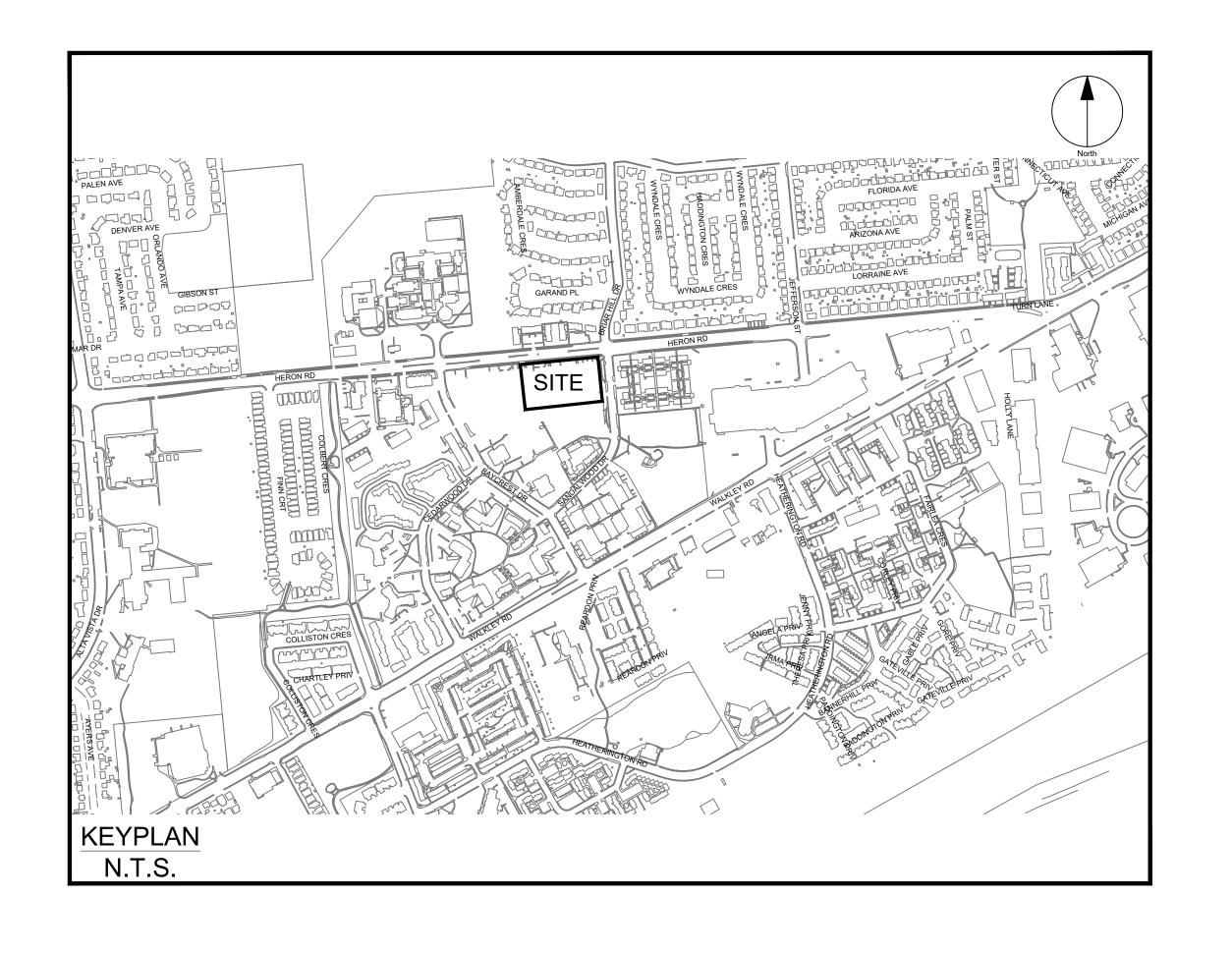
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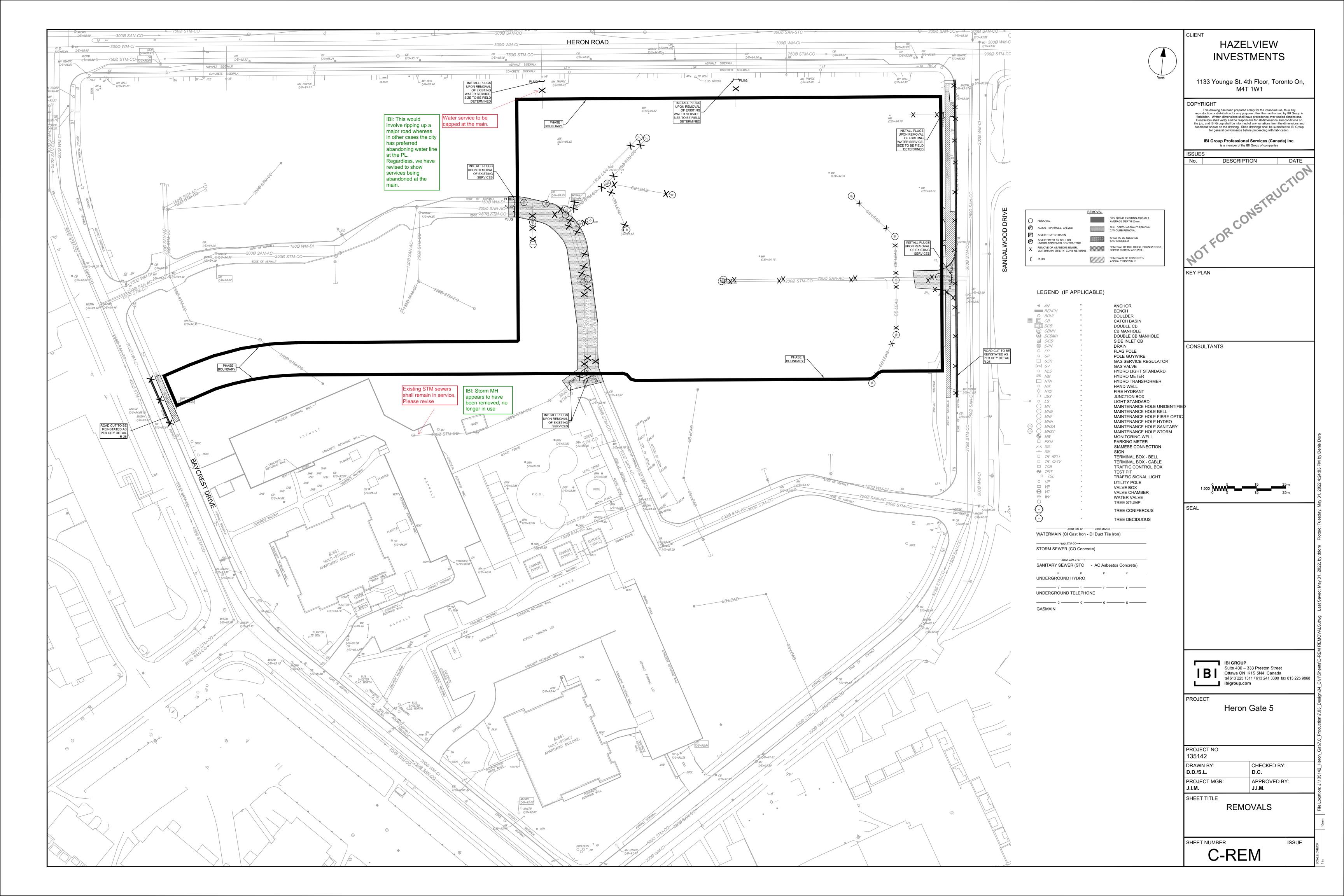


