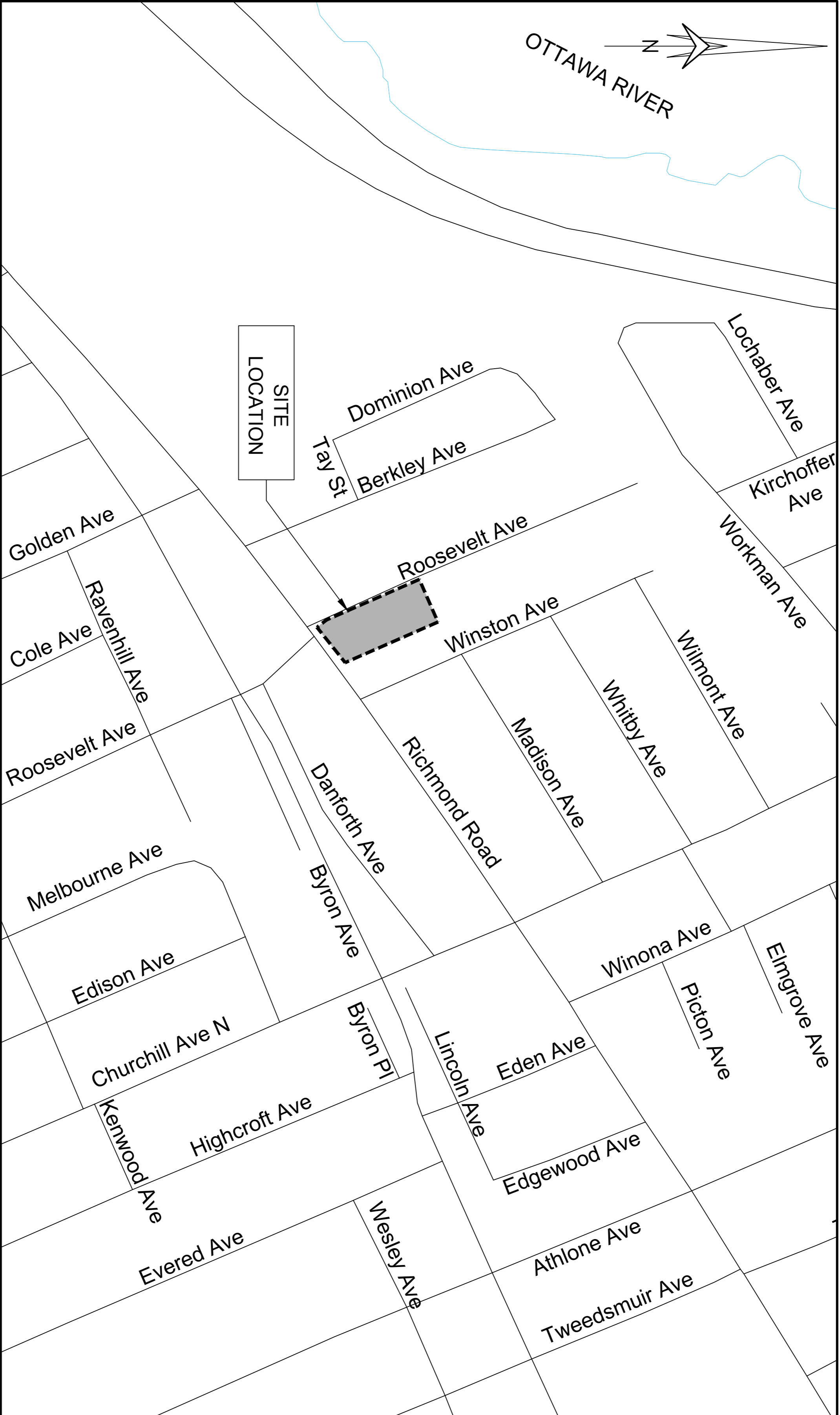


STARWOOD GROUP INC.



THE HAZELTON WESTBORO 403 RICHMOND ROAD & 389 ROOSEVELT AVENUE



LIST OF DRAWINGS

PLAN No:	DESCRIPTION
C000	COVER PAGE
C001	TOPOGRAPHICAL SURVEY PLAN
C002	SEDIMENT AND EROSION CONTROL PLAN
C003	NOTES PLAN - 1 of 2
C004	NOTES PLAN - 2 of 2
C005	GRADE CONTROL AND DRAINAGE PLAN
C006	SITE SERVICING PLAN
C007	STORM WATER MANAGEMENT PLAN
C008	CIVIL DETAILS PLAN - 1 of 7
C009	CIVIL DETAILS PLAN - 2 of 7
C010	CIVIL DETAILS PLAN - 3 of 7
C011	CIVIL DETAILS PLAN - 4 of 5
C012	CIVIL DETAILS PLAN - 5 of 5



STARWOOD GROUP INC.
THE HAZELTON WESTBORO
403 RICHMOND ROAD & 389 ROOSEVELT AVENUE
RE-ISSUED FOR SITE PLAN CONTROL - NOVEMBER 7, 2022



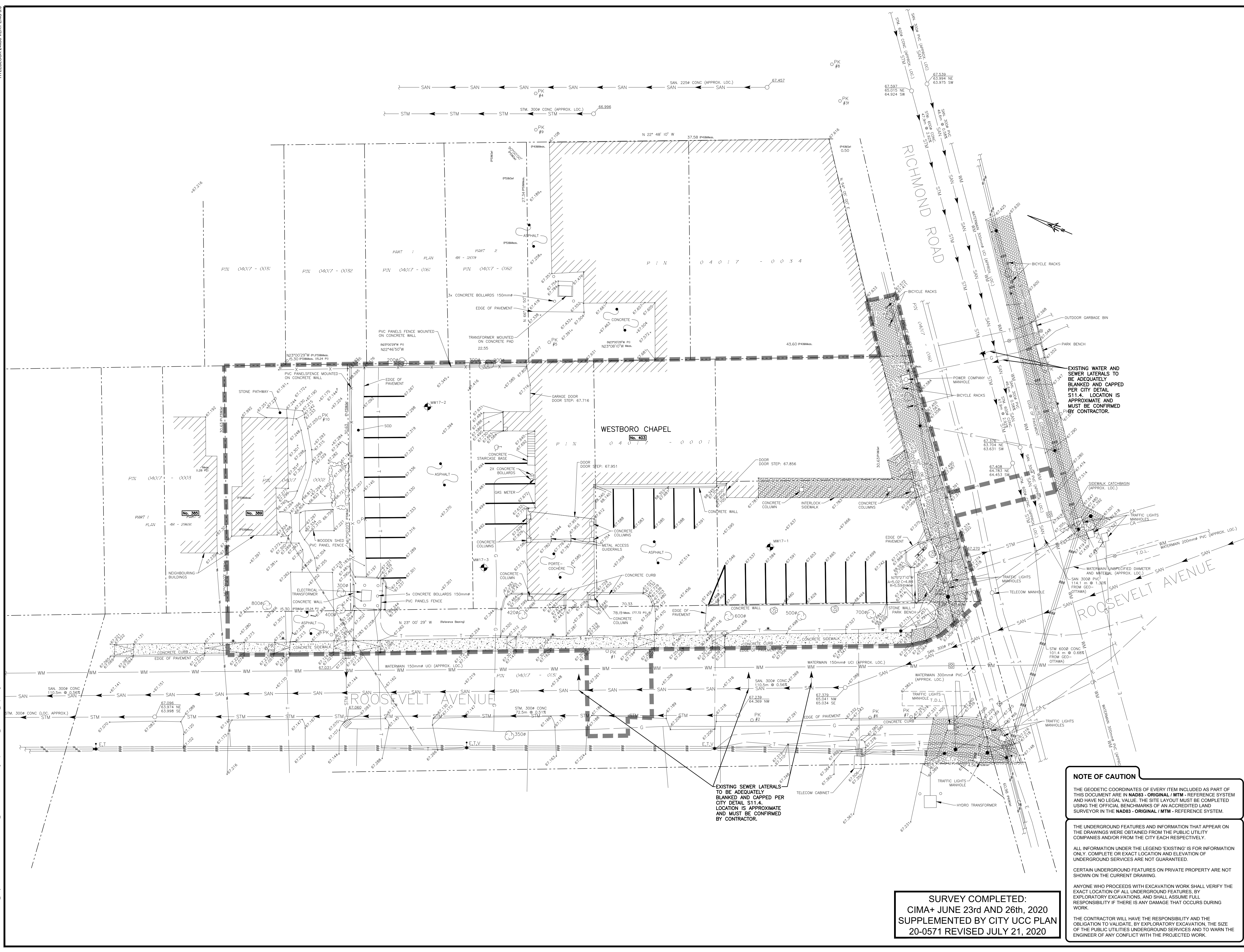
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 110-365 Catherine Street, Ottawa, ON K2P 2G8 CANADA

C000

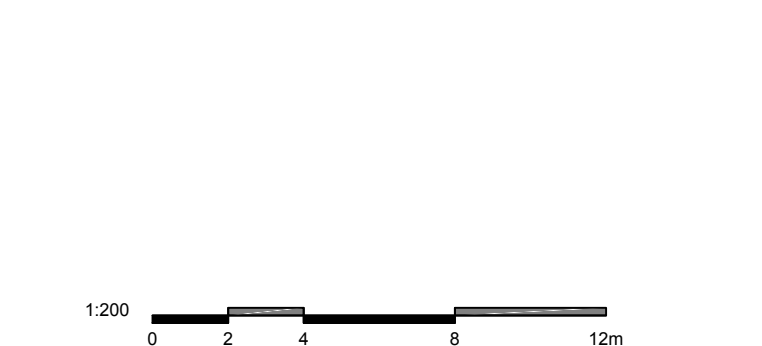
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D07-12-22-00676

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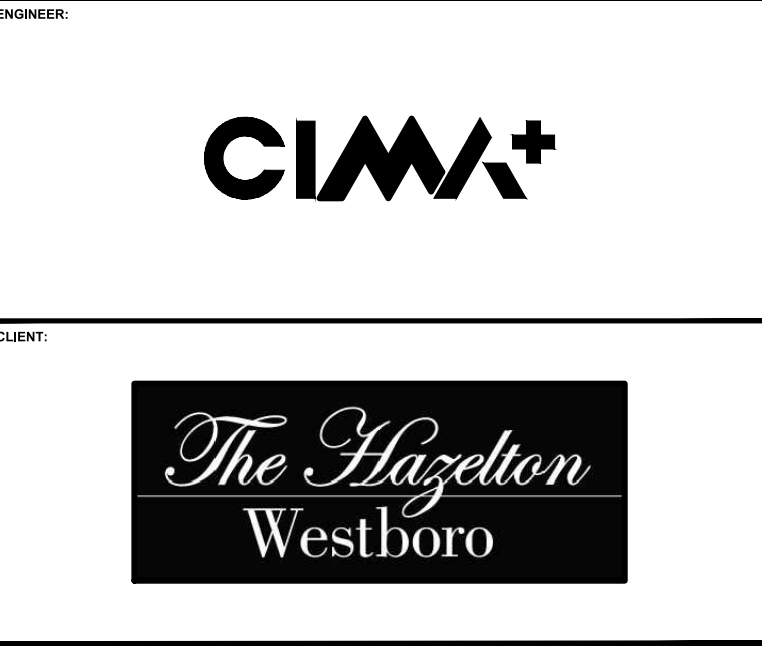


EXISTING		PROPOSED	
WM	WATERMAIN	WM	WATERMAIN
SAN	SANITARY SEWER	SAN	SANITARY SEWER
STM	STORM SEWER	STM	STORM SEWER
D	DRAIN	D	DRAIN
G	GAS LINE (APPROX. LOC.)	G	GAS LINE (APPROX. LOC.)
T	UNDERGROUND TELEPHONE (APPROX. LOC.)	T	UNDERGROUND TELEPHONE (APPROX. LOC.)
CA	UNDERGROUND TRAFFIC CABLE (APPROX. LOC.)	CA	UNDERGROUND TRAFFIC CABLE (APPROX. LOC.)
E	UNDERGROUND ELECTRICITY (APPROX. LOC.)	E	UNDERGROUND ELECTRICITY (APPROX. LOC.)
OT	OVERHEAD WIRES	OT	OVERHEAD WIRES
PK	LOT LINE	PK	LOT LINE
WL	RIGHT-OF-WAY LIMITS	WL	RIGHT-OF-WAY LIMITS
EA	EASEMENT	EA	EASEMENT
TS	TOP OF SLOPE	TS	TOP OF SLOPE
BS	BOTTOM OF SLOPE	BS	BOTTOM OF SLOPE
WA	WOOD AREA	WA	WOOD AREA
GC	GRADE CROSSING	GC	GRADE CROSSING
FP	FLAGPOLE	FP	FLAGPOLE
CB	CATCHBASIN	CB	CATCHBASIN
MC	MANHOLE/CATCHBASIN	MC	MANHOLE/CATCHBASIN
FM	FIRE HYDRANT	FM	FIRE HYDRANT
V	VALVE	V	VALVE
R	REDUCER	R	REDUCER
TE	TEE	TE	TEE
VC	VALVE CHAMBER	VC	VALVE CHAMBER
PU	PRIVATE UTILITIES (WATERMAIN)	PU	PRIVATE UTILITIES (WATERMAIN)
EF	EXTERIOR WATER FAUCET	EF	EXTERIOR WATER FAUCET
SL	SLUCEWAY	SL	SLUCEWAY
NG	NATURAL GAS VALVE	NG	NATURAL GAS VALVE
SI	SIGN	SI	SIGN
SS	STOP SIGN	SS	STOP SIGN
TL	TRAFFIC LIGHT	TL	TRAFFIC LIGHT
EP	ELECTRICITY POLE	EP	ELECTRICITY POLE
TP	TELEPHONE POLE	TP	TELEPHONE POLE
ET	ELECT.-TEL-STREET LIGHT POLE	ET	ELECT.-TEL-STREET LIGHT POLE
ET	ELECT.-TEL-TRANSFORMER POLE	ET	ELECT.-TEL-TRANSFORMER POLE
PSL	PRIVATE STREET LIGHT	PSL	PRIVATE STREET LIGHT
EM	ELECTRICITY MANHOLE	EM	ELECTRICITY MANHOLE
TM	TELEPHONE MANHOLE	TM	TELEPHONE MANHOLE
ST	SURVEY STATION	ST	SURVEY STATION
EL	ELEVATION	EL	ELEVATION
			+ 99,000
BM	BENCHMARK	BM	BENCHMARK
B	BENCHMARK	B	BENCHMARK
W	WORK LIMIT	W	WORK LIMIT



No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY	APPROVED BY



PROJECT NAME:
403 RICHMOND ROAD & 389 ROOSEVELT AVENUE

SHEET TITLE:
TOPOGRAPHICAL SURVEY PLAN

DISCIPLINE:	
CIVIL	
DRAWER:	SCALE:
S.C. POGGIOLI	1:200
DESIGNER:	DATE:
T. KENNEDY	2022/04/07
APPROVER:	APPROVER:
T. KENNEDY	T. KENNEDY
PROJECT No.:	DRAWING No.:
A001046	C001
SHEET No.:	
1 of 12	

NOTE OF CAUTION

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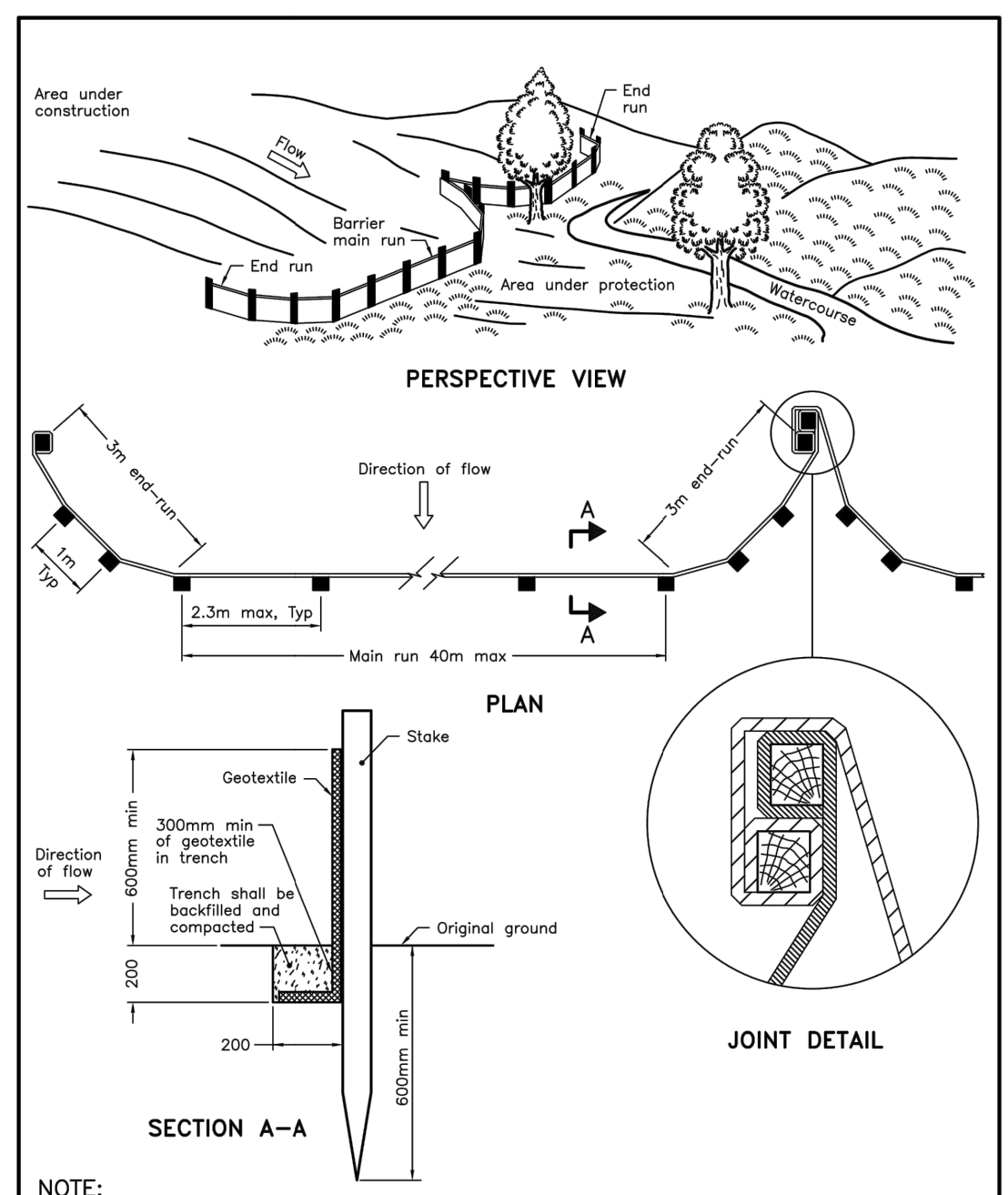
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SURVEY COMPLETED:
 CIMA+ JUNE 23rd AND 26th, 2020
 SUPPLEMENTED BY CITY UCC PLAN
 20-0571 REVISED JULY 21, 2020

