCTION.
EROSION AND SEDIMENT CONTROL NOTES:
43. DURING CONSTRUCTION ACTIVITIES APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES AS OUTLINED IN MNR'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.)



Revision table with columns for Revision No., Issue/Revision, Date, and Issue/Revision. Contains 6 entries for various stages of construction and review.

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Client: minto Communities; Consultant: J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS; Website: www.jlrichards.ca

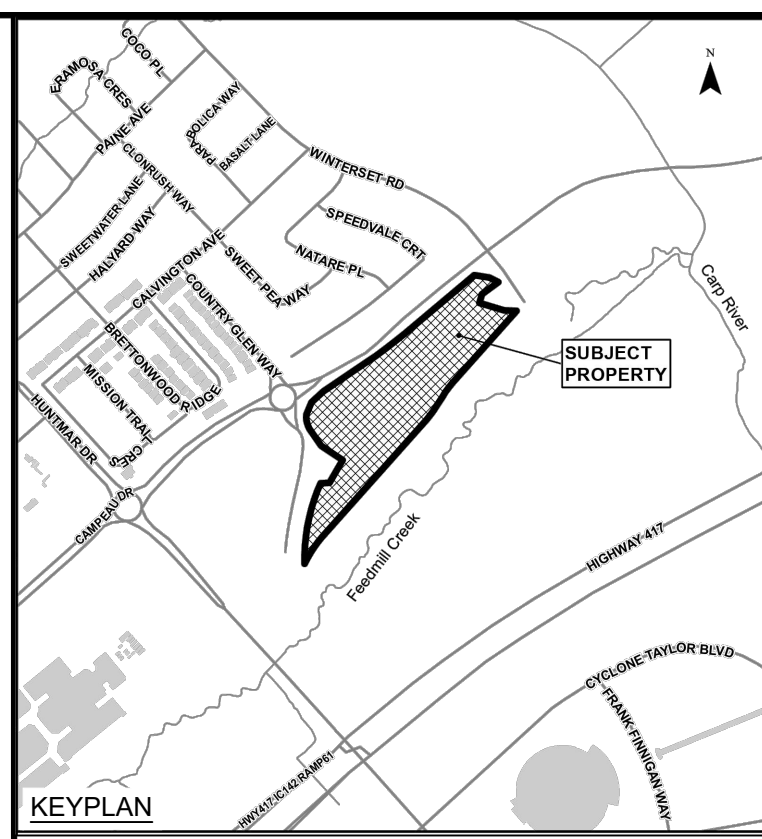
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Project: ARCADIA STAGE 6, 450 HUNTMAR DRIVE; Legend Sheet.

Legend table with columns for DESIGN, DRAWN, CHECKED, JLR #, DRAWING #, and LEGEND.

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Print Date: February 22, 2024 1:04:20 PM; Plot File No. D07-12-22-0111



	EXISTING SANITARY SEWER & MANHOLE
	EXISTING STORM SEWER & MANHOLE
	PROPOSED SANITARY SEWER & MANHOLE
	PROPOSED STORM SEWER & MANHOLE
	FUTURE SANITARY SEWER & MANHOLE
	ROAD REINSTATEMENT AREA

10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:1000

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING:

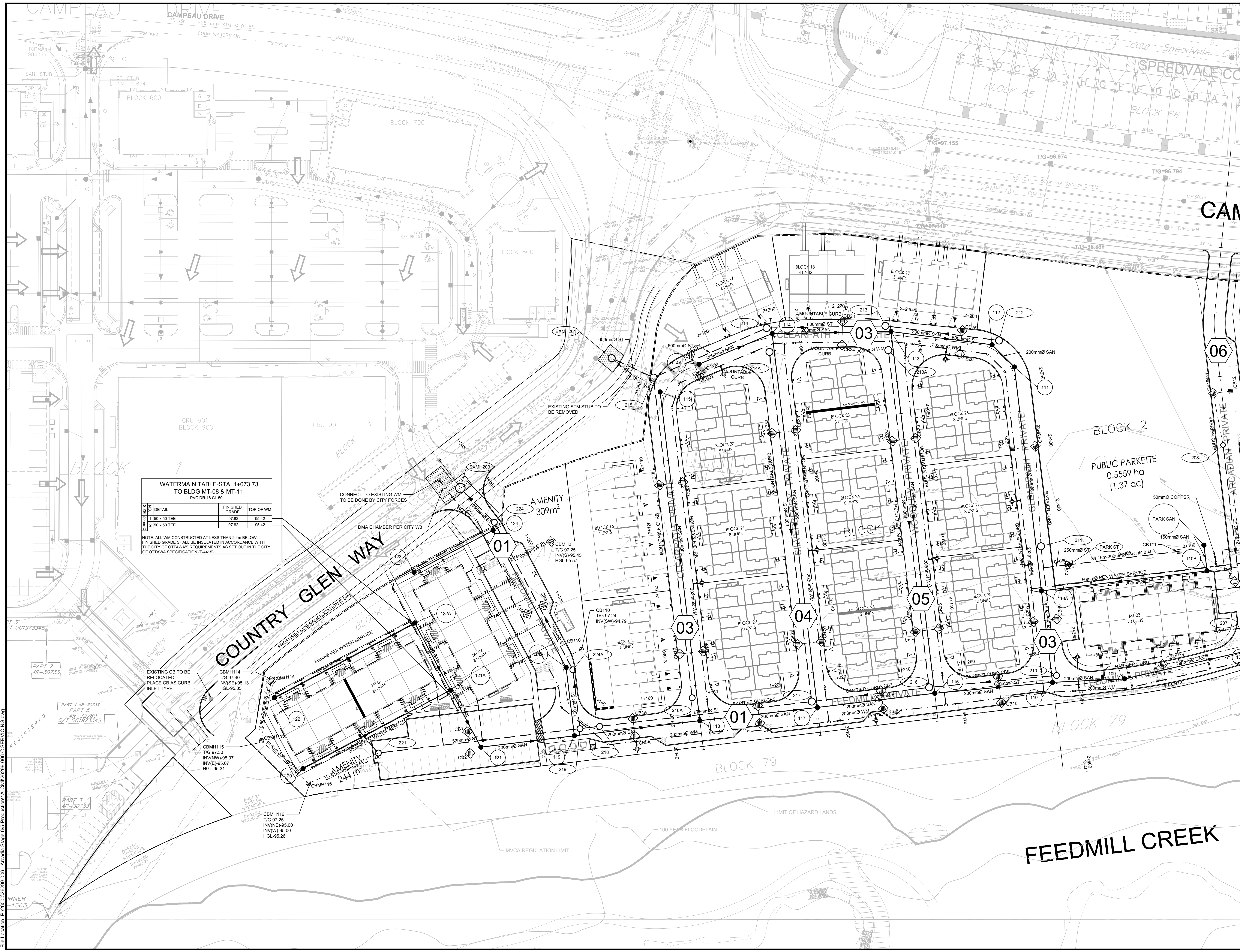
OVERALL SITE SERVICING PLAN

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

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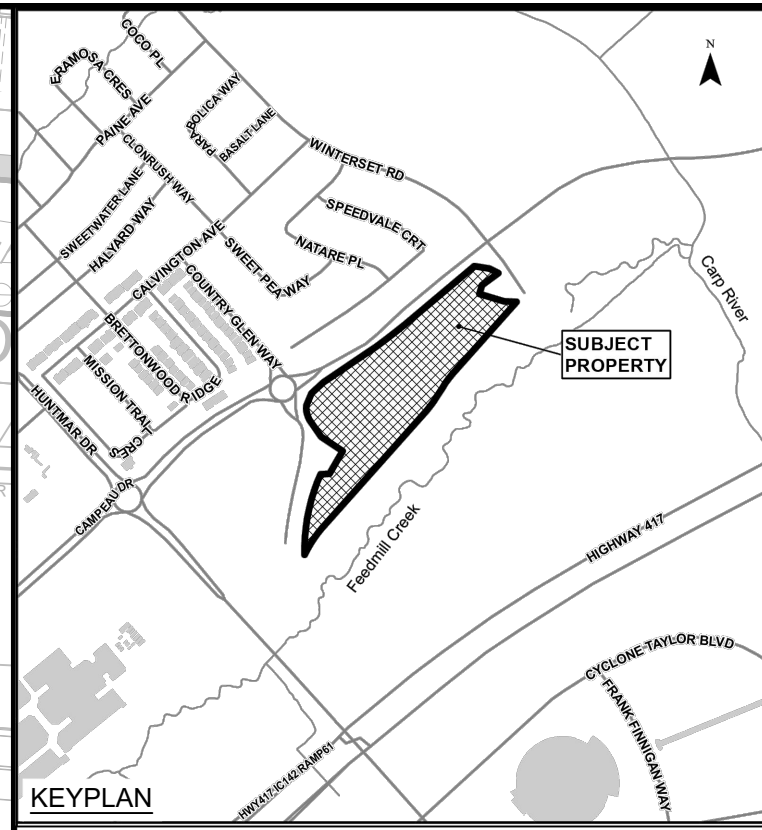
CITY PLAN No. 18829



WATERMAIN TABLE-STA. 1+073.73 TO BLDG MT-08 & MT-11 PVC DR-18 CL-50

BLK/UNIT	DETAIL	FINISHED GRADE	TOP OF WM
1	50 x 50 TEE	97.82	95.42
2	50 x 50 TEE	97.82	95.42

NOTE: ALL WM CONSTRUCTED AT LESS THAN 2.4m BELOW FINISHED GRADE SHALL BE INSULATED IN ACCORDANCE WITH THE CITY OF OTTAWA'S REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION (F-4415).



LEGEND:

- EXISTING SANITARY SEWER & MANHOLE
- EXISTING STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- PROPOSED STORM SEWER & MANHOLE
- FUTURE SANITARY SEWER & MANHOLE
- ROAD REINSTATEMENT AREA
- PROPOSED WEeping TILE

*WEeping TILES FOR METRO BLOCKS WITH UNDERGROUND GARAGE ARE DISCHARGING INTO INTERNAL SWAMP/PUMP SYSTEMS WITHIN THE BLOCKS PRIOR TO DISCHARGING TO STORM LATERALS.

No.	ISSUE / REVISION	DD/MM/YY
10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

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SCALE: 1:500

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT: **ARCADIA STAGE 6**

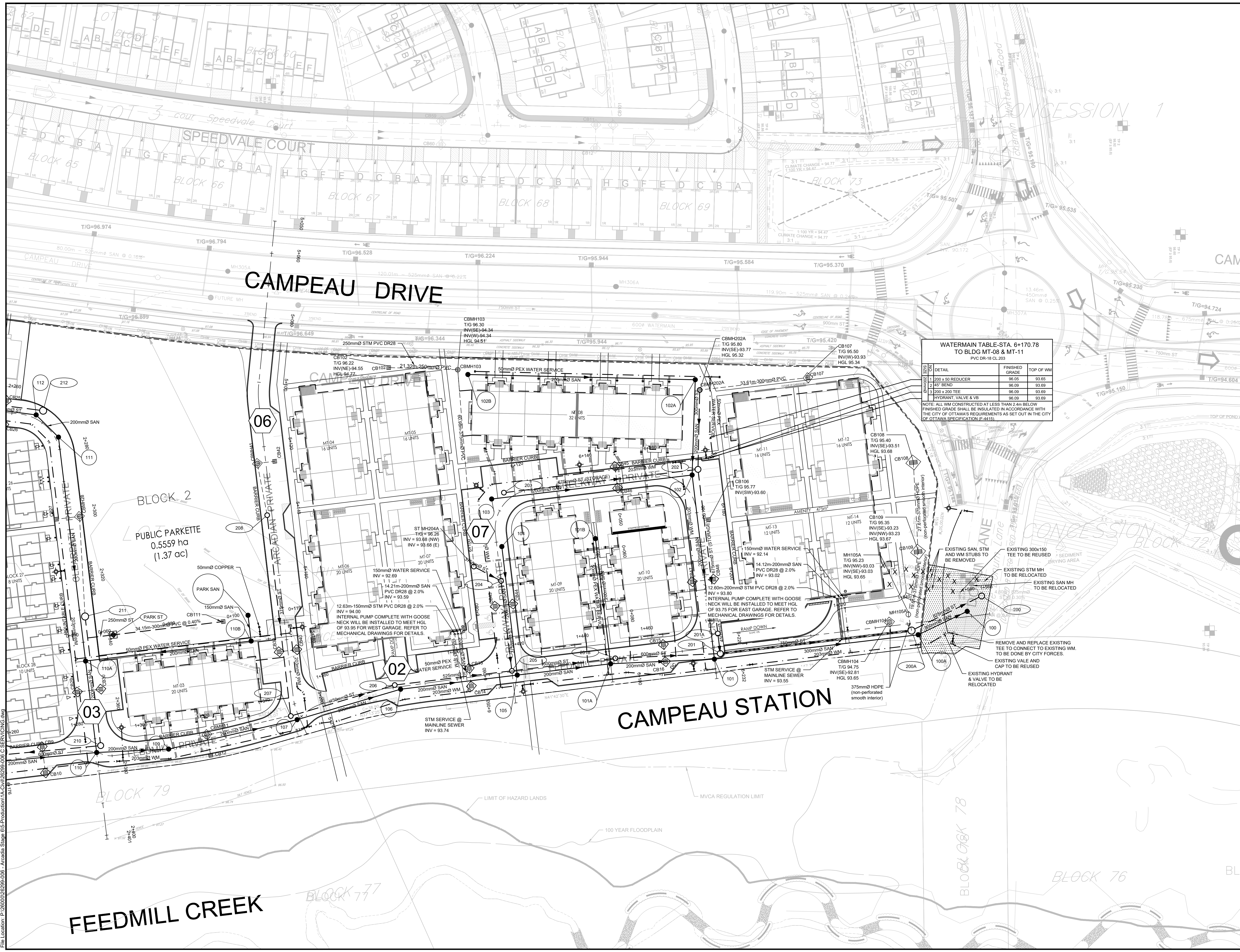
450 HUNTMAR DRIVE

DRAWING: **SITE SERVICING PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	S1
CHECKED: LD	
JLR #: 26299-006	

File Location: P:\2024\02\26299-006 - Arcadia Stage 6\5-Production\A-Civil\26299-006 C SERVICING.dwg

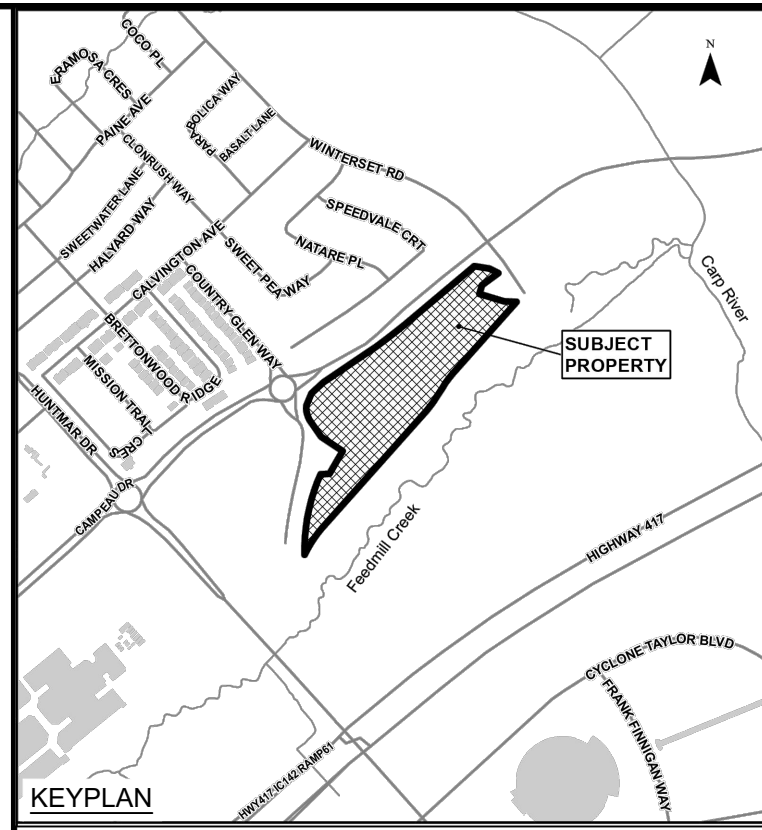
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CITY FILE No. D07-12-22-0111



WATERMAIN TABLE STA. 6+170.78 TO BLDG MT-08 & MT-11
PVC DR-18 CL 203

DETAIL	FINISHED GRADE	TOP OF WM
1 200 x 50 REDUCER	96.05	93.65
2 45° BEND	96.09	93.69
3 200 x 200 TEE	96.09	93.69
HYDRANT, VALVE & VB	96.09	93.69

NOTE: ALL WM CONSTRUCTED AT LESS THAN 2.4m BELOW FINISHED GRADE SHALL BE INSULATED IN ACCORDANCE WITH THE CITY OF OTTAWA'S REQUIREMENTS AS SET OUT IN THE CITY OF OTTAWA SPECIFICATION (F-4415).



- LEGEND:**
- EXISTING SANITARY SEWER & MANHOLE
 - EXISTING STORM SEWER & MANHOLE
 - PROPOSED SANITARY SEWER & MANHOLE
 - PROPOSED STORM SEWER & MANHOLE
 - FUTURE SANITARY SEWER & MANHOLE
 - ROAD REINSTATEMENT AREA
 - PROPOSED WEAVING TILE

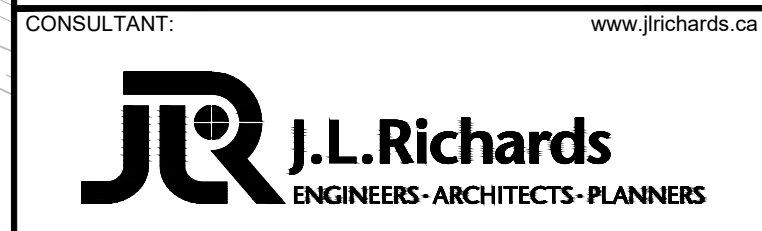
*WEAVING TILES FOR METRO BLOCKS WITH UNDERGROUND GARAGE ARE DISCHARGING INTO INTERNAL SWAMP/PUMP SYSTEMS WITHIN THE BLOCKS PRIOR TO DISCHARGING TO STORM LATERALS.

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
No.	ISSUE / REVISION	DD/MM/YY

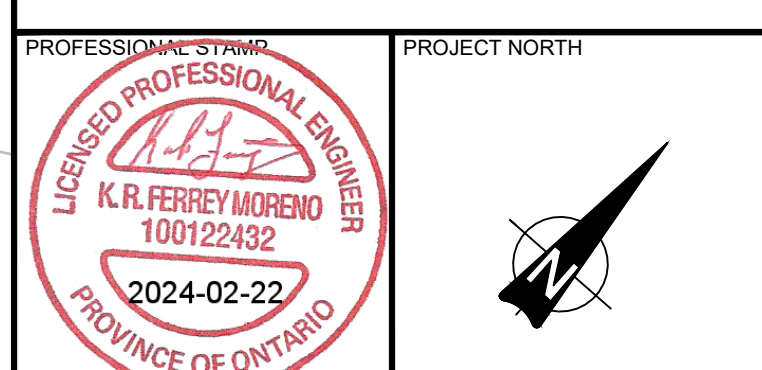
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SCALE: 1:500



CONSULTANT:



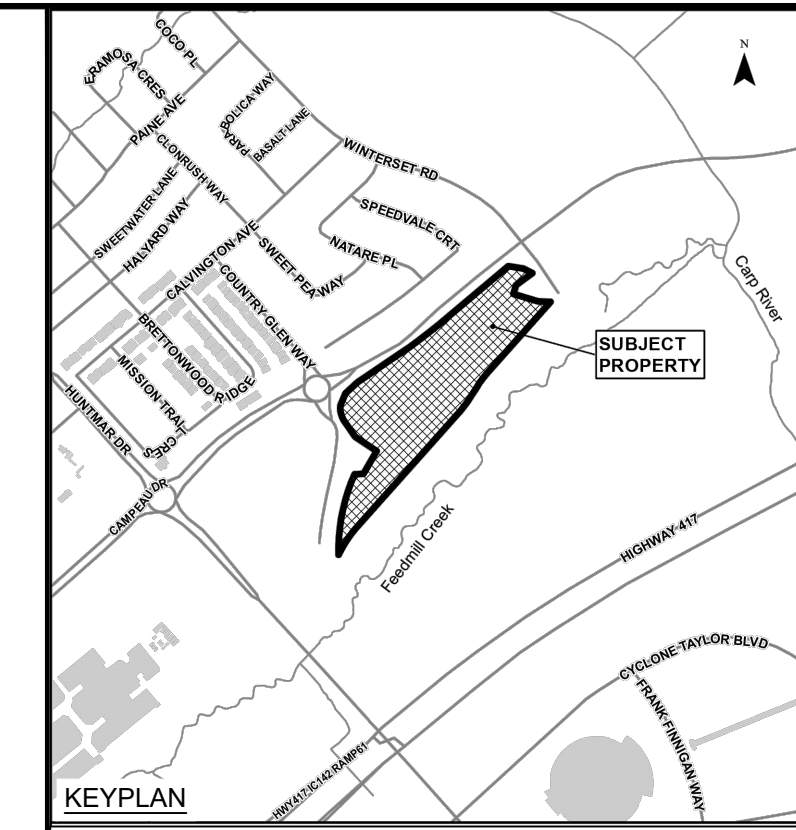
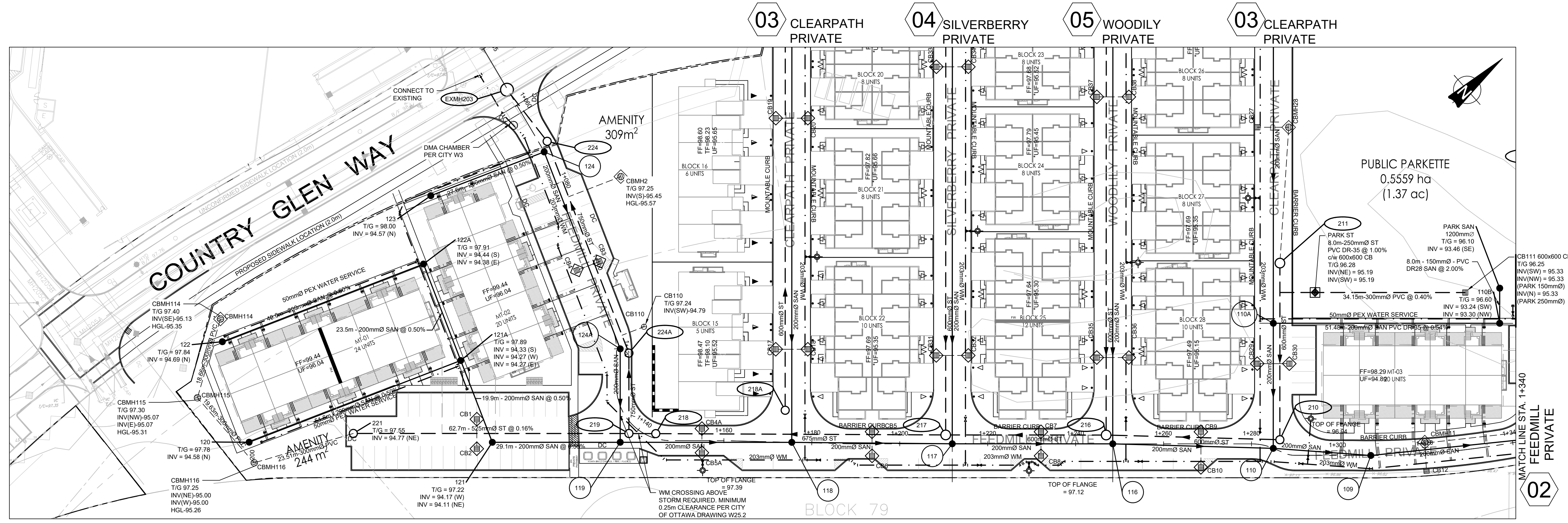
PROJECT: ARCADIA STAGE 6
450 HUNTMAR DRIVE

