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, WATERMAINS, 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 PLANS 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 P.ENG CONFIRMING COMPLIANCE WITH DESIGN GRADING AND SERVICING. SURVEY IS TO INCLUDE LOCATION AND INVERTS FOR BURIED UTILITIES.
18. ABIDE BY RECOMMENDATIONS OF GEOTECHNICAL REPORT. REPORT ANY VARIATIONS IN OBSERVED CONATIONS FROM THOSE INCLUDED IN REPORT.
19. REPORT REFERENCES
    i. STORMWATER MANAGEMENT REPORT, PREPARED BY WSP CANADA INC, PROJ. NO. 211-12127-00, SEPTEMBER 09, 2022
    ii. GEOTECHNICAL INVESTIGATION REPORT, PREPARED BY PINCHIN LTD, PINCHIN FILE: 296551.001, NOVEMBER 30, 2021

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.
   - 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED AROUND THE BASE OF ALL STOCKPILES.
   - 2.8. 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).
   - 2.9. 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).
   - 2.10. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE FIELD ENGINEER.
   - 2.11. CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING AS REQUIRED.
   - 2.12. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED.
   - 2.13. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
   - 2.14. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
   - 2.15. 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.
   - 2.16. 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 APPURTANANCES, 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 WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAINS 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 W18 & 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 B-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 CBMH101 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 CBMH'S AS INDICATED IN TABLE WITH SUMP AND FRAME/COVER AS PER OPSD 401.010 TYPE B. SANITARY MH'S 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 ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

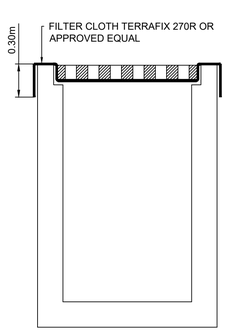
NOTES: SERVICES LATERALS

25. NO SERVICE LATERLAS ARE TO BE DIRECTLY CONNECTED TO A MANHOLE.
26. BACKFWATER 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.

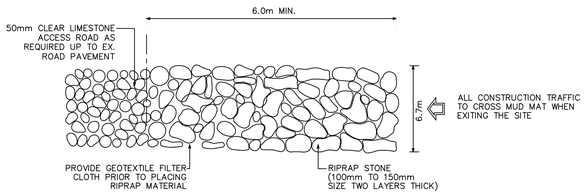
PAVEMENT STRUCTURE - ACCESS ROADWAYS		
COURSE	MATERIAL	THICKNESS
SURFACE	HL-3 (OPSS 1150)	40mm
BINDER	HL-8 (OPSS 1150)	80mm
BASECOURSE	OPSS GRANULAR 'A'	150 mm
SUBBASE	OPSS GRANULAR 'B' TYPE I	450 mm

PAVEMENT STRUCTURE - PARKING AREAS		
COURSE	MATERIAL	THICKNESS
SURFACE	HL-3 (OPSS 1150)	40 mm
BINDER	HL-8 (OPSS 1150)	50 mm
BASECOURSE	OPSS GRANULAR 'A'	150 mm
SUBBASE	OPSS GRANULAR 'B' TYPE II	300 mm

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



FILTER CLOTH CATCHBASIN OR MANHOLE SEDIMENT CONTROL DEVICE
(NTS)



MUD MAT DETAIL
(NTS)

LEGEND:

- EXISTING FIRE HYDRANT
- EXISTING V&VB
- EXISTING VALVE CHAMBER
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE AND VALVE CHAMBER
- PROPOSED REMOTE METER
- PROPOSED METER
- STMH/CBMH — PROPOSED CATCHBASIN MANHOLE
- CB — PROPOSE CATCHBASIN
- PROPOSE LANDSCAPE CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- SA — EXISTING SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SEWER AND MANHOLE
- ST — EXISTING STORM SEWER AND MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED WATERMAIN
- PROPOSED SUBDRAIN
- W — EXISTING WATERMAIN
- PROPOSED CENTERLINE OF SWALE
- PROPOSED TERRACING (3:1 MAX)
- PROPOSED CONCRETE CURB
- EXISTING BUILDING OR STRUCTURE
- LIMIT OF CONSTRUCTION
- EXISTING CONCRETE CURB
- EXISTING GRADE
- PROPOSED GRADE AT TOP OF WALL
- PROPOSED GRADE
- PROPOSED TOP OF CURB
- PROPOSED SWALE ELEVATION
- PROPOSED SLOPE
- 100 YR — 100 YEAR PONDING LIMIT
- 5 YR — 5 YR — 5 YEAR PONDING LIMIT
- SIAMESE CONNECTION
- OVERLAND MAJOR FLOW ROUTE
- STORM DRAINAGE BOUNDARY
- ID CONTROLLED A C — ID DENOTES WATERSHED NAME; A DENOTES AREA IN HECTARES; C DEONOTES RUNOFF COEFFICIENT
- SERVICE LATERAL LOCATION
- PRESSURE REDUCING VALVE
- F.FL.=106.10 T.FND.=105.80 U.S.F.=103.10 — FINISHED FLOOR ELEVATION; TOP OF FOUNDATION ELEVATION; UNDERSIDE OF FOOTING ELEVATION
- GRASS AREAS
- PROPOSED INTERLOCK PAVING
- FIRE ROUTE

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SEAL:
LICENSED PROFESSIONAL ENGINEER — D. B. YANG — 100230568 — 2022-10-14 — PROVINCE OF ONTARIO

NORTH

CLIENT:
UNITED PROPERTY RESOURCE CORPORATION
QUEENSWOOD UNITED CHURCH

CLIENT REF. #:

PROJECT:
QUEENSWOOD UNITED CHURCH

KEY PLAN:


ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
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: OCTOBER 2022
ORIGINAL SCALE: 1:300
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: EB/DY
DRAWN BY: JT/EB
CHECKED BY: DY
25mm
DISCIPLINE: CIVIL
TITLE: NOTES AND DETAILS
SHEET NUMBER: C01
SHEET #: 1 OF 8
ISSUE: RE-ISSUE FOR SPA AND ZBLA
REV #: 0
DATE OF: 2022-10-14