D07-12-22-00676

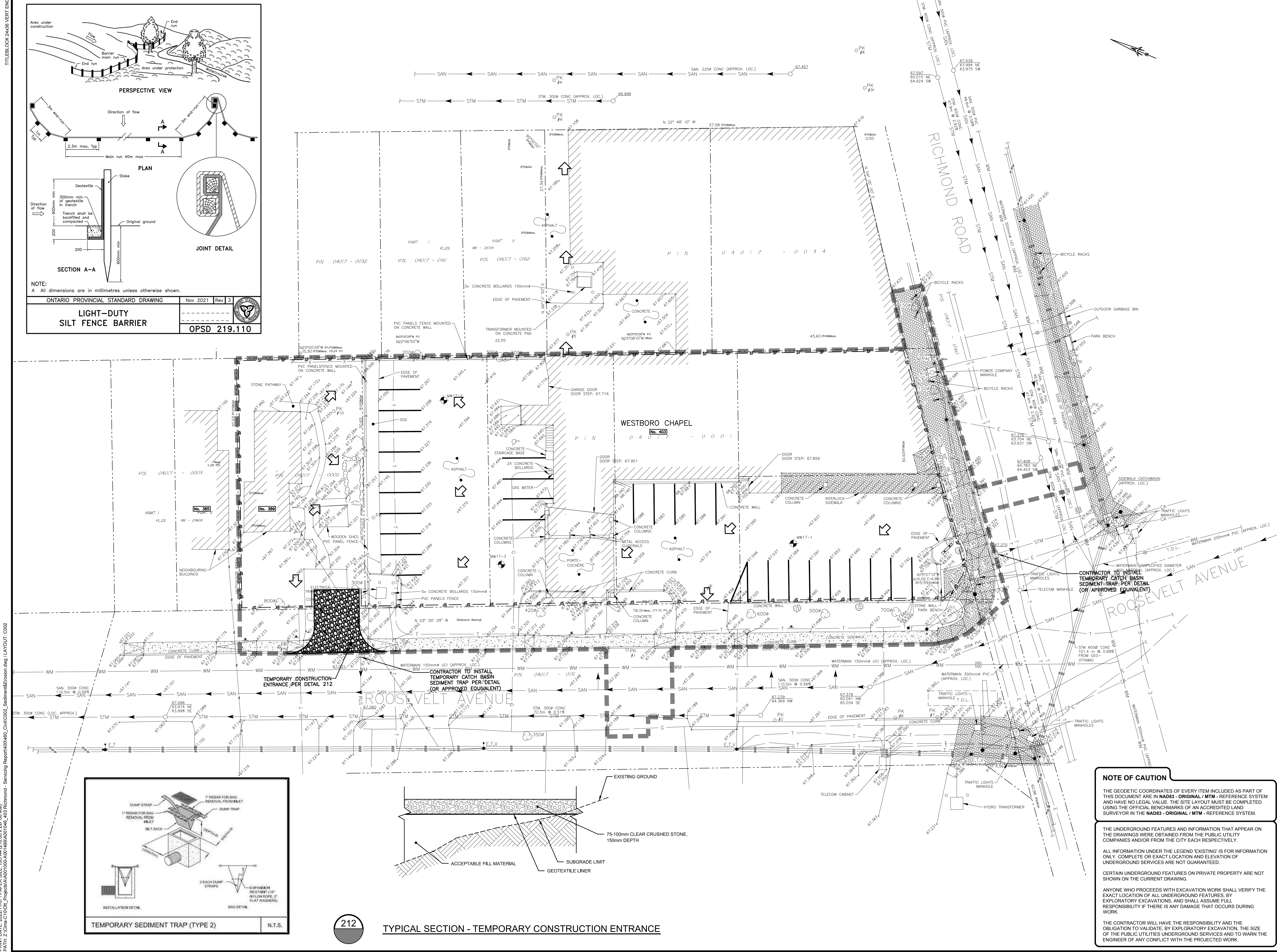
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NOTE:
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2021 Rev 3
LIGHT-DUTY SILT FENCE BARRIER
 OPD 219.110

PRINT DATE: 2022/11/07 / PAPER SIZE: ISO A4 (210.00 x 297.00 MM)
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EXISTING

- WM WATERMAIN
- SAN SANITARY SEWER
- STM STORM SEWER
- D DRAIN
- G GAS LINE (APPROX. LOC.)
- T UNDERGROUND TELEPHONE (APPROX. LOC.)
- U UNDERGROUND CABLE (APPROX. LOC.)
- CA LOT LINE
- E UNDERGROUND ELECTRICITY (APPROX. LOC.)
- W OVERHEAD WIRES
- FL FENCE
- RL RIGHT-OF-WAY LIMITS
- EASEMENT
- TOP OF SLOPE
- DITCH CENTER
- BOTTOM OF SLOPE
- WOOD AREA
- GRADE CROSSING
- FLAGPOLE
- CATCHBASIN
- MANHOLE/CATCHBASIN
- MANHOLE
- FIRE HYDRANT
- VALVE
- REDUCER
- TEE
- VALVE CHAMBER
- PRIVATE UTILITIES (WATERMAIN)
- EXTERIOR WATER FAUCET
- SLUICeway
- NATURAL GAS VALVE
- SIGN
- STOP SIGN
- TRAFFIC LIGHT
- ELECTRICITY POLE
- TELEPHONE POLE
- ELECT.-TEL.-STREET LIGHT POLE
- ELECT.-TEL.-TRANSFORMER POLE
- PRIVATE STREET LIGHT
- ELECTRICITY MANHOLE
- TELEPHONE MANHOLE
- SURVEY STATION
- ELEVATION
- MW17-1 BOREHOLE (LOC. APPROX.)
- GROUND ELEVATION (BEDROCK ELEVATION)
- SILT FENCE PER OPD 219.110
- OVERLAND FLOW
- TEMPORARY CONSTRUCTION ENTRANCE
- WORK LIMIT

PROPOSED

1:200 0 2 4 8 12m

No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY: **J. C. ADAMS**
 100519478
 7 November 2022
 PROVINCE OF ONTARIO

APPROVED BY: **T. G. KENNEDY**
 100173201
 November 7, 2022
 PROVINCE OF ONTARIO

CIMA+

The Hazelton
Westboro

PROJECT NAME:
403 RICHMOND ROAD & 389 ROOSEVELT AVENUE

SHEET TITLE:
SEDIMENT AND EROSION CONTROL PLAN

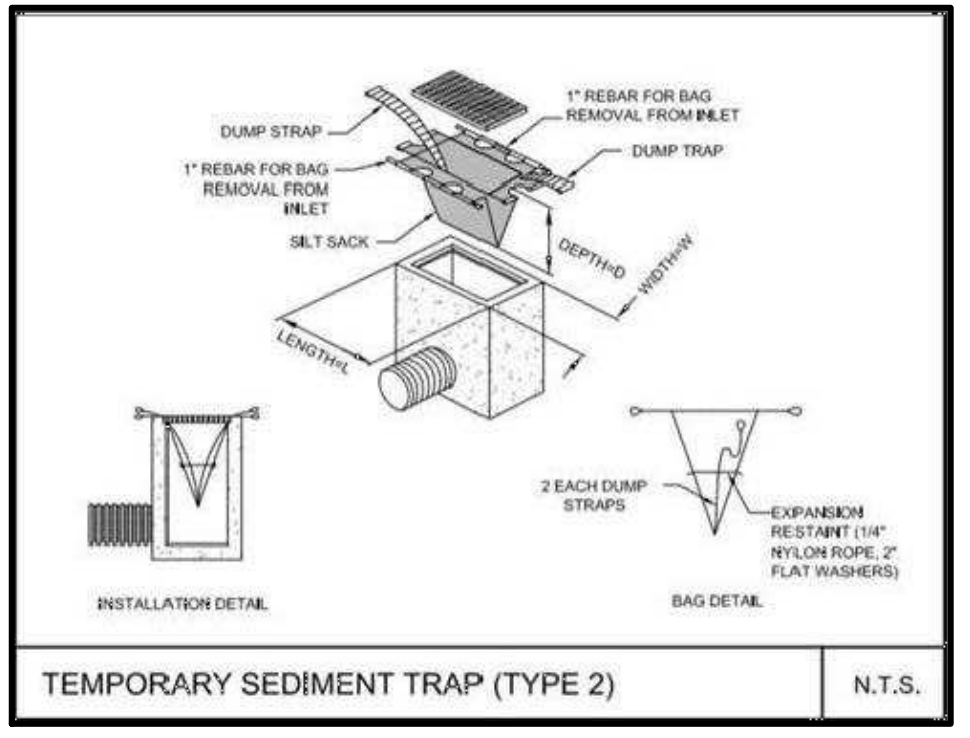
DISCIPLINE: **CIVIL**

DRAWN BY: S.C. POGGIOLI
 DESIGNED BY: G. JOSEPH
 APPROVED BY: T. KENNEDY

SCALE: 1:200
 DATE: 2022/04/07
 APPROVED BY: T. KENNEDY

PROJECT NO.: A001046
 SHEET NO.: 2 of 12

C002



212

TYPICAL SECTION - TEMPORARY CONSTRUCTION ENTRANCE

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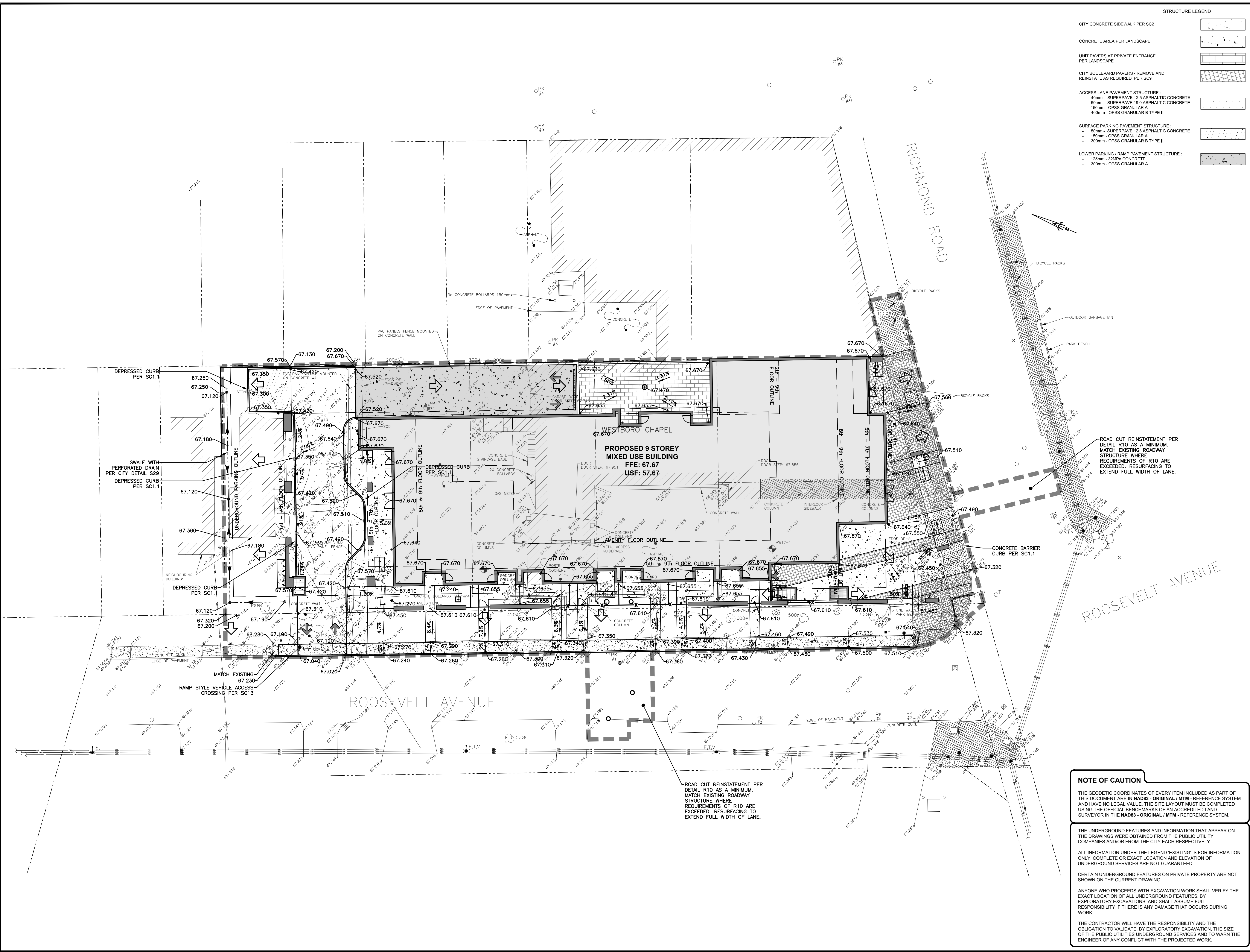
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D07-12-22-00676



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STRUCTURE LEGEND

- CITY CONCRETE SIDEWALK PER SC2
- CONCRETE AREA PER LANDSCAPE
- UNIT PAVERS AT PRIVATE ENTRANCE PER LANDSCAPE
- CITY BOULEVARD PAVERS - REMOVE AND REINSTATE AS REQUIRED PER SC9
- ACCESS LANE PAVEMENT STRUCTURE:
 - 40mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - 50mm - SUPERPAVE 19.0 ASPHALTIC CONCRETE
 - 150mm - OPSS GRANULAR A
 - 400mm - OPSS GRANULAR B TYPE II
- SURFACE PARKING PAVEMENT STRUCTURE:
 - 50mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE
 - 150mm - OPSS GRANULAR A
 - 300mm - OPSS GRANULAR B TYPE II
- LOWER PARKING / RAMP PAVEMENT STRUCTURE:
 - 125mm - 32MPa CONCRETE
 - 300mm - OPSS GRANULAR A

EXISTING

- WM - WATERMAIN
- SS - SANITARY SEWER
- STM - STORM SEWER
- D - DRAIN
- G - GAS LINE (APPROX. LOC.)
- T - UNDERGROUND TELEPHONE (APPROX. LOC.)
- CA - UNDERGROUND TRAFFIC CABLE (APPROX. LOC.)
- E - OVERHEAD ELECTRICITY (APPROX. LOC.)
- OT - OVERHEAD WIRES
- PK - LOT LINE
- RL - RIGHT-OF-WAY LIMITS
- EA - EASEMENT
- TS - TOP OF SLOPE
- DC - DITCH CENTER
- BS - BOTTOM OF SLOPE
- WA - WOOD AREA
- GC - GRADE CROSSING
- FP - FLAGPOLE
- CB - CATCHBASIN
- MC - MANHOLE/CATCHBASIN
- MH - MANHOLE
- FH - FIRE HYDRANT
- V - VALVE
- R - REDUCER
- TEE - TEE
- VC - VALVE CHAMBER
- PU - PRIVATE UTILITIES (WATERMAIN)
- EF - EXTERIOR WATER FAUCET
- SL - SLUICeway
- NV - NATURAL GAS VALVE
- SN - SIGN
- SS - STOP SIGN
- TL - TRAFFIC LIGHT
- EP - ELECTRICITY POLE
- TP - TELEPHONE POLE
- ET - ELECT.-TEL-STREET LIGHT POLE
- ET - ELECT.-TEL-TRANSFORMER POLE
- PS - PRIVATE STREET LIGHT
- EM - ELECTRICITY MANHOLE
- TM - TELEPHONE MANHOLE
- ST - SURVEY STATION
- EL - ELEVATION
- DR - DRAINAGE DIRECTION
- BB - BOREHOLE (LOC. APPROX.)
- OF - OVERLAND FLOW
- WL - WORK LIMIT

