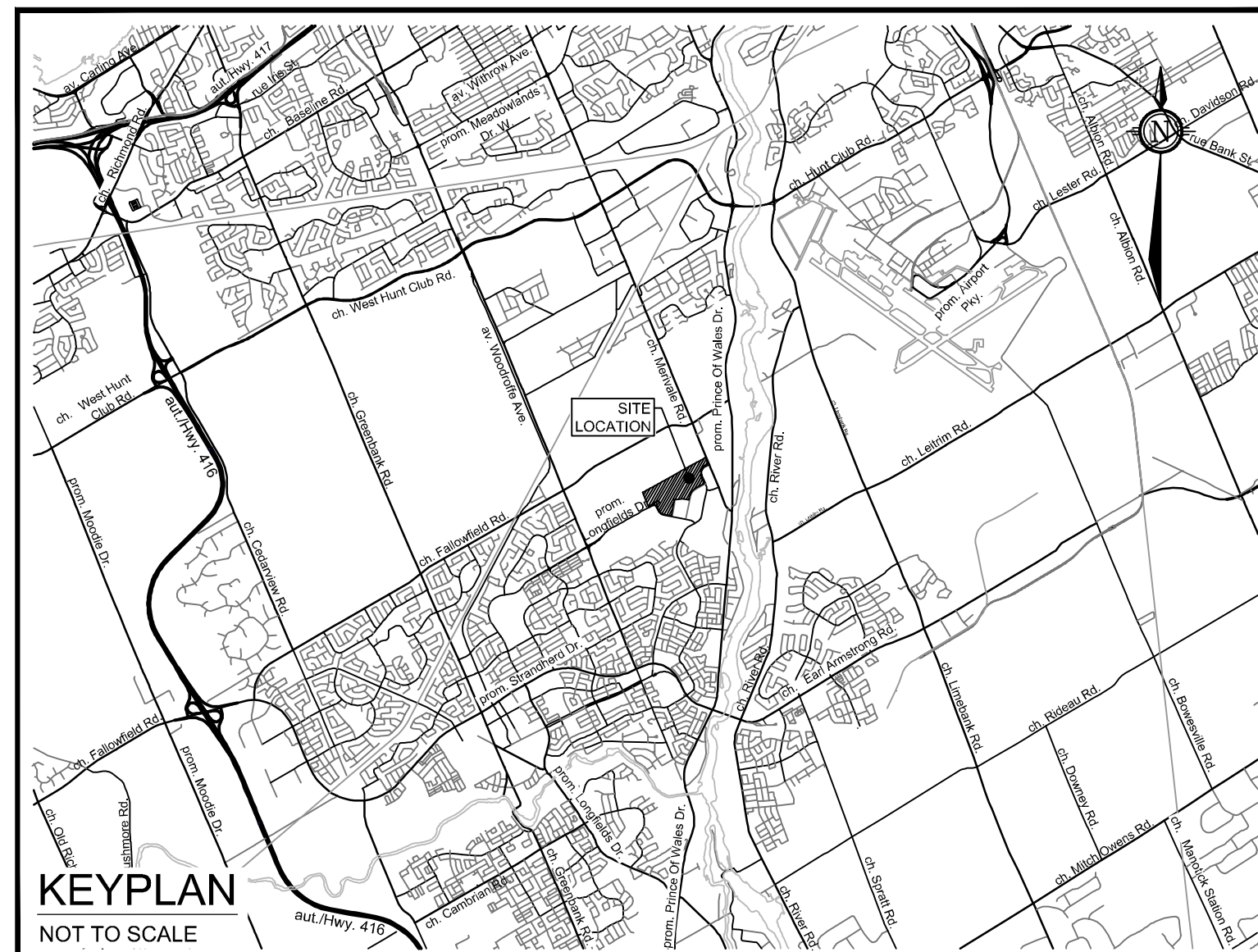


PROJECT X

99 BILL LEATHEM DR, 2 & 20 LEIKIN DR,
CITY OF OTTAWA

ROADS, SEWERS AND WATERMAINS



NOVATECH
Engineers, Planners & Landscape Architects
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Telephone (613) 254-9643
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Website www.novatech-eng.com

GKC
ARCHITECTS
100-1110 BAYVIEW AVENUE, SUITE 100, SCARBOROUGH, ONTARIO M1H 2C4

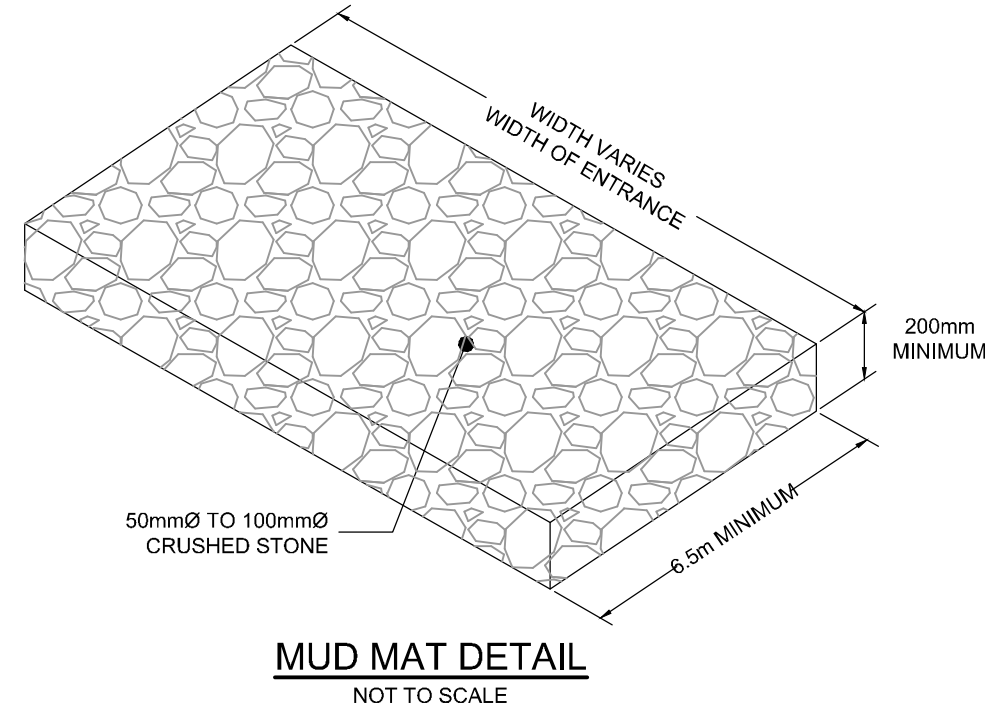
PROJECT No. 124123

ISSUED FOR SITE PLAN APPLICATION

INDEX
NOTES AND DETAILS PLAN
124123-ND - NOTES AND DETAILS
GENERAL PLAN OF SERVICES
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124123-GR4 - SOUTH WESTERN QUADRANT
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124123-GR6 - SOUTH EASTERN QUADRANT
EROSION SEDIMENT CONTROL PLAN
124123-ESC - EROSION SEDIMENT CONTROL

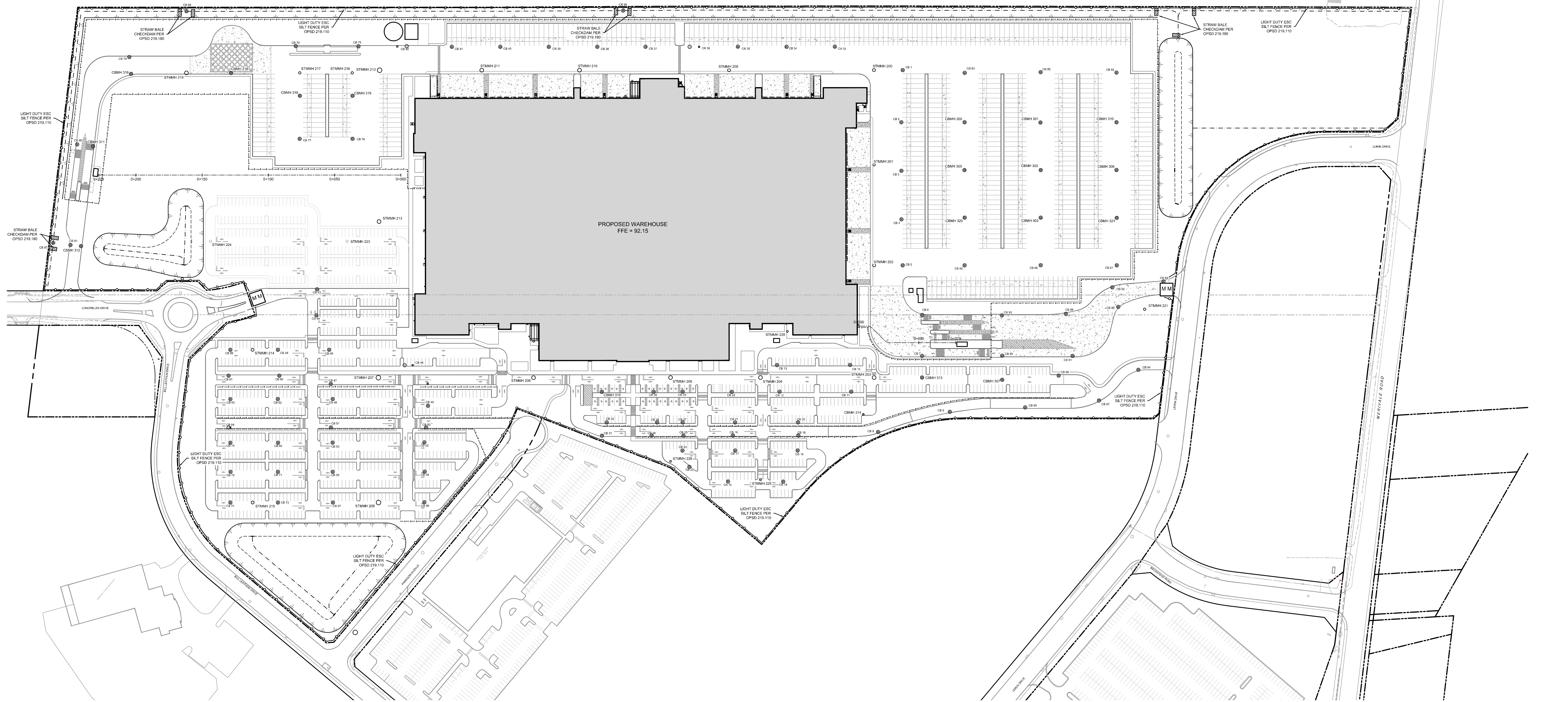
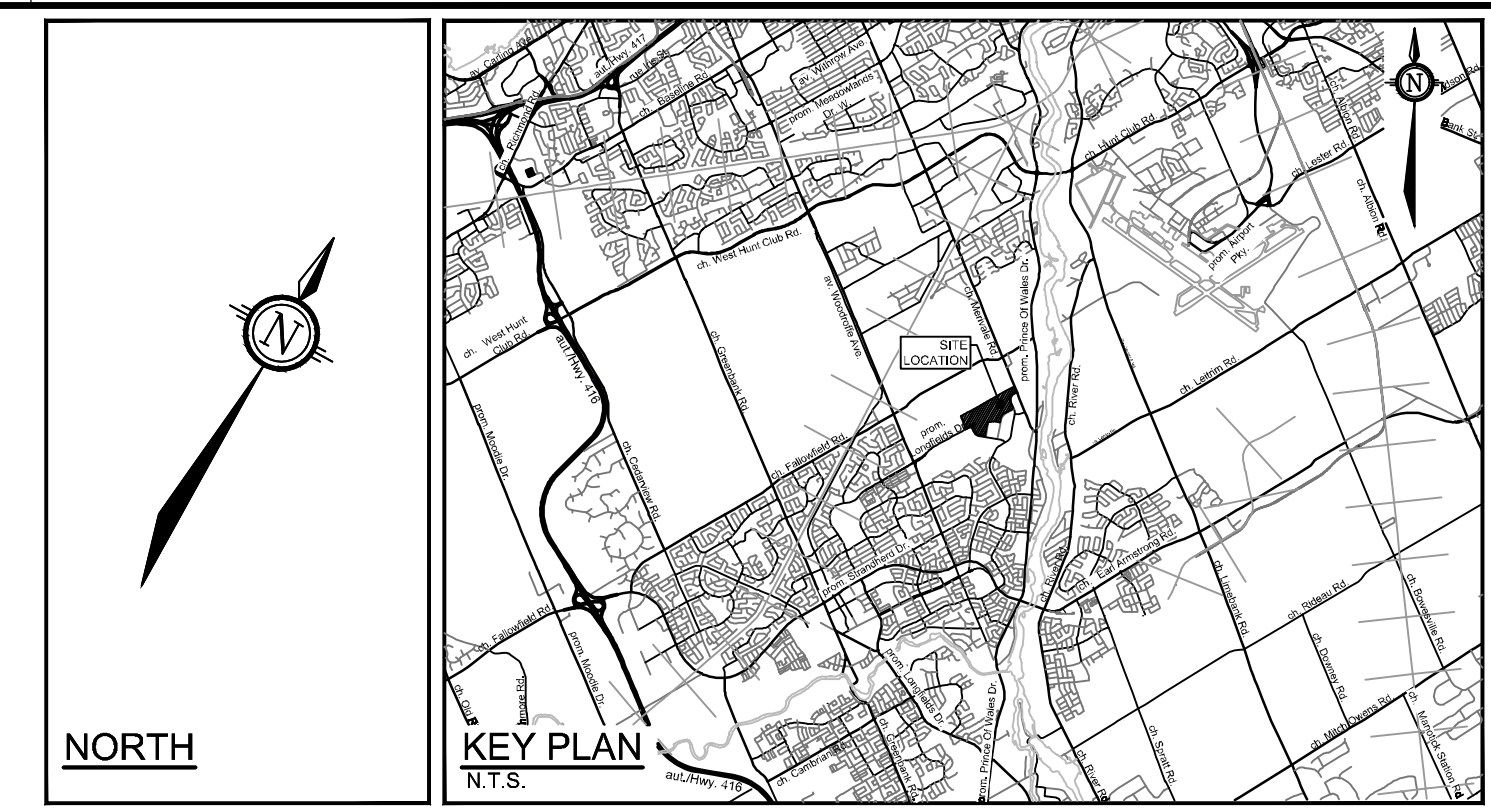
LEGEND

- PROPERTY LINE
- - - PROPOSED SWALE
- ||||| TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
- PROPOSED FILTER BAGS AT CATCHBASINS, CATCHBASIN MANHOLES AND TRENCHDRAINS
- MM PROPOSED MUD MAT
- - - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
- - - PROPOSED SECURITY FENCE (REFER TO LANDSCAPE)
- LIGHT DUTY SILT FENCE (OPSD 219.110)
- PROPOSED STORM MANHOLE
- PROPOSED BOX MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- ▽ PROPOSED BUILDING ENTRANCE
- ▨ STRAW BALE CHECK DAM (OPSD 219.180)
- ▨ RIP-RAP
- ▨ PROPOSED RETAINING WALL
- STMH ○ EXISTING STORM MANHOLE
- CB □ EXISTING CATCHBASIN
- LS ○ EXISTING LIGHT STANDARD
- X EXISTING FENCE



EROSION AND SEDIMENT CONTROL NOTES:

- 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.
- 1) THE OWNER AGREES TO PREPARE AND IMPLEMENT AN EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING FILTER CLOTHS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
 - 2) THE CONTRACTOR SHALL PLACE FILTER BAGS UNDER THE CATCHBASIN AND MANHOLE GRATES FOR THE DURATION OF CONSTRUCTION AND WILL REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION.
 - 3) SILT FENCING FOR ENTIRE PERIMETER OF SITE, SHALL BE UTILIZED TO CONTROL EROSION FROM THE SITE DURING CONSTRUCTION.
 - 4) THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
 - 5) PROVIDE MUD MATS AT ALL CONSTRUCTION ACCESS POINTS TO MINIMIZE SEDIMENT TRANSPORT OFFSITE.
 - 6) EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA SITE INSPECTOR OR CONSERVATION AUTHORITY.