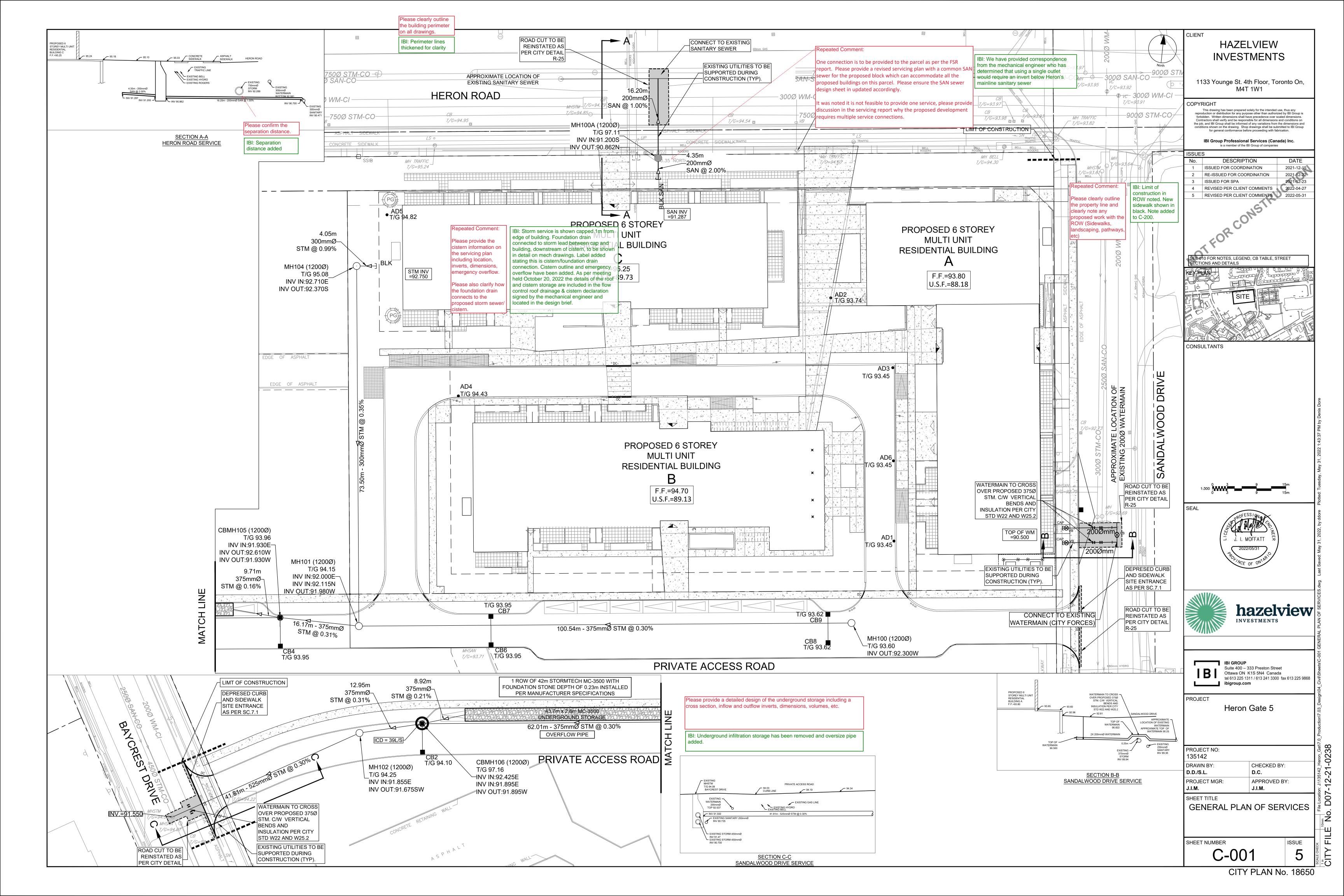
Sheet Number Sheet Title - Cover C-REM REMOVALS C-001 GENERAL PLAN OF SERVICES C-010 NOTES-LEGEND-CB DATA C-200 GRADING PLAN C-201 GRADING PLAN C-400 SANITARY DRAINAGE AREA C-500 STORM DRAINAGE AREA C-900 EROSION AND SEDIMENT CONTROL PLAN