D07-12-22-0002
#18692

STORM STRUCTURE AND ICD DATA TABLE														
STRUCTURE ID	AREA ID	SIZE	STRUCTURE	COVER	TOP OF GRATE	INVERT				DIAMTER	TYPE	HEAD	FLOW	ICD TYPE
						INLET	INLET	INLET	OUTLET	(mm)		(m)	(l/s)	
KANATA-STITTSVILLE ECOLE ELEMENTAIRE														
CB01	S-017	600X600mm	OPSD 705.010	S19.1	87.61				85.410	200	PVC SDR-35	2.33	19.00	125-VHV-2
CB02	S-014	600X600mm	OPSD 705.010	S19.1	87.52				84.350	200	PVC SDR-35			
CB03	S-015	600X600mm	OPSD 705.010	S19.1	87.45				84.450	PART OF WATER CHAMBER (DESIGNED BY OTHERS)				
CB04	S-013	600X600mm	OPSD 705.010	S19.1	87.65				85.450	200	PVC SDR-35			
CB05	S-012	600X600mm	OPSD 705.010	S19.1	87.50				85.300	200	PVC SDR-35			
CB06	S-011	600X600mm	OPSD 705.010	S19.1	87.53				84.380	200	PVC SDR-35			
DCB07	S-016	600X600mm	OPSD 705.020	S19.1	87.55				84.850	200	PVC SDR-35			
CB08	S-006	600X600mm	OPSD 705.010	S19.1	87.56				84.400	200	PVC SDR-35			
CB09	S-008	600X600mm	OPSD 705.010	S19.1	87.32				85.120	200	PVC SDR-35			
CB10	S-003	600X600mm	OPSD 705.010	S19.1	87.53				84.440	200	PVC SDR-35			
CB11	S-005	600X600mm	OPSD 705.010	S19.1	86.95				84.750	200	PVC SDR-35			
CB12	S-004	600X600mm	OPSD 705.010	S19.1	87.30				85.100	200	PVC SDR-35			
CB13	S-010	600X600mm	OPSD 705.010	S19.1	87.49				84.350	200	PVC SDR-35			
CB14	S-002	600X600mm	OPSD 705.010	S19.1	87.49				85.290	200	PVC SDR-35			
DB15	S-001	600X600mm	OPSD 705.020	S19.1	87.40				84.200	200	PVC SDR-35			
CBMH05	S-012	1200mm DIA.	OPSD 701.010	S28.1	87.62	85.220	84.410	84.300	84.250	250	PVC SDR-35			
CBMH06	S-014	1200mm DIA.	OPSD 701.010	S28.1	87.67			84.180	83.710	250	PVC SDR-35	1.51	23.00	125-VHV-2
CBMH10	S-016	1200mm DIA.	OPSD 701.010	S28.1	87.71			84.810	83.860	250	PVC SDR-35	1.56	13.00	100-VHV-1
CBMH12	S-008	1200mm DIA.	OPSD 701.010	S28.1	87.49			85.050	84.390	250	PVC SDR-35			
CBMH13	S-007	1200mm DIA.	OPSD 701.010	S28.1	87.17			84.810	84.760	250	PVC SDR-35			
CBMH14	S-007	1200mm DIA.	OPSD 701.010	S28.1	87.48			84.720	84.330	250	PVC SDR-35			
CBMH15	S-007	1200mm DIA.	OPSD 701.010	S28.1	87.52			84.310	83.680	250	PVC SDR-35	1.54	13.00	100-VHV-1
CBMH16	S-004	1200mm DIA.	OPSD 701.010	S28.1	87.60			84.410	84.390	200	PVC SDR-35			
CBMH17	S-003	1200mm DIA.	OPSD 701.010	S28.1	87.63			84.370	83.540	250	PVC SDR-35	1.52	13.00	100-VHV-1
CBMH18	S-010	1200mm DIA.	OPSD 701.010	S28.1	87.56		85.230	84.300	84.240	250	PVC SDR-35			
CBMH19	S-002	1200mm DIA.	OPSD 701.010	S28.1	87.58			84.210	83.440	250	PVC SDR-35	1.53	24.00	125-VHV-2
CBMH21	S-001	1200mm DIA.	OPSD 701.010	S28.1	87.52			84.120	84.060	200	PVC SDR-35			
CBMH22	S-001	1200mm DIA.	OPSD 701.010	S28.1	87.61			84.060	83.330	250	PVC SDR-35	1.57	13.00	100-VHV-1
RYCB01	S-018	600X600mm	OPSD 705.010	S19.1	87.05		85.480	85.260	84.850	250	PVC SDR-35	2.32	56.00	200-VHV-2
RYCB02	S-009	600X600mm	OPSD 705.010	S19.1	87.02		85.860	85.800	84.820	200	PVC SDR-35			
LCB01	S-009	300mm DIA.	S30	S30	87.45				86.450	250	PVC SDR-35			
LCB03	S-009	300mm DIA.	S30	S30	87.10				86.100	250	PVC SDR-35			
LCB04	S-018	300mm DIA.	S30	S30	87.39				86.390	250	PVC SDR-35			
LCB07	S-018	300mm DIA.	S30	S30	87.12				86.120	250	PVC SDR-35			
TCB02	S-009	300mm DIA.	S30	S30	87.16				86.160	250	PVC SDR-35			
TCB05	S-018	300mm DIA.	S30	S30	86.98				85.980	250	PVC SDR-35			
TCB06	S-018	300mm DIA.	S30	S30	86.98				85.680	250	PVC SDR-35			
TCB08	S-018	300mm DIA.	S30	S30	87.09				85.790	250	PVC SDR-35			
TCB09	S-018	300mm DIA.	S30	S30	87.06				85.460	250	PVC SDR-35			
STMH01	S-017	1200mm DIA.	OPSD 701.010	S28.1	87.66			85.360	84.000	250	PVC SDR-35			
STMH02	S-016	1200mm DIA.	OPSD 701.010	S28.1	87.67			83.890	83.860	250	PVC SDR-35			
STMH03	S-016	1200mm DIA.	OPSD 701.010	S28.1	87.77			83.800	83.680	375	PVC SDR-35			
STMH04	S-011	1200mm DIA.	OPSD 701.010	S28.1	87.76			84.650	84.450	250	PVC SDR-35			
STMH07	S-011	1200mm DIA.	OPSD 701.010	S28.1	87.69			83.520	83.490	375	PVC SDR-35			
STMH08	S-011	1200mm DIA.	OPSD 701.010	S28.1	87.66			83.460	83.430	375	PVC SDR-35			
STMH09	S-016	1200mm DIA.	OPSD 701.010	S28.1	87.60				83.790	375	PVC SDR-35			
STMH11	S-016	1200mm DIA.	OPSD 701.010	S28.1	87.75			83.710	83.580	375	PVC SDR-35			
STMH20	S-001	1200mm DIA.	OPSD 701.010	S28.1	87.63		83.240	83.240	83.180	375	PVC SDR-35			

SAN STRUCTURE TABLE								
STRUCTURE ID	TOP OF GRATE	INVERT				DESCRIPTION		
	ELEVATION	INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER
SAMH02	87.44			82.700	81.640	1200mm DIA.	OPSD-701.010	S24
SAMH03	87.60		82.780	82.790	82.760	1200mm DIA.	OPSD-701.010	S24
SAMH04	87.62			83.000	82.980	1200mm DIA.	OPSD-701.010	S24
SAMH05	87.65			83.070	83.030	1200mm DIA.	OPSD-701.010	S24
SAMH06	87.74			83.260	83.230	1200mm DIA.	OPSD-701.010	S24
SAMH07	87.64			83.340	83.310	1200mm DIA.	OPSD-701.010	S24
SAMH08	87.70				83.490	1200mm DIA.	OPSD-701.010	S24
SAMH9	87.72			83.190	83.160	1200mm DIA.	OPSD-701.010	S24
SAMH10	87.64				83.270	1200mm DIA.	OPSD-701.010	S24