DRAWING: SITE SERVICING PLAN

DESIGN: MM	DRAWING #:
DRAWN: KC	S2
CHECKED: LD	
JLR #: 26299-006	

File Location: P:\2020\02\26299-006 - Arcadia Stage 05-Production\A-Civil\26299-006 C SERVICING.DWG

PLOT DATE: February 22, 2024 1:07:31 PM
CITY FILE No. D07-12-22-0111
CITY PLAN No. 18829

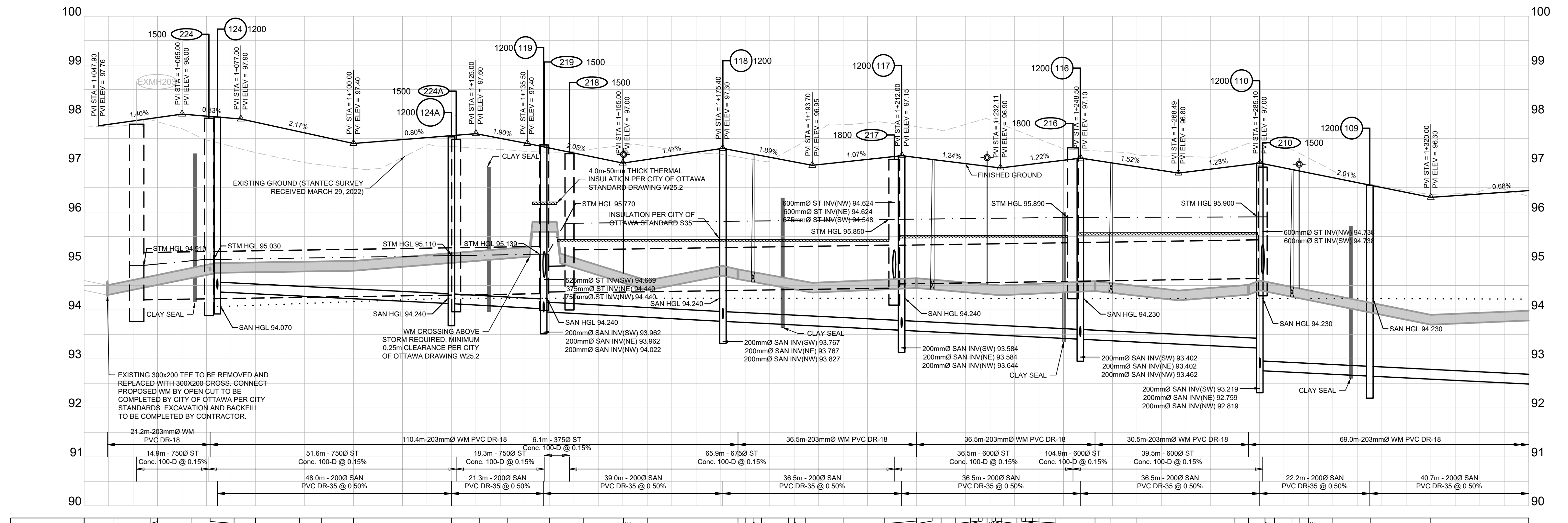


LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN c/w ICD
- PROPOSED CATCH BASIN & LEAD
- PROPOSED TIE 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) C/W SAFETY PLATFORM PER PSPD 404-020
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100 mm ST, 19 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- DEMOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DD/MM/YY
10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
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07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

FEEDMILL PRIVATE

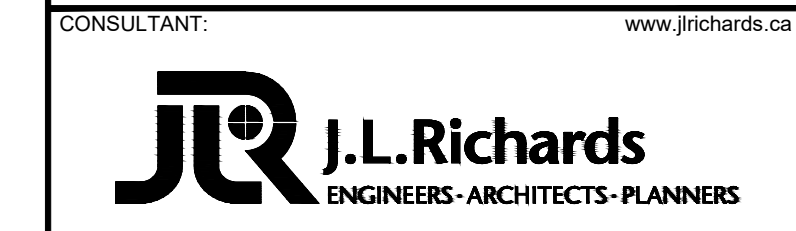


DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.786	94.524	94.428	94.228	1+945.00
97.831	94.554	94.428	94.228	1+949.74
97.930	94.716	94.428	94.228	1+950.00
97.885	94.775	94.428	94.228	1+960.85
97.952	94.835	94.428	94.228	1+970.49
97.835	94.895	94.428	94.228	1+977.22
97.555	94.959	94.428	94.228	1+980.00
97.458	94.989	94.428	94.228	1+992.87
97.458	94.998	94.428	94.228	1+997.33
97.400	95.000	94.428	94.228	1+100.00
		94.413	94.228	1+120.00
		94.413	94.228	1+125.70
		94.335	94.228	1+131.50
		94.440	94.228	1+136.86
		94.440	94.228	1+140.00
		94.449	94.228	1+148.25
		94.716	94.228	1+155.16
		94.751	94.228	1+160.00
		94.600	94.228	1+175.41
		94.829	94.228	1+178.53
		97.213	94.228	1+183.00
		97.782	94.228	1+181.61
		97.077	94.228	1+187.18
		97.055	94.228	1+188.34
		97.021	94.228	1+200.00
		97.113	94.228	1+214.95
		97.073	94.228	1+230.00
		97.051	94.228	1+237.67
		97.532	94.228	1+238.39
		97.894	94.228	1+239.39
		97.912	94.228	1+231.18
		97.512	94.228	1+236.36
		96.992	94.228	1+237.22
		96.962	94.228	1+246.94
		97.055	94.228	1+249.44
		97.006	94.228	1+254.69
		96.925	94.228	1+260.00
		96.972	94.228	1+280.00
		96.979	94.228	1+288.68
		96.868	94.228	1+291.66
		96.912	94.228	1+293.12
		96.701	94.228	1+300.00
		96.548	94.228	1+307.56
		96.548	94.228	1+320.00
		96.300	94.228	1+340.00
		96.437	94.228	1+340.00

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SCALE: 1:500 H, 1:50 V



CONSULTANT: J.L. Richards ENGINEERS-ARCHITECTS-PLANNERS

PROJECT NORTH

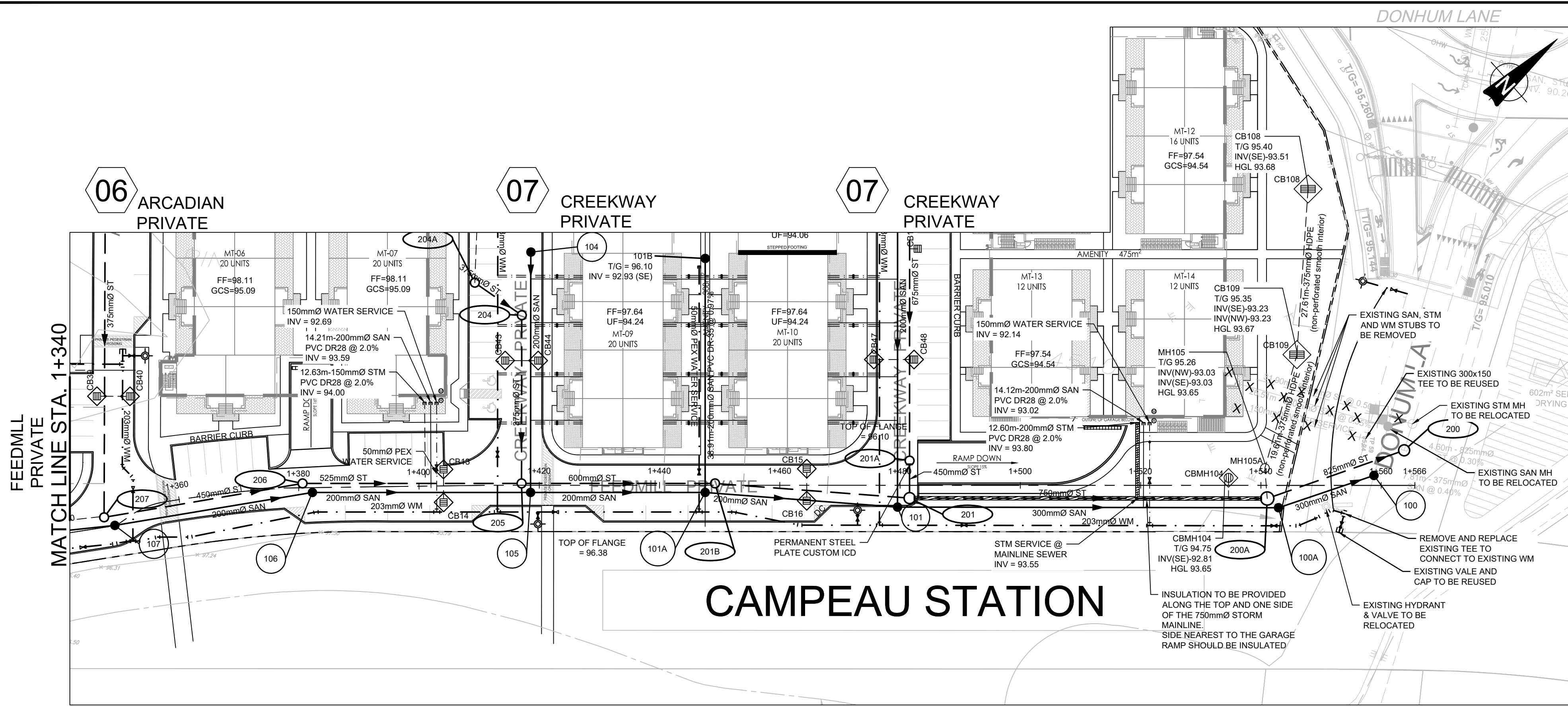
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PROJECT: ARCADIA STAGE 6

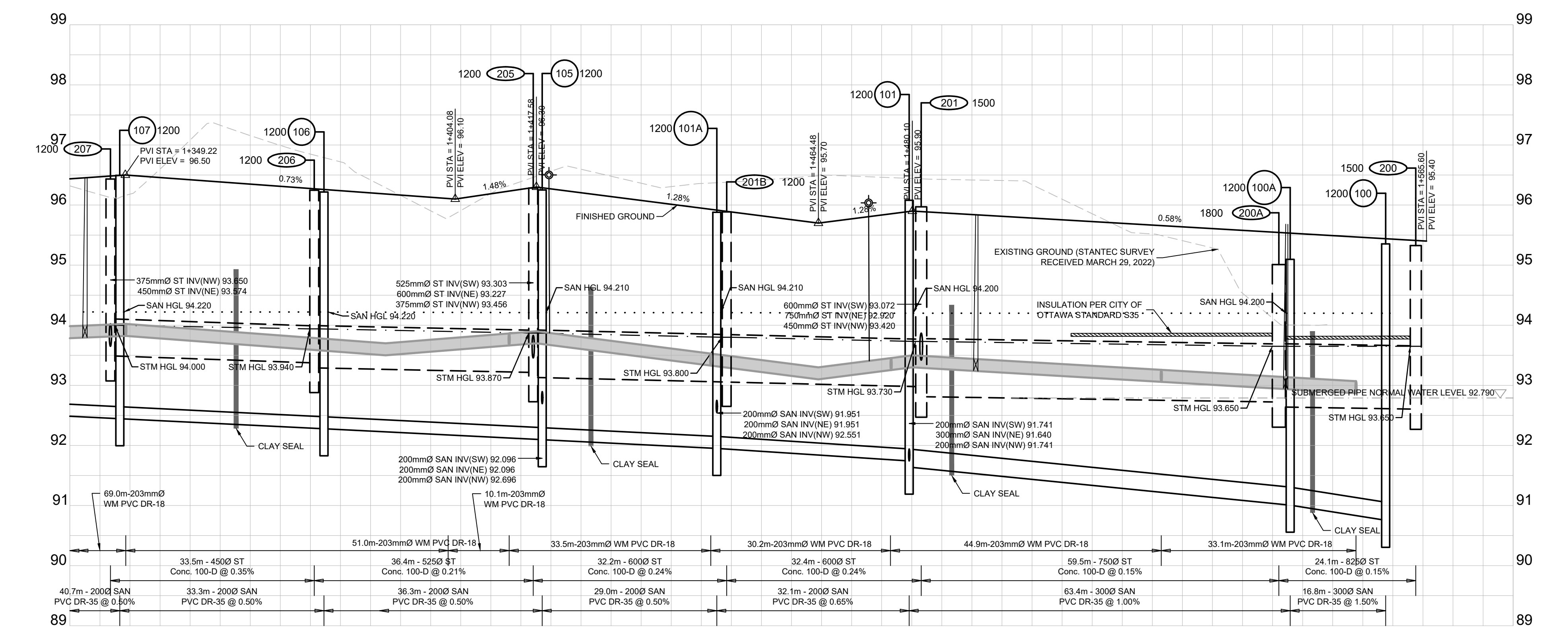
450 HUNTMAR DRIVE

DRAWING: PLAN & PROFILE FEEDMILL PRIVATE 1+050 TO 1+390

DESIGN:	MM	DRAWING #:
DRAWN:	KC	01
CHECKED:	LD	
JLR #:	26299-006	



FEEDMILL PRIVATE

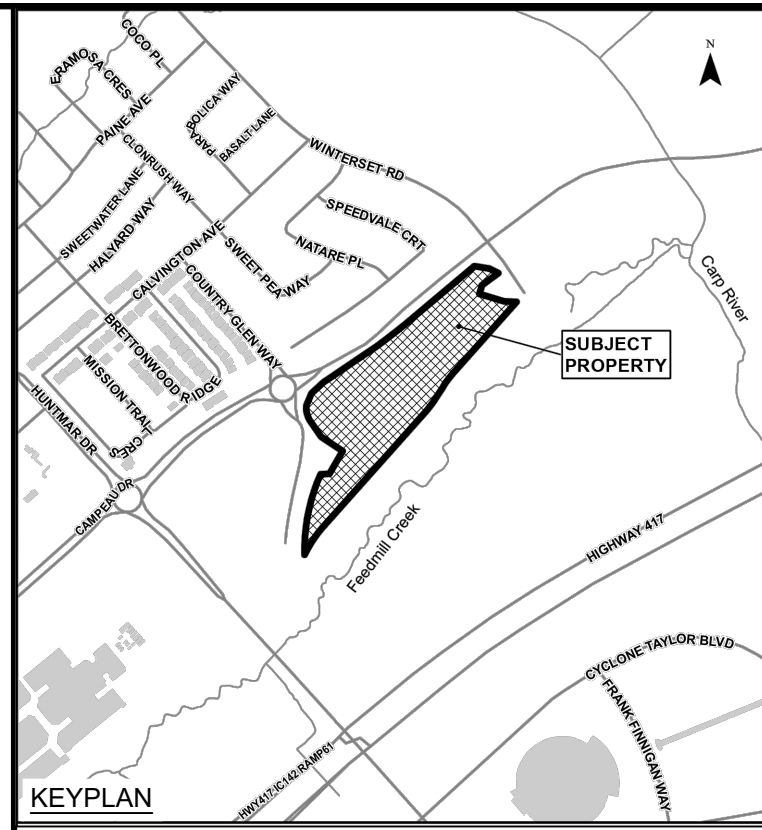


INSULATION REFERENCE TABLE

EARTH COVER	REQUIRED INSULATION THICKNESS
2.0m - 1.5m	50mm
1.5m - 1.2m	75mm
1.2m - 0.9m	100mm
0.9m - 0.6m	125mm

1. SEWER INSTALLATION (INCLUDING BEDDING AND COVER) TO BE PER CITY OF OTTAWA TRENCH DETAIL S6
 2. INSULATION POINTS TO BE STAGGERED, WITH MINIMUM 0.3 OVERLAP
 3. INSULATION TO BE CENTERED OVER PIPE
 4. INSULATION TO BE PROVIDED AT ALL SEWER LOCATIONS WHERE MINIMUM COVERAGE OF 2.0M IS NOT ACHIEVED.

GARAGE RAMP STORM SEWER INSULATION DETAIL
NOT TO SCALE



LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN c/w ICD
- 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) C/W SAFETY PLATFORM PER CPSS 404 020
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 58 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- NORMAL WATER LEVEL
- INSULATION

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
No.	ISSUE / REVISION	DD/MM/YY

