

CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND
OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS
NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE
ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT
GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL
INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND
STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

SOUTH STREET RE-CONSTRUCTION

THE MUNICIPALITY OF WEST GREY

CONTRACT NO. 25-10129-00

MAYOR : MR. KEVIN ECCLES
 CAO / DEPUTY CLERK : MS. LAURA JOHNSTON
 DIRECTOR OF INFRASTRUCTURE & PUBLIC WORKS : MR. GEOFF AITKEN
 DIRECTOR OF DEVELOPMENT/CBO : MR. KARL SCHIPPRACK

OWNER :
 THE MUNICIPALITY OF WEST GREY

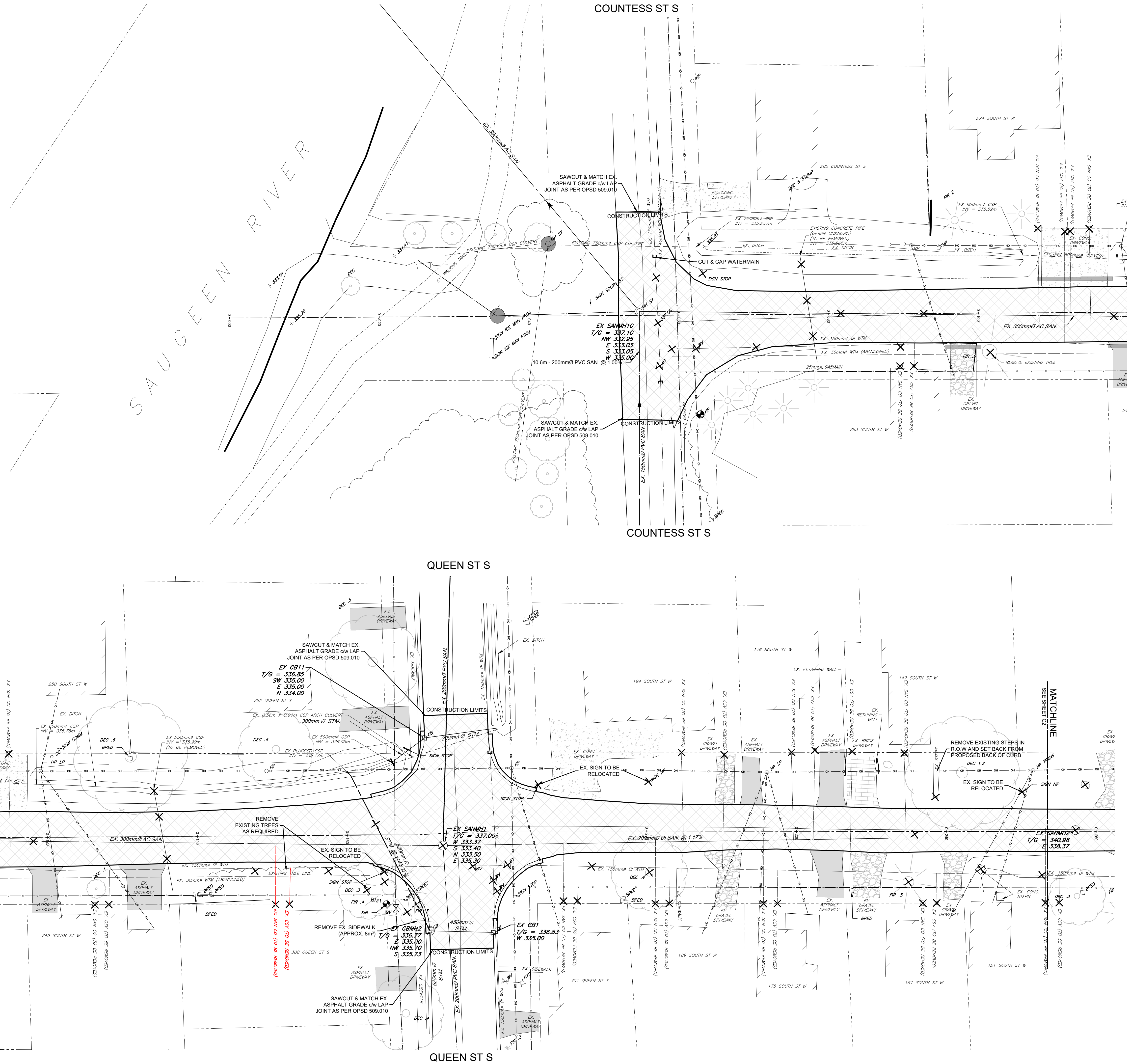


INDEX

SHEET No.	DESCRIPTION
10125-C1	EXISTING CONDITIONS & REMOVALS STA 0+840 TO 1+160
10125-C2	EXISTING CONDITIONS & REMOVALS STA 1+160 TO 1+494
10125-C3	SOUTH STREET STA 0+840 TO 0+970 PLAN & PROFILE
10125-C4	SOUTH STREET STA 0+970 TO 1+100 PLAN & PROFILE
10125-C5	SOUTH STREET STA 1+100 TO 1+230 PLAN & PROFILE
10125-C6	SOUTH STREET STA 1+230 TO 1+365 PLAN & PROFILE
10125-C7	SOUTH STREET STA 1+365 TO 1+494 PLAN & PROFILE
10125-C8	TYPICAL ROAD SECTION & MISCELLANEOUS DETAILS 1
10125-C9	MISCELLANEOUS DETAILS 2
10125-C10	MISCELLANEOUS DETAILS 3

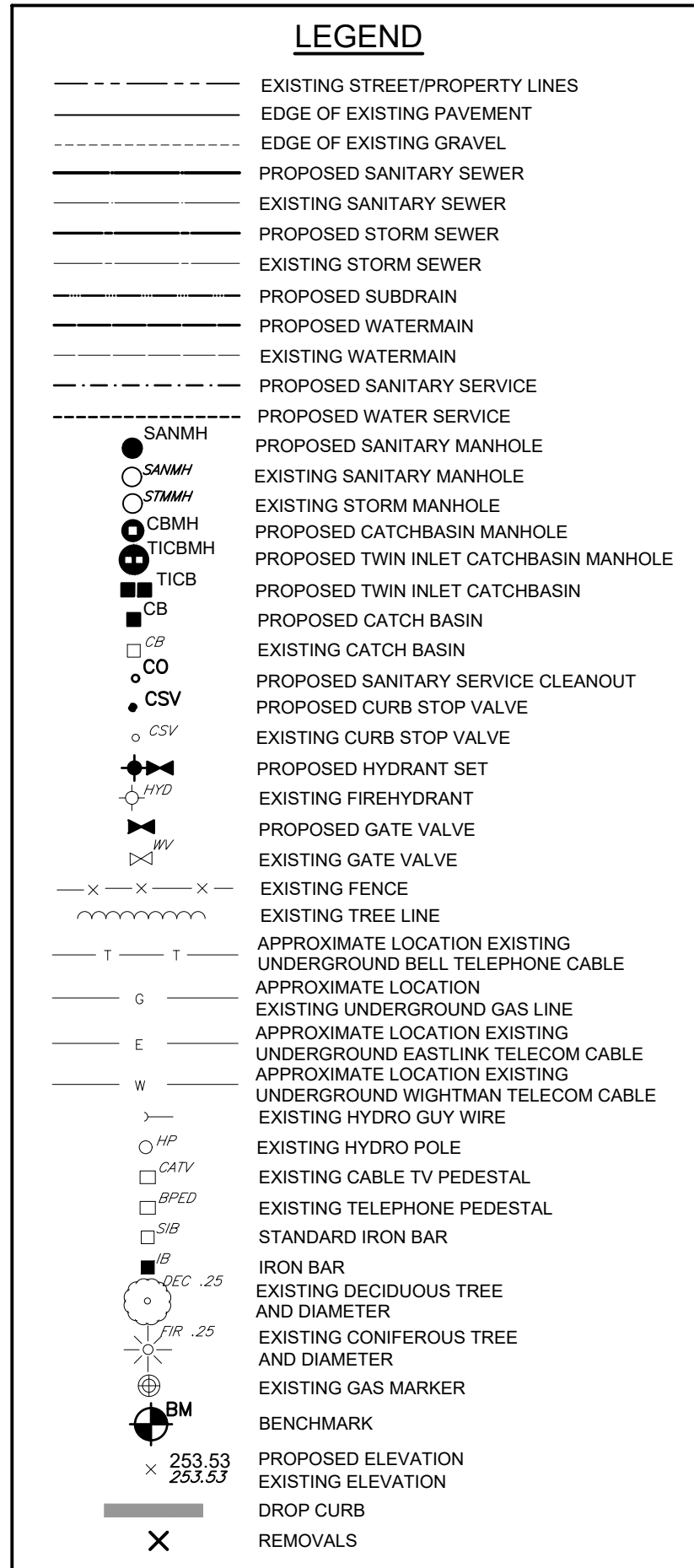
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB
No.	DATE	DESCRIPTION	BY	APPD
		REVISION / ISSUE		
Seal not valid unless signed and dated				
 COBIDE ENGINEERING INC <small>517 10th Street, Hanover, Ontario N4N 1R4 Telephone: (519) 506-5959 www.cobideeng.com</small>				
Title: SOUTH ST ROAD RECONSTRUCTION TOWN OF DURHAM MUNICIPALITY OF WEST GREY TITLE SHEET				
Client: MUNICIPALITY OF WEST GREY				
Design:	JHL	Scale:		
Drawn:	JHL	Approved:		
Checked:	TLB			
Date:	SEPT 2024	Design Engineer		
DRAWING No.		10129-TS		

C:\Users\lucobu\AppData\Local\Temp\AspPublish_17984\10129 - South Street - 2025-01-14.dwg Mar 27, 2025 - 1:48pm



CAUTION: THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS. AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

- Notes**
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 900.040.
 10. COVER OVER WATERMAIN 2.00m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICEPEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.50m HORIZONTAL AND 0.50m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.



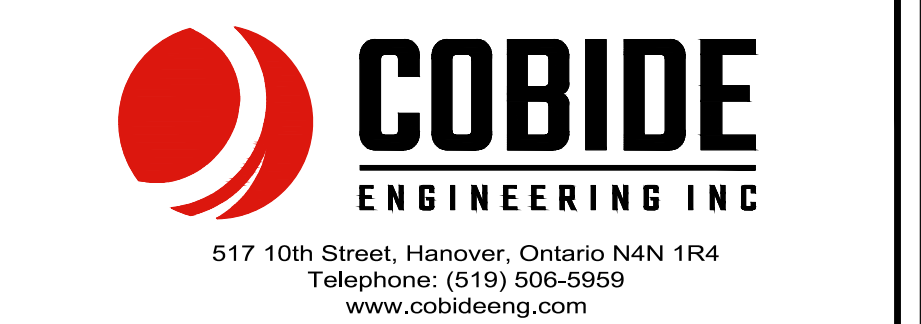
Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST S	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

Seal not valid unless signed and dated



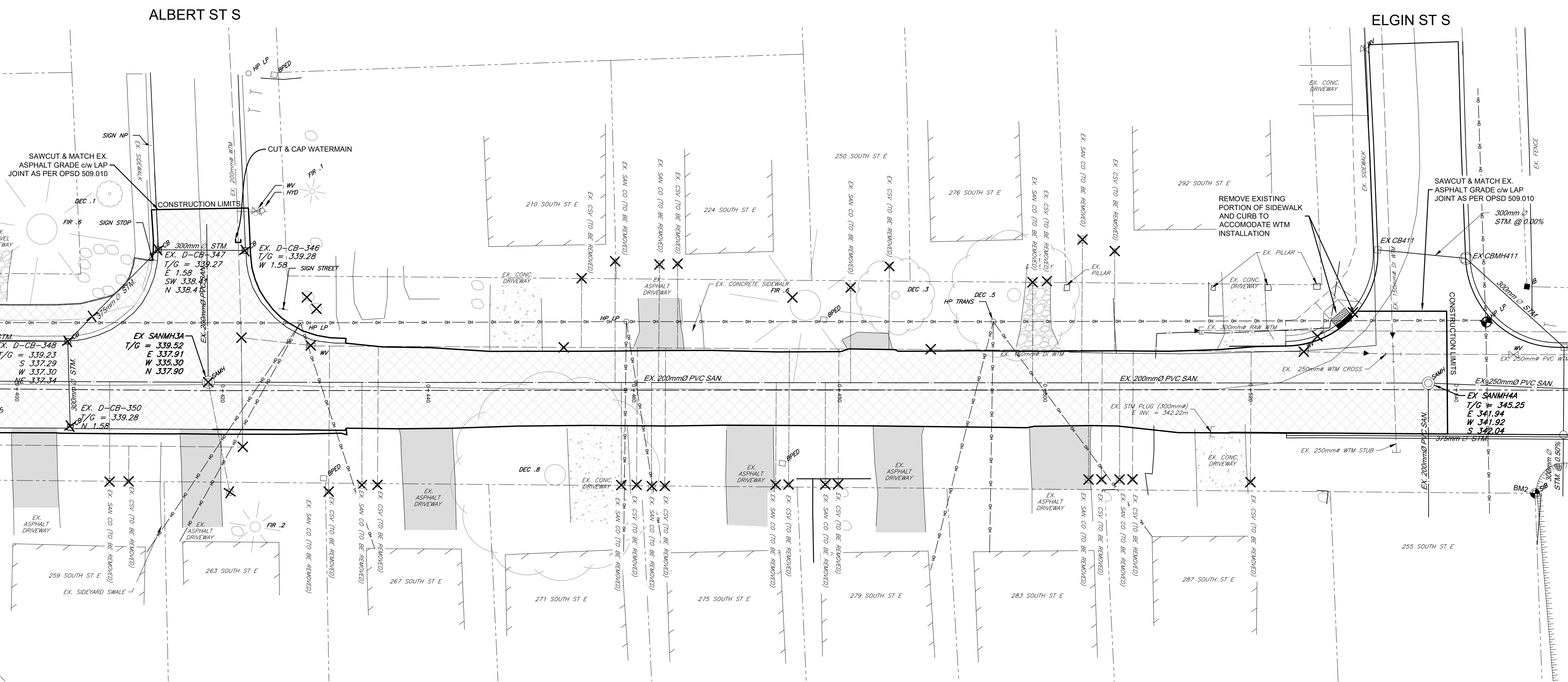
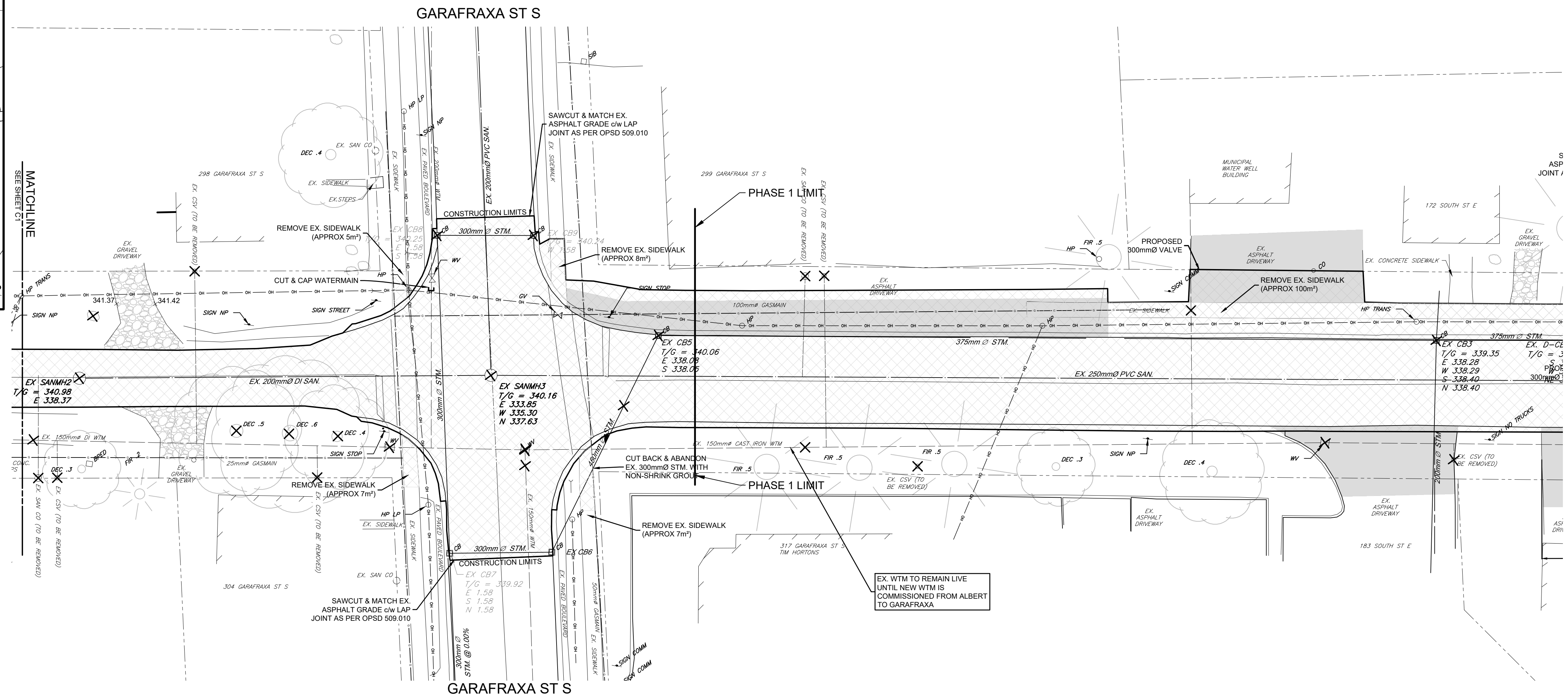
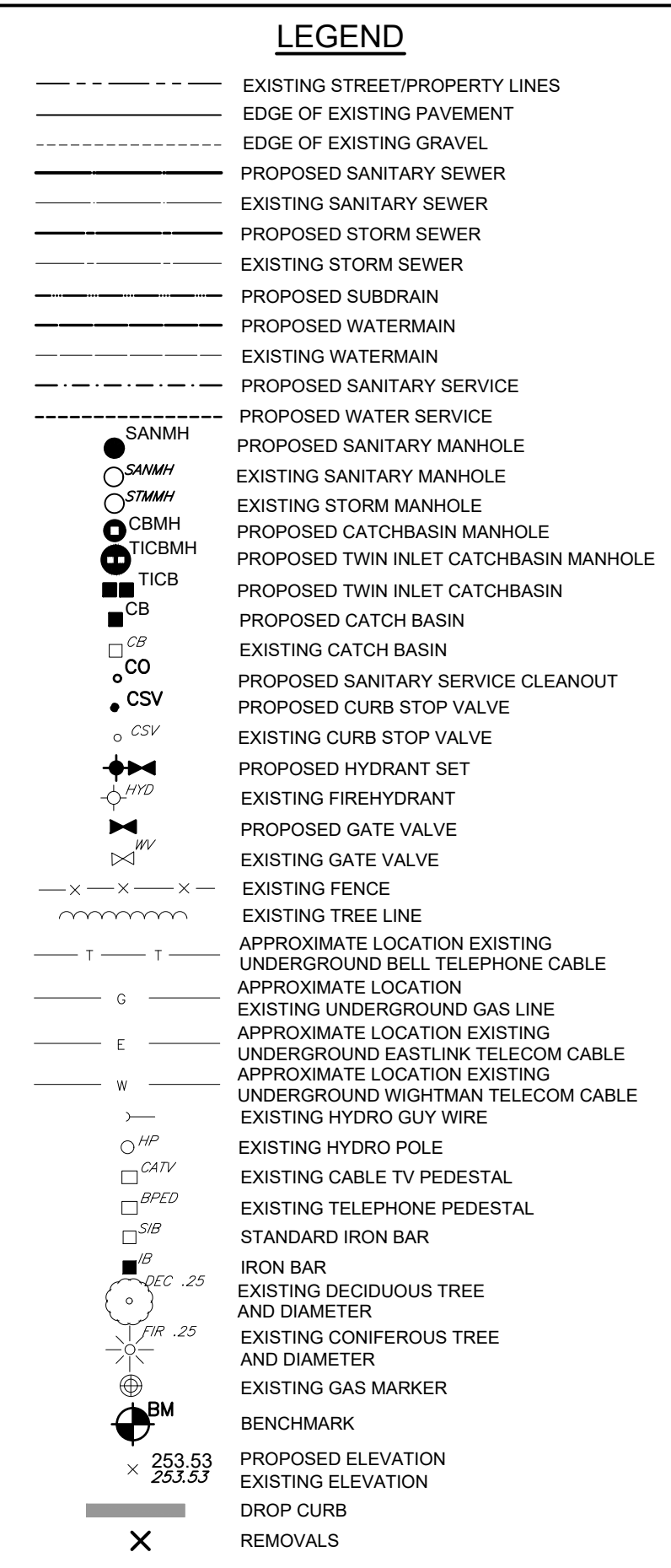
Title: SOUTH ST ROAD RECONSTRUCTION
TOWN OF DURHAM
MUNICIPALITY OF WEST GREY
EXISTING CONDITIONS AND REMOVALS
STA 0+000 to STA. 0+250

Client: MUNICIPALITY OF WEST GREY

Design:	JHL	Scale:	1:250
Drawn:	JHL	Approved:	
Checked:	TLB		
Date:	SEPT 2024		

DRAWING No. 10129-C1

H:\West Grey\10129 - South Street Reconstruction\Drawings\Submissions\2025-03-27 Issued for Tender\10129 - South Street - 2025-01-14.dwg



CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

- Notes**
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 600.040.
 10. COVER OVER WATERMAIN 2.00m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICEPEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.50m HORIZONTAL AND 0.50m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 60mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.

Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST S	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

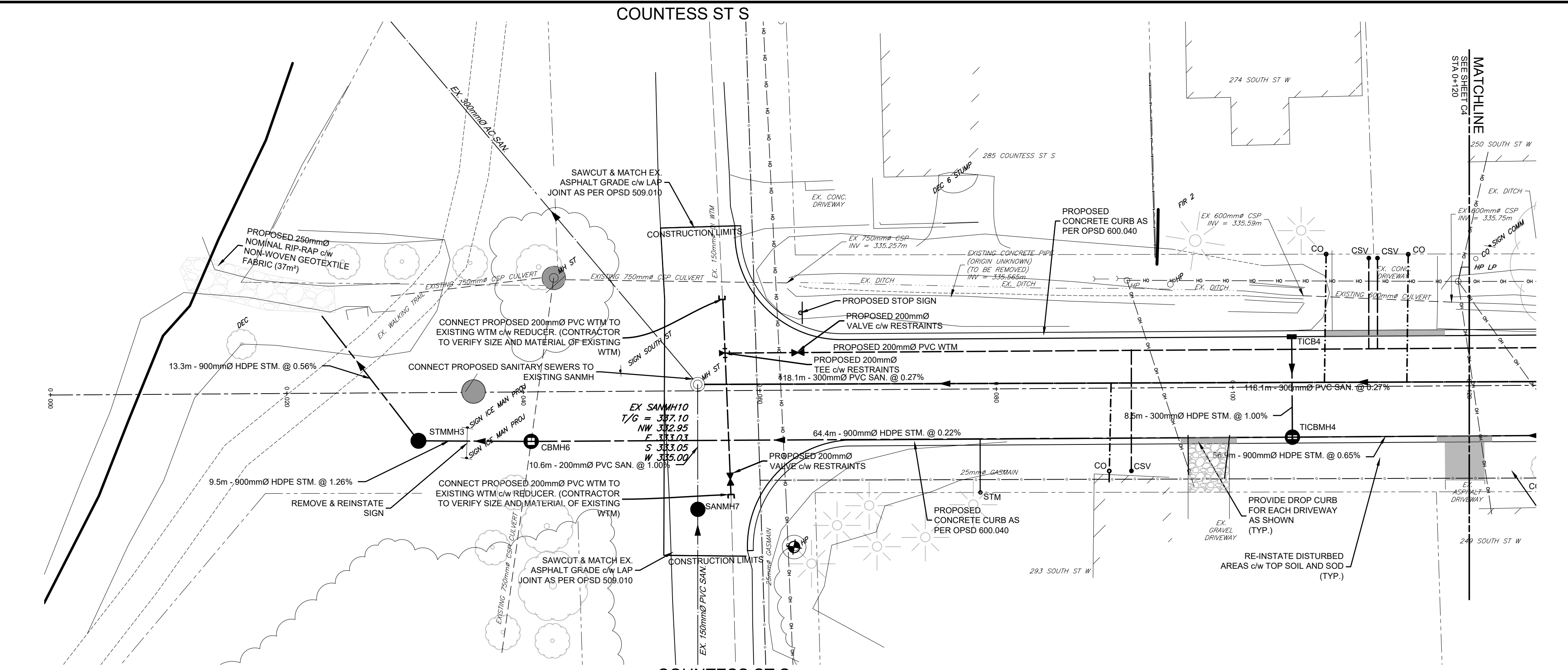
Seal valid unless signed and dated

517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

South St Road Reconstruction
TOWN OF DURHAM
MUNICIPALITY OF WEST GREY
EXISTING CONDITIONS AND REMOVALS
STA. 0+250 to STA. 0+420

Client:	MUNICIPALITY OF WEST GREY
Design:	JHL
Scale:	1:250
Drawn:	JHL
Approved:	
Checked:	TLB
Date:	SEPT 2024
Design Engineer:	
DRAWING No.	10129-C2

H:\West Grey\10129 - South Street Reconstruction\Drawings\Submissions\2025-03-27 Issued for Tender\10129 - South Street - 2025-01-14.dwg



CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

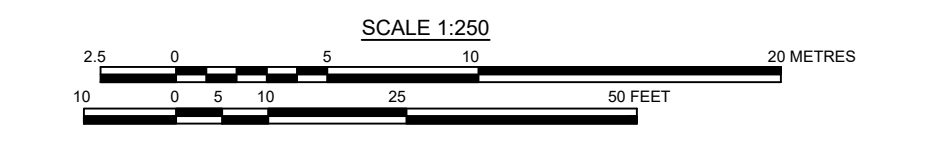
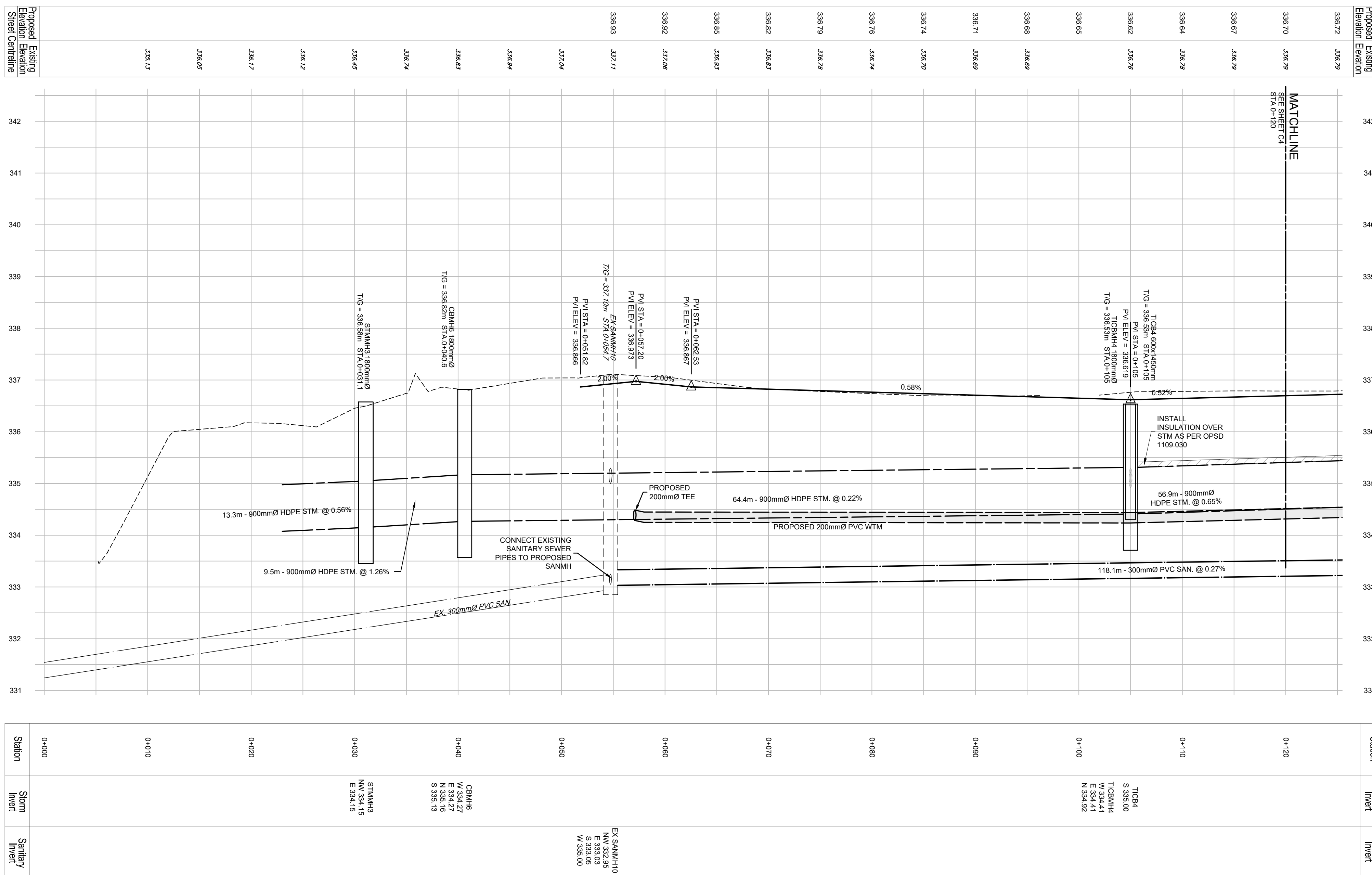
- Notes**
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 600.040.
 10. COVER OVER WATERMAIN 2.03m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICIPEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.50m HORIZONTAL AND 0.50m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.

LEGEND

---	EXISTING STREET/PROPERTY LINES
---	EDGE OF EXISTING PAVEMENT
---	EDGE OF EXISTING GRAVEL
---	PROPOSED SANITARY SEWER
---	EXISTING SANITARY SEWER
---	PROPOSED STORM SEWER
---	EXISTING STORM SEWER
---	PROPOSED SUBDRAIN
---	PROPOSED WATERMAIN
---	EXISTING WATERMAIN
---	PROPOSED SANITARY SERVICE
---	PROPOSED WATER SERVICE
●	PROPOSED SANITARY MANHOLE
○	EXISTING SANITARY MANHOLE
○	EXISTING STORM MANHOLE
○	PROPOSED CATCHBASIN MANHOLE
○	PROPOSED TWIN INLET CATCHBASIN MANHOLE
○	PROPOSED CATCH BASIN
○	EXISTING CATCH BASIN
○	PROPOSED SANITARY SERVICE CLEANOUT
○	PROPOSED CURB STOP VALVE
○	EXISTING CURB STOP VALVE
○	PROPOSED HYDRANT SET
○	EXISTING FIREHYDRANT
○	PROPOSED GATE VALVE
○	EXISTING GATE VALVE
○	EXISTING FENCE
○	EXISTING TREE LINE
○	APPROXIMATE LOCATION EXISTING UNDERGROUND BELL TELEPHONE CABLE
○	APPROXIMATE LOCATION EXISTING UNDERGROUND GAS LINE
○	APPROXIMATE LOCATION EXISTING UNDERGROUND EASTLINK TELECOM CABLE
○	APPROXIMATE LOCATION EXISTING UNDERGROUND WIGHTMAN TELECOM CABLE
○	EXISTING HYDRO GUY WIRE
○	EXISTING HYDRO POLE
○	EXISTING CABLE TV PEDESTAL
○	EXISTING TELEPHONE PEDESTAL
○	STANDARD IRON BAR
○	IRON BAR
○	EXISTING DECIDUOUS TREE AND DIAMETER
○	EXISTING CONIFEROUS TREE AND DIAMETER
○	EXISTING GAS MARKER
○	BENCHMARK
○	PROPOSED ELEVATION
○	EXISTING ELEVATION
○	DROP CURB
○	REMOVALS

SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECP PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE AND PLACE WATER PIPE JOINTS A MINIMUM OF 2.5m HORIZONTALLY FROM OUTSIDE EDGE OF SEWER PIPE.

GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL PAVING IS COMPLETED



Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST S	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

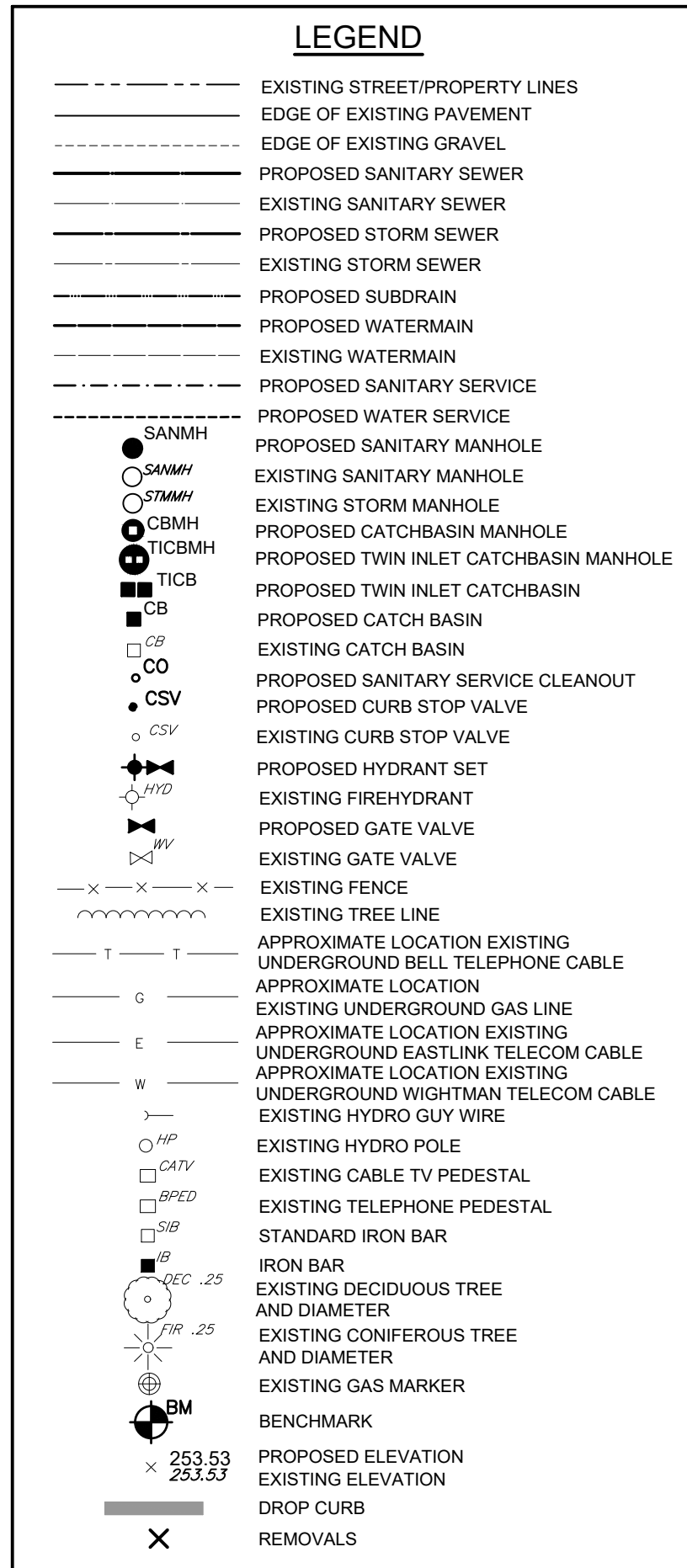
REVISION / ISSUE

Seal not valid unless signed and dated

517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

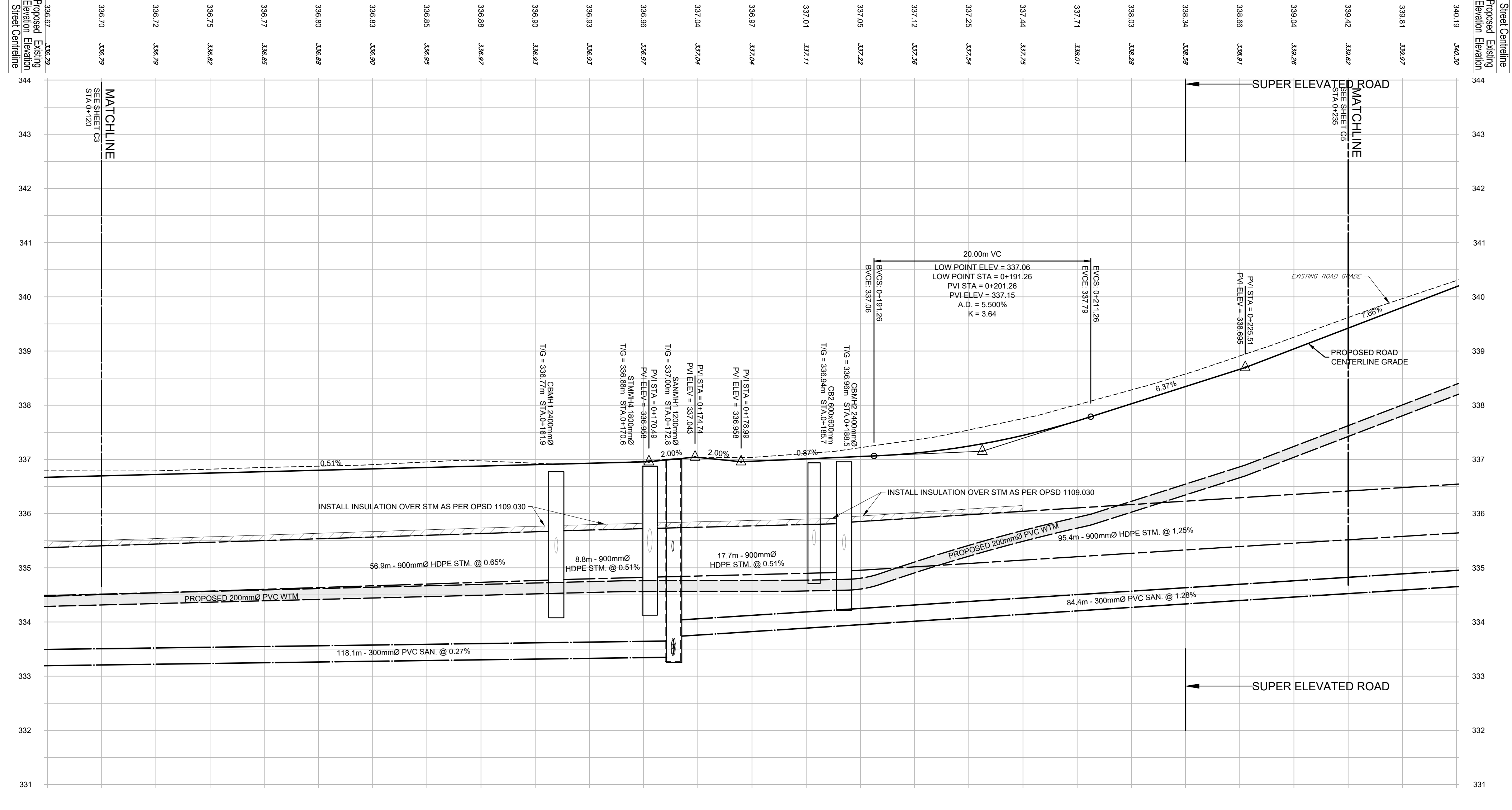
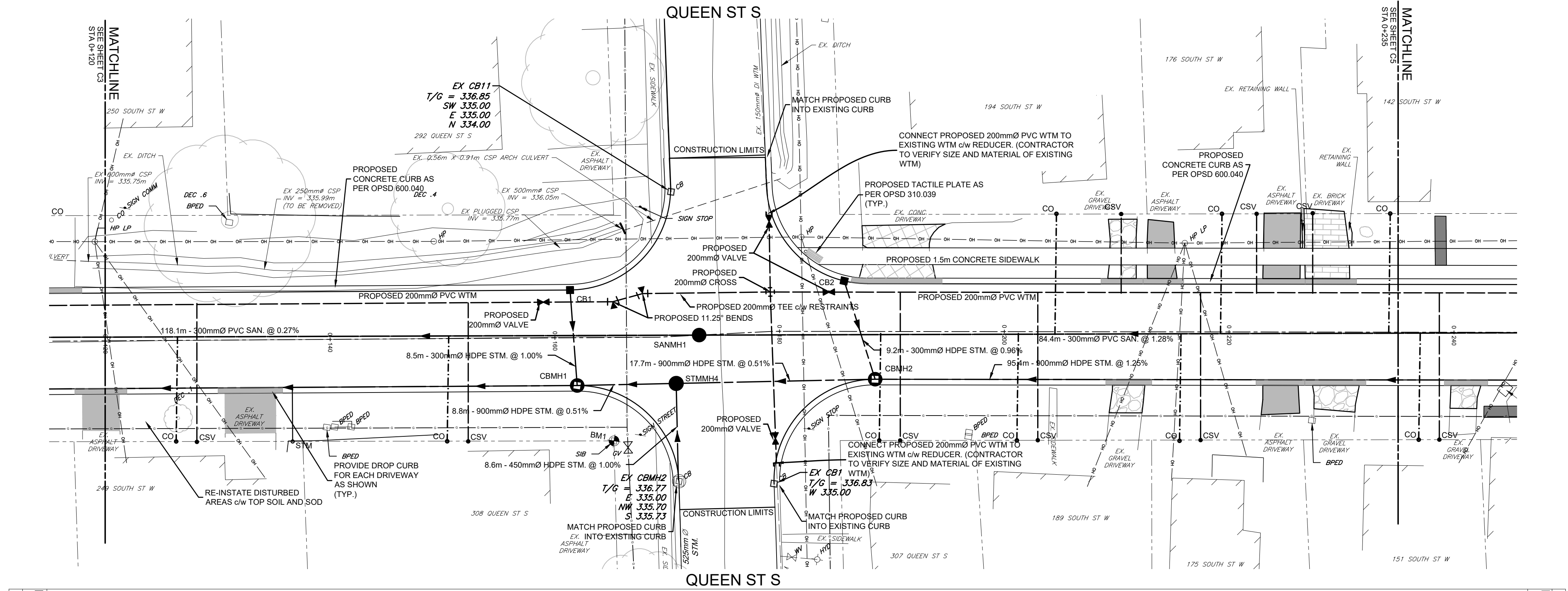
Title: SOUTH ST ROAD RECONSTRUCTION TOWN OF DURHAM MUNICIPALITY OF WEST GREY SOUTH ST W PLAN AND PROFILE STA. 0+010 TO STA. 0+120

Client: MUNICIPALITY OF WEST GREY	
Design: JHL	Scale: H 1:250 V 1:50
Drawn: JHL	Approved:
Checked: TLB	
Date: SEPT 2024	Design Engineer:
DRAWING No.	10129-C3



SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECF PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE AND PLACE WATER PIPE JOINTS A MINIMUM OF 2.5m HORIZONTALLY FROM OUTSIDE EDGE OF SEWER PIPE.

