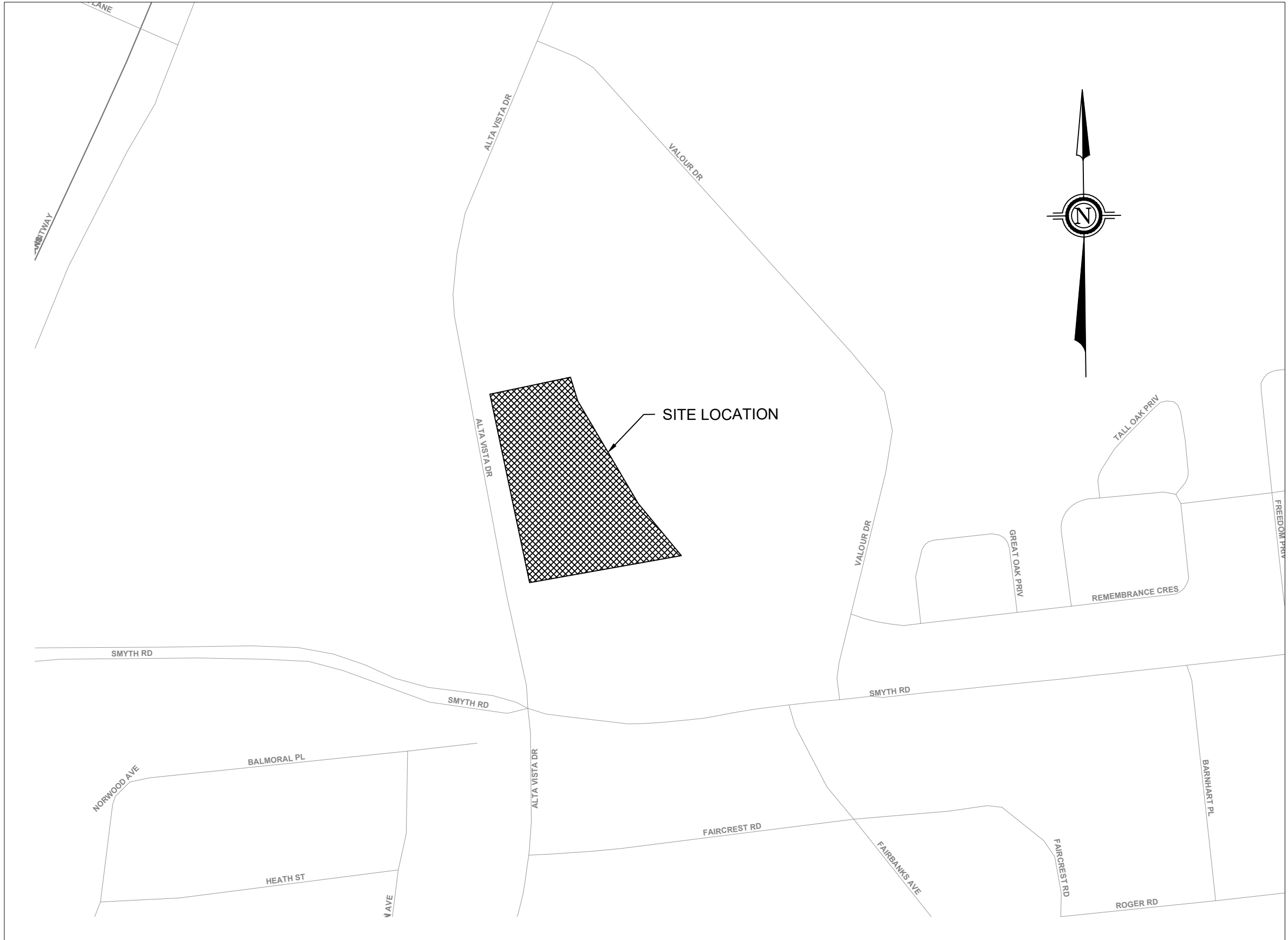
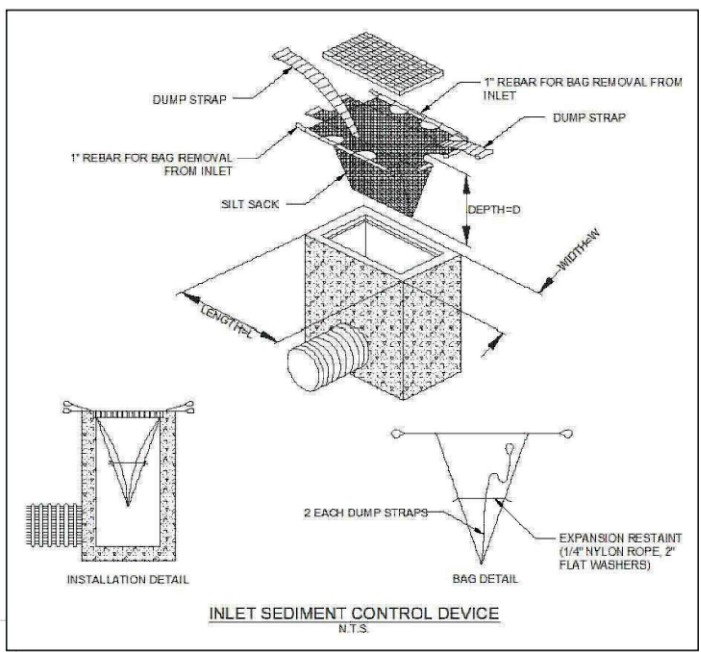
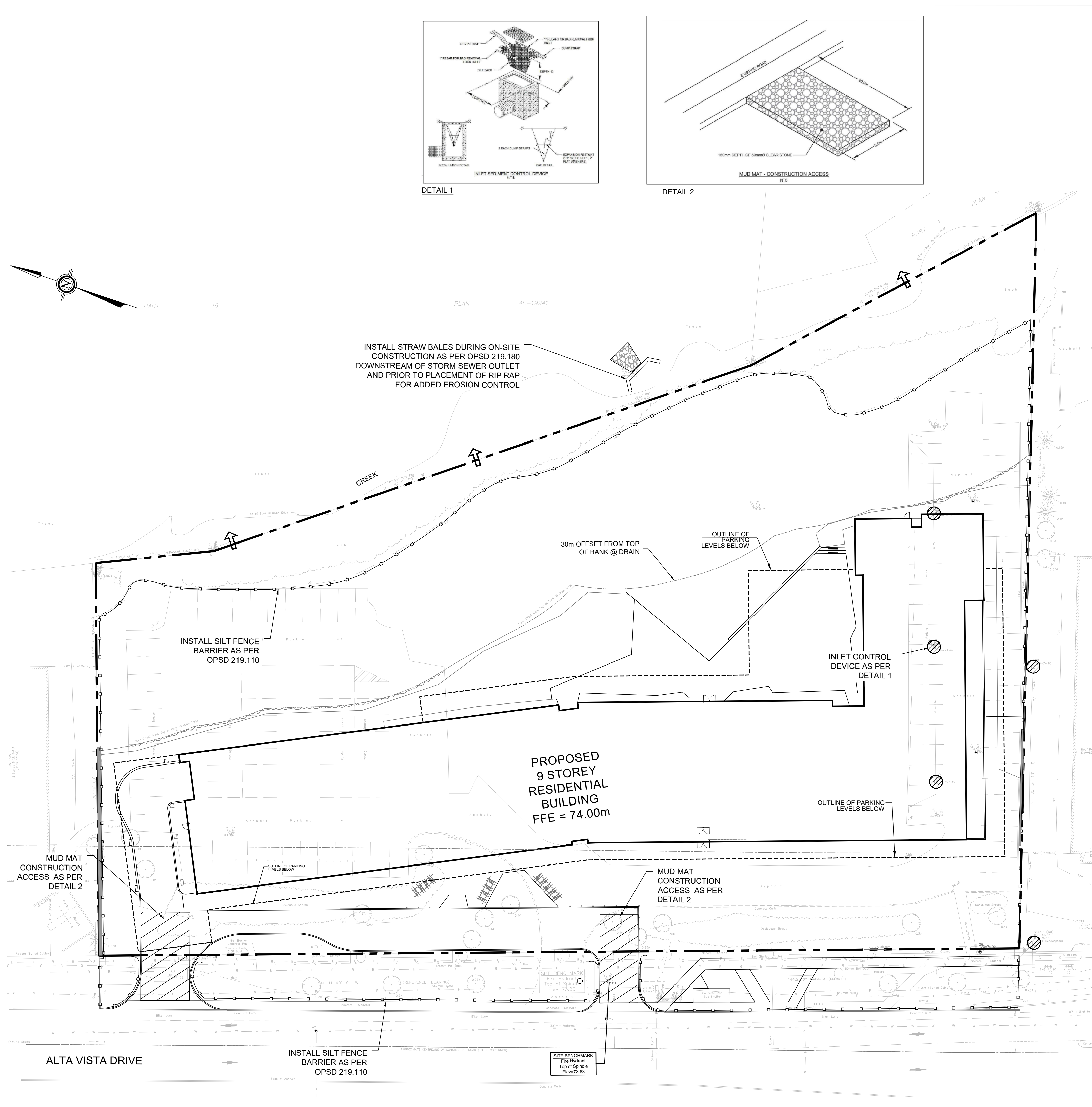


PROPOSED MULTI STOREY APARTMENT
1867 ALTA VISTA DRIVE, OTTAWA, ONTARIO
SITE PLAN APPLICATION SUBMISSION

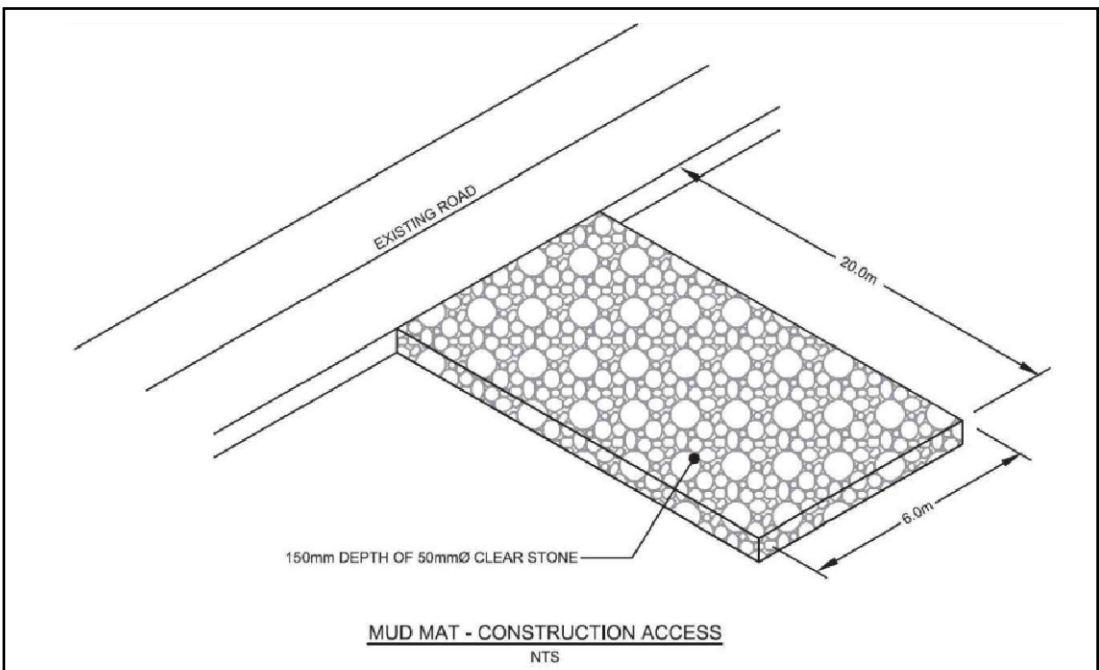


DWG. NO.	DRAWING NAME
C-100	TITLE PAGE
C-101	EROSION AND SEDIMENT CONTROL
C-102	REMOVALS
C-103	SITE SERVICING - PLAN AND PROFILE
C-104	SITE SERVICING
C-105	GRADING PLAN
C-106	STORM WATER MANAGEMENT PLAN
C-107	PRE- DEVELOPMENT DRAINAGE PLAN
C-108	POST- DEVELOPMENT DRAINAGE PLAN
C-109	GENERAL NOTES
C-110	CONSTRUCTION DETAILS PAGE 1
C-111	CONSTRUCTION DETAILS PAGE 2