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT: ARCADIA STAGE 6

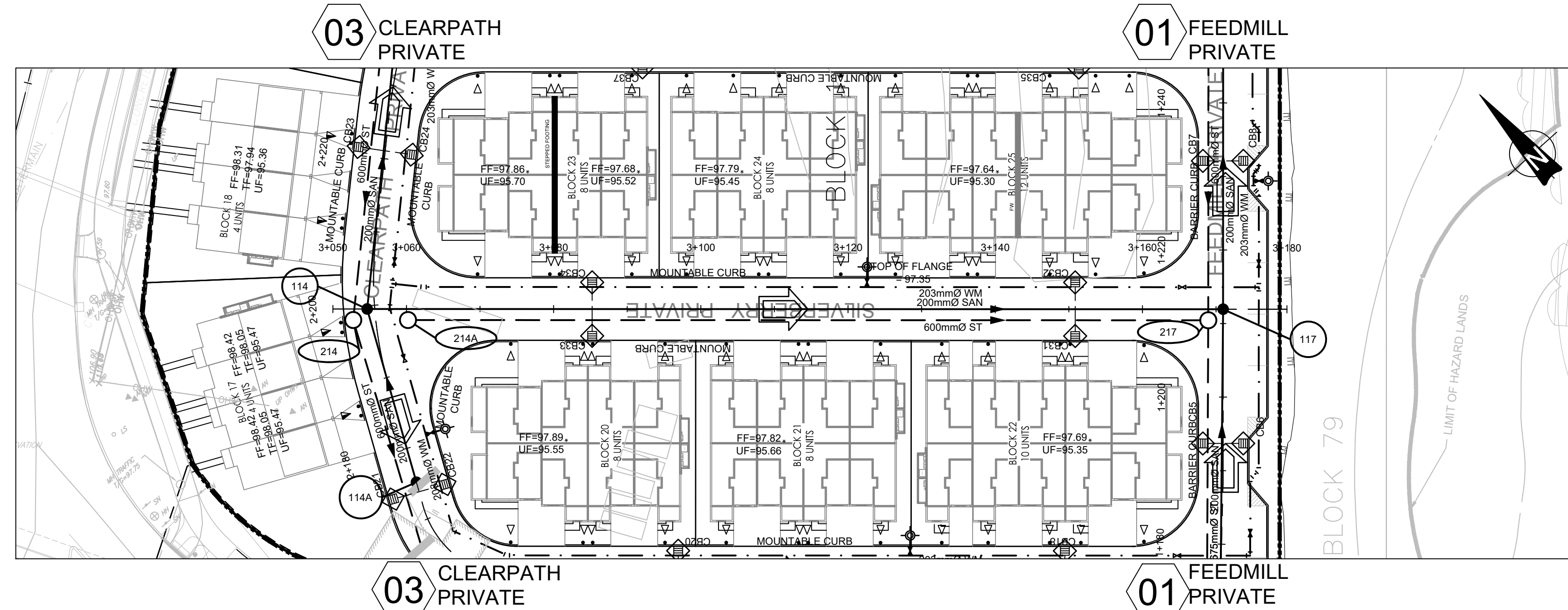
450 HUNTMAR DRIVE

DRAWING: PLAN & PROFILE FEEDMILL PRIVATE 1+390 TO 1+623.83

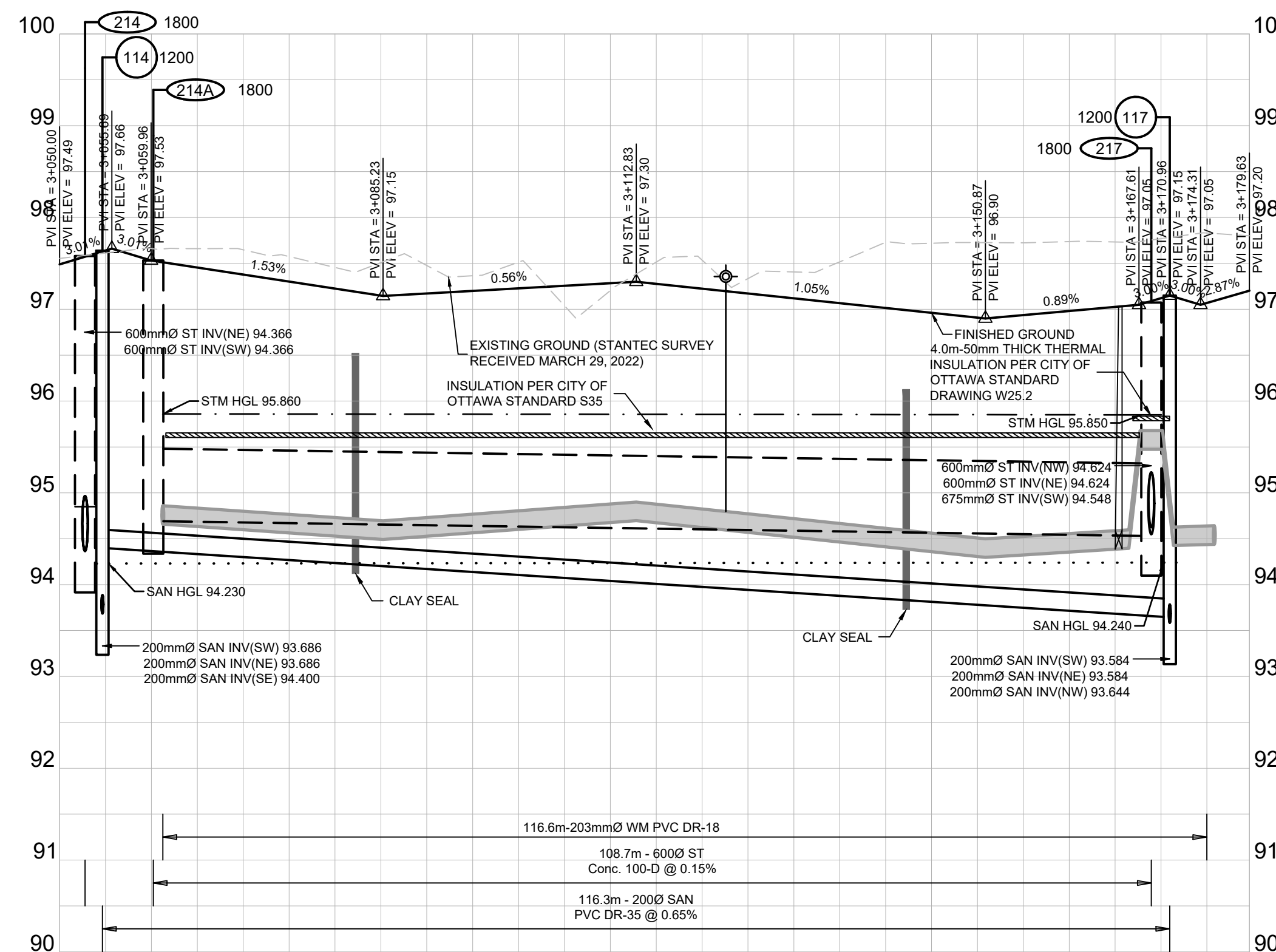
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DRAWN: KC	02
CHECKED: LD	
JLR #:	26299-006

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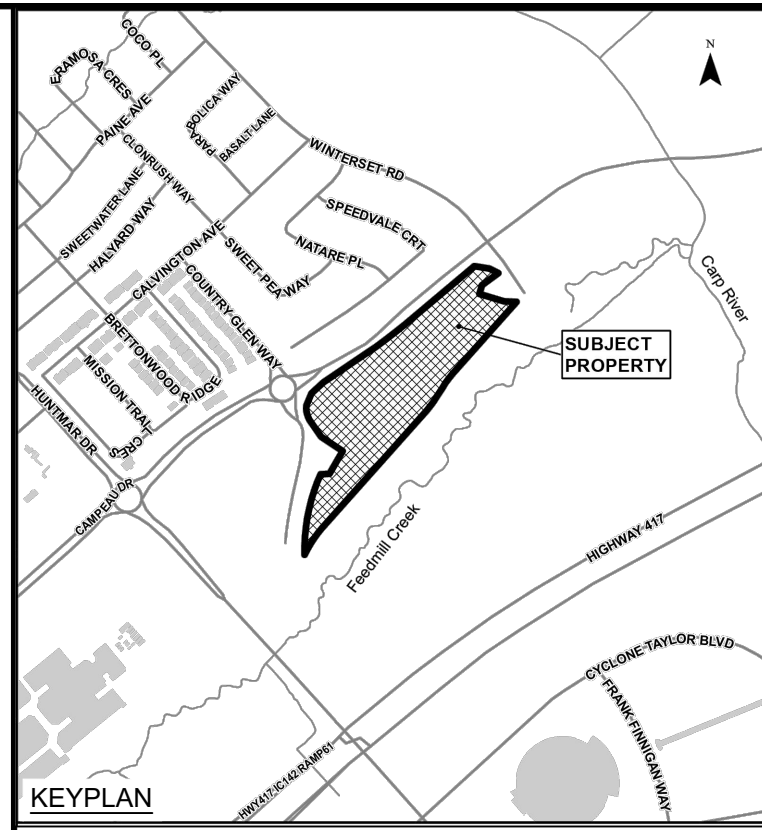
PLOT DATE: February 22, 2024 1:09:35 PM CITY PLAN No. 18829



SILVERBERRY PRIVATE



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.489				3+450.00
97.68				3+452.76
97.531	94.859	94.757	94.400	3+454.66
97.512				3+460.00
97.495				3+462.00
97.452				3+462.34
				3+468.00
97.226	94.731			3+473.1
				3+480.00
97.228	94.805			3+490.00
				3+500.00
				3+520.00
				3+522.58
				3+540.00
				3+565.40
				3+566.50
				3+569.00
				3+572.72
				3+577.28
				3+584.94
				3+589.96
				3+591.36
				3+593.81
				3+596.63



LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- 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
- PROPOSED STORM SEWER & MANHOLE PLATFORM PER OPSD 404.020
- MANHOLE NUMBER AND SIZE (mm) CIV SAFETY
- 2 LATERAL - SERVICE CONNECTION (150mm ST, 150mm Water)
- 3 LATERAL - SERVICE CONNECTION (150mm ST, 150mm SAN, 150mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DDMMYY
10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS



PROJECT:

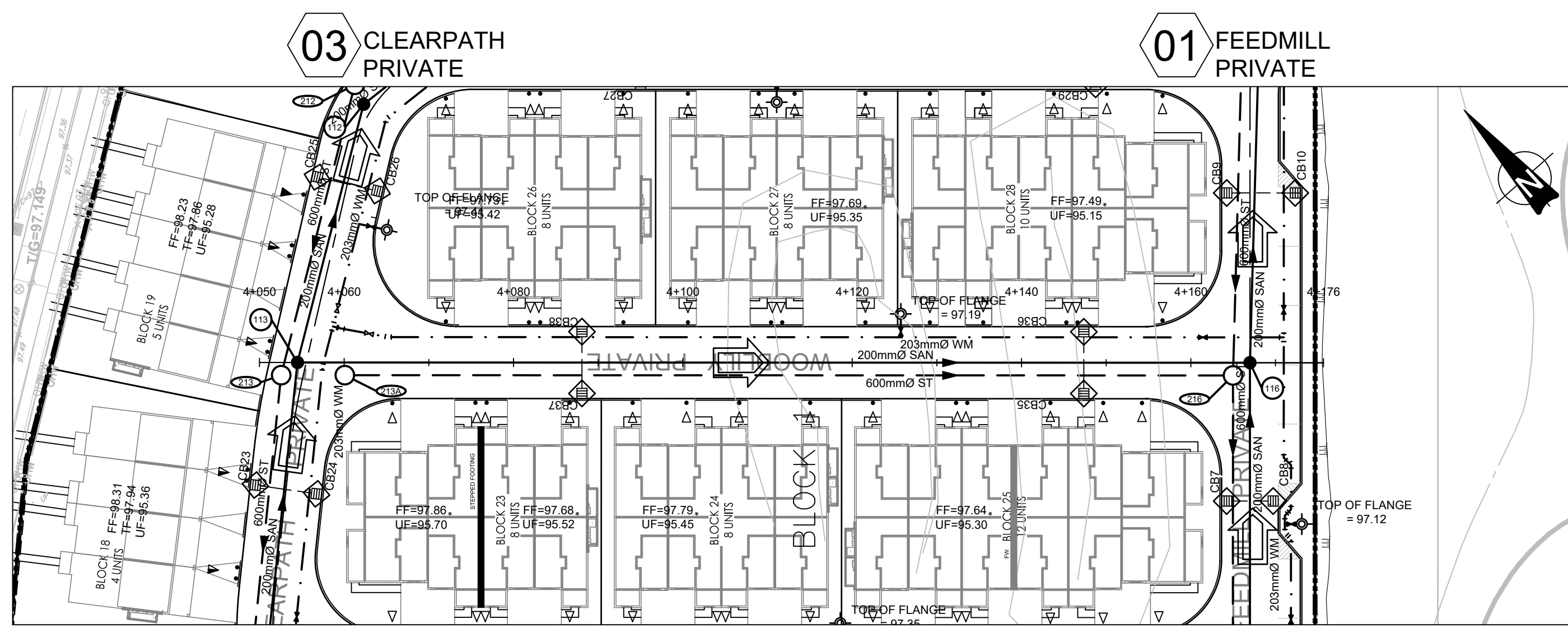
ARCADIA STAGE 6

450 HUNTMAR DRIVE

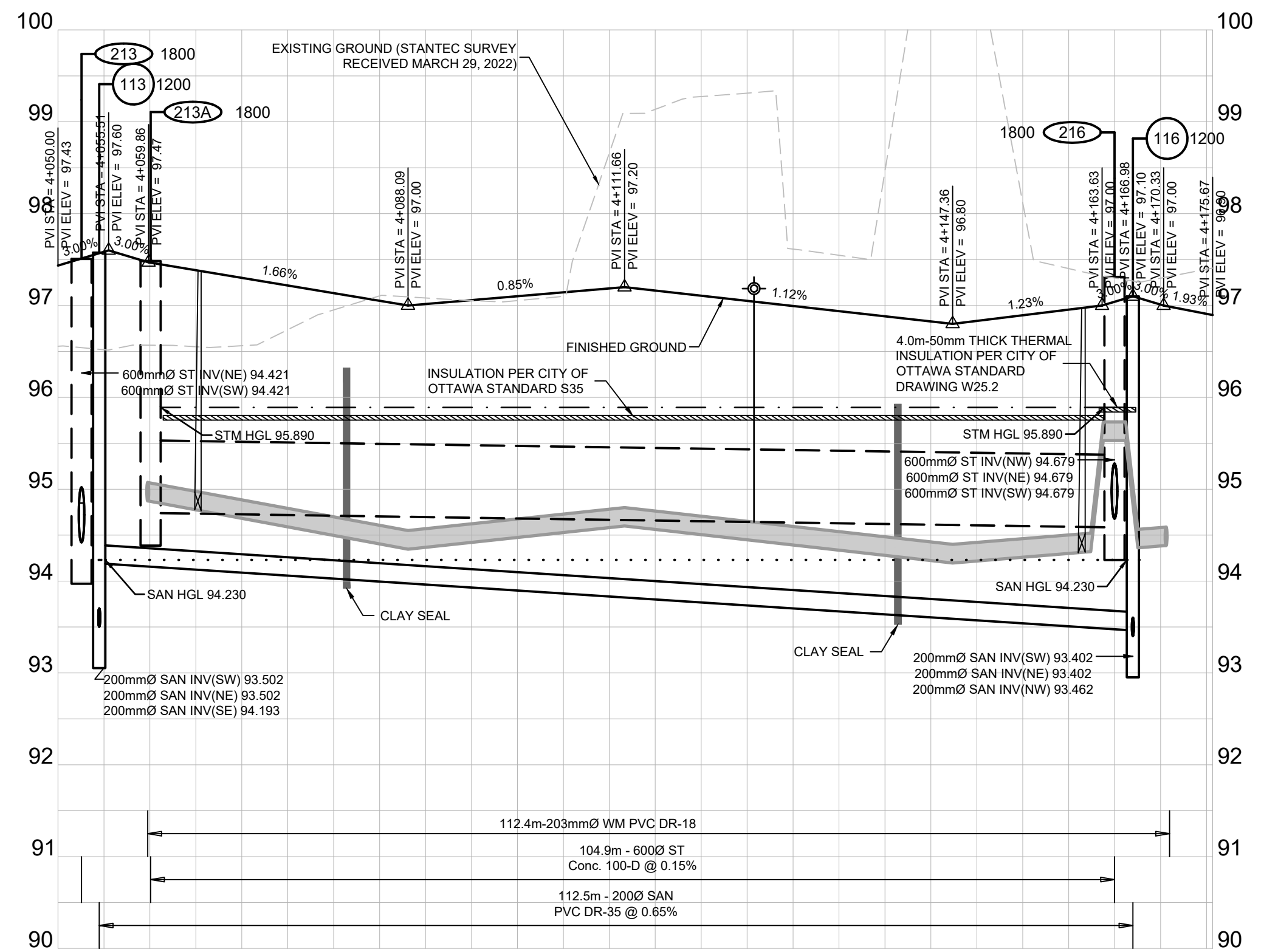
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PLAN & PROFILE SILVERBERRY PRIVATE
3+050 TO 3+179.63

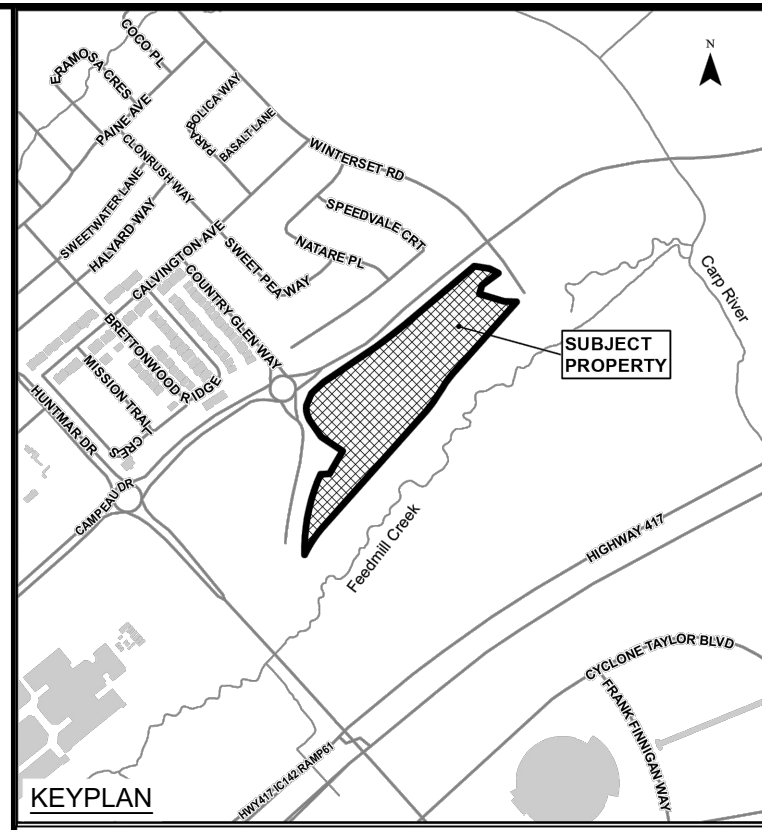
DESIGN: MM	DRAWING #:
DRAWN: KC	04
CHECKED: LD	
JLR #: 26299-006	



WOODILY PRIVATE



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.435	96.688	94.636	94.183	4+150.00
97.467	96.073			4+152.56
97.473	95.073			4+154.48
97.477	94.4			4+160.00
97.418	94.972			4+169.76
97.381	94.972			4+162.94
97.135	94.972			4+185.20
97.101	94.699			4+180.00
97.107	94.676			4+100.00
97.042	94.707			4+120.00
97.077	94.642			4+125.75
96.882	94.482			4+140.00
96.972	94.513			4+161.42
96.964	94.513			4+162.40
97.003	95.732			4+163.76
97.077	94.502			4+160.00
97.077	95.732			4+166.21
97.077	94.679			4+164.88
97.094	94.502			4+168.88
96.984	94.502			4+167.53
96.984	94.502			4+170.60
96.896	94.502			4+175.67



LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- 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) CIV SAFETY PLATFORM PER OPSD 404.020
- 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
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DDMMYY
10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
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06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

CONSULTANT:

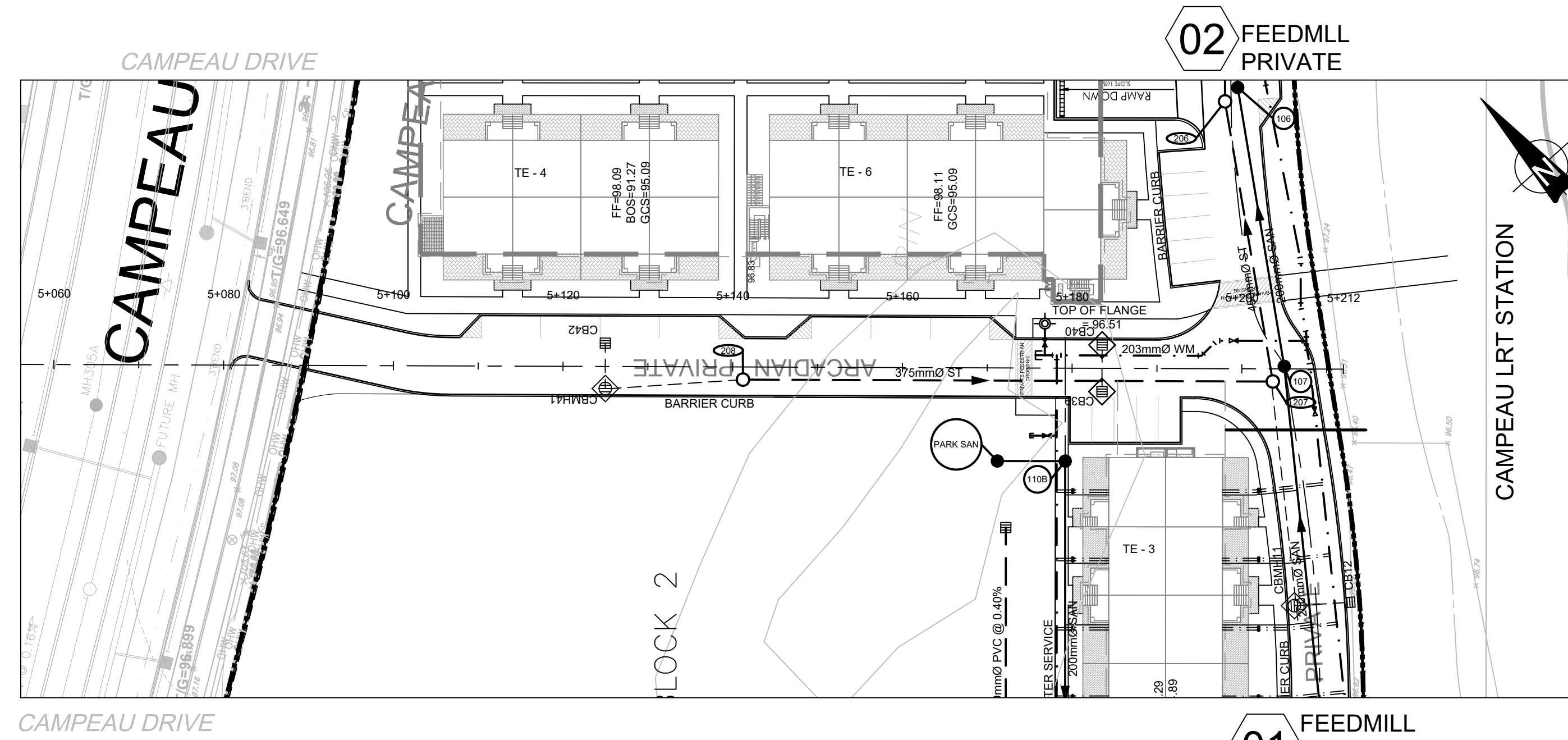
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PROJECT:
ARCADIA STAGE 6
 450 HUNTMAR DRIVE