HAZELVIEW INVESTMENTS



CONTRACT NO. 135142





UTILITY LEGEND

	TRANSFORMER
	TRANSFORMER C/W CONCRETE WINGS
HSG	HYDRO SWITCHGEAR
НМН	HYDRO MANHOLE
	BELL PEDESTAL
GLB	BELL GRADE LEVEL BOX (I=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m eas
FC	BELL FIBER CABINET (I=1200mm, w=750mm, d=500mm)
CSP	BELL CENTRAL SPLITTING POINTS (I=1175mm, w=1200mm, d=500mm)
	ROGERS PEDESTAL
\boxtimes	ROGERS VAULT (I=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement
P30 ←	STREET LIGHT
D	STREET LIGHT DISCONNECT
— -	STREET LIGHT GROUNDING
——————————————————————————————————————	JOINT UTILITY TRENCH
———H———	HYDRO CABLE AND DUCTS
———В———	BELL CABLE
BB	BELL DUCTS
T	ROGERS CABLE
TT	ROGERS DUCTS
	GAS
s	STREET LIGHT CABLE
	UTILITY DROP LOCATIONS
<u>10-DUCTS</u> 6-H	CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS
4-T	
<u>CMB</u>	COMMUNITY MAILBOX
	PROPOSED TREE LOCATION
(1)	ROOT MANAGEMENT BARRIER

