

LEGEND

PROPERTY LINE

PROPOSED BUILDING

NEW LIGHT DUTY ASPHALT PER DETAIL 1/C3

NEW HEAVY DUTY ASPHALT PER DETAIL 2/C3

NEW CONCRETE SIDEWALK

NEW GRASS

TERRACING

EXISTING CATCHBASIN

EXISTING MANHOLE

NEW SUBDRAIN

NEW STORM SEWER

NEW SANITARY SEWER

NEW WATERMAIN

NEW LANDSCAPE DRAIN

NEW CATCHBASIN

NEW CATCHBASIN MANHOLE

NEW SANITARY MANHOLE

NEW STORM MANHOLE

CROSSING LOCATION IDENTIFIER

NEW SILT FENCE

NEW ROOF SCUPPER

NEW ROOF DRAIN

GENERAL NOTES

1. DESIGN AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH MOST RECENT ONTARIO BUILDING CODE.

2. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.

3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.

4. ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.

5. CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

6. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, DAYLIGHTING, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE, DURING CONSTRUCTION ACTIVITIES; THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS, AND INSTALLING AND MAINTAINING MUD MATS FOR OUTGOING CONSTRUCTION TRAFFIC DURING CONSTRUCTION ACTIVITIES.

2. PREVENT SOIL LOSS DURING CONSTRUCTION (BY STORM WATER RUNOFF OR WIND EROSION).

3. PROTECT TOPSOIL BY STOCKPILING FOR REUSE.

4. PREVENT SEDIMENTATION OF STORM SEWERS AND RECEIVING STREAMS.

5. PREVENT AIR POLLUTION FROM DUST AND PARTICULATE MATTER.

6. ALL STORM MANHOLES AND CATCHBASIN MANHOLES TO HAVE 300mm SUMPS; ALL CATCHBASINS TO HAVE 600mm SUMPS.

7. INSTALL FILTER BAG INSERT IN ALL STORM MANHOLES AND CATCH BASINS IMPACTED DURING CONSTRUCTION, INCLUDING CATCH BASINS IN THE RIGHT OF WAY.

8. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED IN THE FIELD AT THE DISCRETION OF THE CITY OF OTTAWA INSPECTOR OR CONSERVATION AUTHORITY.

9. STORM WATER PUMPED INTO CITY SERVICE SHALL FLOW THROUGH A FILTER SOCK.

10. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.

DRAWING NOTES

01. SUPPLY AND INSTALL NEW 200mm Ø PVC DR18 WATER MAIN SERVICE, MINIMUM 2.4m COVER, OTHERWISE PROVIDE HL40 THERMAL INSULATION IN ACCORDANCE WITH CITY OF OTTAWA STANDARD DETAIL DRAWING W22. COORDINATE NEW WATER SERVICE CONNECTION WITH MECHANICAL PLANS.

02. SUPPLY AND INSTALL NEW 525mm STORM SEWER AND CONNECT TO STORM SEWER MANHOLE MH1001 AT INVERT 91.53. PROVIDE WATERTIGHT CONNECTION. CONNECTION SHALL BE MADE WITH CORE DRILLING. MH1001 TO BE INSTALLED BY OTHERS. CONTRACTOR TO HYDROVAC TO CONFIRM NEW AND EXISTING INVERTS PRIOR TO CONSTRUCTION.

03. SUPPLY AND INSTALL NEW 200mm SANITARY SEWER AND CONNECT TO SANITARY SEWER MANHOLE MH1001A AT INVERT 90.34. PROVIDE WATERTIGHT CONNECTION. CONNECTIONS SHALL BE MADE WITH CORE DRILLING. MH1001A TO BE INSTALLED BY OTHERS. CONTRACTOR TO HYDROVAC TO CONFIRM INVERT PRIOR TO CONSTRUCTION.

04. INSTALL 3.0m LONG 100mm Ø PERFORATED SUBDRAIN WRAPPED IN GEOTEXTILE SOCK EXTENDING FROM STORM STRUCTURE AT PAVEMENT SUBGRADE LEVEL. PROVIDE WATERTIGHT CONNECTION.

