

NOTES: GENERAL

- 1. DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS
2. ALL SERVICES, MATERIALS, CONSTRUCTION METHODS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND REGULATIONS OF THE CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS, ONTARIO PROVINCIAL SPECIFICATION STANDARD SPECIFICATION (OPSS) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD), UNLESS OTHERWISE SPECIFIED, TO THE SATISFACTION OF THE CITY AND THE CONSULTANT
3. THE POSITION OF EXISTING POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES, STRUCTURES AND APPURTENANCES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SATISFY HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM DURING THE COURSE OF CONSTRUCTION. ANY RELOCATION OF EXISTING UTILITIES REQUIRED BY THE DEVELOPMENT OF SUBJECT LANDS IS TO BE UNDERTAKEN AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST NOTIFY ALL EXISTING UTILITY COMPANY OFFICIALS FIVE (5) BUSINESS DAYS PRIOR TO START OF CONSTRUCTION AND HAVE ALL EXISTING UTILITIES AND SERVICES LOCATED IN THE FIELD OR EXPOSED PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO HYDRO, BELL, CABLE TV, AND CONSUMERS GAS LINES.
5. ALL TRENCHING AND EXCAVATIONS TO BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS AND AS PER THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL REPORT.
6. REFER TO ARCHITECTS PLANS FOR BUILDING DIMENSIONS, LAYOUT AND REMOVALS. REFER TO LANDSCAPE PLAN FOR LANDSCAPED DETAILS AND OTHER RELEVANT INFORMATION. ALL INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. TOPOGRAPHIC SURVEY COMPLETED AND PROVIDED BY FARLEY, SMITH & DENIS SURVEYING LTD DATED ON AUGUST 19, 2021. CONTRACTOR TO VERIFY IN THE FIELD PRIOR TO CONSTRUCTION OF ANY WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
8. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS. VERIFY THAT JOB BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED.
9. ALL GROUND SURFACES SHALL BE EVENLY GRADED WITHOUT PONDING AREAS AND WITHOUT LOW POINTS EXCEPT WHERE APPROVED SWALE OR CATCH BASIN OUTLETS ARE PROVIDED.
10. ALL EDGES OF DISTURBED PAVEMENT SHALL BE SAW CUT TO FORM A NEAT AND STRAIGHT LINE PRIOR TO PLACING NEW PAVEMENT. PAVEMENT REINSTATEMENT SHALL BE WITH STEP JOINTS OF 500mm WIDTH MINIMUM.
11. ALL DISTURBED AREAS OUTSIDE PROPOSED GRADING LIMITS TO BE RESTORED TO ORIGINAL ELEVATIONS AND CONDITIONS UNLESS OTHERWISE SPECIFIED. ALL RESTORATION SHALL BE COMPLETED WITH THE GEOTECHNICAL REQUIREMENTS FOR BACKFILL AND COMPACTION.
12. ABUTTING PROPERTY GRADES TO BE MATCHED UNLESS OTHERWISE SHOWN.
13. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE MUNICIPAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.
14. MINIMIZE DISTURBANCE TO EXISTING VEGETATION DURING THE EXECUTION OF ALL WORKS.
15. REMOVE FROM SITE ALL EXCESS 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.
16. AT PROPOSED UTILITY CONNECTION POINTS AND CROSSINGS (I.E. STORM SEWER, SANITARY SEWER, WATER, ETC.) THE CONTRACTOR SHALL DETERMINE THE PRECISE LOCATION AND DEPTH OF EXISTING UTILITIES AND REPORT ANY DISCREPANCIES OR CONFLICTS TO THE ENGINEER BEFORE COMMENCING WORK.
17. CONTRACTOR TO OBTAIN POST-CONSTRUCTION TOPOGRAPHIC SURVEY, COMPLETED BY OLS OR FENG, CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONDITIONS FROM THOSE INCLUDED IN REPORT.
19. REPORT REFERENCES
I. SERVICING REPORT, PREPARED BY WSP CANADA INC, PROJ. NO.211-12127-00, FEBRUARY 27, 2023.
II. STORMWATER MANAGEMENT REPORT, PREPARED BY WSP CANADA INC, PROJ. NO. 211-12127-00, FEBRUARY 27, 2023
III. GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY PINCHIN LTD, PINCHIN FILE: 296551.001, OCTOBER 26, 2022

NOTES: EROSION AND SEDIMENT CONTROL

** CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION, MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES, AND MEETING ASSOCIATED LEED REQUIREMENT **

- 1. PRIOR TO START OF CONSTRUCTION:
1.1. INSTALL SILT FENCE IN LOCATION SHOWN ON DWG C08.
1.2. INSTALL FILTER FABRIC OR SILT SACK FILTERS IN ALL THE CATCHBASINS AND MANHOLES TO REMAIN DURING CONSTRUCTION WITHIN THE SITE (SEE TYPICAL DETAIL).
1.3. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.
2. DURING CONSTRUCTION:
2.1. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE AND IMPACTS TO EXISTING GRADING.
2.2. PERIMETER VEGETATION TO REMAIN IN PLACE UNTIL PERMANENT STORM WATER MANAGEMENT IS IN PLACE. OTHERWISE, IMMEDIATELY INSTALL SILT FENCE WHEN THE EXISTING SITE IS DISTURBED AT THE PERIMETER.
2.3. PROTECT DISTURBED AREAS FROM OVERLAND FLOW BY PROVIDING TEMPORARY SWALES TO THE SATISFACTION OF THE FIELD ENGINEER. TIE-IN TEMPORARY SWALE TO EXISTING CB'S AS REQUIRED.
2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR MULCHING IF DISTURBED AREA WILL NOT BE REHABILITATED WITHIN 30 DAYS.
2.5. INSPECT SILT FENCES, FILTER FABRIC FILTERS AND CATCH BASIN SUMPS WEEKLY AND WITHIN 24 HOURS AFTER A STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY.
2.6. DRAWING TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
2.7. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE OR ONE WHICH IS TO BE PAVED BEFORE THE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (LONGER THAN 30 DAYS).
2.8. CONTROL WIND-BLOWN DUST OFF SITE BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED AND TO THE SATISFACTION OF THE ENGINEER).
2.9. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
2.10. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
2.11. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
2.12. ANY MUDWATER, TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
2.13. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
2.14. 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.
2.15. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

NOTES: WATERMAIN

- 1. ALL WATERMAIN AND WATERMAIN APPURTENANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMANS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED. WHERE WATERMANS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
4. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 & W25.4.
5. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
6. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
7. FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W19 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
8. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

NOTES: SANITARY SEWER AND MANHOLES

- 9. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING. PROVIDE DYE TESTING FOR NEW SERVICES.
10. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA 5-182.2,3,4.
11. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
12. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021.
13. ANY SANITARY SEWER WITH LESS THAN 2.5m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.
14. COVERS FOR SANITARY MAINTENANCE HOLES SAMH08 AND SAMH10 LOCATED IN PROPOSED PONDING AREAS ARE TO BE WATERTIGHT.