1:200 0 2 4 8 12m

No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY: **J. C. ADAMS** (LICENSED PROFESSIONAL ENGINEER, 100519478, 7 November 2022, PROVINCE OF ONTARIO)

APPROVED BY: **T. G. KENNEDY** (LICENSED PROFESSIONAL ENGINEER, 100173201, November 7, 2022, PROVINCE OF ONTARIO)

CIMA+

CLIENT: **The Hazelton Westboro**

PROJECT NAME: **403 RICHMOND ROAD & 389 ROOSEVELT AVENUE**

SHEET TITLE: **GRADE CONTROL AND DRAINAGE PLAN**

DISCIPLINE: **CIVIL**

DRAWER: S.C. POGGIOLI | SCALE: 1:200

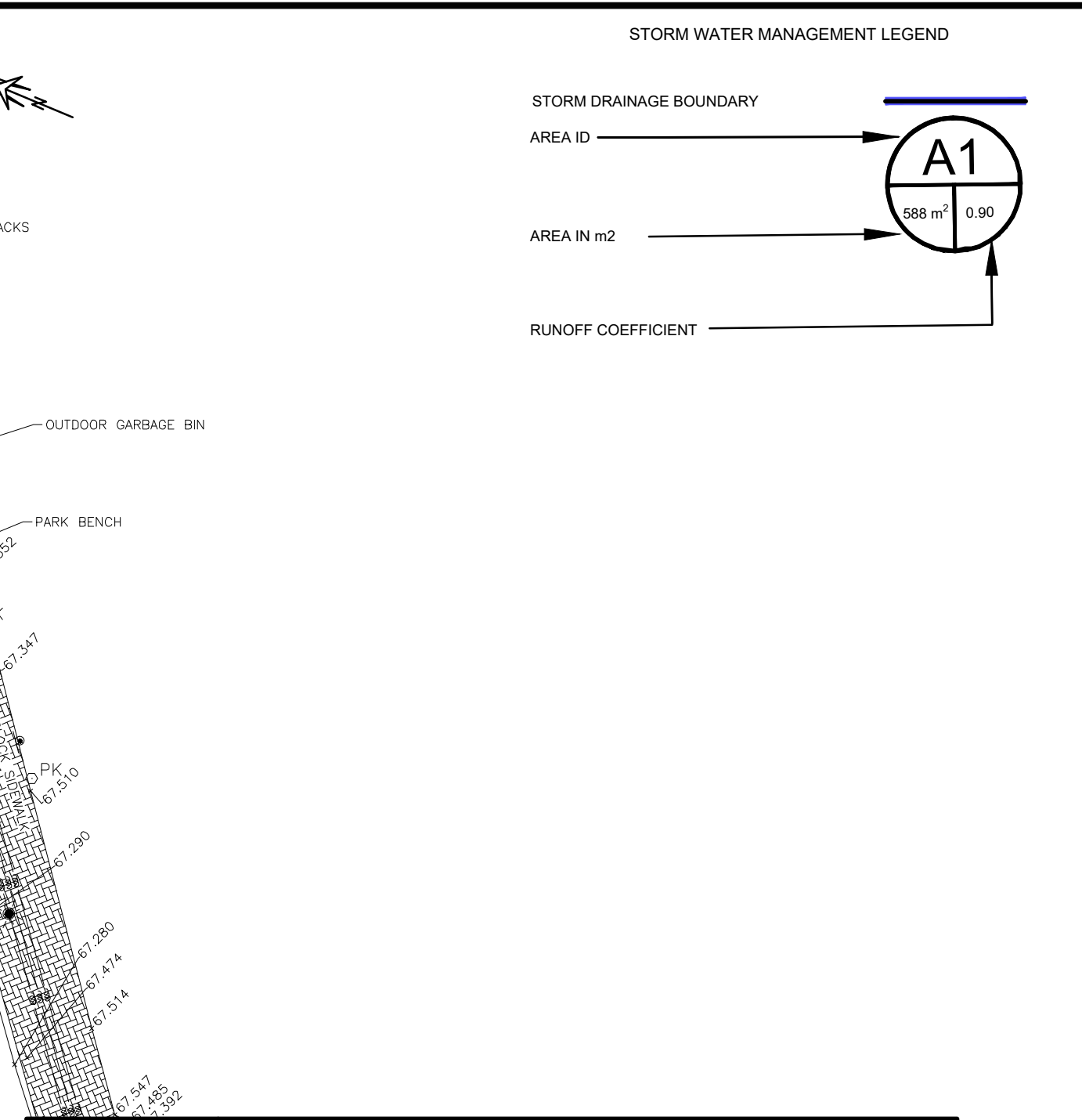
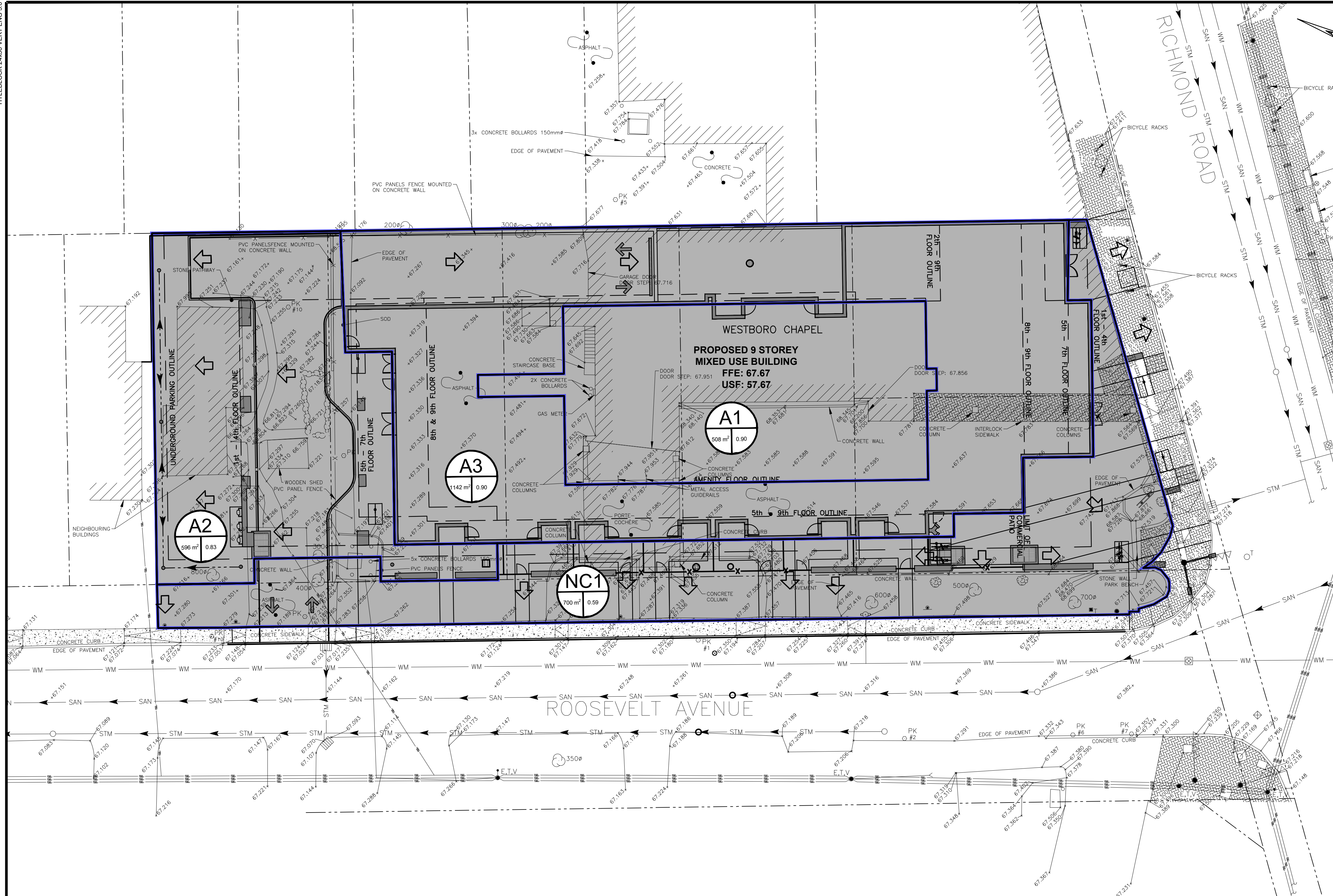
DESIGNER: J. ADAMS | DATE: 2022/04/07

APPROVER: T. KENNEDY | APPROVER: T. KENNEDY

PROJECT No.: A001046 | DRAWING No.: C005

SHEET No.: 5 of 12

TITLEBLOCK 24388 VERT ENG 3.0
 PRINT DATE: 2022/11/07 / PAPER SIZE: ISO A4 (210.0 x 297.00 MM) / PATH: Z:\C:\na\C10101_P\Projects\A01000-A0169\A01046_403 Richmond - Servicing Report\DWG - Civil\DWG-SWM.dwg / LAYOUT: C007



WATTS Adjustable Accutrol Weir Adjustable Flow Control for Roof Drains

ADJUSTABLE ACCUTROL (for Large Sump Roof Drains only)

For more flexibility in controlling flow with heads deeper than 2", Watts Drainage offers the Adjustable Accutrol. The Adjustable Accutrol Weir is designed with a single parabolic opening that can be covered to restrict flow above 2" of head to less than 5 gpm per inch, up to 6" of head. To adjust the flow rate for depths over 2" of head, set the slot in the adjustable upper cone according to the flow rate required. Refer to Table 1 below.

Note: Flow rates are directly proportional to the amount of weir opening that is exposed.

EXAMPLE:

For example, if the adjustable upper cone is set to cover 1/2 of the weir opening, flow rates above 2" of head will be restricted to 2 1/2 gpm per inch of head.

Therefore, at 3" of head, the flow rate through the Accutrol Weir that has 1/2 the slot exposed will be: [5 gpm (per inch of head) x 2 inches of head] + 2 1/2 gpm (for the third inch of head) = 12 1/2 gpm.

TABLE 1. Adjustable Accutrol Flow Rate Settings

Weir Opening Exposed	1"	2"	3"	4"	5"	6"
Full Exposed	5	10	15	20	25	30
3/4	5	10	13.5	18	22.5	27
1/2	5	10	12.5	16	20	24
1/4	5	10	11.25	15	18.75	22.5
Control	5	5	5	5	5	5

Job Name: _____ Contractor: _____
 Job Location: _____ Contractor's P.O. No.: _____
 Engineer: _____ Representative: _____

Watts product specifications in U.S. customary units and metric are appropriate and are provided for reference only. For precise measurements, please consult Watts technical service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without assuming any liability for such changes and modifications to these product drawings or data sheets.

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 Canada: Tel: (905) 332-0300 • Fax: (905) 332-7970 • Watts.com
 Latin America: Tel: (800) 81-1000-8000 • Fax: (800) 81-1000-7000 • Watts.com
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No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY:

APPROVED BY:

STORMWATER MANAGEMENT - PRELIMINARY RETENTION CALCULATIONS - 2 YEAR EVENT

Sub-Area	Total Area (m ²)	Available Storage Area (m ²)	Catchbasin/Roof Drain Elevation (m)	Maximum Ponding Elevation (m)	Y _{max} (m)	V _{max} (m ³)	V _{rain} (m ³)	V _{acc} (m ³)	Y _{rain} (m)	Elev _{rain} (m)	A _{rain} (m ²)	Q (L/s)	Drawdown Time (min)	Comments
A1	508	508	100.00	100.15	0.15	25.4	5.8	5.8	0.07	100.07	242	1.90	50	Controlled roof area
A2	596	-	-	-	-	22.2	1.4	1.4	-	-	-	9.59	2	Area to swale
A3	1142	-	-	-	-	25.0	4.0	4.0	-	-	-	16.25	4	Areas to Tank
NC1	700	-	-	-	-	-	-	-	-	-	-	0.00	-	Unattenuated Areas
Total	2946	508				72.6	11.1	11.1				27.74		

DEFINITIONS OF ABBREVIATIONS USED IN CALCULATION TABLE:

NC = Area is not controlled (unattenuated)
 Available Area = Area of water accumulated in sub-area at Max. Elev.
 Catchbasin Elev. = Elevation of catchbasin inlet (top of grate)
 Max. Elev. = Maximum elevation of water that may be accumulated within sub-area.
 Y_{max} = Maximum depth of water that may be accumulated within the sub-area.
 V_{max} = Maximum volume of water (capacity) that may be accumulated within the sub-area.
 V_{rain} = Volume of water generated by rainfall.
 V_{acc} = Total volume of water accumulated within the sub-area in the event of a specific rainfall.
 Y_{rain} = Depth of water generated by rainfall.
 Elev_{rain} = Elevation of water generated by rainfall.
 A_{rain} = Area of water generated by rainfall.
 Q = Release flow rate.
 Drawdown Time = Time required for the total volume of water accumulated within sub-area to subside.

STORMWATER MANAGEMENT - PRELIMINARY RETENTION CALCULATIONS - 100 YEAR EVENT

Sub-Area	Total Area (m ²)	Available Storage Area (m ²)	Catchbasin/Roof Drain Elevation (m)	Maximum Ponding Elevation (m)	Y _{max} (m)	V _{max} (m ³)	V _{rain} (m ³)	V _{acc} (m ³)	Y _{rain} (m)	Elev _{rain} (m)	A _{rain} (m ²)	Q (L/s)	Drawdown Time (min)	Comments
A1	508	508	100.00	100.15	0.15	25.4	20.1	20.1	0.13	100.13	452	1.90	177	Controlled roof area
A2	596	-	-	-	-	22.2	11.6	11.6	-	-	-	9.59	20	Area to swale
A3	1142	-	-	-	-	25.0	24.1	24.1	-	-	-	16.25	25	Areas to Tank
NC1	700	-	-	-	-	-	-	-	-	-	-	0.00	-	Unattenuated Areas
Total	2946	508				72.6	55.9	55.9				27.74		

DEFINITIONS OF ABBREVIATIONS USED IN CALCULATION TABLE:

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 V_{max} = Maximum volume of water (capacity) that may be accumulated within the sub-area.
 V_{rain} = Volume of water generated by rainfall.
 V_{acc} = Total volume of water accumulated within the sub-area in the event of a specific rainfall.
 Y_{rain} = Depth of water generated by rainfall.
 Elev_{rain} = Elevation of water generated by rainfall.
 A_{rain} = Area of water generated by rainfall.
 Q = Release flow rate.
 Drawdown Time = Time required for the total volume of water accumulated within sub-area to subside.

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CERTAIN UNDERGROUND FEATURES ON PRIVATE PROPERTY ARE NOT SHOWN ON THE CURRENT DRAWING.

ANYONE WHO PROCEEDS WITH EXCAVATION WORK SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND FEATURES, BY EXPLORATORY EXCAVATIONS, AND SHALL ASSUME FULL RESPONSIBILITY IF THERE IS ANY DAMAGE THAT OCCURS DURING WORK.

THE CONTRACTOR WILL HAVE THE RESPONSIBILITY AND THE OBLIGATION TO VALIDATE, BY EXPLORATORY EXCAVATION, THE SIZE OF THE PUBLIC UTILITIES UNDERGROUND SERVICES AND TO WARN THE ENGINEER OF ANY CONFLICT WITH THE PROJECTED WORK.

