

TRACER WIRE TO BE USED ON ALL WATERMAIN AND SHALL BE IN ACCORDANCE

GENTLE CURVATURE OF THE WATERMAIN (I.E. WITHOUT FITTINGS) IS TO BE

SHALL NOT BE PERMITTED ANYWHERE ON THIS PROJECT. CONTRACTOR TO ADHERE TO MANUFACTURER'S SPECIFICATIONS WHEN PERFORMING JOINT . ALL NEW WATERMAIN AND WATER SERVICES ARE TO BE PRESSURE TESTED, FLUSHED, WATER SAMPLING AND CHLORINATED AS PART OF THIS PROJECT BY A

LICENSED WATERMAIN OPERATOR. THE CONTRACTOR IS TO INCLUDE BLOW OFFS, TEST POINT BYPASS, TEMPORARY HYDRANTS AND ANY OTHER NECESSARY MATERIALS TO PERFORM THESE ACTIVITIES TO THE REGION'S SATISFACTION.

. WATERMAIN TRENCH BEDDING AS PER REGION OF DURHAM STD. S-200.010 CLASS 'P', UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL CONSULTANT.

SANITARY SEWERS:

ALL SANITARY SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF DURHAM STANDARDS AND

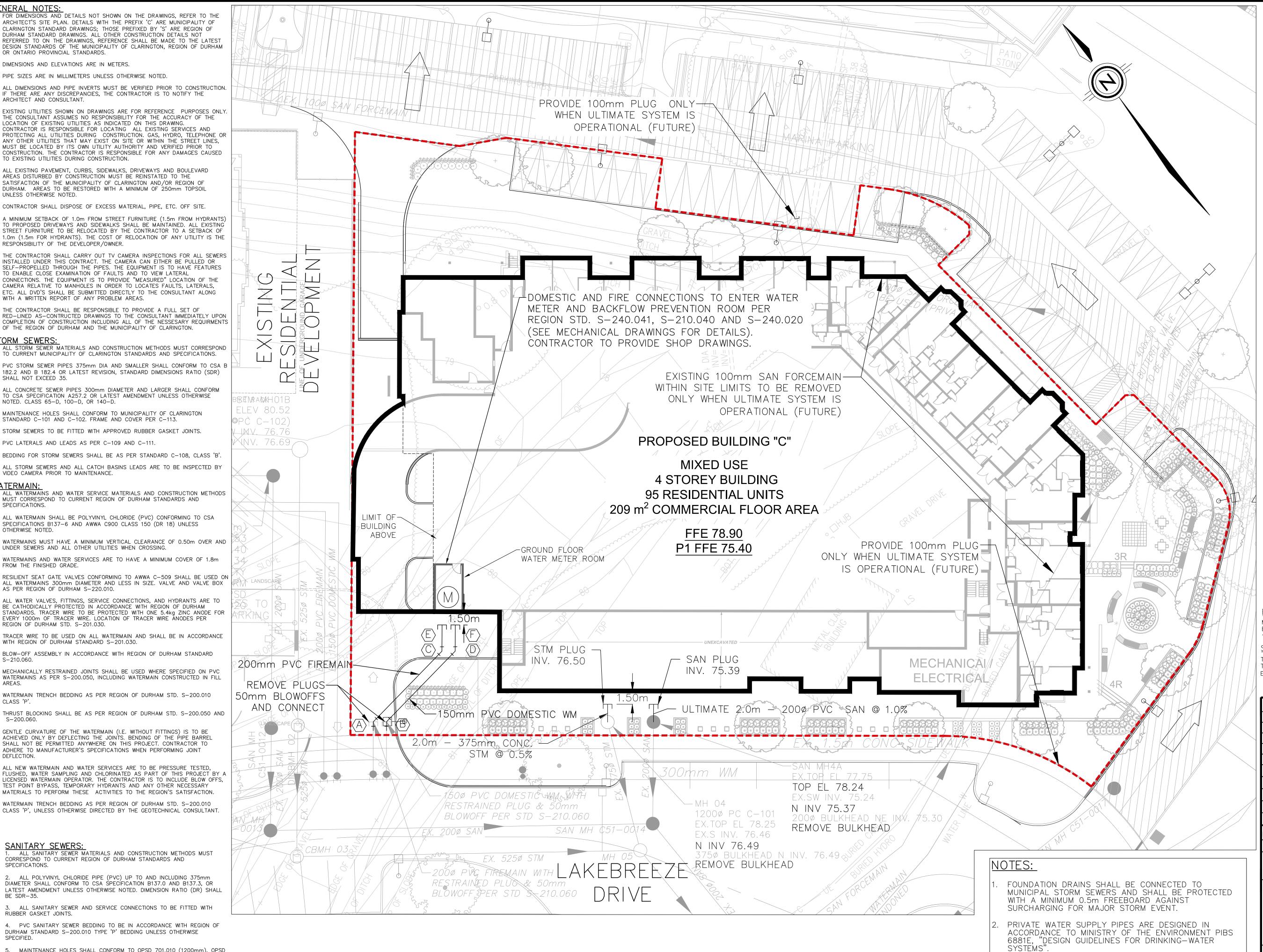
ALL POLYVINYL CHLORIDE PIPE (PVC) UP TO AND INCLUDING 375mm DIAMETER SHALL CONFORM TO CSA SPECÍFICATION B137.0 AND B137.3, OR LATEST AMENDMENT UNLESS OTHERWISE NOTED. DIMENSION RATIO (DR) SHALL