NOTES: PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

- 1. CONTRACTOR TO REINSTATE ROAD CUTS AS PER CITY OF OTTAWA DETAIL R10. ROAD CUTS EXTENDING INTO THE ROADWAY SHALL BE REINSTATED ACROSS THE ENTIRETY OF THE LAST IMPACTED LANE.
2. CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.
3. FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.
4. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
5. GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR B PLACEMENT.
6. CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
7. ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL CONSULTANT OF GRANULAR A PLACEMENT.
8. CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL CONSULTANT. CONTRACTOR TO PROVIDE CONSULTANT WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL CONSULTANT THAT THE MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.
9. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE CONSULTANT WITH VERIFICATION PRIOR TO PLACEMENT.
10. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY CONSULTANT. CONSULTANT TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.
11. PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESS) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

NOTES: STORM SEWERS AND STRUCTURES

- 15. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
16. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
17. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
18. ALL STORM MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.1.
19. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER. ADD INSULATION ABOVE EXISTING STORM SEWER BETWEEN EXISTING CBM101 AND CB1.
20. CB IN LANDSCAPE AREAS SHALL BE AS PER CITY OF OTTAWA STANDARD S31.
21. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
22. ALL CATCHBASIN AT THE HARDSCAPE TO BE INSTALLED WITH SUBDRAINS AT ALL SIDES. SUBDRAINS TO BE EXTENDED 3.0m FROM THE CATCHBASIN.
23. STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBM'S AS INDICATED IN TABLE WITH SUMP AND FRAME/COVER AS PER OPSD 401.010 TYPE B. SANITARY MHS AS PER OPSD 701.010 TYPE A BASE WITH BENCHING, AND FRAME/COVER AS PER OPSD 401.010 TYPE A. ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
24. INSTALLATION OF FLOW CONTROL IC'D'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

NOTES: SERVICES LATERALS

- 25. NO SERVICE LATERALS ARE TO BE DIRECTLY CONNECTED TO A MANHOLE.
26. BACKWATER VALVES FOR SERVICES ARE TO BE PROVIDED AS PER CITY OF OTTAWA STANDARD S14, S14.1 AND S14.2.
27. SERVICE LATERALS THAT HAVE INSUFFICIENT COVER ARE TO BE THERMAL INSULATED AS PER CITY OF OTTAWA STANDARD W22.
28. SERVICE LATERALS IN PROXIMITY TO OPEN STRUCTURES ARE TO BE INSULATED AS PER CITY OF OTTAWA STANDARD W23.
29. SIZE FOR THE TOWNHOUSE SERVICE LATERALS
STM: 100mmØ
SAN: 135mmØ
WAT: 100mmØ
30. REFER TO DRAWING C05 FOR SERVICE LATERAL LOCATION FOR TOWNHOUSE.

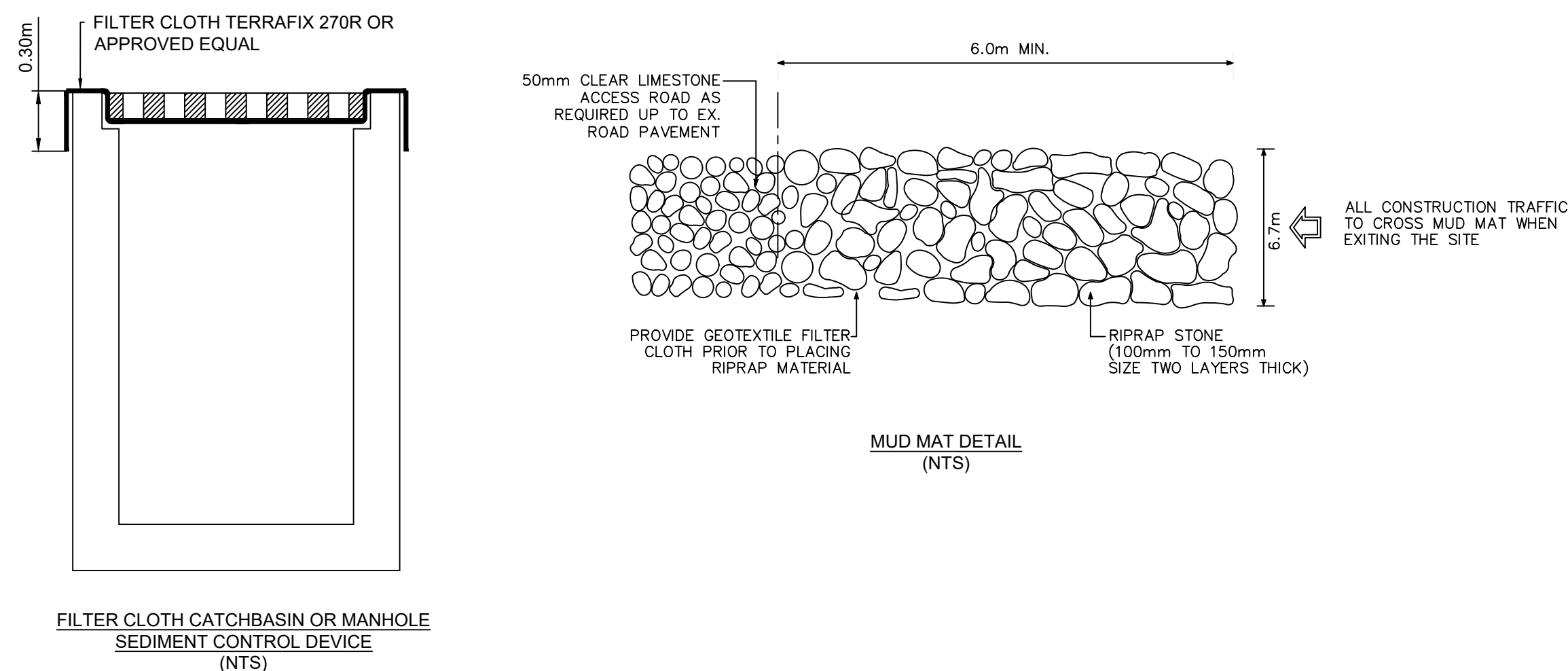
PAVEMENT STRUCTURE - ACCESS ROADWAYS

Table with 3 columns: COURSE, MATERIAL, THICKNESS. Rows include SURFACE (HL-3 (OPSS 1150) 40mm), BINDER (HL-4 (OPSS 1150) 40mm), BASECOURSE (OPSS GRANULAR 'A' 150mm), SUBBASE (OPSS GRANULAR 'B' TYPE I 450mm).