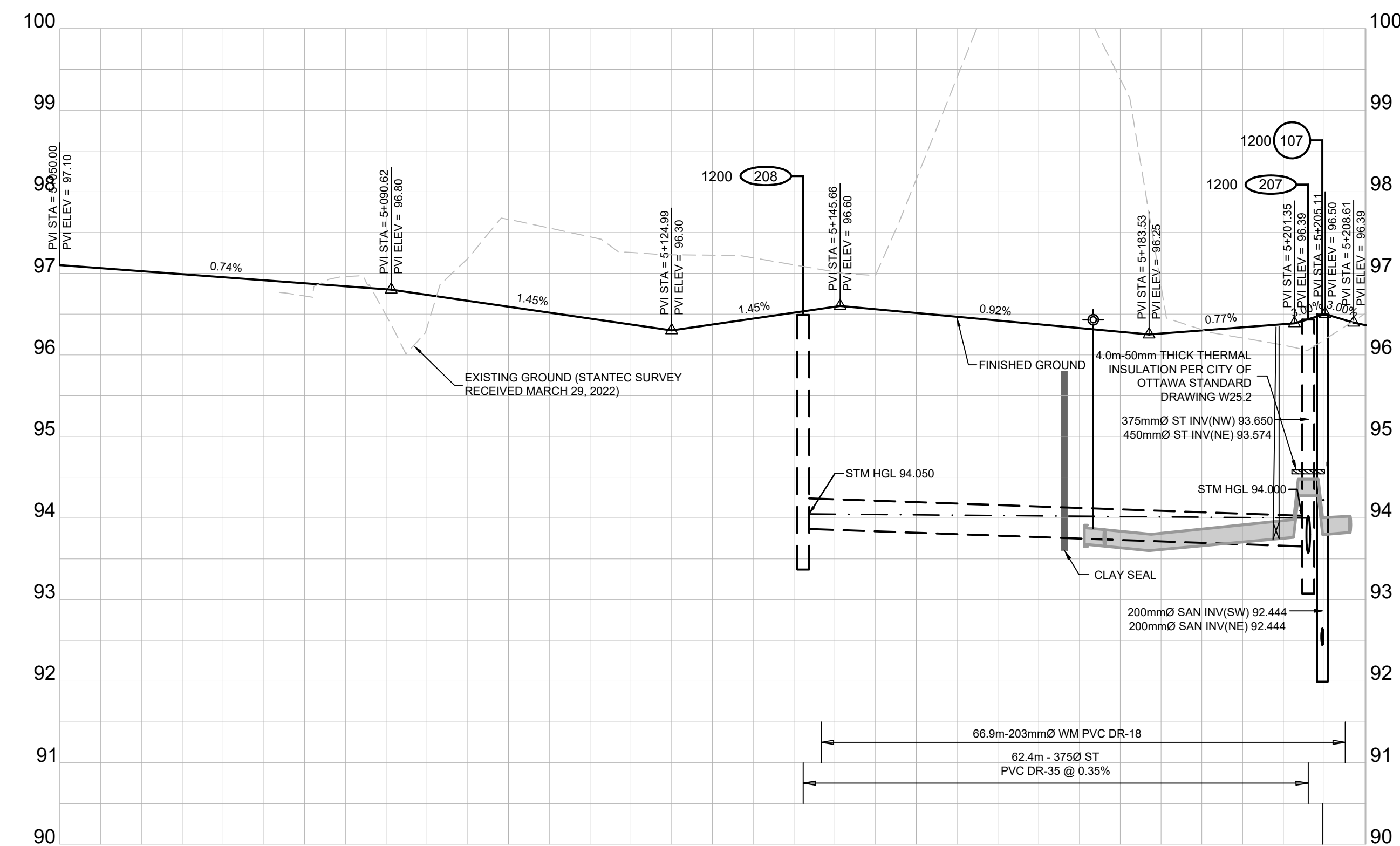
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**PLAN & PROFILE
 WOODILY PRIVATE
 4+050 TO 4+175.67**

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

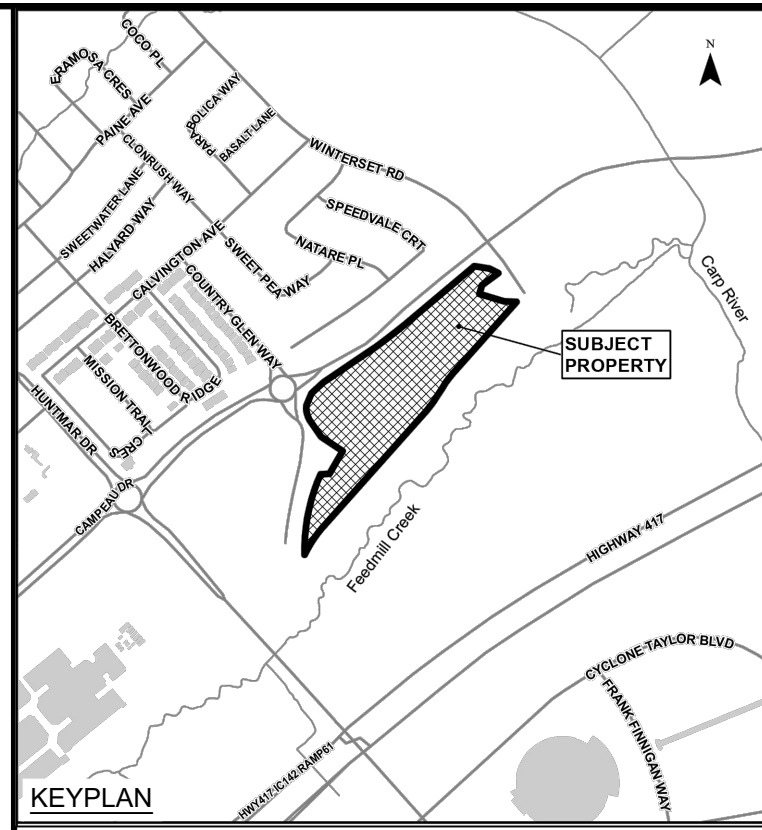
DRAWING #:
05



ARCADIAN PRIVATE



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
97.100				5+050.00
97.026				5+060.00
96.978				5+080.00
97.18				5+100.00
96.684				5+120.00
96.73				5+141.12
96.516		93.868		5+160.00
96.467				5+175.59
96.323	93.882			5+176.69
96.313	93.871			5+178.19
96.299	93.856			5+180.00
96.283	93.838			5+195.22
96.240	93.919			5+197.03
96.154	93.835			5+198.98
96.108	93.819			5+201.27
96.087	93.808			5+201.82
96.071	93.797			5+202.00
96.054	93.787			5+202.05
96.037	93.777			5+202.16
96.023	93.767			5+208.16
94.023	93.358			5+208.16



LEGEND:

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- 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) CIV SAFETY PLATFORM PER OPSD 404-020
- 2 LATERAL - SERVICE CONNECTION (150 mm SAN, 19 mm Water)
- 3 LATERAL - SERVICE CONNECTION (150 mm ST, 150 SAN, 19 mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- FW DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DD/MM/YY
10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
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08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

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SCALE: 1:500 H, 1:50 V

CLIENT:

CONSULTANT:

PROFESSIONAL STAMP

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

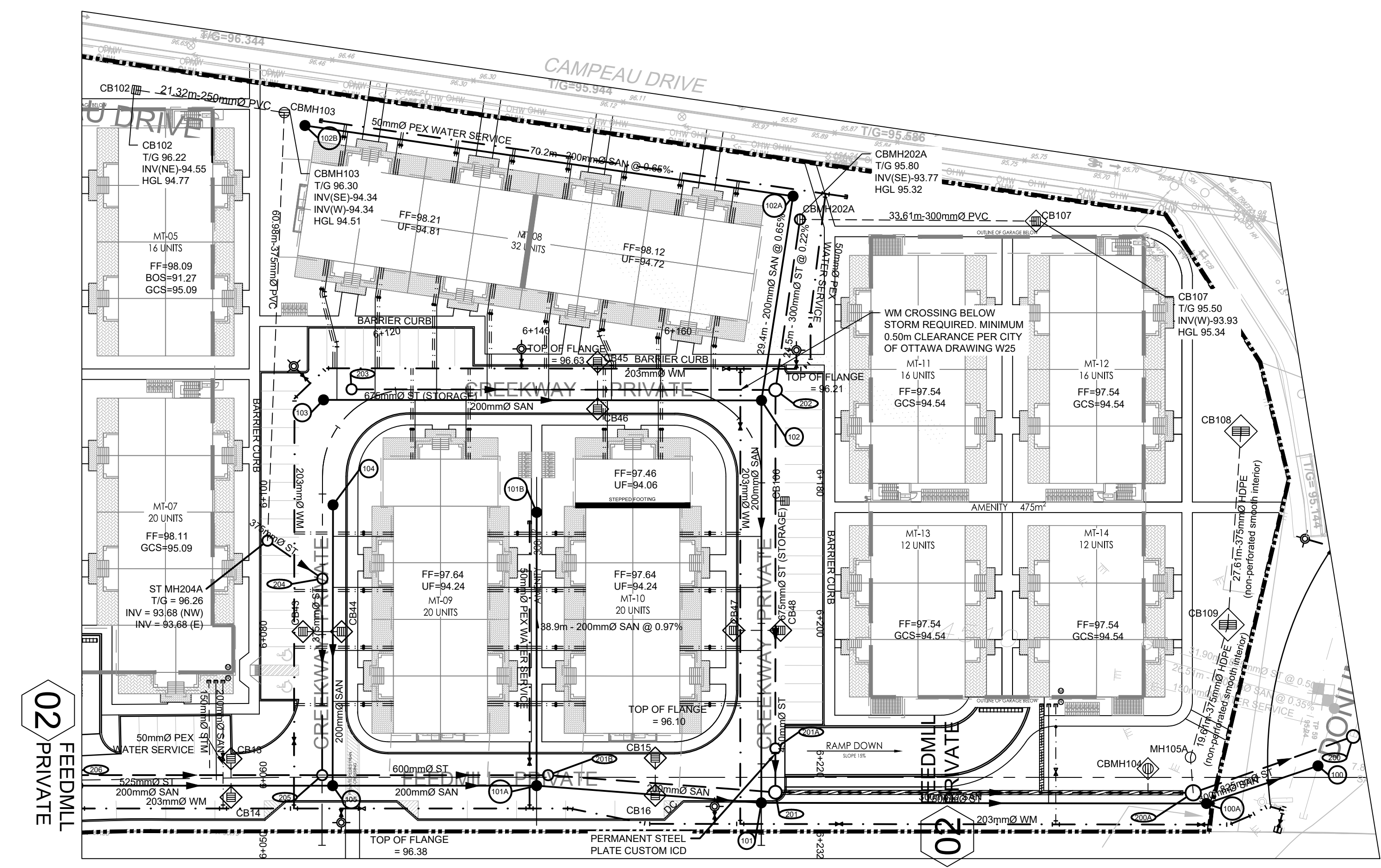
DRAWING:

PLAN & PROFILE
ARCADIAN PRIVATE
5+050 TO 5+211.97

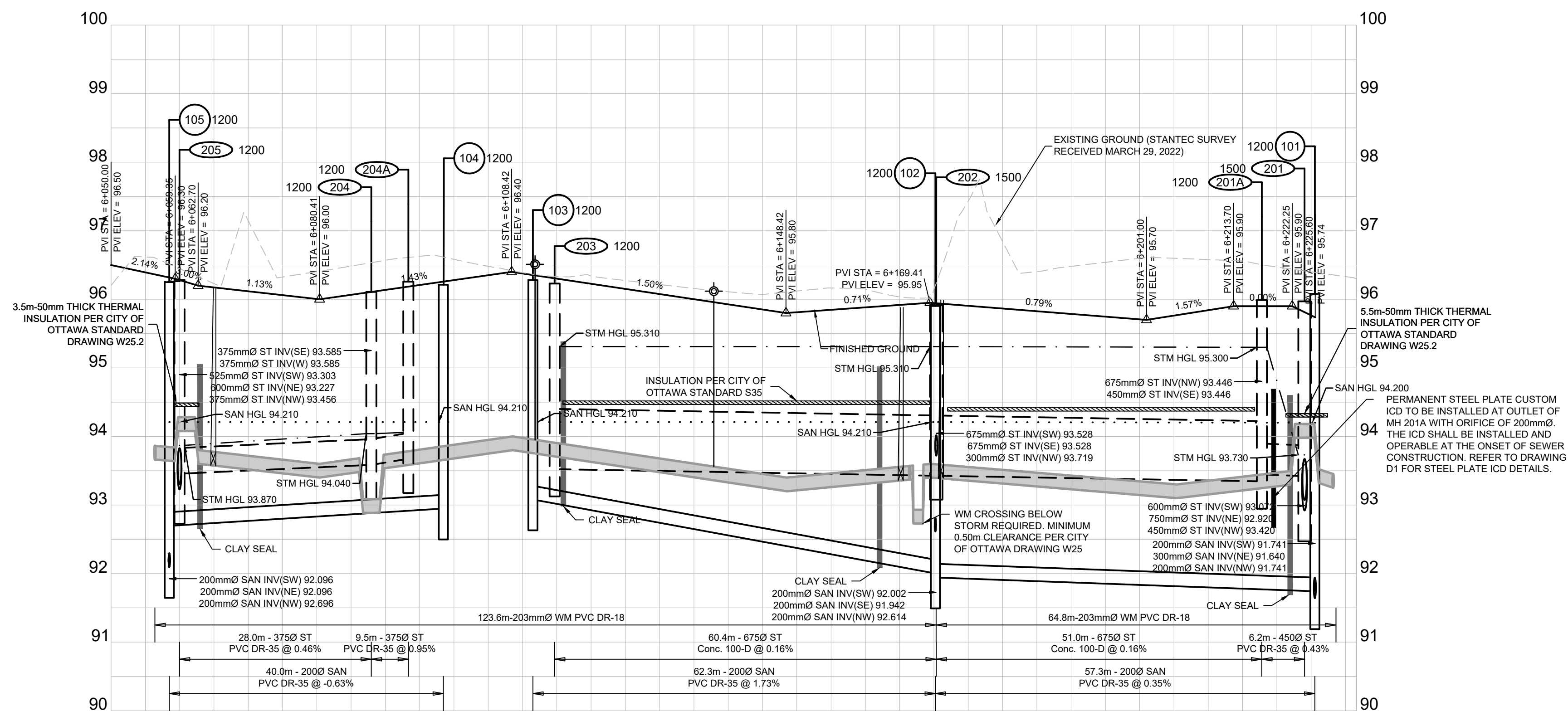
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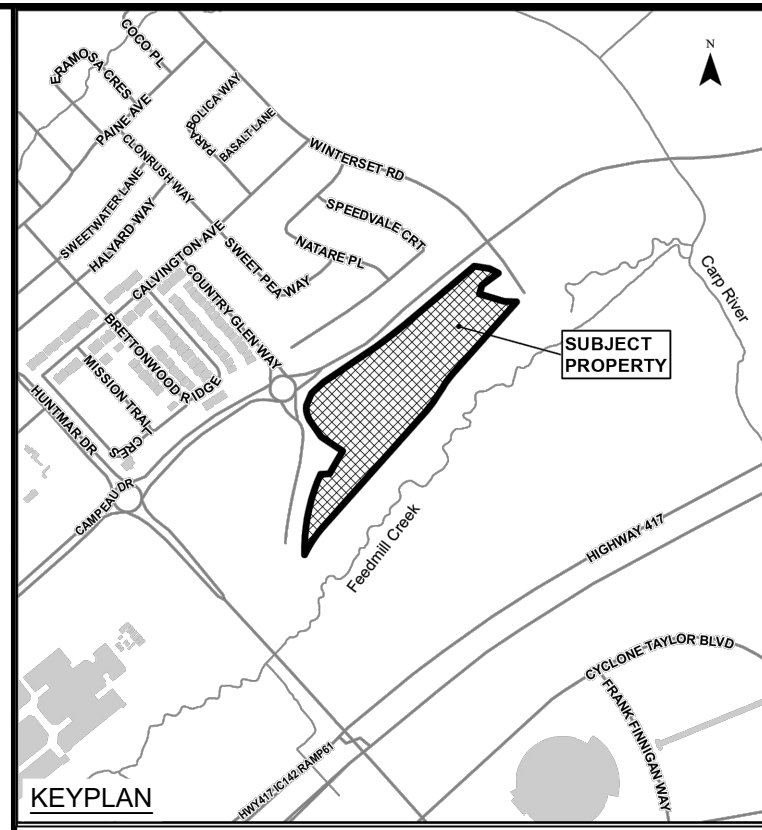
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CITY FILE No. D07-12-22-011



CREEKWAY PRIVATE



DESIGN PROFILE ELEVATIONS	W.M. TOP ELEVATIONS	STORM SEWER INV. ELEVATION	SANITARY SEWER INV. ELEVATION	C.L. ROADWAY STATION
96.000	93.853	93.456	93.456	6+000.00
96.000	93.853	93.456	93.456	6+050.00
96.000	93.853	93.456	93.456	6+100.00
96.000	93.853	93.456	93.456	6+150.00
96.000	93.853	93.456	93.456	6+200.00
96.000	93.853	93.456	93.456	6+251.61



LEGEND

- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN w/ ICD
- 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) CIV SAFETY PLATFORM PER OPS 404.020
- 2 LATERAL - SERVICE CONNECTION (150mm SAN, 19mm Water)
- 3 LATERAL - SERVICE CONNECTION (100mm ST, 15 SAN, 17mm Water)
- CONC. SIDEWALK
- ASPHALT SIDEWALK
- DENOTES FIRE WALL IN UNIT
- 1:100 YR 3 HOUR CHICAGO STORM HGL
- WET WEATHER FLOW (STEADY STATE ANALYSIS)
- SANITARY HGL
- NORMAL WATER LEVEL
- INSULATION

No.	ISSUE / REVISION	DD/MM/YY
10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23

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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: **minto Communities**

CONSULTANT: **JLR J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS**

CONSULTANT: **K.R. FERREY MORENO 100122432 2024-02-22 PROVINCE OF ONTARIO**

PROJECT NORTH

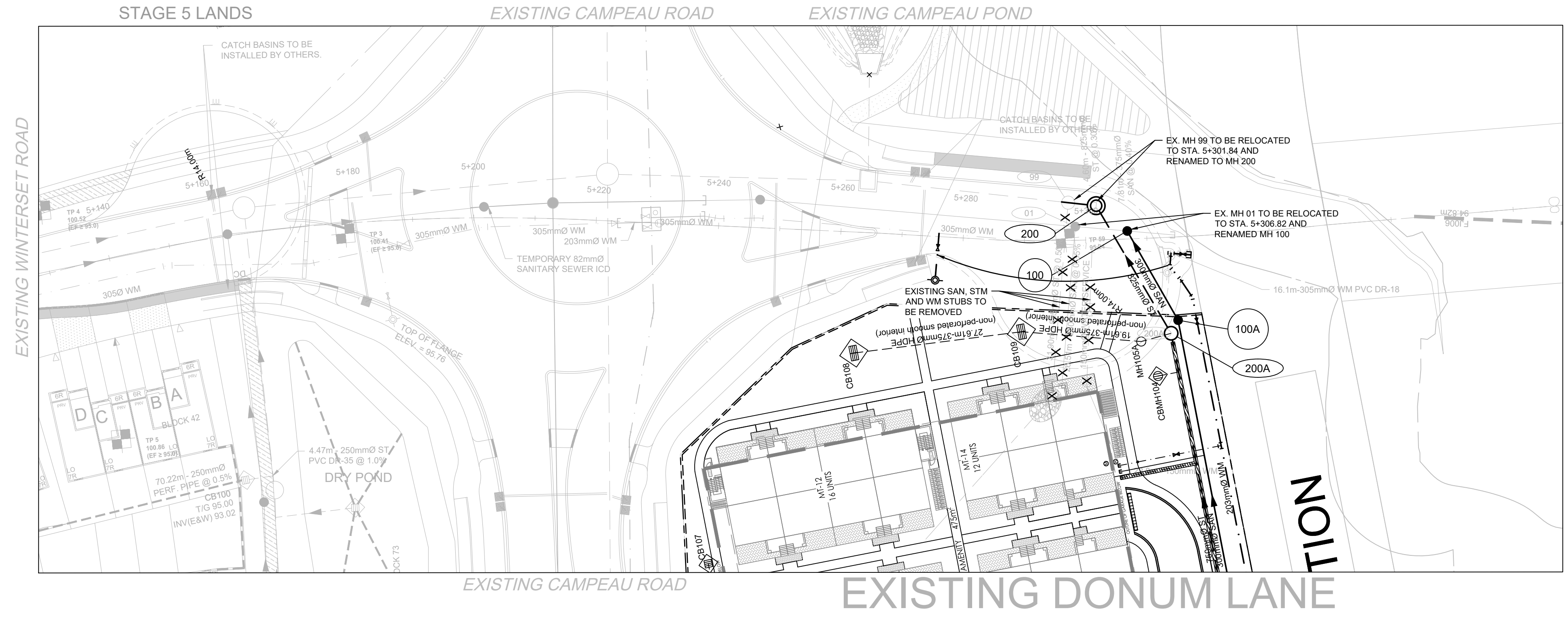
PROJECT: **ARCADIA STAGE 6**

450 HUNTMAR DRIVE

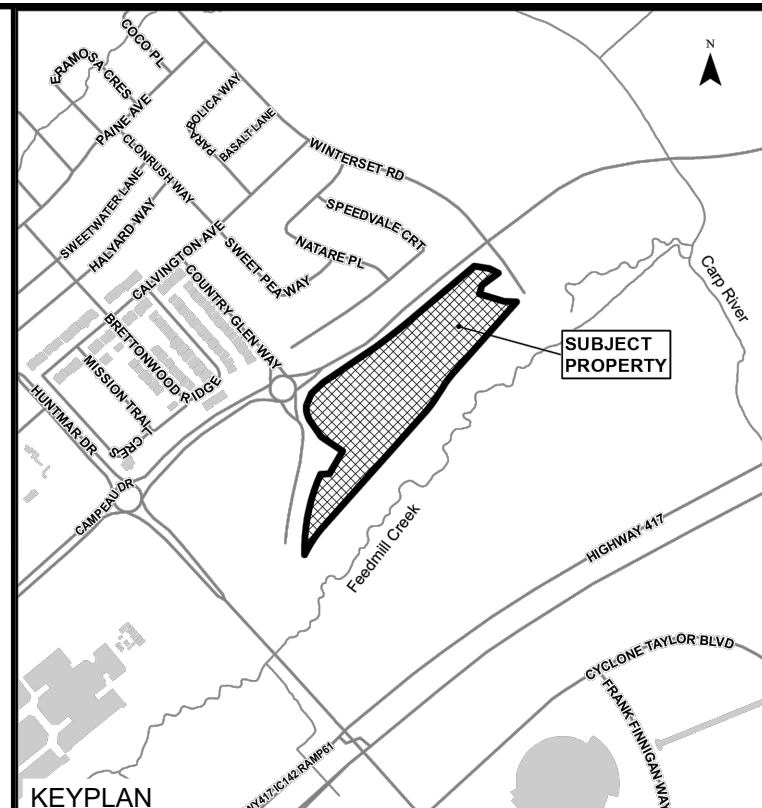
DRAWING: **PLAN & PROFILE CREEKWAY PRIVATE 6+050 TO 6+231.90**