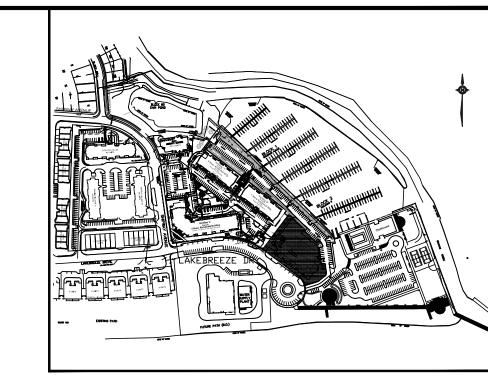
ALL SANITARY SEWER AND SERVICE CONNECTIONS TO BE FITTED WITH RUBBER GASKET JOINTS.

4. PVC SANITARY SEWER BEDDING TO BE IN ACCORDANCE WITH REGION OF DURHAM STANDARD S-200.010 TYPE 'P' BEDDING UNLESS OTHERWISE

5. MAINTENANCE HOLES SHALL CONFORM TO OPSD 701.010 (1200mm), OPSD 701.011 (1500mm) AND 701.011. COVERS AND FRAMES SHALL CONFORM TO OPSD 401.010. ALL PRECAST SANITARY SEWER MANHOLES TO BE BENCHED IN ACCORDANCE WITH OPSD 701.021.

6. SANITARY SEWERS ARE TO BE TV INSPECTED AFTER SERVICE CONNECTIONS ARE INSTALLED.





KEY PLAN

LEGEND

EXISTING SANITARY MANHOLE

EXISTING STORM MANHOLE

EXISTING HYDRANT

EXISTING VALVE

EXISTING CATCHBASIN

APR. LOCATION OF PROPOSED METER ROOM (BY OTHERS)

DIRECTION OF OVERLAND FLOW

PROP. STREETLIGHTS (BY OTHERS) EX. STREETLIGHTS

PROPERTY LINE

EXISTING ASPHALT

MARINA DRIVE AISLE

---- LIMIT OF BUILDING ABOVE

| | WATERMAIN DATA TABLE | | |
|----|--|-----------------------|--|
| МК | DESCRIPTION | TOP OF PIPE ELEVATION | |
| Α | 200mm DIA. 45° HORIZ. BENDS - FIRE | 76.59 | |
| В | 150mm DIA. 45° HORIZ. BENDS - DOMESTIC | 76.59 | |
| С | 200mm DIA. 45° HORIZ. BENDS - FIRE | 76.99 | |
| D | 150mm DIA. 45° HORIZ. BENDS - DOMESTIC | 76.99 | |
| Е | 200mm DIA. PLUG - FIRE | 77.04 | |
| F | 150mm DIA. PLUG - DOMESTIC | 77.04 | |

BENCHMARK NO. 00819698423:

MINISTRY OF NATURAL RESOURCES AND FORESTRY BENCHMARK HAVING A PUBLISHED ELEVATION OF 107.951 (GEODETICAL DATUM)

SITE BENCHMARK NO.1:

TOP NUT OF FIREHYDRANT LOCATED 36m +/- SOUTH OF THE CONCRETE BOAT LAUNCH ELEVATION 77.33 (GEODETICAL DATUM)



| REFERENCES | | | | | |
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| UTILITIES VERIFIED BY: | | | | | |
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| 1 | 08/27/20 | ISSUED FOR SITE PLAN APPROVAL - 1ST SUBMISSION | N CD | | |
| No. | DATE | REVISION | BY | | |
| ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED | | | | | |
| Suite 201 - 701 Rossland Road East Whitby, ON L1N 8Y9 | | | | | |

www.wsp.com

PRIVATE SEWERS ARE DESIGNED IN ACCORDANCE WITH

THE MINISTRY OF ENVIRONMENT PIBS 6879, "DESIGN

GUIDELINES FOR SEWAGE WORKS"

f. 905.668.9443

NEWCASTLE HARBOURVIEW LTD. PORT OF NEWCASTLE - HARBOUVIEW BUILDING C MUNICIPALITY OF CLARINGTON

REGION 1:200 SCALE

DWG. No. SS1 **19M-01815** - SS1