SEDIMENT EROSION LEGEND

HEAVY DUTY SILT FENCE

	SNOW FENCE
₩	STRAW BALE CHECK DAM
Marcel armidel states marcel states	STRAW BALE CHECK DAM WITH FILTER CLOTH
	ROCK CHECK DAM
	SEDIMENT SACK PLACED UNDER EXISTING CB COVER
	TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

GENERAL LEGEND

	LIMIT OF CONSTRUCTION
	PHASING LINE
	BARRIER CURB
	MOUNTABLE CURB
	DEPRESSED BARRIER CURB
	CONCRETE SIDEWALK
	- TACTILE WALKING SURFACE INDICATOR
	ASPHALT SIDEWALK / PATHWAY
BUS	BUS STOP CONCRETE / ASPHALT

SERVICING LEGEND

O MH118A	SANITARY MANHOLE
200mmØ SAN	SANITARY SEWER
MH109 MH118	STORM MANHOLE
825mmØ STM	STORM SEWER - LESS THAN 900Ø
900mmØ STM	STORM SEWER - 900Ø AND GREATER
200Ø WATERMAIN	WATERMAIN
CB100	STREET CATCHBASIN C/W TOP OF GRATE
T/G 104.10 CICB101	CURB INLET CATCHBASIN C/W GUTTER GRADE
G/G 104.25 DCB100	
T/G 104.10 DCICB101	DOUBLE CATCHBASIN C/W TOP OF GRATE
G/G 104.25 CBMH100	DITCH INLET CATCHBASIN C/W GUTTER GRADE
T/G 103.59	CATCHBASIN MANHOLE C/W TOP OF GRATE
T/G 103.59	DITCH INLET MANHOLE C/W TOP OF GRATE
CB100 T/G 104.10	ICD LOCATION
RYCB T/G 104.35	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE
● AD4 T/G 94.43	AREA DRAIN OVER UNDERGROUND PARKING LEVEL
— O T /G 104.35 INV 103.35	REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
o ^{T/G} 104.50 NV 103.50	REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
T/G 104.35 NV 103.35	REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
T/G 104.35 INV 103.35	REAR YARD "THREE WAY" CATCHBASIN (450 \emptyset) C/W TOP OF GRATE AND INVERT OUT
	PERFORATED REAR YARD SUBDRAIN
300mmØ CSP	CSP CULVERT C/W DIAMETER
⊗ V&VB	VALVE AND VALVE BOX
⊗ V&VC	VALVE AND VALVE CHAMBER
→ HYD → 104.35	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
200Ø WM RED 150Ø WM	WATERMAIN REDUCER
2 VBENDS	VERTICAL BEND LOCATION
	SINGLE SERVICE LOCATION
BH 12	DOUBLE SERVICE LOCATION
102.00	INFERRED BEDROCK (SEE GEOTECHNICAL REPORT)
HGL 101.79 S/T	100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
HGL 101.79	STRESS TEST STORM HYDRAULIC GRADE LINE AT MANHOLE
108	UNDERSIDE OF FOOTING ELEVATION (WITH LOT #)
102.40	•

GRADING LEGEND

→ →	PROPOSED SWALE C/W FLOW DIRECTION
0.5%	PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE
1.3%	SLOPE C/W FLOW DIRECTION
<- □	MAJOR OVERLAND FLOW ROUTE
× 104.62	PROPOSED SPOT GRADE
×104.40 (S)	PROPOSED SWALE GRADE
×104.50 (S)HP	PROPOSED SWALE HIGH POINT GRADE
104.60 103.59 ×	LOT CORNER GRADE C/W EXISTING GRADE
86.45 EX ×	TIE INTO EXISTING GRADE
96.79	FULL STATIC PONDING GRADE
(3) (3) (4) (5) (5)	RETAINING WALL C/W TOP OF WALL AND GRASS GRADE
بليليليا	TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE
®	PRESSURE REDUCING VALVE
F.F.=	FINISHED FLOOR ELEVATION
(2R)	NUMBER OF ADDITIONAL RISERS
FF	NOISE FENCE LOCATION
—_F—F—_	NOISE FENCE GATE

