

NOTES

- 1 DO NOT SCALE DRAWING
- 2 REFER LOCATIONS AND ELEVATIONS OF EXISTING SERVICES TO OBTAIN LOCATES. CALL (613) 797-8534 BEFORE EXCAVATING
- 3 CONTRACTOR IS TO COMPLY WITH THE CITY OF OTTAWA AND / OR ONTARIO PROVINCIAL STANDARDS (OPS)
- 4 ALL WORK AND UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF OTTAWA AND / OR ONTARIO PROVINCIAL STANDARDS (OPS)
- 5 NEW STORM MANHOLES AND CBM'S TO BE 1200 mm AS PER OPSD 701.010
- 6 NEW CATCH BASINS PER CITY STANDARD DRAWING S19
- 7 CBM COVER AS PER CITY STANDARD DRAWING S19
- 8 CATCH BASIN COVER AS PER CITY STANDARD DRAWING S19.1
- 9 WITH 300 mm SLABS, CB'S WITH 600 mm SLABS
- 10 REFER TO CITY STD. DWS. S6, S7 & W17 FOR SEWER AND WATER TRENCH DETAILS
- 11 BARRIER AND DEPRESSED CURB AS PER STANDARD DRAWING S01.1
- 12 NEW STORM SEWERS TO BE INSULATED WITH 50 mm THICK RIGID STYROFOAM
- 13 CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION
- 14 RESTORE PAVEMENT STRUCTURE, CURBS AND SURFACES STANDARD ROAD CUT REINSTATEMENT AS PER STD. DWS R10
- 15 REFER TO ARCHITECT'S PLANS FOR BUILDING DIMENSIONS AND SITE LAYOUT. DIMENSIONS AND LAYOUT INFORMATION SHALL BE SHOWN ON DRAWING S01.1 CONFORMANCE S1
- 16 THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE SITE PLAN, SERVING PLAN, SERVICES AND SWM BRIEF AND THE GEOLOGICAL REPORT