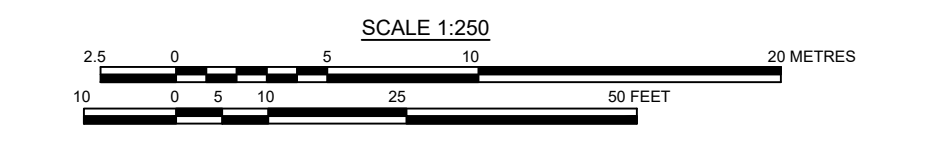
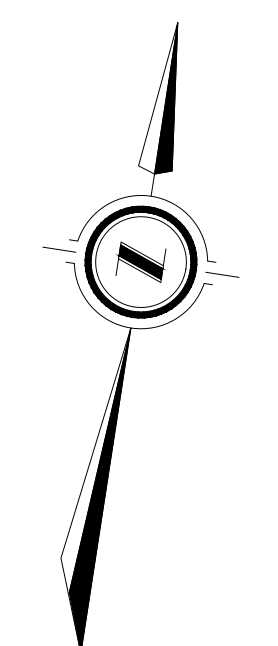
GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL PAVING IS COMPLETED



Station	Storm Invert	Sanitary Invert
0+120		
0+130		
0+140		
0+150		
0+160	CBMH1 W 334.78 N 335.26	
0+170	STMH4 W 334.83 N 335.28	SANMH1 E 333.73 W 333.50 N 334.78 S 334.90
0+180		CBMH2 E 334.42 W 334.78 N 335.32 S 334.41
0+190		
0+200		
0+210		
0+220		
0+230		
0+240		

CAUTION: THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

- Notes
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 600.040.
 10. COVER OVER WATERMAIN 2.03m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICEP FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.5m HORIZONTAL AND 0.5m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 60mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.



Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST S	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

Seal not valid unless signed and dated

517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

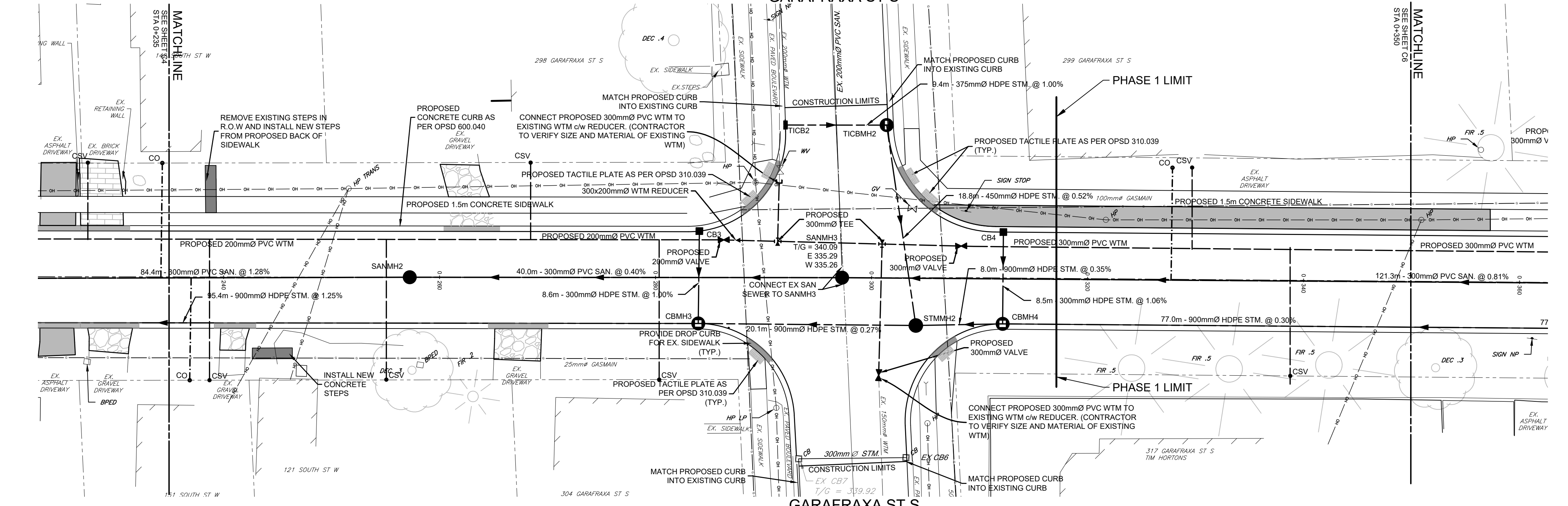
Client: MUNICIPALITY OF WEST GREY

Scale: H 1:250 V 1:50

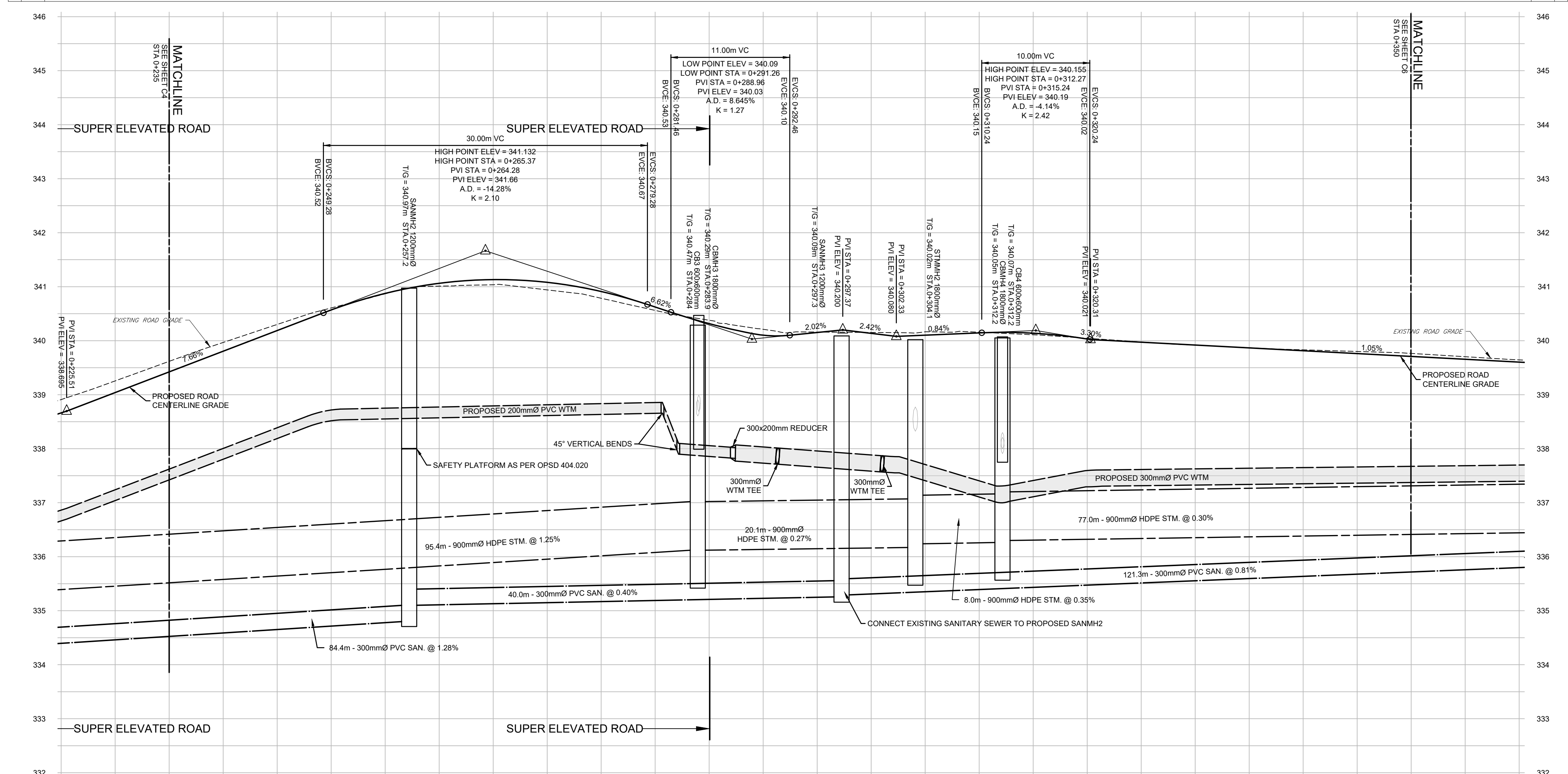
Design: JHL
Drawn: JHL
Checked: TLB
Date: SEPT 2024

Approved: _____
Design Engineer

DRAWING No. 10129-C4



Station	Proposed Elevation	Existing Elevation
338.88	338.87	
339.04	339.04	
339.42	339.42	
339.81	339.81	
340.19	340.19	
340.57	340.57	
340.88	340.88	
341.08	341.08	
341.13	341.13	
341.08	341.08	
340.91	340.91	
340.82	340.82	
340.32	340.32	
340.10	340.10	
340.15	340.15	
340.14	340.14	
340.14	340.14	
340.03	340.03	
339.97	339.97	
339.92	339.92	
339.87	339.87	
339.81	339.81	
339.76	339.76	
339.71	339.71	
339.66	339.66	
339.60	339.60	



Station	Storm Invert	Sanitary Invert
0+230		
0+240		
0+250		
0+260		
0+270		
0+280		
0+290		
0+300		
0+310		
0+320		
0+330		
0+340		
0+350		
0+360		

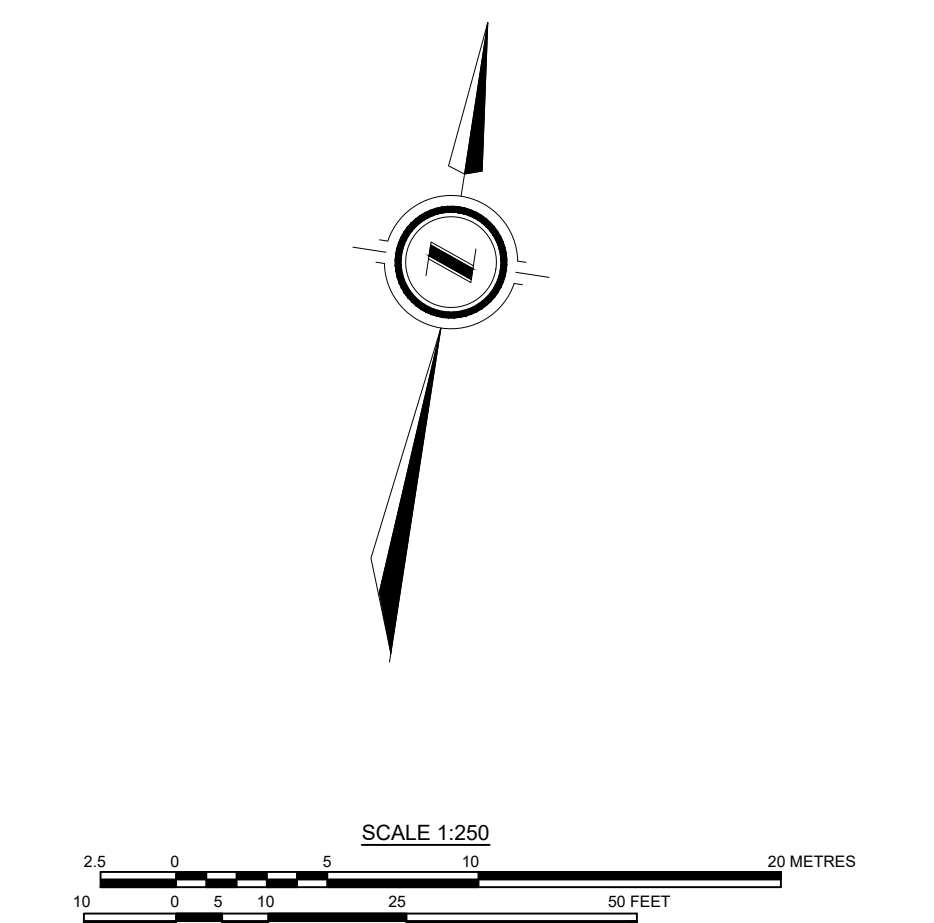
LEGEND

- EXISTING STREET/PROPERTY LINES
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SUBDRAIN
- PROPOSED WATERMAIN
- EXISTING WATERMAIN
- PROPOSED SANITARY SERVICE
- PROPOSED WATER SERVICE
- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED TWIN INLET CATCHBASIN MANHOLE
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED SANITARY SERVICE CLEANOUT
- PROPOSED CURB STOP VALVE
- EXISTING CURB STOP VALVE
- PROPOSED HYDRANT SET
- EXISTING FIREHYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- EXISTING FENCE
- EXISTING TREE LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND BELL TELEPHONE CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND GAS LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND EASTLINK TELECOM CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND WIGHTMAN TELECOM CABLE
- EXISTING HYDRO GUY WIRE
- EXISTING HYDRO POLE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- EXISTING GAS MARKER
- BENCHMARK
- PROPOSED ELEVATION
- EXISTING ELEVATION
- DROP CURB
- REMOVALS

SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECF PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE AND PLACE WATER PIPE JOINTS A MINIMUM OF 2.5m HORIZONTALLY FROM OUTSIDE EDGE OF SEWER PIPE.

GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL PAVING IS COMPLETED

- ### Notes
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 600.040.
 10. COVER OVER WATERMAIN 2.03m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICIPLEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.5m HORIZONTAL AND 0.5m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.



Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST E	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

TOWN OF DURHAM
MUNICIPALITY OF WEST GREY
SOUTH ST W PLAN AND PROFILE
STA. 0+235 TO STA. 0+350

Client: **MUNICIPALITY OF WEST GREY**

Scale: H 1:250 V 1:50

Design: JHL
Drawn: JHL
Checked: TLB
Date: SEPT 2024

DRAWING No. **10129-C5**

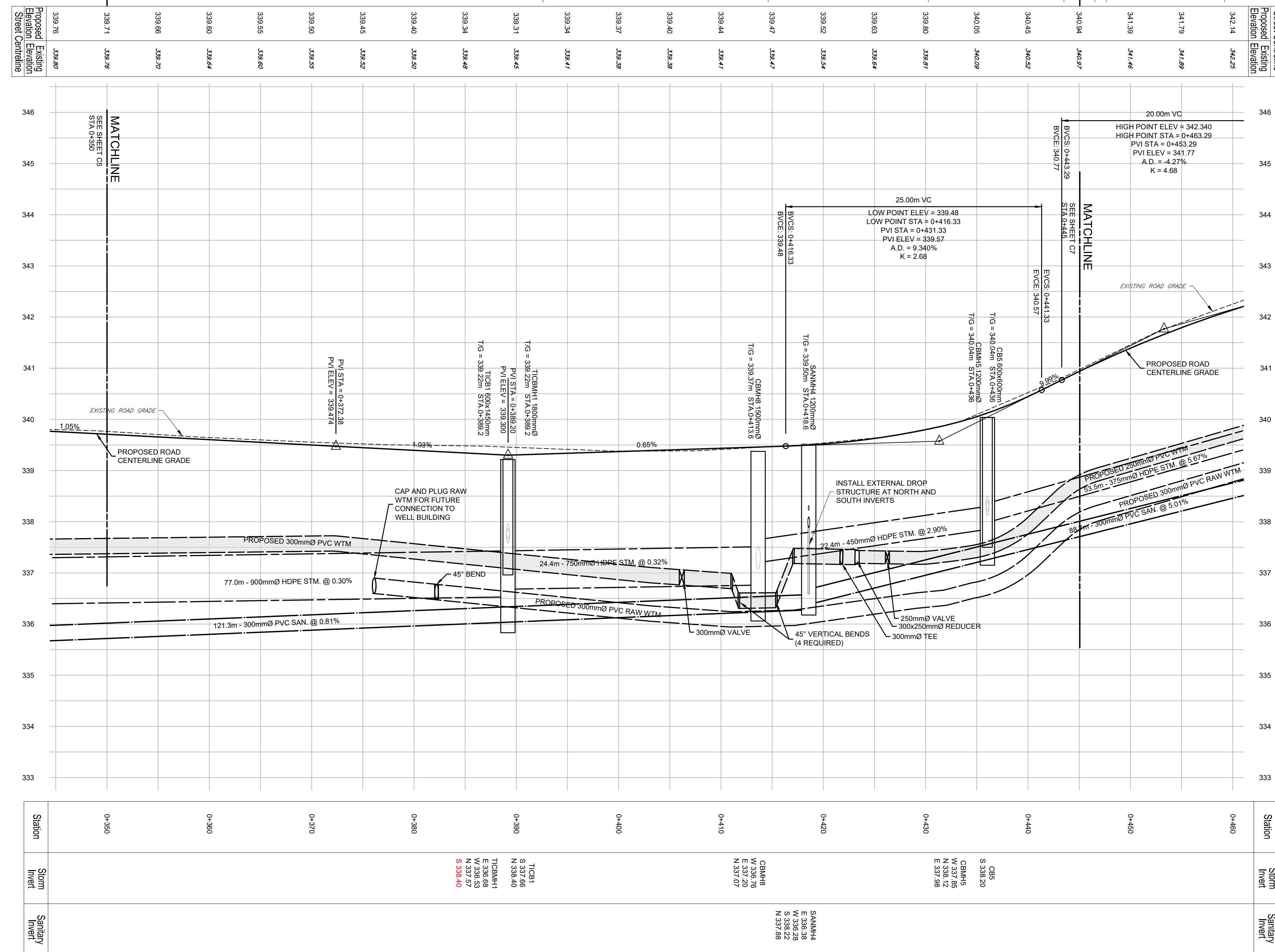
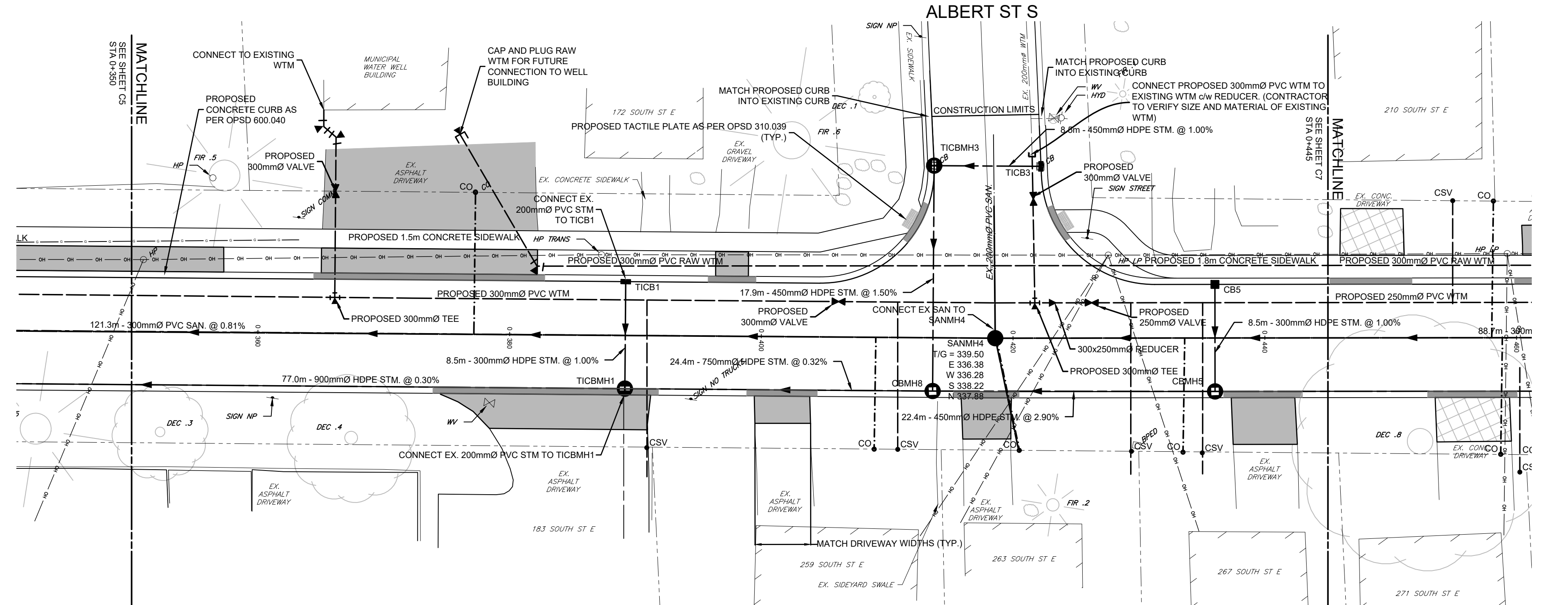