PIPE CROSSING TABLE								
		Invert	Obvert			Invert	Obvert	
1	200mmØ PVC SAN	81.568	81.768	0.118	Clearance Above	80.429	81.450	*EXISTING 900mmØ CONC STORM*
2	375mmØ PVC STM	82.347	82.722	2.168	Clearance Under	84.890	85.090	*EXISTING 200mmØ W/M*
3	200mmØ PVC SAN	81.631	81.831	1.186	Clearance Under	83.017	83.392	375mmØ PVC STM
4	200mmØ PVC SAN	81.634	81.834	3.135	Clearance Under	84.969	85.090	100mmØ PVC WM
5	375mmØ PVC STM	83.026	83.401	1.569	Clearance Under	84.970	85.070	100mmØ PVC WM
6	200mmØ PVC CB LEAD	84.174	84.374	0.426	Clearance Under	84.800	85.050	250mmØ PVC WM
7	200mmØ PVC CB LEAD	84.181	84.381	0.409	Clearance Under	84.790	85.040	250mmØ PVC WM
8	200mmØ PVC SAN	82.755	82.955	0.375	Clearance Under	83.330	83.580	250mmØ PVC STM
9	250mmØ PVC STM	83.315	83.565	1.375	Clearance Under	84.940	85.190	250mmØ PVC WM
10	250mmØ PVC STM	83.312	83.562	1.321	Clearance Under	84.883	85.180	300mmØ PVC WM
11	200mmØ PVC SAN	82.814	83.014	1.869	Clearance Under	84.883	85.180	300mmØ PVC WM
12	375mmØ PVC STM	83.273	83.648	1.235	Clearance Under	84.883	85.180	300mmØ PVC WM
13	200mmØ PVC CB LEAD	85.280	85.480	2.228	Clearance Above	82.852	83.052	200mmØ PVC SAN
14	250mmØ PVC STM	83.162	83.412	1.853	Clearance Under	85.265	85.465	200mmØ PVC CB LEAD
15	200mmØ PVC SAN	82.935	83.135	1.965	Clearance Under	85.100	85.200	100mmØ PVC WM
16	375mmØ PVC STM	83.376	83.751	1.379	Clearance Under	85.130	85.230	100mmØ PVC WM
17	250mmØ PVC WM	84.950	85.200	1.163	Clearance Above	83.537	83.787	250mmØ PVC STM
18	200mmØ PVC SAN	82.948	83.148	0.373	Clearance Under	83.521	83.771	250mmØ PVC STM
19	250mmØ PVC WM	84.920	85.170	0.300	Clearance Above	84.420	84.620	200mmØ PVC STM
20	100mmØ PVC WM	84.092	84.192	0.500	Clearance Under	84.692	84.892	200mmØ PVC CB LEAD
21	200mmØ PVC SAN	83.057	83.257	1.853	Clearance Under	85.110	85.210	100mmØ PVC WM
22	375mmØ PVC STM	83.487	83.862	1.278	Clearance Under	85.140	85.240	100mmØ PVC WM
23	250mmØ PVC WM	84.940	85.190	1.038	Clearance Above	83.652	83.902	250mmØ PVC STM
24	250mmØ PVC STM	83.638	83.888	0.363	Clearance Above	83.075	83.275	200mmØ PVC SAN
25	250mmØ PVC WM	84.910	85.160	0.430	Clearance Above	84.380	84.480	200mmØ PVC CB LEAD
26	250mmØ PVC WM	85.090	85.340	1.420	Clearance Above	83.470	83.670	200mmØ PVC SAN
27	250mmØ PVC WM	85.110	85.360	0.884	Clearance Above	83.976	84.226	250mmØ PVC STM
28	100mmØ PVC WM	85.240	85.340	1.173	Clearance Above	83.817	84.067	250mmØ PVC STM
29	100mmØ PVC WM	85.210	85.310	1.733	Clearance Above	83.277	83.477	200mmØ PVC SAN
30	200mmØ PVC CB LEAD	84.328	84.528	0.335	Clearance Under	84.863	85.160	300mmØ PVC WM
31	250mmØ PVC STM	84.120	84.370	0.653	Clearance Under	85.023	85.320	300mmØ PVC WM
32	250mmØ PVC STM	83.695	83.945	0.395	Clearance Above	83.100	83.300	200mmØ PVC SAN
33	100mmØ PVC WM	85.170	85.270	1.889	Clearance Above	83.081	83.281	200mmØ PVC SAN
34	100mmØ PVC WM	85.210	85.310	1.291	Clearance Above	83.544	83.919	375mmØ PVC STM
35	300mmØ PVC WM	84.953	85.250	0.285	Clearance Above	84.418	84.668	250mmØ PVC STM
36	200mmØ PVC SAN	83.021	83.221	1.213	Clearance Under	84.434	84.684	250mmØ PVC STM
37	375mmØ PVC SAN	83.482	83.857	0.584	Clearance Under	84.441	84.691	250mmØ PVC STM
38	300mmØ PVC WM	84.903	85.200	0.347	Clearance Above	84.356	84.556	200mmØ PVC CB LEAD
39	100mmØ PVC WM	85.100	85.200	1.925	Clearance Above	82.975	83.175	200mmØ PVC SAN
40	100mmØ PVC WM	85.150	85.250	1.350	Clearance Above	83.425	83.800	375mmØ PVC STM
41	300mmØ PVC WM	84.853	85.150	0.331	Clearance Above	84.322	84.522	200mmØ PVC CB LEAD
42	375mmØ PVC STM	83.251	83.626	0.267	Clearance Above	82.784	82.984	200mmØ PVC SAN
43	200mmØ PVC SAN	81.581	81.781	3.109	Clearance Under	84.890	85.090	EX.200mmØ PVC W/M