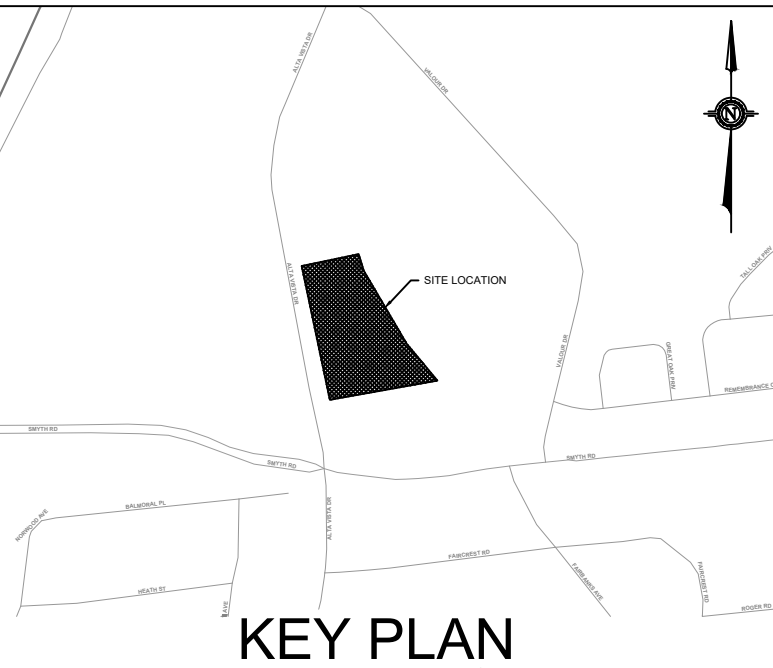
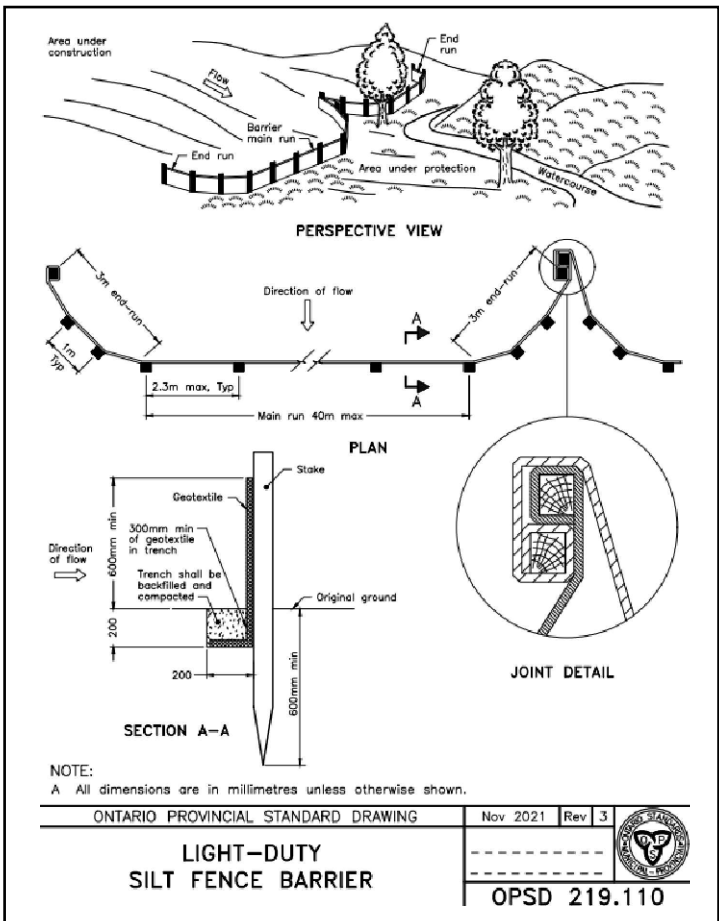
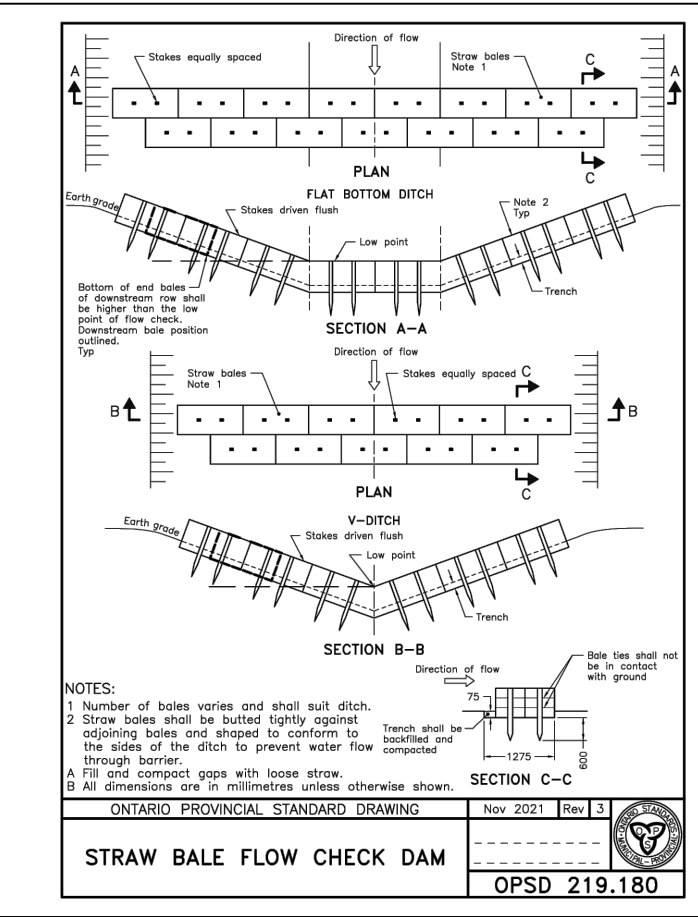
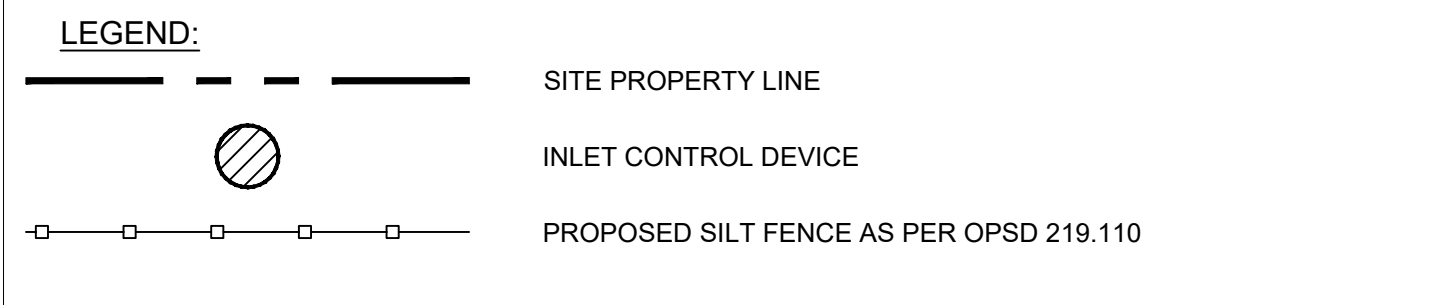




DETAIL 1



DETAIL 2



TOPOGRAPHIC INFORMATION & BENCHMARK
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SITE BENCHMARK No.1 LOCATED AT HYDRANT AT EXISTING ENTRANCE ALONG ALTA VISTA DRIVE. FIRE HYDRANT TOP OF SPINDLE = 73.83

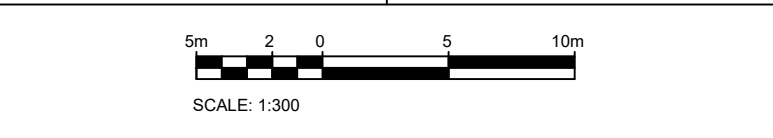
NOT FOR CONSTRUCTION

02	2026-06-30	ISSUED FOR SPA	T.H.
01	2025-12-17	ISSUED FOR OPA/ZBA	T.H.
No.	DATE	DESCRIPTION	BY

REVISIONS

2026-06-30		ISSUED FOR SPA	T.H.
2025-12-17		ISSUED FOR OPA/ZBA	T.H.
No.	DATE	DESCRIPTION	BY

LICENSED PROFESSIONAL ENGINEER
T. HARB
100223503
2026-06-30
PROVINCE OF ONTARIO



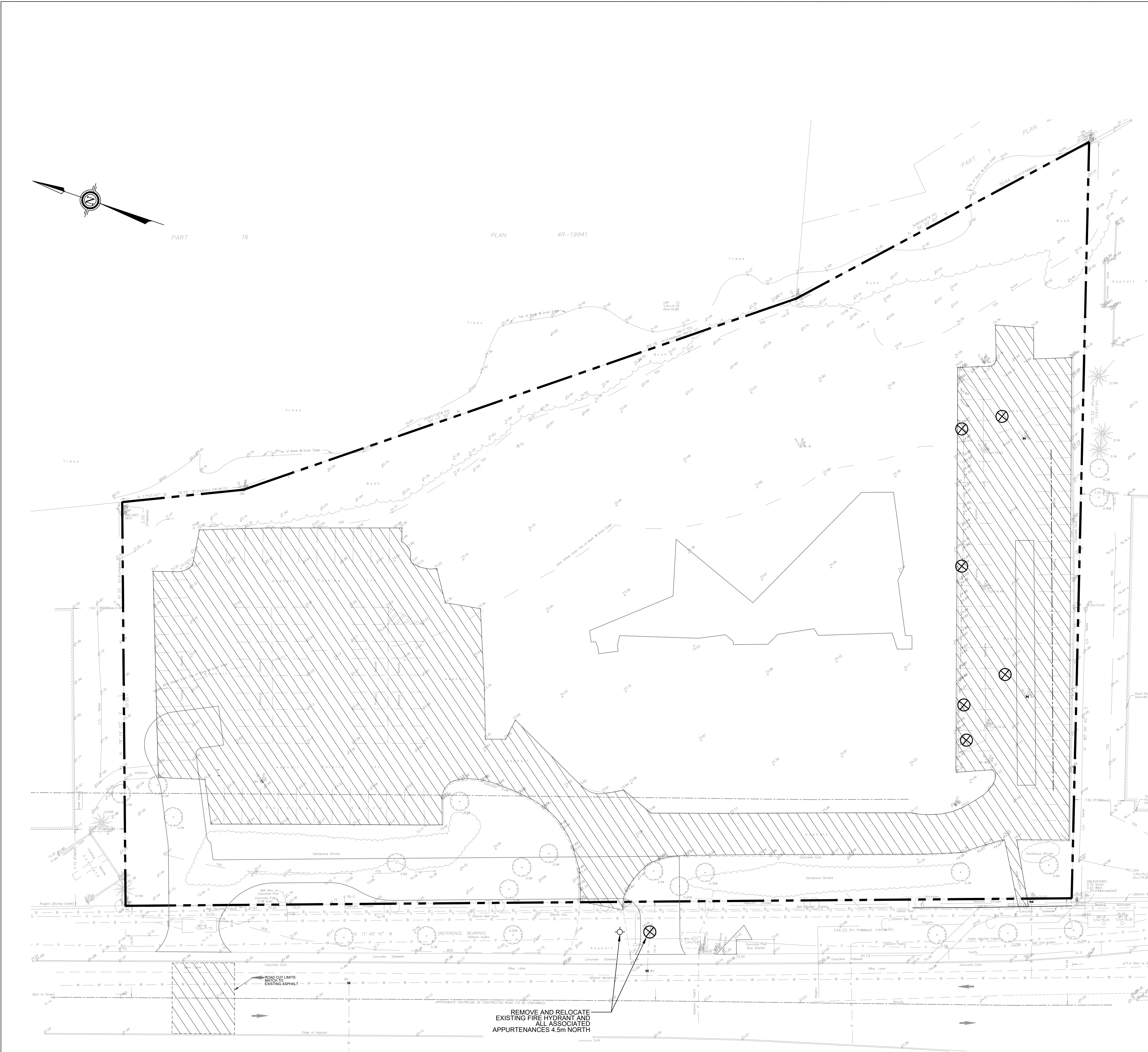
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CLIENT
TCU DEVCORP

PROJECT
**1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO**

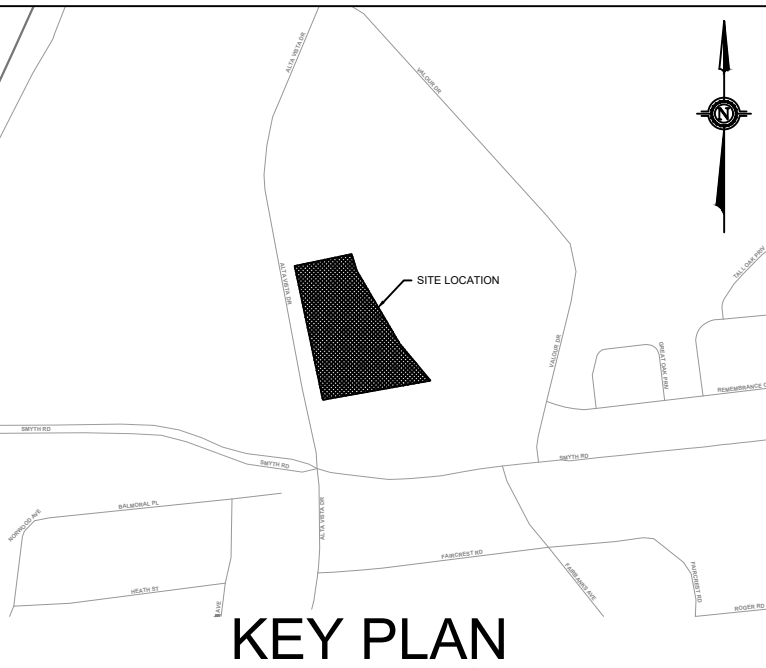
TITLE
EROSION/ SEDIMENT CONTROL

DESIGNED BY	T.H.	PROJECT NO.	479542
DRAWN BY	R.G.	C-101	ESC
CHECKED BY	M.M.		
DATE	JUNE 2026		
SCALE	1:300	DRAWING NO.	DRAWING