LEGEND

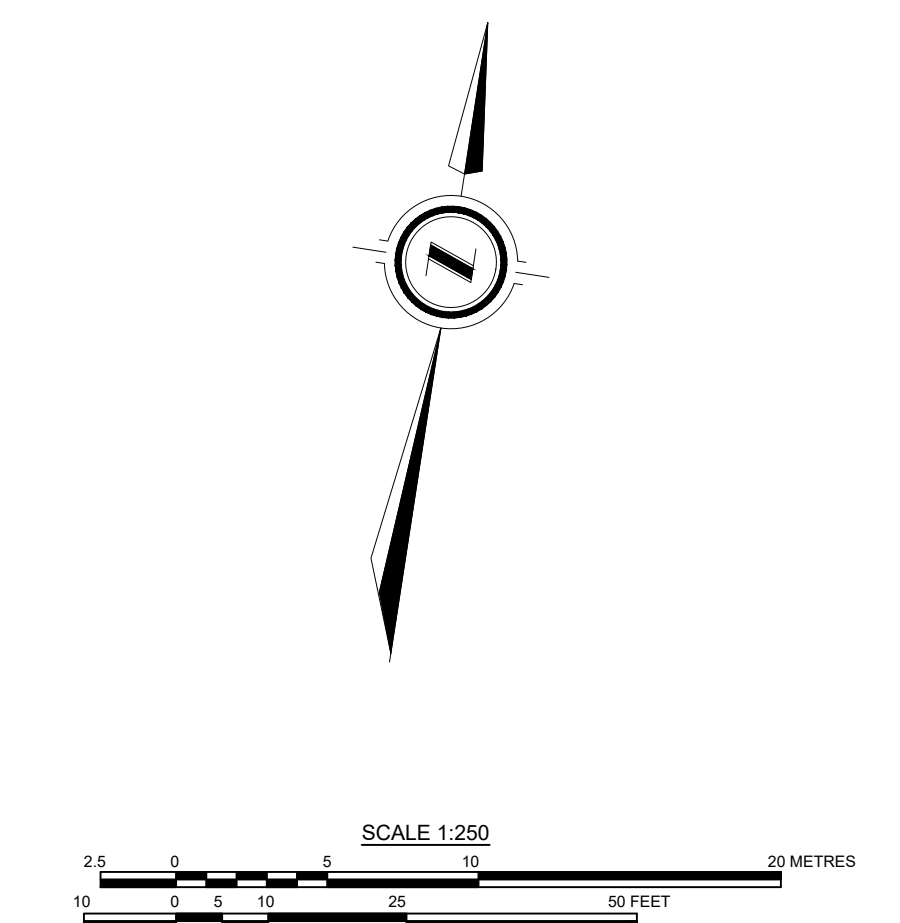
- - - - - EXISTING STREET/PROPERTY LINES
- - - - - EDGE OF EXISTING PAVEMENT
- - - - - EDGE OF EXISTING GRAVEL
- - - - - PROPOSED SANITARY SEWER
- - - - - EXISTING SANITARY SEWER
- - - - - PROPOSED STORM SEWER
- - - - - EXISTING STORM SEWER
- - - - - PROPOSED SUBDRAIN
- - - - - PROPOSED WATERMAIN
- - - - - EXISTING WATERMAIN
- - - - - PROPOSED SANITARY SERVICE
- - - - - PROPOSED WATER SERVICE
- SANMH PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- CBMH PROPOSED CATCHBASIN MANHOLE
- TICBMH PROPOSED TWIN INLET CATCHBASIN MANHOLE
- TICB PROPOSED TWIN INLET CATCHBASIN
- CB PROPOSED CATCH BASIN
- CO PROPOSED SANITARY SERVICE CLEANOUT
- CSV PROPOSED CURB STOP VALVE
- EXISTING CURB STOP VALVE
- EXISTING HYDRANT SET
- EXISTING FIREHYDRANT
- EXISTING GATE VALVE
- EXISTING FENCE
- EXISTING TREE LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND BELL TELEPHONE CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND GAS LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND EASTLINK TELECOM CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND WIGHTMAN TELECOM CABLE
- EXISTING HYDRO GUY WIRE
- EXISTING HYDRO POLE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- EXISTING GAS MARKER
- BENCHMARK
- PROPOSED ELEVATION
- EXISTING ELEVATION
- DROP CURB
- REMOVALS

SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECF PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE AND PLACE WATER PIPE JOINTS A MINIMUM OF 2.5m HORIZONTALLY FROM OUTSIDE EDGE OF SEWER PIPE.

GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL PAVING IS COMPLETED



- CAUTION:** THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- Notes**
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 000.040.
 10. COVER OVER WATERMAIN 2.00m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICEPEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.50m HORIZONTAL AND 0.50m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 60mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.



Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST E	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

Seal not valid unless signed and dated

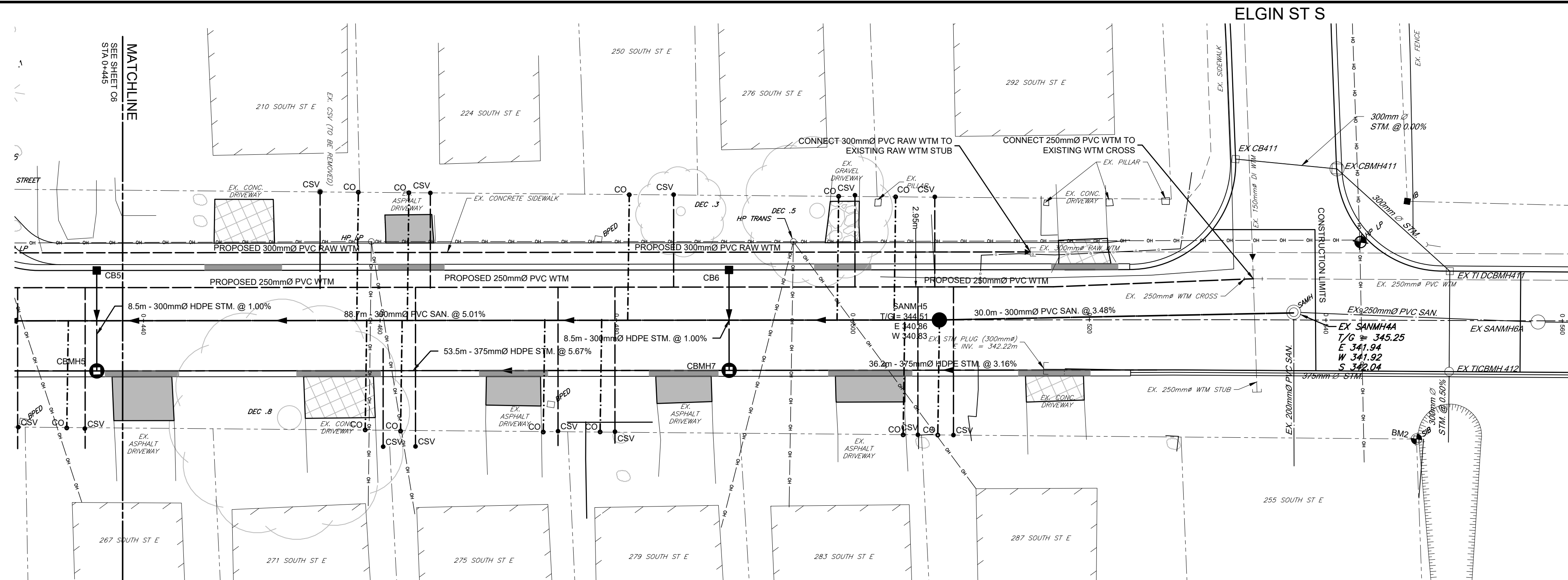
517 10th Street, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5959
www.cobideeng.com

Title: SOUTH ST E & W ROAD RECONSTRUCTION TOWN OF DURHAM MUNICIPALITY OF WEST GREY SOUTH ST PLAN AND PROFILE STA. 0+345 TO STA. 0+420

Client: MUNICIPALITY OF WEST GREY

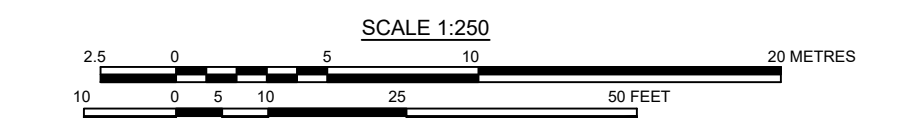
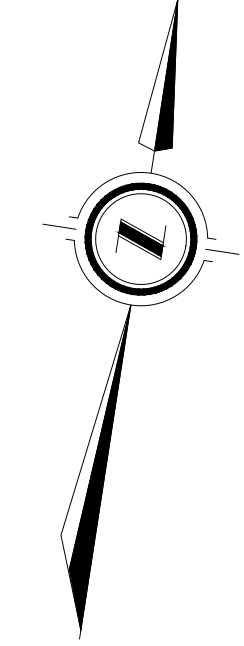
Design:	JHL	Scale:	H 1:250 V 1:50
Drawn:	JHL	Approved:	
Checked:	TLB		
Date:	SEPT 2024		

DRAWING No. 10129-C6



CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS. AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

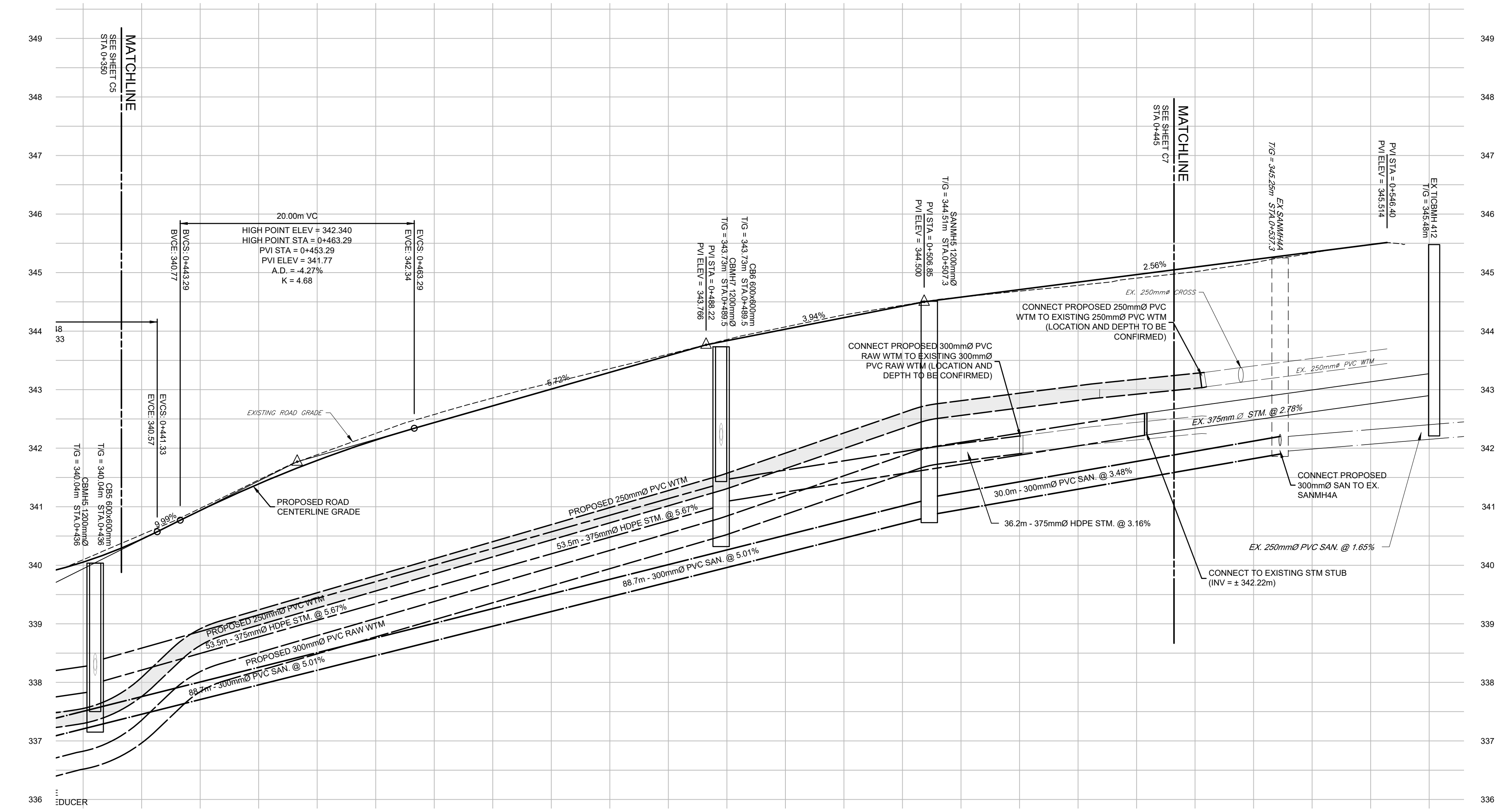
- Notes**
1. TOPOGRAPHIC INFORMATION DERIVED FROM TOPOGRAPHICAL SURVEY COMPLETED BY SMC GEOMATICS ON DECEMBER 05, 2023.
 2. PROPERTY LINES ARE APPROXIMATE ONLY.
 3. SEE SHEET DET1 FOR TYPICAL ROAD CROSS SECTIONS AND PAVEMENT DESIGN.
 4. ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 5. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 6. LOCATIONS OF INDIVIDUAL WATER AND SANITARY LATERALS SHOWN ARE APPROXIMATE AND EXACT LOCATIONS ARE TO BE DETERMINED PRIOR TO CONSTRUCTION.
 7. SANITARY SEWER TO BE PVC SDR 35.
 8. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15MM BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 9. ALL CURB TO BE BARRIER CURB AND GUTTER CONFORMING TO O.P.S.D. 600.040.
 10. COVER OVER WATERMAIN 2.03m MINIMUM AT ALL POINTS.
 11. ALL WATERMANS SHALL BE 200mmØ PVC DR18 WITH 19mmØ MUNICIPEX FOR WATER SERVICES.
 12. ALL HYDRANT SETS REQUIRE HYDRANT MARKER AND TEST STATION.
 13. MAINTAIN 2.5m HORIZONTAL AND 0.5m VERTICAL SEPARATION BETWEEN SANITARY SEWERS AND WATERMAIN.
 14. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL CATCHBASIN MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
 15. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF WEST GREY ENGINEERING STANDARDS.



LEGEND

- EXISTING STREET/PROPERTY LINES
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SUBDRAIN
- PROPOSED WATERMAIN
- EXISTING WATERMAIN
- PROPOSED SANITARY SERVICE
- PROPOSED WATER SERVICE
- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED TWIN INLET CATCHBASIN MANHOLE
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED SANITARY SERVICE CLEANOUT
- PROPOSED CURB STOP VALVE
- EXISTING CURB STOP VALVE
- PROPOSED HYDRANT SET
- EXISTING FIREHYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- EXISTING FENCE
- EXISTING TREE LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND BELL TELEPHONE CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND GAS LINE
- APPROXIMATE LOCATION EXISTING UNDERGROUND EASTLINK TELECOM CABLE
- APPROXIMATE LOCATION EXISTING UNDERGROUND DWIGHTMAN TELECOM CABLE
- EXISTING HYDRO GUY WIRE
- EXISTING HYDRO POLE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- EXISTING GAS MARKER
- BENCHMARK
- PROPOSED ELEVATION
- EXISTING ELEVATION
- DROP CURB
- REMOVALS

Proposed Elevation	Existing Elevation
340.05	342.09
340.45	342.52
340.94	342.97
341.39	343.46
341.79	343.89
342.14	344.25
342.44	344.58
342.72	344.86
343.01	345.12
343.30	345.36
343.58	345.61
343.84	345.86
344.03	346.07
344.23	346.28
344.43	346.44
344.58	346.58
344.71	346.69
344.84	346.78
344.97	346.80
345.09	346.82
345.22	346.87
345.35	346.93
345.48	346.96



Station	Storm Invert	Sanitary Invert
0+440		
0+450		
0+460		
0+470		
0+480		
0+490		
0+500		
0+510		
0+520		
0+530		
0+540		
0+550		

SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECF PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE AND PLACE WATER PIPE JOINTS A MINIMUM OF 2.5m HORIZONTALLY FROM OUTSIDE EDGE OF SEWER PIPE.

GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL PAVING IS COMPLETED

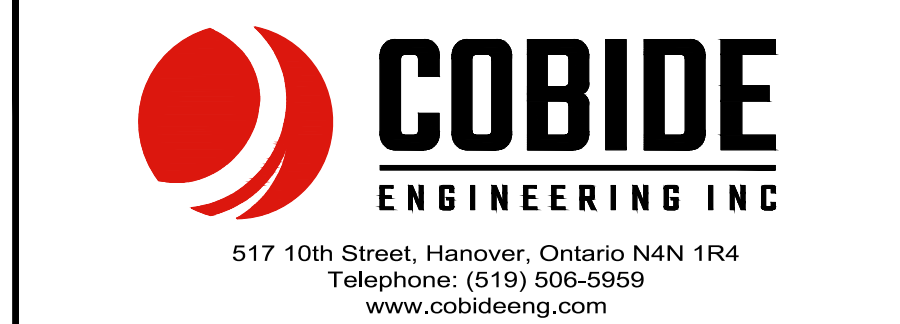
Benchmark Information

BM1	TOP OF SIB AT NORTH EAST LOT CORNER OF 308 QUEEN ST S.	ELEVATION	336.96m
BM2	TOP OF SIB AT NORTH EAST LOT CORNER OF 255 SOUTH ST E	ELEVATION	345.78m