WATERMAIN SCHEDULE					
STATION	DESCRIPTION	FINISHED GRADE	TOP OF WATERMAIN	AS-BUILT WATERMAIN	COVER
250mm and 300mm W/M Looping					
0+000	Connect to Ex. 200mm W/M WITH 250X200 Tee	87.490		85.090	2.400
0+006.85	250mm VB	87.600	85.200		2.400
0+016.33	22.5° Bend	87.580	85.180		2.400
0+024.35	Crossing with 200mm PVC CB LEAD	87.450	85.050		2.400
0+036.94	Crossing with 250mm PVC STM	87.590	85.190		2.400
0+040.21	22.5° Bend	87.630	85.230		2.400
0+042.58	150X250 TEE	87.630	85.230		2.400
0+076.84	150X250 TEE	87.640	85.240		2.400
0+080.20	150X250 TEE	87.620	85.220		2.400
0+084.09	Crossing with 250mm PVC STM	87.600	85.200		2.400
0+090.41	Crossing with 200mm PVC STM	87.570	85.170		2.400
0+094.71	150X250 TEE	87.610	85.210		2.400
0+117.23	150X250 TEE	87.630	85.230		2.400
0+122.63	Crossing with 250mm PVC STM	87.590	85.190		2.400
0+127.18	Crossing with 200mm PVC STM	87.560	85.160		2.400
0+149.07	22.5° Bend	87.740	85.340		2.400
0+162.34	45° Bend	87.720	85.320		2.400
0+169.57	22.5° Bend	87.650	85.250		2.400
0+173.88	250mm VB	87.630	85.230		2.400
0+176.22	200X200 TEE	87.660	85.260		2.400
0+178.04	300mm VC	87.630	85.230		2.400
0+180.56	22.5° Bend	87.600	85.200		2.400
0+191.13	150X300 TEE	87.720	85.320		2.400
0+193.52	150X300 TEE	87.740	85.340		2.400
0+196.07	11.25° Bend	87.730	85.330		2.400
0+214.88	Crossing with 200mm PVC STM	87.560	85.160		2.400
0+232.98	Crossing with 250mm PVC STM	87.720	85.320		2.400
0+238.91	150X300 TEE	87.700	85.300		2.400
0+242.86	22.5° Bend	87.670	85.270		2.400
0+247.34	Crossing with 250mm PVC STM	87.650	85.250		2.400
0+251.93	22.5° Bend	87.600	85.200		2.400
0+253.01	150X300 TEE	87.600	85.200		2.400
0+253.83	Crossing with 200mm PVC CB LEAD	87.600	85.200		2.400
0+256.27	150X300 TEE	87.600	85.200		2.400
0+293.47	Crossing with 200mm PVC CB LEAD	87.550	85.150		2.400
0+304.41	Crossing with 250mm PVC STM	87.580	85.180		2.400
0+307.23	Crossing with 200mm PVC SAN	87.580	85.180		2.400
0+314.94	Crossing with 250mm PVC STM	87.580	85.180		2.400
0+327.51	Crossing with 200mm PVC CB LEAD	87.440	85.040		2.400
0+333.15	150X300 TEE	87.540	85.140		2.400
0+334.38	22.5° Bend	87.560	85.160		2.400
0+344.41	DAM AS PER CITY STD W3	87.600	85.200		2.400
0+351.28	Connect to Ex. 200mm W/M WITH 250X200 Tee	87.490	85.090		2.400

Fire Hydrant 01					
1+000	Connect to 250mm W/M WITH 150X250 Tee	87.600	85.200		2.400
1+001.37	150mm VB	87.670	85.270		2.400
1+002.51	FIRE HYYDRANT	87.820	85.420		2.400

Fire Hydrant 02					
2+000	Connect to 250mm W/M WITH 150X250 Tee	87.600	85.200		2.400
2+000.64	150mm VB	87.620	85.220		2.400
2+001.77	FIRE HYYDRANT	87.530	85.130		2.400

Fire Hydrant 03					
3+000	Connect to 297mm W/M WITH 150X297 Tee	87.600	85.200		2.400
3+000.65	150mm VB	87.620	85.220		2.400
3+002.17	FIRE HYYDRANT	87.710	85.310		2.400

Fire Hydrant 04					
4+000	Connect to 300mm W/M WITH 150X300 Tee	87.740	85.340		2.400
4+000.64	150mm VB	87.760	85.360		2.400
4+001.69	FIRE HYYDRANT	87.890	85.490		2.400

Fire Hydrant 04					
4+000	Connect to 300mm W/M WITH 150X300 Tee	87.740	85.340		2.400
4+000.64	150mm VB	87.760	85.360		2.400
4+001.69	FIRE HYYDRANT	87.890	85.490		2.400

Fire Hydrant 05					
5+000	Connect to 300mm W/M WITH 300X250 Tee	87.660	85.260		2.400
5+002.44	300X250 REDUCER	87.690	85.290		2.400
5+015.29	45° Bend	87.780	85.380		2.400
5+017.81	45° Bend	87.720	85.320		2.400
5+019.75	250X150 REDUCER	87.750	85.350		2.400
5+021.74	150mm VB	87.760	85.360		2.400
5+022.67	FIRE HYDRANT	87.900	85.500		2.400

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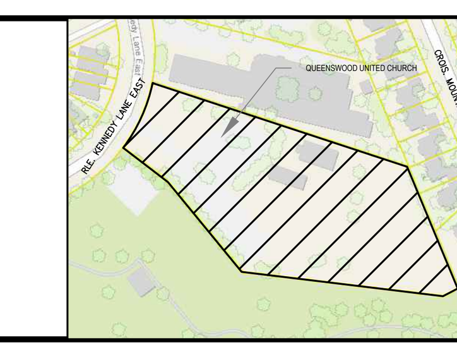
PROVINCE OF ONTARIO

NORTH

CLIENT:
UNITED PROPERTY RESOURCE CORPORATION
QUEENSWOOD UNITED CHURCH

CLIENT REF. #:

PROJECT:
QUEENSWOOD UNITED CHURCH

KEY PLAN:


ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
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: OCTOBER 2022
ORIGINAL SCALE: 1:300
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
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CHECKED BY: DY