PAVEMENT STRUCTURE - PARKING AREAS

Table with 3 columns: COURSE, MATERIAL, THICKNESS. Rows include SURFACE (HL-3 (OPSS 1150) 40mm), BINDER (HL-4 (OPSS 1150) 50mm), BASECOURSE (OPSS GRANULAR 'A' 150mm), SUBBASE (OPSS GRANULAR 'B' TYPE II 300mm).

*NOTE: REFER TO THE GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY PINCHIN LTD, FILE: 296551.001, NOVEMBER 30, 2021



EXISTING LEGEND:

- EXISTING BOUNDARY
ST EXISTING STORM SEWER
S EXISTING SANITARY SEWER
W EXISTING WATERMAIN
H EXISTING HYDRO
TV EXISTING TV CABLE
G EXISTING GAS LINE
B EXISTING BELL
O EXISTING ST/MSAN MANHOLE
C EXISTING CATCHBASIN
F EXISTING FIRE HYDRANT
V EXISTING V&V
V EXISTING VALVE CHAMBER
T EXISTING TREES
B EXISTING BUILDING
E EXISTING ELEVATION

REMOVAL LEGEND:

- W EXISTING WATERMAIN REMOVAL
S EXISTING SANITARY SEWER REMOVAL
ST EXISTING STORM SEWER REMOVAL
C EXISTING CATCH BASIN REMOVAL
F EXISTING SANITARY MANHOLE REMOVAL
L EXISTING LIGHT POLE REMOVAL
X EXISTING ROAD SIGN REMOVAL
A EXISTING ASPHALT REMOVAL
B EXISTING BUILDING REMOVAL

ESC LEGEND:

- MUD MAT
SILK SACK
FILTER CLOTH

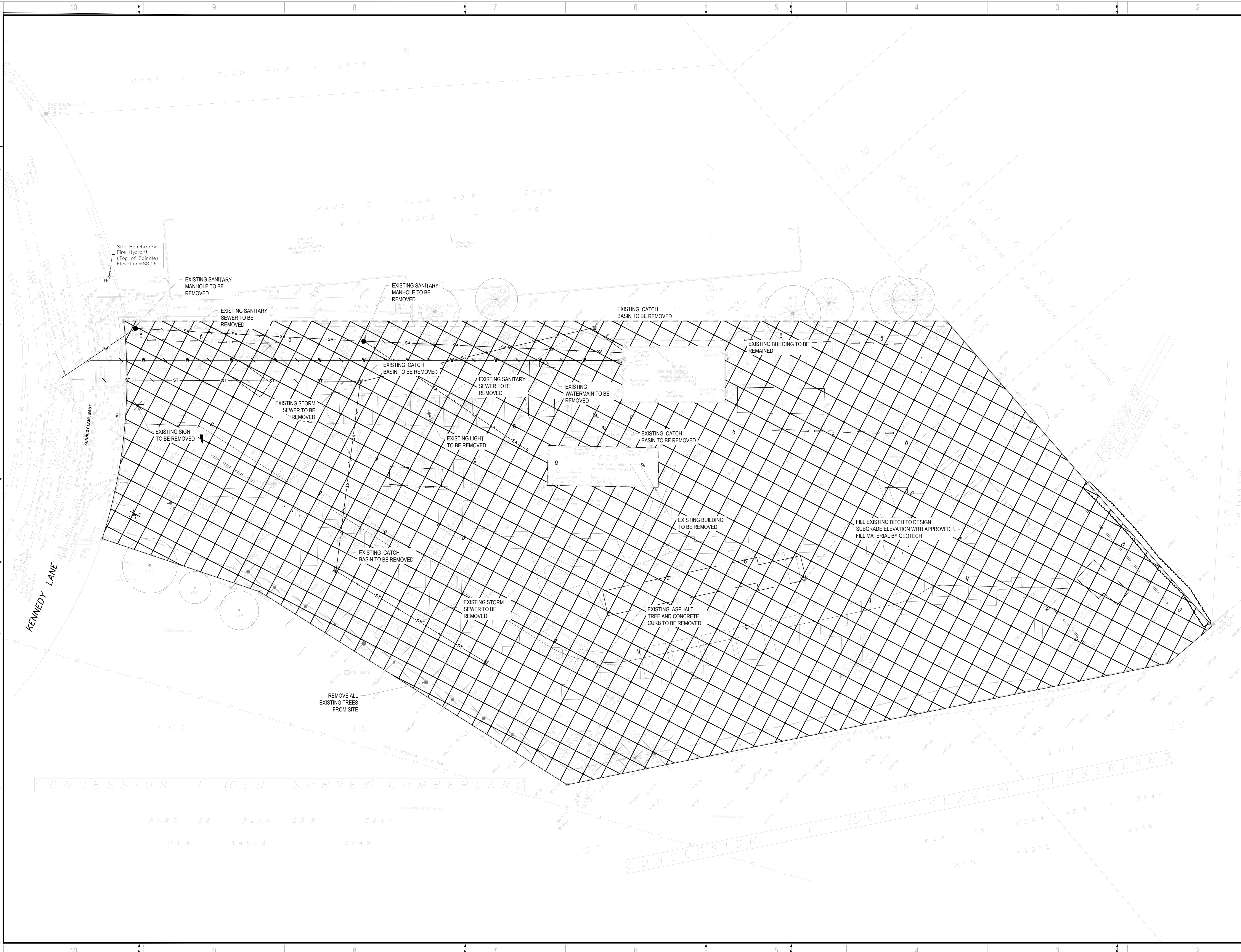
DRAINAGE AREA PLAN LEGEND:

- STORM DRAINAGE BOUNDARY
ID DENOTES WATERSHED NAME
A DENOTES AREA IN HECTARES
C DENOTES RUNOFF COEFFICIENT

PROPOSED LEGEND:

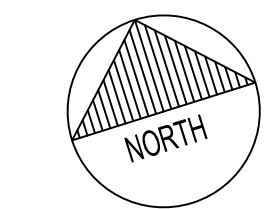
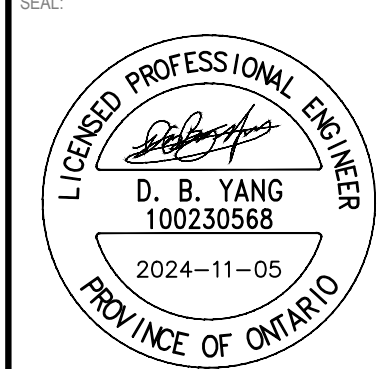
- PROPOSED BOUNDARY
ST PROPOSED STORM SEWER
SA PROPOSED SANITARY SEWER
W PROPOSED WATERMAIN
SD PROPOSED SUB DRAIN
C PROPOSED CATCHBASIN MANHOLE
CB PROPOSED CATCHBASIN
SM PROPOSED STORM MANHOLE
SMH PROPOSED SANITARY MANHOLE
D PROPOSED DRAINAGE FLOW DIRECTION
100 YR 100 YEAR PONDING LIMIT
100 YR 100 YEAR +20% PONDING LIMIT
TERR PROPOSED TERRACING (3:1 MAX)
CL PROPOSED CENTERLINE OF SWALE
E EXISTING ELEVATION
S SWALE ELEVATION
SLOPE PROPOSED SLOPE
SL COMBINED SERVICE LATERAL LOCATION (STM AND SAN)
SL SINGLE SERVICE LATERAL LOCATION (STM AND SAN)
R VALVE REDUCING VALVE
FH PROPOSED FIRE HYDRANT
V VALVE AND VALVE BOX
VM PROPOSED VALVE AND VALVE CHAMBER
M PROPOSED REMOTE METER
M METER
SC SIAMSE CONNECTION
O OVERLAND MAJOR FLOW ROUTE
G GRASS AREAS
P PROPOSED INTERLOCK PAVING
R FIRE ROUTE
F.F. FINISHED FLOOR ELEVATION
T.F. TOP OF FOUNDATION ELEVATION
U.F. UNDERSIDE OF FOOTING ELEVATION
B PROPOSED BUILDING
T PROPOSED TREES
T PROPOSED TREES
B PROPOSED BUILDING ENTRANCE

Project information block containing logos for WSP and KPMB ARCHITECTS, client information for KINDRED WORKS and QUEENSWOOD COMMONS, a site plan, a revision table, and sheet details including sheet number C01 and title RE-ISSUED FOR SPA AND ZBLA.



2011 QUEENSWOOD DR.
OTTAWA, ONTARIO
CANADA K2B 9K2
T: 613-829-2800
F: 613-829-8299
WWW.WSP.COM

ARCHITECT:
KPMB ARCHITECTS
351 KING STREET EAST, SUITE 1200
TORONTO, ONTARIO
CANADA M5A 8J6
T: 416-977-5104



CLIENT:
KINDRED WORKS

CLIENT REF #
PROJECT:
QUEENSWOOD COMMONS



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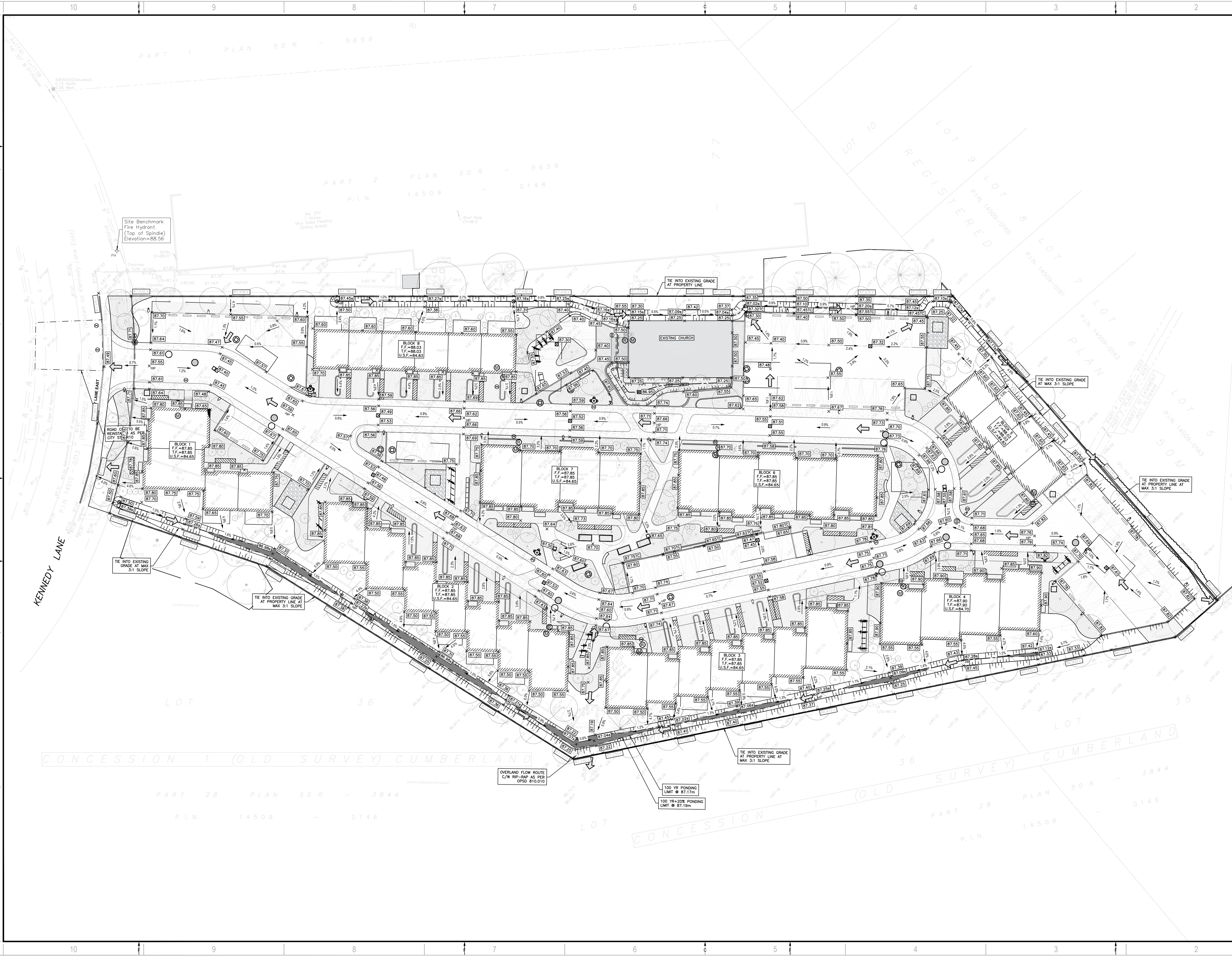
ISSUED FOR - REVISION	DATE	DESCRIPTION
4	2024-11-05	RE-ISSUED FOR SPA AND ZBLA
3	2023-02-28	RE-ISSUED FOR SPA AND ZBLA
2	2022-10-14	RE-ISSUED FOR SPA AND ZBLA
1	2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO: 211-12127-00	DATE: NOVEMBER 2024
ORIGINAL SCALE: 1:300	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTING SCALE.
DESIGNED BY: DY	
DRAWN BY: JT	
CHECKED BY: DY	