DESIGNED BY:

APPROVED BY:

CIMA+

PROJECT NAME: 403 RICHMOND ROAD & 389 ROOSEVELT AVENUE

SHEET TITLE: STORM WATER MANAGEMENT PLAN

DISCIPLINE: CIVIL

DRAWER: S.C. POGGIOLI

DESIGNER: J. ADAMS

APPROVER: T. KENNEDY

PROJECT NO: A001046

SCALE: 1:1

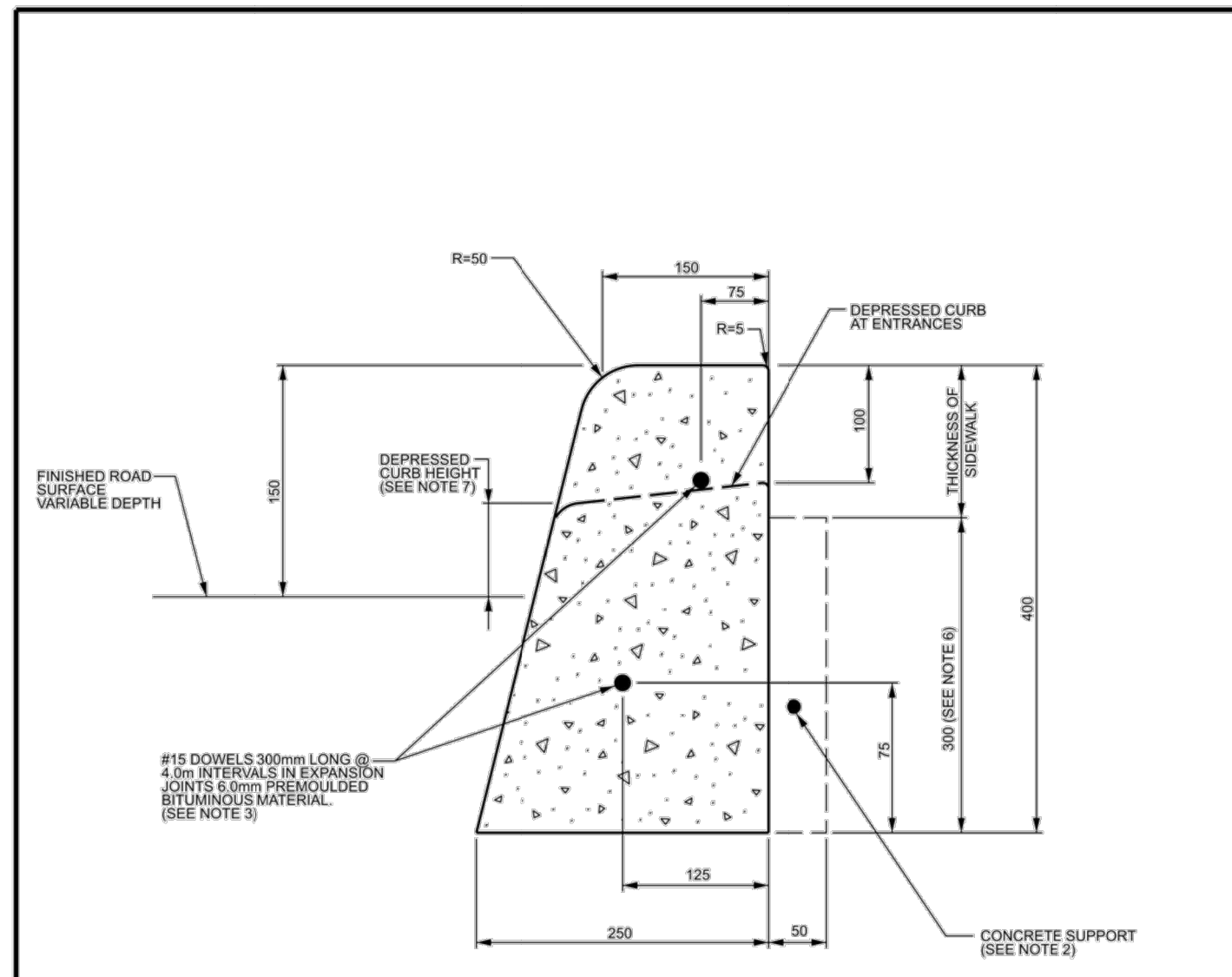
DATE: 2022/04/07

APPROVER: T. KENNEDY

DRAWING NO: C007

7 of 12

D07-12-22-00676

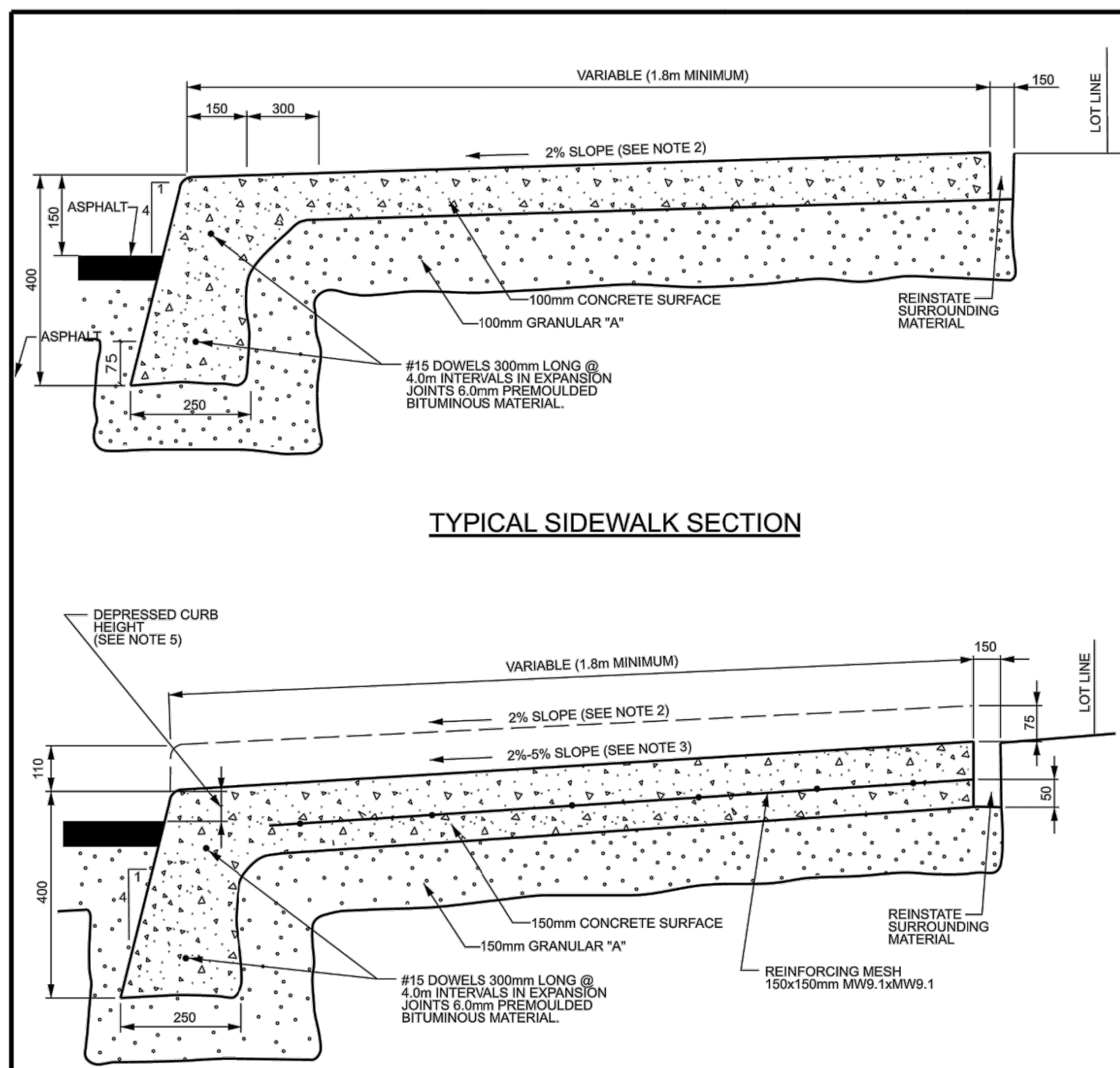


CONCRETE BARRIER CURB

- NOTES:
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
 2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
 3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
 4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
 6. FOR DEPRESSED CURB AT ENTRANCES USE 250.
 7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

N.T.S.

	CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)	DATE: JANUARY 2003 REV. DATE: MARCH 2021 DWG. No.: SC1.1
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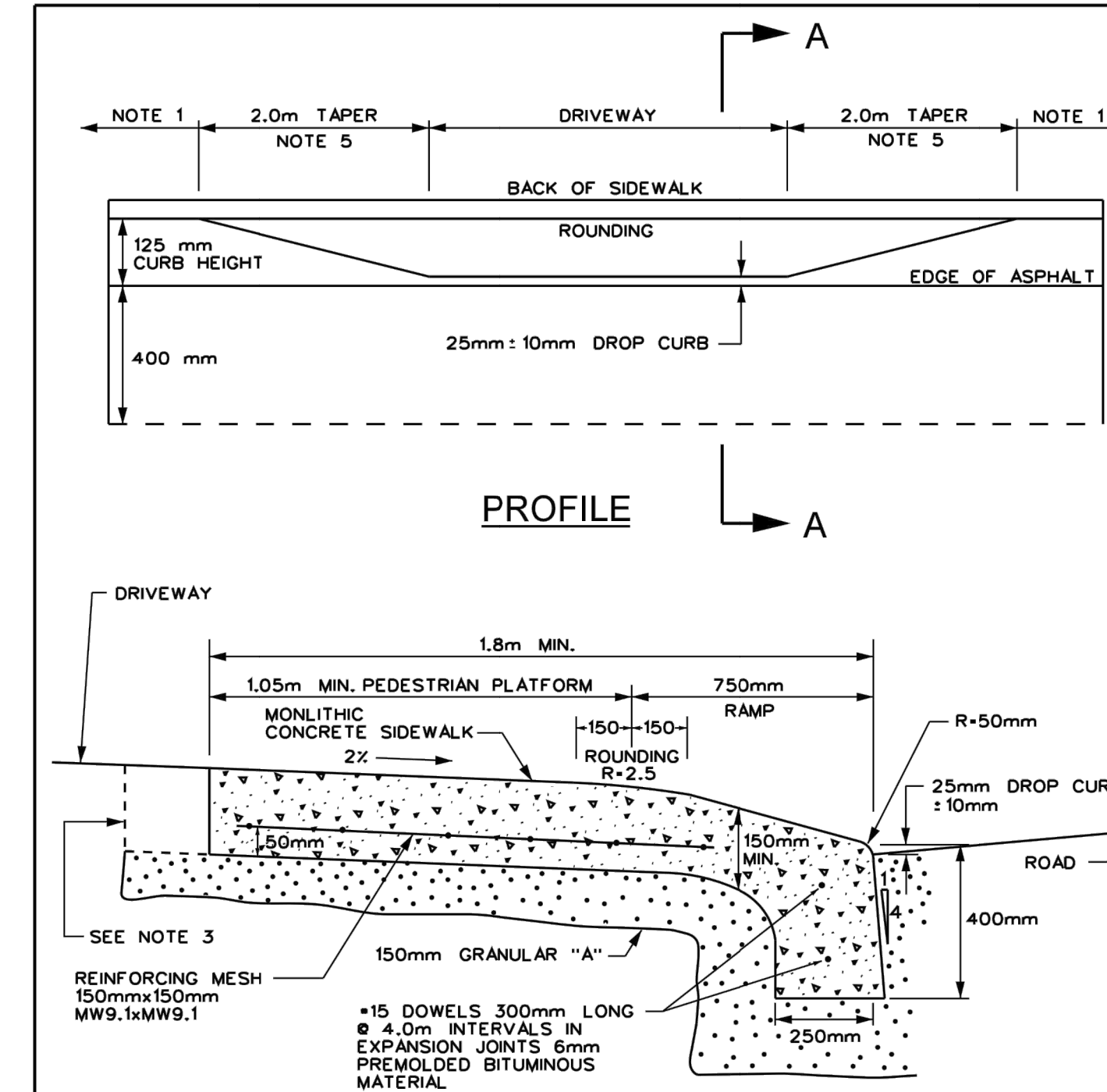
TYPICAL SIDEWALK SECTION

SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
 2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
 3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%.
 4. EXPANSION AND DUMMY JOINTS AS PER SC5.
 5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

	MONOLITHIC CONCRETE CURB AND SIDEWALK	DATE: MAY 2001 REV. DATE: MAY 2021 DWG. No.: SC2
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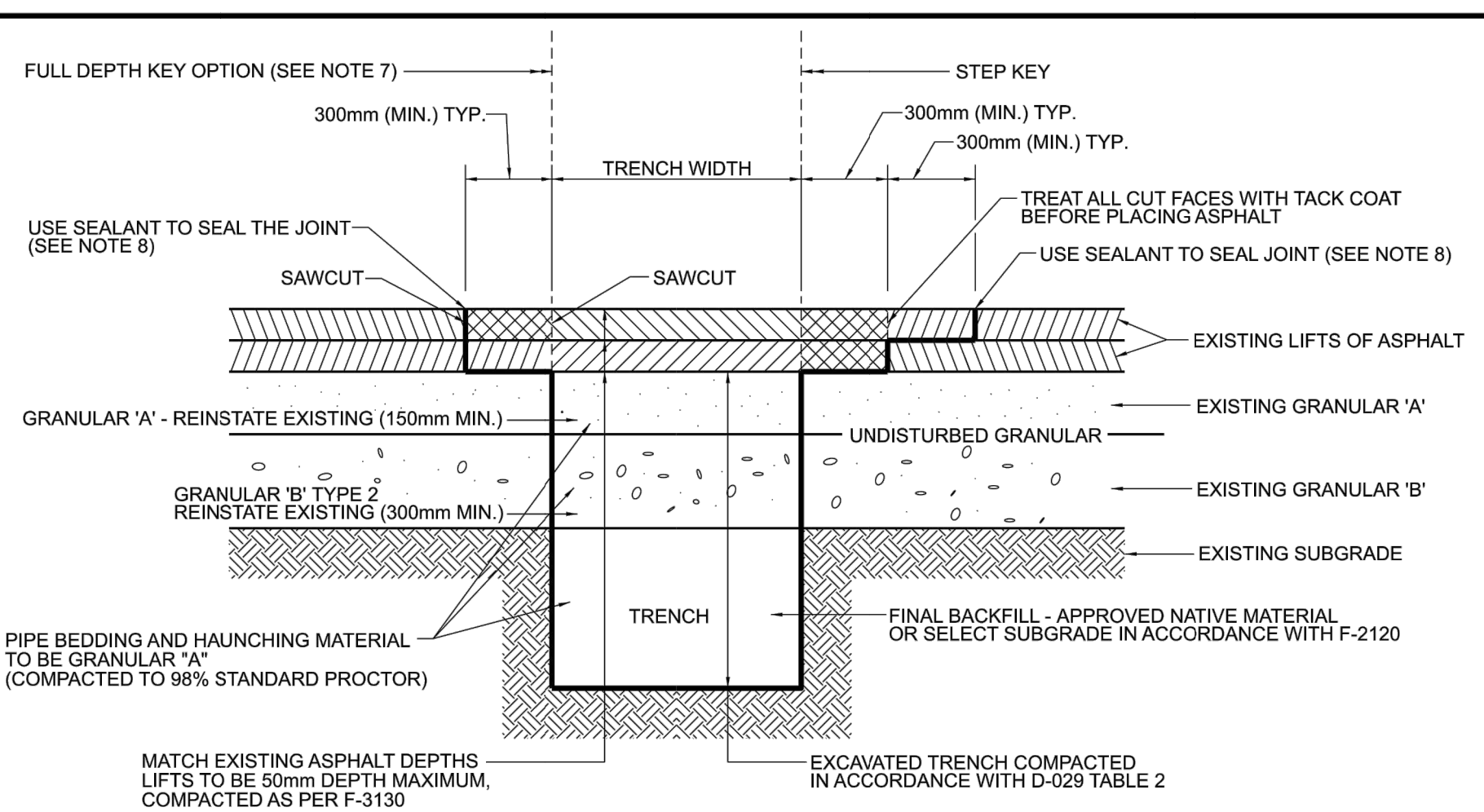


PROFILE

SECTION A - A

- NOTES:
1. TYPICAL MONOLITHIC CONCRETE CURB AND SIDEWALK AS PER SC2, EXCEPT USE 125mm CURB HEIGHT.
 2. DEPRESSIONS AT INTERSECTIONS AS PER SC6.
 3. FOR WIDER SIDEWALKS, PEDESTRIAN PLATFORM TO BE INCREASED ACCORDINGLY.
 4. NOT APPLICABLE FOR PROFILE GRADES OVER 5%.
 5. TAPERS TO BE 1.5m WHEN ON-STREET PARKING IS PERMITTED.
 6. WHERE VEHICLE ACCESS FOR ADJACENT PROPERTIES IS LESS THAN 3.0m APART, DO NOT APPLY TAPER; RAMP ACCESS IS CONTINUOUS - SEE SC13.1.