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

Seal not valid unless signed and dated



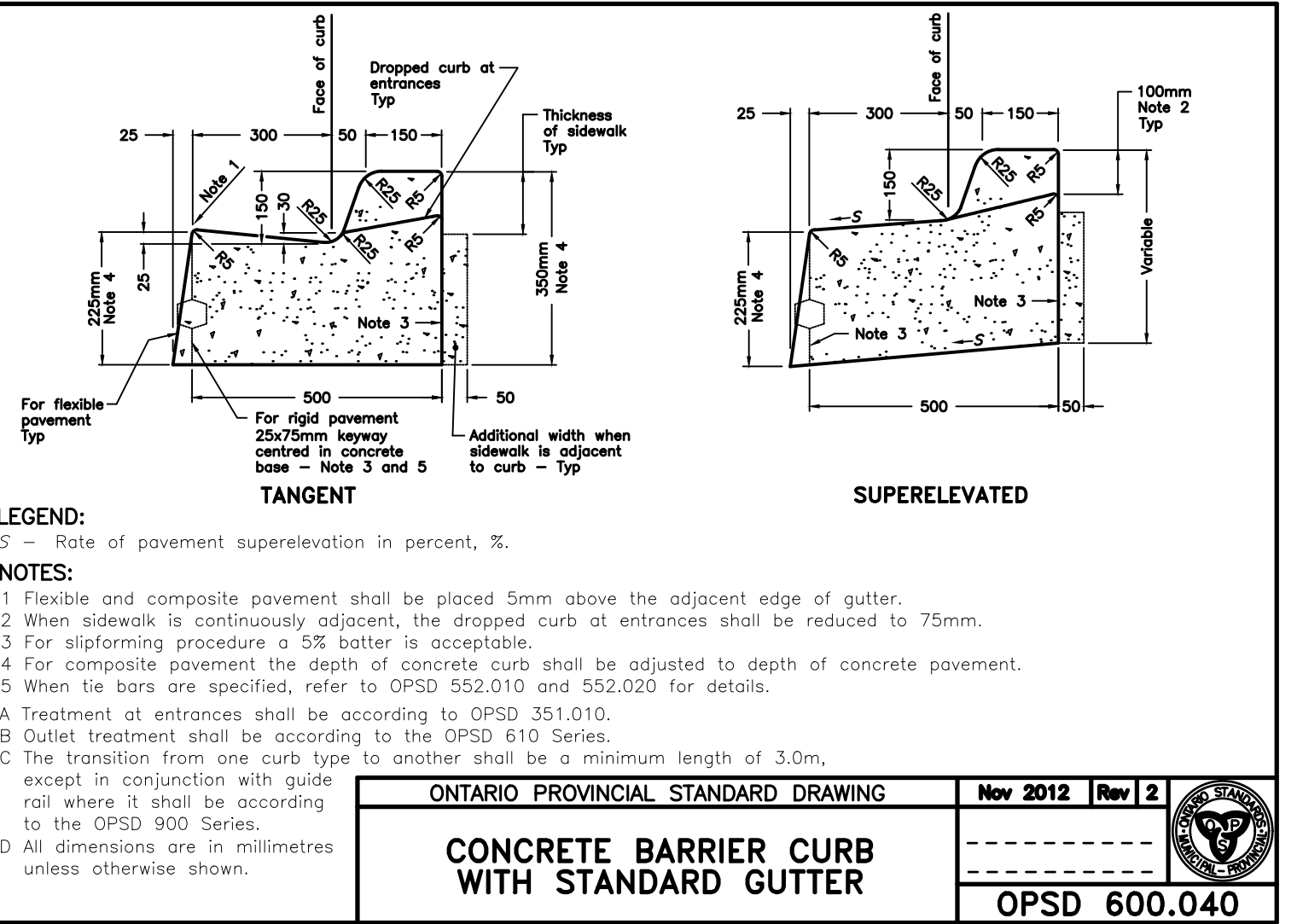
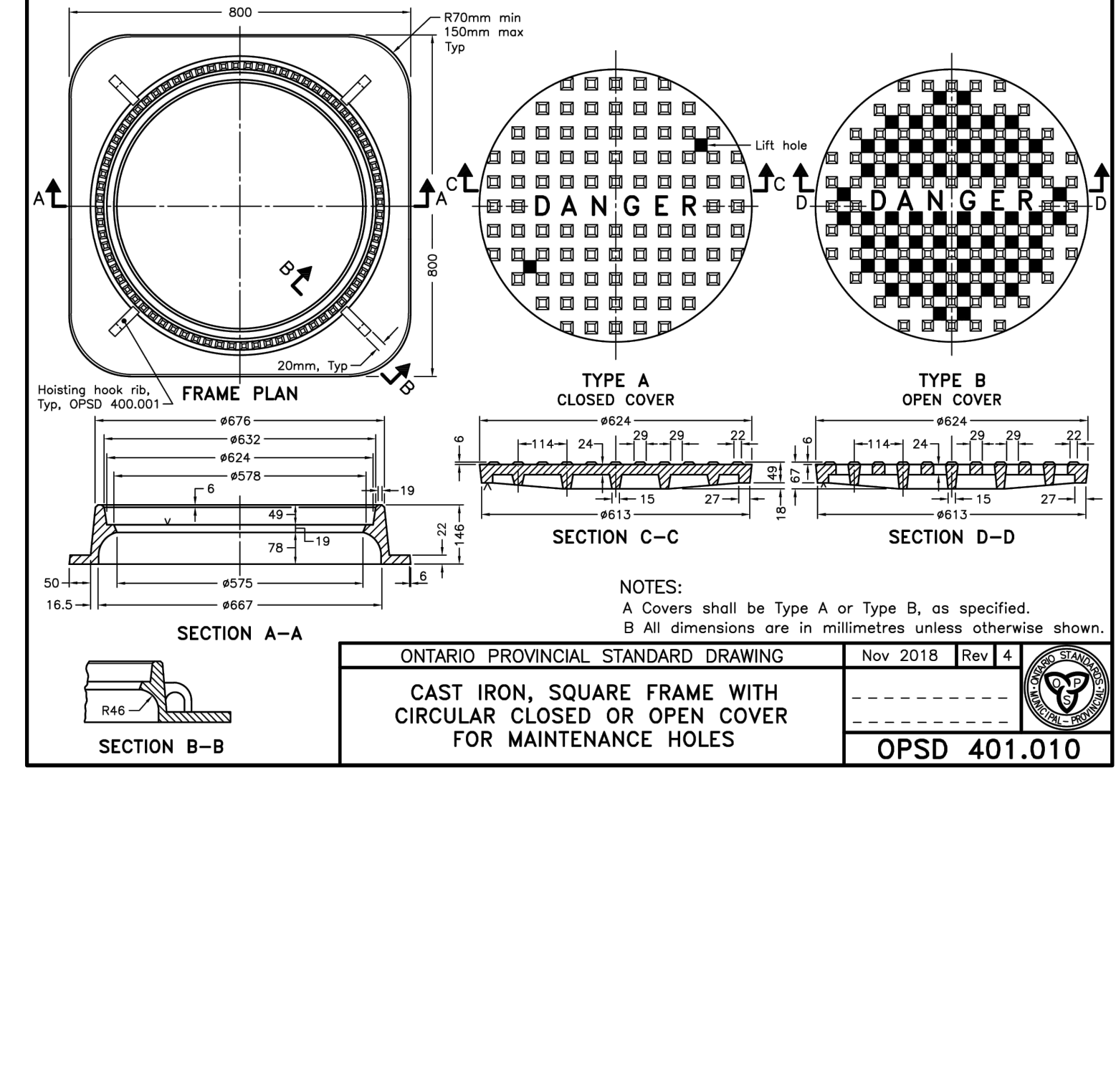
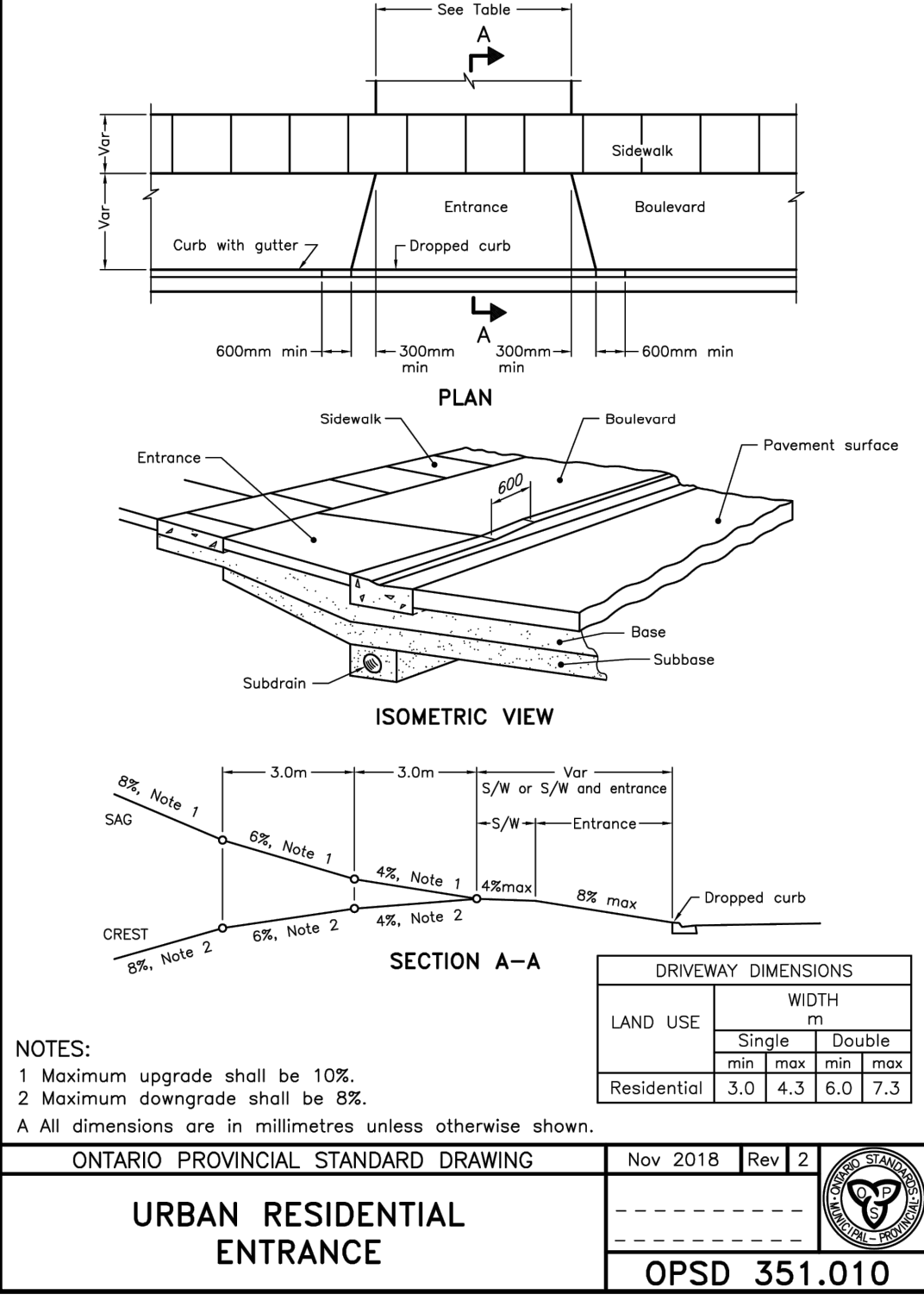
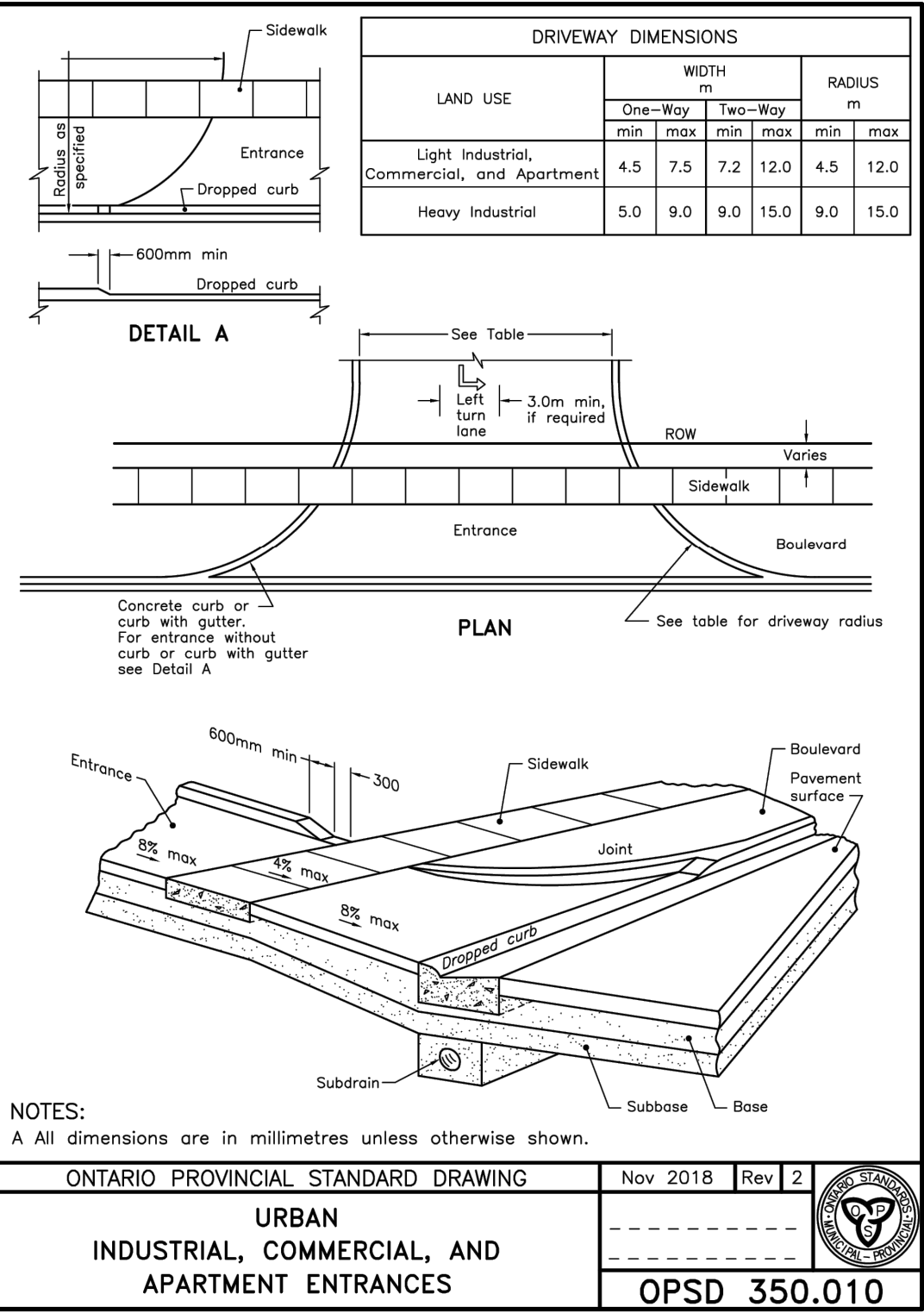
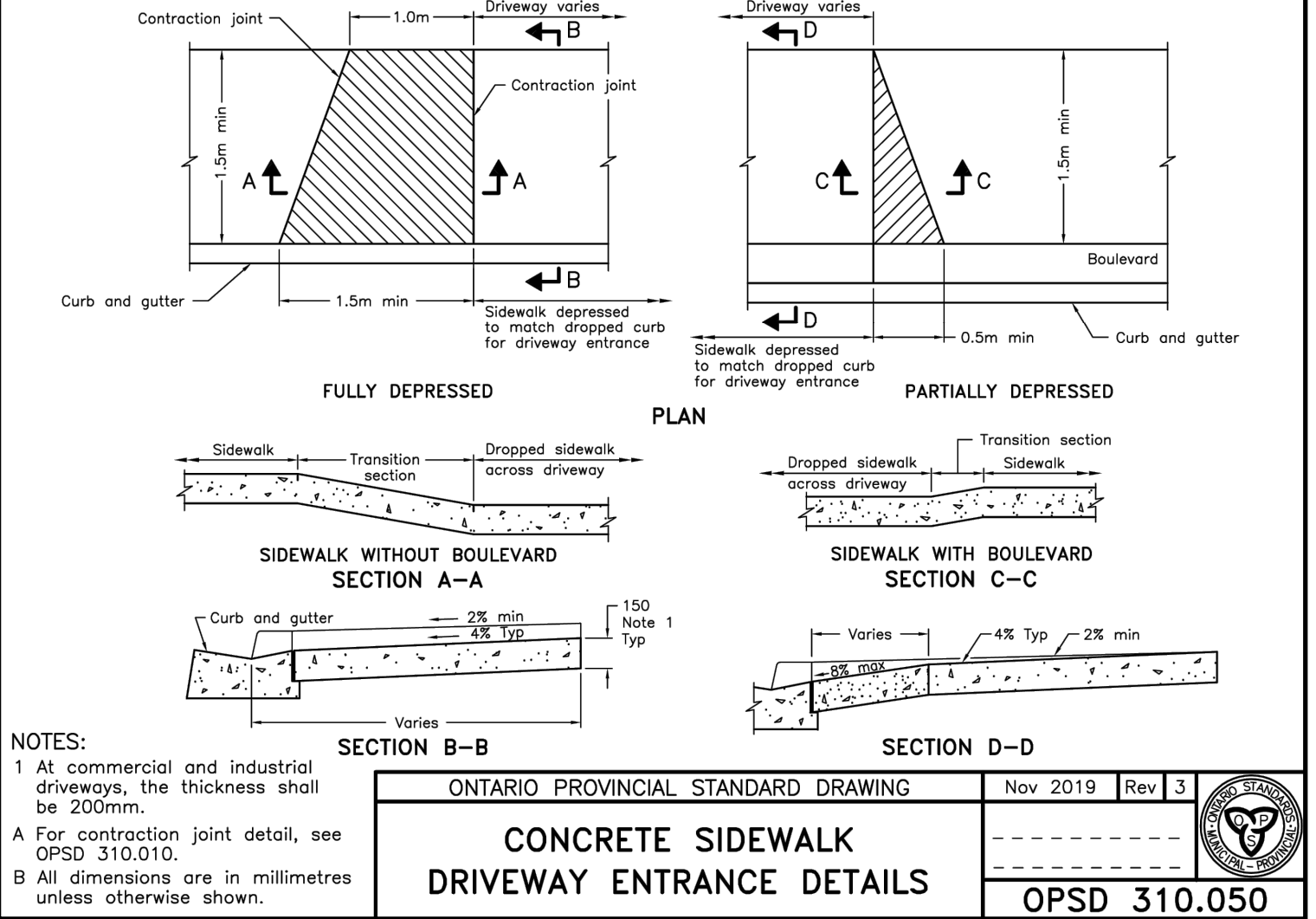
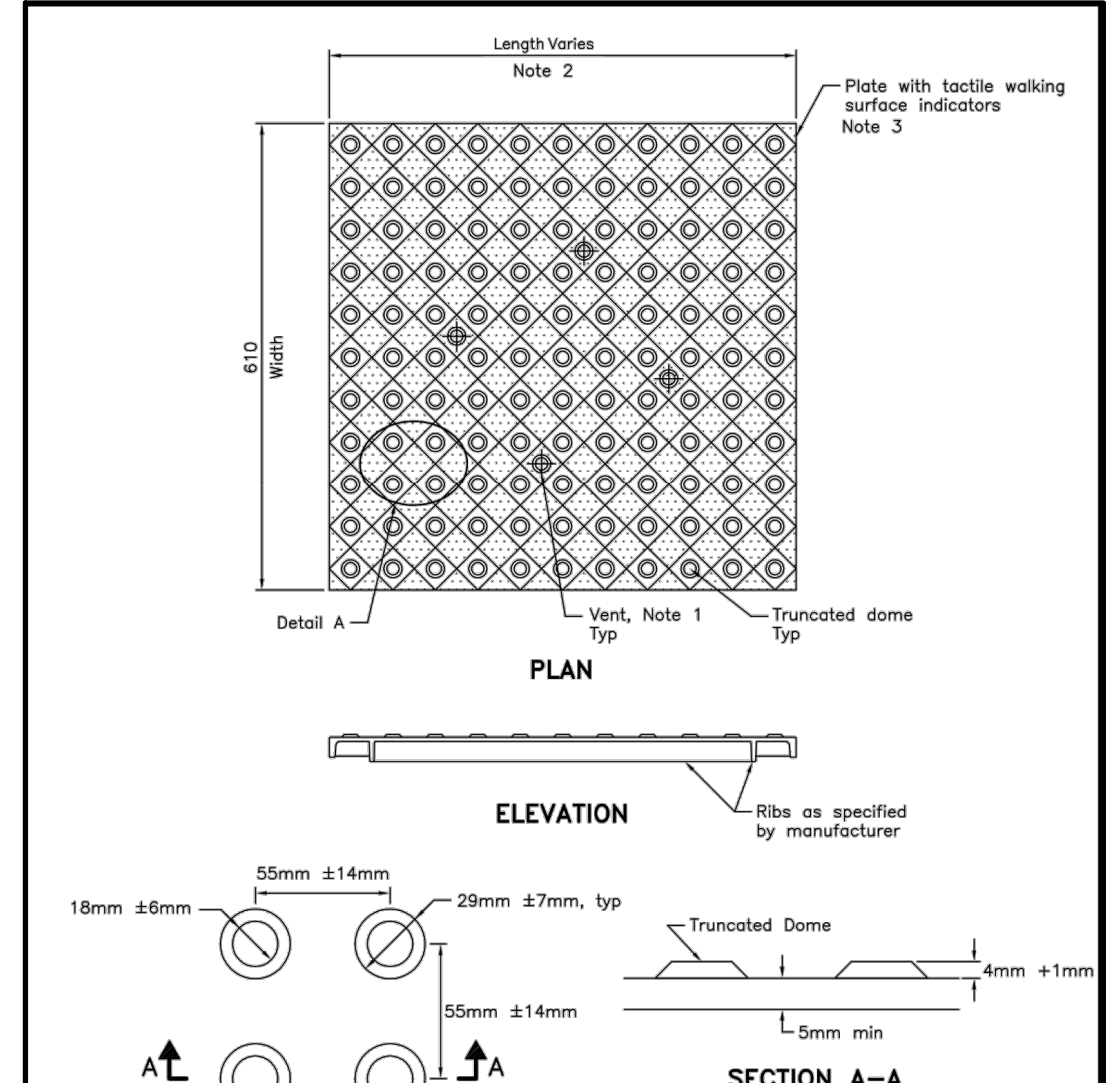
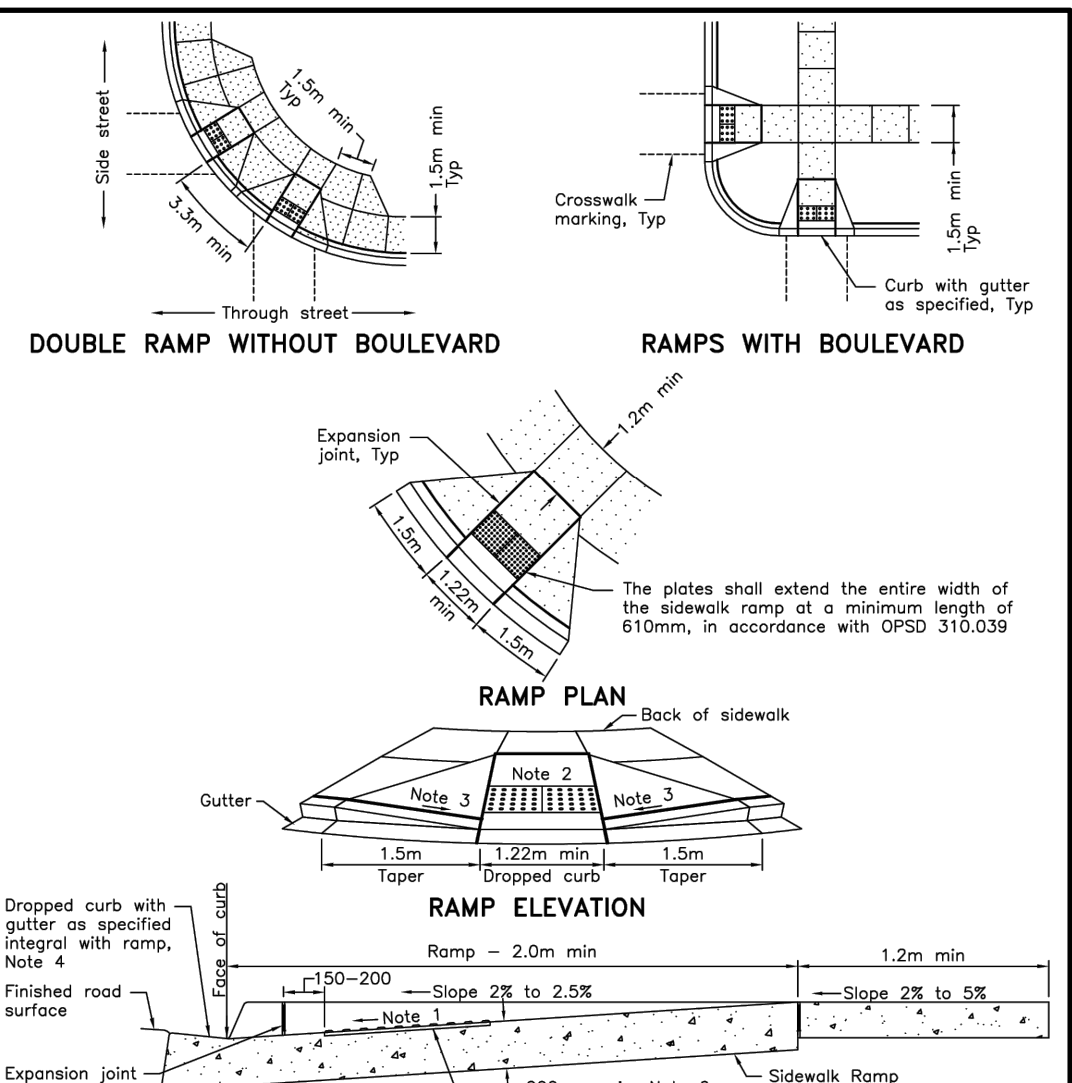
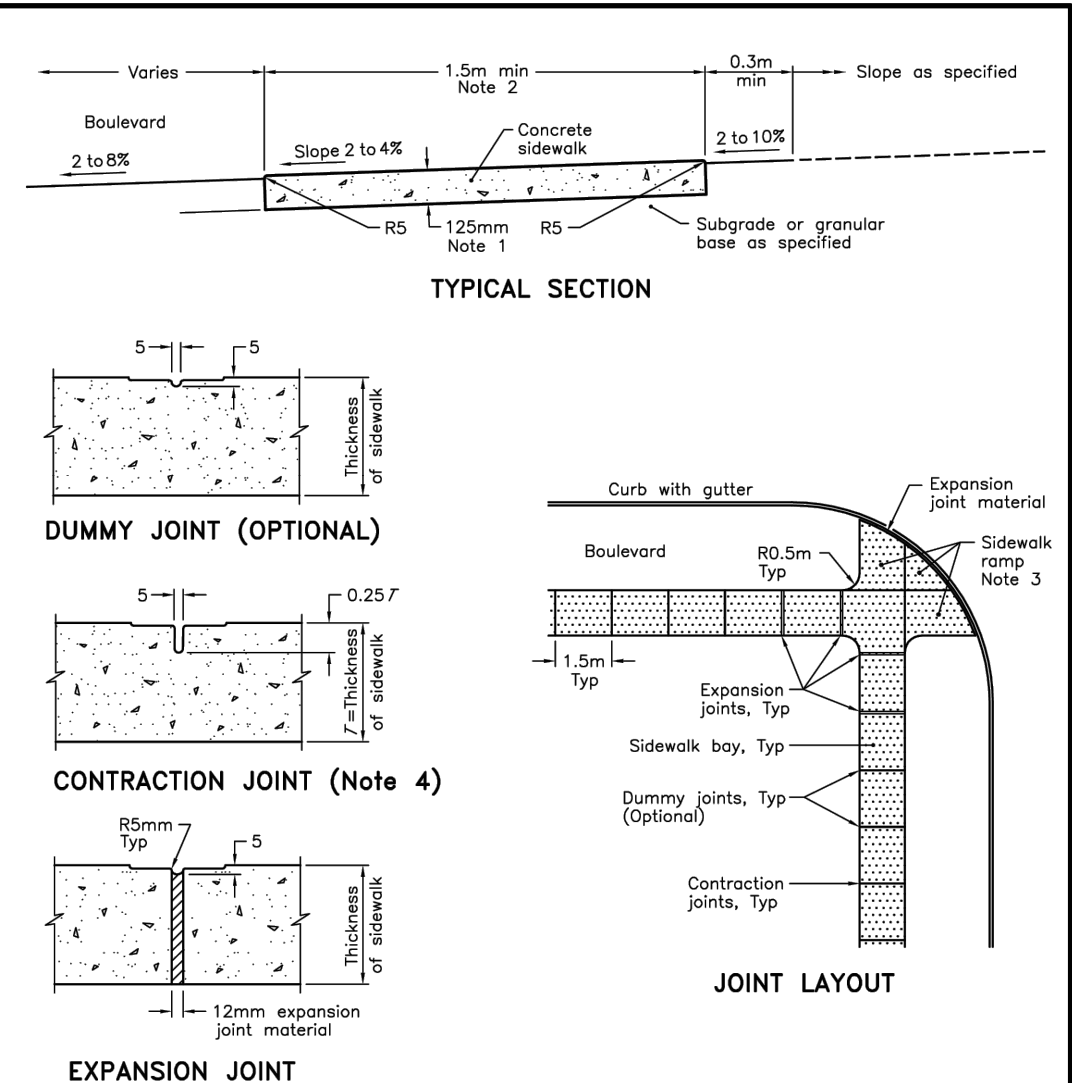
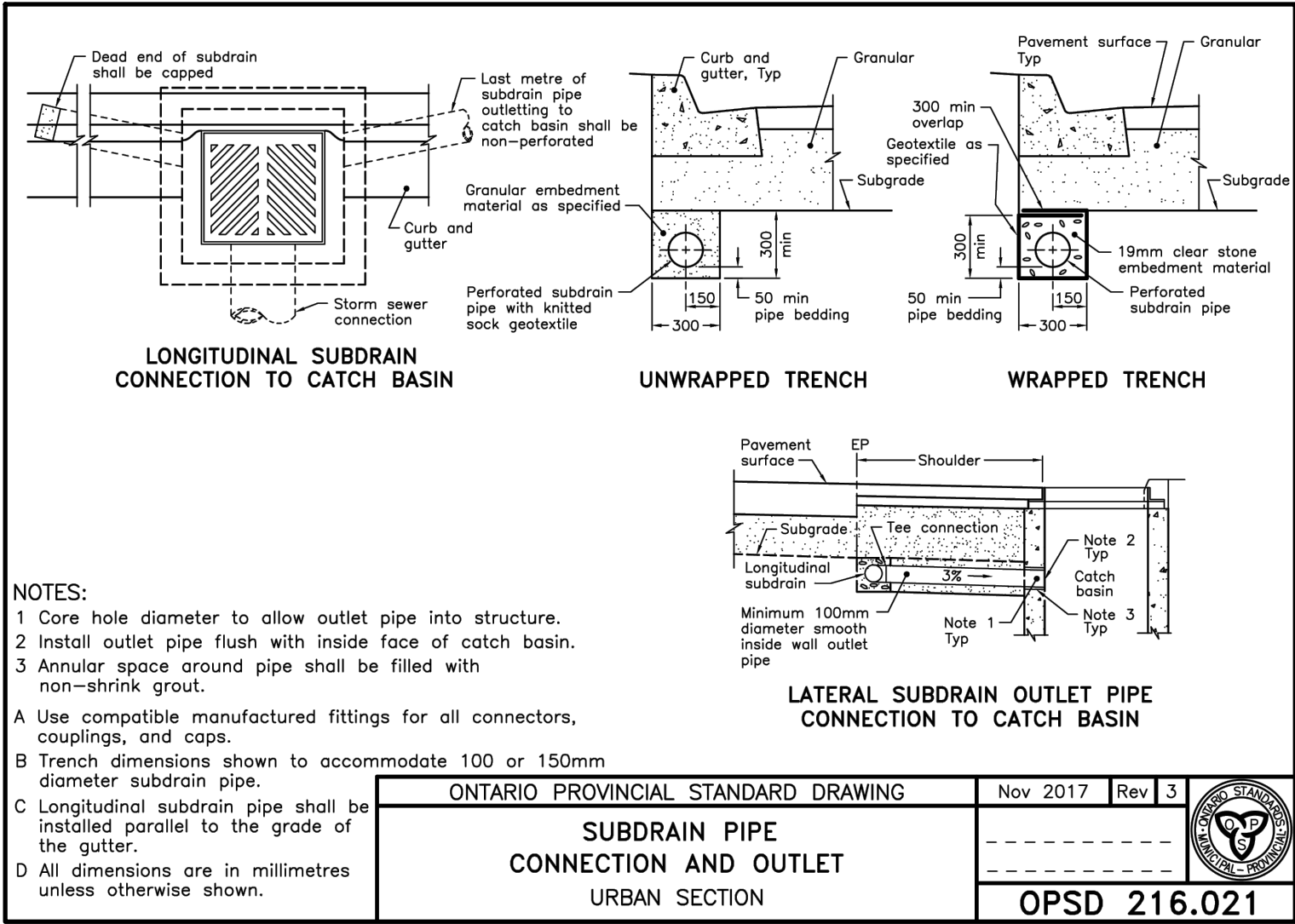
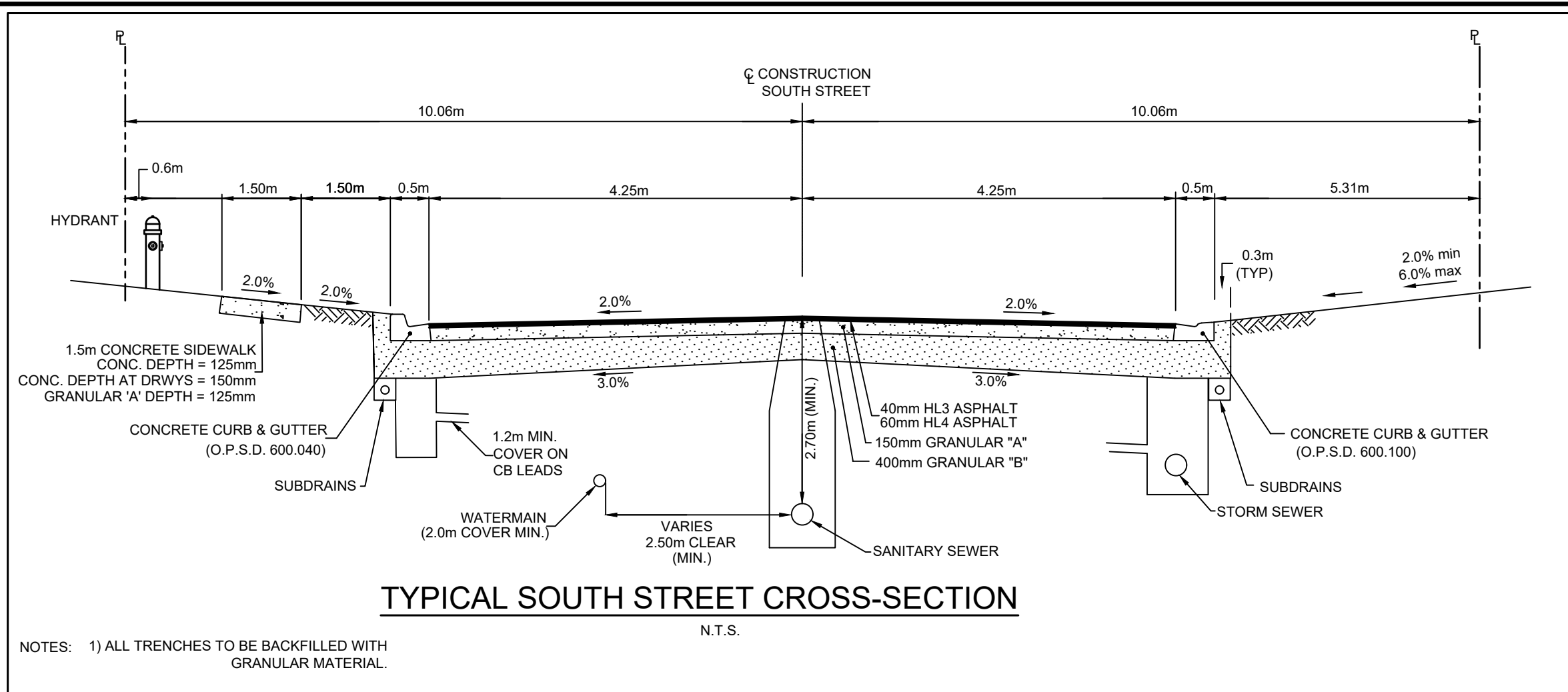
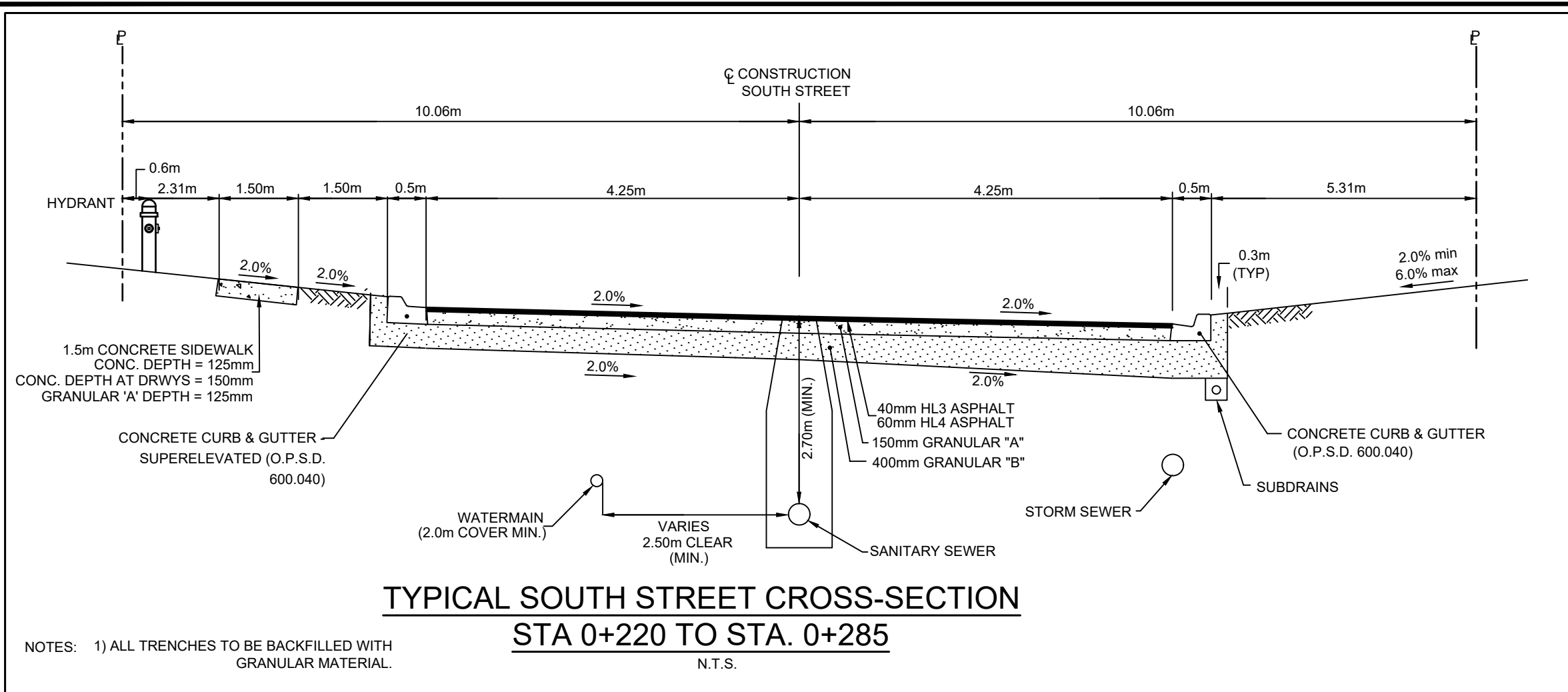
SOUTH ST E & W ROAD RECONSTRUCTION
TOWN OF DURHAM
MUNICIPALITY OF WEST GREY
SOUTH ST PLAN AND PROFILE
STA. 0+345 TO STA. 0+420