05. CONNECT NEW SERVICE TO EXISTING 200mm WATERMAIN STUB. APPROXIMATE TOP OF EXISTING WATERMAIN ELEVATION: 90.70. CONTRACTOR TO HYDROVAC TO CONFIRM OBVERT AND EXISTING WATER VALVE PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE WITH CITY OF OTTAWA FORCES.

06. CONNECT SERVICES TO INTERIOR PLUMBING 1.0m FROM BUILDING FOUNDATION. PERIMETER FOUNDATION DRAIN TO BE CONNECTED TO NEW STORM SEWER SERVICE. REFER TO MECHANICAL AND ARCHITECTURAL PLANS.

07. SUPPLY AND INSTALL NEW TEMPEST MHF INLET CONTROL DEVICE FLOW REGULATOR OR APPROVED EQUIVALENT AT CATCHBASIN, CB-1 OUTLET. MAXIMUM DISCHARGE 25.0 l/s AT 1.83m HEAD AND ORIFICE DIAMETER AT 93mm.

08. SUPPLY AND INSTALL NEW TEMPEST MHF INLET CONTROL DEVICE FLOW REGULATOR OR APPROVED EQUIVALENT AT CATCHBASIN, CB-2 OUTLET. MAXIMUM DISCHARGE 29.0 l/s AT 1.61m HEAD AND ORIFICE DIAMETER AT 104mm.

09. SUPPLY AND INSTALL NEW TEMPEST MHF INLET CONTROL DEVICE FLOW REGULATOR OR APPROVED EQUIVALENT AT CATCHBASIN, CB-3 OUTLET. MAXIMUM DISCHARGE 30.0 l/s AT 1.32m HEAD AND ORIFICE DIAMETER AT 111mm.

10. SUPPLY AND INSTALL NEW 150mm Ø PERFORATED DRAIN PIPE c/w FILTER SOCK. CONNECT PLAY AREA AND FIELD SUBDRAIN TO CB-3. PROVIDE WATERTIGHT CONNECTION.

11. SUPPLY AND INSTALL NEW LANDSCAPE DRAIN AS PER CITY OF OTTAWA STANDARD DETAIL S30.

12. SUPPLY AND INSTALL SILT FENCE IN ACCORDANCE WITH OPSD 219.130.

13. PROTECT EXISTING MANHOLES AND CATCHBASINS USING A FILTER SOCK OR FILTER BASED IN ACCORDANCE WITH DETAIL 4/C3.

14. SUPPLY AND INSTALL WATTS RD-100 ROOF DRAIN CONTROLS TO BE INSTALLED ON ALL ROOF DRAINS. MAXIMUM CUMULATIVE DISCHARGE 186.5 l/s TOTAL. REFER TO MECHANICAL FOR SPECIFIC WEIR SETTINGS.

OTTAWA CATHOLIC SCHOOL BOARD

Jp2g Consultants Inc.

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SUBJECT PROPERTY

4	SITE PLAN CONTROL Rev.1	2022-02-04
3	80% DESIGN / CLASS A COST ESTIMATE	2021-11-30
2	SITE PLAN CONTROL	2021-11-23
1	PRELIMINARY COORDINATION	2021-10-29
No.	Description	YYYY-MM-DD

LICENSED PROFESSIONAL ENGINEER

P. S. G. HA

100504003

Feb. 4, 2022

PROVINCE OF ONTARIO

Client

P R

T Y

PYE & RICHARDS -

TEMPRANO & YOUNG

ARCHITECTS INC.

824 Meath St. Suite 200

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Project

Barrhaven Catholic

Elementary School

Drawing Title

Street 7, Ottawa, Ontario

Site Servicing, Erosion and Sediment Control Plan

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

Project No.

Scale

As shown

Drawn By

R.W.

Checked

P.H.

Date

Drawing No.

C1

Revision No.