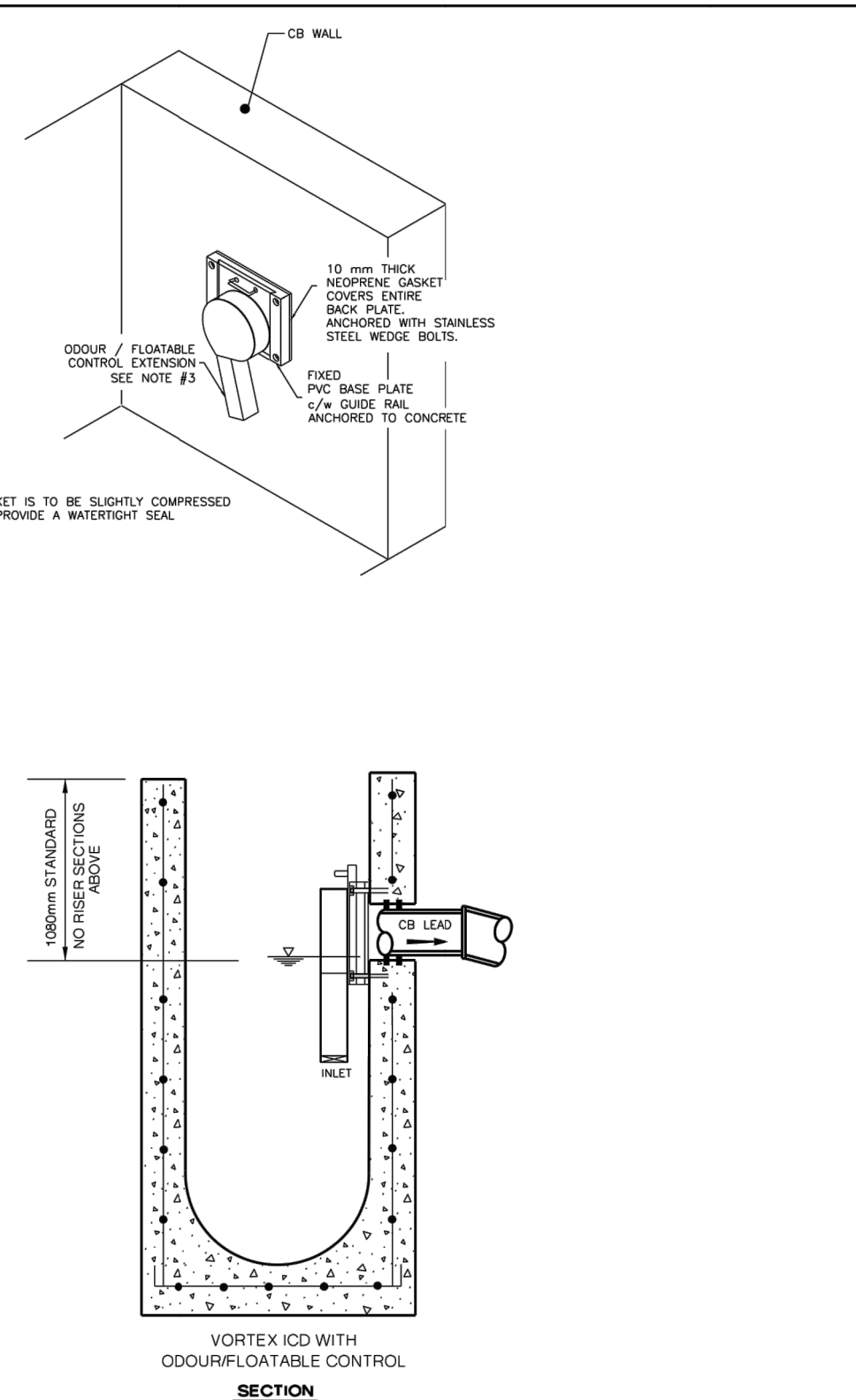
	RAMP STYLE VEHICLE ACCESS CROSSING	DATE: MARCH 2006 REV. DATE: MARCH 2015 DWG. No.: SC13
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- NOTES:
1. ALL EXISTING ASPHALT TO BE SAW CUT.
 2. UNLESS SPECIFIED ELSEWHERE, SURFACE COURSE ASPHALT SUPERPAVE 12.5mm AND BASE COURSE ASPHALT SUPERPAVE 19.0mm IS TO BE USED.
 3. UNLESS SPECIFIED ELSEWHERE, ASPHALT MIX SHALL BE LEVEL B (PG58-34) FOR NON-BUS LOCAL ROADS, AND LEVEL D (PG 64-34) FOR ALL OTHER ROADS.
 4. UNLESS SPECIFIED ELSEWHERE, WHERE EXISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, ASPHALT REINSTATEMENT SHALL BE 150mm AND GRANULAR 'A' FOR THE REMAINDER.
 5. UNLESS SPECIFIED ELSEWHERE, WHERE AN UNDERLYING LAYER OF CONCRETE PAVEMENT EXISTS, REINSTATEMENT SHALL CONSIST OF 150mm OF SUPERPAVE 19.0mm LEVEL B (PG58-34) COMPACTED IN LIFTS.
 6. UNLESS SPECIFIED ELSEWHERE, HOT MIX ASPHALT PLACEMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH F-3130.
 7. STEP KEY REINSTATEMENT TO BE IMPLEMENTED UNLESS FULL DEPTH KEY OPTION APPROVED BY THE CITY.
 8. ALL EDGES TO BE ROUTED AND SEALED WITH A BEAD OF HOT RUBBERIZED ASPHALT JOINT SEALING COMPOUND.

N.T.S.

	STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE	DATE: MAY 2001 REV. DATE: MARCH 2019 DWG. No.: R10
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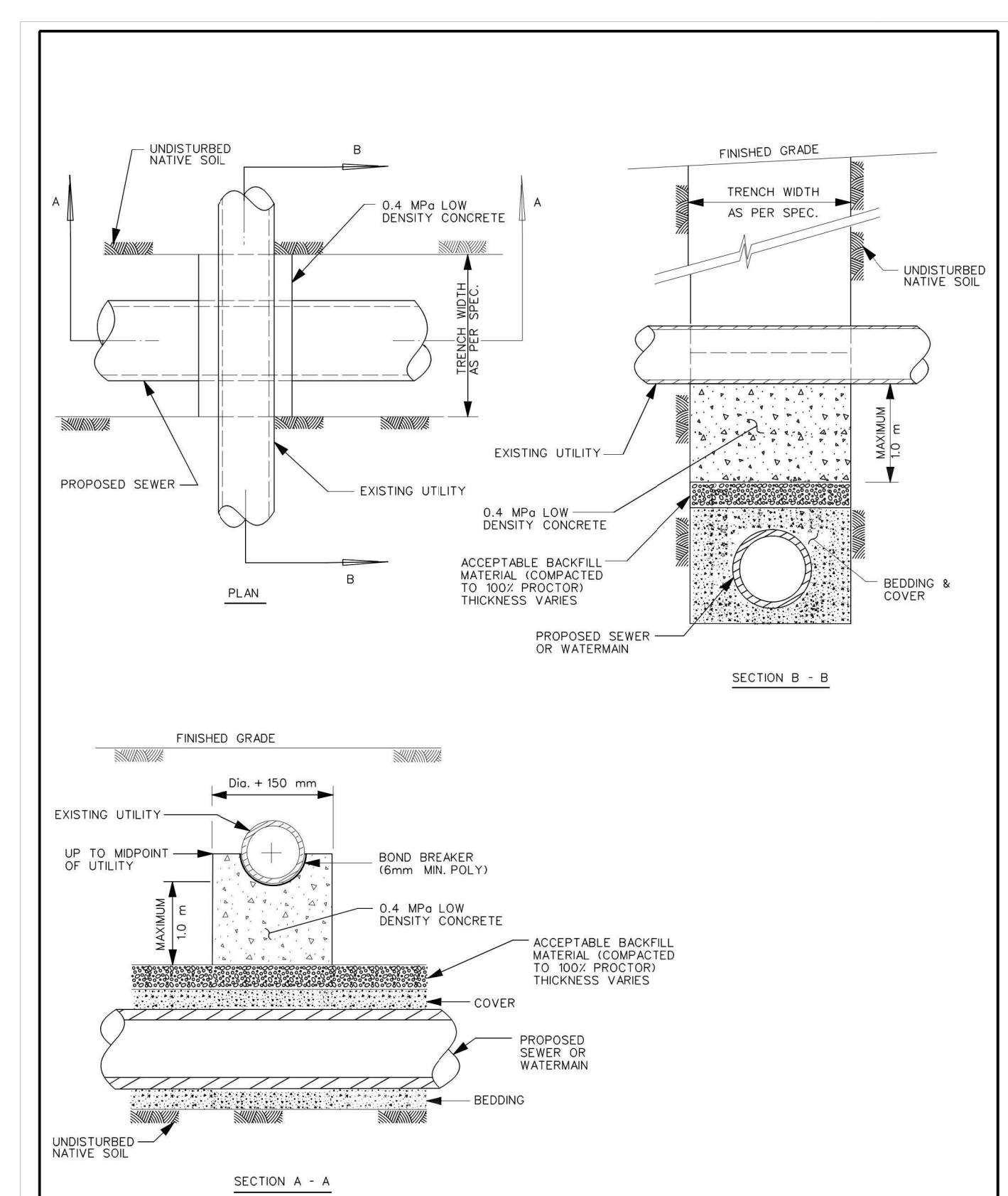
SECTION

SECTION A - A

- NOTES:
1. VORTEX ICD'S ARE USED TO RESTRICT FLOWS BELOW 15 L/S. THE LOWEST RESTRICTION ALLOWED TYPICALLY IS 8 L/S. PRODUCTS MAY SLIGHTLY DIFFER AS SHOWN ABOVE.
 2. CURVES ARE AVAILABLE FROM THE MANUFACTURER. SEE MS - 22-15 FOR APPROVED PRODUCTS.
 3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

N.T.S.

	VORTEX ICD INSTALLATION	DATE: MARCH 2008 REV. DATE: MARCH 2019 DWG. No.: S4.1
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SECTION A - A

	SUPPORT DETAIL FOR EXISTING UTILITY CROSSING SEWER OR WATERMAIN TRENCH	DATE: MAY 2001 REV. DATE: NONE DWG. No.: S10
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No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

STAMPS:

DESIGNED BY	APPROVED BY

ENGINEER:

CIMA+

CUSTOMER:

**The Hazelton
Westboro**

PROJECT NAME:

403 RICHMOND ROAD &
389 ROOSEVELT AVENUE

SHEET TITLE:

DETAILS PLAN

DISCIPLINE:

CIVIL

DRAFTER: S.C. POGGIOLI	SCALE:
DESIGNER: T. KENNEDY	DATE: 2022/04/07
APPROVER: T. KENNEDY	APPROVER: T. KENNEDY
PROJECT No.: A001046	DRAWING No.: C008

SEWER SERVICE ABANDONMENT BENEATH PAVEMENT

SECTION A - A
FABRICATED SEWER PLUG

LONG TYPE 316 STAINLESS STEEL BOLT AND WASHER
ROD COUPLER WITH WASHER
FLEXIBLE COUPLING
2 THICK PLASTIC DISC ATTACHED TO PLYWOOD WITH 3 #8X32 LONG STAINLESS STEEL SCREWS
19 WIDE STAINLESS STEEL HOSE CLAMP
2 THICK PLASTIC DISC ATTACHED TO PLYWOOD WITH 3 #8X32 LONG STAINLESS STEEL SCREWS
19 WIDE STAINLESS STEEL HOSE CLAMP
3 #8X25 LONG SS SCREWS
3 #8X32 LONG SS SCREWS

NOTES:
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SHOWN.

N.T.S.

Ottawa SEWER SERVICE ABANDONMENT BENEATH PAVEMENT DATE: MARCH 2011
REV. DATE: MARCH 2011
DWG. No.: S11.4

FOUNDATION DRAIN BACKWATER VALVE INSTALLATION

SECTION A-A

NOTES:
1. BACKWATER VALVE, CLEAN-OUTS AND ANY OTHER FITTINGS MUST BE INSTALLED A MINIMUM OF 300mm INSIDE OF THE BASEMENT FOOTING. THIS IS TO ENSURE THERE IS SUFFICIENT ROOM TO REPLACE THESE COMPONENTS IN THE FUTURE WITHOUT HAVING TO DAMAGE THE FOOTING/WALL DURING THE PROCESS.
2. JOINTS BETWEEN THE SLEEVE AND THE BACKWATER VALVE AND THE FLOOR SHALL BE WATERTIGHT.

N.T.S.

Ottawa FOUNDATION DRAIN BACKWATER VALVE INSTALLATION DATE: DEC. 2002
REV. DATE: MARCH 2011
DWG. No.: S14

SANITARY BACKWATER VALVE INSTALLATION TYPE 1

SECTION A-A

NOTES:
1. BACKWATER VALVE, CLEAN-OUTS AND ANY OTHER FITTINGS MUST BE INSTALLED A MINIMUM OF 300mm INSIDE OF THE BASEMENT FOOTING. THIS IS TO ENSURE THERE IS SUFFICIENT ROOM TO REPLACE THESE COMPONENTS IN THE FUTURE WITHOUT HAVING TO DAMAGE THE FOOTING/WALL DURING THE PROCESS.
2. JOINTS BETWEEN THE ACCESS BOX SECTIONS AND THE ACCESS BOX AND THE BACKWATER VALVE AND THE FLOOR SLAB SHALL BE SEALED.

N.T.S.

Ottawa SANITARY BACKWATER VALVE INSTALLATION TYPE 1 DATE: MARCH 2010
REV. DATE: MARCH 2011
DWG. No.: S14.1

PERFORATED PIPE INSTALLATION FOR REAR YARD AND LANDSCAPING APPLICATIONS

NOTES:
1. SIDE SLOPE OF SWALE - MIN. 1.5%, MAX. 3:1.
2. LONGITUDINAL SLOPE OF SWALE WITHOUT PERFORATED PIPE 1.5% MIN.
3. LONGITUDINAL SLOPE OF SWALE WITH PERFORATED PIPE 0.5% MIN. WITH 1% OR GREATER PREFERRED.
4. UNDER DRIVEWAYS NON PERFORATED PIPE TO BE USED WITH 75mm BEDDING AND BACKFILLED WITH APPROVED NATIVE MATERIAL.
5. CB 'T' TO BE SPACED ABOUT EVERY 20 TO 25m AND LOCATED 1m OFF REAR YARD AND SIDE YARD PROPERTY LINES.
6. CB ELBOW TO BE AT UPPER ENDS OF PERFORATED PIPE AND LOCATED 1m OFF REAR YARD AND SIDE YARD PROPERTY LINES.
7. GEOTEXTILE SHALL BE APPROVED NON-WOVEN CLASS 1 OR AS SPECIFIED.
8. MAXIMUM REAR YARD WATER DEPTH IS 300mm.
9. A STANDARD CATCHBASIN NO DEEPER THAN 2.4m OR A CATCHBASIN MAINTENANCE HOLE. STANDARD FRAMES C/W PERFORATED OR SOLID COVER AS SPECIFIED. STANDARD SIZES AS SPECIFIED.

N.T.S.

Ottawa PERFORATED PIPE INSTALLATION FOR REAR YARD AND LANDSCAPING APPLICATIONS DATE: MARCH 2007
REV. DATE: MARCH 2019
DWG. No.: S29

CATCH BASIN 'T' FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS

PIPE DIAMETER (INSIDE)

SEWER	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MAX. 5m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE 'T' HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER RECOMMENDED CONNECTION SLEEVE.
4. CAST IRON FRAME TO BE SECURED TO PIPE WITH 2 LAG BOLTS AS SHOWN.

N.T.S.

Ottawa CATCH BASIN 'T' FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS DATE: MARCH 2007
REV. DATE: MARCH 2021
DWG. No.: S30

CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE TEE

PLAN

SECTION A-A

SEWER ID	DROP PIPE ID	APPLICATION
200	200	Storm and Sanitary
250	200	Storm and Sanitary
300	250	Storm and Sanitary
375	300	Storm and Sanitary
450	375	Storm
525	450	Storm
600	525	Storm
675	600	Storm

NOTES:
1. Concrete shall be placed to undisturbed ground and the outside face of the maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe.
2. Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.
A. All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2016 Rev 3

CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE TEE

OPSD 1003.010

3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

No. Date Description By

DESIGNED BY: J. C. ADAMS
APPROVED BY: T. G. KENNEDY

CIMA+

The Hazelton Westboro

PROJECT NAME: 403 RICHMOND ROAD & 389 ROOSEVELT AVENUE

SHEET TITLE: DETAILS PLAN

DISCIPLINE: CIVIL

DRAWN BY: S.C. POGGIOLI
DESIGNER: T. KENNEDY
APPROVER: T. KENNEDY

SCALE: 1:1
DATE: 2022/04/07

PROJECT No.: A001046
DRAWING No.: C009

9 of 12

SEWER ID	DROP PIPE ID
200	200
250	200
300	250
375	300

NOTES:
 1 Concrete shall be placed to undisturbed ground and the outside face of the maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe.
 2 Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2016 Rev 3
CAST-IN-PLACE MAINTENANCE HOLE DROP STRUCTURE WYE
 OPSD 1003.020

NOTES:
 A This OPSD shall be read in conjunction with OPSD 610.010 and 610.020.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 3
CAST IRON, SQUARE FRAME WITH SQUARE FLAT GRATE FOR CATCH BASINS, HERRING BONE OPENINGS
 OPSD 400.020

NOTES:
 A Covers shall be Type A or Type B, as specified.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2018 Rev 4
CAST IRON, SQUARE FRAME WITH CIRCULAR CLOSED OR OPEN COVER FOR MAINTENANCE HOLES
 OPSD 401.010

NOTES:
 1 The sump is measured from the lowest invert.
 A Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
 B Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
 C Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
 D Pipe support according to OPSD 708.020.
 E For benching and pipe opening details, see OPSD 701.021.
 F For adjustment unit and frame installation, see OPSD 704.010.
 G All dimensions are nominal.
 H All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5
PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER
 OPSD 701.010

Maintenance Hole Diameter	No. 1-4			No. 5 and 6		No. 8		No. 7	
	No. 1	No. 2	No. 3	No. 5	No. 6	Inlet Hole	Outlet Hole	No. 7	No. 7
1200	700	860	780	700	860	700	860	1170	1170
1500	860	1220	960	860	960	860	960	1485	1485
1800	1220	1485	1220	1220	1485	1220	1485	2020	2020
2400	1485	2020	1760	1485	2020	1485	2020	2470	2470
3000	1930	2450	2300	1930	2450	1930	2450	3085	3085
3600	2470	3085	2730	2470	3085	2470	3085		