REFER TO 124123-ND FOR ADDITIONAL NOTES

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

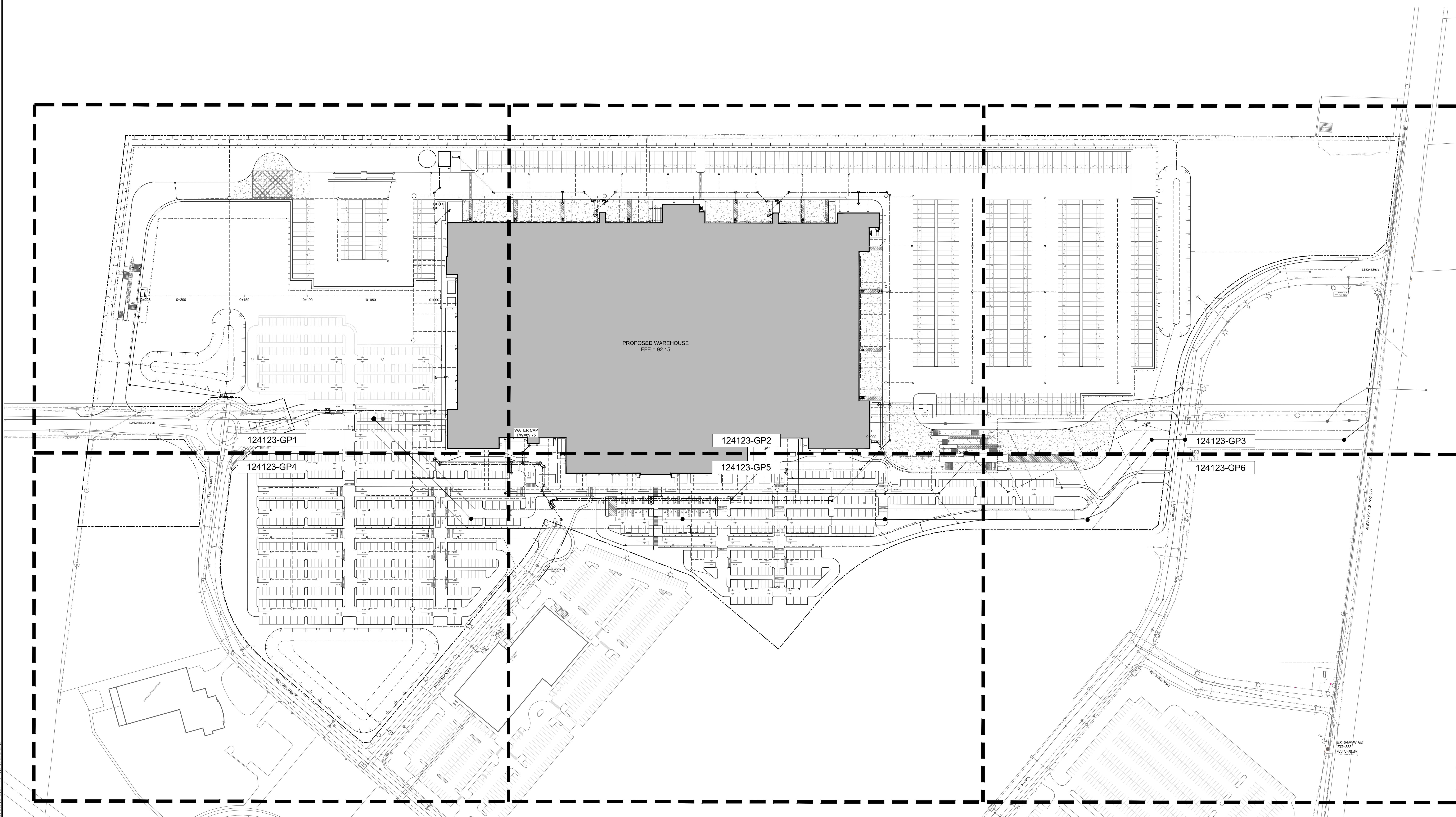
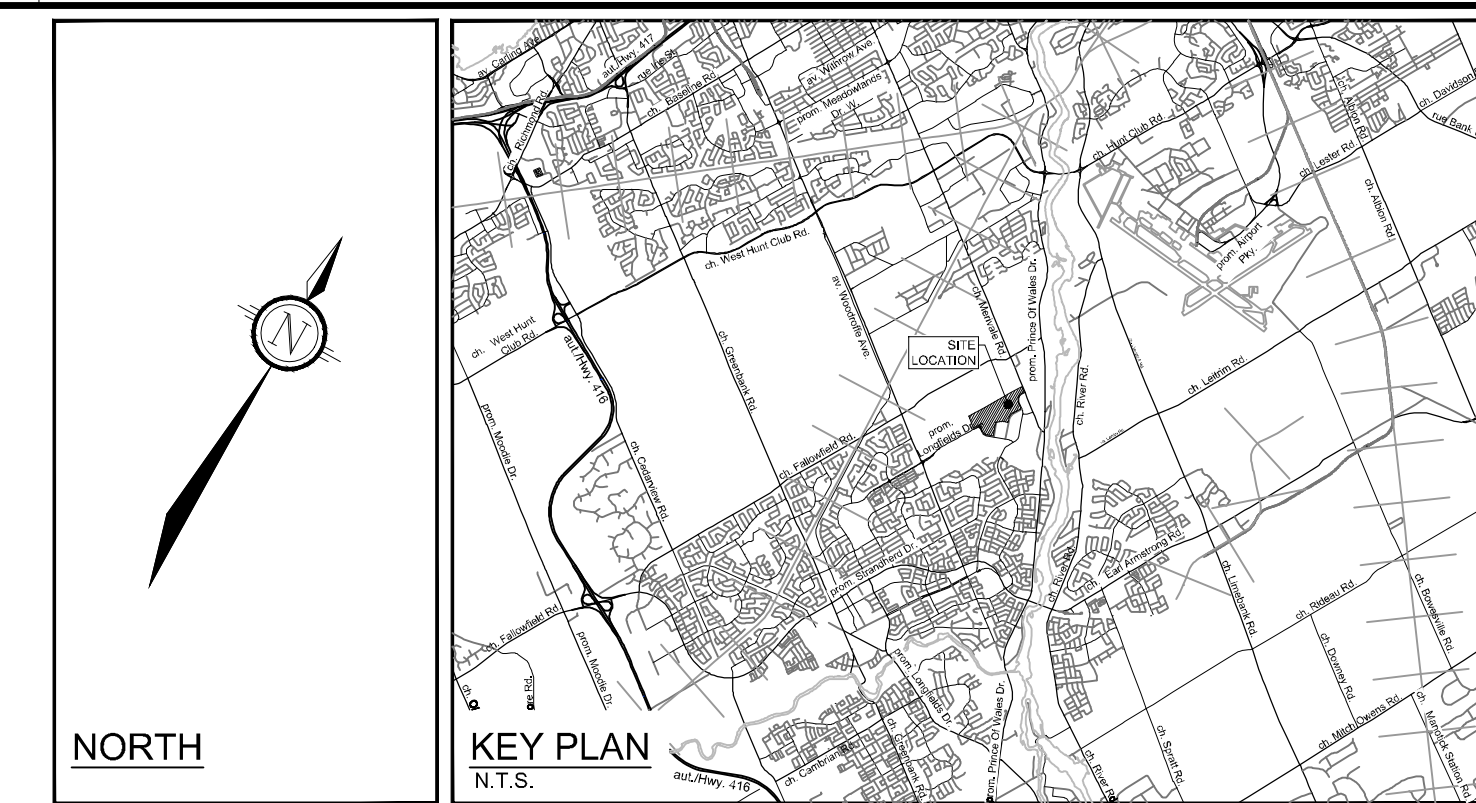
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DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



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LOCATION CITY OF OTTAWA 99 BILL LEATHEN, 2 & 20 LEIKEN DRIVE	
DRAWING NAME EROSION AND SEDIMENT CONTROL	PROJECT No. 124123
	REV # 1
	DRAWING No. 124123-ESC

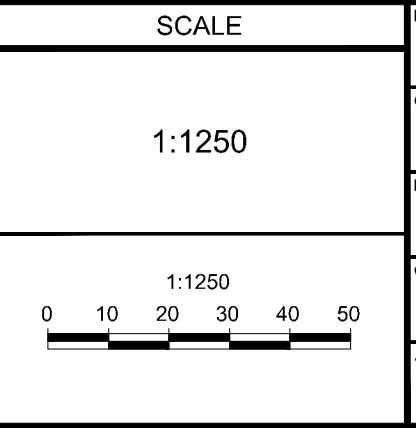


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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHEM, 2 & 20 LEIKEN DRIVE
 DRAWING NAME
**GENERAL PLAN OF SERVICES
OVERALL**

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GPO

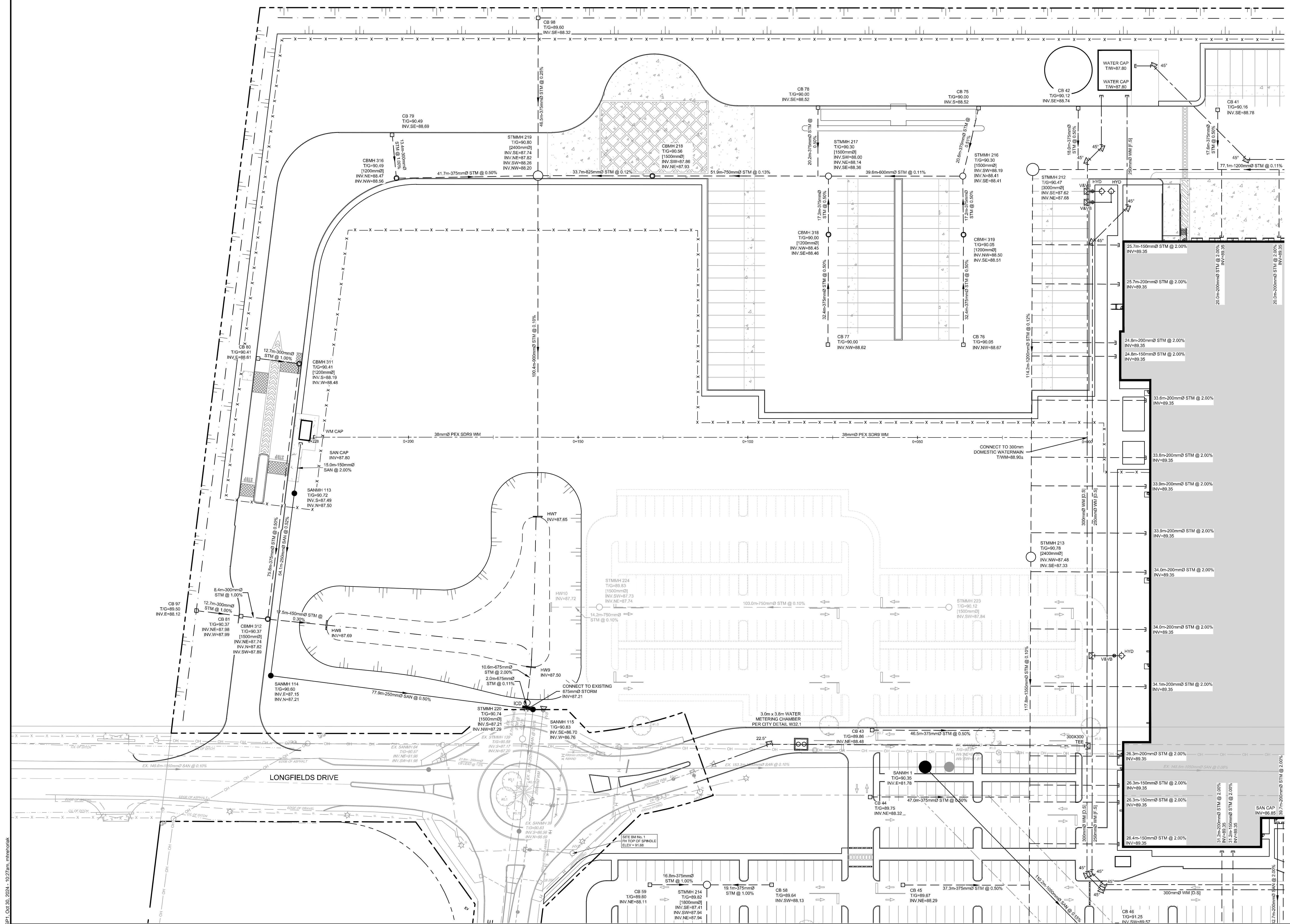
NORTH

KEY PLAN
N.T.S.

LEGEND

- PROPERTY LINE
- PROPOSED CURB
- DC — PROPOSED DEPRESSED CURB
- FC — PROPOSED FLUSH CURB
- PROPOSED ASPHALT PATHWAY
- PROPOSED CONCRETE TRUCK WHEEL STOP
- PROPOSED BITUMINOUS CONCRETE SPEED BUMP
- PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
- TACTILE WALKING SURFACE INDICATOR (TWS) PER CITY DETAIL SCT.3
- PROPOSED CAP
- PROPOSED SANITARY SERVICE c/w MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED BOX MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
- PROPOSED HEADWALL (OPSD 804.040) c/w GALVANIZED RAILING
- PROPOSED INLET CONTROL DEVICE
- PROPOSED WATER SERVICE
- PROPOSED WATER METER CHAMBER
- PROPOSED HYDRANT c/w LEAD & VALVE
- PROPOSED VALVE AND VALVE BOX
- PROPOSED POST INDICATOR VALVE
- PROPOSED BUILDING ENTRANCE
- DIRECTION OF FLOW
- PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
- PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
- PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
- PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
- PROPOSED CAMERA (SENSOR AND BOLLARDS) (REFER TO ARCHITECTURAL DRAWINGS)
- PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
- EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
- BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
- TEST PIT LOCATION (REFER TO GEOTECH REPORT)
- CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
- EXISTING UTILITY POLE c/w GUY WIRES
- EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
- EXISTING HYDRANT c/w VALVE & LEAD
- EXISTING SANITARY MANHOLE & SEWER
- EXISTING STORM MANHOLE & SEWER
- EXISTING CATCHBASIN
- EXISTING GAS MAIN
- EXISTING OVERHEAD WIRES
- EXISTING BELL LINE
- EXISTING TELECOMMUNICATIONS LINE
- EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING PARKING LOT SIGNAGE

NOTE:
 1. ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2
 2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2



NOTE:
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SCALE

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DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH

LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GENERAL PLAN OF SERVICES
NORTH WESTERN QUADRANT**

PROJECT NO. 124123

REV # 1

DRAWING NO. 124123-GP1

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PROFESSIONAL ENGINEER
M.J. HREHORAK
E.O. 121256
OCT 29/24
PROVINCE OF ONTARIO

2024/04/12 12:22:00 C:\Users\m.menard\OneDrive\Desktop\124123-GP1.dwg GP1_Cad 13.0_2024 - 10:27am, m.menard

NORTH

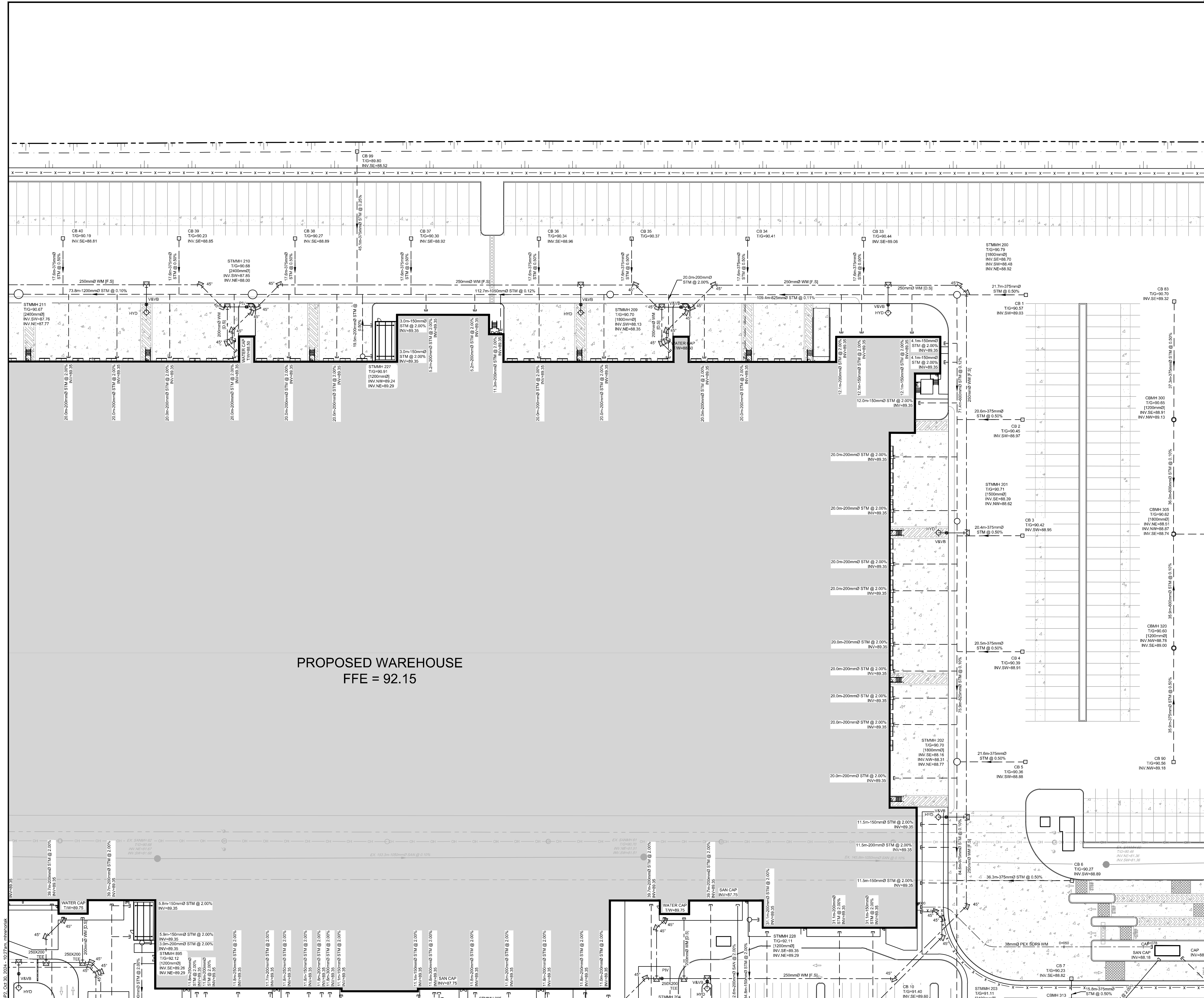
KEY PLAN
N.T.S.

