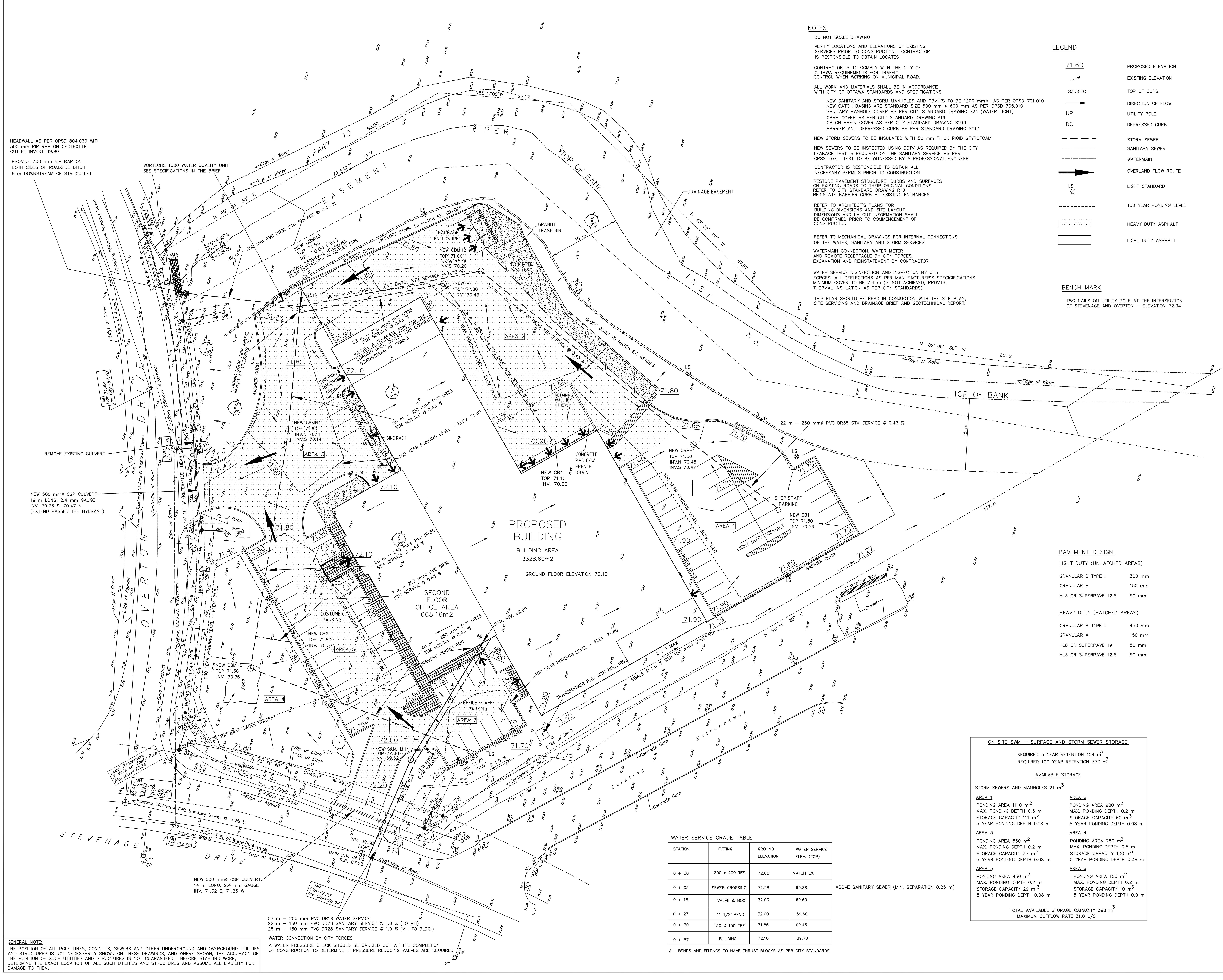

NOTES

DO NOT SCALE DRAWING

VERIFY LOCATIONS AND ELEVATIONS OF EXISTING SERVICES PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO OBTAIN LOCATES

CONTRACTOR IS TO COMPLY WITH THE CITY OF OTTAWA REQUIREMENTS FOR TRAFFIC CONTROL WHEN WORKING ON MUNICIPAL ROAD.