NOTES:
 1 Slopes shall be maintained from the outlet hole opening for top of benching.
 A Concrete for benching shall be 30MPa.
 B When benching is hand-finished, it shall be given wood float finish, channel shall be given steel trowel finish.
 C Benching slope and height shall be as specified.
 D When specified, maintenance holes that are 1200mm in diameter with a uniform channel for 200 or 250mm pipe may be pre-benched at the manufacturer with standardized benching slope and channel orientation.
 E All dimensions are nominal.
 F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 4
MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES
 OPSD 701.021

NOTES:
 1 If first step is in an adjustment unit, the adjustment unit shall be of the type manufactured with a step in place.
 2 Centre reinforcing in adjustment unit ± 10mm.
 3 Round and square adjustment units are available in sizes of 50, 75, 100, 150, and 300mm.
 A Adjustment units shall not extend beyond the outside edge of the structure.
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
PRECAST CONCRETE ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS
 OPSD 704.010

No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY: J.C. ADAMS
 APPROVED BY: T.G. KENNEDY

LICENSED PROFESSIONAL ENGINEER
 J.C. ADAMS
 100519478
 7 November 2022
 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER
 T.G. KENNEDY
 100173201
 November 7, 2022
 PROVINCE OF ONTARIO

ENGINEER: **CIMA+**

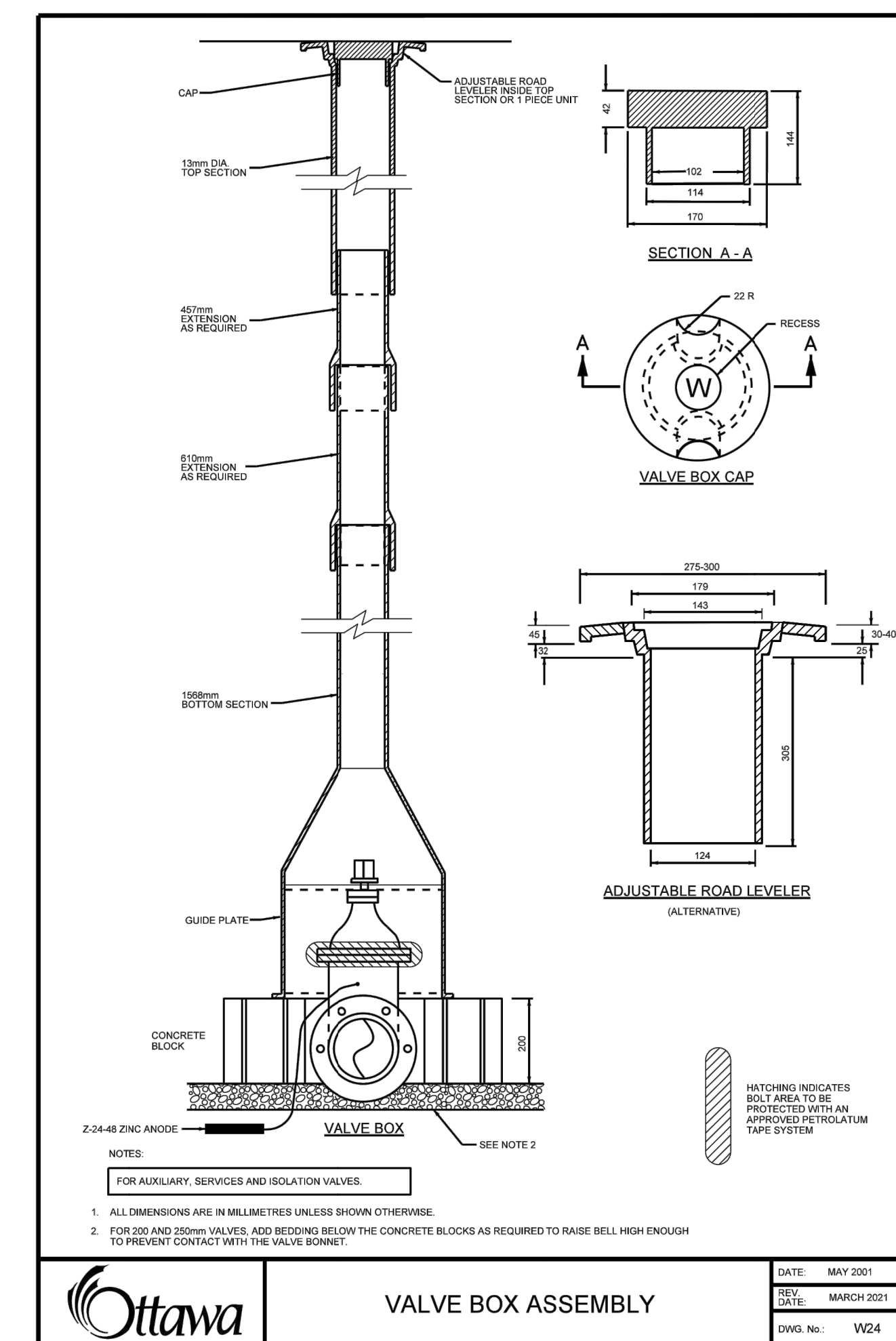
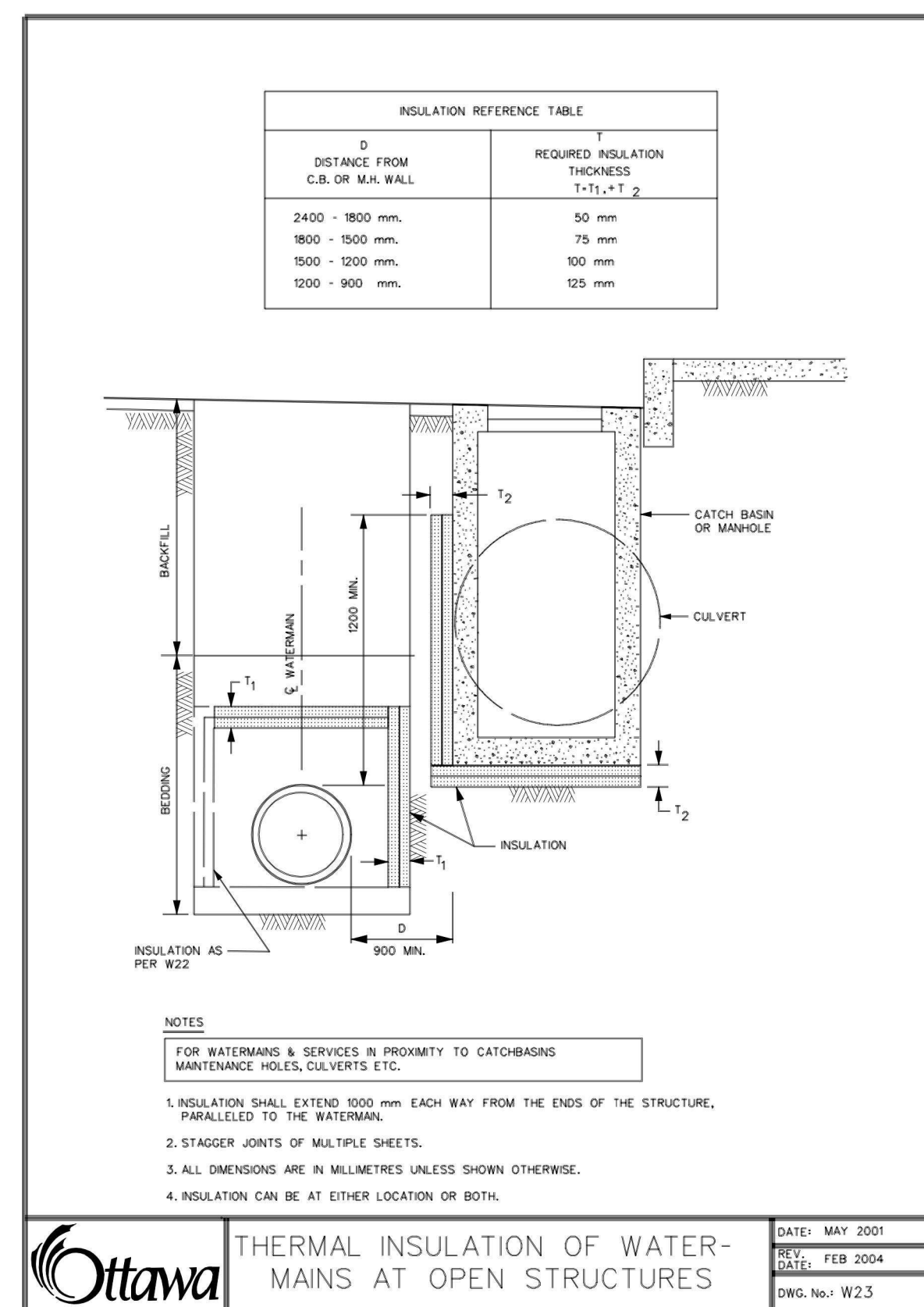
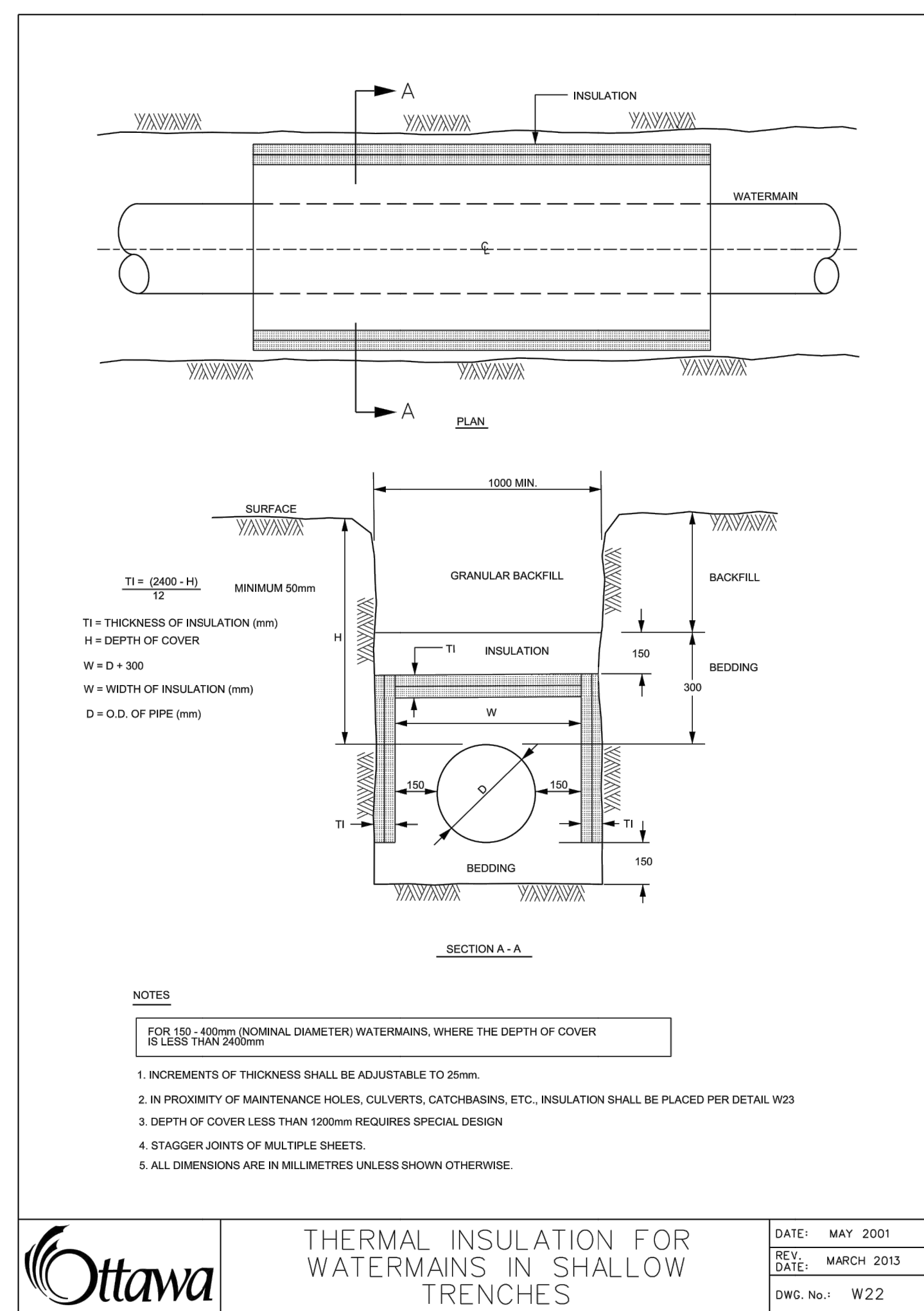
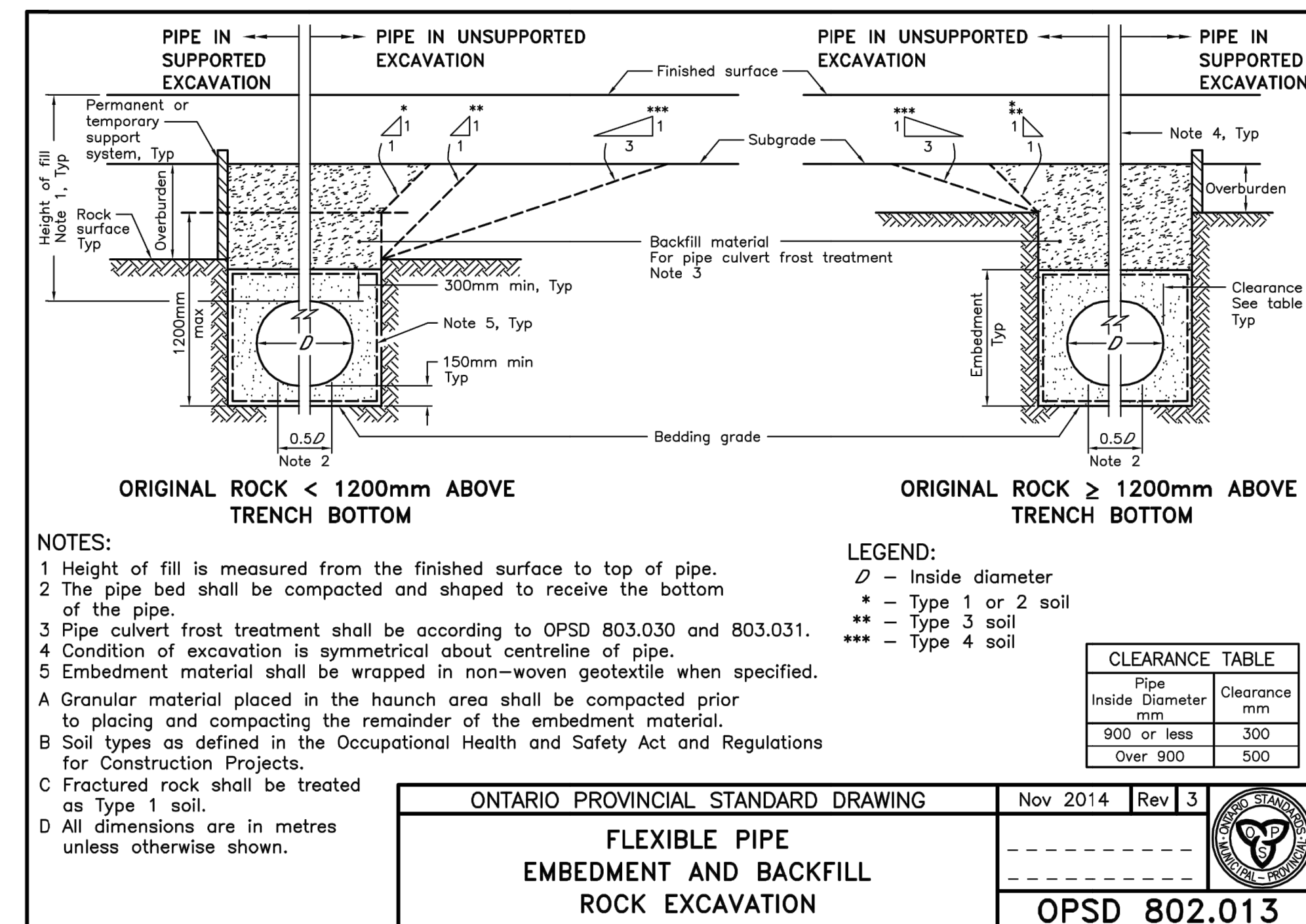
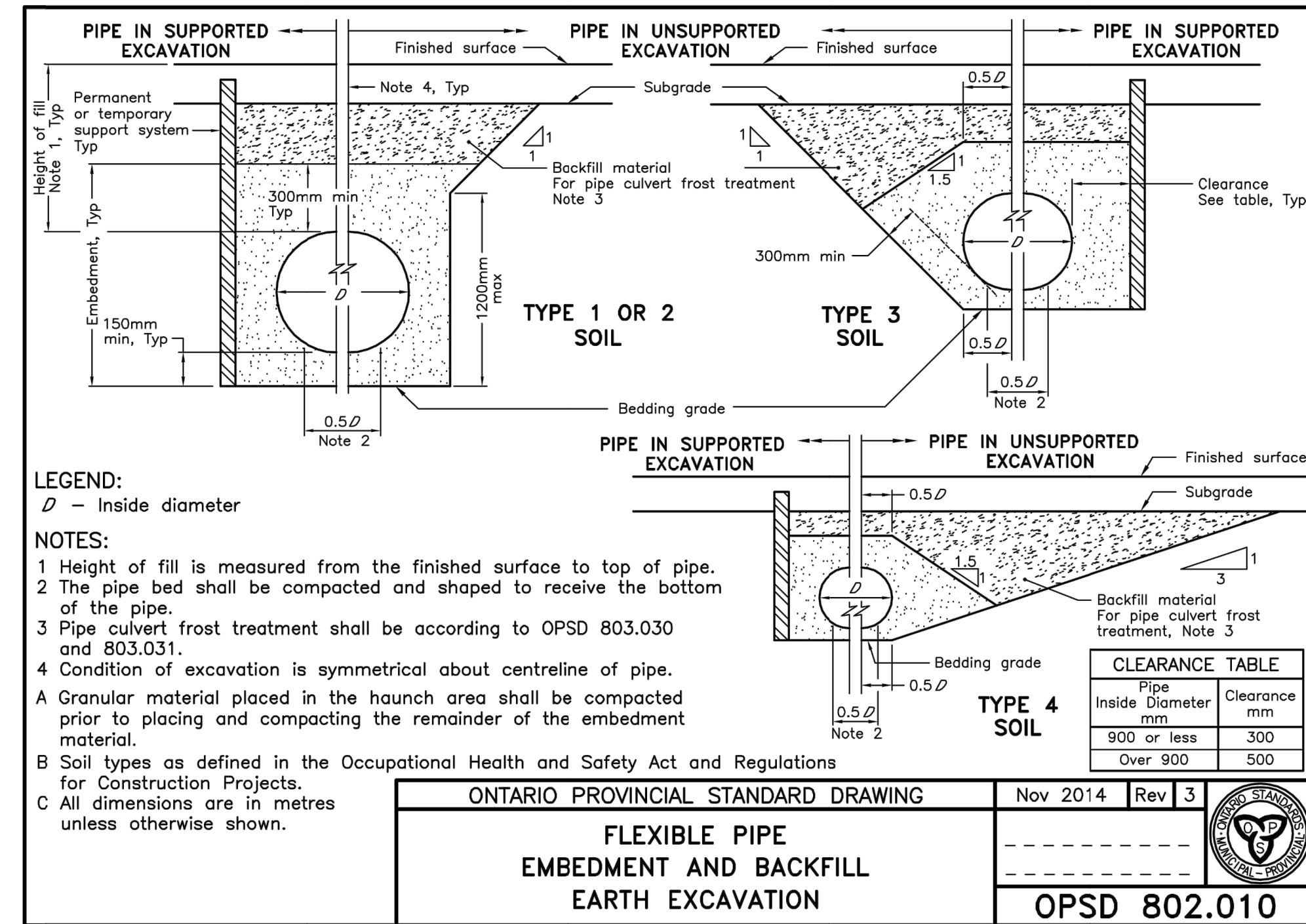
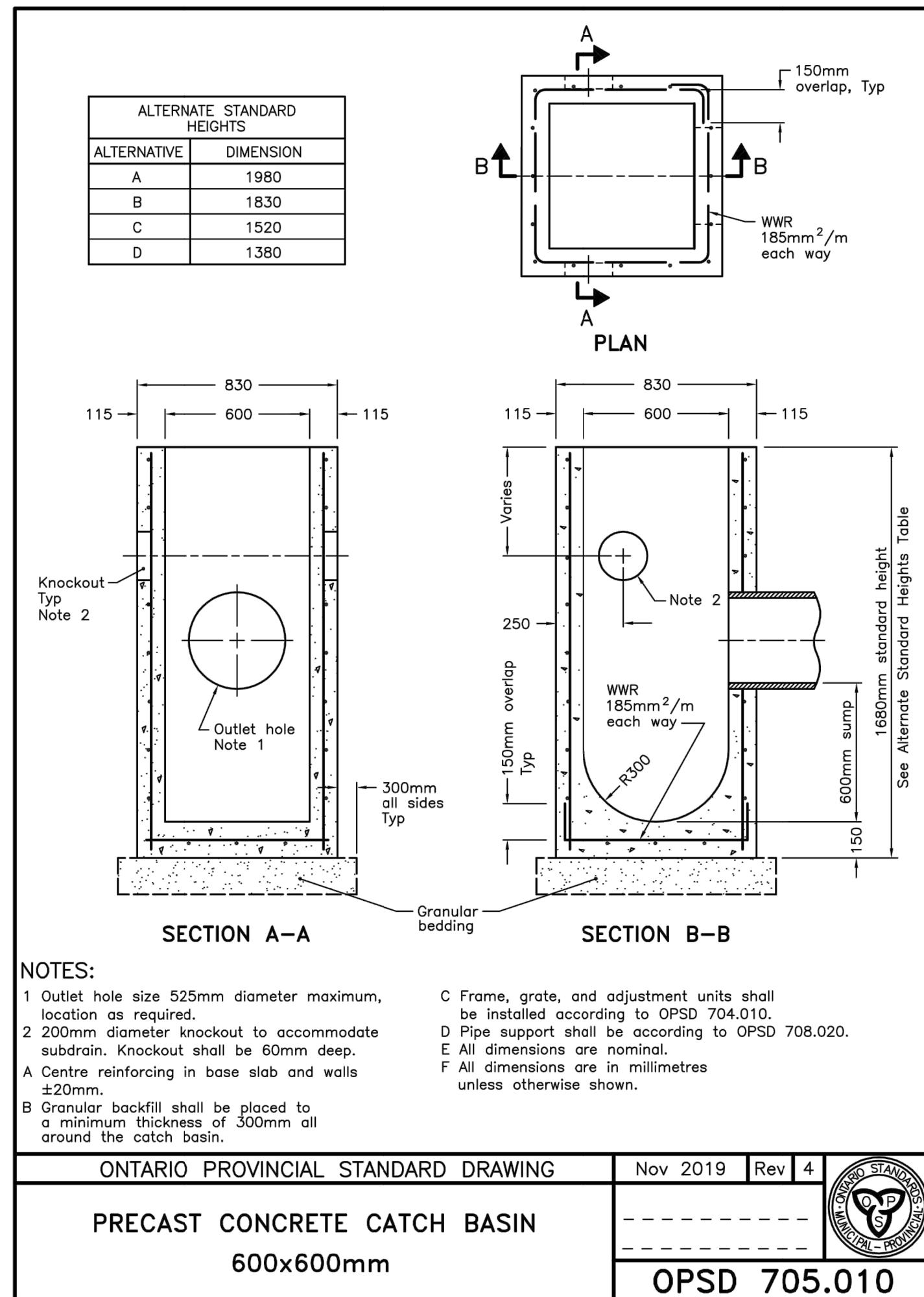
CLIENT: **The Hazelton Westboro**