Folder: \\jp2gdata\Project Data\1-MultiDiscipline\2020\20-10958 - OCSS - Barrhaven South School\08 Drawings\03 ISSUED\2022-02-04 Site Plan Control Rev.1\CAD | Drawing: Civil Barrhaven v7.dwg | Layout: C1 site plan | Print date: 9:56 AM February 4, 2022

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**OTTAWA
CATHOLIC
SCHOOL BOARD**



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Client	P R T Y	PYE & RICHARDS - TEMPRANO & YOUNG ARCHITECTS INC. 824 Meath St. Suite 200 613. 724. 7700 Ottawa, ON K1Z 6E8 info@prty.ca
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Project	Barrhaven Catholic Elementary School Street 7, Ottawa, Ontario
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Drawing Title	Grading and Drainage Plan
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Do not scale. Refer any dimensional errors and/or possible trade interference/conflict to the architects for clarification prior to commencement of the work.
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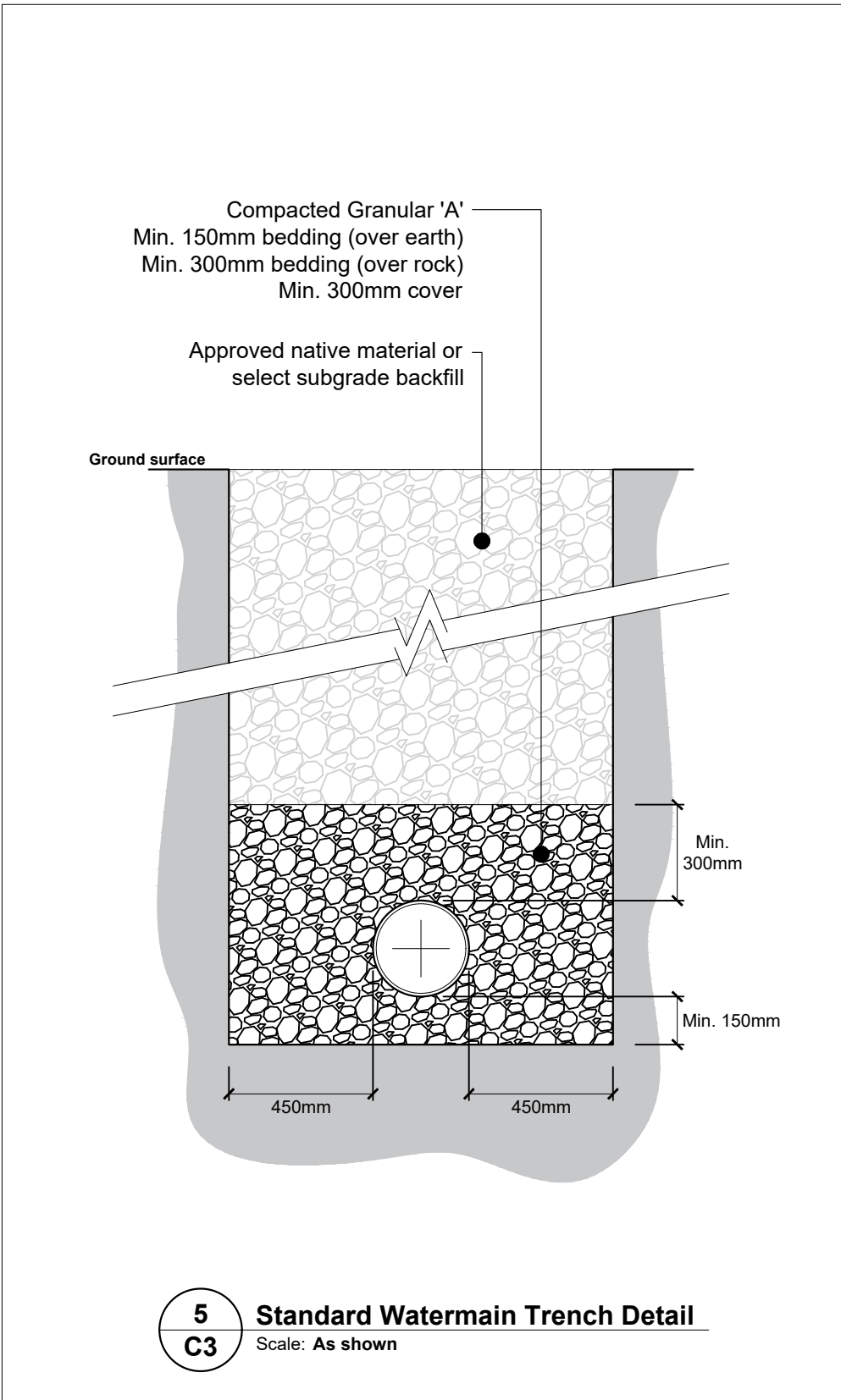
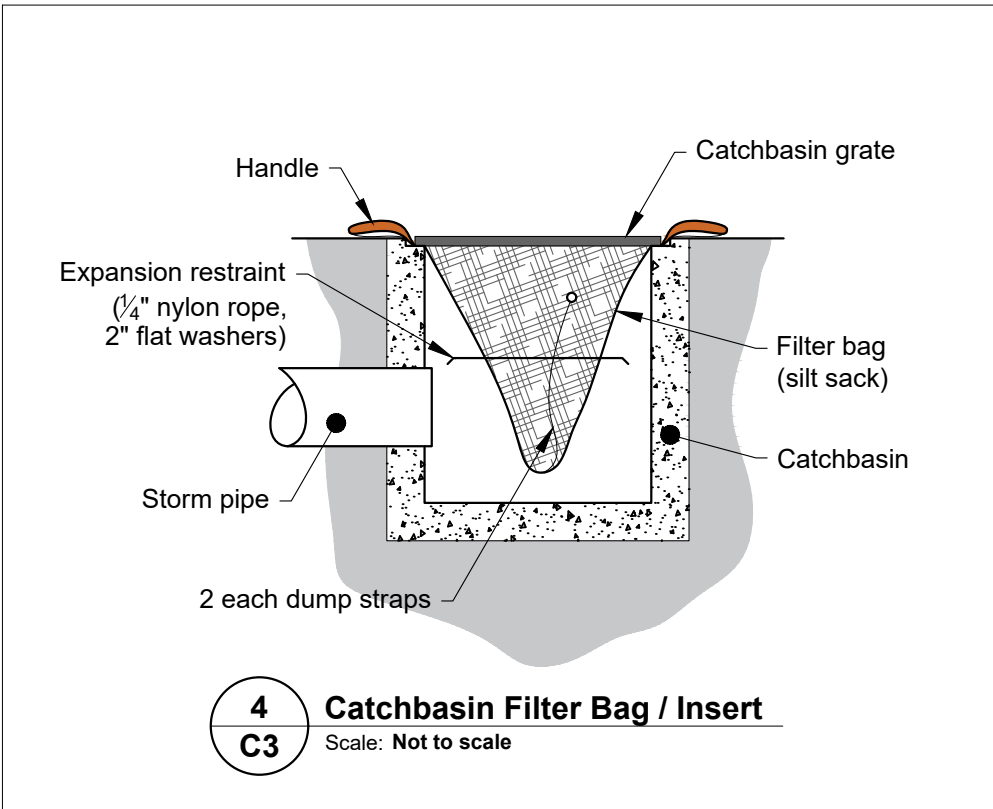
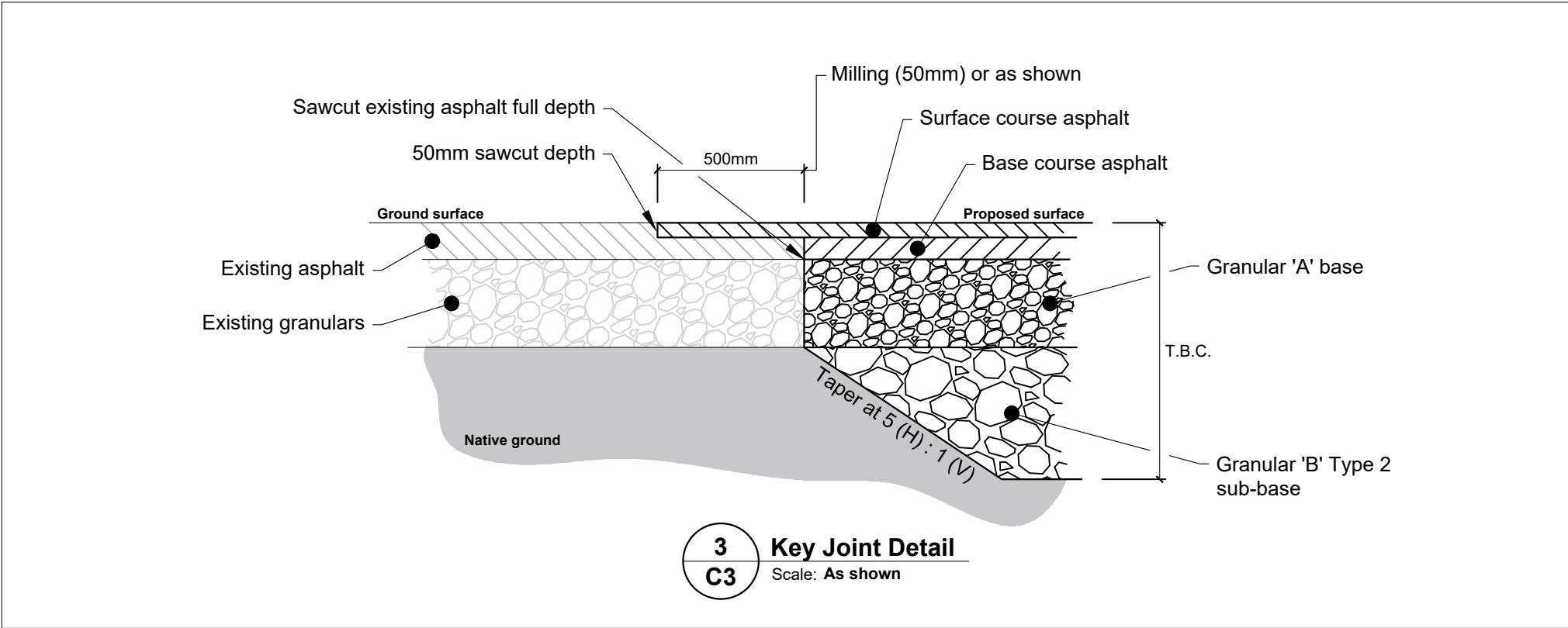
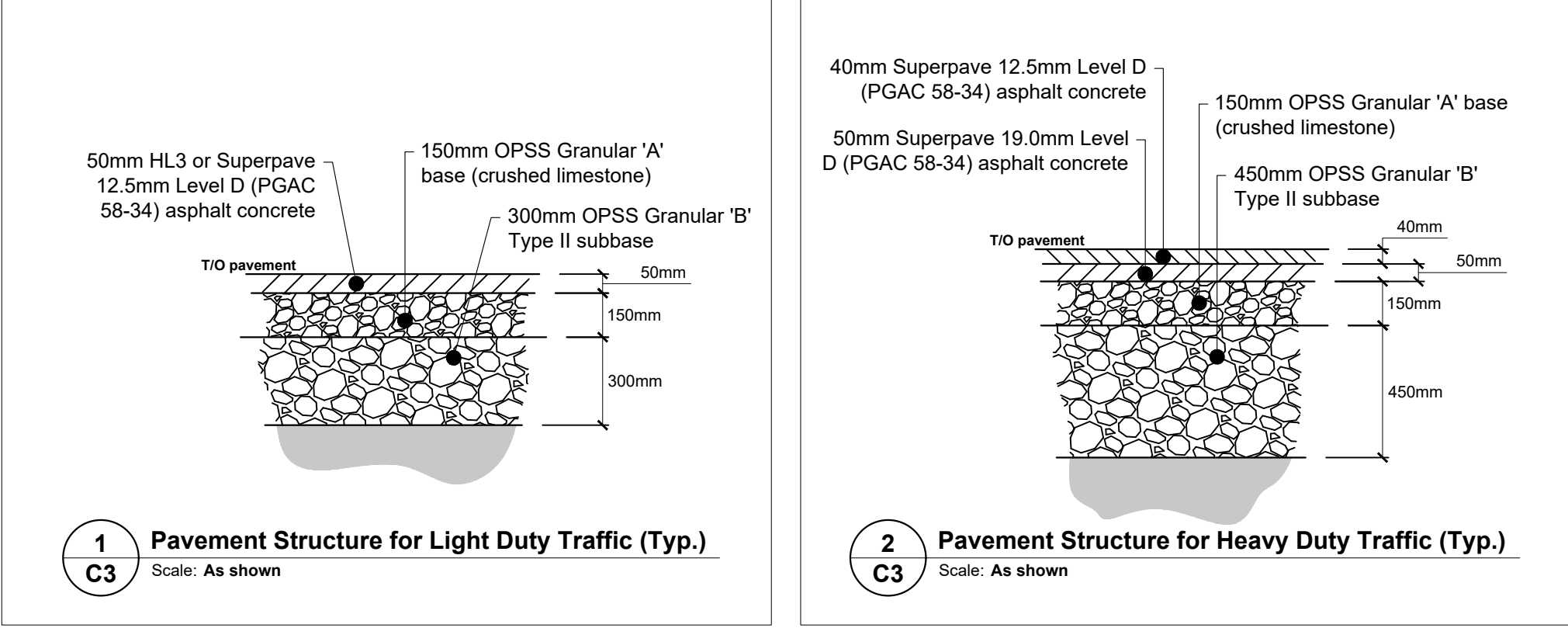
Project No.	
Scale	As shown
Drawn By	R.W.
Checked	P.H.
Date	