LEGEND

- PROPERTY LINE
- PROPOSED CURB
- DC PROPOSED DEPRESSED CURB
- FC PROPOSED FLUSH CURB
- PROPOSED ASPHALT PATHWAY
- PROPOSED CONCRETE TRUCK WHEEL STOP
- PROPOSED BITUMINOUS CONCRETE SPEED BUMP
- PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
- TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL SCT.3
- PROPOSED CAP
- PROPOSED SANITARY SERVICE c/w MANHOLE
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED BOX MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
- PROPOSED HEADWALL (OPSD 804.040) c/w GALVANIZED RAILING
- PROPOSED INLET CONTROL DEVICE
- PROPOSED WATER SERVICE
- PROPOSED WATER METER CHAMBER
- PROPOSED HYDRANT c/w LEAD & VALVE
- V&V PROPOSED VALVE AND VALVE BOX
- PIV PROPOSED POST INDICATOR VALVE
- PROPOSED BUILDING ENTRANCE
- DIRECTION OF FLOW
- x-x-x-x PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
- - - - - PROPOSED PESTIPED FENCE (REFER TO LANDSCAPE)
- PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
- PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
- PROPOSED CAMERA (SENSOR AND BOLLARDS) (REFER TO ARCHITECTURAL DRAWINGS)
- PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
- EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
- BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
- TEST PIT LOCATION (REFER TO GEOTECH REPORT)
- CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
- EXISTING UTILITY POLE c/w GUY WIRES
- V&VC EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
- SAN/SM EXISTING SANITARY c/w VALVE & LEAD
- SAN/SM EXISTING SANITARY MANHOLE & SEWER
- STMMH EXISTING STORM MANHOLE & SEWER
- CB 1 EXISTING CATCHBASIN
- G EXISTING GAS MAIN
- O EXISTING OVERHEAD WIRES
- B EXISTING BELL LINE
- TEL EXISTING TELECOMMUNICATIONS LINE
- H EXISTING HYDRO
- EXISTING STREETLIGHT
- EXISTING PARKING LOT SIGNAGE

NOTE:
 1. ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2
 2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2

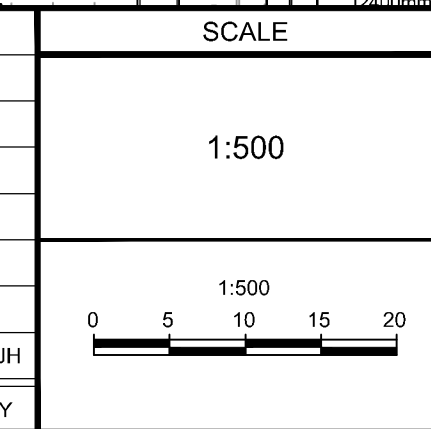
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MJH	DRAWN
LSC	CHECKED
MJH	APPROVED
MJH	

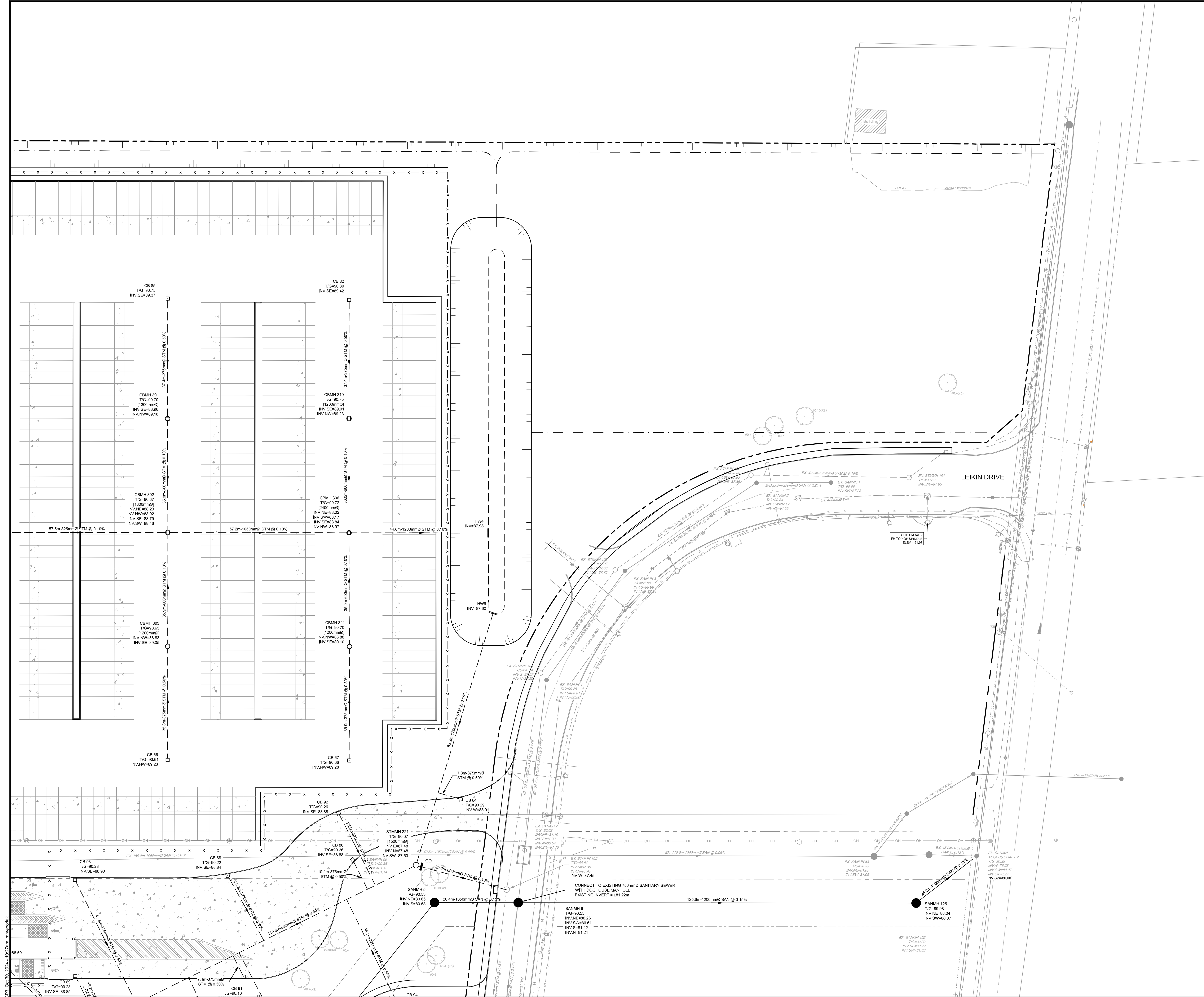
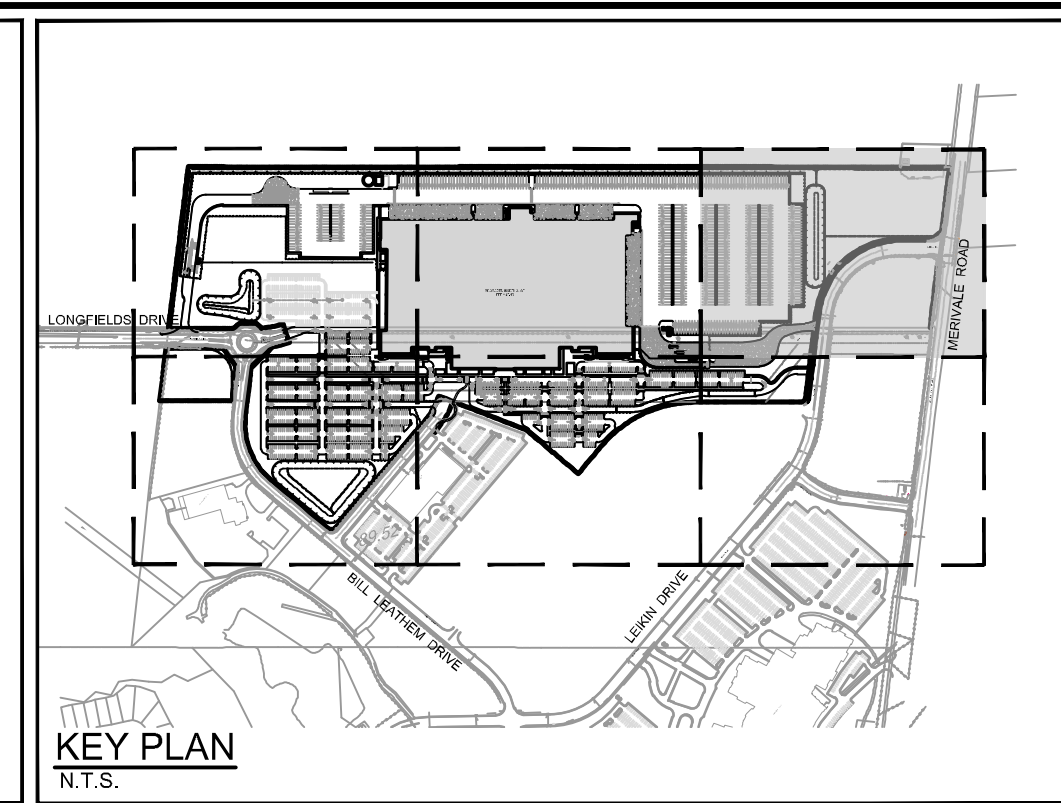
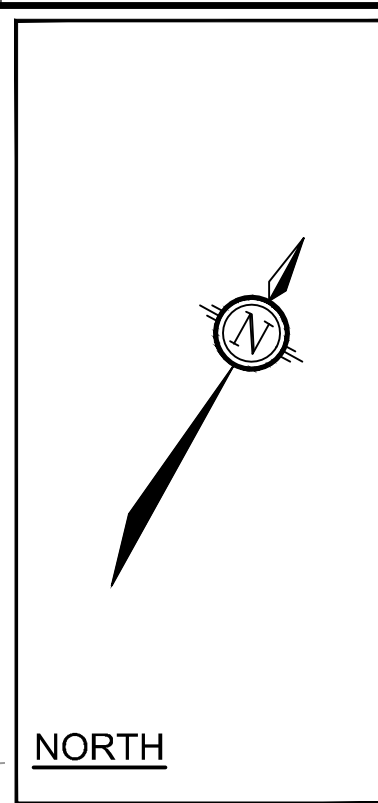


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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
 GENERAL PLAN OF SERVICES
 NORTH CENTRAL QUADRANT

PROJECT No.: 124123
 REV # 1
 DRAWING No.: 124123-GP2



- LEGEND**
- PROPERTY LINE
 - PROPOSED CURB
 - DC — PROPOSED DEPRESSED CURB
 - FC — PROPOSED FLUSH CURB
 - PROPOSED ASPHALT PATHWAY
 - PROPOSED CONCRETE TRUCK WHEEL STOP
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL SCT.3
 - PROPOSED CAP
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 - PROPOSED CATCHBASIN
 - PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
 - PROPOSED HEADWALL (OPSD 804.040) C/W GALVANIZED RAILING
 - PROPOSED INLET CONTROL DEVICE
 - PROPOSED WATER SERVICE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED HYDRANT c/w LEAD & VALVE
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF FLOW
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 - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
 - PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
 - PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED CAMERA SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
 - EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
 - BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
 - TEST PIT LOCATION (REFER TO GEOTECH REPORT)
 - COME PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
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NOTE:
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SCALE

1:500

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CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



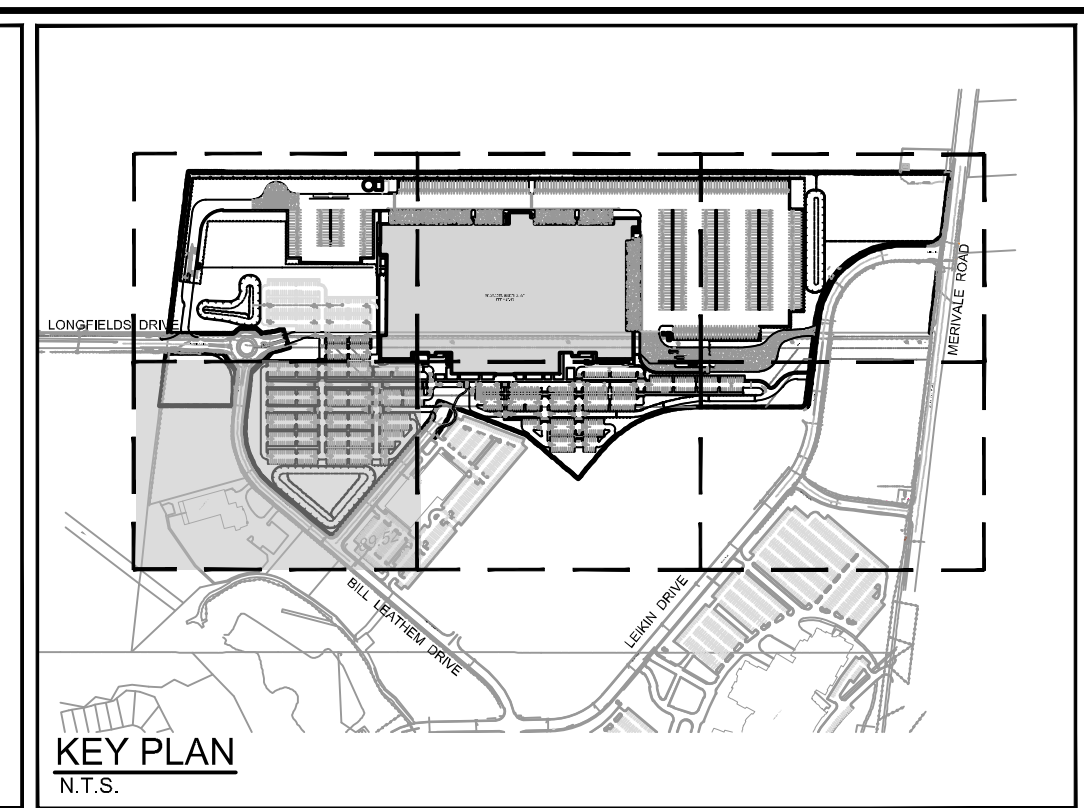
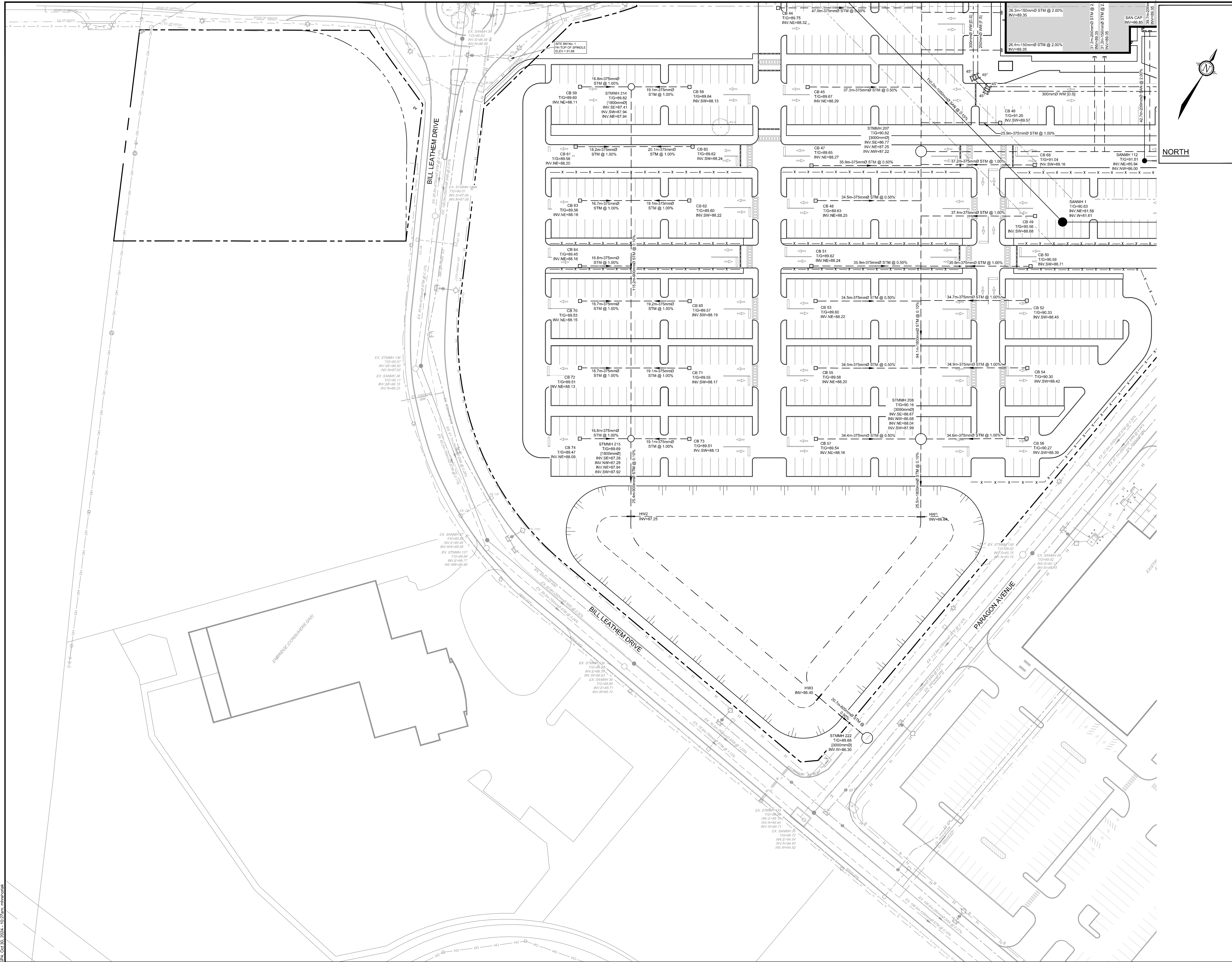
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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