DISCIPLINE: CIVIL

TITLE: DETAILS

SHEET NUMBER: C02
SHEET #: 2 OF 8

ISSUE: RE-ISSUE FOR SPA AND ZBLA
DATE OF: 2022-10-14
REV #: 0

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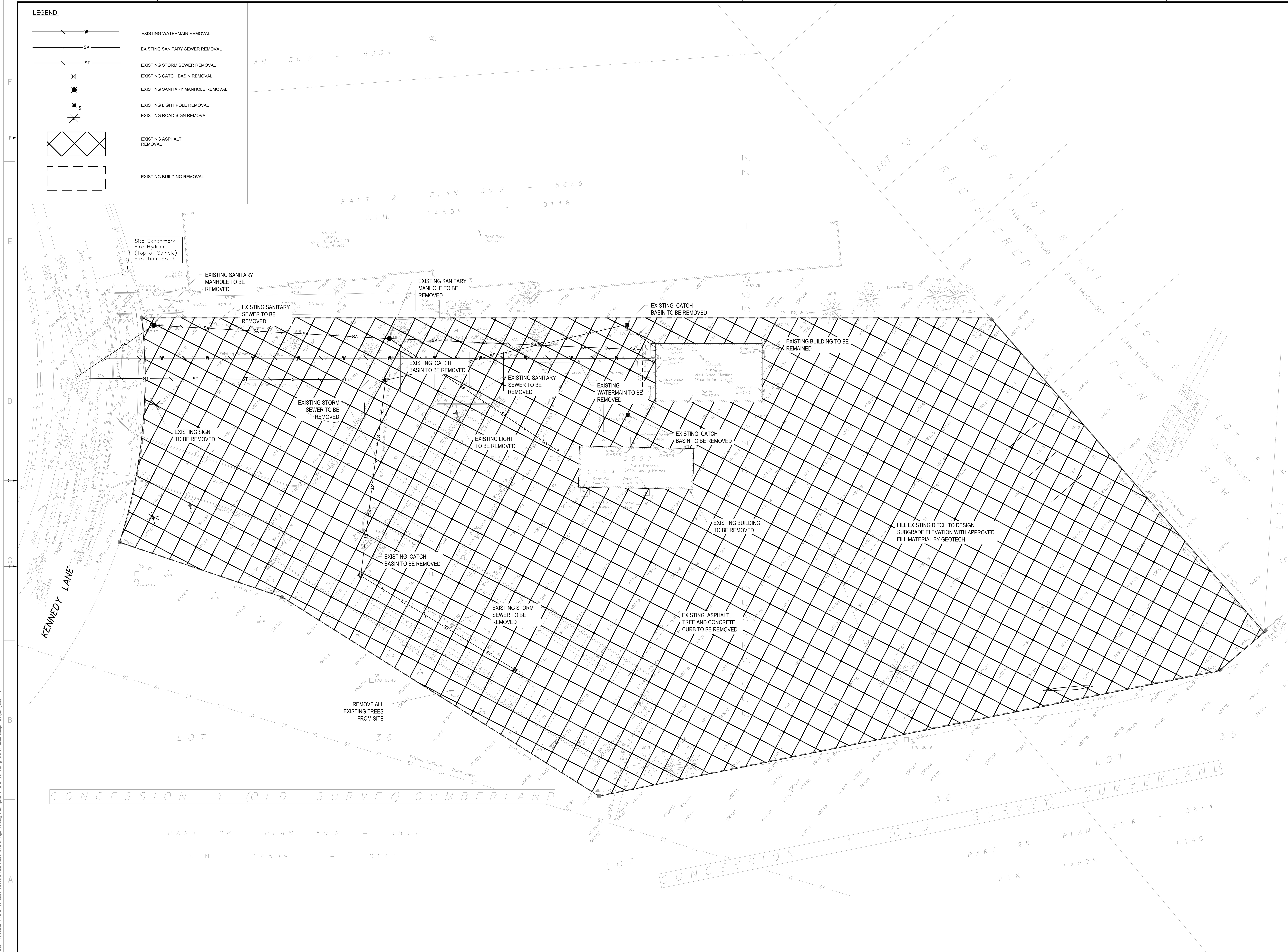

LEGEND:
EXISTING WATERMAIN REMOVAL
EXISTING SANITARY SEWER REMOVAL
EXISTING STORM SEWER REMOVAL
EXISTING CATCH BASIN REMOVAL
EXISTING SANITARY MANHOLE REMOVAL
EXISTING LIGHT POLE REMOVAL
EXISTING ROAD SIGN REMOVAL
EXISTING ASPHALT REMOVAL
EXISTING BUILDING REMOVAL
Site Benchmark Fire Hydrant (Top of Spindle) Elevation=88.56
EXISTING SANITARY MANHOLE TO BE REMOVED
EXISTING SANITARY SEWER TO BE REMOVED
EXISTING SANITARY MANHOLE TO BE REMOVED
EXISTING CATCH BASIN TO BE REMOVED
EXISTING BUILDING TO BE REMAINED
EXISTING CATCH BASIN TO BE REMOVED
EXISTING SANITARY SEWER TO BE REMOVED
EXISTING WATERMAIN TO BE REMOVED
EXISTING STORM SEWER TO BE REMOVED
EXISTING SIGN TO BE REMOVED
EXISTING LIGHT TO BE REMOVED
EXISTING CATCH BASIN TO BE REMOVED
EXISTING BUILDING TO BE REMOVED
FILL EXISTING DITCH TO DESIGN SUBGRADE ELEVATION WITH APPROVED FILL MATERIAL BY GEOTECH
EXISTING CATCH BASIN TO BE REMOVED
EXISTING STORM SEWER TO BE REMOVED
EXISTING ASPHALT, TREE AND CONCRETE CURB TO BE REMOVED
REMOVE ALL EXISTING TREES FROM SITE
KENNEDY LANE
CONCESSION 1 (OLD SURVEY) CUMBERLAND
PART 28 PLAN 50R - 3844
P.I.N. 14509 - 0146
LOT 36
LOT 35
PART 2 PLAN 50R - 5659
P.I.N. 14509 - 0148

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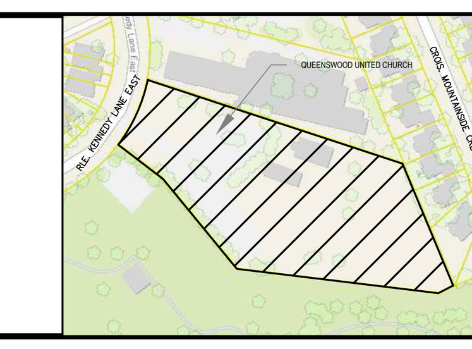

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PROJECT NO: 211-12127-00
DATE: OCTOBER 2022
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DISCIPLINE:

CIVIL

TITLE:

REMOVAL PLAN

SHEET NUMBER:

C03

SHEET #: 3 OF 8

ISSUE:

RE-ISSUE FOR SPA AND ZBLA

DATE OF: 2022-10-14

REV #: 0

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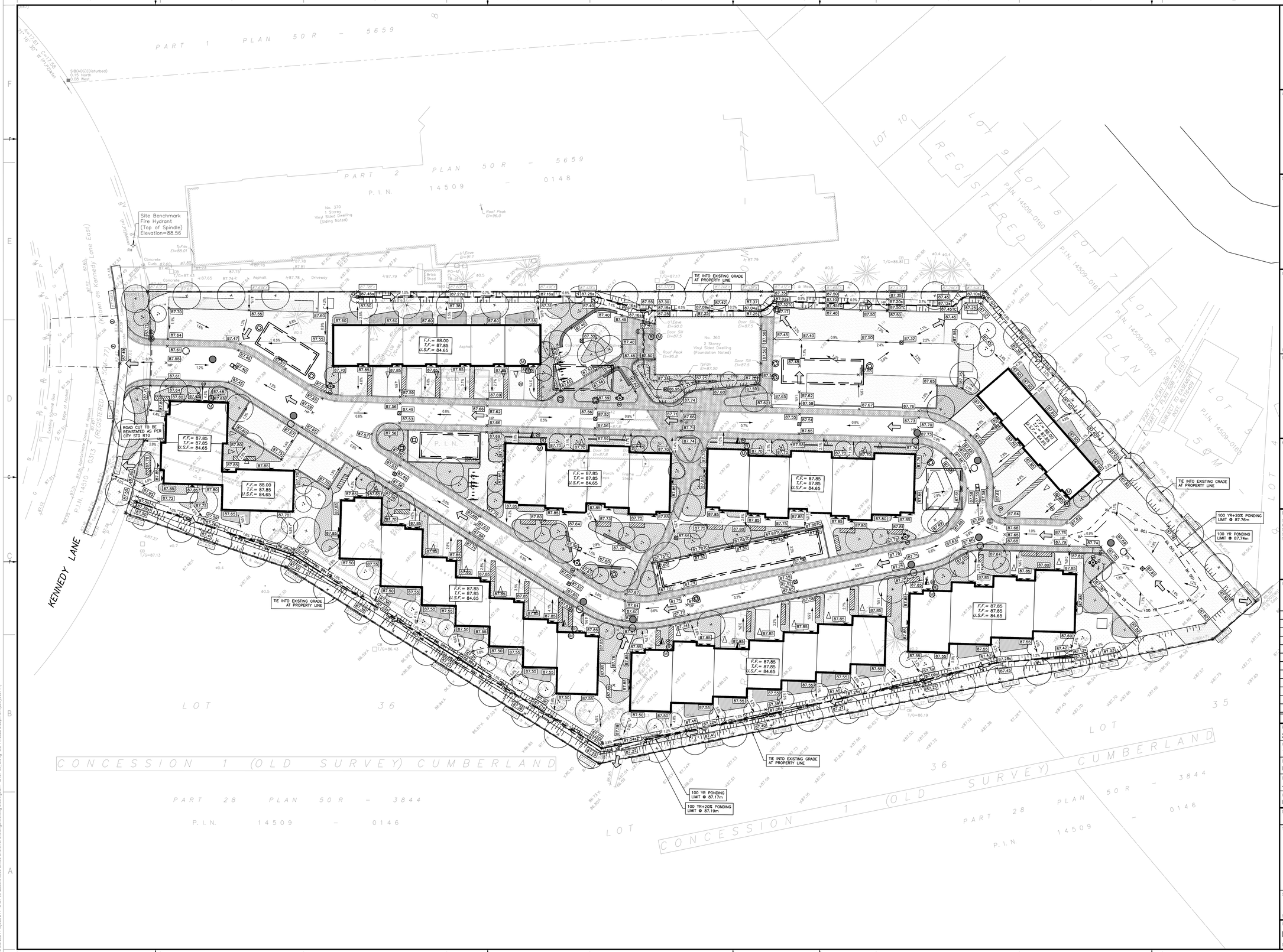

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2022-10-14
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1		2021-11-30	ISSUED FOR SPA AND ZBLA

PROJECT NO: 211-12127-00
DATE: OCTOBER 2022
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DISCIPLINE: CIVIL

TITLE: GRADING PLAN

SHEET NUMBER: C04
SHEET #: 4 OF 8

ISSUE: RE-ISSUE FOR SPA AND ZBLA
REV #: 0
DATE OF: 2022-10-14

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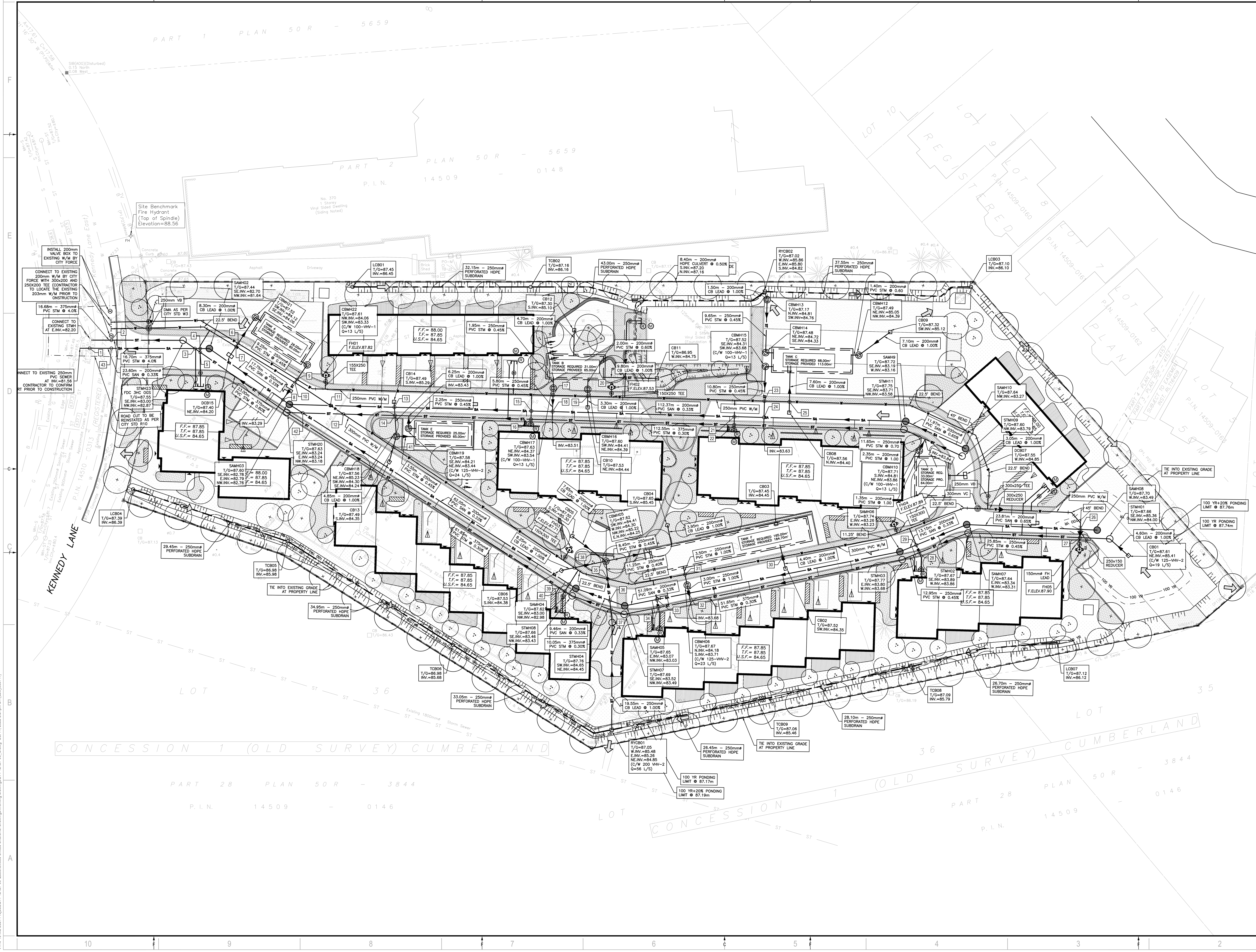

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2022-10-14
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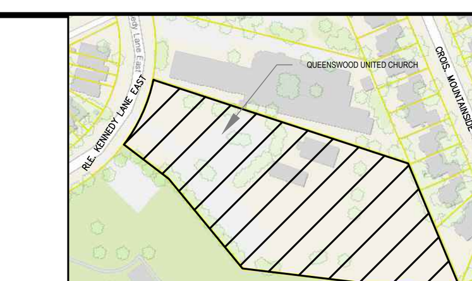
UNITED PROPERTY RESOURCE CORPORATION QUEENSWOOD UNITED CHURCH