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS AND SPECIFICATIONS

NEW SANITARY AND STORM MANHOLES AND CBMH'S TO BE 1200 mmø AS PER OPSD 701.010
NEW CATCH BASINS ARE STANDARD SIZE 600 mm X 600 mm AS PER OPSD 705.010
SANITARY MANHOLE COVER AS PER CITY STANDARD DRAWING S24 (WATER TIGHT)
CBMH COVER AS PER CITY STANDARD DRAWING S19
CATCH BASIN COVER AS PER CITY STANDARD DRAWING S19.1
BARRIER AND DEPRESSED CURB AS PER STANDARD DRAWING SC1.1

NEW STORM SEWERS TO BE INSULATED WITH 50 mm THICK RIGID STYROFOAM

NEW SEWERS TO BE INSPECTED USING CCTV AS REQUIRED BY THE CITY LEAKAGE TEST IS REQUIRED ON THE SANITARY SERVICE AS PER OPSS 407. TEST TO BE WITNESSED BY A PROFESSIONAL ENGINEER

CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION

RESTORE PAVEMENT STRUCTURE, CURBS AND SURFACES ON EXISTING ROADS TO THEIR ORIGINAL CONDITIONS REFER TO CITY STANDARD DRAWING R10 REINSTATE BARRIER CURB AT EXISTING ENTRANCES

REFER TO ARCHITECT'S PLANS FOR BUILDING DIMENSIONS AND SITE LAYOUT. DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

REFER TO MECHANICAL DRAWINGS FOR INTERNAL CONNECTIONS OF THE WATER, SANITARY AND STORM SERVICES

WATERMAIN CONNECTION, WATER METER AND REMOTE RECEPTACLE BY CITY FORCES. EXCAVATION AND REINSTATEMENT BY CONTRACTOR

WATER SERVICE DISINFECTION AND INSPECTION BY CITY FORCES, ALL DEFLECTIONS AS PER MANUFACTURER'S SPECICIFICATIONS MINIMUM COVER TO BE 2.4 m (IF NOT ACHIEVED, PROVIDE THERMAL INSULATION AS PER CITY STANDARDS)

THIS PLAN SHOULD BE READ IN CONJUCTION WITH THE SITE PLAN, SITE SERVICING AND DRAINAGE BRIEF AND GEOTECHNICAL REPORT.

LEGEND

Symbol	Meaning
71.60	PROPOSED ELEVATION
71.36	EXISTING ELEVATION
83.35TC	TOP OF CURB
→	DIRECTION OF FLOW
UP	UTILITY POLE
DC	DEPRESSED CURB
— — —	STORM SEWER
———	SANITARY SEWER
—·—·—	WATERMAIN
➔	OVERLAND FLOW ROUTE
LS ⊗	LIGHT STANDARD
- - - -	100 YEAR PONDING ELVEL
(dotted box)	HEAVY DUTY ASPHALT
(plain box)	LIGHT DUTY ASPHALT

BENCH MARK

TWO NAILS ON UTILITY POLE AT THE INTERSECTION OF STEVENAGE AND OVERTON - ELEVATION 72.34

PAVEMENT DESIGN

LIGHT DUTY (UNHATCHED AREAS)

GRANULAR B TYPE II	300 mm
GRANULAR A	150 mm
HL3 OR SUPERPAVE 12.5	50 mm

HEAVY DUTY (HATCHED AREAS)