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

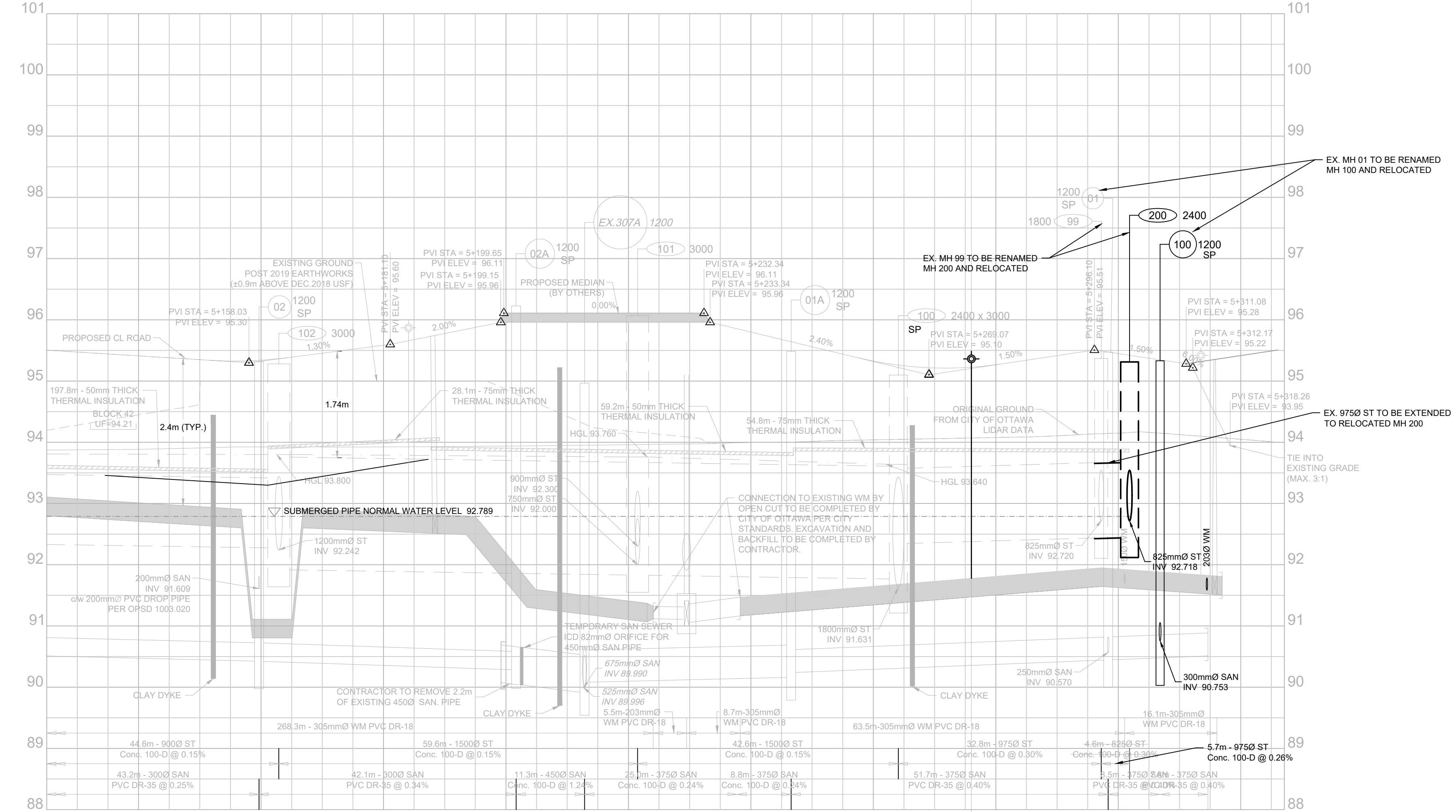
File Location: P:\2000\026299-006 - Arcadia Stage 05-Production1-Civil\26299-05 C P&P 02-09 RIVERCHASE.AWG



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



- LEGEND:**
- EXISTING CATCH BASIN
 - PROPOSED CATCH BASIN (w/ ICD OR CURB INLET CATCH BASIN (CAPPAMORE DRIVE))
 - PROPOSED CATCH BASIN & LEAD
 - PROPOSED ELBOW CATCHBASIN
 - PROPOSED TEE CATCHBASIN
 - PROPOSED 3-WAY CATCHBASIN
 - 250mm PERFORATED PIPE AS PER CITY OF OTTAWA STANDARD DRAWING E29
 - 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
 - MAINTENANCE HOLE NUMBER AND SIZE (mm)
 - CONCRETE PLATFORM PER OPSD 404 E23
 - PROPOSED NOISE BARRIER
 - SINGLE SERVICE CONNECTION (STORM, SANITARY AND WATER)
 - DOUBLE SERVICE CONNECTION (STORM, SANITARY AND WATER)
 - CONC. SIDEWALK
 - ASPHALT SIDEWALK
 - FW DENOTES FIRE WALL IN UNIT



No.	ISSUE / REVISION	DDMMYY
10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
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 SCALE: 1:500H, 1:50V

CLIENT:

 minto
 Communities

CONSULTANT:

 J.L. Richards
 ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP:

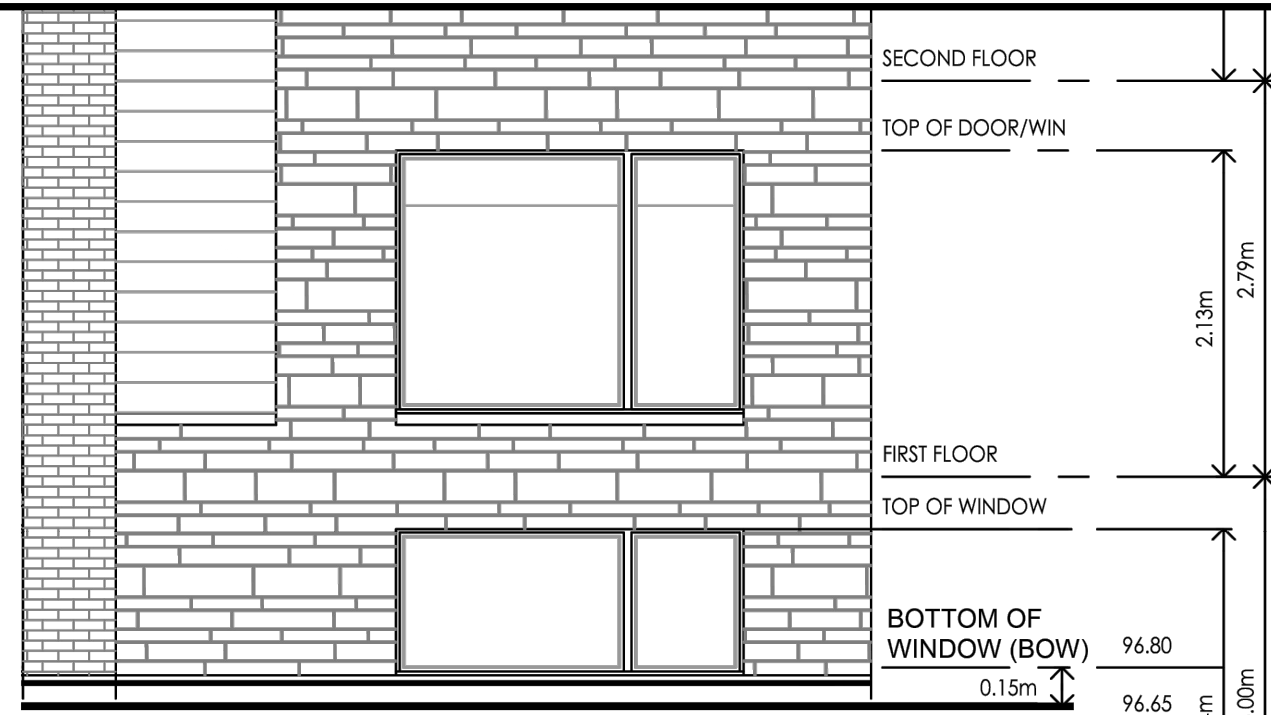
 PROJECT NORTH

PROJECT:
 ARCADIA STAGE 6
 450 HUNTMAR DRIVE

DRAWING:
 PLAN & PROFILE
 EXISTING DONUM LANE
 STA 5+125 TO 5+327.12

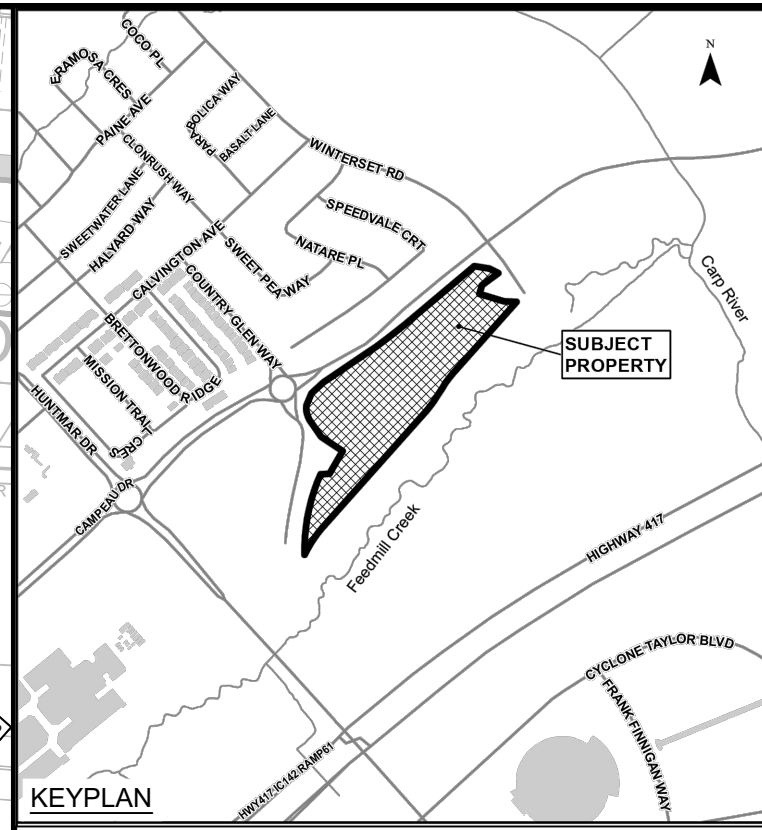
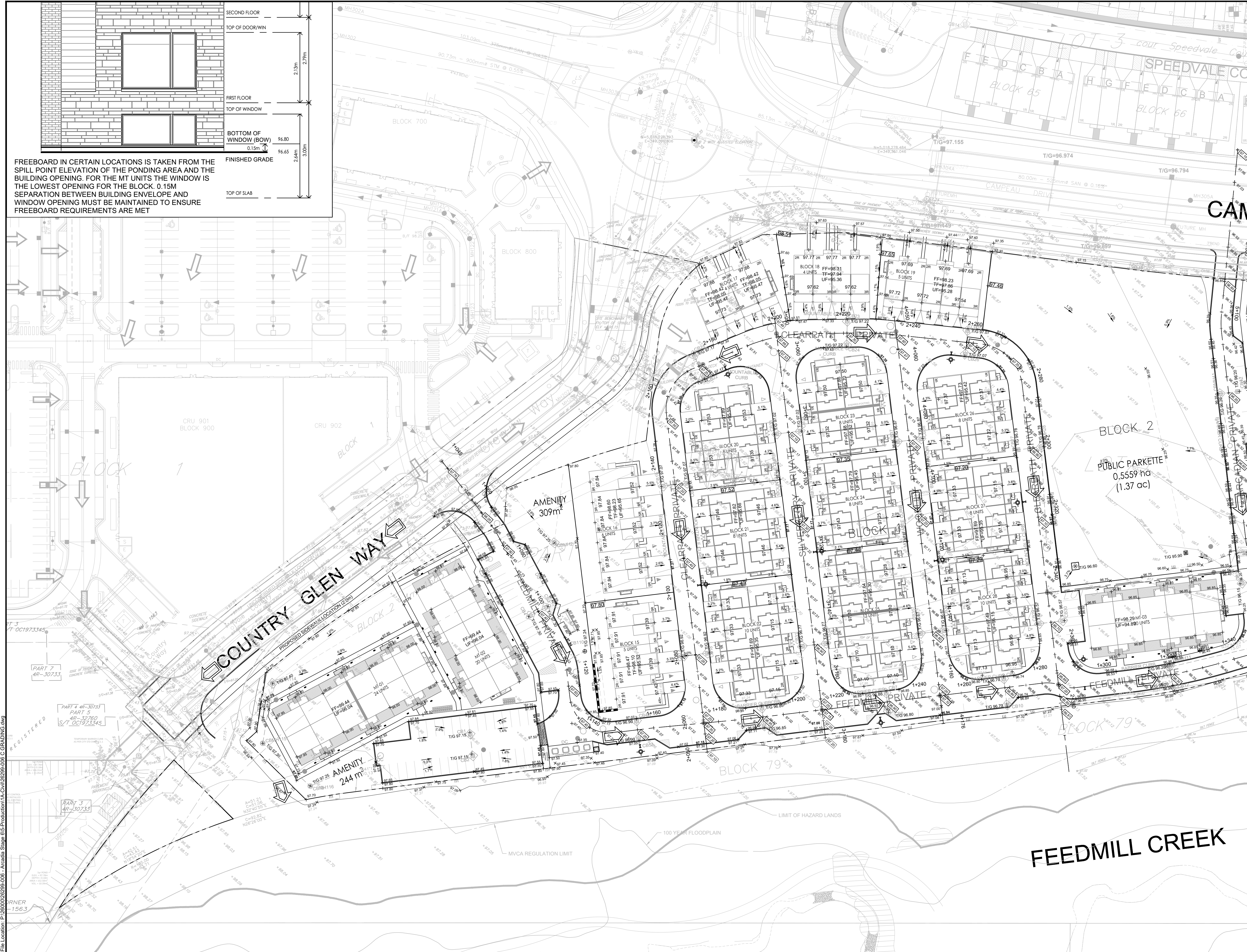
DESIGN: MM
DRAWN: KC
CHECKED: LD
JLR #: 26299-006

DRAWING #:
08



FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET

2.77m
2.64m
0.15m
2.44m



LEGEND

- × 96.00 PROPOSED ELEVATION
- × 96.00 EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 29, 2022)
- × 96.00 BOW INDICATES BOTTOM OF WINDOW ELEVATION
- × 96.00 PROPOSED CL ROAD HIGH POINT / LOW POINT
- 1:2% PROPOSED TERRACING (MAX 3:1)
- 1:2% SURFACE SLOPE
- FLOW DIRECTION
- MAJOR OVERLAND FLOW DIRECTION
- FF = 97.84 FINISHED FLOOR ELEVATION
- BOS = 94.24 BOTTOM OF GARAGE FLOOR SLAB
- GCS = 94.34 GARAGE SLAB CEILING ELEVATION
- TF = 94.24 TOP OF FOUNDATION ELEVATION
- UF = 91.09 UNDERSIDE OF FOUNDATION ELEVATION TO DENOTE THE UNIT IS WITHOUT A BASEMENT
- ASPHALT ASPHALT WALKWAY
- CONCRETE SURFACE (EXISTING)
- CONCRETE RISERS
- DC CURB AND DEPRESSED CURB
- BIKE RACK
- BOREHOLE NUMBER
- TEST PIT

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
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No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:500

CLIENT:

CONSULTANT:

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

DRAWING:

GRADING PLAN

DESIGN: MM

DRAWN: KC

CHECKED: LD

JLR #: 26299-006

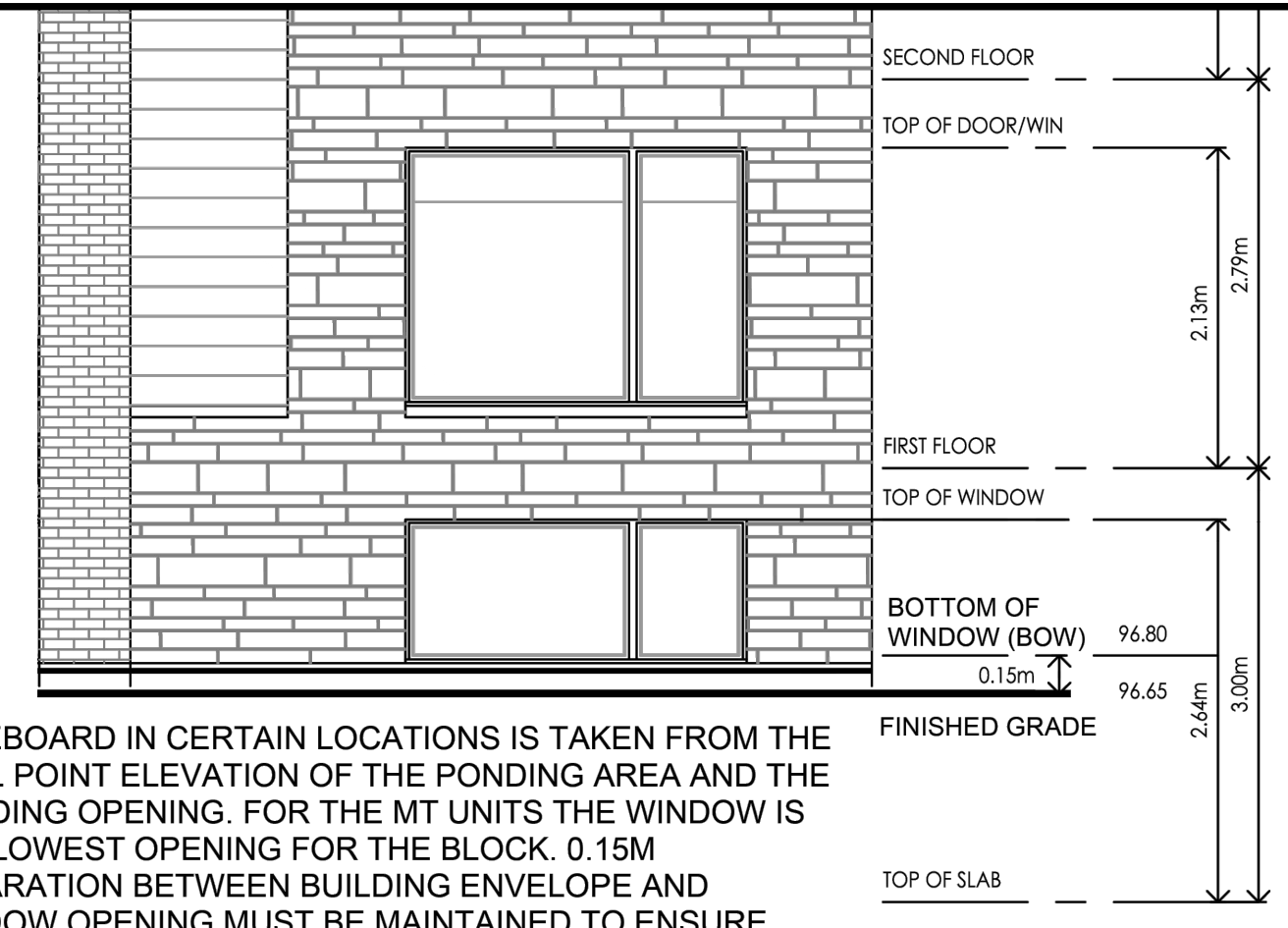
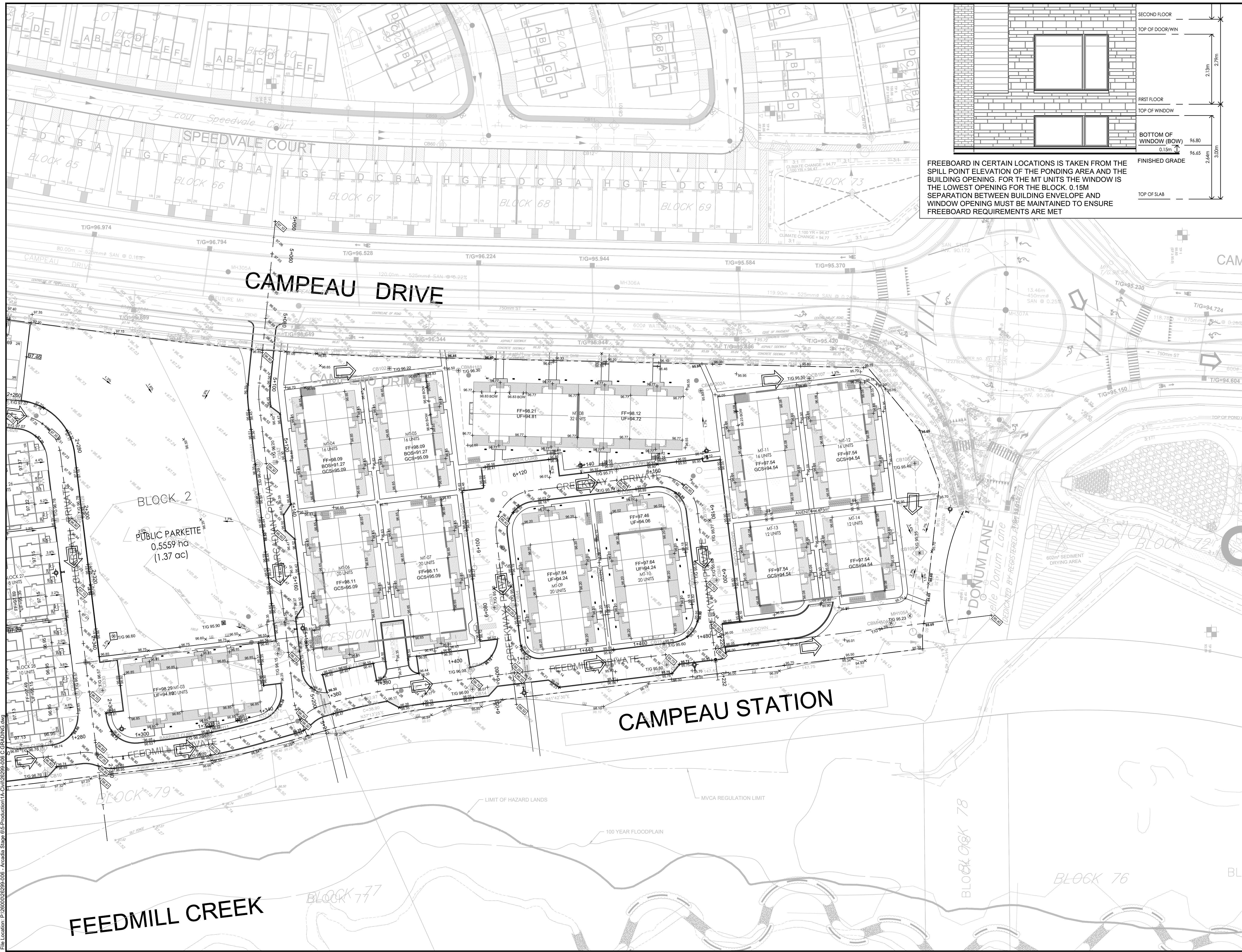
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G1