DISCIPLINE: CIVIL	
TITLE: REMOVAL PLAN	
SHEET NUMBER: C03	
SHEET #: 3 OF 8	
ISSUE: RE-ISSUED FOR SPA AND ZBLA	REV #: 0
DATE OF: 2024-11-05	

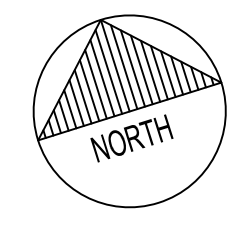
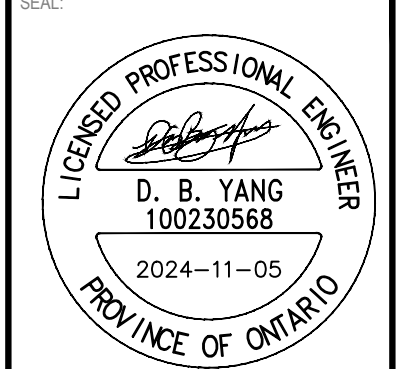
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D07-12-22-0002



2011 QUEENSWOOD DR.
OTTAWA, ONTARIO
CANADA K2B 9K2
T: 613-829-2800
F: 613-829-8299
WWW.WSP.COM

ARCHITECT:
KPMB ARCHITECTS
351 KING STREET EAST, SUITE 1200
TORONTO, ONTARIO
CANADA M5A 9L5
T: 416-977-5104



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IS	RE	DATE	DESCRIPTION
4		2024-11-05	RE-ISSUED FOR SPA AND ZBLA
3		2023-02-28	RE-ISSUED FOR SPA AND ZBLA
2		2022-10-14	RE-ISSUED FOR SPA AND ZBLA
1		2021-11-30	ISSUED FOR SPA AND ZBLA

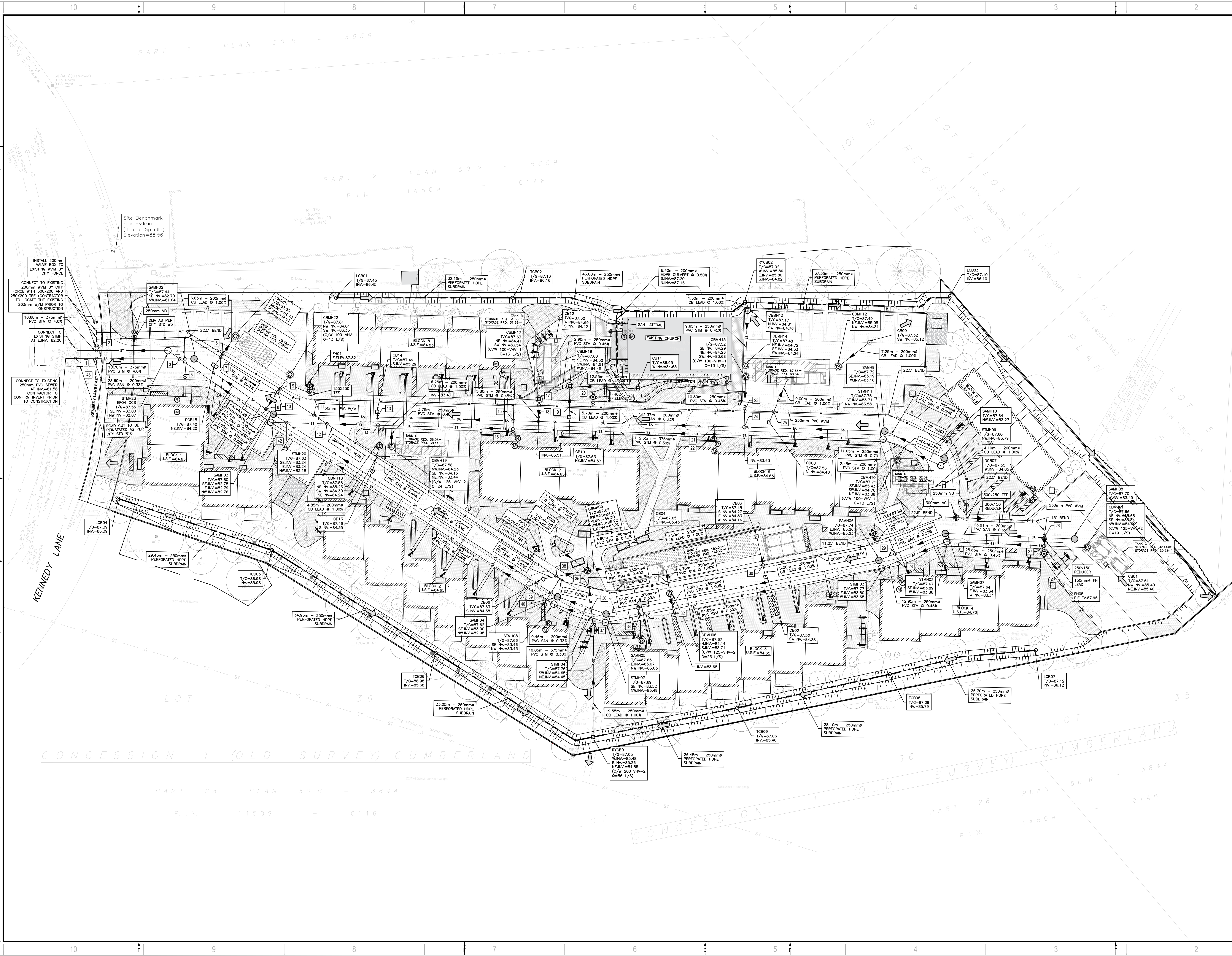
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DISCIPLINE: CIVIL	