LEGEND

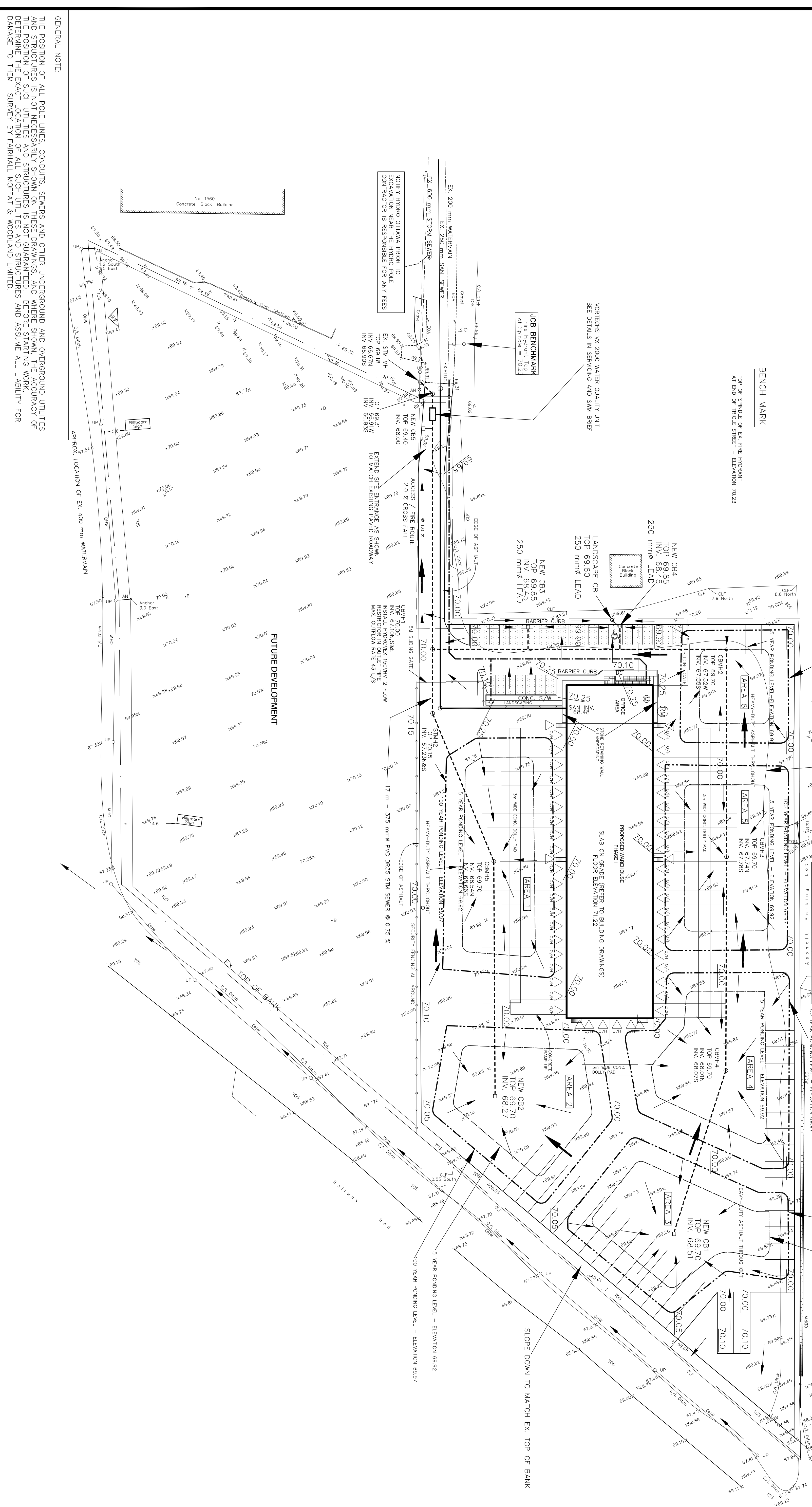
- 71.60**
- PROPOSED ELEVATION
- EXISTING ELEVATION
- TOP OF CURB
- DIRECTION OF FLOW
- UTILITY POLE
- DEPRESSED CURB
- STORM SEWER
- SANITARY SEWER
- WATERMAIN
- PROPERTY LINE
- OVERLAND FLOW ROUTE
- LIGHT STANDARD
- 100 YEAR PONDING LEVEL
- 5 YEAR PONDING LEVEL
- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT

PAVEMENT DESIGN

- LIGHT DUTY (HATCHED AREA)**
- GRANULAR B TYPE II 300 mm
- GRANULAR A 100 mm
- H1.3 OR SUPERPAVE 12.5 50 mm
- HEAVY DUTY (ALL SURFACE AREAS EXCEPT HATCHED)**
- GRANULAR B TYPE II 450 mm
- GRANULAR A 150 mm
- H1.3 OR SUPERPAVE 19 50 mm
- H1.3 OR SUPERPAVE 12.5 50 mm

ON SITE SWM - SURFACE AND STORM SEWER STORAGE

STORM SEWERS AND MANHOLES 51 m ³	AVAILABLE STORAGE
REQUIRED 5 YEAR RETENTION 130 m ³	
REQUIRED 100 YEAR RETENTION 780 m ³	
AREA 1	AREA 2
POUNDING AREA 1720 m ²	POUNDING AREA 1540 m ²
100 YEAR PONDING DEPTH 0.27 m	100 YEAR PONDING DEPTH 0.27 m
STORAGE CAPACITY 465 m ³	STORAGE CAPACITY 419 m ³
5 YEAR PONDING DEPTH 0.22 m	5 YEAR PONDING DEPTH 0.22 m
AREA 3	AREA 4
POUNDING AREA 1600 m ²	POUNDING AREA 1700 m ²
100 YEAR PONDING DEPTH 0.27 m	100 YEAR PONDING DEPTH 0.27 m
STORAGE CAPACITY 430 m ³	STORAGE CAPACITY 460 m ³
5 YEAR PONDING DEPTH 0.22 m	5 YEAR PONDING DEPTH 0.22 m
AREA 5	AREA 6
POUNDING AREA 1540 m ²	POUNDING AREA 820 m ²
100 YEAR PONDING DEPTH 0.27 m	100 YEAR PONDING DEPTH 0.27 m
STORAGE CAPACITY 419 m ³	STORAGE CAPACITY 223 m ³
5 YEAR PONDING DEPTH 0.22 m	5 YEAR PONDING DEPTH 0.22 m
TOTAL AVAILABLE STORAGE CAPACITY 895 m ³	
CUMULATIVE OUTFLOW RATE 70 L/S	