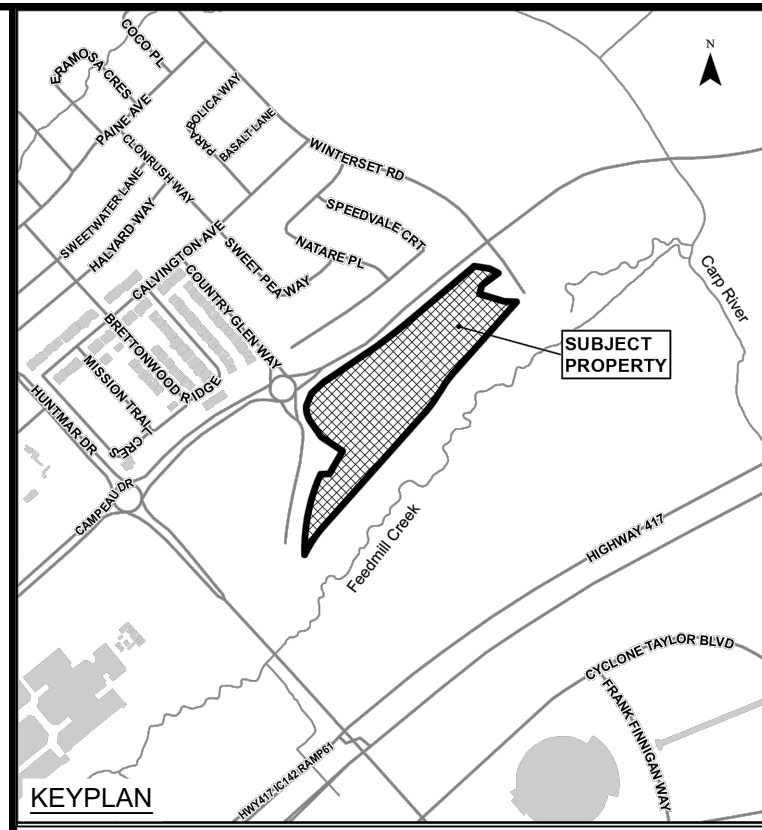
CITY PLAN No. 18829

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PLOT DATE: February 22, 2024 12:20 PM
CITY FILE No. D07-12-22-0111



FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET



LEGEND

- × 96.00 PROPOSED ELEVATION EXISTING GROUND (STANTEC SURVEY RECEIVED MARCH 29, 2022)
- × 96.00 BOW INDICATES BOTTOM OF WINDOW ELEVATION
- × 96.00 PROPOSED CL ROAD HIGH POINT / LOW POINT
- 1:2.5 SURFACE SLOPE
- FLOW DIRECTION
- MAJOR OVERLAND FLOW DIRECTION
- FF = 97.84 FINISHED FLOOR ELEVATION
- BOS = 94.24 BOTTOM OF GARAGE FLOOR SLAB
- GCS = 94.34 GARAGE SLAB CEILING ELEVATION
- TF = 94.24 TOP OF FOUNDATION ELEVATION
- UF = 91.09 UNDERSIDE OF FOUNDATION ELEVATION TO DENOTE THE UNIT IS WITHOUT A BASEMENT
- *UF = 91.09
- CONCRETE SURFACE (EXISTING)
- CONCRETE RISERS
- CURB AND DEPRESSED CURB
- BICYCLE RACK
- BOH# BOREHOLE NUMBER
- TPH# TEST PIT

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
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07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
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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

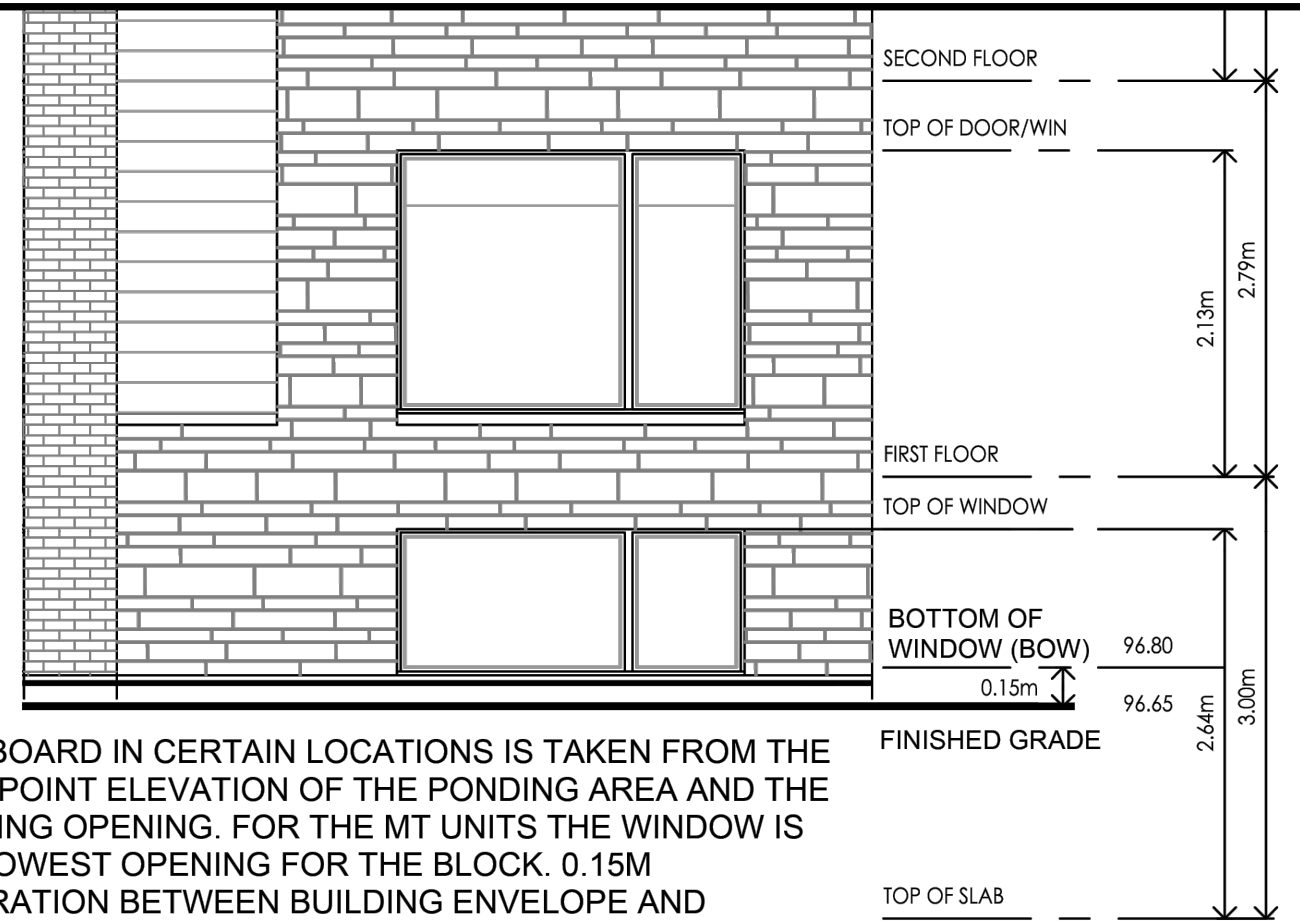
450 HUNTMAR DRIVE

DRAWING: GRADING PLAN

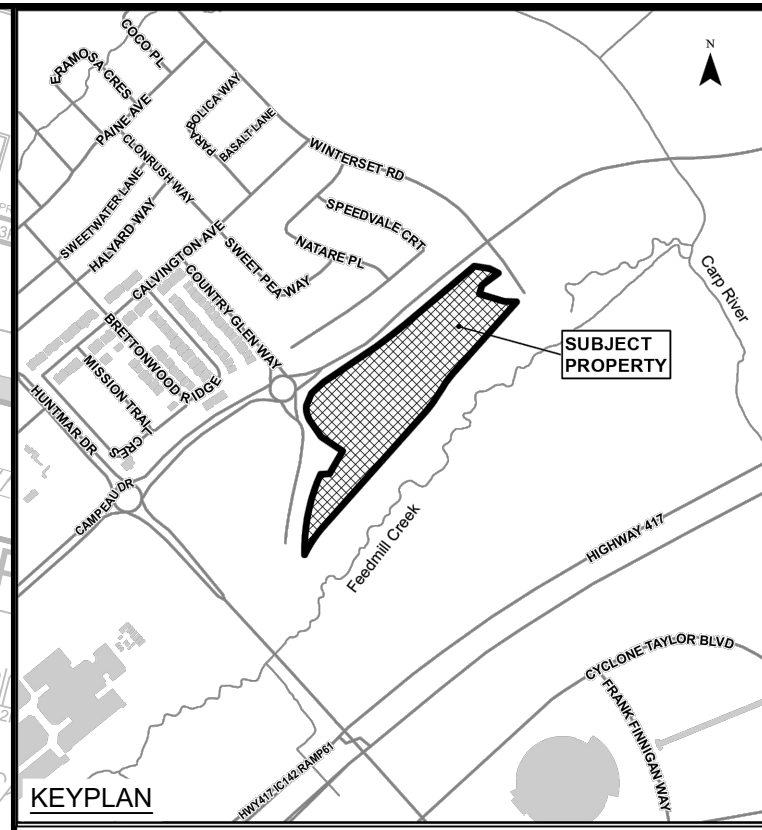
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DRAWN: KC	G2
CHECKED: LD	
JLR #: 26299-006	CITY PLAN No. 18829

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PLOT DATE: February 22, 2024 12:33:05 PM
CITY FILE No. D07-12-22-0111



FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET



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

10	RE-ISSUED TO CITY	22/02/24
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No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:500

CLIENT:

minto Communities

CONSULTANT:

J.L. Richards ENGINEERS-ARCHITECTS-PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

K.R. FERREY MORENO
100122432
2024-02-22
PROVINCE OF ONTARIO

PROJECT:

ARCADIA STAGE 6

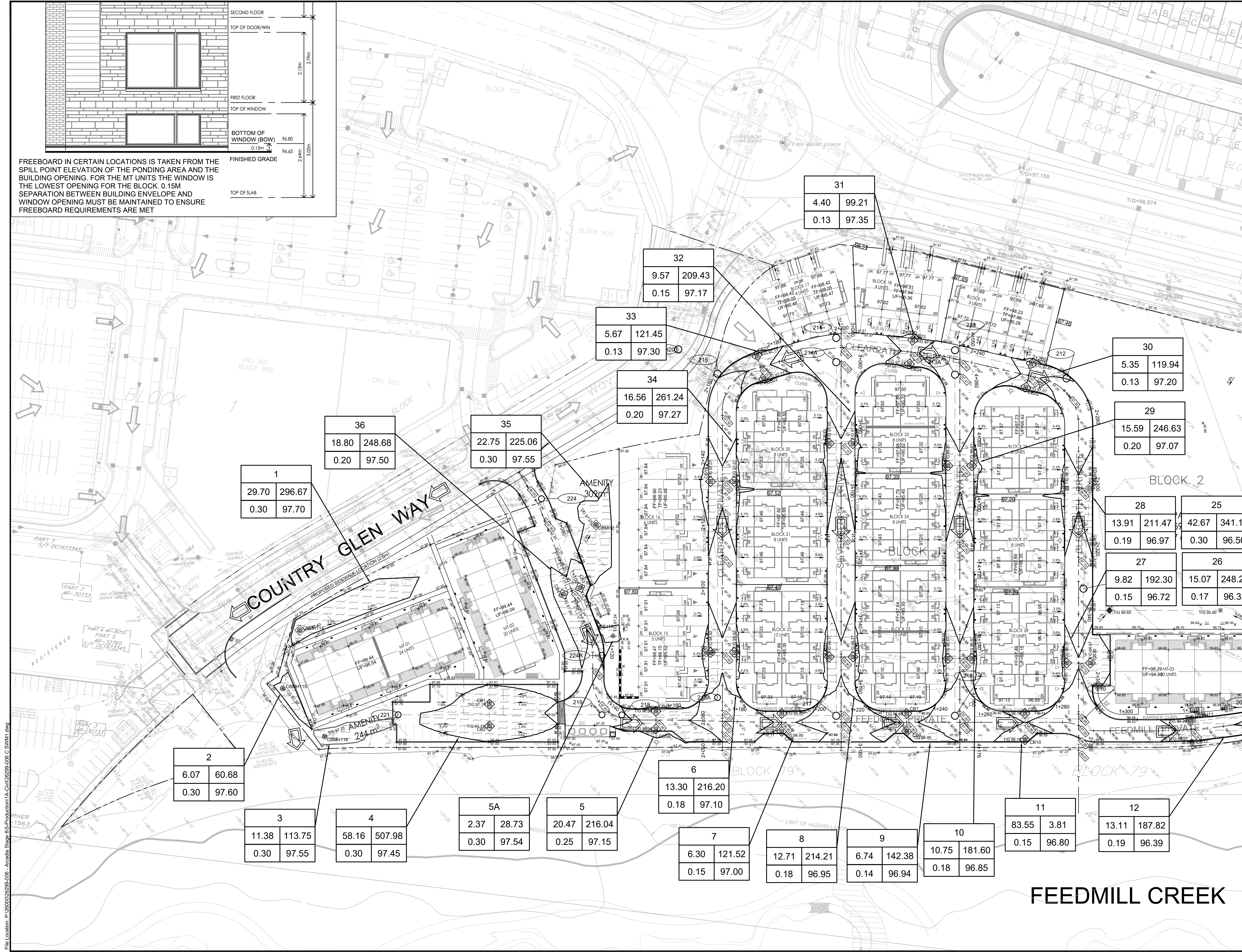
450 HUNTMAR DRIVE

DRAWING:

PONDING PLAN

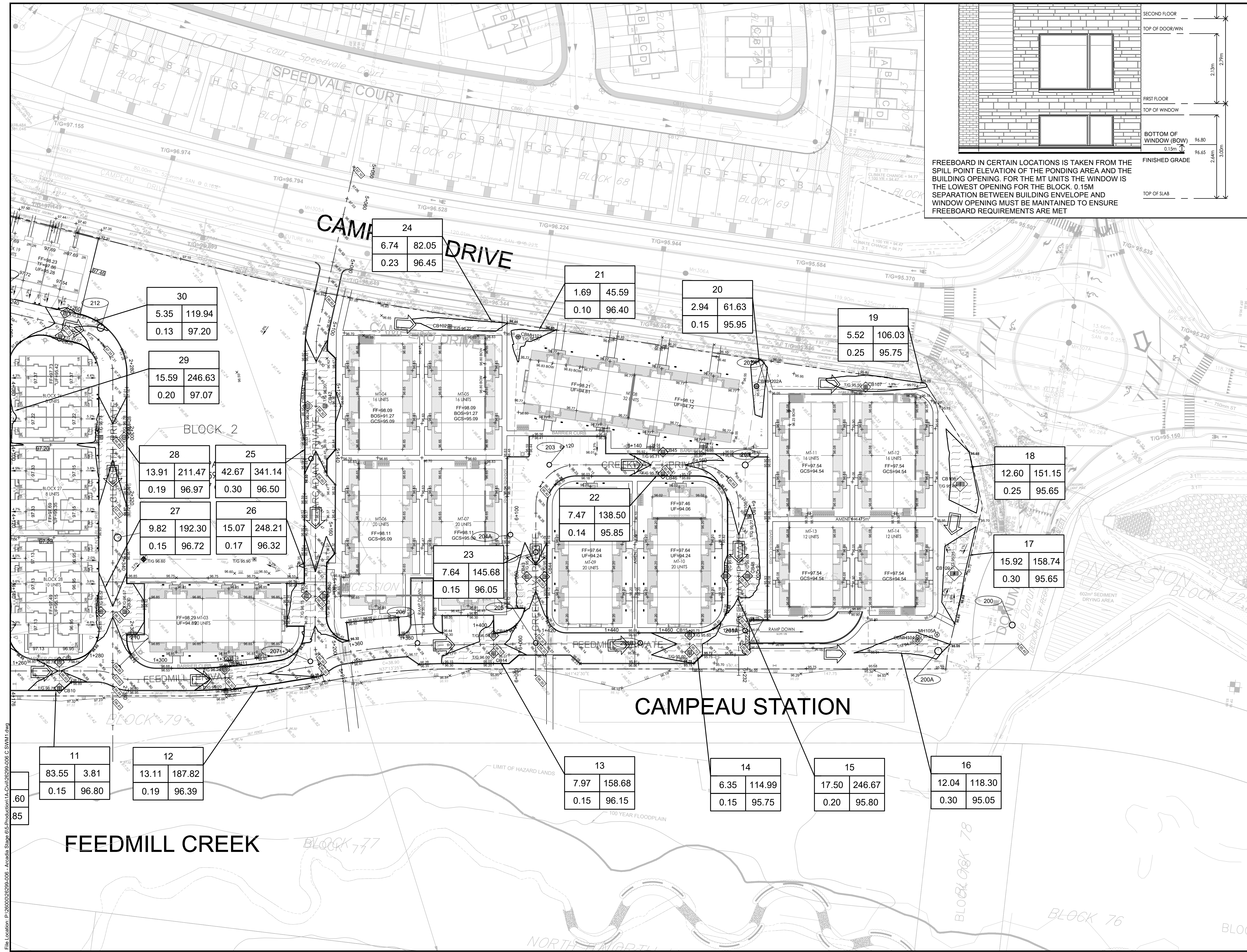
DESIGN: MM
DRAWN: KC
CHECKED: LD
JLR #: 26299-006

DRAWING #:
SWM1

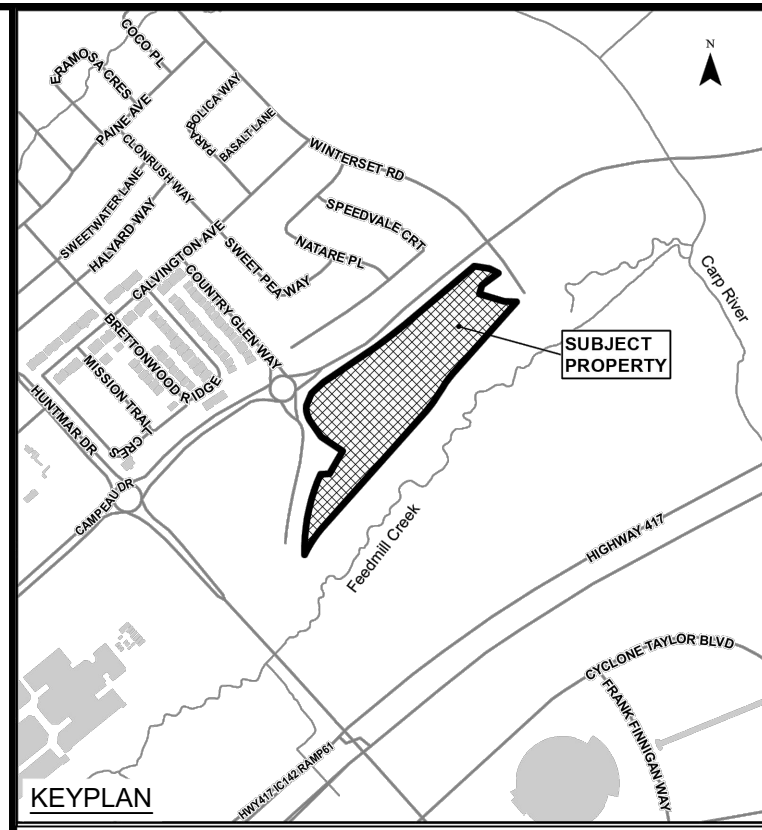
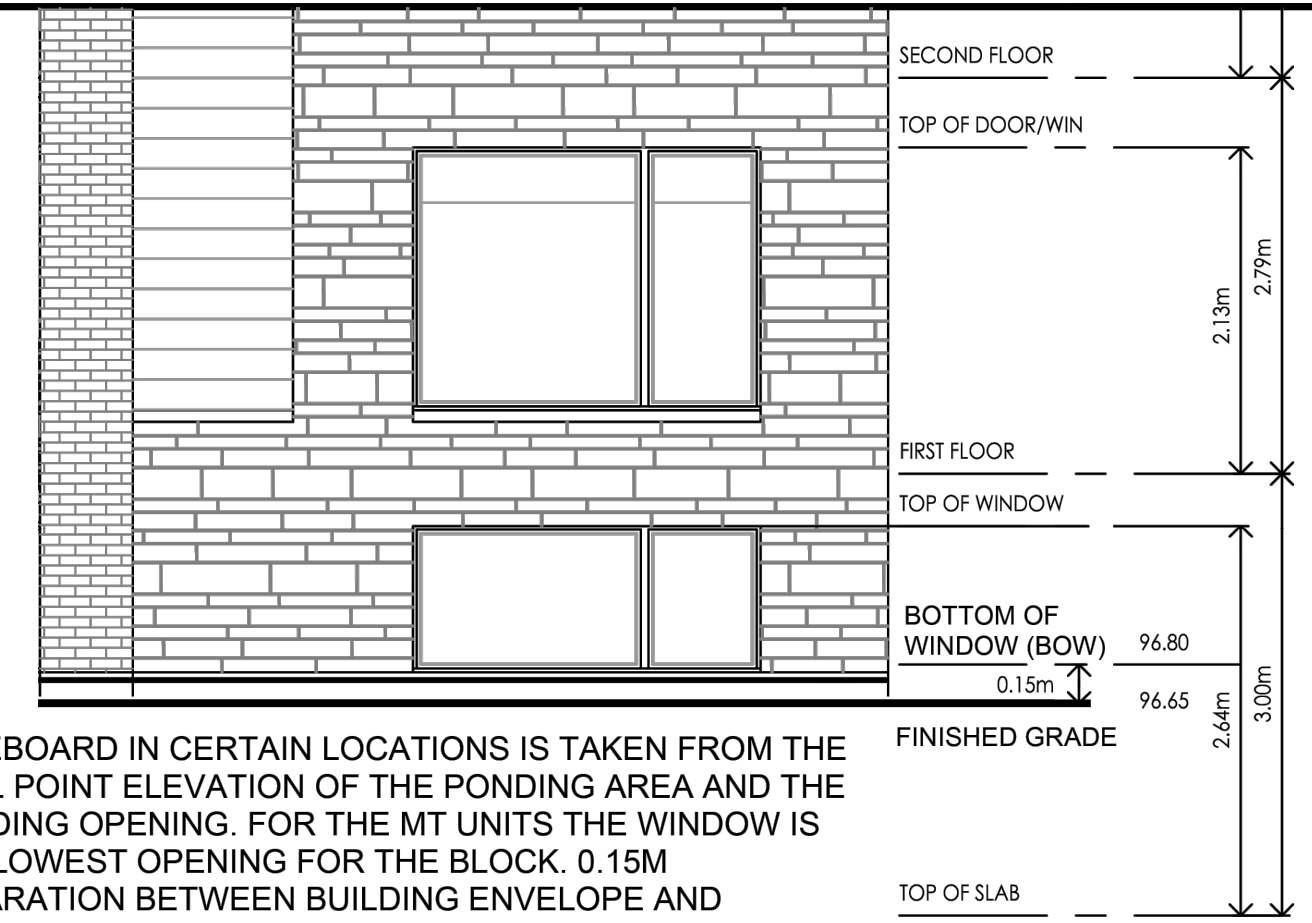