PROJECT NAME: **403 RICHMOND ROAD & 389 ROOSEVELT AVENUE**

SHEET TITLE: **DETAILS PLAN**

DISCIPLINE: **CIVIL**

DESIGNER	DATE
T. KENNEDY	2022/04/07
T. KENNEDY	T. KENNEDY
PROJECT No. A001046	DRAWING No. C010
SHEET No. 10 of 12	



No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY: J. C. ADAMS
APPROVED BY: T. G. KENNEDY

7 November 2022
November 7, 2022

CIMA+

The Hazelton Westboro

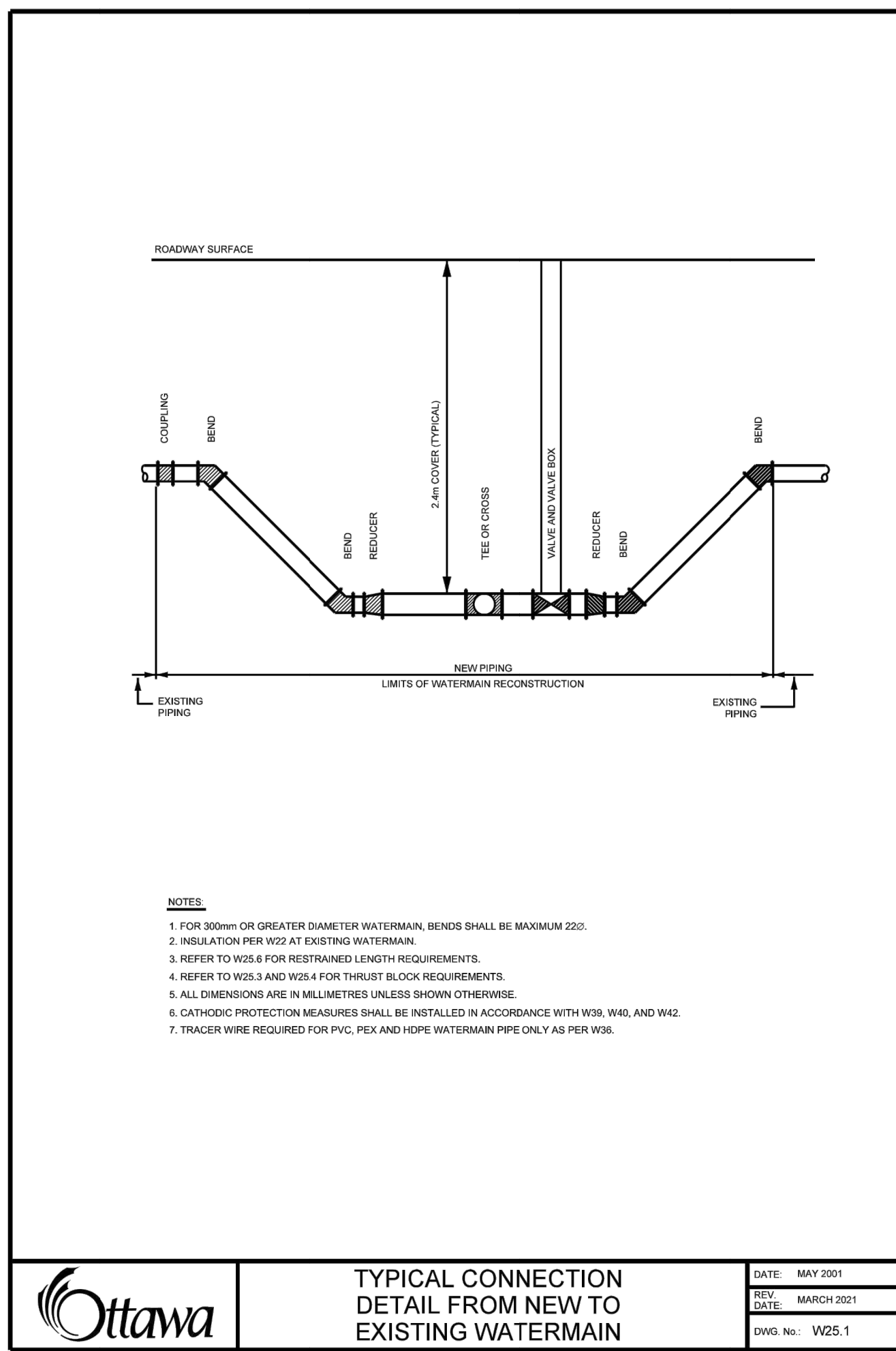
403 RICHMOND ROAD &
389 ROOSEVELT AVENUE

DETAILS PLAN

CIVIL

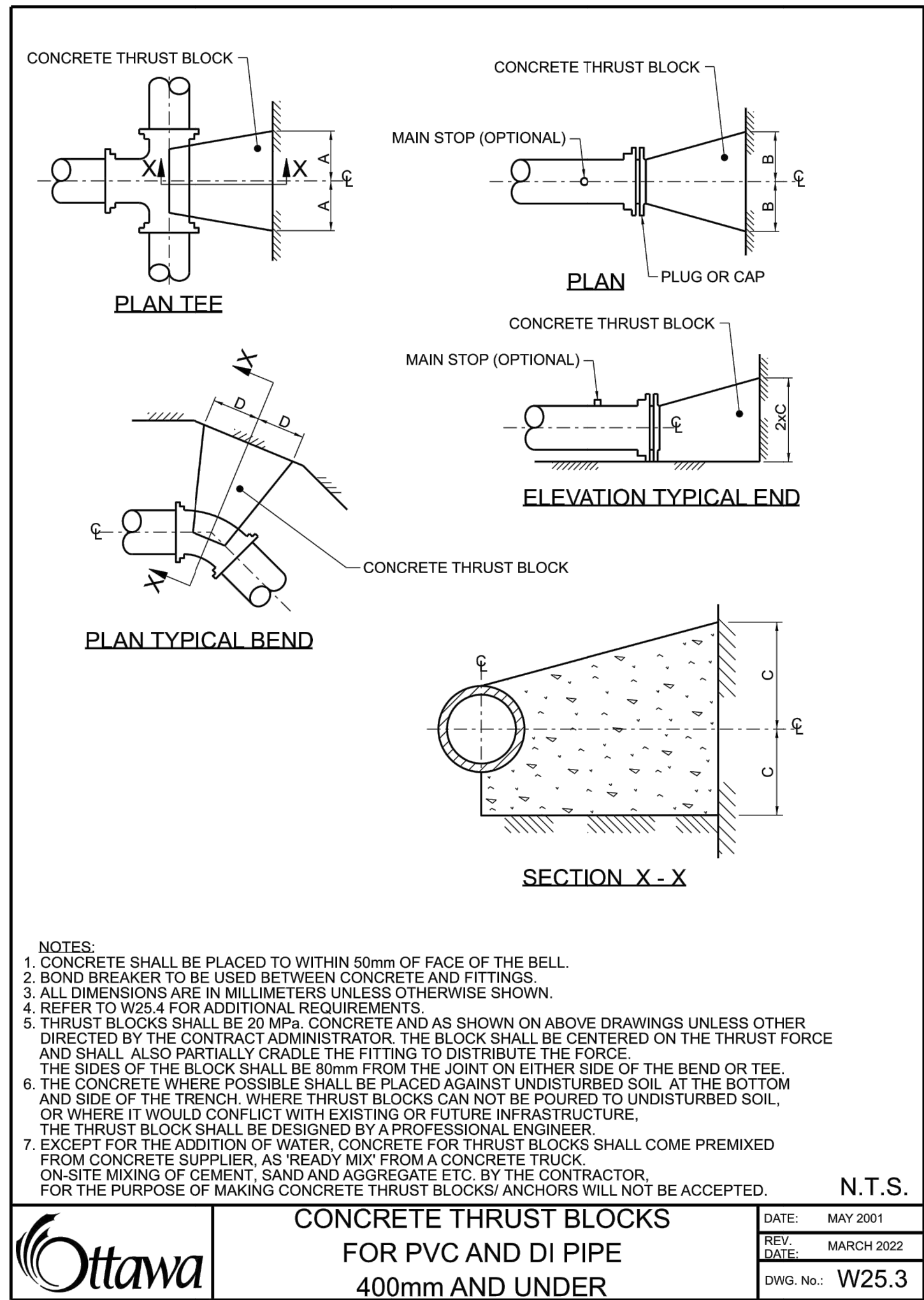
DESIGNER	DATE
T. KENNEDY	2022/04/07
T. KENNEDY	APPROVER
T. KENNEDY	APPROVER

11 of 12



Ottawa TYPICAL CONNECTION DETAIL FROM NEW TO EXISTING WATERMAIN

DATE: MAY 2001
REV. DATE: MARCH 2021
DWG. No.: W25.1



Ottawa CONCRETE THRUST BLOCKS FOR PVC AND DI PIPE 400mm AND UNDER

DATE: MAY 2001
REV. DATE: MARCH 2022
DWG. No.: W25.3

THRUST BLOCK DIMENSION TABLES FOR PVC AND DI PIPE 400mm AND UNDER

DATE: MAY 2001
REV. DATE: MARCH 2011
DWG. No.: W25.4

1. SOIL DESCRIPTION: VERY FINE SANDS, SANDY CLAYS, CLAYS
SOILS WITH TYPICAL BEARING STRENGTH OF 100 TO 199 KPa

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	250	250	200	200
152	400	400	250	300
203	550	550	300	450
254	650	650	400	500
305	800	800	450	650
406	1050	1050	600	850

2. SOIL DESCRIPTION: SILTY SAND GRAVELS OR CLAYEY SAND GRAVEL MIXTURES, MODERATE AMOUNT OF FINES.
SOILS WITH TYPICAL BEARING STRENGTH OF 200 TO 299 KPa