Client: MUNICIPALITY OF WEST GREY

Scale: H 1:250 V 1:50

Design: JHL
Drawn: JHL
Checked: TLB
Date: SEPT 2024

DRAWING No. 10129-C7



1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB
No.	DATE	DESCRIPTION	BY	APPD
REVISION / ISSUE				

Seal not valid unless signed and dated

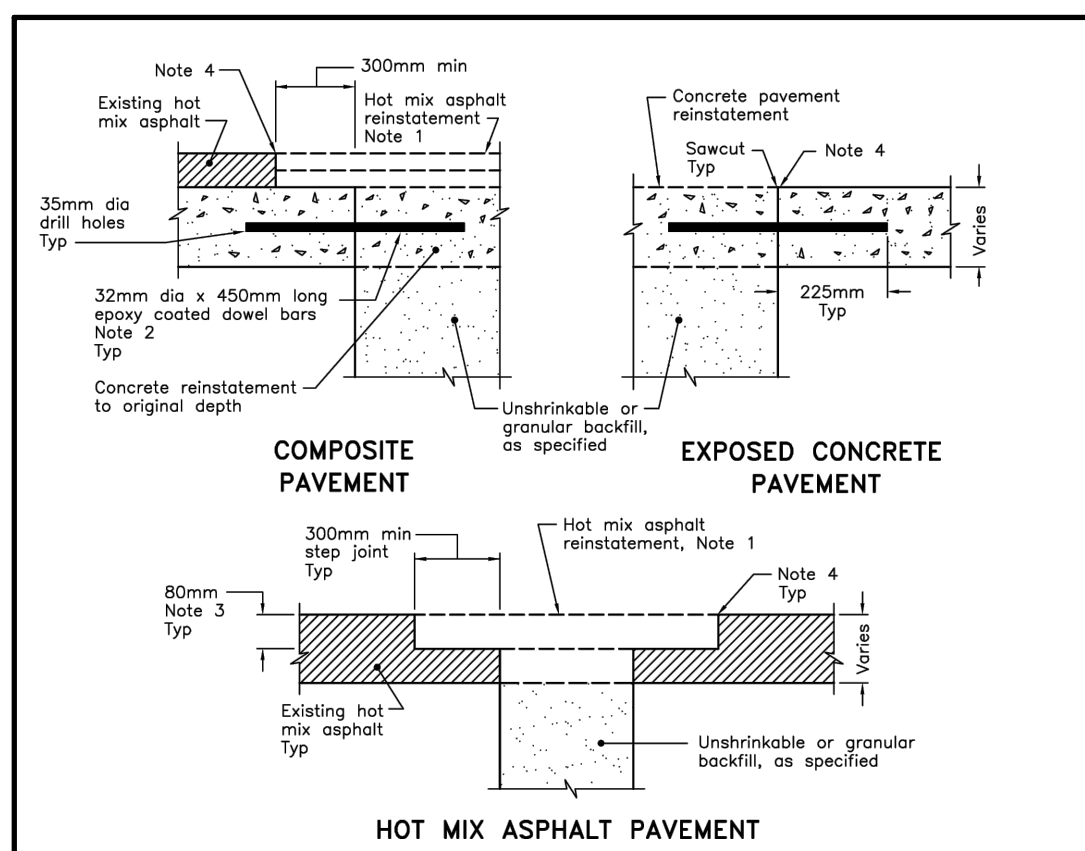
COBIDE ENGINEERING INC.

464A - 10th STREET, Hanover, Ontario N4N 1R1
Telephone: (519) 506-5959
www.cobideeng.com

Title: **SOUTH ST ROAD RECONSTRUCTION
TOWN OF DURHAM
MUNICIPALITY OF WEST GREY
TYPICAL STREET CROSS-SECTIONS
AND MISCELLANEOUS DETAILS 1**

Client: **MUNICIPALITY OF WEST GREY**

Design: JHL Scale: _____
Drawn: JHL Approved: _____
Checked: TLB
Date: SEPT 2024
DRAWING No. 10129-C8 Design Engineer



COMPOSITE PAVEMENT

EXPOSED CONCRETE PAVEMENT

HOT MIX ASPHALT PAVEMENT

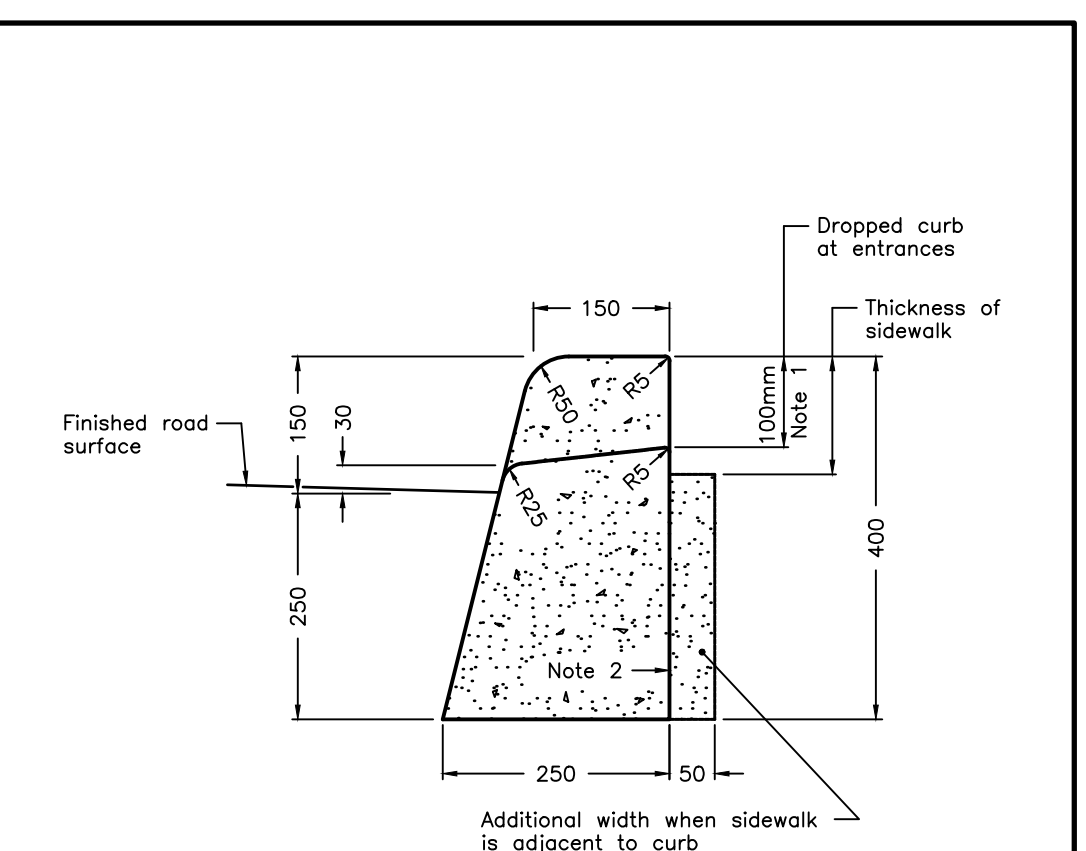
NOTES:

- Hot mix asphalt type and thickness as specified. The surface course shall not be less than 40mm.
- Dowels shall be installed at 300mm intervals along all transverse faces. The dowel bars shall be placed mid-depth of the specified slab thickness and parallel to the longitudinal axis and the horizontal plane of the pavement within the following tolerances:
 - Vertical Alignment: ± 15 mm along the length of the dowel bar.
 - Horizontal Alignment: ± 15 mm along the length of the dowel bar.
 - Side Shift: The centre of the dowel bar shall lie within ± 40 mm from the transverse joint.
- The bars shall be installed at 600mm intervals along all longitudinal faces and shall be aligned perpendicular to the longitudinal axis of the pavement. The tie bars shall be installed within a tolerance of ± 15 mm from the specified depth. Where reinforcement is present, dowel and tie bars may be adjusted 25mm horizontally and raised or lowered 10mm to avoid drilling reinforcement.
- All dowels and tie bars shall be set with epoxy grout.
- If the total pavement thickness is less than 80mm, step joint is not required.
- Joint treatment as specified.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2020 Rev 3