LEGEND:

- SITE PROPERTY LINE
- STRUCTURE TO BE REMOVED
- SEWER TO BE REMOVED
- EXISTING CURB REMOVAL
- EXISTING FENCE TO BE REMOVED
- ASPHALT REMOVAL
- LANDSCAPE REMOVAL
- CONCRETE REMOVAL



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No.	DATE	DESCRIPTION	BY



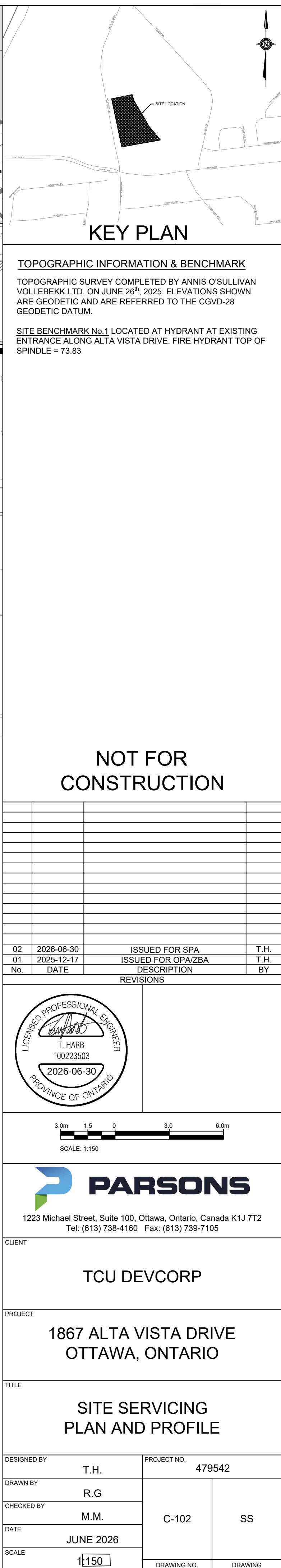
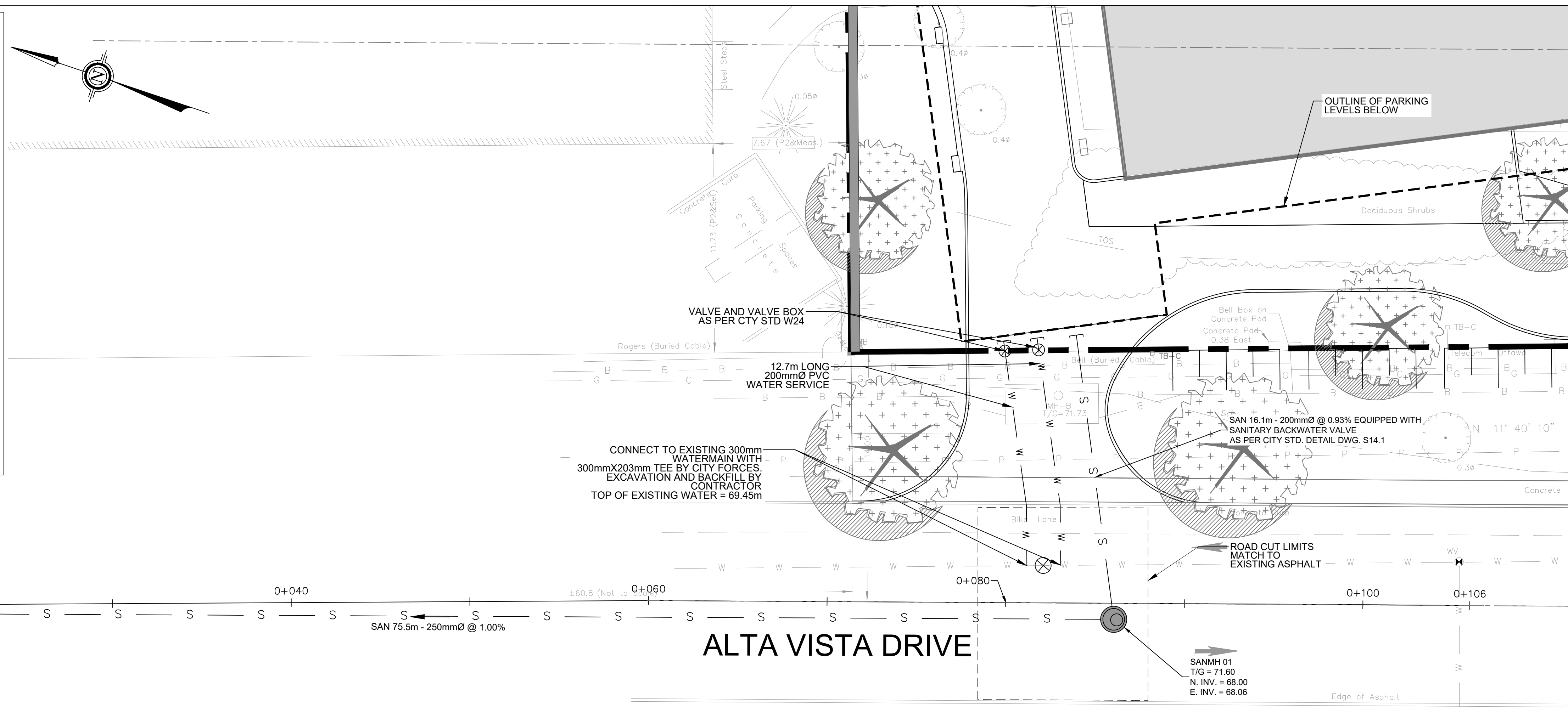
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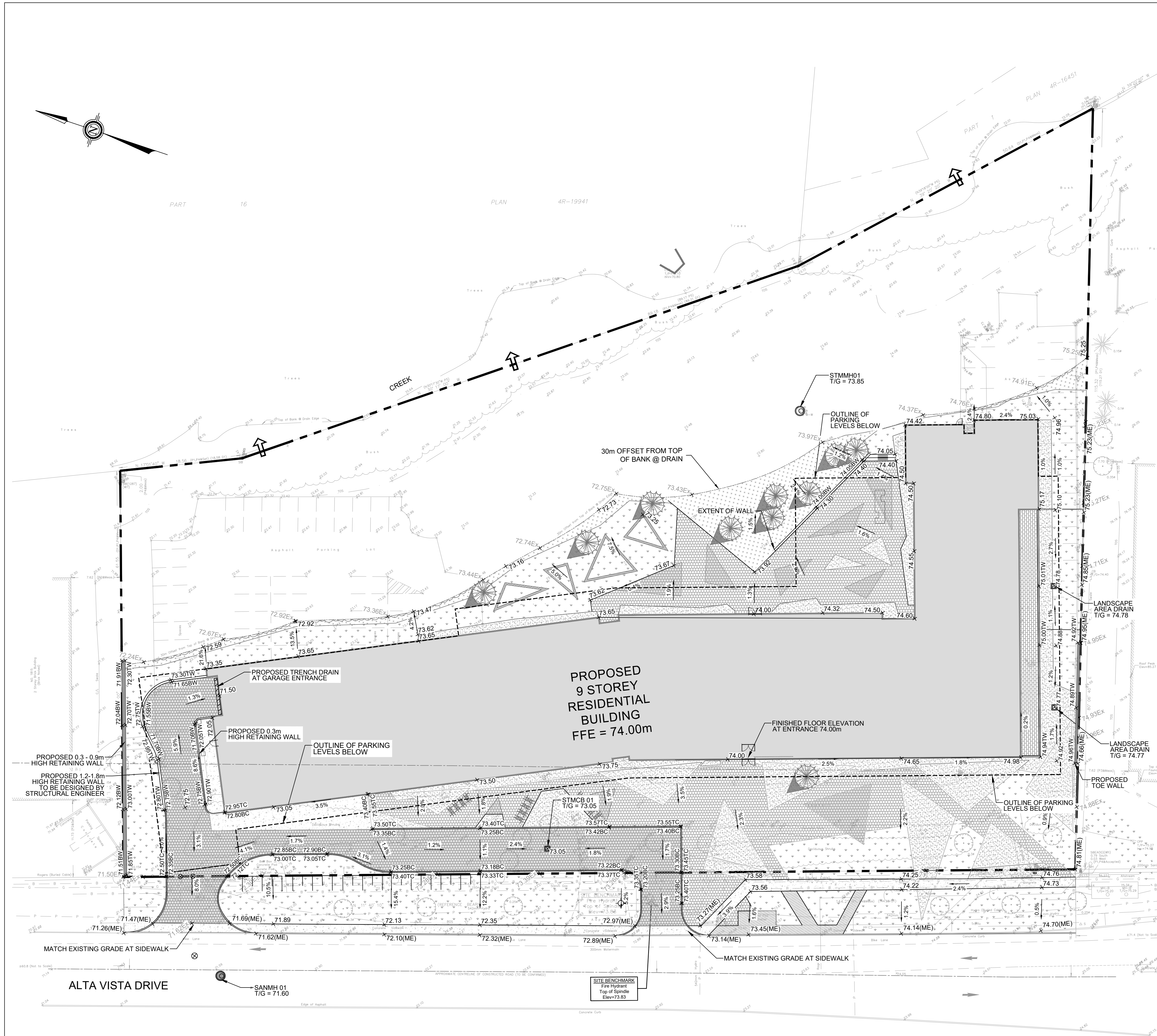
CLIENT
TCU DEVCORP

PROJECT
**1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO**

TITLE
REMOVALS PLAN

DESIGNED BY	T.H.	PROJECT NO.	479542
DRAWN BY	R.G.	C-102	REM
CHECKED BY	M.M.		
DATE	JUNE 2026		
SCALE	1:300	DRAWING NO.	DRAWING



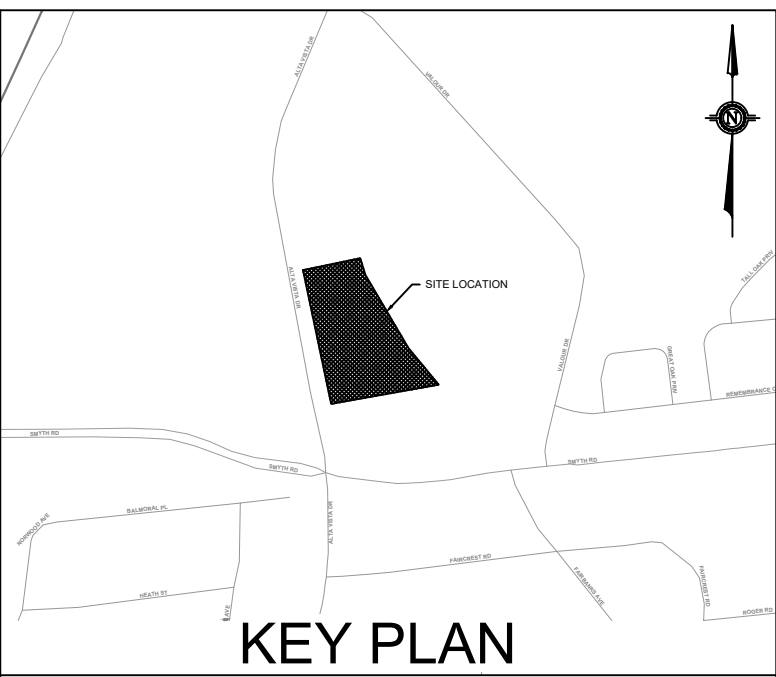


LEGEND:

- EXISTING PROPERTY LINE
- TERRACE (3:1 MAX)
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED TOP OF WALL GRADE
- PROPOSED BOTTOM OF WALL GRADE
- PROPOSED FINISHED FLOOR ELEVATION
- PROPOSED SWALE ELEVATION
- MATCH EXISTING ELEVATION
- PROPOSED TOP OF CURB GRADE
- PROPOSED BOTTOM OF CURB GRADE
- PROPOSED SURFACE SLOPE
- PROPOSED VALVE COVER
- PROPOSED SANITARY MAINTENANCE HOLE
- PROPOSED STORM MAINTENANCE HOLE
- PROPOSED CATCH BASIN
- PROPOSED TRENCH DRAIN
- PROPOSED CURB
- GRADE BREAK LINE
- PROPOSED DEPRESSED CONCRETE CURB WITH TWSI PER CITY STD DWG SC7.3
- PROPOSED PAVERS
- PROPOSED CONCRETE AREA / SIDEWALK
- PROPOSED PLANTING AREA
- PROPOSED LANDSCAPE

Recommended Pavement Structure - Car Only Parking Areas Over Podium Deck	
Thickness (mm)	Material Description
50	Wear Course – HL-3 or Superpave 12.5 Asphaltic Concrete
200*	BASE - OPSS Granular A Crushed Stone
See below**	Thermal Break** - Rigid Insulation (See Following Paragraph)
n/a	Waterproofing Membrane and IKO Protection Board
SUBGRADE – Reinforced concrete podium deck	
* Thickness of base course is dependent on grade of insulation as noted in proceeding paragraph	
** If specified by others, not required from a geotechnical perspective	