DRAWING NAME
**GENERAL PLAN OF SERVICES
 NORTH EASTERN QUADRANT**

No.	REVISION	DATE	BY
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH

PROJECT NO.	124123
REV	REV # 1
DRAWING NO.	124123-GRP3



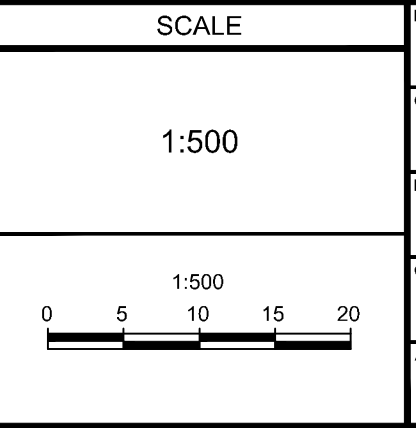
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 - PROPOSED SANITARY SERVICE c/w MANHOLE
 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED BOX MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
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 - PROPOSED INLET CONTROL DEVICE
 - PROPOSED WATER SERVICE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED HYDRANT c/w LEAD & VALVE
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
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 - DIRECTION OF FLOW
 - PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
 - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
 - PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
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 - PROPOSED CAMERA SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
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 - BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
 - TEST PIT LOCATION (REFER TO GEOTECH REPORT)
 - CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
 - EXISTING UTILITY POLE c/w GUY WIRES
 - W/V/C — EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
 - EXISTING HYDRANT c/w VALVE & LEAD
 - SAN/MH — EXISTING SANITARY MANHOLE & SEWER
 - ST/MH — EXISTING STORM MANHOLE & SEWER
 - CB — EXISTING CATCHBASIN
 - G — EXISTING GAS MAIN
 - OH — EXISTING OVERHEAD WIRES
 - B — EXISTING BELL LINE
 - TEL — EXISTING TELECOMMUNICATIONS LINE
 - H — EXISTING HYDRO
 - EXISTING STREETLIGHT
 - EXISTING PARKING LOT SIGNAGE

NOTE:
 1. ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2.
 2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2.

NOTE:
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No.	REVISION	DATE	BY
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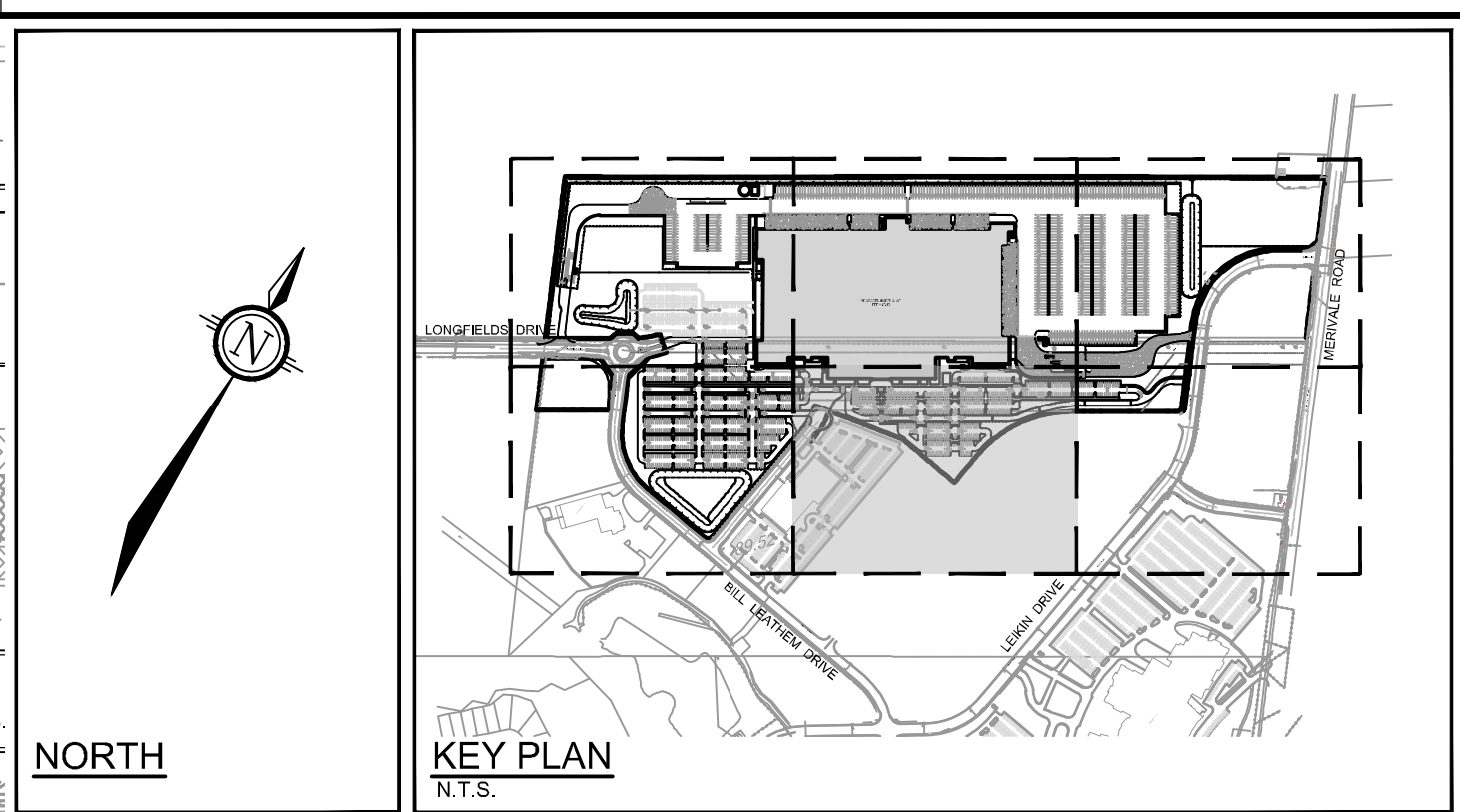
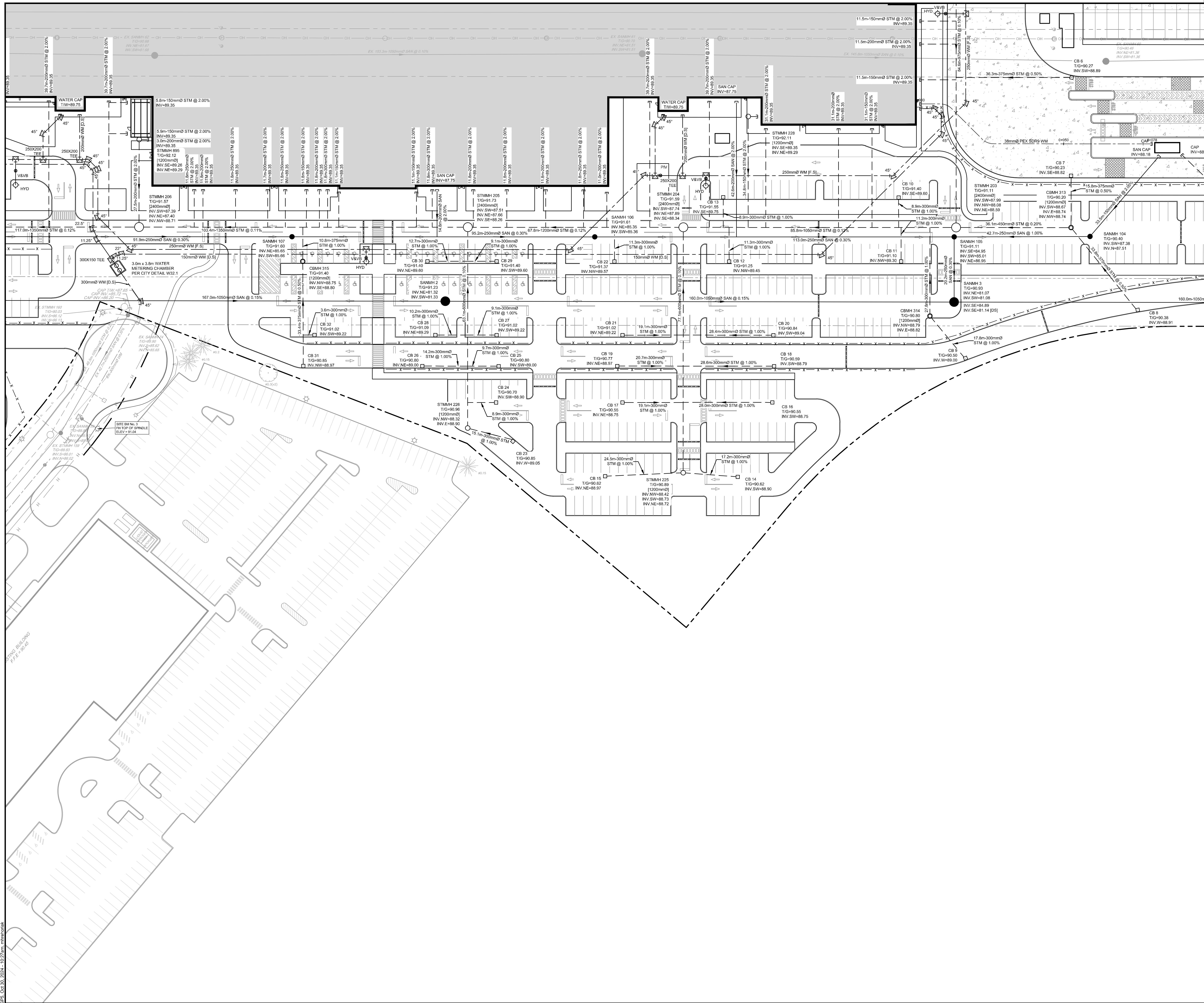
DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



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LOCATION CITY OF OTTAWA 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE	PROJECT No. 124123
DRAWING NAME GENERAL PLAN OF SERVICES SOUTH WESTERN QUADRANT	REV # 1
	DRAWING No. 124123-GP4

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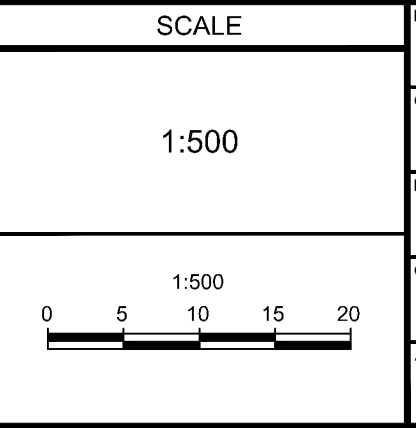
- LEGEND**
- PROPERTY LINE
 - PROPOSED CURB
 - DC --- PROPOSED DEPRESSED CURB
 - FC --- PROPOSED FLUSH CURB
 - PROPOSED ASPHALT PATHWAY
 - PROPOSED CONCRETE TRUCK WHEEL STOP
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL S07.3
 - PROPOSED CAP
 - PROPOSED SANITARY SERVICE c/w MANHOLE
 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED BOX MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
 - PROPOSED HEADWALL (OPSD 804.040) c/w GALVANIZED RAILING
 - PROPOSED INLET CONTROL DEVICE
 - PROPOSED WATER SERVICE
 - PROPOSED WATER METER CHAMBER
 - PROPOSED HYDRANT c/w LEAD & VALVE
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF FLOW
 - PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
 - PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
 - PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
 - PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED CAMERA SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
 - EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
 - BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
 - TEST PIT LOCATION (REFER TO GEOTECH REPORT)
 - CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
 - EXISTING UTILITY POLE c/w GUY WIRES
 - EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
 - EXISTING HYDRANT c/w LEAD & VALVE
 - EXISTING SANITARY MANHOLE & SEWER
 - EXISTING STORM MANHOLE & SEWER
 - EXISTING CATCHBASIN
 - EXISTING GAS MAIN
 - EXISTING OVERHEAD WIRES
 - EXISTING BELL LINE
 - EXISTING TELECOMMUNICATIONS LINE
 - EXISTING HYDRO
 - EXISTING STREETLIGHT
 - EXISTING PARKING LOT SIGNAGE

NOTE:
 1. ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2
 2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2

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DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