TITLE: GRADING PLAN
SHEET NUMBER: C04
SHEET #: 4 OF 8
ISSUE: RE-ISSUED FOR SPA AND ZBLA
DATE OF: 2024-11-05
REV #: 0

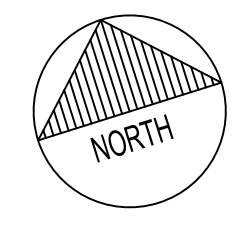
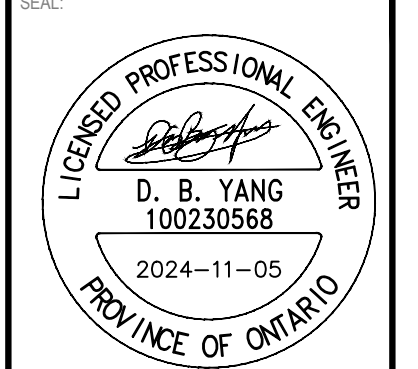
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ISSUED FOR - REVISION	NO.	DATE	DESCRIPTION
	4	2024-11-05	RE-ISSUED FOR SPA AND ZBLA
	3	2023-02-28	RE-ISSUED FOR SPA AND ZBLA
	2	2022-10-14	RE-ISSUED FOR SPA AND ZBLA
	1	2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO.	DATE
211-12127-00	NOVEMBER 2024

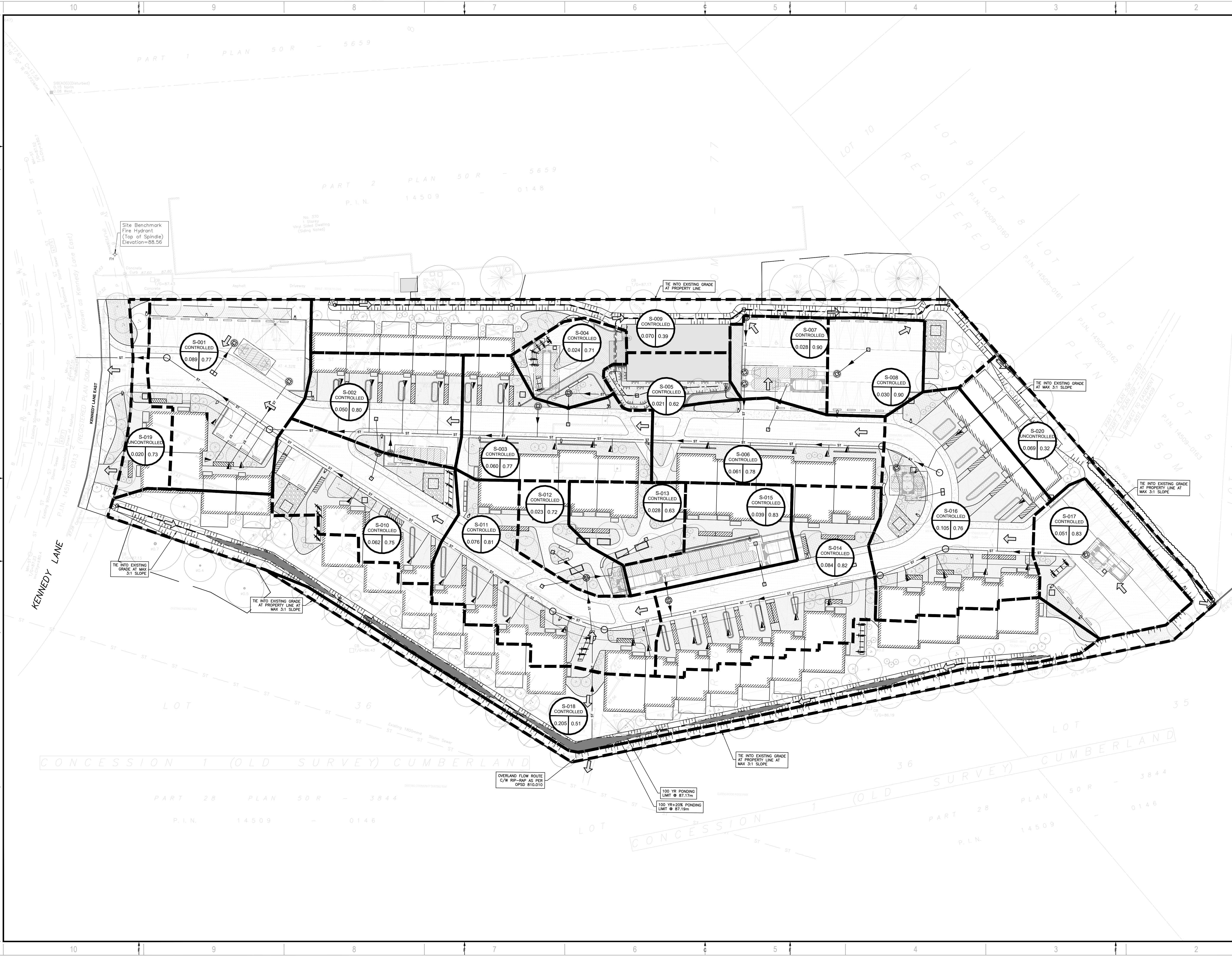
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DY	JT	DY	CIVIL	SERVICING PLAN

SHEET NUMBER	ISSUE	DATE	REV #
C05	RE-ISSUED FOR SPA AND ZBLA	2024-11-05	0

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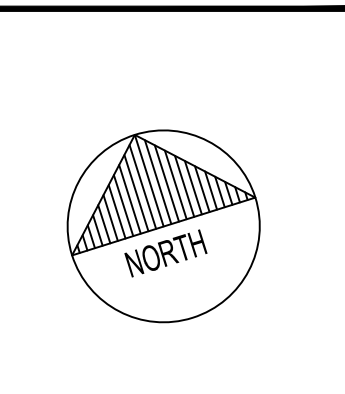
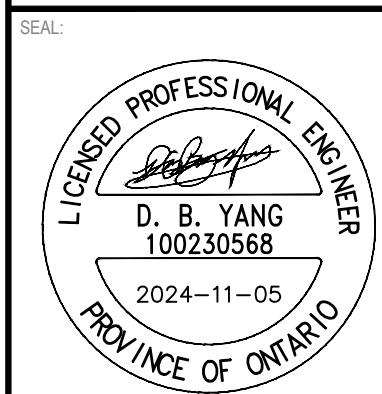
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2011 QUEENSWOOD DR.
OTTAWA, ONTARIO
CANADA K2B 9K2
T: 613-829-2800
F: 613-829-8299
WWW.WSP.COM