Recommended Pavement Structure – Access Lanes, Fire Truck Lane, Ramp, and Heavy Loading Areas Over Podium Deck	
Thickness (mm)	Material Description
40	Wear Course – HL-3 or Superpave 12.5 Asphaltic Concrete
50	Binder Course – HL-8 or Superpave 19.0 Asphaltic Concrete
300*	BASE - OPSS Granular A Crushed Stone
See below**	Thermal Break** - Rigid Insulation (See Following Paragraph)
n/a	Waterproofing Membrane and IKO Protection Board
SUBGRADE – Reinforced concrete podium deck	
* Thickness of base course is dependent on grade of insulation as noted in proceeding paragraph	
** If specified by others, not required from a geotechnical perspective	

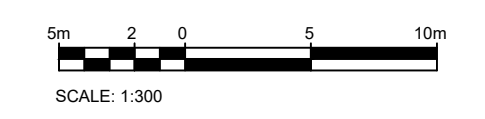


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SITE BENCHMARK No. 1 LOCATED AT HYDRANT AT EXISTING ENTRANCE ALONG ALTA VISTA DRIVE. FIRE HYDRANT TOP OF SPINDLE = 73.83

NOT FOR
CONSTRUCTION

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01	2025-12-17	ISSUED FOR OPAZBA	T.H.
No.	DATE	DESCRIPTION	BY
REVISIONS			

LICENSED PROFESSIONAL ENGINEER
T. HARRIS
100223503
2026-06-30
PROVINCE OF ONTARIO



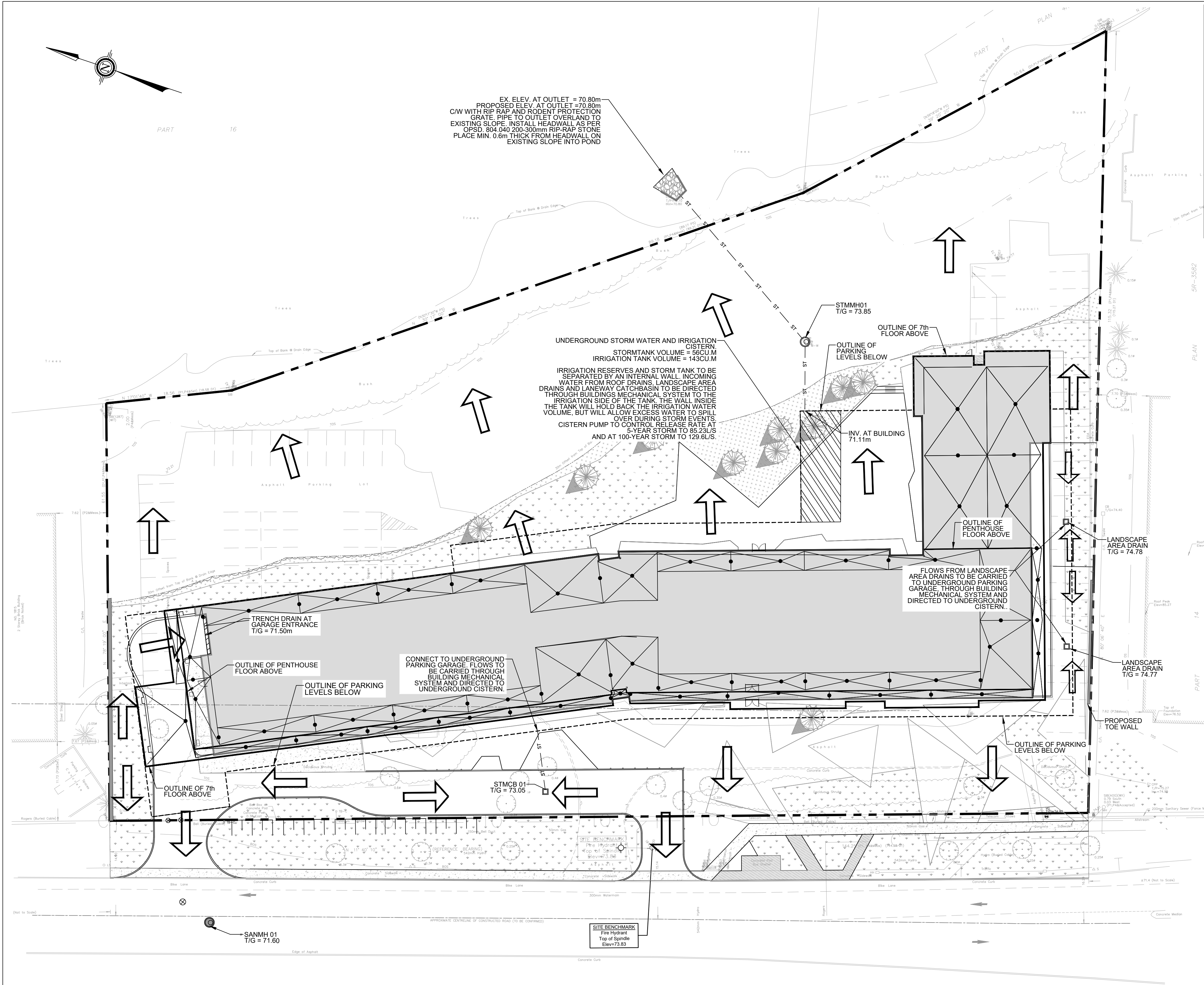
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TCU DEVCORP

PROJECT
**1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO**

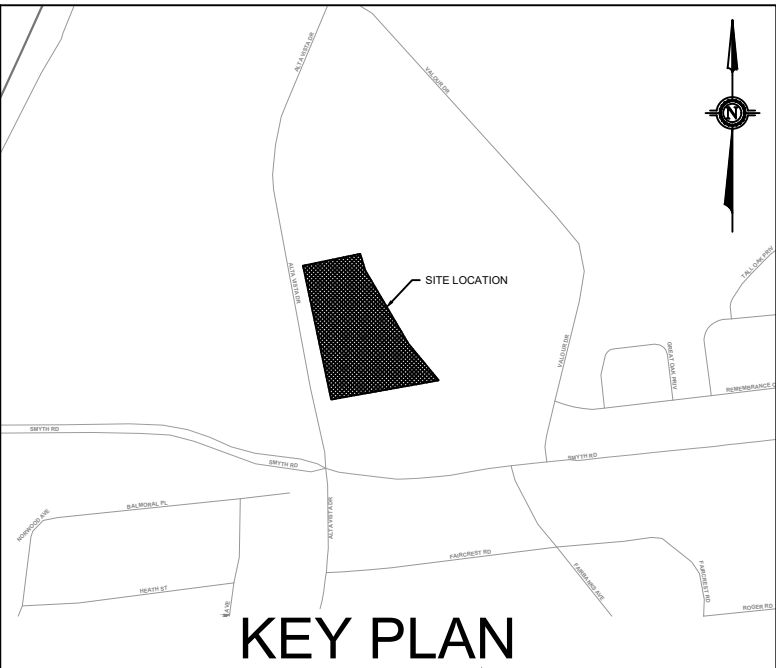
TITLE
GRADING PLAN

DESIGNED BY	T.H.	PROJECT NO.	479542
DRAWN BY	R.G.	C-105	GR
CHECKED BY	M.M.		
DATE	JUNE 2026		
SCALE	1:300	DRAWING NO.	DRAWING



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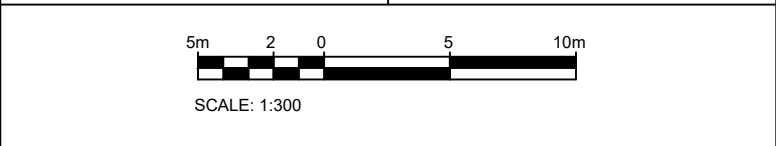
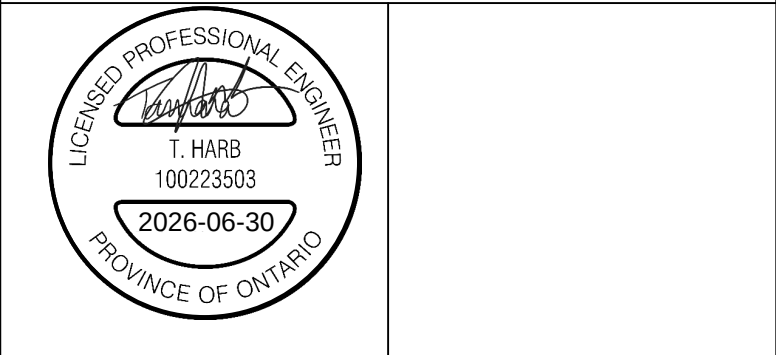
- SITE PROPERTY LINE
- ST — ST — ST — EXISTING STORM SEWER AND MAINTENANCE HOLE
- EXISTING STORM CATCH BASIN
- ST — (C) — PROPOSED STORM SEWER AND MAINTENANCE HOLE
- PROPOSED CATCH BASIN
- ▨ PROPOSED TRENCH DRAIN
- ▨ PIPE INSULATION REQUIRED AS PER CITY OF OTTAWA DETAIL S35
- PROPOSED ROOF DRAINS
- ➔ OVERLAND FLOW DIRECTION