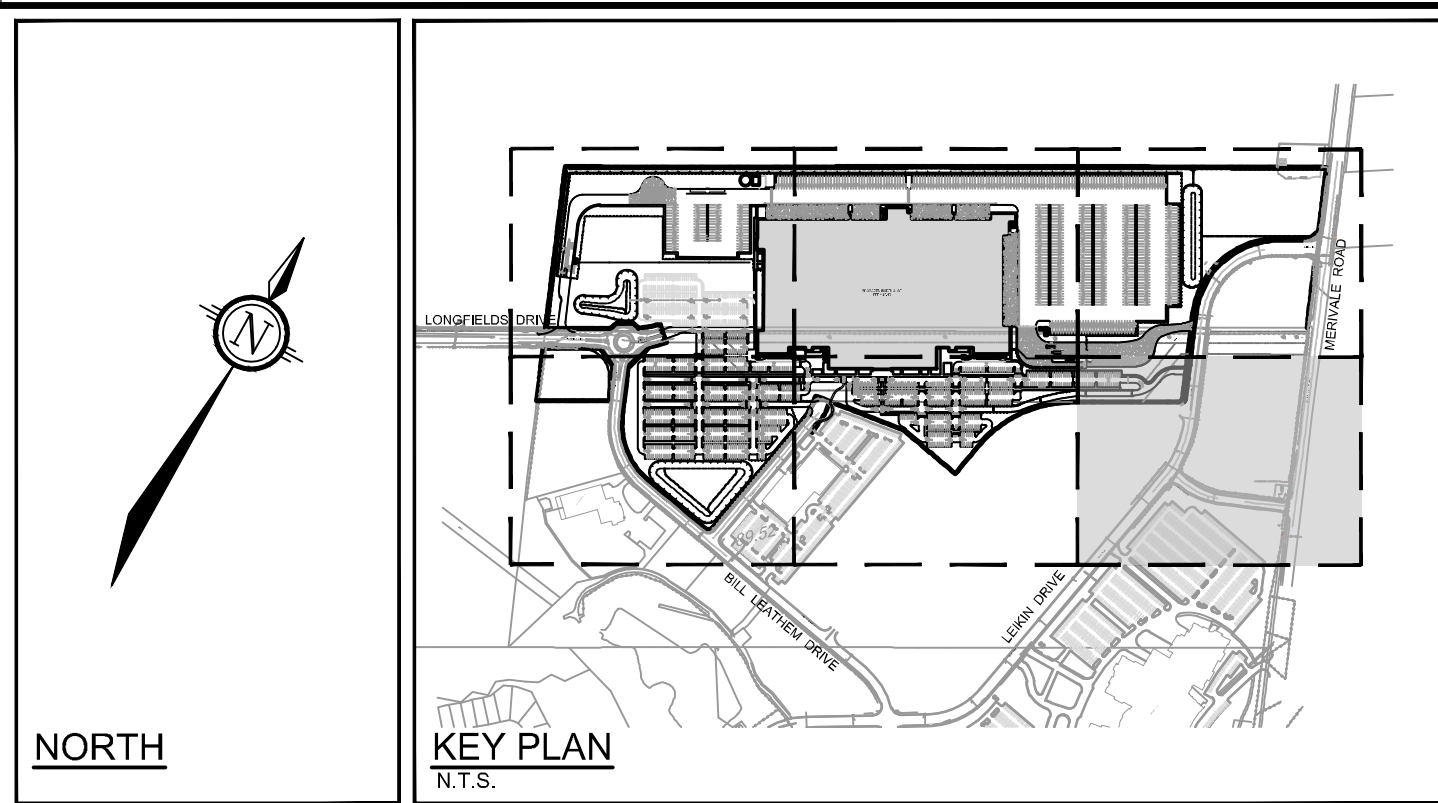
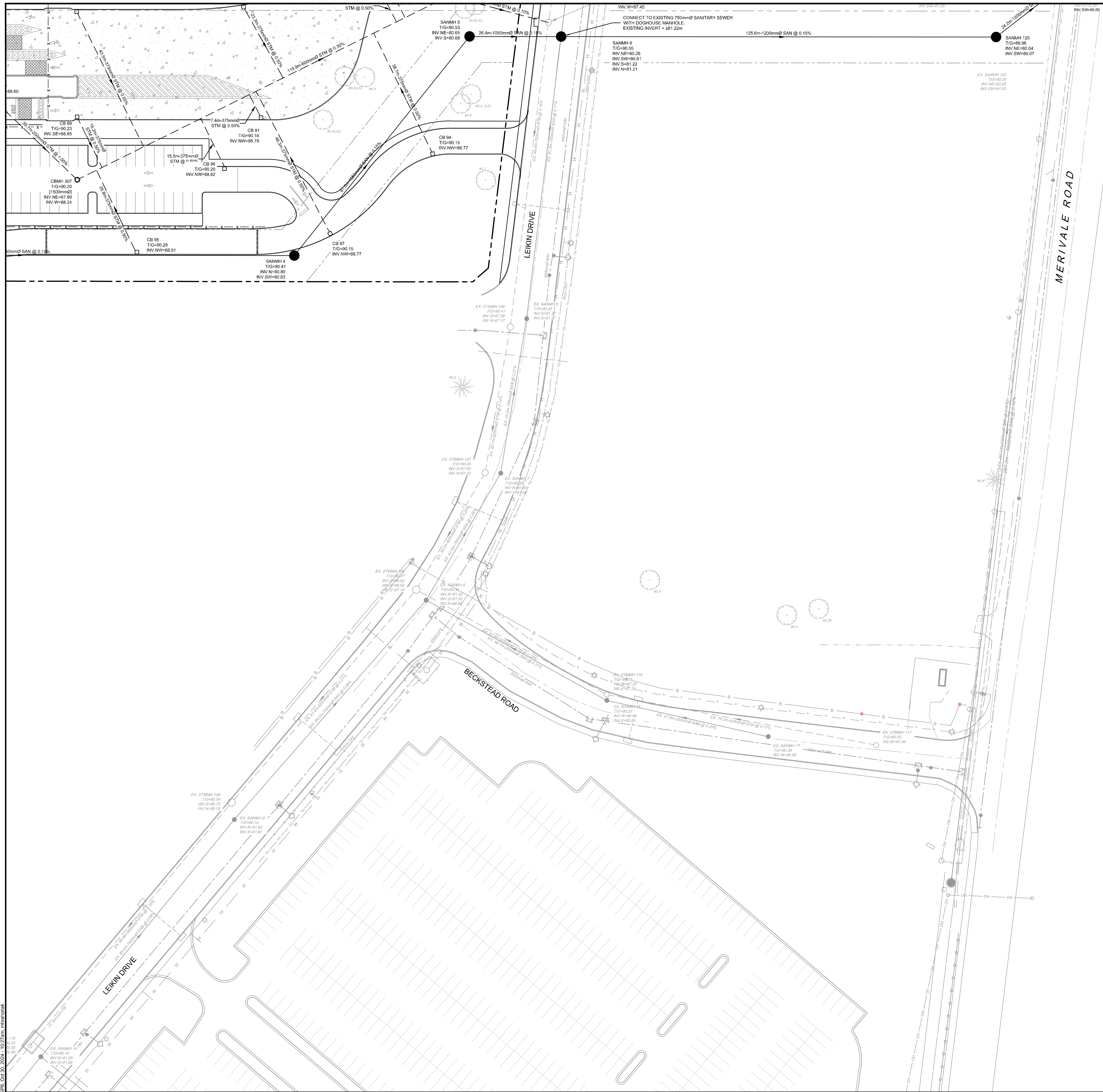
NOVATECH
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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GENERAL PLAN OF SERVICES
 SOUTH CENTRAL QUADRANT**

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GP5

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- LEGEND**
- PROPERTY LINE
 - PROPOSED CURB
 - DC — PROPOSED DEPRESSED CURB
 - FC — PROPOSED FLUSH CURB
 - ▭ — PROPOSED ASPHALT PATHWAY
 - ▭ — PROPOSED CONCRETE TRUCK WHEEL STOP
 - ▭ — PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - — PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - ▭ — TACTILE WALKING SURFACE INDICATOR (TWSI) PER CITY DETAIL SCT.3
 - ⊠ — PROPOSED CAP
 - — PROPOSED SANITARY SERVICE c/w MANHOLE
 - — PROPOSED STORM SEWER AND MANHOLE
 - — PROPOSED BOX MANHOLE
 - — PROPOSED CATCHBASIN MANHOLE
 - — PROPOSED CATCHBASIN
 - — PROPOSED DOWNSPOUT CONNECTION (REFER TO DETAIL DWG. 124123-NDGP)
 - ▭ — PROPOSED HEADWALL (OPSD 804.040) c/w GALVANIZED RAILING
 - ▭ — PROPOSED INLET CONTROL DEVICE
 - — PROPOSED WATER SERVICE
 - ▭ — PROPOSED WATER METER CHAMBER
 - — PROPOSED HYDRANT c/w LEAD & VALVE
 - V&V — PROPOSED VALVE AND VALVE BOX
 - PIV — PROPOSED POST INDICATOR VALVE
 - ▭ — PROPOSED BUILDING ENTRANCE
 - ▭ — DIRECTION OF FLOW
 - x — x — PROPOSED CHAINLINK FENCE (REFER TO LANDSCAPE)
 - — PROPOSED PEDESTRIAN FENCE (REFER TO LANDSCAPE)
 - ⊙ — PIPE CROSSING (REFER TO 124123-NDGP FOR CROSSING DETAILS)
 - — PROPOSED SITE LIGHTING (REFER TO ARCHITECTURAL DRAWINGS)
 - ▽ — PROPOSED CAMERA / SENSOR AND BOLLARDS (REFER TO ARCHITECTURAL DRAWINGS)
 - ▲ — PROPOSED SIGNAGE (REFER TO ARCHITECTURAL DRAWINGS)
 - ⊕ — EV POWER DISPENSER (REFER TO MECHANICAL DRAWINGS)
 - ★ — BOREHOLE LOCATION (REFER TO GEOTECH REPORT)
 - ★ — TEST PIT LOCATION (REFER TO GEOTECH REPORT)
 - ★ — CONE PENETRATION TEST LOCATION (REFER TO GEOTECH REPORT)
 - — EXISTING UTILITY POLE c/w GUY WIRES
 - V&V — EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
 - — EXISTING HYDRANT c/w VALVE & LEAD
 - SMMH — EXISTING SANITARY MANHOLE & SEWER
 - STM — EXISTING STORM MANHOLE & SEWER
 - CB — EXISTING CATCHBASIN
 - G — EXISTING GAS MAIN
 - OH — EXISTING OVERHEAD WIRES
 - B — EXISTING BELL LINE
 - TEL — EXISTING TELECOMMUNICATIONS LINE
 - H — EXISTING HYDRANT
 - ★ — EXISTING STREETLIGHT
 - ▲ — EXISTING PARKING LOT SIGNAGE

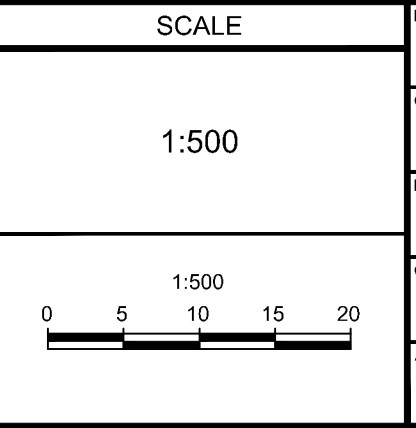
NOTE:

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1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH



DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



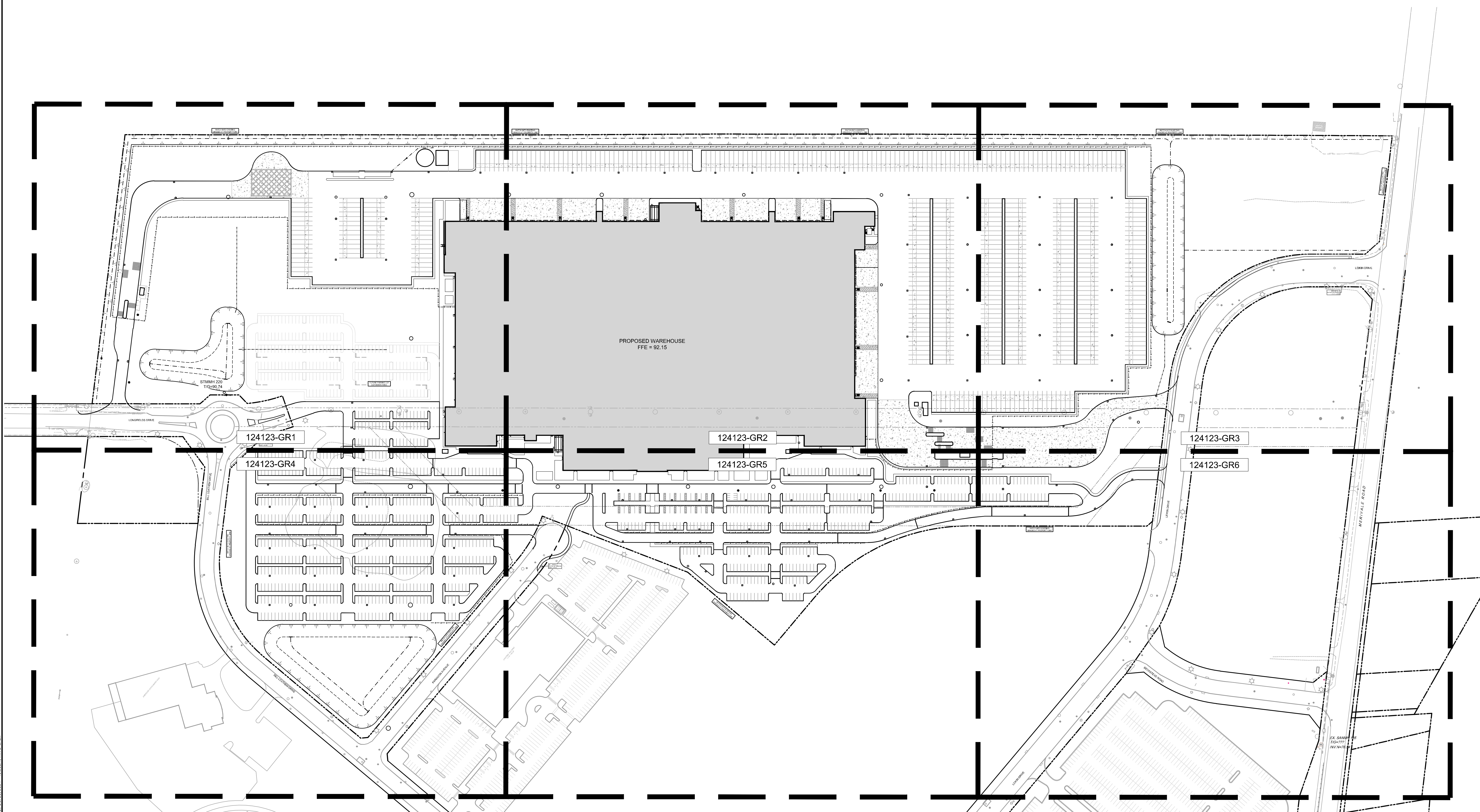
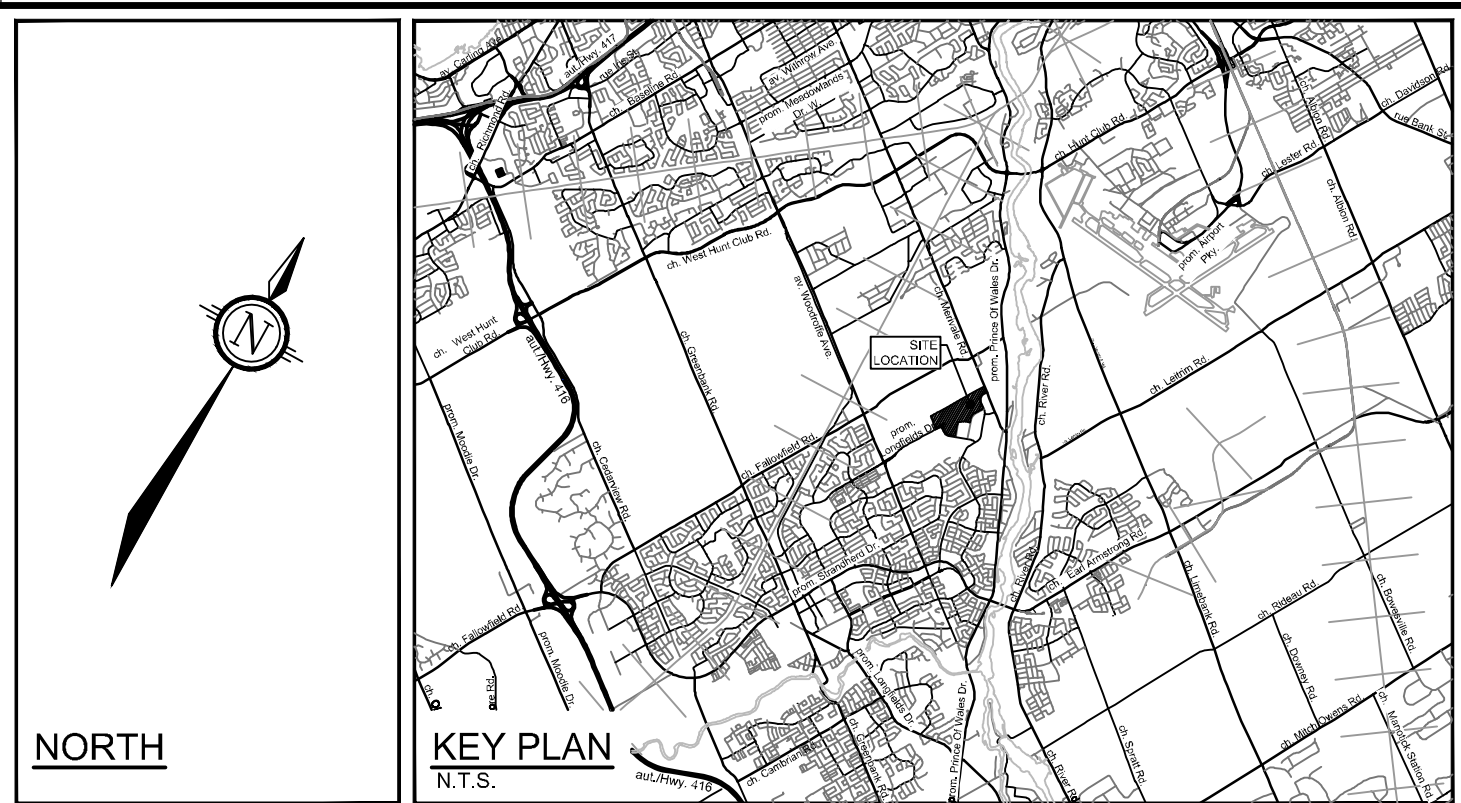
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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHEM, 2 & 20 LEIKIN DRIVE

DRAWING NAME
**GENERAL PLAN OF SERVICES
 SOUTH EASTERN QUADRANT**

PROJECT NO.	124123
REV	REV # 1
DRAWING NO.	124123-GP6

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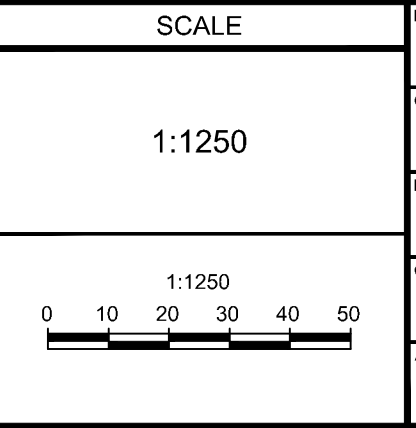