NOTES:

- 1. ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION AND SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
- 3. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT
- 4. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BY LEGAL SURVEYOR BENCHMARK BASED ON CAN--NET VIRTUAL REFERENCE SYSTEM NETWORK. SITE BENCHMARK ELEVATION 95.46m ON TOP OF HYDRANT SPINDLE ON SOUTH SIDE OF HERON ROAD APPROXIMAETLY 65m WEST OF THE C/L OF SANDLEWOOD DRIVE.
- 5. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- 6. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- 7. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
- 8. SILT FENCE TO BE ERECTED PRIOR TO EARTH WORKS BEING COMMENCED. SILT FENCE TO BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL START OF SUBSEQUENT
- 9. STRAW BALE SEDIMENT TRAPS TO BE PLACED AND MAINTAINED IN EXISTING AND CONSTRUCTED ROADSIDE DITCHES. TRAPS TO REMAIN AND BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED (IF APPLICABLE).
- 10. SILT SACK TO BE PLACED AND MAINTAINED UNDER COVER OF ALL CATCHBASINS. GEOTEXTILE SILT SACK IN STREET CBs TO REMAIN UNTIL ALL CURBS ARE CONSTRUCTED. GEOTEXTILE FABRIC IN RYCBs TO REMAIN UNTIL VEGETATION IS ESTABLISHED. ALL CATCHBASINS TO BE REGULARLY INSPECTED AND CLEANED, AS NECESSARY, UNTIL SOD AND CURBS ARE CONSTRUCTED.
- 11. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE, BACKFILL, COMPACT AND REINSTATE.
- 13.ANY WATERMAIN WITH LESS THAN 2.4M DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.
- 14. ALL LEADS FOR STREET CB's TO AND CICB's CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB's CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- 15. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, AS PER ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
- 16. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES.
- 17. THE COMPOSITE UTILITY PLAN HAS BEEN REVIEWED BY IBI GROUP FOR CONFORMITY TO THE DESIGN CONCEPT FOR THE DEVELOPMENT AND FOR GENERAL ARRANGEMENT ONLY AND AS SUCH SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN EITHER LAYOUT OR WORKMANSHIP.
- 18. ALL UTILITY BOXES (I.E. PEDESTALS, TRANSFORMERS, ETS) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S "GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD RIGHT OF WAY"
- 19. THIS DRAWING IS A COMPILATION OF OTHER UTILITY DESIGNS AND DOES NOT INDICATE IN ANY WAY THAT THE PARTY SIGNING THIS DRAWING HAS DESIGNED OR APPROVED THE RESPECTIVE UTILITY PLANTS INDICATED ON THIS DRAWING. THE DRAWING WAS PREPARED TO BE USED AS REFERENCE ONLY AS PER REQUIREMENTS OF THE CITY OF OTTAWA. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE IT HAS REVIEWED THE CURRENT AND EXISTING DESIGNS BY HYDRO, STREET LIGHTING, BELL, CANADA POST, O.C. TRANSPO, CABLE TV AND ANY OTHER PARTIES INCLUDED BUT NOT MENTIONED AND COMPLETE THE INSTALLATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STAKEHOLDER UTILITY DESIGNS.

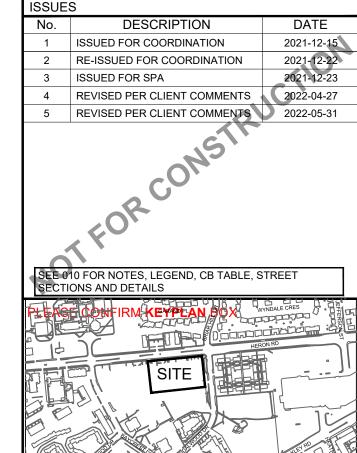
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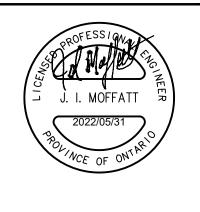
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PROJECT

Heron Gate 5

PROJECT NO: 135142 DRAWN BY: CHECKED BY: D.D./S.L. APPROVED BY: PROJECT MGR: J.I.M. J.I.M.

SHEET TITLE

GENERAL NOTES, LEGEND AND CB DATA TABLE

SHEET NUMBER

ISSUE C-010

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