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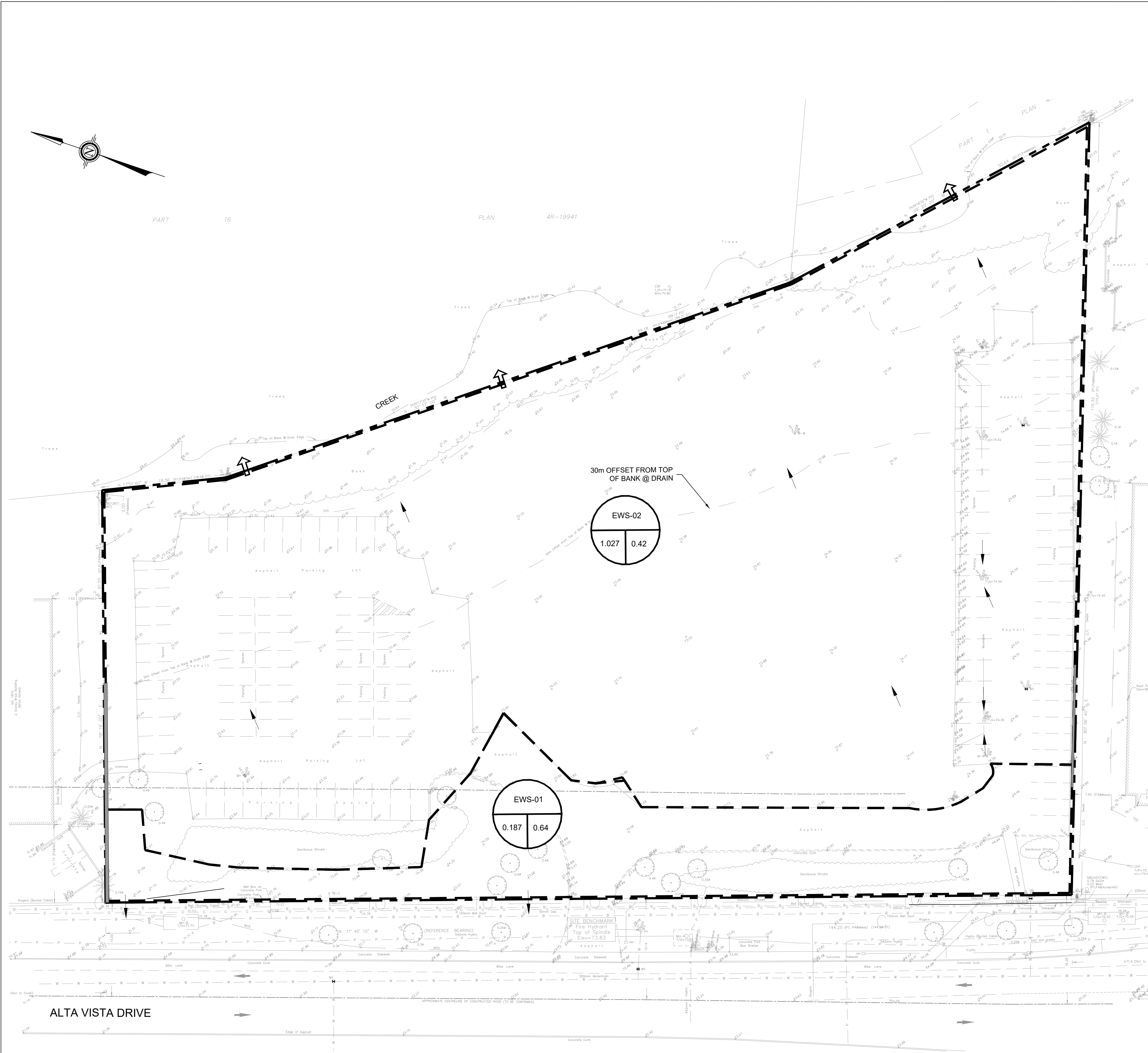
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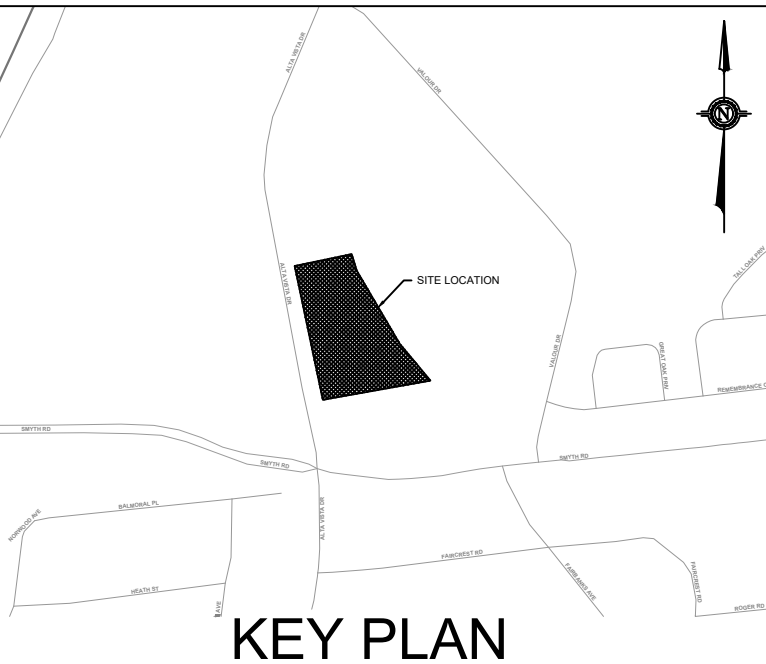
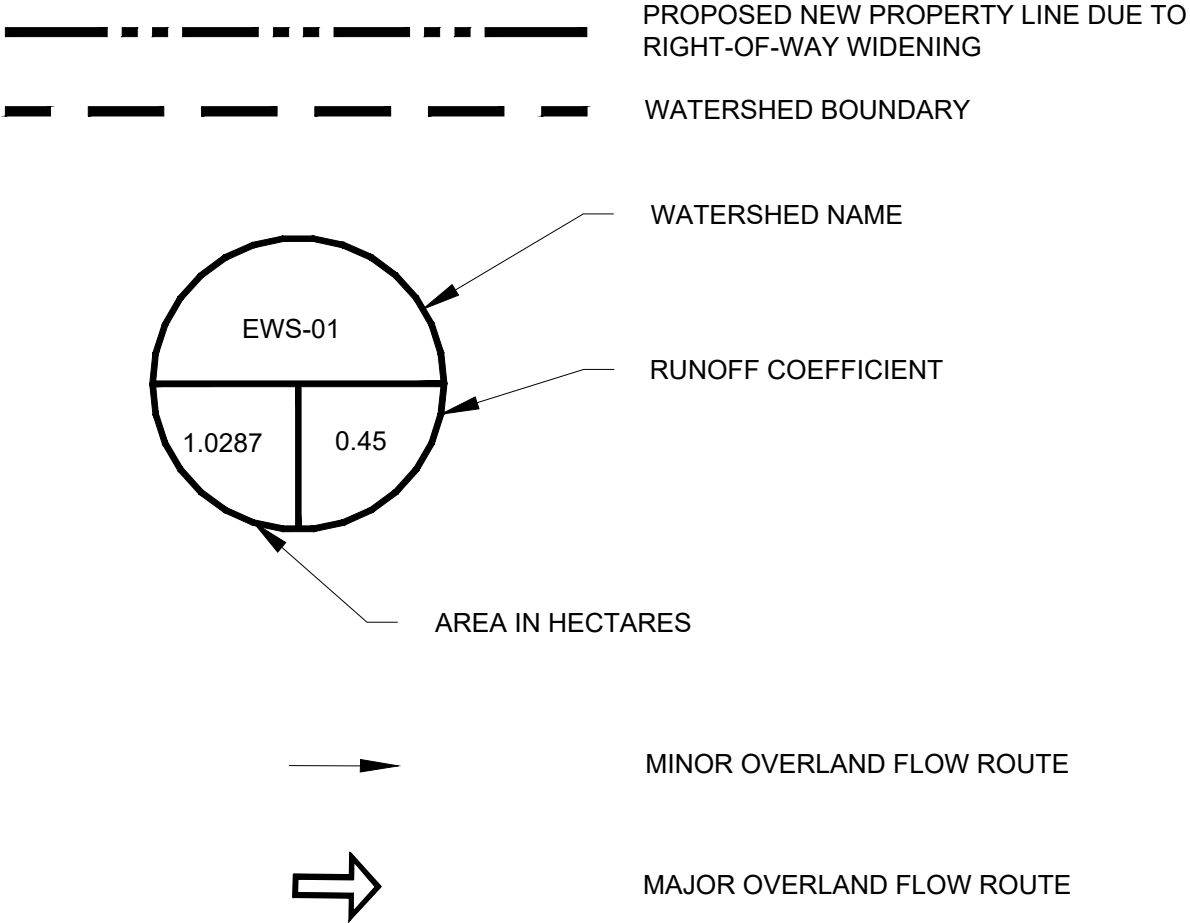
PROJECT
**1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO**

TITLE
**STORM WATER
MANAGEMENT PLAN**

DESIGNED BY T.H.	PROJECT NO. 479542	
DRAWN BY R.G.		
CHECKED BY M.M.	C-106	SWM
DATE JUNE 2026		
SCALE 1:300	DRAWING NO.	DRAWING



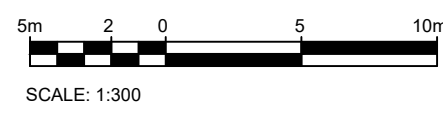
LEGEND:



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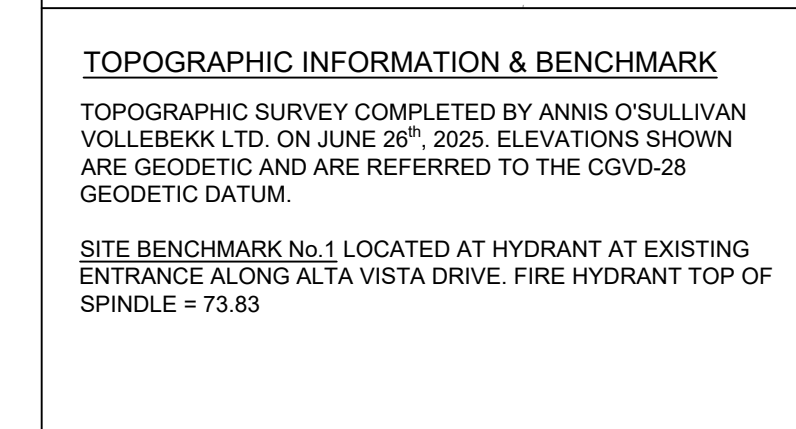
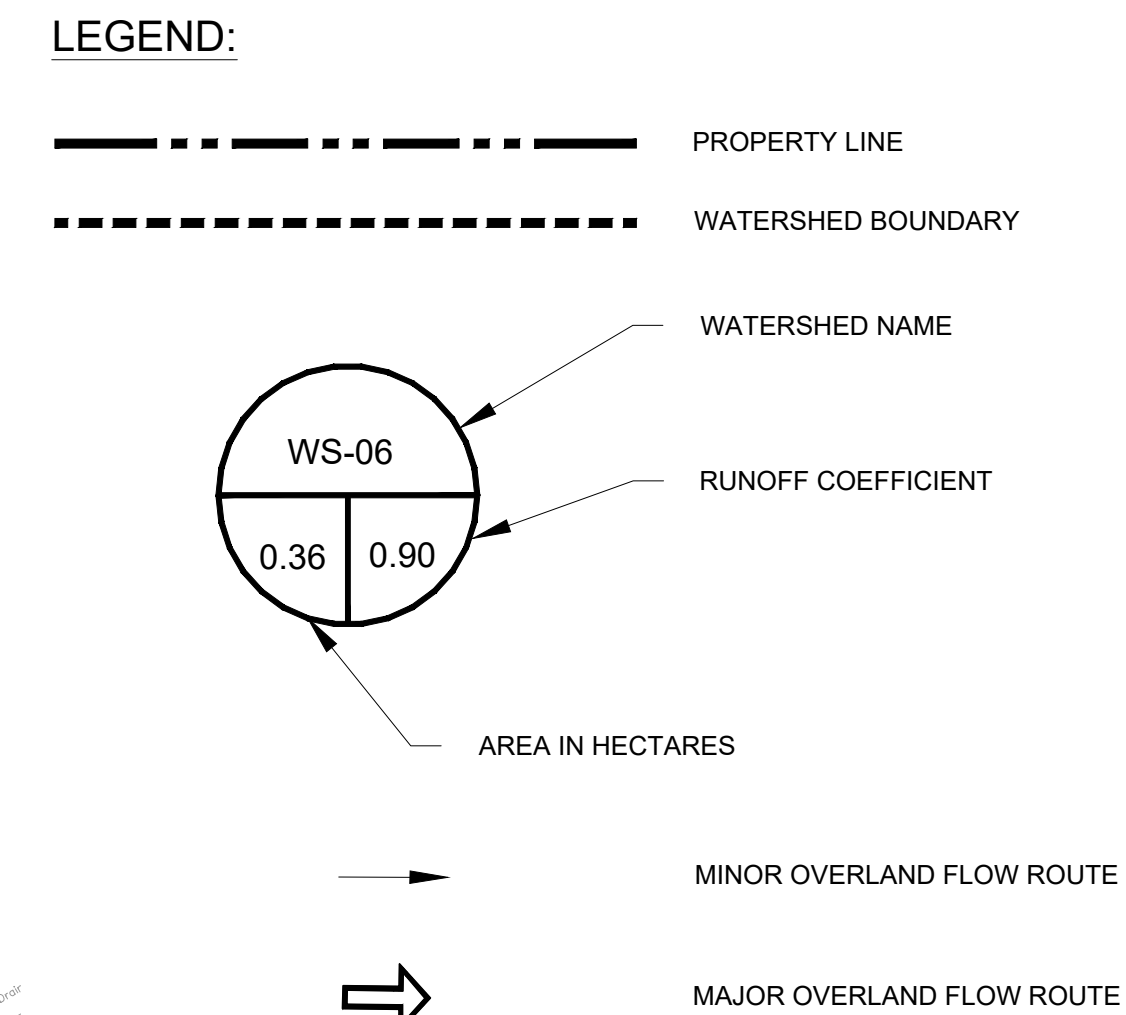
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Tel: (613) 738-4160 Fax: (613) 739-7105

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TCU DEVCORP

PROJECT
**1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO**

TITLE
**PRE DEVELOPMENT
DRAINAGE AREAS**

DESIGNED BY	T.H.	PROJECT NO.	479542
DRAWN BY	R.G.	C107	PRE
CHECKED BY	M.M.		
DATE	JUNE 2026		
SCALE	1:300	DRAWING NO.	DRAWING

[illegible]

A circular professional engineer seal for the Province of Ontario. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "PROVINCE OF ONTARIO" at the bottom. The center of the seal features a signature, the name "T. HARB", the license number "100223503", and an expiration date "2026-06-30" inside a semi-circular frame.



PROJECT

1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO

DESIGNED BY T.H.		PROJECT NO. 479542	
DRAWN BY R.G.		C108	POST
CHECKED BY M.M.			
DATE JUNE 2026			
SCALE 1:300			
		DRAWING NO.	DRAWING

CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT EROSION AND SEDIMENTATION FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURE MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE AGENCY.

- SEDIMENT AND EROSION CONTROL PLAN OBJECTIVES:
- PREVENT SOIL EROSION. THIS CAN RESULT FROM STREAMING RAIN WATER OR WIND EROSION DURING CONSTRUCTION.
- PREVENT SEDIMENT DEPOSITS IN THE SEWER PIPES AND NEARBY COLLECTING STREAMS (AS APPLICABLE).
- PREVENT AIR POLLUTION FROM PARTICULATE MATTER AND DUST.

- PRIOR TO THE REMOVAL OF ANY VEGETATIVE COVER, MOVING OF SOIL, AND CONSTRUCTION:
 - INSTALL SILT FENCE (AS PER OPD 219.110) ALONG DITCHES IMMEDIATELY DOWNSTREAM FROM AREAS TO BE DISTURBED (SEE PLAN FOR LOCATION).
 - INSTALL FILTER CLOTH ON DOWNSTREAM MAN-HOLE COVERS.
 - INSTALL SILT/CATCH FILTERS IN ALL CONCRETE CATCH BASIN STRUCTURES.
 - INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
- THE CONTRACTOR MUST SET UP THE MEASURES INDICATED ON THE PLAN, INSPECT THEM FREQUENTLY AND CLEAN AND REPAIR OR REPLACE THE DETERIORATED STRUCTURES. AT THE END OF THE CONSTRUCTION PERIOD, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF THE TEMPORARY STRUCTURES AND RECONDITIONING THE AFFECTED AREAS.