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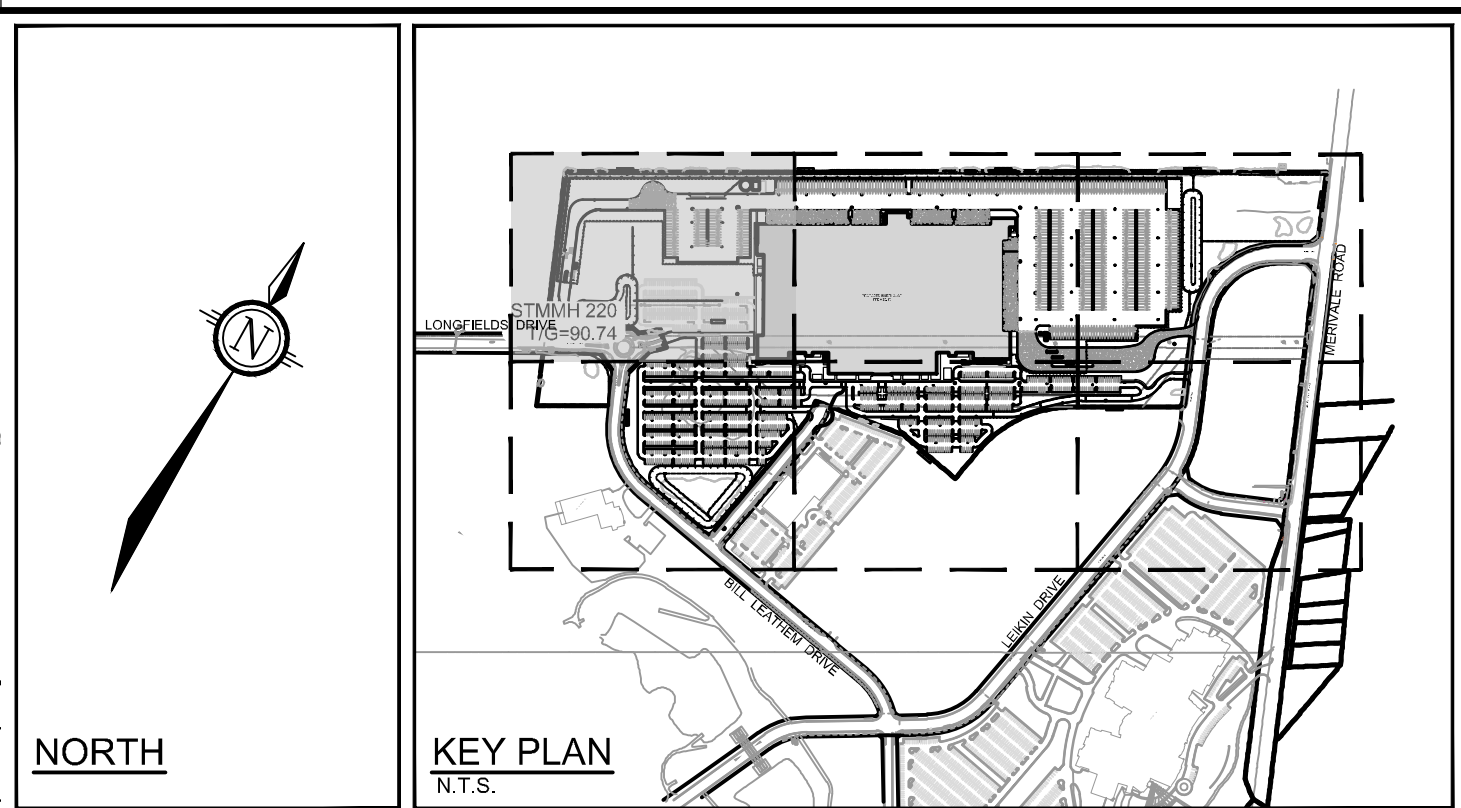
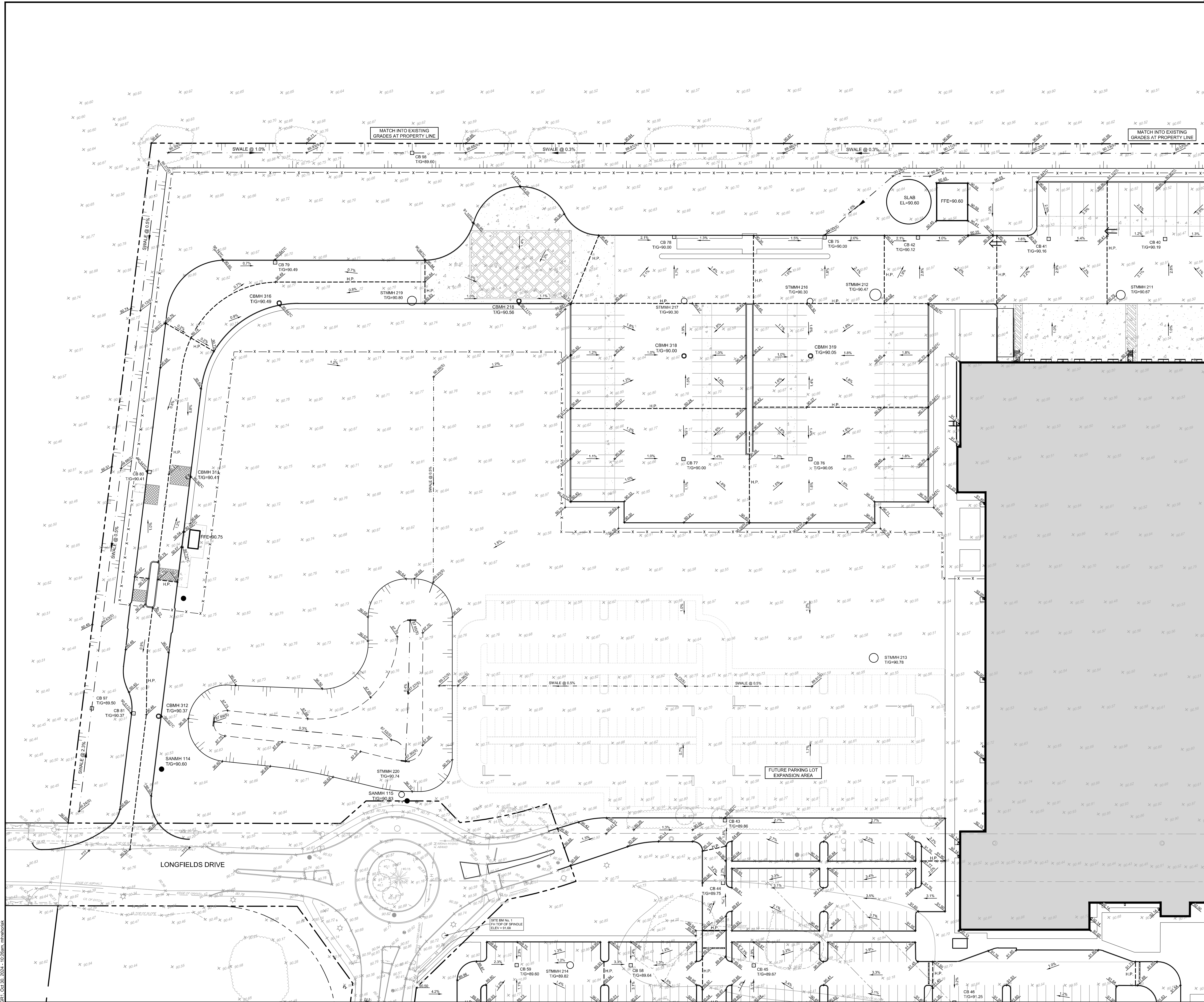
DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHEM, 2 & 20 LEIKEN DRIVE
 DRAWING NAME
**GRADING PLAN
OVERALL**

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GRO

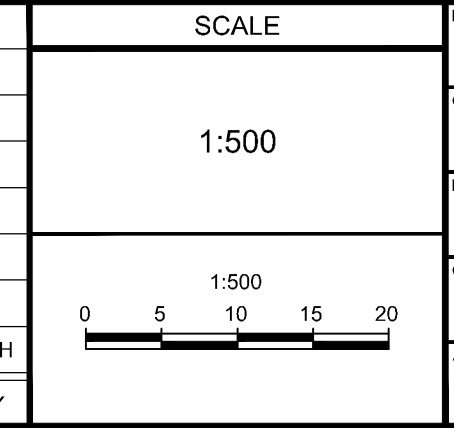


- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED SWALE ELEVATION
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF MAJOR OVERLAND FLOW
 - PROPOSED SAN MANHOLE
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED FIRE HYDRANT
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED HIGH POINT
 - PROPOSED CURB
 - PROPOSED DEPRESSED CURB
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR
 - TACTILE WALKING SURFACE INDICATOR (TWSI) PER OPSD 310.039
 - SWALE AND DIRECTION OF FLOW
 - TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
 - SLOPE AND DIRECTION
 - PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)
 - EXISTING UTILITY POLE CW GUY WIRES AND ANCHOR
 - EXISTING VALVE & VALVE CHAMBER
 - EXISTING VALVE & VALVE BOX
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 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - EXISTING LIGHT STANDARD
 - EXISTING FENCE

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M/J	M/J
L/S	L/S
M/J	M/J
M/J	M/J

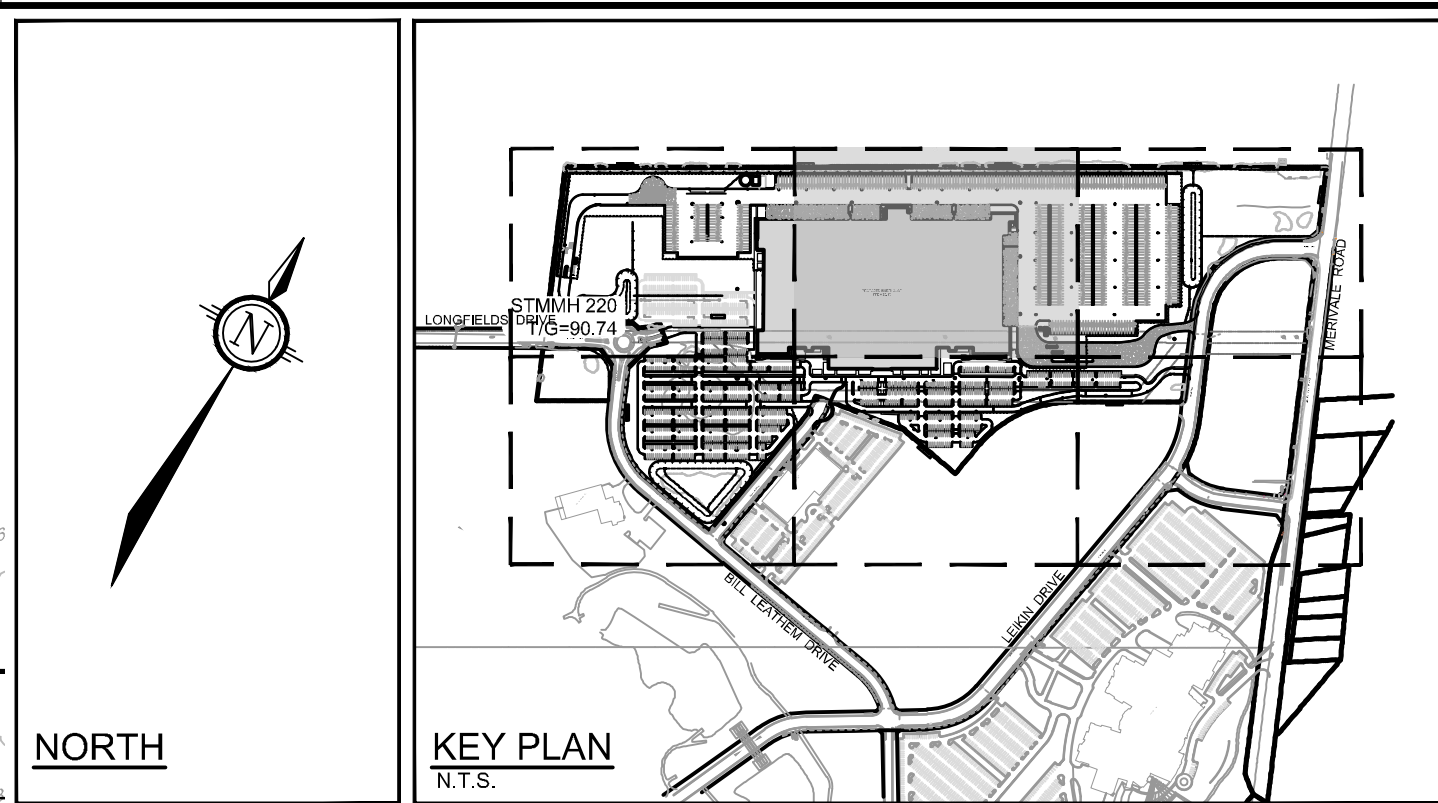
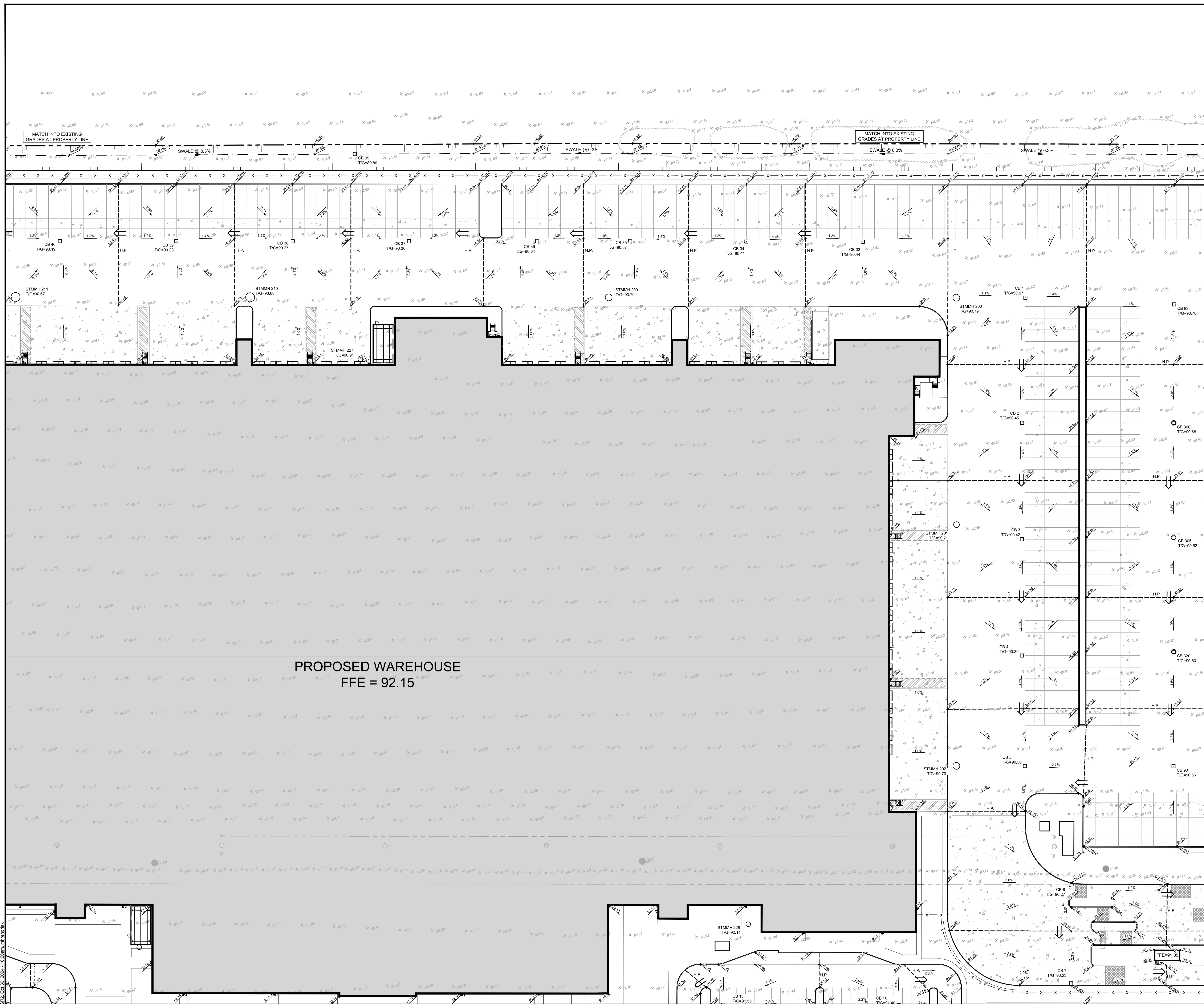


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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GRADING PLAN
 NORTH WESTERN QUADRANT**