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PLOT DATE: February 22, 2024 12:23 PM
CITY FILE No. D07-12-22-0111
CITY PLAN No. 18829



FREEBOARD IN CERTAIN LOCATIONS IS TAKEN FROM THE SPILL POINT ELEVATION OF THE PONDING AREA AND THE BUILDING OPENING. FOR THE MT UNITS THE WINDOW IS THE LOWEST OPENING FOR THE BLOCK. 0.15M SEPARATION BETWEEN BUILDING ENVELOPE AND WINDOW OPENING MUST BE MAINTAINED TO ENSURE FREEBOARD REQUIREMENTS ARE MET



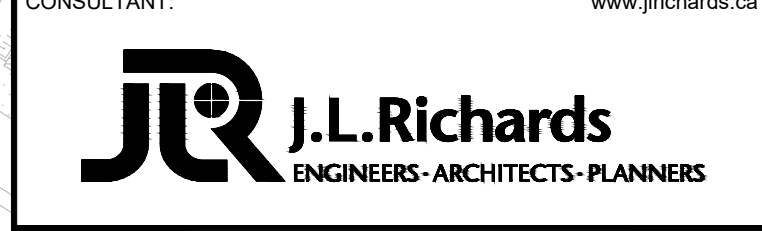
LEGEND:

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

26	MAX. PONDING VOLUME (m³)
4.90	AREA ID
0.13	MAX. PONDING AREA (m²)
0.13	MAX. WATER LEVEL (STATIC)
97.20	PONDING DEPTH (STATIC)

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
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No.	ISSUE / REVISION	DDMMYY

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 SCALE: 1:500



CONSULTANT:



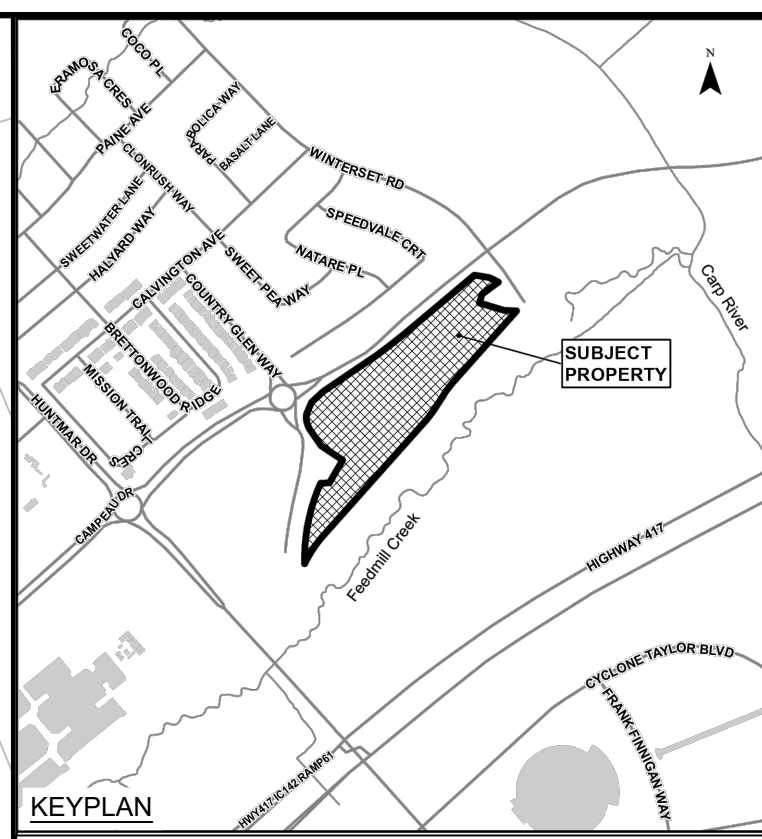
PROJECT: ARCADIA STAGE 6
 450 HUNTMAR DRIVE

DRAWING: PONDING PLAN

DESIGN: MM
 DRAWN: KC
 CHECKED: LD
 JLR #: 26299-006
 DRAWING #: SWM2
 CITY PLAN No. 18829

File Location: P:\2000\026299-006 - Arcadia Stage 6\5-Production\TA-Civil\26299-006 C SWM1.dwg

PLOT DATE: February 22, 2024 12:50:00 PM
 CITY FILE No. D07-12-22-011



LEGEND:

- STM DA BOUNDARY
- PROPOSED STORM SEWER & MANHOLE

POPULATION
 SINGLE FAMILY: 3.4 PER UNIT
 TOWNHOUSE (ROW): 2.7 PER UNIT

AREA IN HECTARES
 RUNOFF COEFFICIENT
 PIPE REACH UPSTREAM MAINTENANCE HOLE
 TO DOWNSTREAM MAINTENANCE HOLE
 *AS PER 2018 BSUEA MSS

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
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No.	ISSUE / REVISION	DDMMYY

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SCALE: 1:1000

CLIENT:

CONSULTANT:

ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

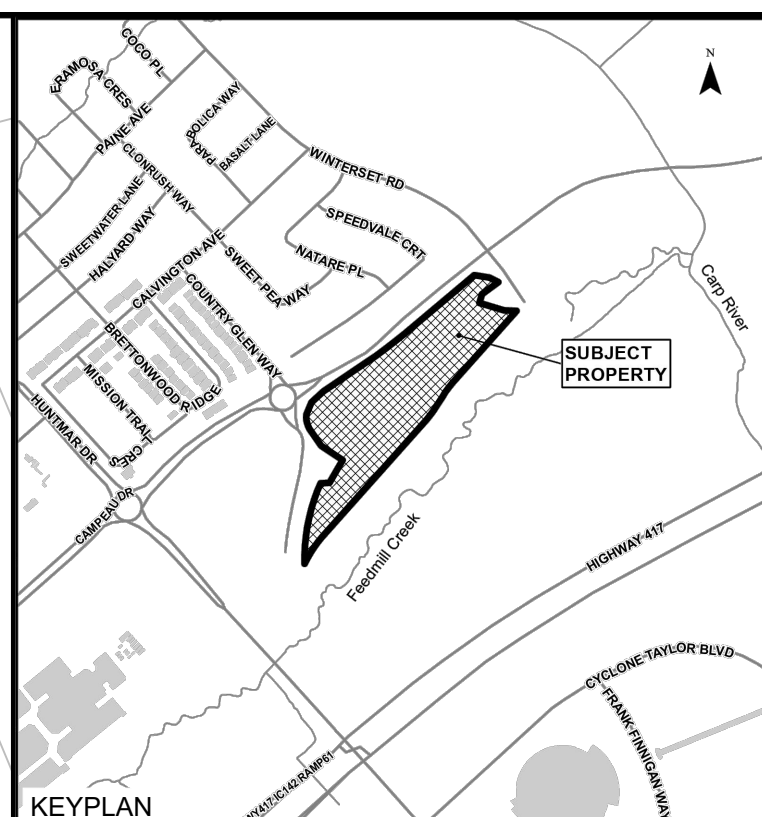
DRAWING:

STORM DRAINAGE PLAN

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

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PLOT DATE: February 22, 2024 12:26:12 PM
CITY FILE No. D07-12-22-0111



LEGEND:

- SAN DA BOUNDARY
- A AREA IN HECTARES
- MH/PH PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
- C POPULATION
- P NUMBER OF UNITS

POPULATION
 SINGLE FAMILY: 3.4 PERS/UNIT
 TOWHOUSE (ROW): 2.7 PERS/UNIT

⊕ PROPOSED SANITARY SEWER & MANHOLE

10	RE-ISSUED TO CITY	22/02/24
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No.	ISSUE / REVISION	DD/MM/YY

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SCALE: 1:1000

CLIENT:
 minto Communities

CONSULTANT:
 J.L. Richards ENGINEERS - ARCHITECTS - PLANNERS

CONSULTANT:

PROFESSIONAL STAMP
 PROJECT NORTH

PROJECT:
 ARCADIA STAGE 6
 450 HUNTMAR DRIVE

DRAWING:
 SANITARY DRAINAGE PLAN

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

DRAWING #:
DSAN

CITY PLAN No. 18829

File Location: P:\2000\026299-006 - Arcadia Stage 6\5-Production\TA-Civil\26299-006 C.DSAN.dwg

PLOT DATE: February 22, 2024 12:27:17 PM
 CITY FILE No. D07-12-22-011

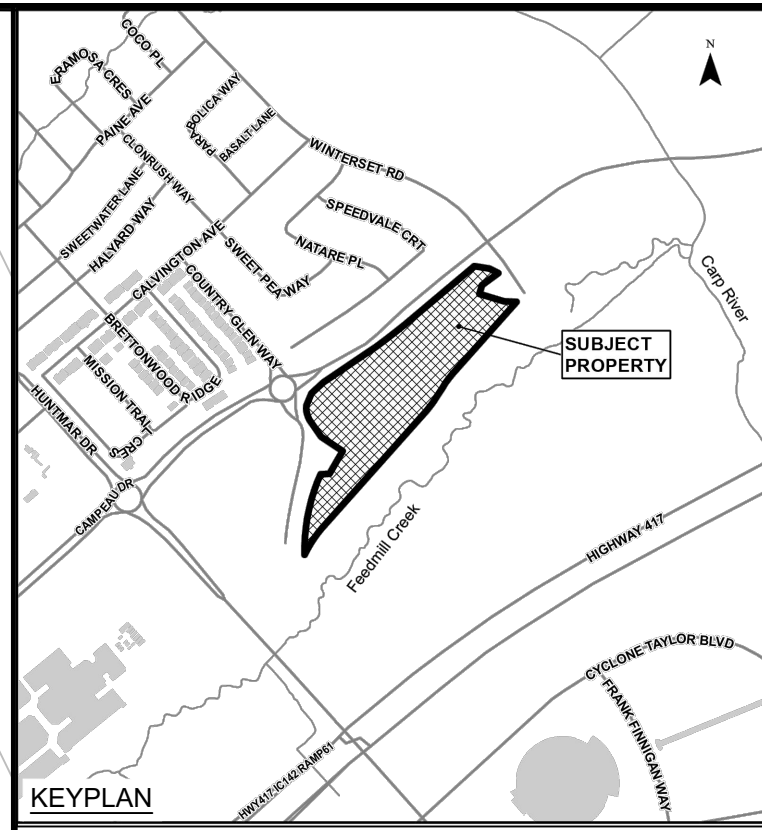
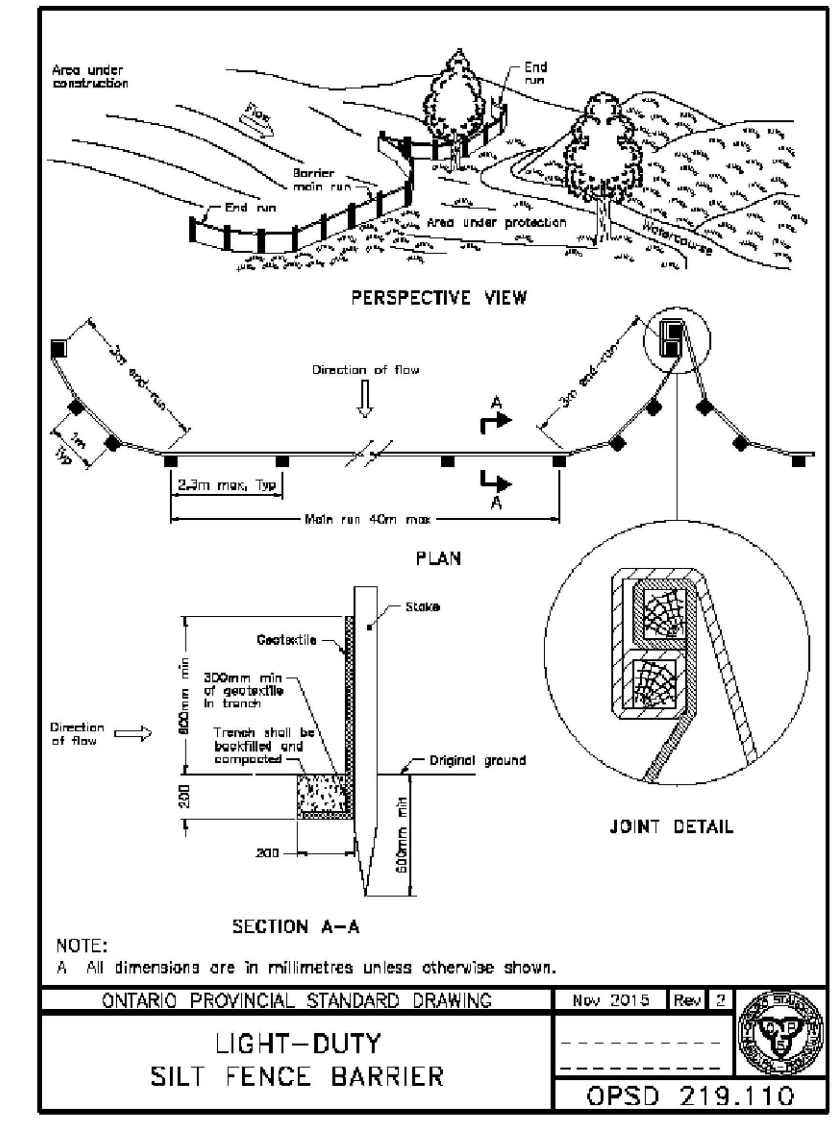
EROSION AND SEDIMENTATION CONTROL SYSTEM (ESCS) REQUIREMENTS

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. EQUIPMENT 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

10	RE-ISSUED TO CITY	22/02/24
09	RE-ISSUED FOR CONSTRUCTION	18/10/23
08	ISSUED FOR CONSTRUCTION	22/09/23
07	ISSUED TO CITY FOR FINAL SITE PLAN APPROVAL	08/09/23
06	ISSUED TO CITY FOR REVIEW FOURTH ENGINEERING SUBMISSION	30/06/23
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

CLIENT:

CONSULTANT:

J.L. Richards
ENGINEERS - ARCHITECTS - PLANNERS

PROFESSIONAL STAMP:

PROJECT NORTH

PROJECT:

ARCADIA STAGE 6

450 HUNTMAR DRIVE

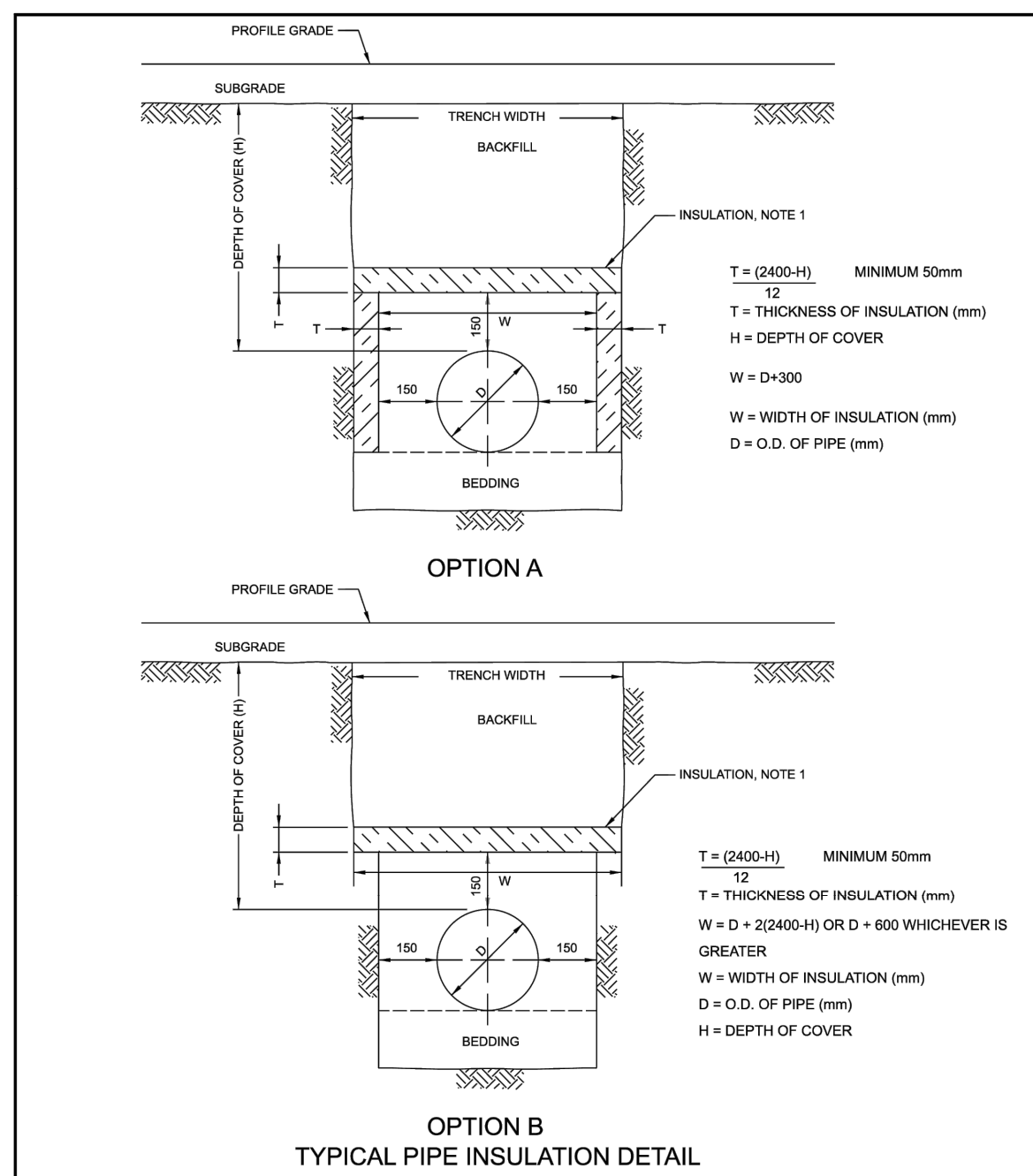
DRAWING:

EROSION AND SEDIMENT CONTROL PLAN

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

File Location: P:\2024\02\26299-006 - Arcadia Stage 6\5-Production\A-Civil\26299-006 C ESC.dwg