- SEDIMENT AND EROSION CONTROL MEASURES TO BE CONSTRUCTED AS PER OPS805.
- WHEN SEDIMENT AND EROSION CONTROL MEASURES MUST BE REMOVED TO COMPLETE A PORTION OF THE WORK, THE SAME MEASURES MUST BE REINSTITUTED UPON THE WORK'S COMPLETION.
- WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS TO BE CARRIED OUT FROM JULY AND SEPTEMBER ONLY.
- MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE.
- PROTECT EXPOSED AREAS FROM RUNOFF.
- PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED SHORTLY.
- INSPECT STRAW BALE FLOW CHECK DAMS, SILT FENCES, SILT SACKS, AND CATCH BASIN SUMPS REGULARLY AND AFTER EVERY MAJOR STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
- PLAN TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION.
- EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
- DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR FROM ANY ROAD TO BE OPENED TO TRAFFIC. TOPSOIL PILES ARE TO BE SEEDING IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS) WHEN STORING SOIL ON SITE.
- PILES THE CONTRACTOR MUST COVER EACH PILE WITH TARP, STRAW OR A GEOTEXTILE FABRIC TO AVOID FINE PARTICLES AND ANSPOROUS ODORS AND NOISES.
- CONTROL WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDING WATERING IS REQUIRED). FOR DUST CONTROL, CONTRACTOR TO APPLY CALCIUM CHLORIDE (TYPE 1 - OPS8250 AND CANGCS85-15-1) AND WATER WITH EQUIPMENT APPROVED BY THE OWNER'S REPRESENTATIVE AT A RATE OF 100 LBS PER 1000 SQ. YD.
- ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER. SEDIMENT CAPTURE SILT SACKS MUST BE MAINTAINED AND NOT BE REMOVED UNTIL ALL LANDSCAPING AREAS ARE COMPLETED.
- ALL EROSION CONTROL MEASURES TO BE MAINTAINED AND REPAIRED AS REQUIRED UNLESS APPROVED BY THIS CONSULTING ENGINEER AND THE CITY OF OTTAWA DEPARTMENT OF PUBLIC WORKS.
- CONTRACTOR RESPONSIBLE FOR MUNICIPAL ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING ETC. AT THE END OF EACH WORK DAY.
- CONTRACTOR TO MAINTAIN ALL VEHICLES AND EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
- ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
- TAKE NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STRINGS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
- PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PROVIDE MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 10' LONG, 4' WIDE, AND 0.15m DEEP AND SHALL CONSIST OF COARSE MATERIAL. MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.

- PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREAS.
- ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE REMOVED BY THE CONTRACTOR FOLLOWING THE COMPLETION OF WORK AND AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED, THIS INCLUDES REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANHOLE COVERS.
- INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.

1. PRE-REMOVAL, THE CONTRACTOR MUST VISIT THE PREMISES IN ORDER TO BE FULLY AWARE OF EXISTING CONDITIONS ON SITE, INCLUDING ALL ELEMENTS TO BE REMOVED AND DEMOLISHED. NO CLAIM WILL BE ACCEPTED FOR DAMAGE OR ELEVATION OF THE WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR NOTICING AND THE REQUEST FOR INTERRUPTION OF PUBLIC UTILITY SERVICES, SUCH AS GAS, TELEPHONE, POWER, CABLE, SEWERS, WATERMAIN, ETC. BEFORE PROCEEDING WITH WORK, COORDINATE WITH ALL APPLICABLE UTILITY COMPANIES.
3. THE CONTRACTOR IS RESPONSIBLE FOR UNLOADING AND BAGGED AND/OR PROTECTED AS INDICATED ON DRAWING. CURB, ASPHALT, SIDEWALK, AND GRANULAR BASE TO BE EXCAVATED WITHIN LIMITS OF DEMOLITION REMOVAL. THE CONTRACTOR MUST CARRY OUT NECESSARY SAW CUTS.
5. SEWER / WATERMAIN PIPES TO BE ABANDONED MUST BE CUT, FILL WITH UNSHRIKABLE CONCRETE CONFORMING TO CPSS 1350, AND CAPPED.
6. REMOVE AND DISPOSE SEWERS AS INDICATED. PLUG ANY SERVICE LATERALS TO BE ABANDONED.
7. THE CONTRACTOR MUST ENTIRELY REMOVE THE DEMOLITION WRECKAGE FROM THE CONSTRUCTION SITE. OFFSITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINISTRY OF ENVIRONMENT CONSERVATION AND PARKS (MECP).
- a. THE CONTRACTOR MUST DISCARD RECYCLABLE DEMOLITION MATERIALS IN COLLABORATION WITH A REGIONAL RECYCLING COMPANY.
- b. ALL OTHER DEMOLITION WRECKAGE MUST BE DISPOSED OFF-SITE AT AUTHORIZED LICENSED LANDFILLS AND IN CONFORMITY WITH THE APPLICABLE LAWS AND REGULATIONS. THE CONTRACTOR MUST BE ABLE TO PROVIDE, UPON REQUEST, COPIES OF THE DISPOSAL TICKETS TO THE OWNER'S REPRESENTATIVE.
8. SEWERS AND WATERMAIN TO BE REMOVED. THE CONTRACTOR WORKING LIMIT MUST BE RE-EVALUATED AS THEY WERE BEFORE BEGINNING OF WORK. CONTRACTOR IS RESPONSIBLE TO MAKE GOOD ON ANY DAMAGES TO EXISTING CURB AND ASPHALT NOT SCHEDULED FOR REMOVAL.
9. ALL MATERIALS, PRODUCTS AND OTHERS COMING FROM THE DEMOLITION BELONG TO THE CONTRACTOR, UNLESS SPECIFIED OTHERWISE.
10. THE CONTRACTOR MUST COMPLETE ALL REMOVALS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO MAKE THE WORK COMPLETE.
11. THE CONTRACTOR MUST PROTECT AND MAINTAIN IN SERVICE THE EXISTING WORKS WHICH MUST REMAIN IN PLACE. IF THEY ARE DAMAGED, THE CONTRACTOR MUST IMMEDIATELY MAKE THE REPLACEMENTS AND NECESSARY REPAIRS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
12. THE CONTRACTOR MUST NOT PERFORM ANY TREE CUTTING DURING THE CORE MIGRATORY BIRDS NESTING PERIOD, WHICH IS APRIL 15 TO AUGUST 15.

1. ALL CATCH BASIN, TRENCH, RAIN, MAINTENANCE HOLE COVERS AND OTHER STORM SEWER CONNECTION SHALL BE EQUIPPED WITH NITRILE RUBBER GASKET.
2. CONTRACTOR TO CONFIRM ELEVATION OF EXISTING STORM AND SANITARY SEWERS AT PROPOSED CONNECTION POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING ANY WORK.
3. ALL WORK SHALL BE PERFORMED, AS APPLICABLE IN ACCORDANCE WITH OPSS 407, AND 410.
4. PIPE MATERIAL TO BE PVC SDR-35 AND CONFORMING TO OPSS 1841, UNLESS INDICATED OTHERWISE. PVC SEWERS TO BE INSTALLED PER OPSS 802-010 (MODIFIED), BEDDING AND COVER MATERIALS TO BE OPSS 1010 GRANULAR 'A' SAND. SLOPE LIMIT SHALL BE ACCORDING TO OPSS 407, IMPACTED TO 4% SLOPE.
5. ALL SEWERS WITH LESS THAN 15 METERS OF COVER ARE SUBJECTED TO INSULATION DETAIL, S35 OF THE CITY OF OTTAWA ON DRAWING C-104.
6. PIPE BACKFILL MATERIAL TO BE APPROVED NATIVE MATERIAL OR SELECT SUBGRADE MATERIAL IN CONFORMANCE WITH OPSS 212.
7. ALL MAINTENANCE HOLES AND CATCH BASIN MAINTENANCE HOLES TO BE 1200mm ØS AS PER OPSS 701.010, UNLESS INDICATED OTHERWISE. MAINTENANCE HOLES AND CATCH BASIN MAINTENANCE HOLES TO BE INSTALLED PER OPSS 407.
8. ALL CATCH BASINS TO BE 600mmØmm AS PER OPSS 705.010, UNLESS INDICATED OTHERWISE. CATCH BASINS TO BE INSTALLED PER OPSS 407.
9. EXCAVATING, BACKFILLING, AND COMPACTING REQUIRED FOR MAINTENANCE HOLES, CATCH BASIN MAINTENANCE HOLES, AND CATCH BASINS TO BE COMPLETED AS PER OPSS 402. THEY ARE TO BE BACKFILLED WITH OPSS GRANULAR 'B' COMPACTED TO 98% SPMD. JOINTS BETWEEN SECTIONS TO BE WRAPPED WITH NON-WOVEN GEOTEXTILE.
10. ALL STORM STRUCTURES SHALL BE MAINTENANCE HOLE COVER AS PER OPSS 401.010 TYPE 'A'.
11. FOR STORM STRUCTURES, CAST IRON CATCH BASIN MAINTENANCE HOLE COVER AS PER OPSS 401.010 TYPE 'B' AND CAST IRON CATCH BASIN COVER AS PER OPSS 400.020.
12. SANITARY MAINTENANCE HOLES REQUIRE BENCHING AS PER OPSS 701.021.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING OR ARRANGING ALL CONNECTIONS TO THE EXISTING SEWERS PER MUNICIPAL REQUIREMENTS. PRIOR TO CONNECTION, THE CONTRACTOR MUST PROVIDE, TO THE CONSULTANT / ENGINEER AND THE CITY FOR APPROVAL, ALL TEST RESULTS PERFORMED ON THE INTERNAL SERVICES.
14. ADVISE THE CITY PUBLIC WORKS AT LEAST 72 HOURS IN ADVANCE BEFORE ANY CONNECTION TO THE CITY SERVICES.
15. CO-ORDINATE WITH THE CITY OF OTTAWA AS REGARDS THE FOLLOWING:
16. TERMINATE AND PLUG ALL SERVICE CONNECTIONS AT 1.0 m FROM EDGE OF THE BUILDING.
17. ALL SEWERS TO BE C.C.T.V. INSPECTED BY THE CONTRACTOR AS PER OPSS 409. TWO COPIES OF THE INSPECTION REPORT MUST BE PROVIDED TO THE CONSULTANT AND THE C.C.T.V. INSPECTION IN DVD FORMAT ONLY.
18. STORMWATER SEPARATION SHALL BE PRE-MANUFACTURED WITH CATCH BASINS AND MAINTENANCE HOLES.
19. THE STORMWATER TSS QUALITY REQUIREMENTS WILL BE ACHIEVED BY INSTALLING A EF-04 OR EQUIVALENT TO ACHIEVE 80% TSS REMOVAL. THE OIL/GREASE SEPARATOR IS TO HAVE A SEDIMENT CAPACITY OF 1190L, AN OIL CAPACITY OF 265L, AND FOR A MAXIMUM TREATMENT FLOW RATE OF 12.9 L/S.
20. OGS WILL REQUIRE PERIODIC MAINTENANCE AND CLEANING AS PER THE MANUFACTURERS SPECIFICATIONS. TYPICAL CLEANING INTERVAL SHALL BE 12 MONTHS. ANNUAL CLEANING RECORD NEEDS TO BE WITNESSED BY THE CITY.
21. ALL BUILDINGS FOUNDATION DRAINS TO BE CONNECTED TO THE STORM SEWER DOWNSTREAM OF THE ICD.

1. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m ABOVE FINISHED GRADE, WHERE THE MINIMUM COVER OF 2.4m IS NOT REACHED, THERMAL INSULATION IS REQUIRED AS PER CITY OF OTTAWA DETAIL W22.
2. WATERMAIN PIPE MATERIALS TO BE CLASS PVC DR-18, OR APPROVED EQUIVALENT, UNLESS INDICATED OTHERWISE.
3. WATER TO BE INSTALLED AT MINIMUM COVER OF 2.4m ABOVE FINISHED GRADE, WHERE THE MINIMUM COVER OF 2.4m IS NOT REACHED, THERMAL INSULATION IS REQUIRED AS PER CITY OF OTTAWA DETAIL W22.
4. BE OPSS 110 GRAINULAR A CRUSHER-RUN Limestone COMPACTED TO 95% SPMD.
5. A CONTINUOUS 12 GAUGE COPPER TRACER WIRE MUST BE INSTALLED OVER ALL WATERMAINS. TRACER WIRE SHALL BE TIED TO ALL FIRE HYDRANTS.
6. INSTALLATION OF A WATERMAIN PIPE CROSSING A SEWER PIPE SHALL BE AS PER CITY OF OTTAWA DETAILS W25 AND W25.2.
7. IF WATERMAIN PIPE MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS NOT LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.
8. WATERMAIN PROTECTION REQUIRED FOR ALL IRON PIPE SHALL BE AS PER OPSS 1103.011.
9. TRUSS BLOCKS AND RESTRAINING AS PER OPSS 1103.010 AND OPSS 1103.020.
10. HYDRANT INSTALLATION AS PER OPSS 1105.010 AND OPSS 441. HYDRANT TO COMPLY WITH AWWA C502.
11. HYDRANTS MUST HAVE THREE EXITS (200.65 mm and one 100.0 mm) STORZ OF STAINLESS STEEL WITH ORAIN.
12. FIRE HYDRANTS MUST BE INSTALLED SUCH THAT THE STORZ EXIT POINTS TOWARDS THE BUILDING IT WILL SERVICE.
13. THE CONTRACTOR MUST ENSURE THAT THE BREAKAWAY FLANGE IS LOCATED ABOVE THE FINISHED GROUND (APPROXIMATELY 150 mm).
14. FIRE FLOW TESTS FOLLOWED BY COLOUR CODING OF HYDRANTS (AS PER NFPA-291) SHALL BE CARRIED OUT PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK.
15. WATERMAIN AND HYDRANT CONTROL VALVES IN THE 100 – 300 mm RANGE WILL BE RESILIENT SEATING GATE VALVES (AWWA C509) WITH MECHANICAL JOINT CONNECTIONS. VALVES WILL OPERATE COUNTER-CLOCKWISE TO OPEN WITH A NON-RISING STEM. VALVES WILL BE COMPLETE WITH THE STANDARD AWWA 50 mm OPERATING NUT. VALVES TO BE INSTALLED AS PER OPSS 1103.011.
16. PIPE FITTINGS (BENDS, TEES, CROSSES, REDUCERS, ETC.) WILL BE MECHANICAL JOINT (AWWA C-111) WITH CEMENT MORTAR LINING (AWWA C-104).
17. COUPLERS MUST BE COMPRESSION TYPE WITH MINIMUM PRESSURE RATING OF 1035 kPa. COUPLERS MUST BE MUELLER 11-12540.
18. VALVE BOXES MUST BE COMPLETE (FULLY METALLIC) 3 PIECE SLIDING TYPE WITH GUIDE PLATES.
19. VALVE BOXES MUST BE THOROUGHLY FLUSHED AND CLEANED TO REMOVE ALL DIRT AND DEBRIS PRIOR TO THE DISINFECTION.
20. WATERMAINS SHALL BE HYDROSTATICALLY AND BACTERIOLOGICALLY TESTED AS PER PROVINCIAL AND MUNICIPAL REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIREMENTS ARE FOLLOWED.
21. THE DISINFECTION PROCEDURE WHICH FOLLOWS INITIAL FLUSHING AND CLEANING CONSISTS OF CHLORINATION, FINAL FLUSH AND BACTERIOLOGICAL TESTING. DISINFECTION MUST BE PERFORMED BY THE CONTRACTOR USING METHODS APPROVED BY THE CITY OF OTTAWA AND IN ACCORDANCE WITH MINISTRY OF ENVIRONMENT AND CLIMATE CHARTER GUIDELINES. DOSAGE MUST BE 100ppm WITH A MINIMUM RESIDUAL OF 25 ppm AFTER 24 HOURS. DISINFECTANT MUST BE SUPPLIED BY THE CONTRACTOR AND MUST BE ANSII APPROVED. TESTING AND TEST RESULTS MUST BE WITNESSED BY CITY OF OTTAWA PERSONNEL.
22. ALL DISINFECTANT WATER IS TO BE REMOVED FROM THE NEW WATERMAINS AND REPLACED WITH DISTRIBUTION SYSTEM WATER PRIOR TO PRESSURE TESTING OF THE WATERMAIN.
23. PRESSURE TESTING OF ALL WATERMAINS AND APPURTENANCES INSTALLED BY THE CONTRACTOR MUST BE PERFORMED BY THE CONTRACTOR USING METHODS MEETING THE APPROVAL OF THE CITY OF OTTAWA. TESTING AND RESULTS MUST BE WITNESSED BY CITY OF OTTAWA PERSONNEL.
24. MAINS AND SERVICES MUST BE PRESSURE TESTED AT 1035 kPa (150 psi) IN ACCORDANCE WITH AWWA C-600-82 (MINIMUM REQUIREMENT).
25. LEAKAGE TESTS MUST BE CONDUCTED AS PER AWWA C-600-82 (MINIMUM REQUIREMENT).
26. AFTER THE DISINFECTION AND PRESSURE TESTING RESULTS HAVE BEEN APPROVED, THE CONTRACTOR MUST ENSURE THAT ALL WATERMAIN PIPES ARE FLUSHED UNTIL THE CHLORINE LEVEL IN THE WATER IS SIMILAR TO THE LEVEL OF CHLORINE IN THE MUNICIPAL WATERMAIN NETWORK IN THE AREA.
27. BACTERIOLOGICAL TESTING MUST CONSIST OF TWO SAMPLINGS TWENTY FOUR HOURS APART. IF BACTERIOLOGICAL SAMPLES ARE NOT SATISFACTORY, THE WATERMAIN SHALL BE RE-TESTED.
28. ALL WATERMAIN VALVES TO BE OPERATED BY THE CITY OF OTTAWA ONLY.

THE CONTRACTOR MUST CONFORM TO ALL LAWS, CODES, ORDINANCES, AND REGULATIONS ADOPTED BY FEDERAL, PROVINCIAL OR MUNICIPAL GOVERNMENT COUNCILS AND GOVERNMENT DEPARTMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE LAWS AND REGULATIONS ARE MENTIONED THEY REFER TO THEIR CURRENT VERSIONS, MODIFICATIONS INCLUDING AMENDMENTS.

ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS (OPSS AND OPSD), THE ONTARIO MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE, THE ONTARIO MINISTRY OF NATURAL RESOURCES, APPLICABLE CONSERVATION AUTHORITIES, THE MUNICIPAL STANDARD SPECIFICATIONS AND DRAWINGS, AND ALL OTHER GOVERNING AUTHORITIES AS THEY APPLY, UNLESS OTHERWISE INDICATED.

ALL MATERIAL SUPPLIED AND PLACED FOR PARKING LOT AND ACCESS ROAD CONSTRUCTION SHALL MEET THE FOLLOWING REQUIREMENTS AND SPECIFICATIONS UNLESS OTHERWISE NOTED: CONSTRUCTION TO OPSS 206, 310 & 314. MATERIALS TO OPSS 1001, 1003 & 1010.

THE LOCATION OF EXISTING UNDERGROUND MUNICIPAL SERVICES AND PUBLIC UTILITIES AS SHOWN ON THE SITE PLAN AND ANY ADDITIONAL INFORMATION FROM OTHER SOURCES WILL DETERMINE THE EXACT SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES (ON-SITE AND OFF-SITE) PRIOR TO ANY EXCAVATION WORK. DAMAGE TO ANY EXISTING SERVICES AND/OR EXISTING UTILITIES DURING CONSTRUCTION, WHETHER OR NOT SHOWN ON THE DRAWINGS MUST BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL DETERMINE THE EXACT INVERT (GEODEIC ELEVATION), DIAMETER AND CONSTRUCTION MATERIAL OF THE EXISTING CONDUITS AT THE PROPOSED CONNECTIONS. THEY SHALL BE IDENTIFIED AND LOCATED BY THE CONTRACTOR PRIOR TO ANY EXCAVATION. DETERMINE THE EXACT LOCATION AND INVERTS OF EXISTING DUCT BANKS. THIS INFORMATION SHALL IMMEDIATELY BE PROVIDED TO THE CONSULTANT PRIOR TO START UNDERTAKING ANY MUNICIPAL SERVICES WORK ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (IE. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.

THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT FOR CONSTRUCTION PURPOSES.

THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL WORK AND ACTIVITIES WITH ADJACENT PROPERTY OWNERS AND OCCUPANTS.

THE CONTRACTOR IS THE ONLY PERSON IN CHARGE OF SAFETY ON THE BUILDING SITE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION OF THE WORKERS, OTHER TRAFFIC AND THE PUBLIC FROM ALL TYPES OF HAZARDOUS CONDITIONS. AS WELL AS MAINTAINING IN GOOD CONDITION THE COMPLETED WORKS AND WORKS TO BE COMPLETED. THE CONTRACTOR MUST PROVIDE FOR AT ANY TIME:

- a. SUFFICIENT NUMBER OF FENCES, BARRIERS, POSTERS, GUARDS AND OTHERS TO ENSURE SAFETY;
- b. NECESSARY CONVENIENCES FOR THE COMPLETION OF WORK SUCH AS HEATING, LIGHTING, VENTILATION ETC.

THE CONTRACTOR IS RESPONSIBLE TO OBTAIN THE VARIOUS PERMITS/APPROVALS REQUIRED TO COMPLETE ALL THE WORKS AND ACTIVITIES AND BEAR COST OF THE SAME, SUCH AS BUT NOT LIMITED TO: ROAD CUT PERMITS, SEWER PERMITS, WATER PERMIT, ETC. AND THEIR ASSOCIATED COSTS.

ALL ELEVATIONS ARE GEODEOTIC AND UTILIZE METRIC UNITS.

JOB BENCH MARK - CONFIRM WITH PARSONS PRIOR TO UTILIZATION. THE CONTRACTOR MUST SET UP JOB BENCH MARKS AND VERIFICATION POINTS. IF OTHER REFERENCES ARE USED, THEY WILL BE REPOSITIONED BY A CERTIFIED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND LOW POINTS EXCEPT WHERE IMPROVED SLOPE OR CATCH BASIN DETAILS ARE REQUIRED.

GRAVEL WATERWAY - GRADING AND CONSTRUCTION OF WATERWAYS, DEWATERING OF EXCAVATIONS COMPLETED BE REQUIRED. IT IS ASSUMED THAT GROUNDWATER MAY BE CONTROLLED BY PUMP AND PUMPING METHODS. THE CONTRACTOR SHALL OBTAIN A PERMIT TO TAKE WATER IF SITE DRAINAGE IS INSUFFICIENT TO REMOVE EXCESS WATER.

STRIP AND REMOVE ALL TOPSOIL FROM IMPROVED AREAS. SITE PREPARATION INCLUDES CLEARING, GRUBBING, STRIPPING OF TOPSOIL, DEMOLITION, REMOVAL OF UNSUITABLE MATERIALS, AND BACKFILL TO RECEIVE FINISHED SURFACES.

AFTER FINISHING PROPERTY GRADE TO BE MATCHED.

ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE TO PREVENT ROUNDOFF OF PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 300mm MINIMUM.

CURBS TO BE BARRIER, CONSTRUCTED AS PER OPSS 600.110, EXCEPT WHERE INDICATED OTHERWISE. ELEVATION AT TOP OF CONCRETE CURBS TO BE 150 mm ABOVE THE ASPHALT, UNLESS OTHERWISE INDICATED.

DEPRESSIONED CURBS TO BE MOUNTABLE, CONSTRUCTED AS PER OPSS 600.100.

LIGHT DUTY AND HEAVY DUTY ASPHALT PAVEMENTS TO BE CONSTRUCTED AS PER TABLE ON DRAWING.

TRANSITION BETWEEN EXISTING AND PROPOSED PAVEMENT SHALL BE CONSTRUCTED AS PER DETAIL D3 ON DRAWING G104.

THE CONTRACTOR SHALL MAINTAIN STRUCTURE AND SURFACES ON EXISTING ROADS TO CONDITION AT LEAST EQUAL TO ORIGINAL AND TO THE SATISFACTION OF THE CITY AUTHORITIES.

CLEANLINESS ON THE SITE, INCLUDES THE CONTRACTOR SHALL CLEAN ROADWAYS AT HIS OWN COST AS DIRECTED BY THE OWNER'S REPRESENTATIVE. MATERIALS AND EQUIPMENT MUST BE LAID OUT IN AN ORGANIZED MANNER. EXCESS MATERIALS, WASTE, DEBRIS AND TEMPORARY STRUCTURES WHICH ARE NO LONGER NECESSARY FOR THE EXECUTION OF THE CONTRACT MUST BE REMOVED FROM THE SITE.

CONTRACTOR SHALL IMPLEMENT MITIGATION MEASURES ARE IMPLEMENTED TO REDUCE THE RISK OF GROUND CONTAMINATION FROM PETROLEUM PRODUCTS.

THE CONTRACTOR MUST ENSURE THE FOLLOWING MEASURES ARE IMPLEMENTED REGARDING THE HANDLING OF SPILLS:

- a. CONCRETE SHOULD EITHER BE MIXED AWAY FROM THE SITE OR SHOULD BE PREPARED ON PAVED SURFACES IF ONLY SMALL QUANTITIES ARE REQUIRED (IE. MINOR REPAIRS);
- b. EXCESSIVE CONCRETE MUST BE DISPOSED OFF-SITE AT A LOCATION THAT MEETS ALL REGULATORY REQUIREMENTS;
- c. THE WASHING OF CONCRETE TRUCKS AND OTHER EQUIPMENT USED FOR MIXING CONCRETE SHOULD NOT BE CARRIED OUT WITHIN 30 METERS OF A WATERCOURSE OR WETLAND AND MUST TAKE PLACE OFF SITE;
- d. ALL CONCRETE TRUCKS SHOULD COLLECT THEIR WASH WATER AND RECYCLE IT BACK INTO THEIR TRUCKS FOR DISPOSAL OFF-SITE AT A LOCATION MEETING ALL REGULATORY REQUIREMENTS.

THE CONTRACTOR SHALL ENSURE THAT ALL EXCAVATED SURPLUS MATERIALS THAT WILL BE REQUIRED TO BE DISPOSED OFFSITE BE STOCKPILED TEMPORALLY FOR SAMPLING PRIOR BEING REMOVED FROM THE SITE.

MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.

TRENCHING, BACKFILLING AND COMPACTING MUST CONFORM TO OPSS 401.

Dewatering of pipeline, utility and associated structural excavations to be completed as per OPSS 401.

THE CONTRACTOR MUST CONTROL SURFACE RUNOFF FROM PRECIPITATION DURING CONSTRUCTION.

FOR ALL TECHNICAL WORK, CONTRACTOR TO REFER TO "GEOTECHNICAL INVESTIGATION, PROPOSED DEVELOPMENT, 1867 ALVA VISTA DRIVE, OTTAWA, ONTARIO, BY PATENSGROUP.DATED: APRIL 22, 2025, PG7401-1"

ALL EXISTING SURPLUS EXCAVATED MATERIAL UNLESS OTHERWISE DIRECTED FROM THE ENGINEER, EXCAVATE AND REMOVE ALL ORGANIC MATERIAL AND DEBRIS LOCATED WITHIN THE PROPOSED BUILDING, PARKING AND ROADWAY LOCATIONS.

FOR ALL EXCAVATIONS, THE CONTRACTOR SHALL BACKFILL AND REINSTATEMENT OFF ALL AREAS, DISTURBED DURING CONSTRUCTION TO EXISTING CONDITIONS OR BETTER AND ALL

ASSOCIATED WORKS TO THE SATISFACTION OF THE CONSULTANT AND MUNICIPAL AUTHORITIES ASHAPAT REINSTATEMENT MUST BE IN ACCORDANCE WITH OPSS 310.0 LANDSCAPE AREAS TO BE REINSTATEMENT WITH 150mm OF FERTILIZED TOPSOIL TO BE APPLIED TO THE REINSTATEMENT AREA DURING THE REINSTATEMENT PERIOD. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING TEMPORARY TRAFFIC SIGNAGE, INCLUDING TRAFFIC SIGNS, TRAFFIC MARKINGS AND TEMPORARY TRAFFIC LIGHTS, AND FLAGMEN, AS REQUIRED BY THE OWNER, THE CONSULTANT, AND THE MUNICIPALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE CONSTRUCT SIDEWALK EXPANSION JOINTS & CONTROL JOINTS AS PER OPSS 310.020. CONSTRUCT CONCRETE SIDEWALK AS PER OPSS 310.020 AND OPSS 351.0 TACTILE WALKING SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF DISPOSE OF CONTAMINATED MATERIALS AT APPROPRIATE OFF-SITE FACILITY THAT MEETS ALL REGULATORY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEAN UP, AND DISPOSAL OF SPILLS OR RELEASES THAT MAY OCCUR WHETHER ON LAND OR WATER. MAINTAIN MATERIALS AND EQUIPMENT REQUIRED FOR CLEANUP OF SPILLS OR RELEASES READILY ACCESSIBLE ON SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP OF SPILLS OR RELEASES CAUSING DAMAGE TO ENVIRONMENT TO AUTHORITY HAVING JURISDICTION ON INTEREST IN SPILL OR RELEASE INCLUDING CONSERVATION AUTHORITY, WATER SUPPLY AUTHORITIES, DRAINAGE AUTHORITY, ROAD AUTHORITY, AND FIRE DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF DECONTAMINATE EQUIPMENT AFTER WORKING IN POTENTIALLY CONTAMINATED WORK AREAS AND PRIOR TO SUBSEQUENT WORK OR TRAVEL ON CLEAN AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF MATERIALS THAT MAY HAVE COME IN CONTACT WITH POTENTIALLY CONTAMINATED MATERIAL, OFF SITE OR TO MUNICIPAL SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUBMIT A TRAFFIC MANAGEMENT PLAN FOR APPROVAL ONE (1) WEEK PRIOR TO ANY WORK WITHIN THE ROAD LIMITS TO MEET THE REQUIREMENTS OF THE MTO BOOK 7. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT ALL REQUIREMENTS OF THE MTO BOOK 7. THE CITY OF OTTAWA WILL BE DEPENDANT TO BE COORDINATE ALL MINIMUMS PRIOR TO ANY ADDITIONAL CONNECTION TO EXISTING SEWERS, WATER MAINS, GUTTER, AND WATERMAIN. CONNECTION TO EXISTING TO TAKE PLACE IN THE PRESENCE OF APPROPRIATE CITY OF OTTAWA STAFF.

THREE (3) ENTRANCES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD DETAIL SC7.1.

TOPOGRAPHIC SURVEY COMPLETED BY ANNIS O'SULLIVAN
VOLLEBEKK LTD. ON JUNE 26th, 2025. ELEVATIONS SHOWN
ARE GEODETIC AND ARE REFERRED TO THE CGVD-28
GEODETIC DATUM.

SITE BENCHMARK No.1 LOCATED AT HYDRANT AT EXISTING
ENTRANCE ALONG ALTA VISTA DRIVE. FIRE HYDRANT TOP C
SPINDLE = 73.83

[illegible]

1223 Michael Street, Suite 100, Ottawa, Ontario, Canada K1J 7T2
Tel: (613) 738-4160 Fax: (613) 739-7105

CLIENT

TCU DEVCORP

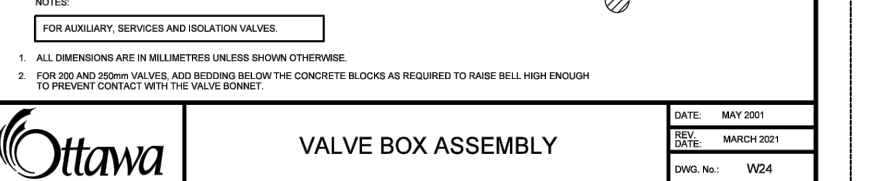
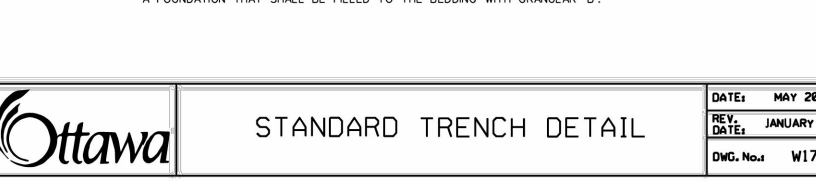
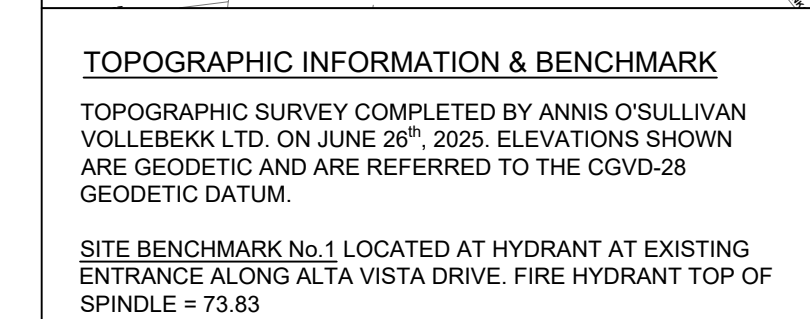
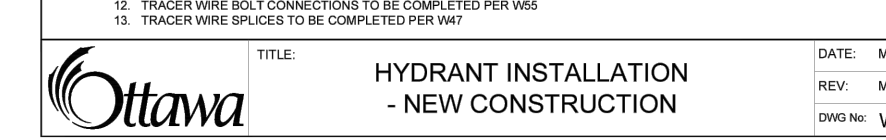
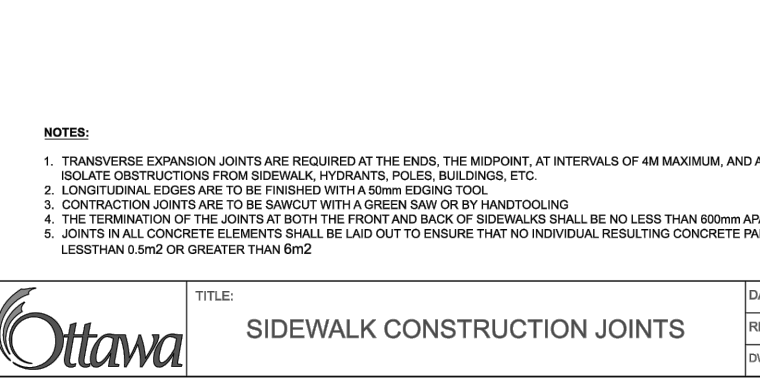
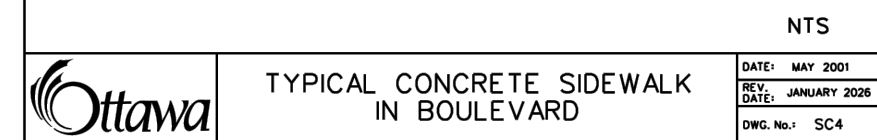
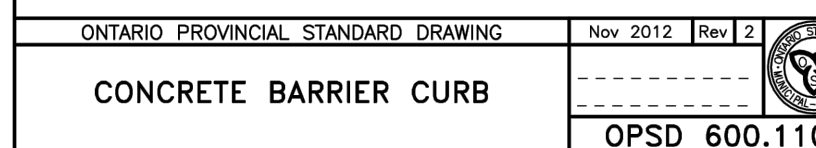
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1867 ALTA VISTA DRIVE
OTTAWA, ONTARIO

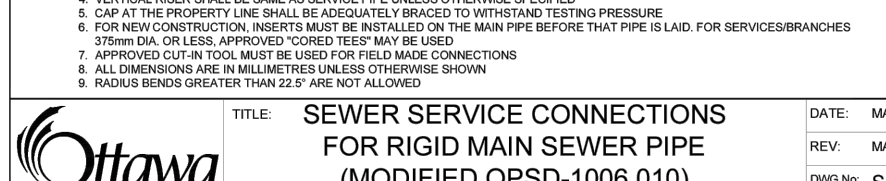
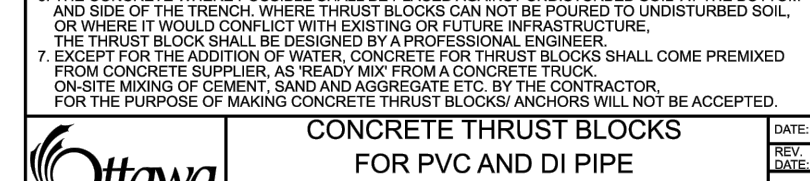
GENERAL NOTES

DESIGNED BY	T.H.	PROJECT NO.		479542
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CHECKED BY	M.M.			
DATE	JUNE 2026			
SCALE		DRAWING NO.	DRAWING	

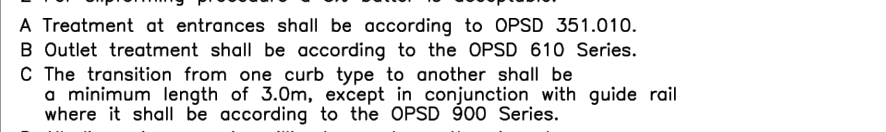
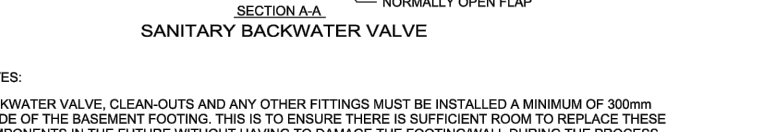
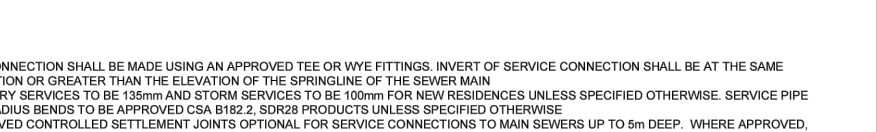
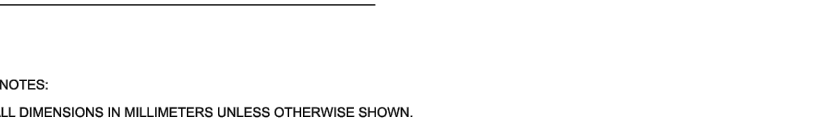
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1867 ALTA VISTA DRIVE OTTAWA, ONTARIO			
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THE TABLES APPLY TO BOTH DUCTILE IRON AND PVC. WHERE ONE LENGTH EXCEEDED THE OTHER THE LONGER LENGTH WAS USED. DIMENSIONS MAY BE ADJUSTED SO LONG AS THE BEARING SURFACE AREA OF THE THRUST BLOCK IS NOT REDUCED. TO BE USED IN CONJUNCTION WITH W254.	THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER	DATE: MAY 2001 REV: DATE: JAN 2008 DWG. NO: W25.4



02	2028-06-30		ISSUED FOR SPA	T.H.
01	2025-12-17		ISSUED FOR OPAZBA	T.H.
No.	DATE		DESCRIPTION	BY
REVISIONS				



PROJECT

TITLE	
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DETAILS PAGE 2

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T.H.	479542
DRAWN BY R G	

CHECKED BY	M.M.	C-111	DET2
DATE			

DATE	JUNE 2026		
SCALE	N T S		

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