ARCHITECT:
KPMB ARCHITECTS
351 KING STREET EAST, SUITE 1200
TORONTO, ONTARIO
CANADA M5A 9L5
T: 416-977-5104



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2		2022-10-14	RE-ISSUED FOR SPA AND ZBLA
1		2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO:
211-12127-00

ORIGINAL SCALE:
1:300

DESIGNED BY:
DY

DRAWN BY:
JT

CHECKED BY:
DY

DISCIPLINE:
CIVIL

DATE:
NOVEMBER 2024

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TITLE:
DRAINAGE AREA PLAN

SHEET NUMBER:
C06

SHEET #:
6 OF 8

ISSUE:
RE-ISSUED FOR SPA AND ZBLA

DATE OF:
2024-11-05

REV #:
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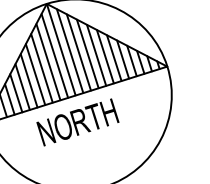
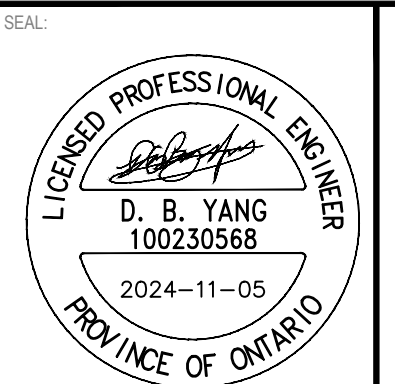
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CANADA K2B 9K2
T: 613-829-2800
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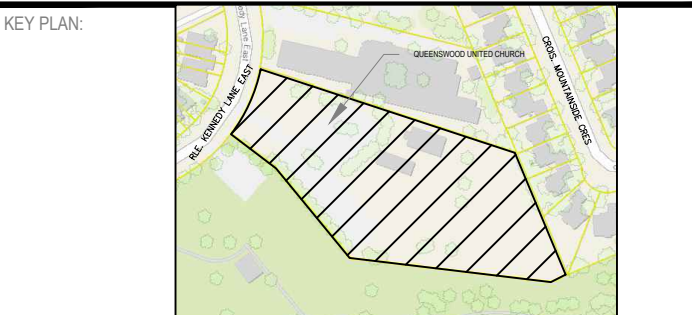
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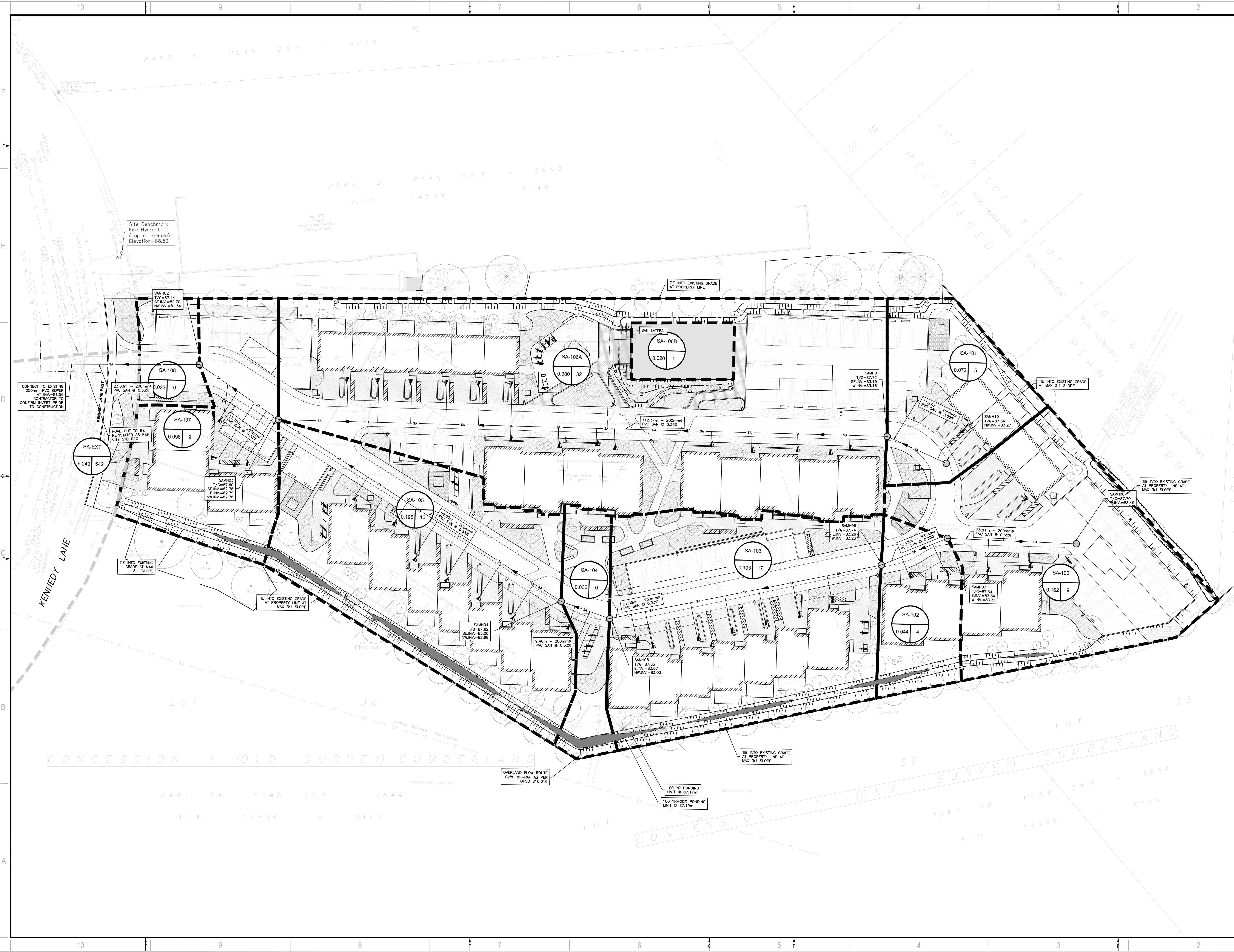