GRANULAR B TYPE II	450 mm
GRANULAR A	150 mm
HL8 OR SUPERPAVE 19	50 mm
HL3 OR SUPERPAVE 12.5	50 mm

ON SITE SWM - SURFACE AND STORM SEWER STORAGE

REQUIRED 5 YEAR RETENTION 154 m^3
REQUIRED 100 YEAR RETENTION 377 m^3

AVAILABLE STORAGE

STORM SEWERS AND MANHOLES 21 m^3

AREA 1
PONDING AREA 1110 m^2
MAX. PONDING DEPTH 0.3 m
STORAGE CAPACITY 111 m^3
5 YEAR PONDING DEPTH 0.18 m

AREA 2
PONDING AREA 900 m^2
MAX. PONDING DEPTH 0.2 m
STORAGE CAPACITY 60 m^3
5 YEAR PONDING DEPTH 0.08 m

AREA 3
PONDING AREA 550 m^2
MAX. PONDING DEPTH 0.2 m
STORAGE CAPACITY 37 m^3
5 YEAR PONDING DEPTH 0.08 m

AREA 4
PONDING AREA 780 m^2
MAX. PONDING DEPTH 0.5 m
STORAGE CAPACITY 130 m^3
5 YEAR PONDING DEPTH 0.38 m

AREA 5
PONDING AREA 430 m^2
MAX. PONDING DEPTH 0.2 m
STORAGE CAPACITY 29 m^3
5 YEAR PONDING DEPTH 0.08 m

AREA 6
PONDING AREA 150 m^2
MAX. PONDING DEPTH 0.2 m
STORAGE CAPACITY 10 m^3
5 YEAR PONDING DEPTH 0.0 m

TOTAL AVAILABLE STORAGE CAPACITY 398 m^3
MAXIMUM OUTFLOW RATE 31.0 L/S

WATER SERVICE GRADE TABLE

STATION	FITTING	GROUND ELEVATION	WATER SERVICE ELEV. (TOP)
0 + 00	300 x 200 TEE	72.05	MATCH EX.
0 + 05	SEWER CROSSING	72.28	69.88
0 + 18	VALVE & BOX	72.00	69.60
0 + 27	11 1/2' BEND	72.00	69.60
0 + 30	150 X 150 TEE	71.85	69.45
0 + 57	BUILDING	72.10	69.70

ABOVE SANITARY SEWER (MIN. SEPARATION 0.25 m)

ALL BENDS AND FITTINGS TO HAVE THRUST BLOCKS AS PER CITY STANDARDS

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 WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PARTS OF LOTS 22 AND 23
CONCESSION 2 (OTTAWA FRONT)
(PARTS OF LOTS 11 AND 27, PLAN 5R-5187)
GEOGRAPHIC TOWNSHIP OF GLOUCESTER
CITY OF OTTAWA

Survey By
FARLEY, SMITH AND DENIS SURVEYING LTD.
October 2012

BAR SCALE 5 10 15 20

Capital Engineering Group Ltd
Municipal / Land Development
110 Dossetter Way
Ottawa, Ontario K1G 4S5
T: (613)739-0776 F: (613)739-7302
E: cegl@rogers.com

NO.	ISSUE & REVISIONS	DATE
1	Issued for Site Plan Application	2014/03/05

SEAL — LICENSED PROFESSIONAL ENGINEER, AMINE NAOUM, Mar 05/14, PROVINCE OF ONTARIO

Not for construction unless SEALED and SIGNED.

PROJECT NORTH

P & R
PYE & RICHARDS ARCHITECTS INC
824 MEATH STREET OTTAWA ONTARIO K1Z 6E8
TEL: 613 724-7700 FAX: 613 724-1289
EMAIL: staff@pnrarch.com
WEBSITE: www.pyeandrichardsarchitects.com

PROJECT

Urban Quarry New Buiding

2717 Overton Drive **Ottawa, Ontario**

DRAWING

Servicing, Grading and Drainage Plan

Do not scale. Refer any dimensional errors and/or possible trade interference/conflict to the architects for clarification prior to commencement of the work. The conditions of the contract apply.

PROJECT NO. 13-65
SCALE - 1 : 300
DRAWN - ANDREW
CHECKED - AN
DRAWING NO. G1
REVISION NO. 1