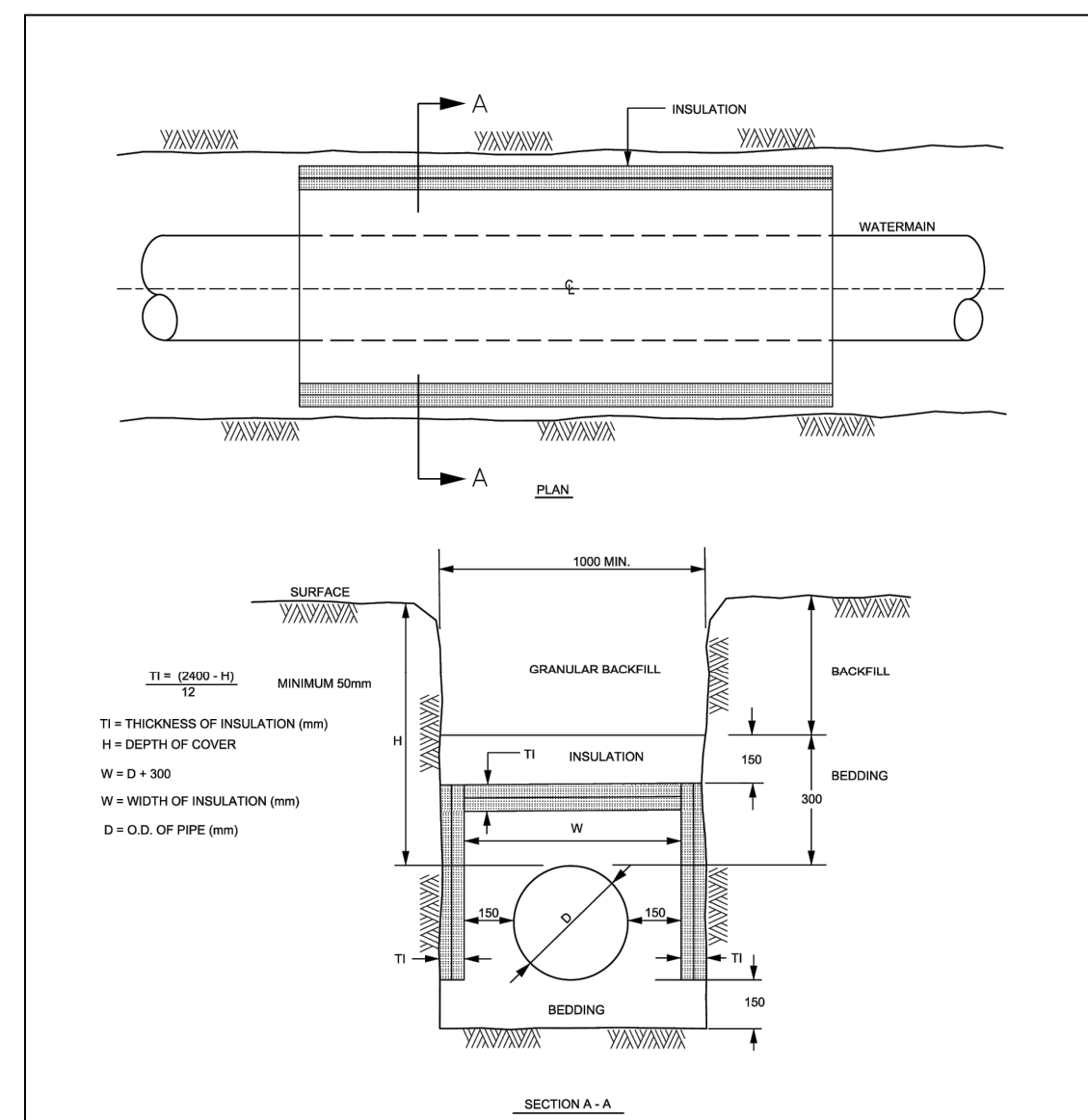
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CITY FILE No. D07-12-22-011



- NOTES:
1. THE INSULATION MATERIAL SHALL BE EXTRUDED POLYSTYRENE ACCORDING TO MW-19-15 WITH A MINIMUM COMPRESSIVE STRENGTH OF 275 KPA.
 2. MINIMUM INSULATION THICKNESS SHALL BE 50MM.
 3. JOINTS SHALL BE STAGGERED FOR MULTIPLE INSULATION SHEETS.
 4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

Ottawa INSULATION FOR SHALLOW SEWERS

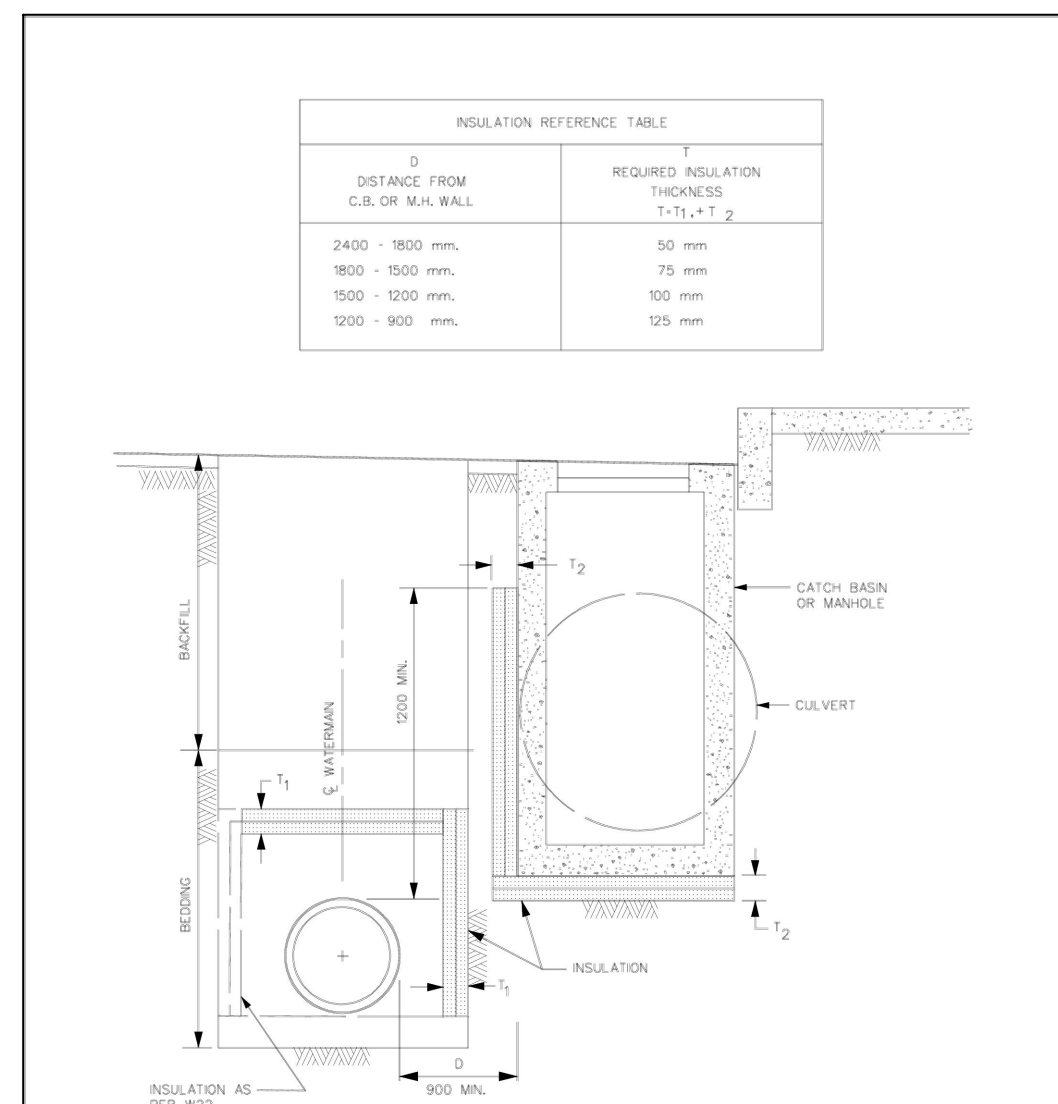
DATE: MARCH 2023
REV: --
DWG. No.: S35



- NOTES:
1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
 2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCHBASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W23.
 3. DEPTH OF COVER LESS THAN 1000mm REQUIRES SPECIAL DESIGN.
 4. STAGGER JOINTS OF MULTIPLE SHEETS.
 5. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

Ottawa THERMAL INSULATION FOR WATERMANS IN SHALLOW TRENCHES

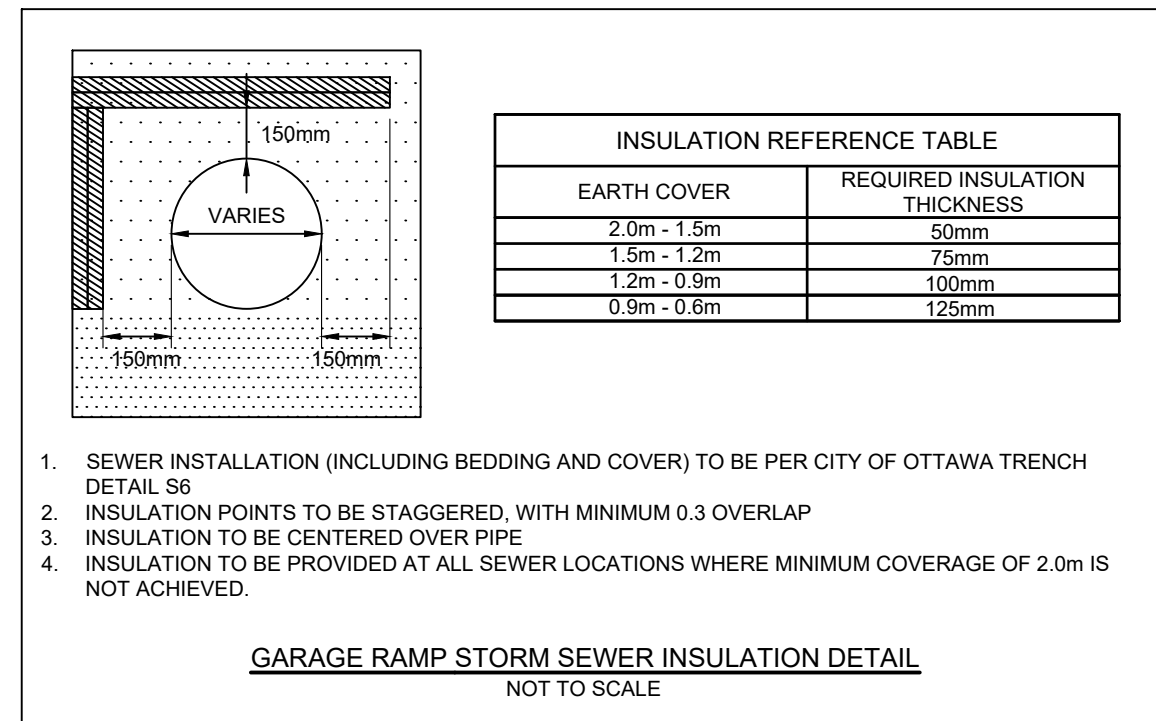
DATE: MAY 2001
REV: MARCH 2013
DWG. No.: W22



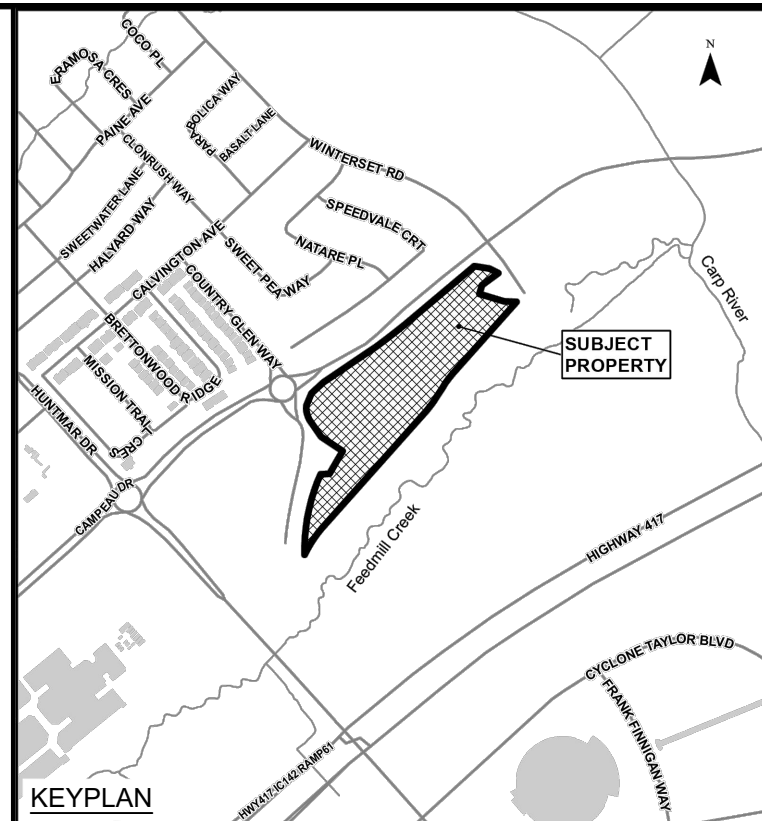
- NOTES:
1. INSULATION SHALL EXTEND 1000 mm EACH WAY FROM THE ENDS OF THE STRUCTURE, PARALLEL TO THE WATERMAIN.
 2. STAGGER JOINTS OF MULTIPLE SHEETS.
 3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
 4. INSULATION CAN BE AT EITHER LOCATION OR BOTH.

Ottawa THERMAL INSULATION OF WATERMANS AT OPEN STRUCTURES

DATE: MAY 2001
REV: FEB 2004
DWG. No.: W23



1. SEWER INSTALLATION (INCLUDING BEDDING AND COVER) TO BE PER CITY OF OTTAWA TRENCH DETAIL S6.
2. INSULATION POINTS TO BE STAGGERED, WITH MINIMUM 0.3 OVERLAP.
3. INSULATION TO BE CENTERED OVER PIPE.
4. INSULATION TO BE PROVIDED AT ALL SEWER LOCATIONS WHERE MINIMUM COVERAGE OF 2.0m IS NOT ACHIEVED.



No.	ISSUE / REVISION	DDMMYY
10	RE-ISSUED TO CITY RE-ISSUED FOR CONSTRUCTION	22/02/24
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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

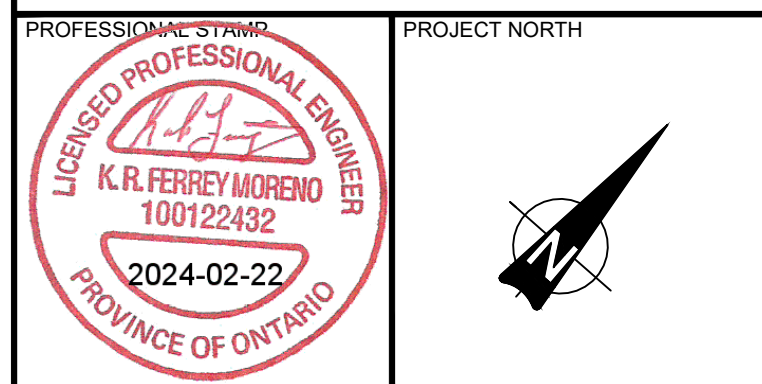
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CLIENT: **minto Communities**



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



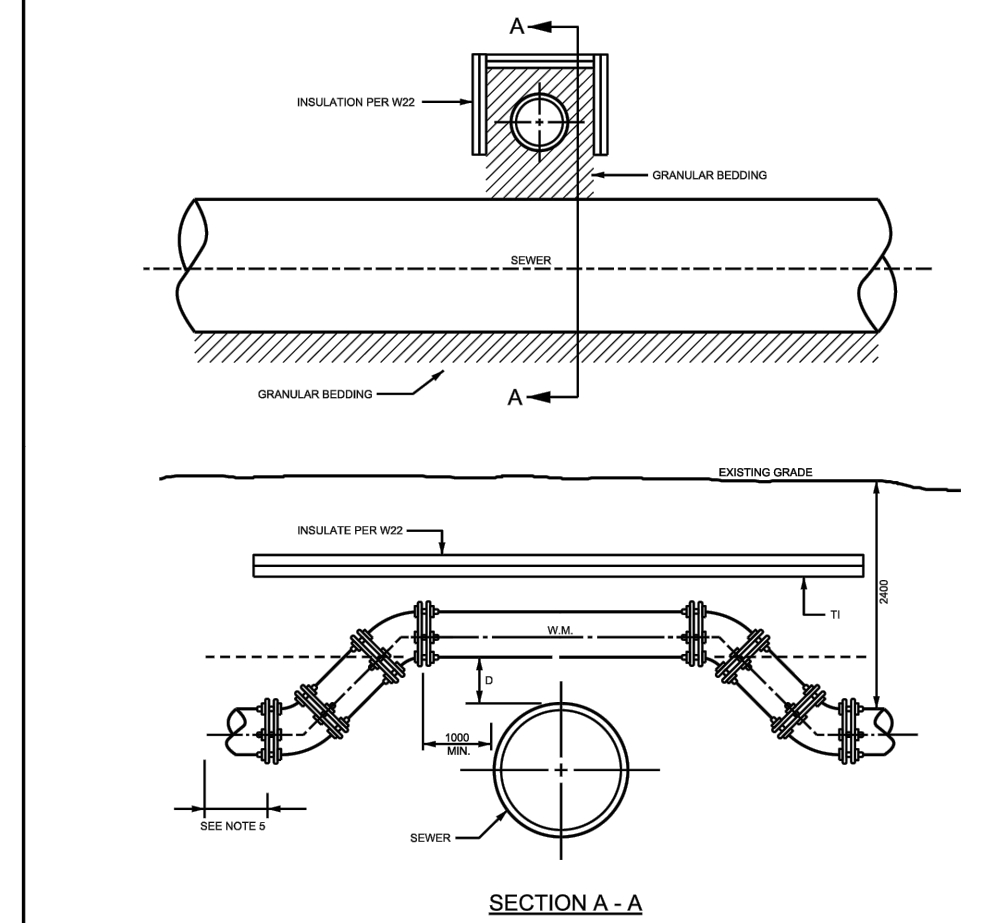
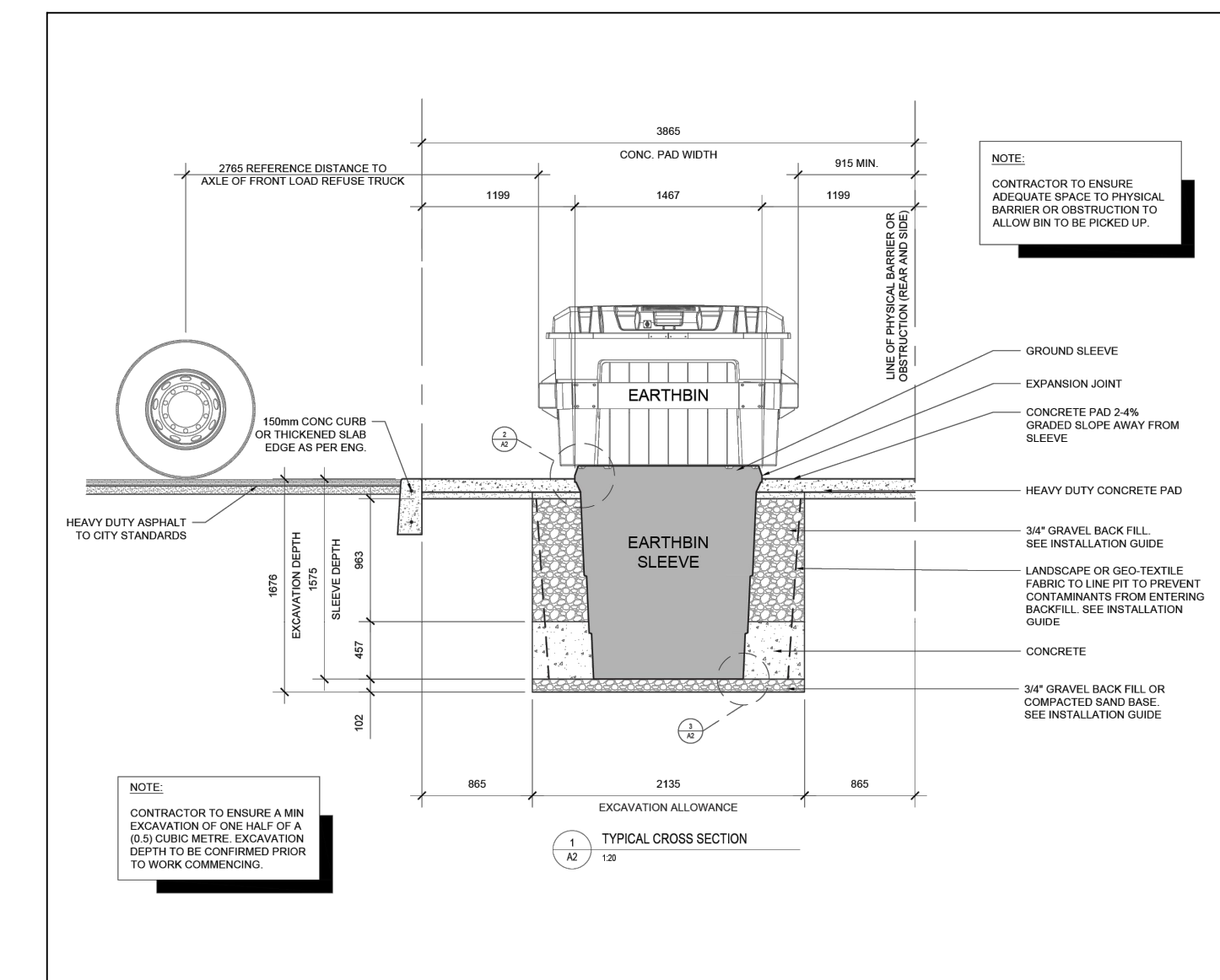
PROJECT NORTH

PROJECT: **ARCADIA STAGE 6**

450 HUNTMAR DRIVE

DRAWING: **DETAILS PLAN**

DESIGN: MM	DRAWING #:
DRAWN: KC	D2
CHECKED: LD	
JLR #: 26299-006	



- NOTES:
1. BARREL TO BARREL SEPARATION (S) SHALL BE 200mm MINIMUM.
 2. TRAP BLOCK FOR MAIN LARGER THAN 400mm NOMINAL SHALL BE PER SPECIAL DESIGN.
 3. FOR 200mm NOMINAL AND ABOVE NOMINAL, SLEAVE SIZES SHALL BE MAX. 20".
 4. CONCRETE TRAP BLOCK SHALL BE 20 mm.
 5. REFER TO W23 FOR RESTRAINED JOINT REQUIREMENTS.
 6. REFER TO W23 FOR HORIZONTAL REQUIREMENTS.
 7. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.
 8. DESIGNED TO MEET THE BEST OF THE BEST PERFORMANCE DESIGN OVERSIGHT 2013.
 9. CATHODIC PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH W25, W46, AND W47.
 10. TRACER WIRE REQUIRED FOR PVC, PE8 AND VEPE WATERMAIN PIPE ONLY AS PER W25.

Ottawa WATERMAIN CROSSING OVER SEWER

DATE: MAY 2001
REV: MARCH 2001
DWG. No.: W25.2