Drawing No.	C2
Revision No.	

CROSSING TABLE				
LOCATION	OVER / UNDER	INVERT (m)	OBVERT (m)	VERTICAL CLEARANCE (m)
1	STORM SEWER / SANITARY SEWER	91.78	91.38	0.40

MANHOLE AND CATCHBASIN SCHEDULE				
STRUCTURE ID	TOP OF FRAME ELEVATION (m)	PIPE INVERT ELEVATION (m)	STRUCTURE SIZE (mm) / OPSD No.	FRAME (OPSD)
MH1001A	93.85	Ex. 90.34 SW / New 90.34 NE	1200 / 701.010	-
SAMH-1	93.78	91.09 SW / 91.15 SE	1200 / 701.010	S25 / S24
MH1001	93.90	Ex. 91.38 SW / New 91.53 NE	1800 / 701.012	-
STMH-1	93.74	91.80 SW / 91.95 SE / 91.88 E	1500 / 701.011	S25/ S24.1
CBMH-1	93.30	92.14 NW	1200 / 701.010	S25 / S28.1
CB-1	93.55	92.00 NE	600 X 600 / 705.010	S25 / S19
CB-2	93.55	92.14 SW	600 X 600 / 705.010	S25 / S19
CB-3	93.20	92.30 SW	600 X 600 / 705.010	S25 / S19

WATER SERVICE TABLE				
ID	DESCRIPTION	FINISHED GRADE (m)	T/O WATERMAIN (m)	CHAINAGE (m)
1	MUNICIPAL STUB CONNECTION	93.23	90.70	0+00.00
2	BUILDING ENTRY	94.50	92.10	0+09.00
NOTE: PROVIDE MINIMUM 2.4m COVER OVER T/O WATERMAIN TO FINISHED GRADE, OTHERWISE PROVIDE THERMAL INSULATION HL40.				





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Street 7, Ottawa, Ontario

Drawing Title

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5 C3

Standard Watermain Trench Detail
Scale: As shown

C3

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