PROJECT NO.	124123
REV	REV # 1
DRAWING NO.	124123-GR1



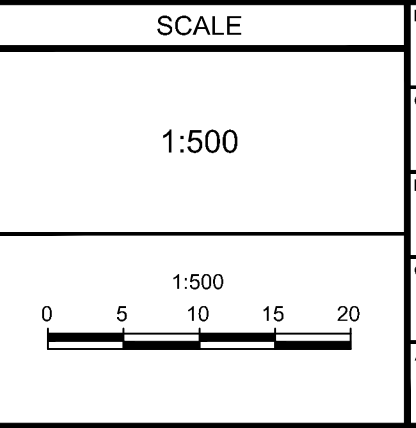
- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
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 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED SWALE ELEVATION
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF MAJOR OVERLAND FLOW
 - PROPOSED SAN MANHOLE
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED FIRE HYDRANT
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED HIGH POINT
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 - PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR
 - TACTILE WALKING SURFACE INDICATOR (TWS) PER OPSD 310.039
 - SWALE AND DIRECTION OF FLOW
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 - SLOPE AND DIRECTION
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 - EXISTING HYDRANT
 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - EXISTING LIGHT STANDARD
 - EXISTING FENCE

PROPOSED WAREHOUSE
FFE = 92.15

**NOT FOR
CONSTRUCTION**

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CHECKED	MJH
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APPROVED	MJH

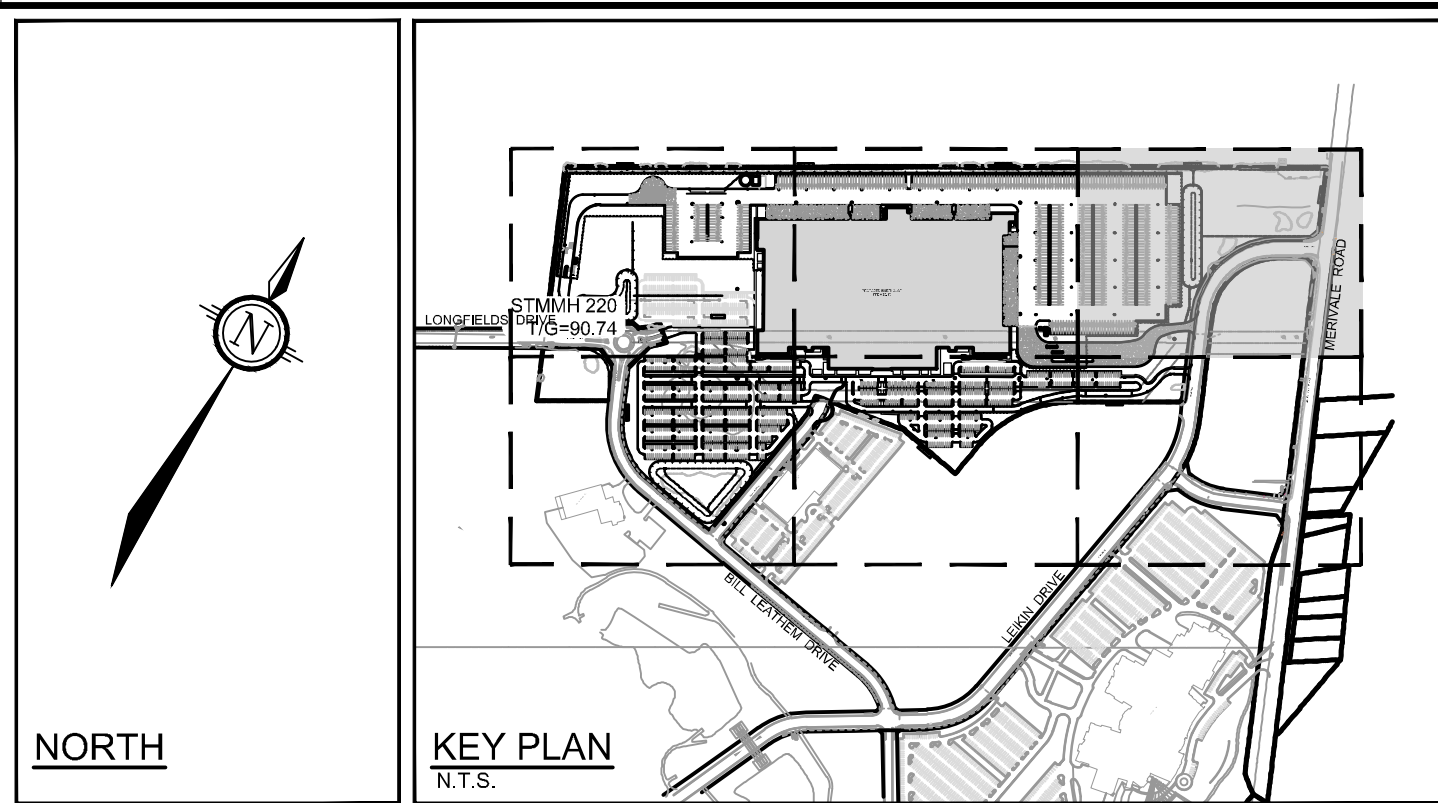


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LOCATION
CITY OF OTTAWA
99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
GRADING PLAN
NORTH CENTRAL QUADRANT

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GR2

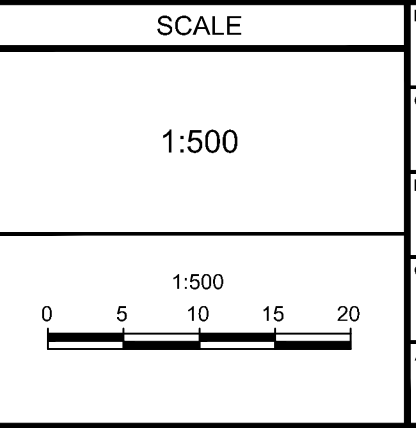


- LEGEND**
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 - PROPOSED SWALE ELEVATION
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF MAJOR OVERLAND FLOW
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 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED FIRE HYDRANT
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 - PROPOSED POST INDICATOR VALVE
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED HIGH POINT
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 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURAL PLANS FOR DETAILS)
 - PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR
 - TACTILE WALKING SURFACE INDICATOR (TWS) PER OPSD 310.038
 - SWALE AND DIRECTION OF FLOW
 - TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
 - SLOPE AND DIRECTION
 - PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)
 - EXISTING UTILITY POLE CW GUY WIRES AND ANCHOR
 - EXISTING VALVE & VALVE CHAMBER
 - EXISTING VALVE & VALVE BOX
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 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - EXISTING LIGHT STANDARD
 - EXISTING FENCE

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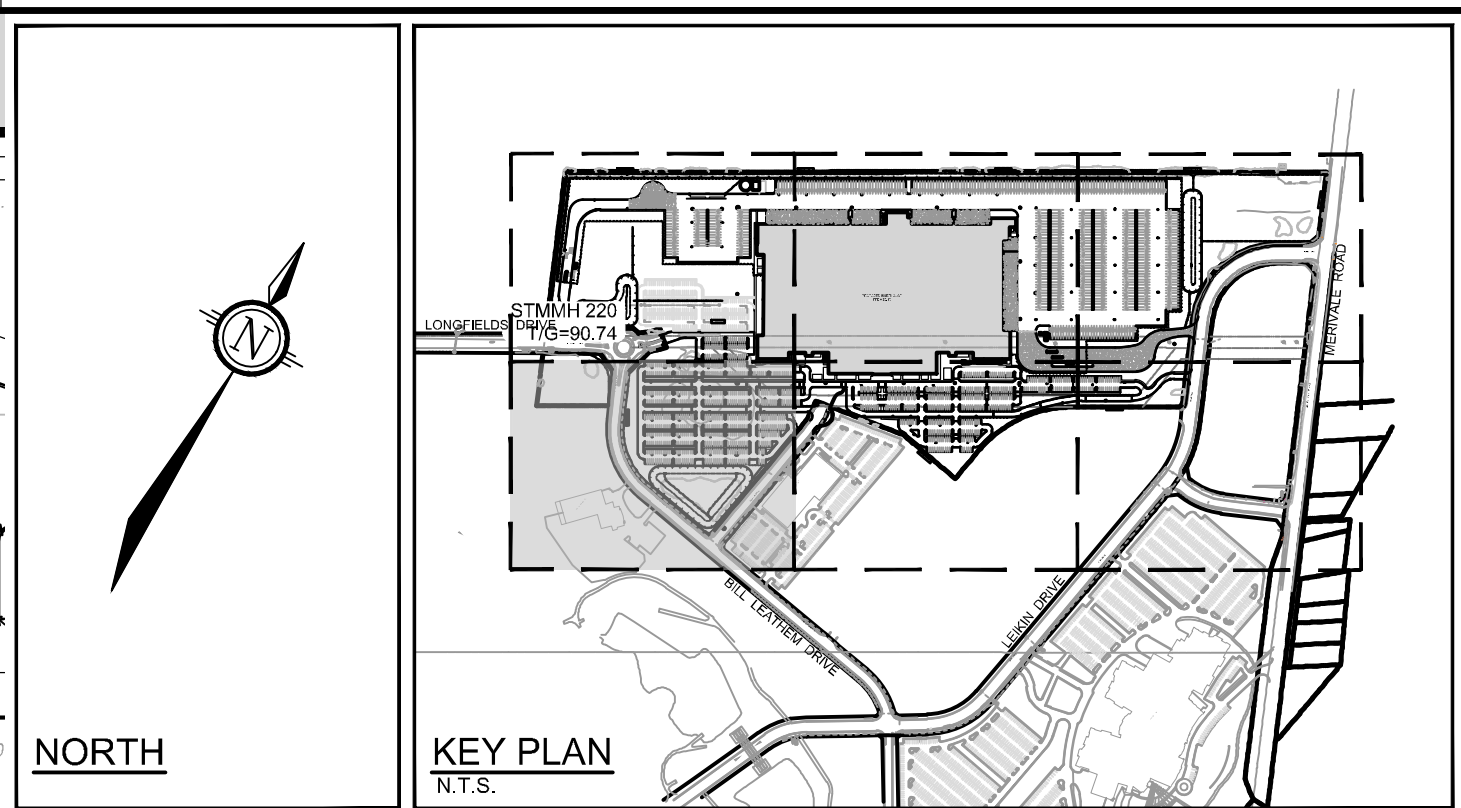
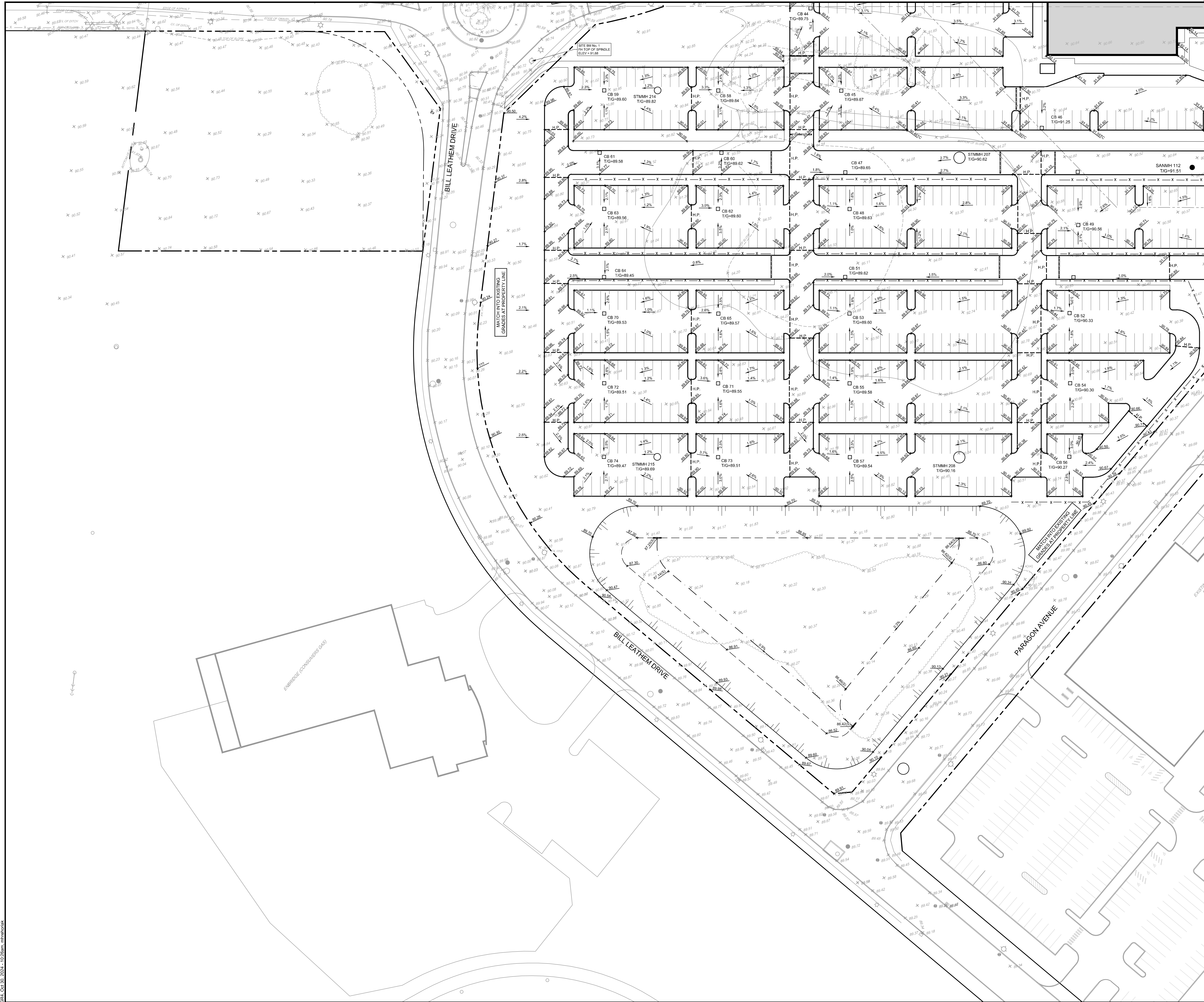


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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKIN DRIVE

DRAWING NAME
GRADING PLAN
 NORTH EASTERN QUADRANT

PROJECT NO.	124123
REV	REV # 1
DRAWING NO.	124123-GR3

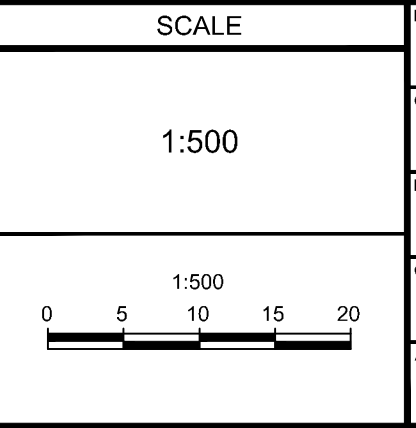


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 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
 - PROPOSED FIRE HYDRANT
 - PROPOSED VALVE AND VALVE BOX
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED CHAINLINK FENCE (REFER TO ARCHITECTURAL DRAWINGS)
 - PROPOSED HIGH POINT
 - PROPOSED CURB
 - PROPOSED DEPRESSED CURB
 - PROPOSED BITUMINOUS CONCRETE SPEED BUMP
 - PROPOSED BOLLARDS (REFER TO ARCHITECTURE PLANS FOR DETAILS)
 - PROPOSED UTILITY POLE CW GUY WIRES AND ANCHOR
 - TACTILE WALKING SURFACE INDICATOR (TWS) PER OPSD 310.039
 - SWALE AND DIRECTION OF FLOW
 - TERRACING 3:1 SLOPE MAX (UNLESS OTHERWISE INDICATED)
 - SLOPE AND DIRECTION
 - PROPOSED SITE LIGHTING (REFER TO ELECTRICAL DRAWINGS)
 - EXISTING UTILITY POLE CW GUY WIRES AND ANCHOR
 - EXISTING VALVE & VALVE CHAMBER
 - EXISTING VALVE & VALVE BOX
 - EXISTING HYDRANT
 - EXISTING SANITARY MANHOLE
 - EXISTING STORM MANHOLE
 - EXISTING CATCHBASIN
 - EXISTING LIGHT STANDARD
 - EXISTING FENCE

NOTE:
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**NOT FOR
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No.	REVISION	DATE	BY
1	ISSUED FOR SITE PLAN APPLICATION	OCT 29/24	MJH