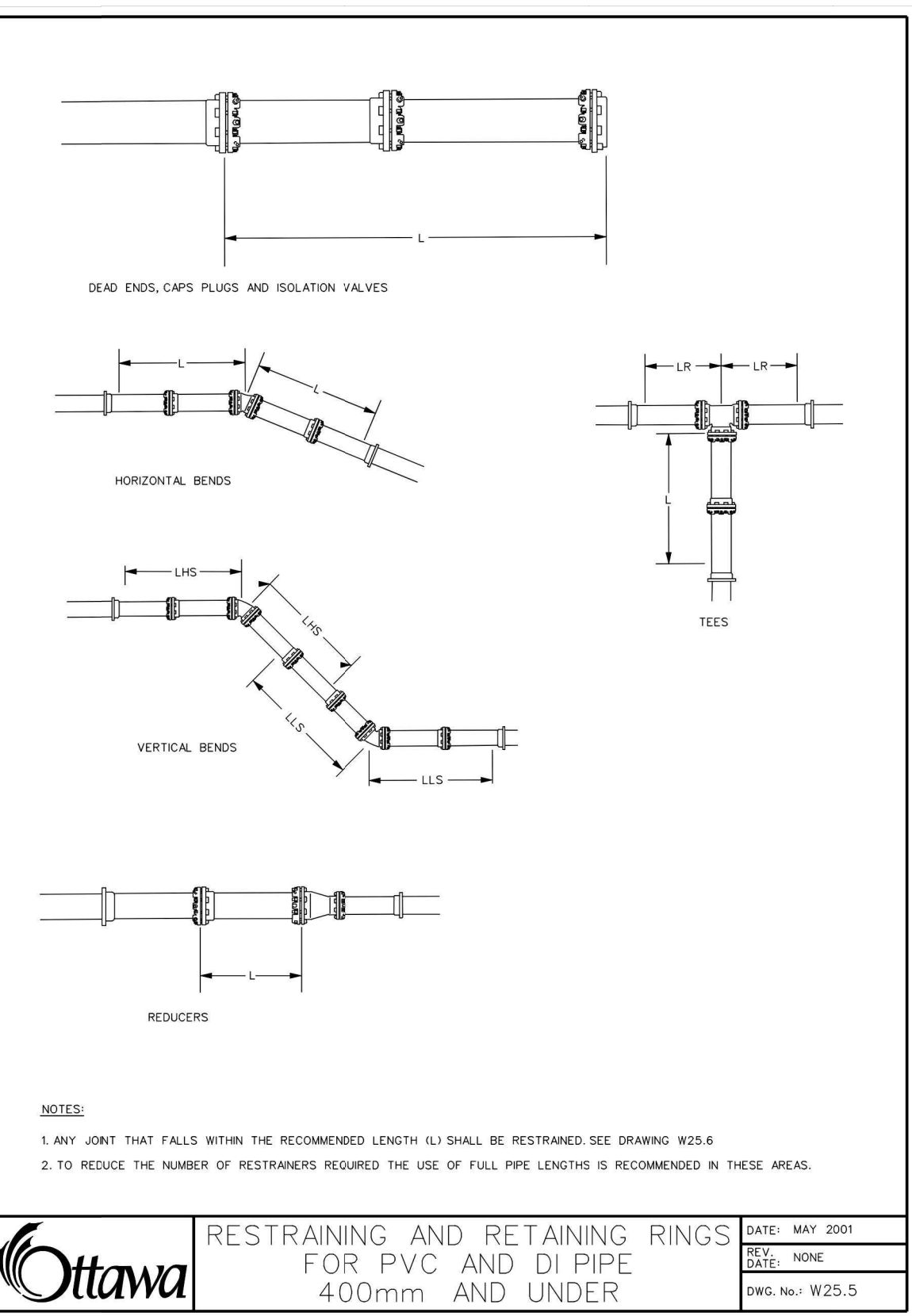
PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	200	200	150	150
152	250	250	200	200
203	350	350	250	270
254	450	450	300	350
305	500	500	350	400
406	750	750	400	600

3. SOIL DESCRIPTION: SANDS, GRAVELS AND GRAVEL-SAND MIXTURES.
SOILS WITH TYPICAL BEARING STRENGTH OF 300 KPa AND OVER

PIPE DIAMETER	DIMENSION NOTED ON W25.3			
	A	B	C	D
102	150	150	150	150
152	200	200	200	200
203	300	300	200	230
254	400	400	250	270
305	450	450	300	300
406	650	650	350	450

NOTES:

- THE ABOVE THRUST BLOCK DIMENSIONS MEET OR EXCEED THE WATERMAIN DESIGN CRITERIA FOR FUTURE ALTERATIONS AUTHORIZED UNDER A DRINKING WATER WORKS PERMIT.
- THE ASSUMPTIONS MADE FOR THE ABOVE CALCULATIONS ARE AS FOLLOWS:
 - a) MAXIMUM OPERATING PRESSURE OF 100 psi
 - b) MAXIMUM SURGE PRESSURE WITH A FLOW VELOCITY CHANGE OF 0.6 m/s OF 115 psi (115 psi) FOR CLASS 52 DI AND FOR PVC MAX. SURGE IS 35 psi
- THE TABLES APPLY TO BOTH DUCTILE IRON AND PVC. WHERE ONE LENGTH EXCEEDED THE OTHER THE LONGER LENGTH WAS USED.
- DIMENSIONS MAY BE ADJUSTED SO LONG AS THE BEARING SURFACE AREA OF THE THRUST BLOCK IS NOT REDUCED.
- TO BE USED IN CONJUNCTION WITH W25.3.



Ottawa RESTRAINING AND RETAINING RINGS FOR PVC AND DI PIPE 400mm AND UNDER

DATE: MAY 2001
REV. DATE: NONE
DWG. No.: W25.5

TABLE OF RESTRAINED LENGTHS FOR DI AND PVC WATERMAIN PIPE IN STANDARD GRANULAR 'A' EMBEDMENT IN SOILS OF BEARING CAPACITY OF 100 KPa AND OVER

REDUCERS	LARGER DIAMETER SIDE (TO BE RESTRAINED)					
	100mm	150mm	200mm	250mm	300mm	400mm
100mm	N/A	3	6	8	10	14
150mm	N/A	N/A	4	6	9	13
200mm	N/A	N/A	N/A	3	6	11
250mm	N/A	N/A	N/A	N/A	4	9
300mm	N/A	N/A	N/A	N/A	N/A	7
400mm	N/A	N/A	N/A	N/A	N/A	N/A

PIPE DIAMETER	PIPE DIAMETER					
	100mm	150mm	200mm	250mm	300mm	400mm
DEAD ENDS, CAPS, PLUGS, VALVES	5	6	9	10	12	16

VERTICAL BENDS	PIPE DIAMETER					
	100mm	150mm	200mm	250mm	300mm	400mm
LENGTH HIGH SIDE - LHS	3	4	5	6	7	9
LENGTH LOW SIDE - LLS	1.5	2	2.5	3	3.5	4.5

TEES	PIPE DIAMETER					
	100mm	150mm	200mm	250mm	300mm	400mm
LENGTH ALONG THE BRANCH - L	1	1	1	1	1	1
LENGTH ALONG THE RUN - Lr	3	3	3	3	3	3

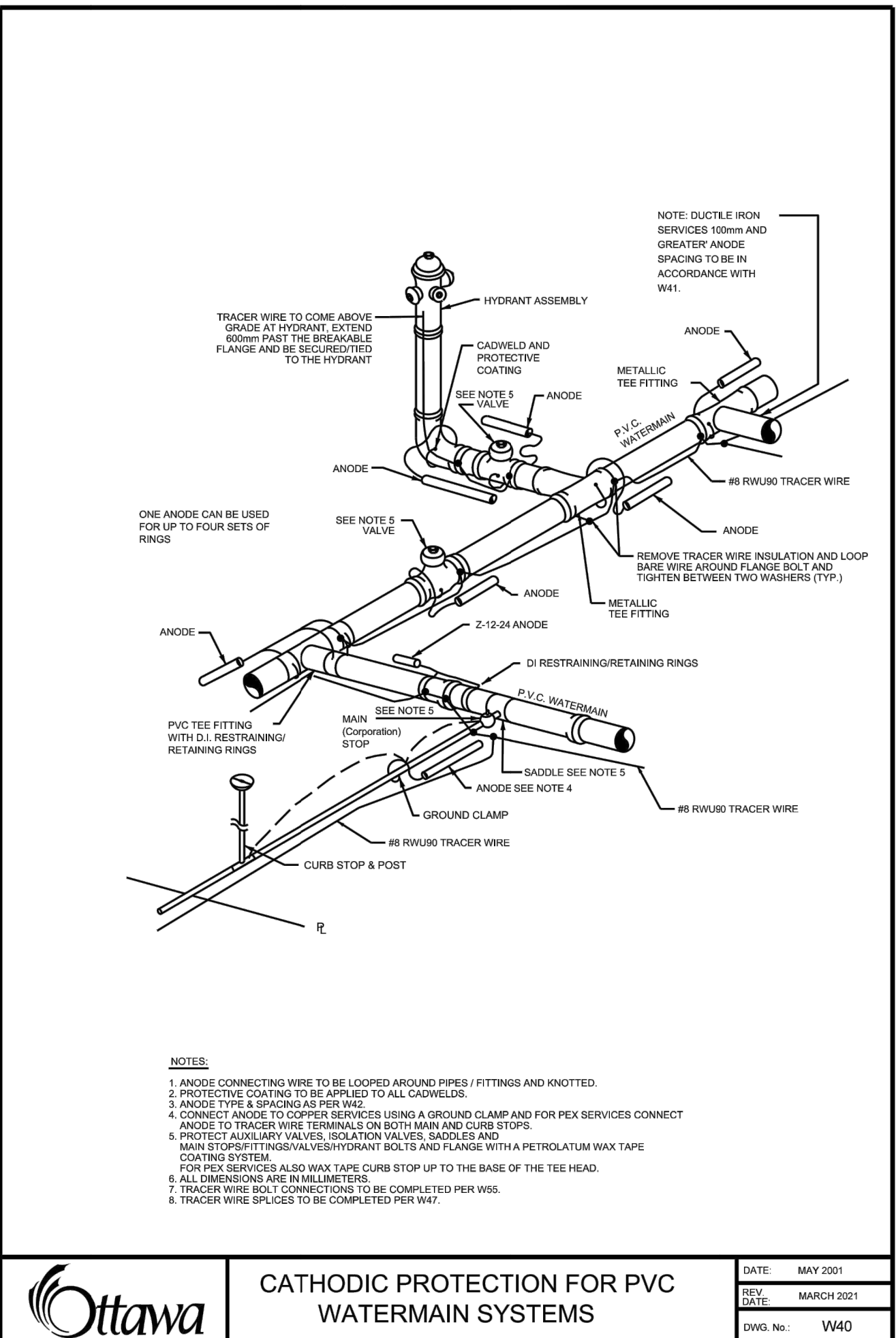
HORIZONTAL BENDS	PIPE DIAMETER					
	100mm	150mm	200mm	250mm	300mm	400mm
11.25, 22.5, AND 45 DEGREE BENDS	1	1.5	1.5	2	2	2.5

NOTES:

- THE ABOVE RESTRAINED LENGTHS MEET OR EXCEED THE WATERMAIN DESIGN CRITERIA FOR FUTURE ALTERATIONS AUTHORIZED UNDER A DRINKING WATER WORKS PERMIT.
- THE ASSUMPTIONS MADE FOR THE ABOVE CALCULATIONS ARE AS FOLLOWS:
 - a) MAXIMUM OPERATING PRESSURE OF 100 psi
 - b) MAXIMUM SURGE PRESSURE WITH A FLOW VELOCITY CHANGE OF 0.6 m/s OF 115 psi (115 psi) FOR CLASS 52 DI AND FOR PVC MAX. SURGE IS 35 psi
- FOR SOFTWARE CALCULATIONS A TEST PRESSURE OF 50 psi AND A SAFETY FACTOR OF 1.5 WAS USED WHICH RESULTS IN 225 psi MAXIMUM PRESSURE.
- TYPE 5 TRENCH BEDDING.
- DEPTH TO BURY 2.4 METRES EXCEPT FOR VERTICAL BENDS WHERE THE HIGH SIDE IS AT 1.8 METRES.
- EMBEDMENT MATERIAL GRANULAR 'A' WITH CHARACTERISTICS OF ASTM D2457 GP.
- GP SOILS ARE DESCRIBED AS POORLY GRADED GRAVEL AND SAND-GRAVEL MIXES WITH LITTLE OR NO FINES.
- (L) MUST BE OF SOLID PIPE WITHOUT JOINTS, FITTINGS, ETC.
- THE TABLES APPLY TO BOTH DUCTILE IRON AND PVC. WHERE ONE LENGTH EXCEEDED THE OTHER THE LONGER LENGTH WAS USED.
- RESTRAINED LENGTHS ARE IN METRES.

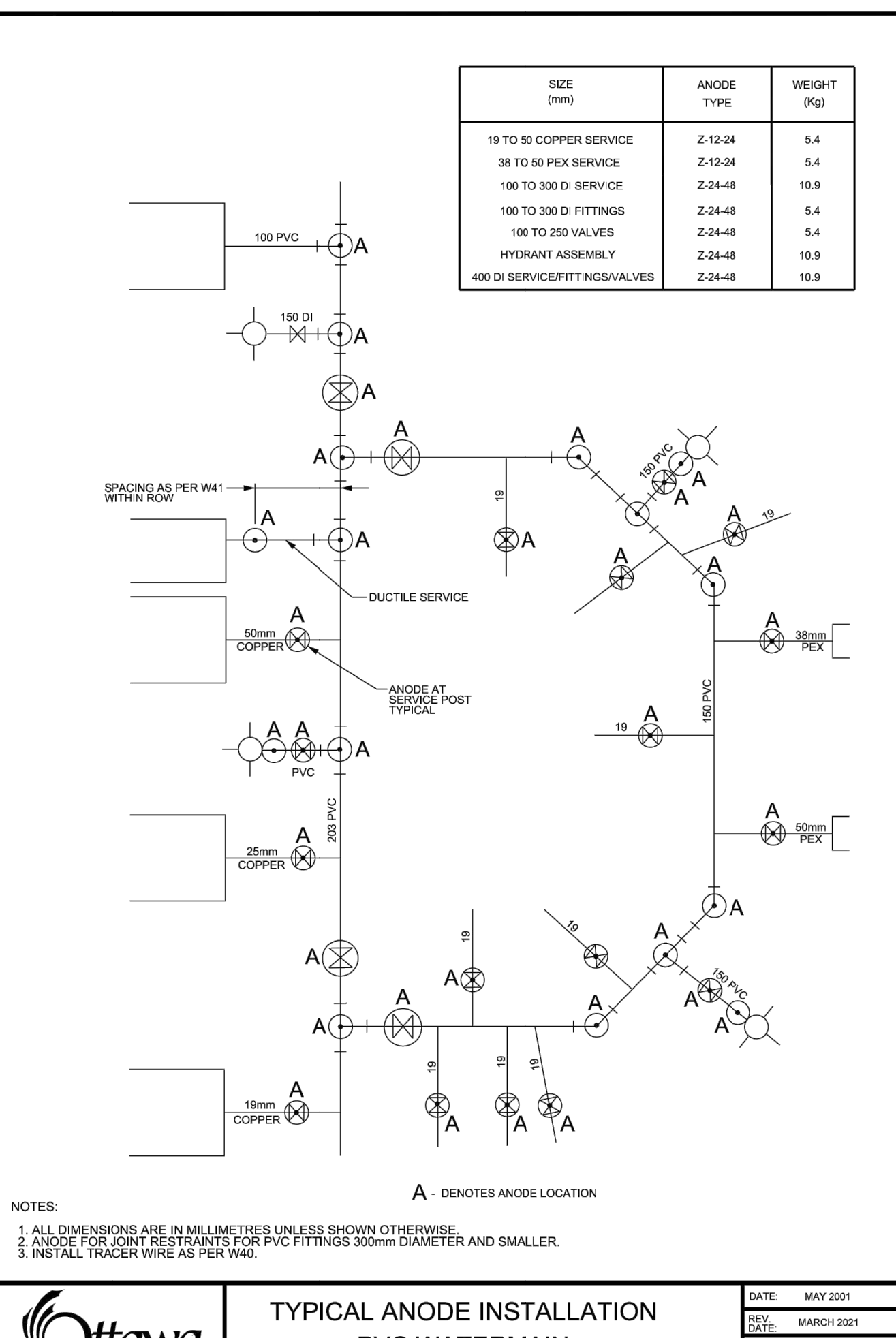
Ottawa TABLES OF RESTRAINED LENGTHS FOR PVC AND DI PIPE 400mm AND UNDER

DATE: MAY 2001
REV. DATE: MARCH 2021
DWG. No.: W25.6



Ottawa CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS

DATE: MAY 2001
REV. DATE: MARCH 2021
DWG. No.: W40



Ottawa TYPICAL ANODE INSTALLATION PVC WATERMAIN

DATE: MAY 2001
REV. DATE: MARCH 2021
DWG. No.: W42

No.	Date	Description	By
3	22/11/07	RE-ISSUED FOR SITE PLAN CONTROL	T.K
2	22/10/14	RE-ISSUED FOR SITE PLAN CONTROL	T.K
1	22/04/07	ISSUED FOR SITE PLAN CONTROL	T.K

DESIGNED BY: **J. C. ADAMS** (PROVINCIAL ENGINEER, 100519478, 7 November 2022)

APPROVED BY: **T. G. KENNEDY** (PROVINCIAL ENGINEER, 100173201, November 7, 2021)

CIMA+

CLIENT: **The Hazelton Westboro**

PROJECT NAME: **403 RICHMOND ROAD & 389 ROOSEVELT AVENUE**

SHEET TITLE: **DETAILS PLAN**

DISCIPLINE: **CIVIL**

DRAWER: S.C. POGGIOLI | SCALE:

DESIGNER: T. KENNEDY | DATE: 2022/04/07

APPROVER: T. KENNEDY | APPROVED: T. KENNEDY

PROJECT No.: A001046 | DRAWING No.: C012

SHEET No.: 12 of 12