CLIENT REF. #:

PROJECT:

QUEENSWOOD UNITED CHURCH

KEY PLAN:



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IS	RE	DATE	DESCRIPTION
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: OCTOBER 2022
ORIGINAL SCALE: 1:300	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: EB/DY	
DRAWN BY: JT/EB	
CHECKED BY: DY	25mm

DISCIPLINE: CIVIL

TITLE:

SERVICING PLAN

SHEET NUMBER: C05

SHEET #: 5 OF 8

ISSUE: RE-ISSUE FOR SPA AND ZBLA

DATE OF: 2022-10-14

REV #: 0

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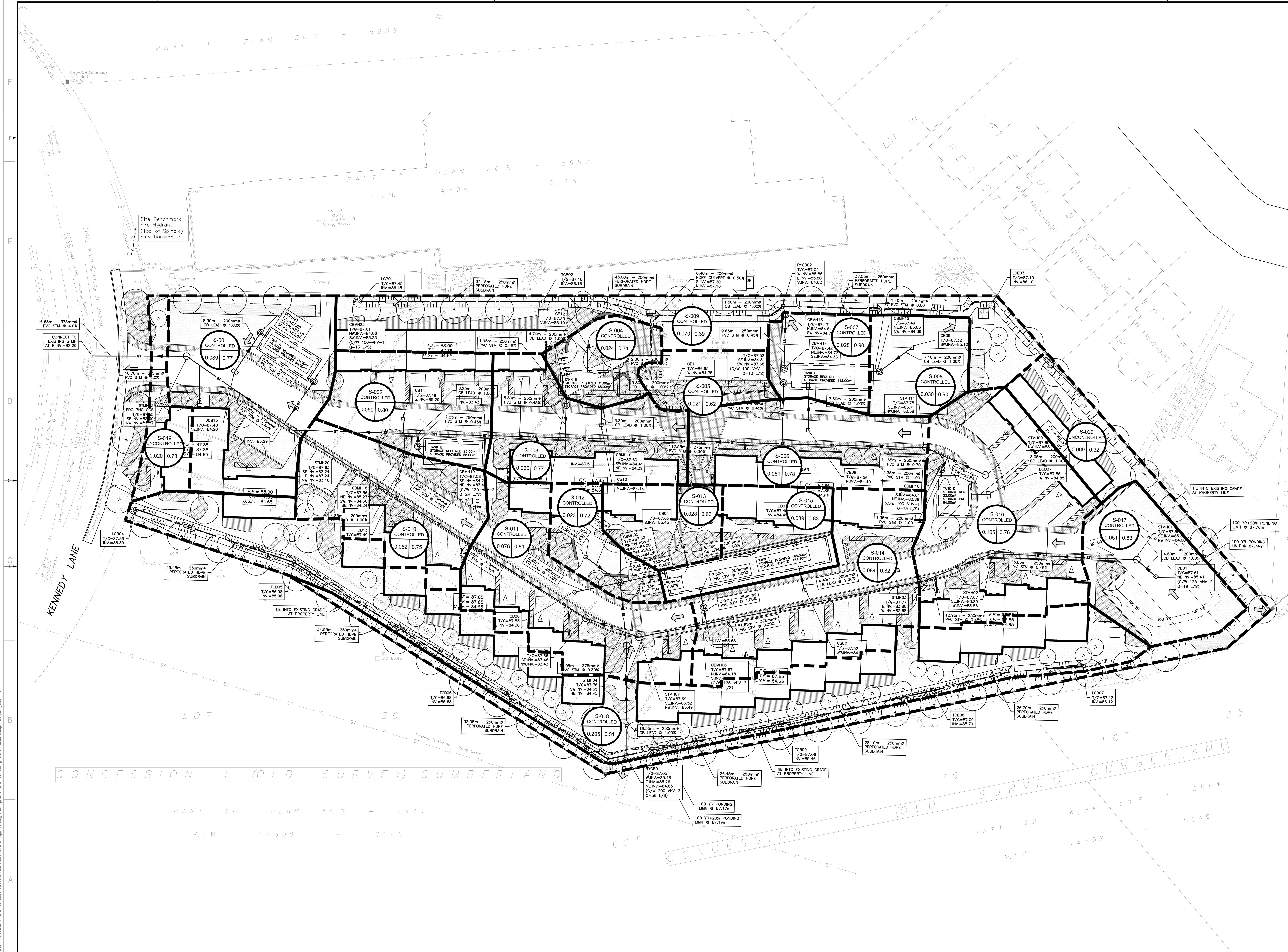

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2022–10–14
PROVINCE OF ONTARIO

NORTH

CLIENT:

UNITED PROPERTY RESOURCE CORPORATION
QUEENSWOOD UNITED CHURCH

CLIENT REF. #:

PROJECT:

QUEENSWOOD UNITED CHURCH

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DISCIPLINE: CIVIL

TITLE:

DRAINAGE AREA PLAN

SHEET NUMBER: C06
SHEET #: 6 OF 8

ISSUE: RE-ISSUE FOR SPA AND ZBLA
REV #: 0
DATE OF: 2022-10-14

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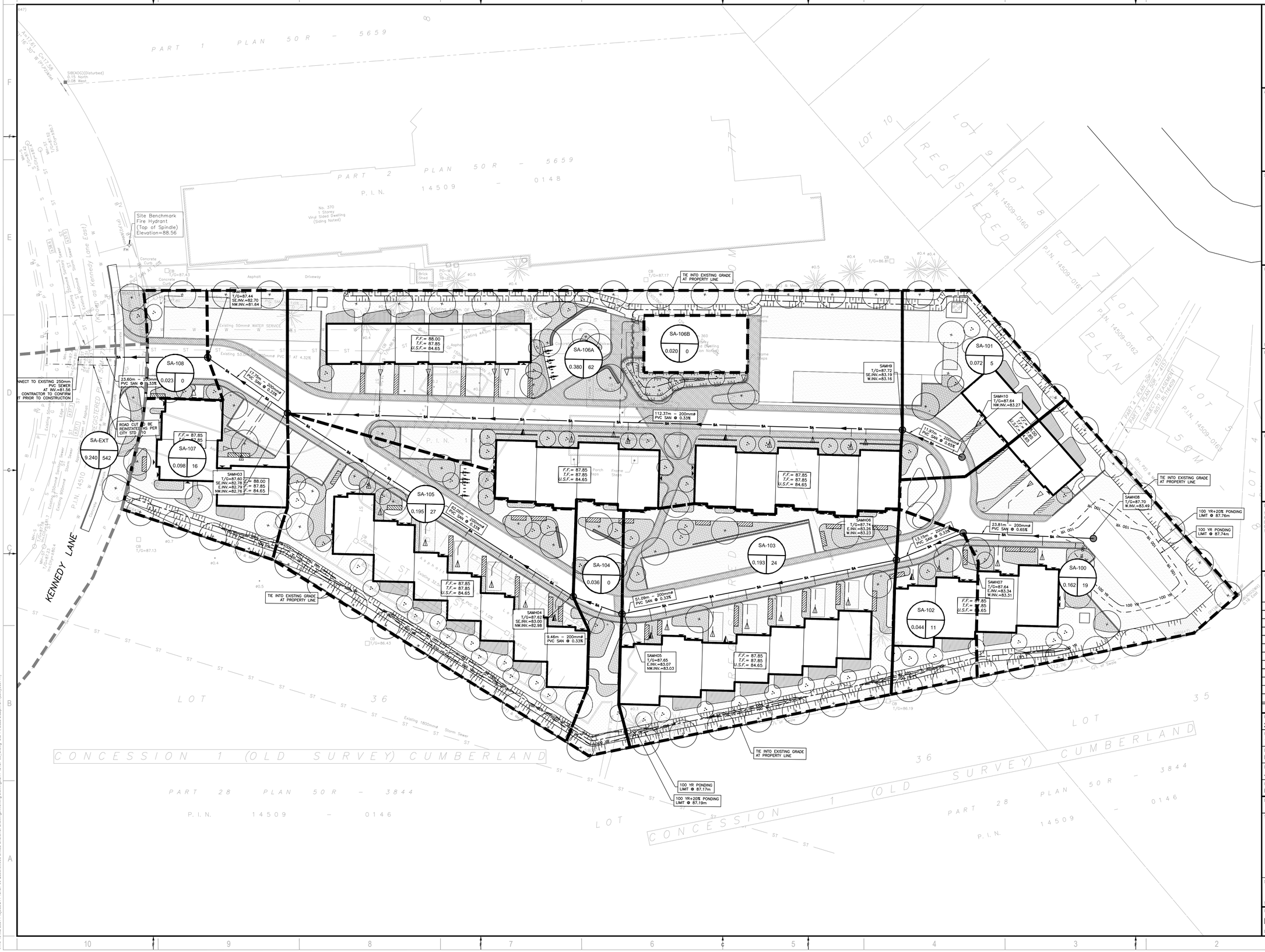

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TITLE: SANITARY DRAINAGE AREA PLAN

SHEET NUMBER: C07
SHEET #: 7 OF 8

ISSUE: RE-ISSUE FOR SPA AND ZBLA
REV #: 0
DATE OF: 2022-10-14

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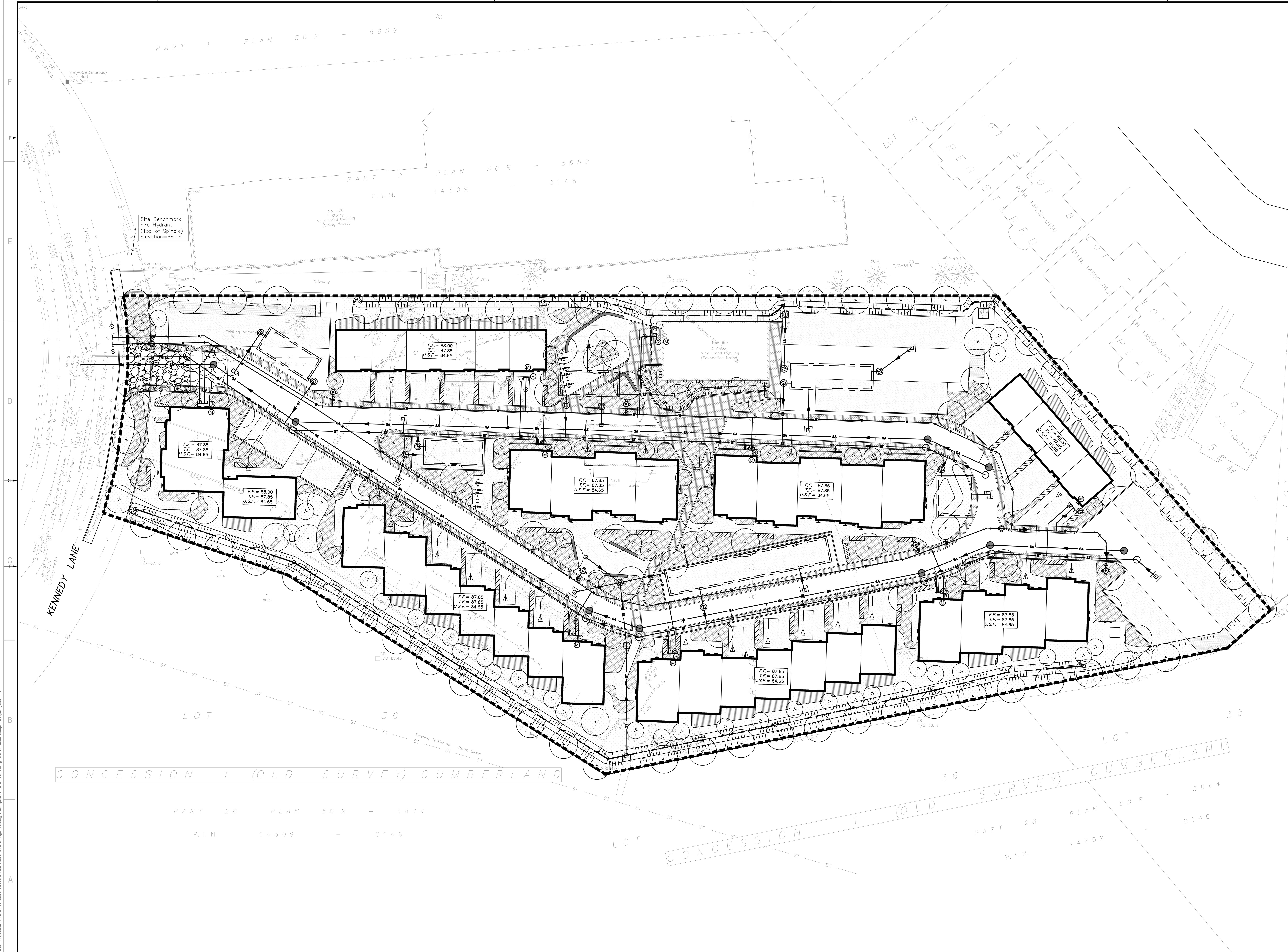

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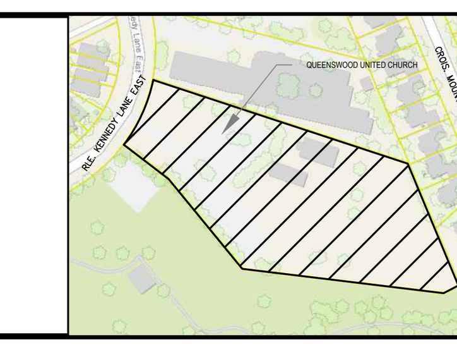
KEY PLAN:



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TITLE:

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER: C08
SHEET #: 8 OF 8

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