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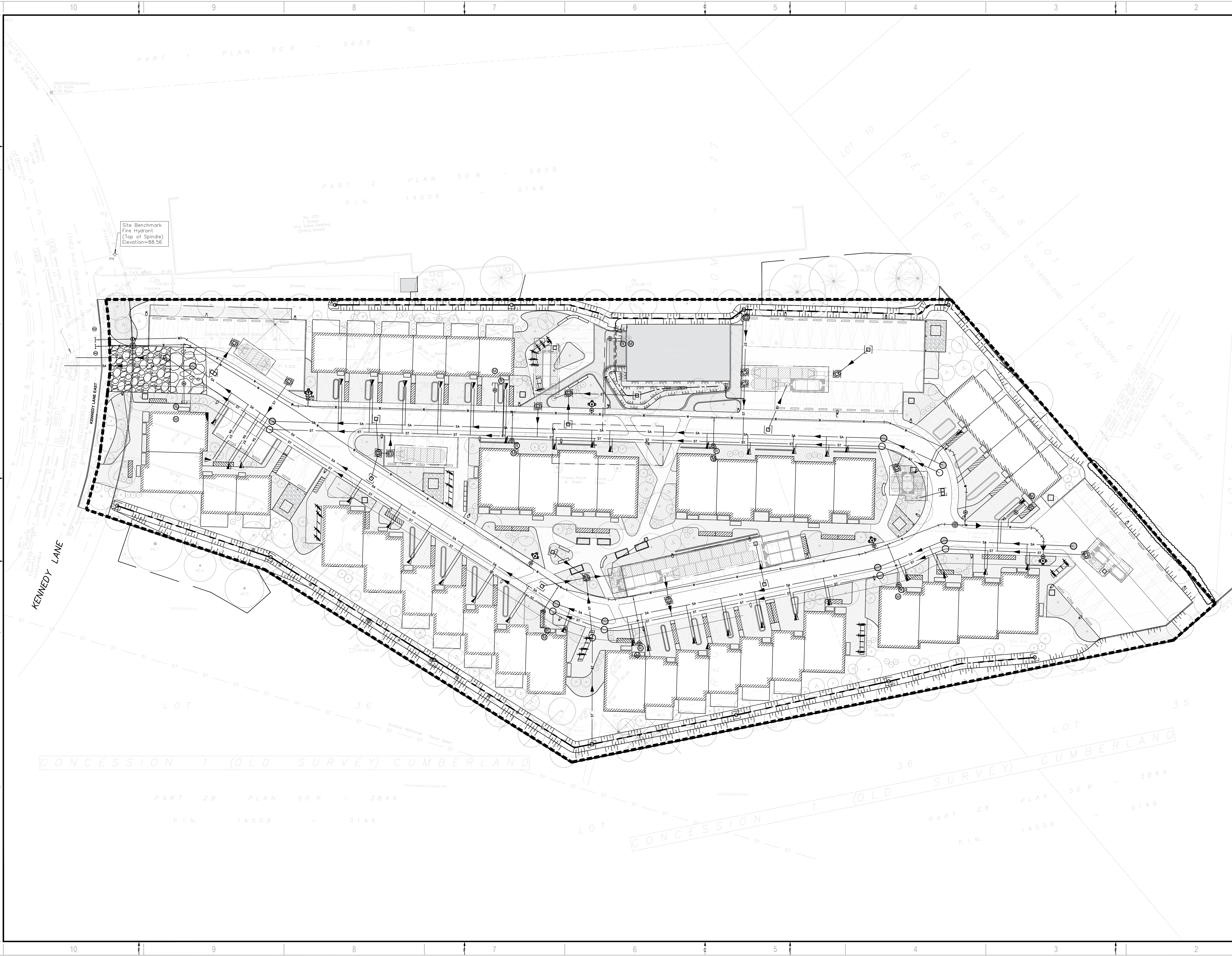
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IS	RE	DATE	DESCRIPTION
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3		2023-02-28	RE-ISSUED FOR SPA AND ZBLA
2		2022-10-14	RE-ISSUED FOR SPA AND ZBLA
1		2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO: 211-12127-00	DATE: NOVEMBER 2024
ORIGINAL SCALE: 1:300	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: DY	
DRAWN BY: JT	
CHECKED BY: DY	
DISCIPLINE: CIVIL	
TITLE: SANITARY DRAINAGE AREA PLAN	
SHEET NUMBER: C07	
ISSUE: RE-ISSUED FOR SPA AND ZBLA	REV # 0
DATE OF: 2024-11-05	

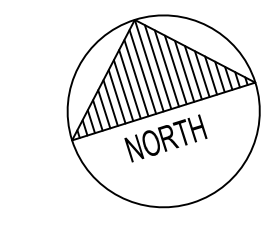
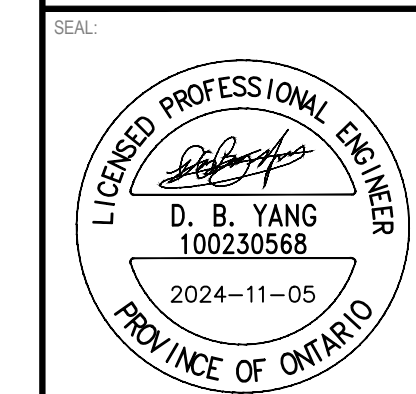


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2011 QUEENSWOOD DR.
OTTAWA, ONTARIO
CANADA K2B 3K2
T: 613-829-2800
F: 613-829-8299
WWW.WSP.COM

ARCHITECT:
KPMB ARCHITECTS
351 KING STREET EAST, SUITE 1200
TORONTO, ONTARIO
CANADA M5A 9L5
T: 416-977-5104



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1		2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO: 211-12127-00	DATE: NOVEMBER 2024
ORIGINAL SCALE: 1:300	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTING SCALE.
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DRAWN BY: JT	
CHECKED BY: DY	

DISCIPLINE: CIVIL	
TITLE: EROSION AND SEDIMENT CONTROL PLAN	
SHEET NUMBER: C08	
SHEET #: 8 OF 8	
ISSUE: RE-ISSUED FOR SPA AND ZBLA	REV #: 0
DATE OF: 2024-11-05	

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