DESIGN	MJH / LSC
CHECKED	MJH
DRAWN	LSC
CHECKED	MJH
APPROVED	MJH



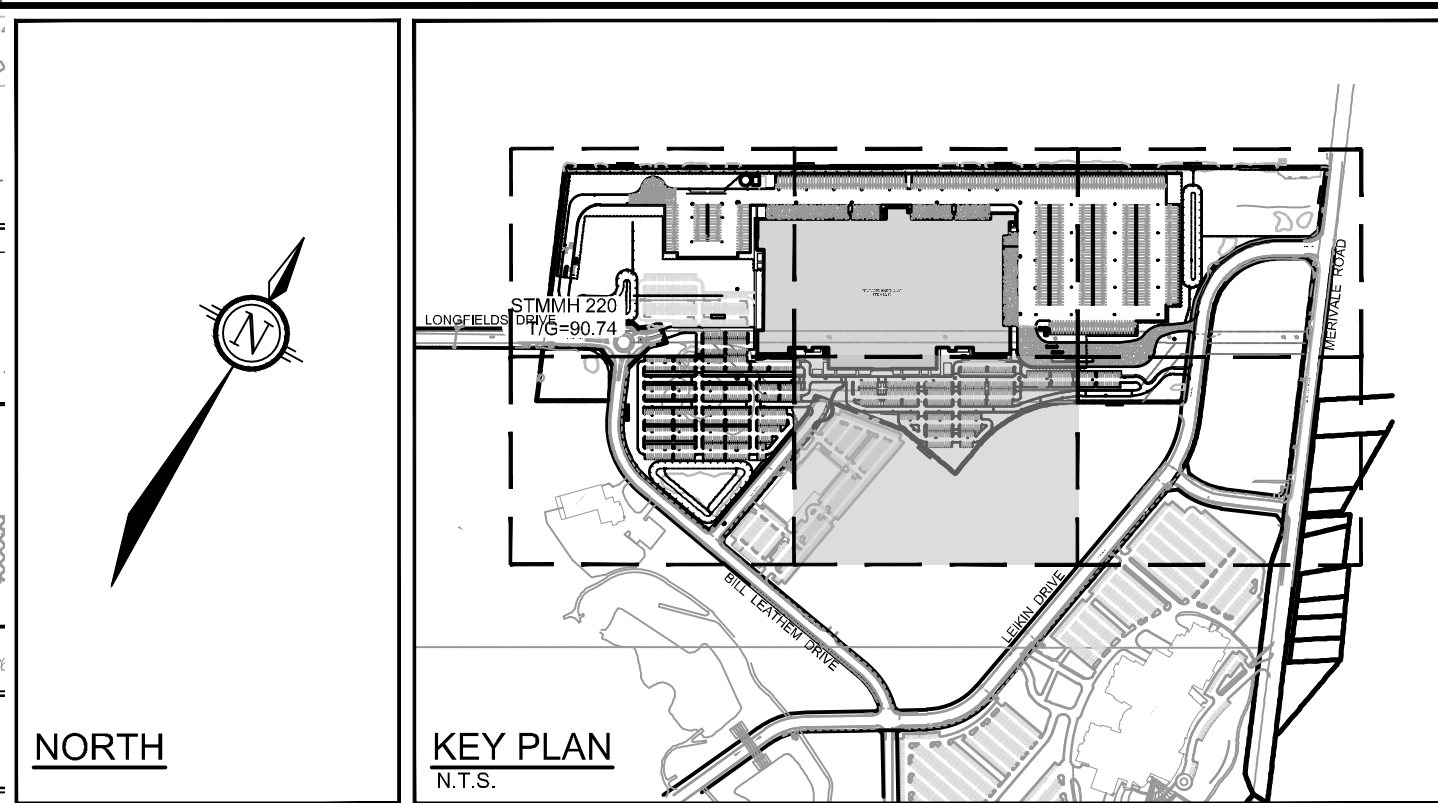
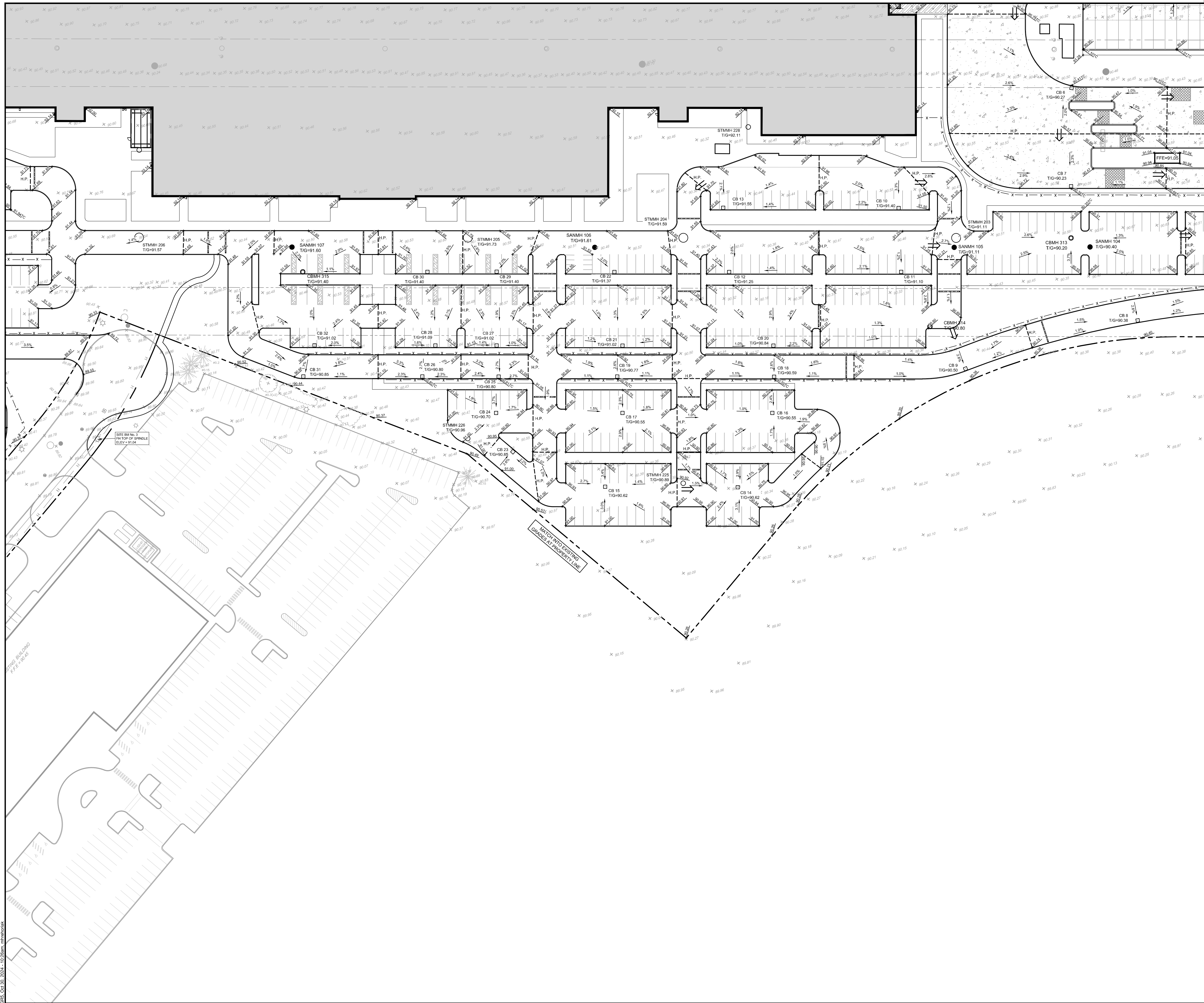
NOVATECH
 Engineers, Planners & Landscape Architects
 Suite 200, 240 Michael Copeland Drive
 Ottawa, Ontario, Canada K2M 1P6
 Telephone: (613) 254-9643
 Facsimile: (613) 254-5867
 Website: www.novatech-eng.com

LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GRADING PLAN
 SOUTH WESTERN QUADRANT**

PROJECT NO.	124123
REV	REV # 1
DRAWING NO.	124123-GR4

M:\2024\124123\2404\DWG\124123-GR4.dwg, Oct 19, 2024, 10:29am, mjhrehorak

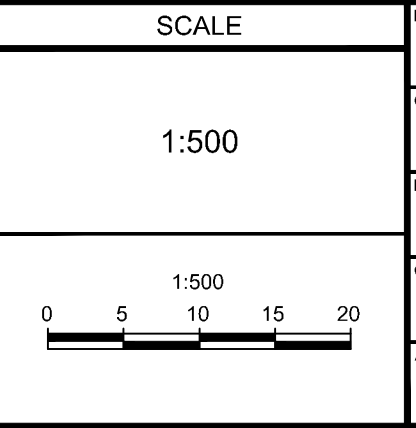


- LEGEND**
- PROPERTY LINE
 - PROPOSED ELEVATION
 - EXISTING ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED SWALE ELEVATION
 - PROPOSED BUILDING ENTRANCE
 - DIRECTION OF MAJOR OVERLAND FLOW
 - PROPOSED SAN MANHOLE
 - PROPOSED STORM MANHOLE
 - PROPOSED CATCHBASIN MANHOLE
 - PROPOSED CATCHBASIN
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DRAWN	LSC
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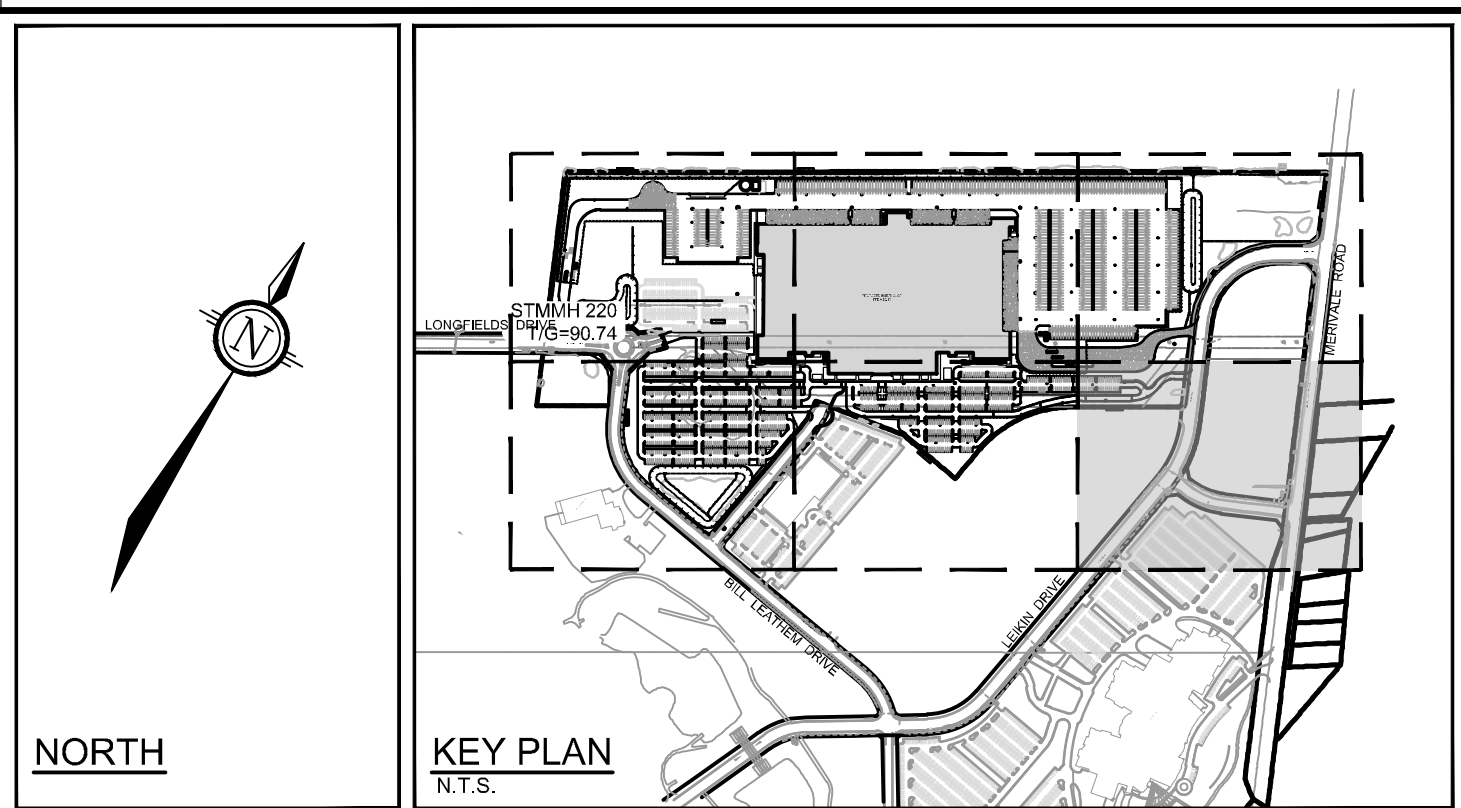
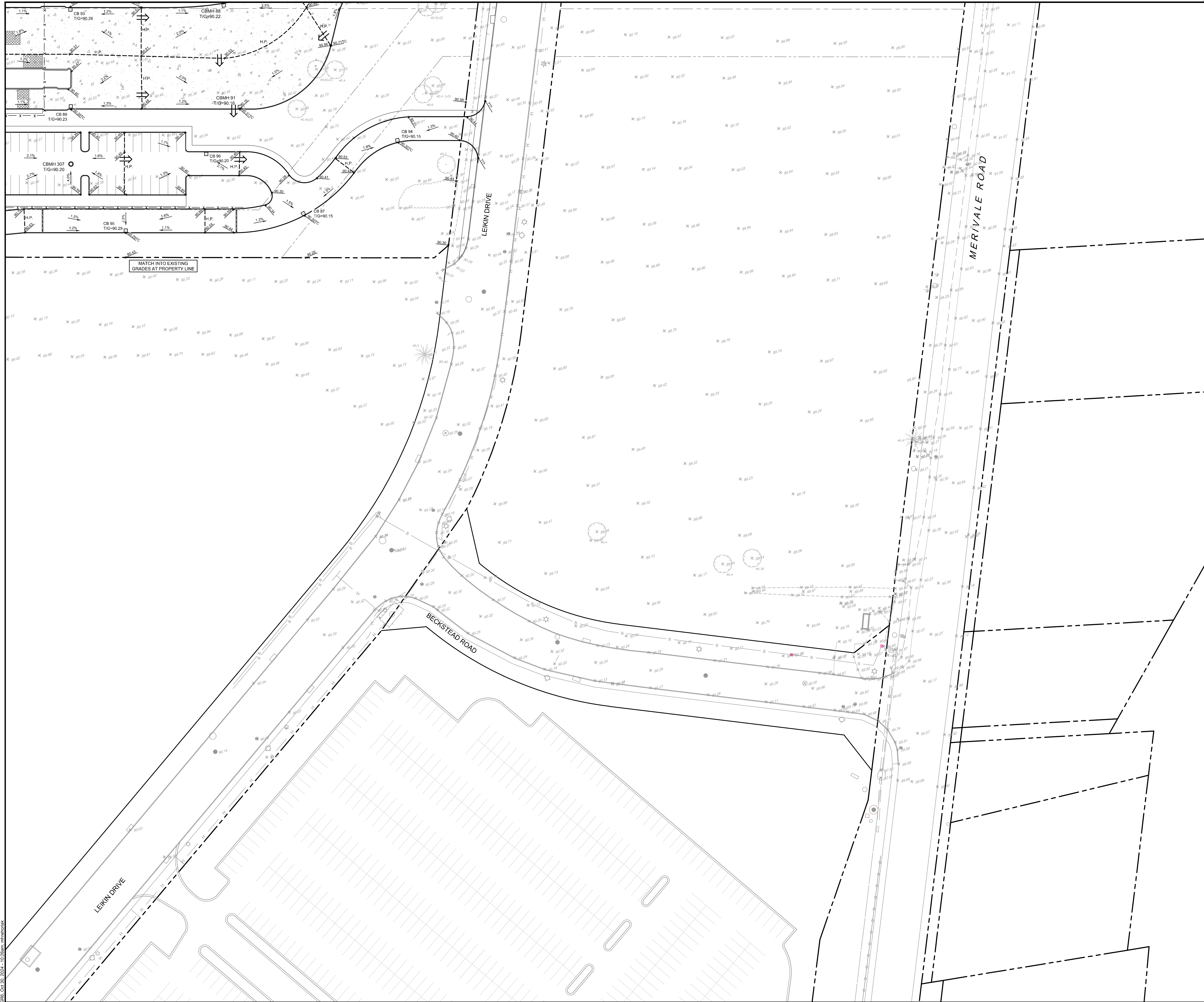
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LOCATION
 CITY OF OTTAWA
 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GRADING PLAN
 SOUTH CENTRAL QUADRANT**

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GR5

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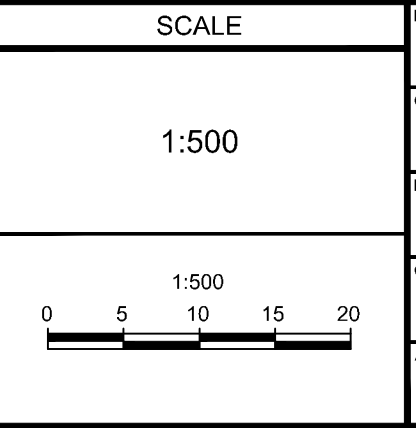


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APPROVED	MJH



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LOCATION
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 99 BILL LEATHAM, 2 & 20 LEIKEN DRIVE

DRAWING NAME
**GRADING PLAN
 SOUTH EASTERN QUADRANT**

PROJECT No.	124123
REV	REV # 1
DRAWING No.	124123-GR6

M:\2024\124123\2404\DWG\124123-GR6.dwg, GR6, Oct 19, 2024, 10:28:00, mjhershorn