Registered Owner:
REIMER WORLD LOGISTICS CORP.
 SUITE 2900, 201 PORTAGE AVENUE
 WINDSOR, MANITOBA, R3B 3A6
 Tel: (416) 678-7024
 Cell: (416) 678-7024
 e-mail: reimer@reimerworldlogistics.com

Project Manager:
ARGUE CONSTRUCTION LTD.
 105 WILLOWDALE RD.
 MISSISSAUGA, ONTARIO L4X 1L3
 Tel: (613) 831-7044
 Fax: (613) 831-7044
 e-mail: argue@argueconstruction.ca

LEGAL DESCRIPTION:
 ALL OF LOTS 64 AND 70 AND PART OF LOTS 55, 56, 57, 58, 59, 65, 69 AND 71 OF THOLE STREET AND PARTS OF THOLE STREET

(As Closed by Judges Order Inst. L17225616 and by By-Law 2004-21 Inst. OC389489)

REGISTERED PLAN 63
 CITY OF OTTAWA

PREPARED BY
ANIS OUSULIYAN, VOLLEBEKK ONTARIO LAND SURVEYORS
 JANUARY 4, 2006

Civil Engineer:
CAPITAL ENGINEERING GROUP LTD.
 119 DOWSETT STREET
 OTTAWA, ONTARIO K1P 6S5
 Tel: (613) 753-0776
 Fax: (613) 753-7202
 e-mail: ce@cegroup.com

LICENSED PROFESSIONAL ENGINEER
AMINE NAOUM
 (Date 02/14)
 PROVINCE OF ONTARIO

NO.	DATE	DESCRIPTION
1		ISSUED FOR THE PURPOSE OF:
2		REVISION:
3		REVISION:
4		REVISION:
5		REVISION:
6		REVISION:
7		REVISION:
8		REVISION:
9		REVISION:
10		REVISION:
11		REVISION:
12		REVISION:
13		REVISION:
14		REVISION:
15		REVISION:
16		REVISION:

IT IS THE RESPONSIBILITY OF THE APPROPRIATE DIMENSIONS ON SITE AND REPORT ALL ERRORS AND/OR OMISSIONS TO THE ARCHITECT. ALL PRELIMINARY AND CONCEPT WITH ALL PRELIMINARY AND CONCEPT WITH ALL DO NOT SCALE DRAWINGS.

THIS DRAWING MAY NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF LEONARD & KOFFMAN ARCHITECT.

COPYRIGHT RESERVED. THIS DRAWING IS THE EXCLUSIVE PROPERTY OF LEONARD & KOFFMAN ARCHITECT AND SHALL NOT BE USED WITHOUT THE ARCHITECT'S CONSENT.

LEONARD & KOFFMAN ARCHITECT
 Suite 301, 1300 Osgoode Avenue
 OTTAWA, Ontario K1Z 1T2
 Phone (613) 728-2311
 Fax (613) 728-2311
 Email: leonard@leonardandkoffman.com

OWNER:
REIMER PROPERTIES INC.

PROJECT:
APEX MOTOR EXPRESS TRUCK TERMINAL 1399 ST. LAURENT BLVD. OTTAWA, ON.

DRAWING TITLE:
GRADING AND DRAINAGE PLAN

DATE: DEC. 3, 2014
 SCALE: 1:500
 PROJECT NO: 1408
 DRAWING NO: G2

GENERAL NOTE:
 THE POSITION OF ALL POLE LINES, CONDUITS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THESE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING THE WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM. SURETY BY FAIRHALL WOFFAT & WOODLAND LIMITED.