PAVEMENT REINSTATEMENT FOR UTILITY CUTS

OPSD 509.010



CONCRETE BARRIER CURB

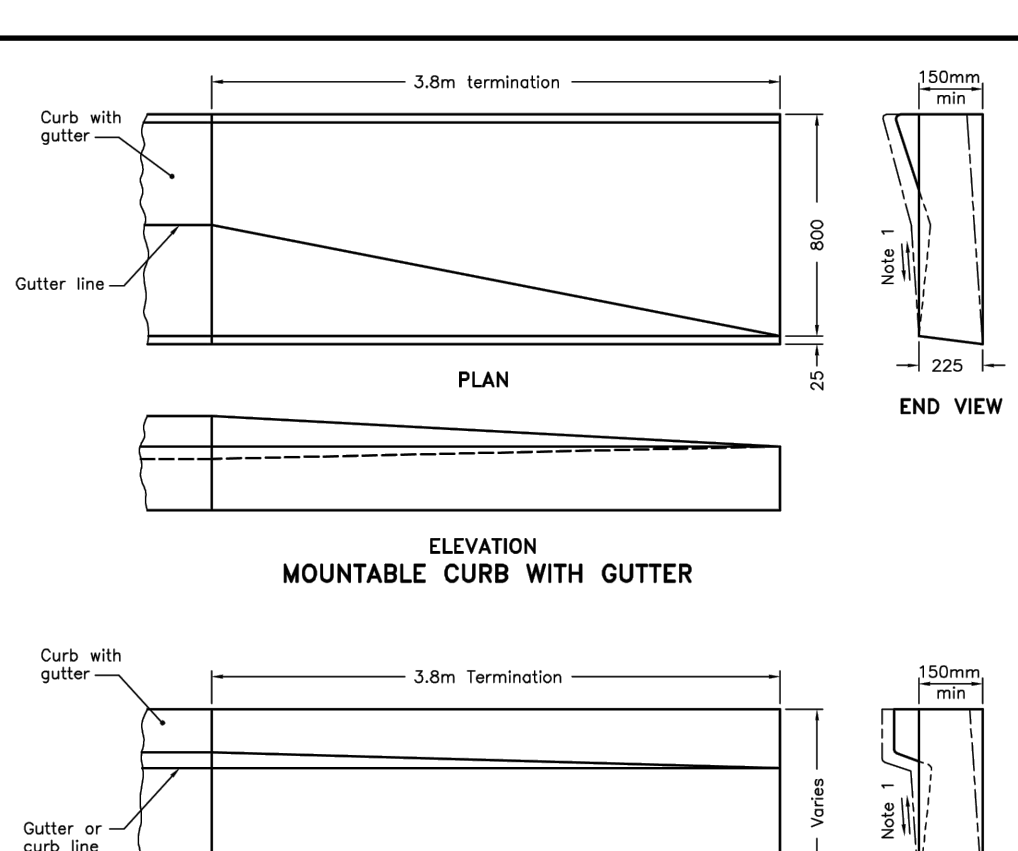
NOTES:

- When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
- For sloping procedure a 5% batter is acceptable.
- Treatment at entrances shall be according to OPSD 351.010.
- Outlet treatment shall be according to the OPSD 610 Series.
- The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2012 Rev 2

CONCRETE BARRIER CURB

OPSD 600.110



METHOD OF TERMINATION FOR CONCRETE CURB WITH GUTTER

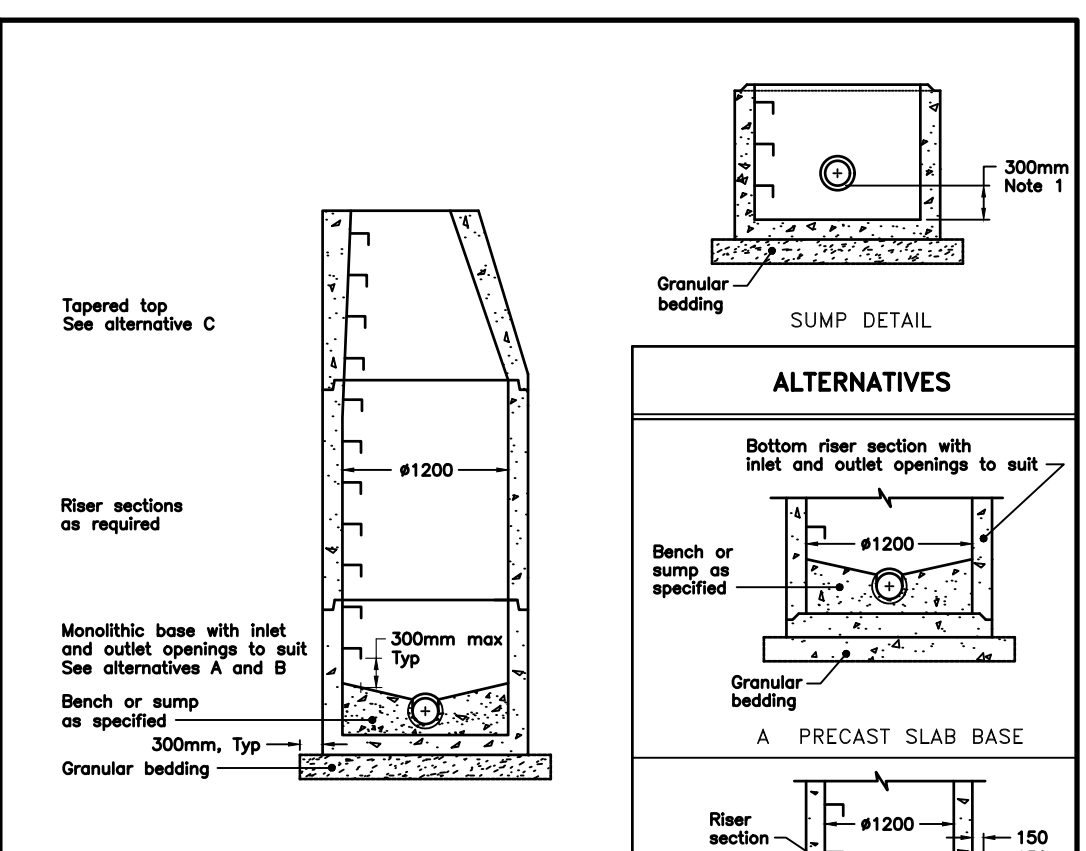
NOTES:

- Slope shall match existing shoulder.
- This drawing shall be read in conjunction with OPSD 600 series curb with gutter drawings.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2012 Rev 2

METHOD OF TERMINATION FOR CONCRETE CURB WITH GUTTER

OPSD 608.010



PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER

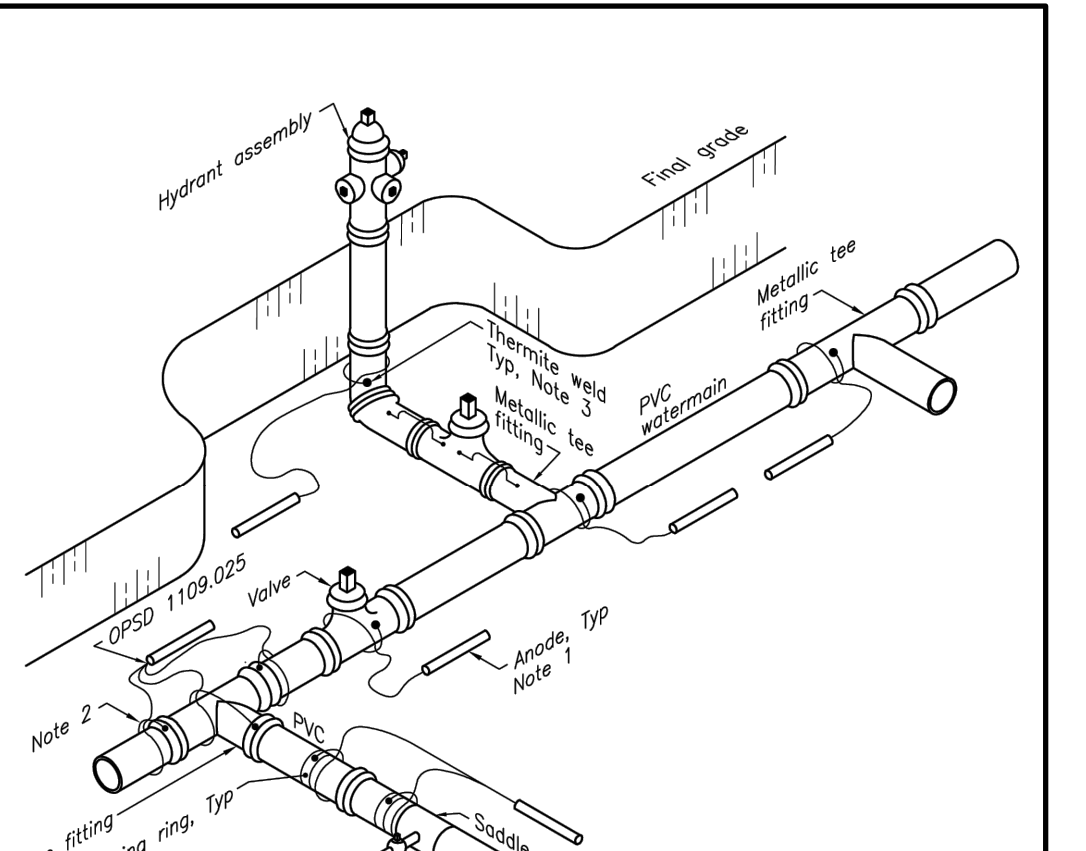
NOTES:

- The sump is measured from the lowest invert.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, or 701.032.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 708.020.
- Pipe support shall be according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- 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



CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS

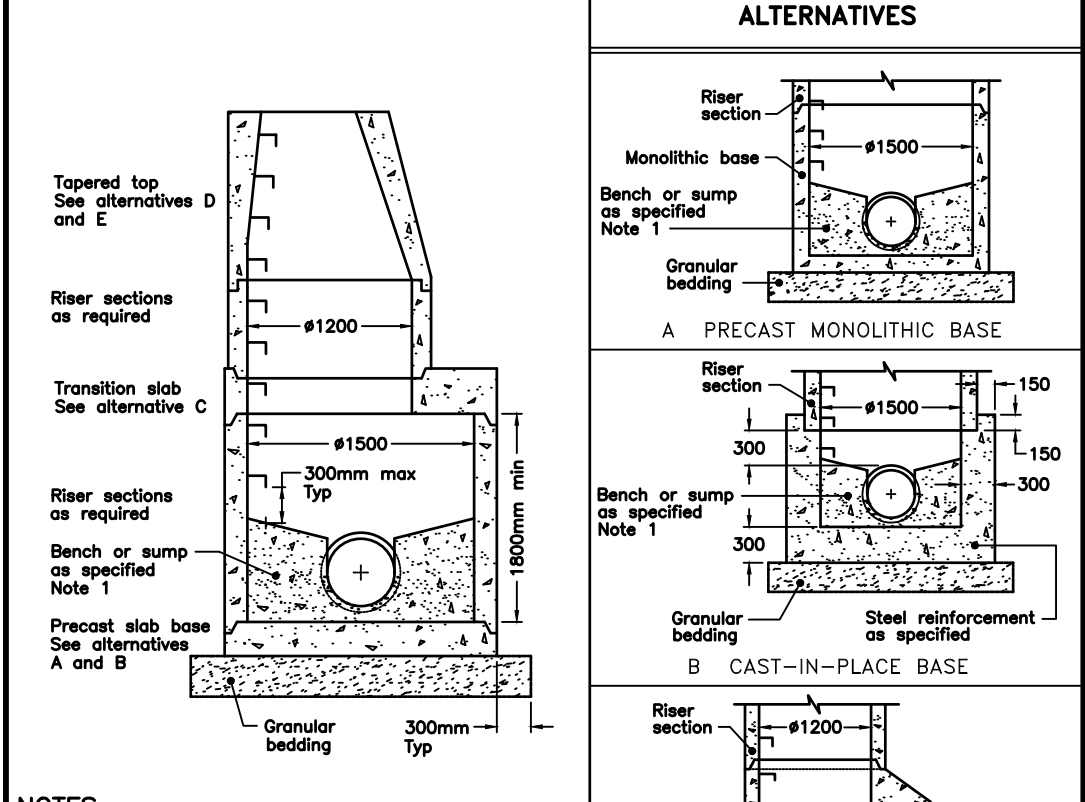
NOTES:

- Anode shall be placed at least 1.0m away from the water system pipe and appurtenances and as deep as the bottom of the pipe and appurtenances or as specified in Contract Documents.
- Anode connecting wire shall be loosely wrapped around pipes and fittings and knotted.
- Protective coating shall be applied to all thermite welds.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2020 Rev 3

CATHODIC PROTECTION FOR PVC WATERMAIN SYSTEMS

OPSD 1109.011



PRECAST CONCRETE MAINTENANCE HOLE 1500mm DIAMETER

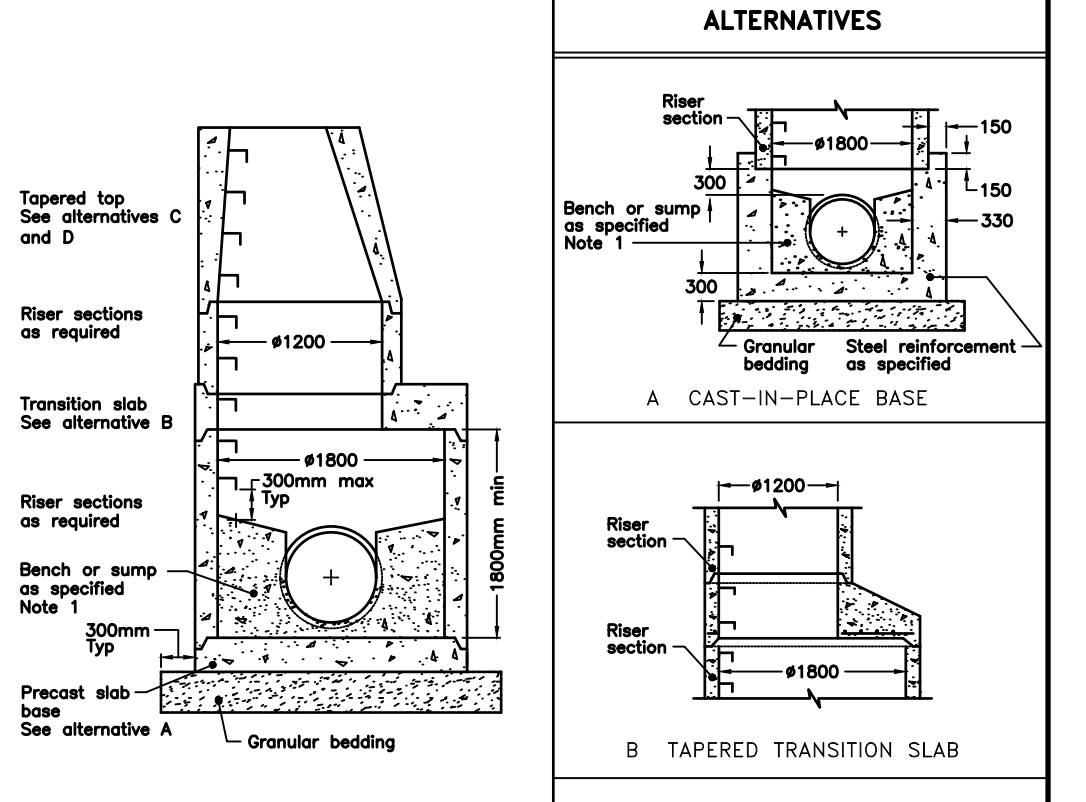
NOTES:

- For sump detail, see OPSD 701.010.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, 701.032, 701.041, 703.011, 703.021, and 706.010.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020 or 404.021.
- Pipe support shall be according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5

PRECAST CONCRETE MAINTENANCE HOLE 1500mm DIAMETER

OPSD 701.011



PRECAST CONCRETE MAINTENANCE HOLE 1800mm DIAMETER

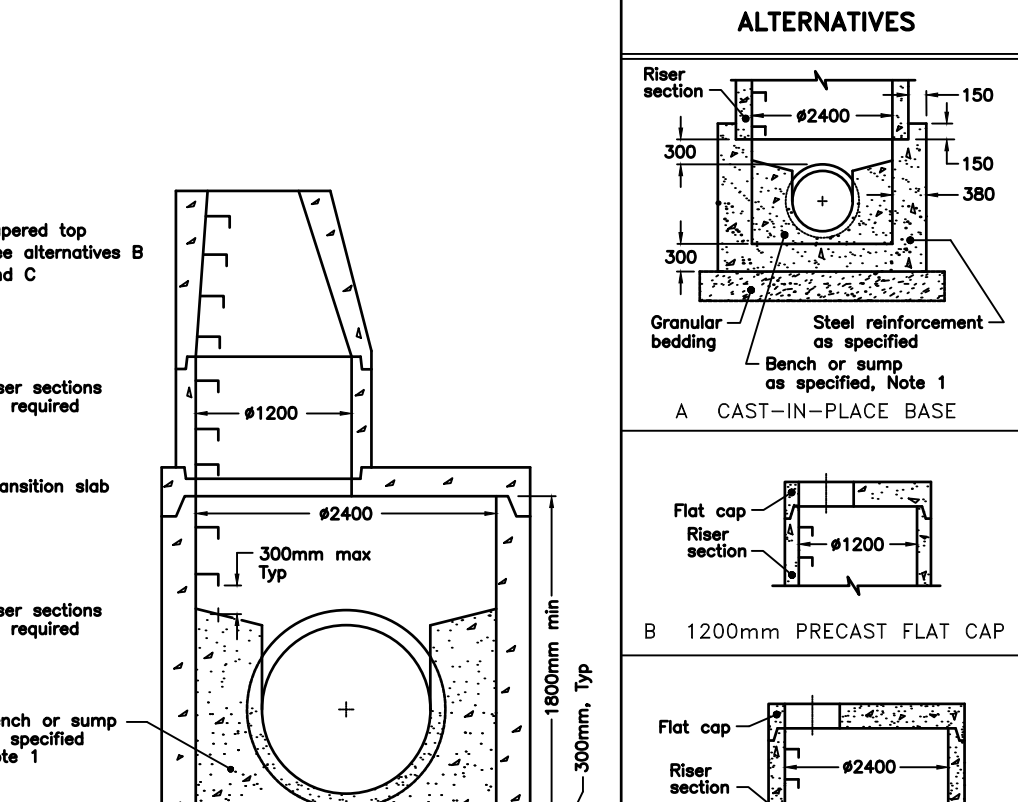
NOTES:

- For sump detail, see OPSD 701.010.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, 701.050, 701.051, 703.012, 703.022, and 706.020.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020 or 404.022.
- Pipe support shall be according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5

PRECAST CONCRETE MAINTENANCE HOLE 1800mm DIAMETER

OPSD 701.012



PRECAST CONCRETE MAINTENANCE HOLE 2400mm DIAMETER

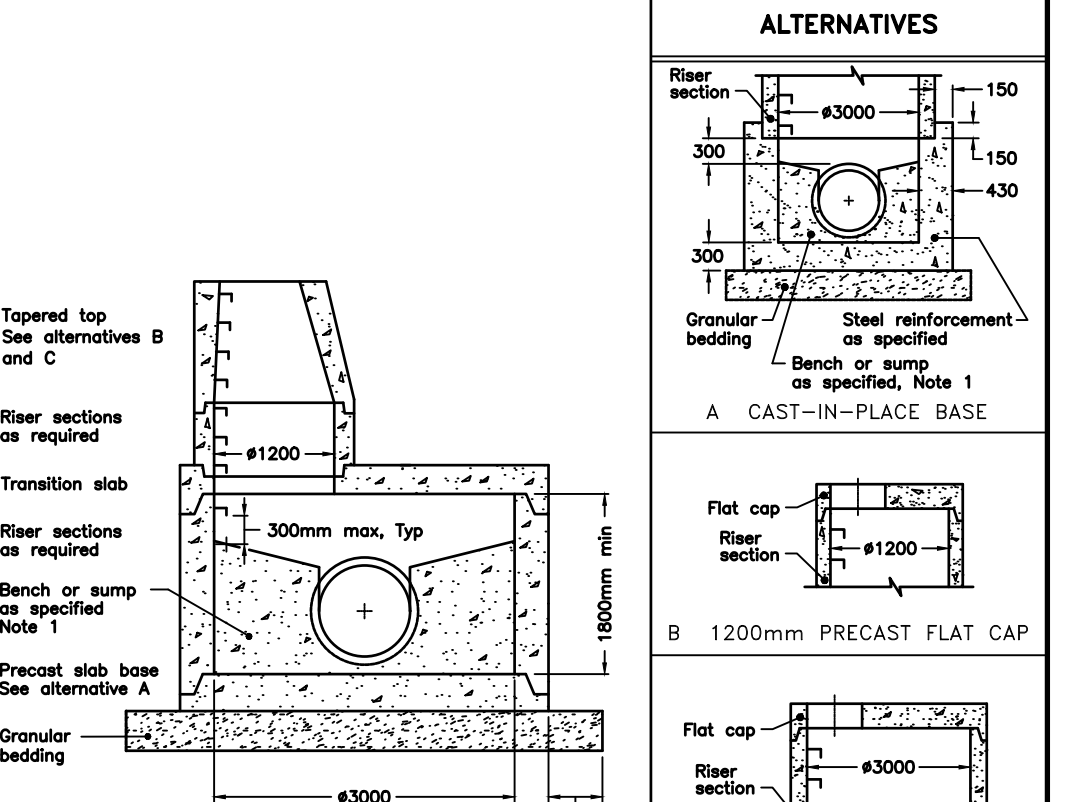
NOTES:

- For sump detail, see OPSD 701.010.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, 701.060, 701.061, 703.013, 703.023, 706.030 and 706.031.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
- Pipe support shall be according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5

PRECAST CONCRETE MAINTENANCE HOLE 2400mm DIAMETER

OPSD 701.013



PRECAST CONCRETE MAINTENANCE HOLE 3000mm DIAMETER

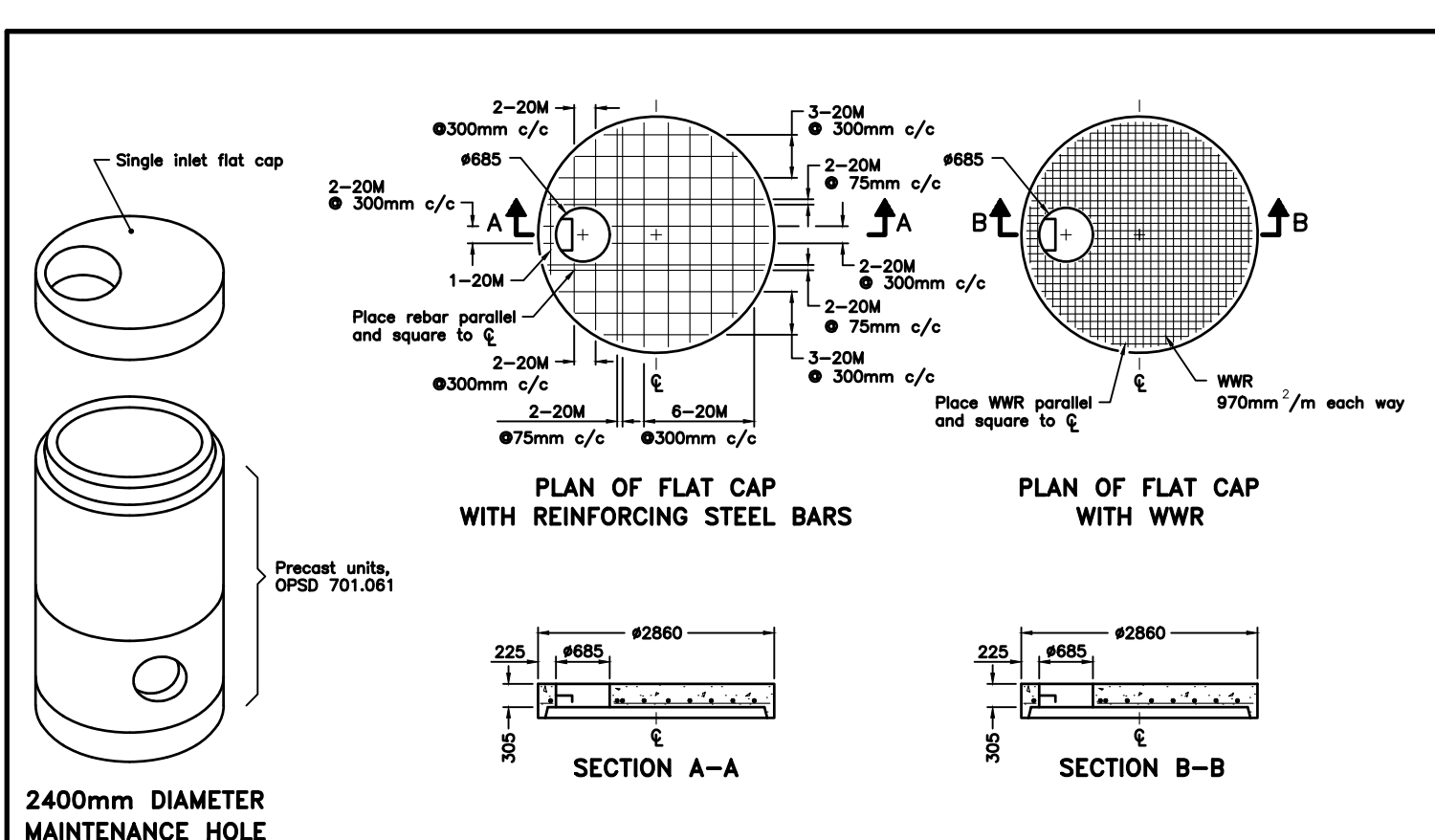
NOTES:

- For sump detail, see OPSD 701.010.
- Granular backfill shall be placed to a minimum thickness of 300mm all around the maintenance hole.
- Precast concrete components shall be according to OPSD 701.030, 701.031, 701.070, 701.071, 703.014, 703.024, 706.040 and 706.041.
- Structure exceeding 5.0m in depth shall include safety platform according to OPSD 404.020.
- Pipe support shall be according to OPSD 708.020.
- For benching and pipe opening details, see OPSD 704.021.
- For adjustment unit and frame installation, see OPSD 704.010.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 4

PRECAST CONCRETE MAINTENANCE HOLE 3000mm DIAMETER

OPSD 701.014



PRECAST CONCRETE SINGLE INLET FLAT CAP 2400mm DIAMETER

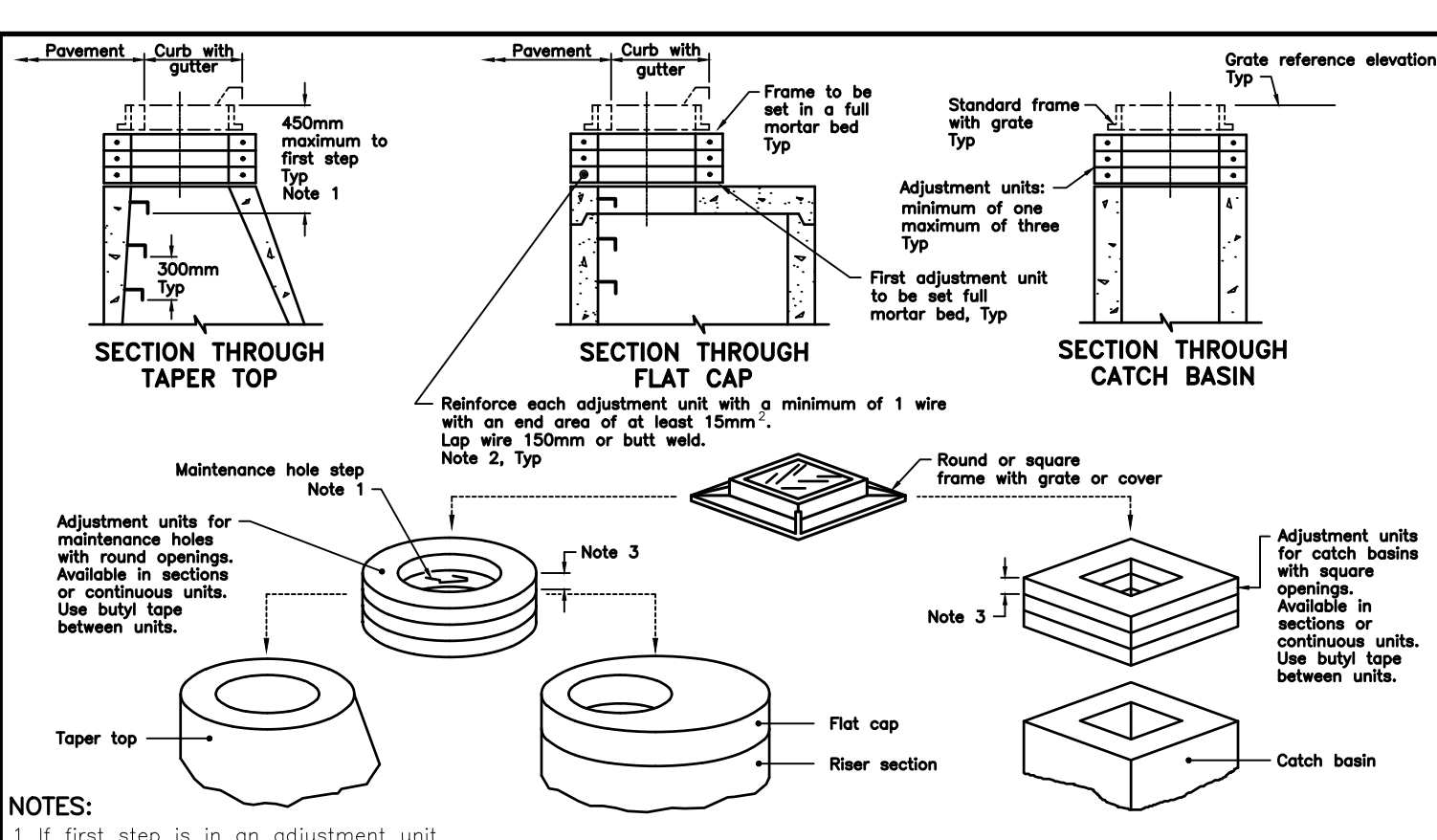
NOTES:

- All reinforcing steel shall have 25mm minimum cover.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 2

PRECAST CONCRETE SINGLE INLET FLAT CAP 2400mm DIAMETER

OPSD 703.013



PRECAST CONCRETE ADJUSTMENT UNITS FOR MAINTENANCE HOLES, CATCH BASINS, AND VALVE CHAMBERS

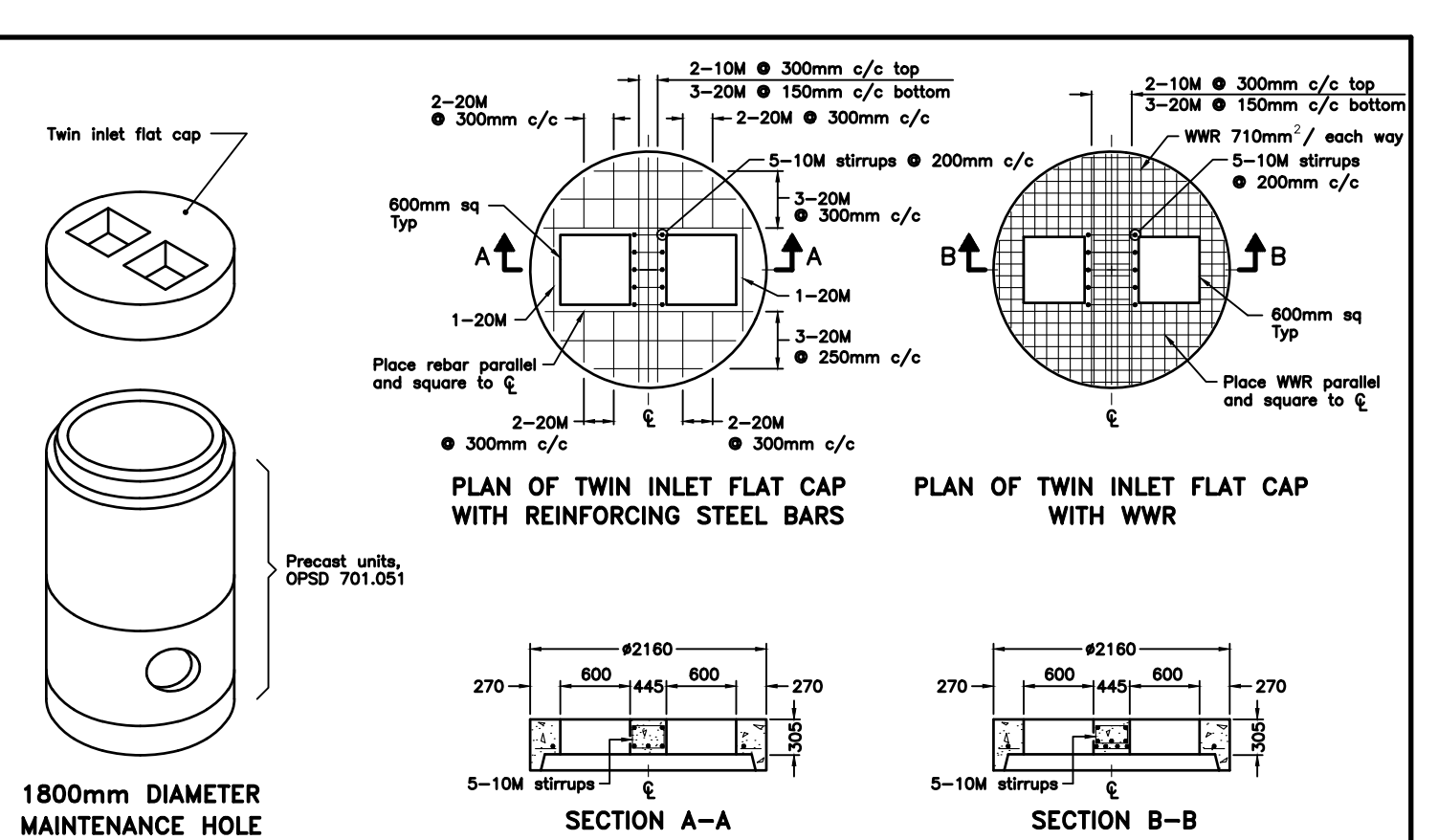
NOTES:

- If first step is in an adjustment unit, the adjustment unit shall be of the type manufactured with a step in place.
- Centre reinforcing in adjustment unit ± 10 mm.
- Round and square adjustment units are available in sizes of 50, 75, 100, 150, and 300mm.
- Adjustment units shall not extend beyond the outside edge of the structure.
- 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



PRECAST CONCRETE TWIN INLET FLAT CAP 1800mm DIAMETER

NOTES:

- All reinforcing steel shall have 25mm minimum cover.
- All dimensions are nominal.
- All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 2

PRECAST CONCRETE TWIN INLET FLAT CAP 1800mm DIAMETER

OPSD 703.022

No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB

REVISION / ISSUE

Seal not valid unless signed and dated

COBIDE ENGINEERING INC

464 - 10th STREET, Hanover, Ontario N4N 1R1
Telephone: (519) 506-5959
www.cobideeng.com

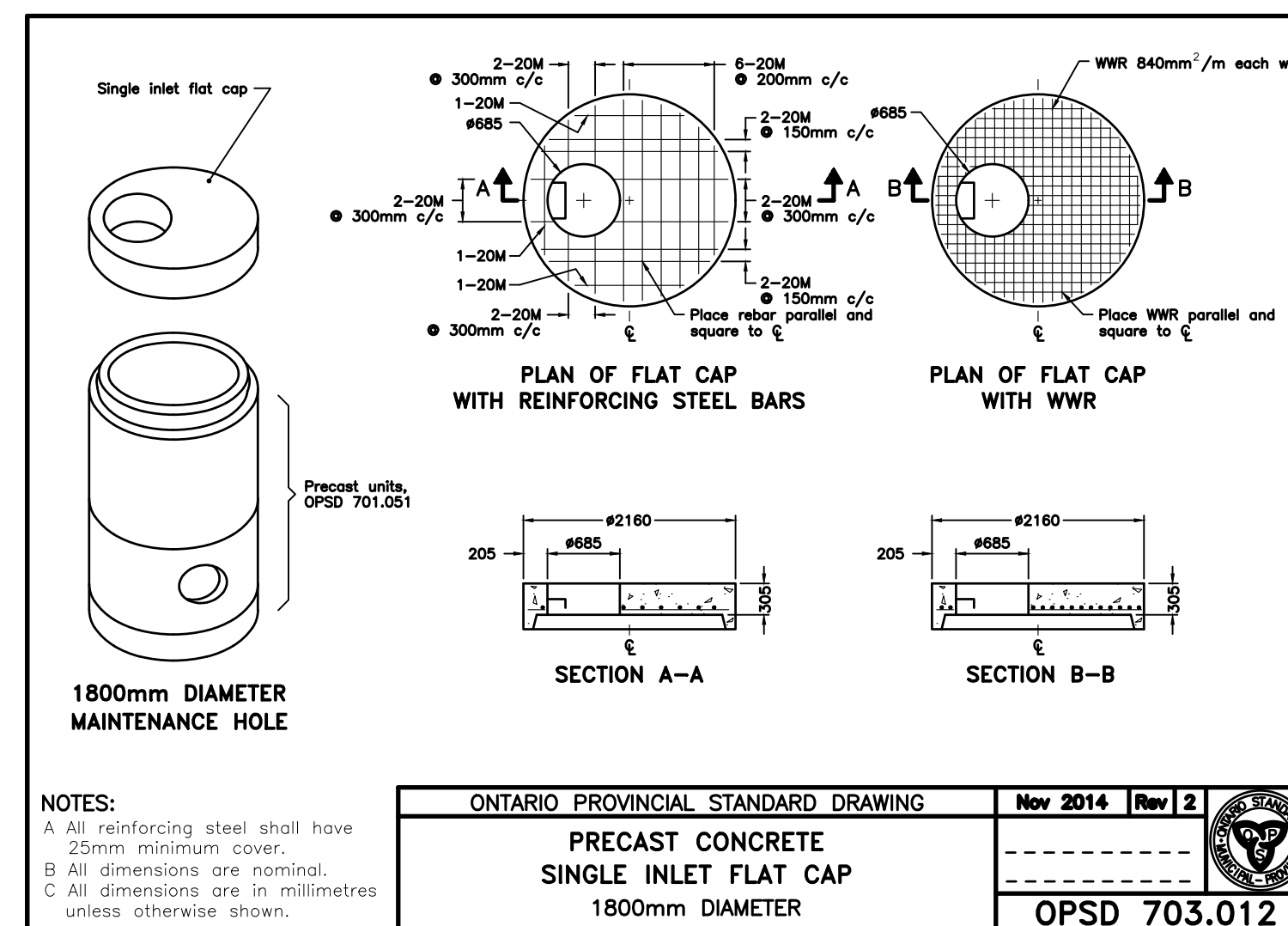
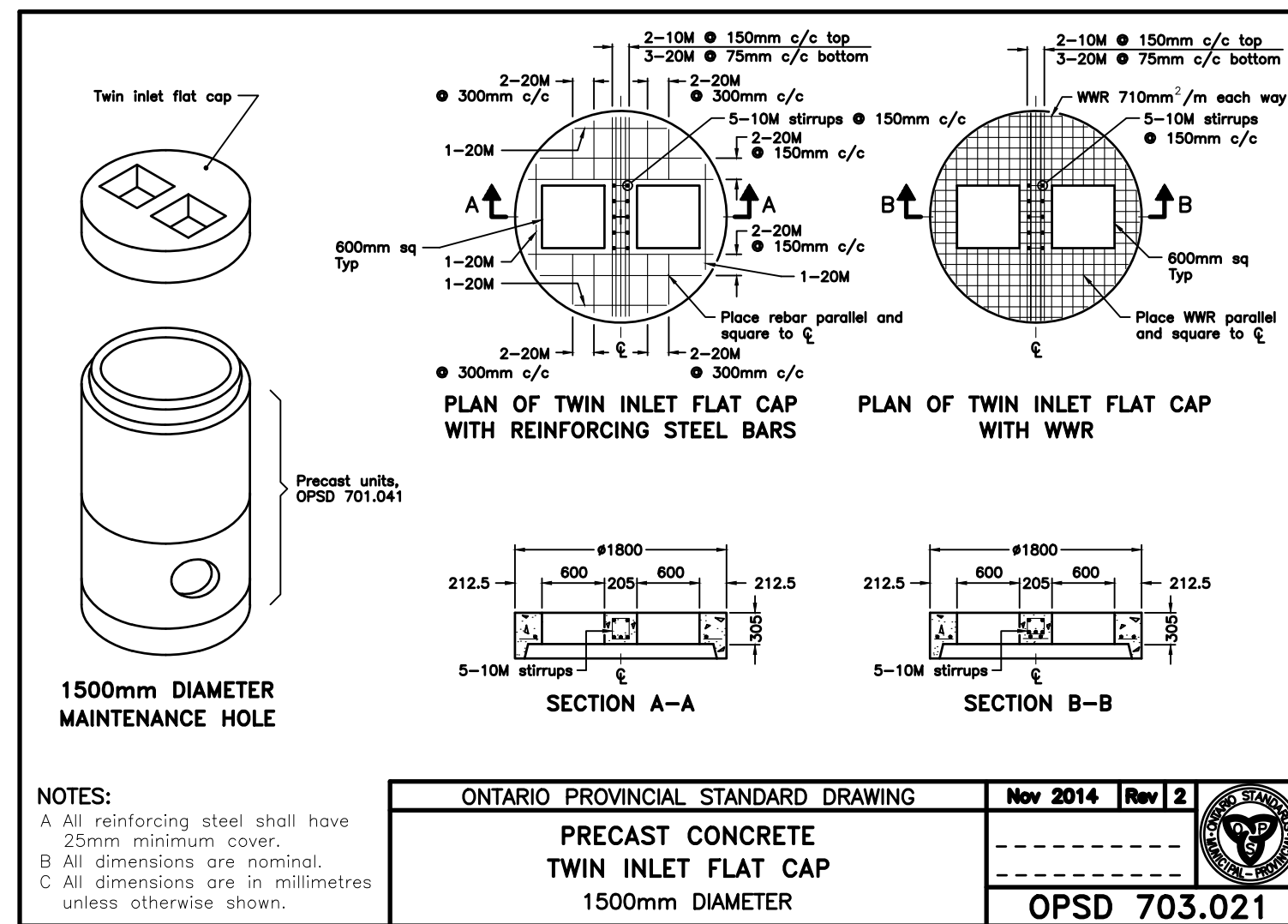
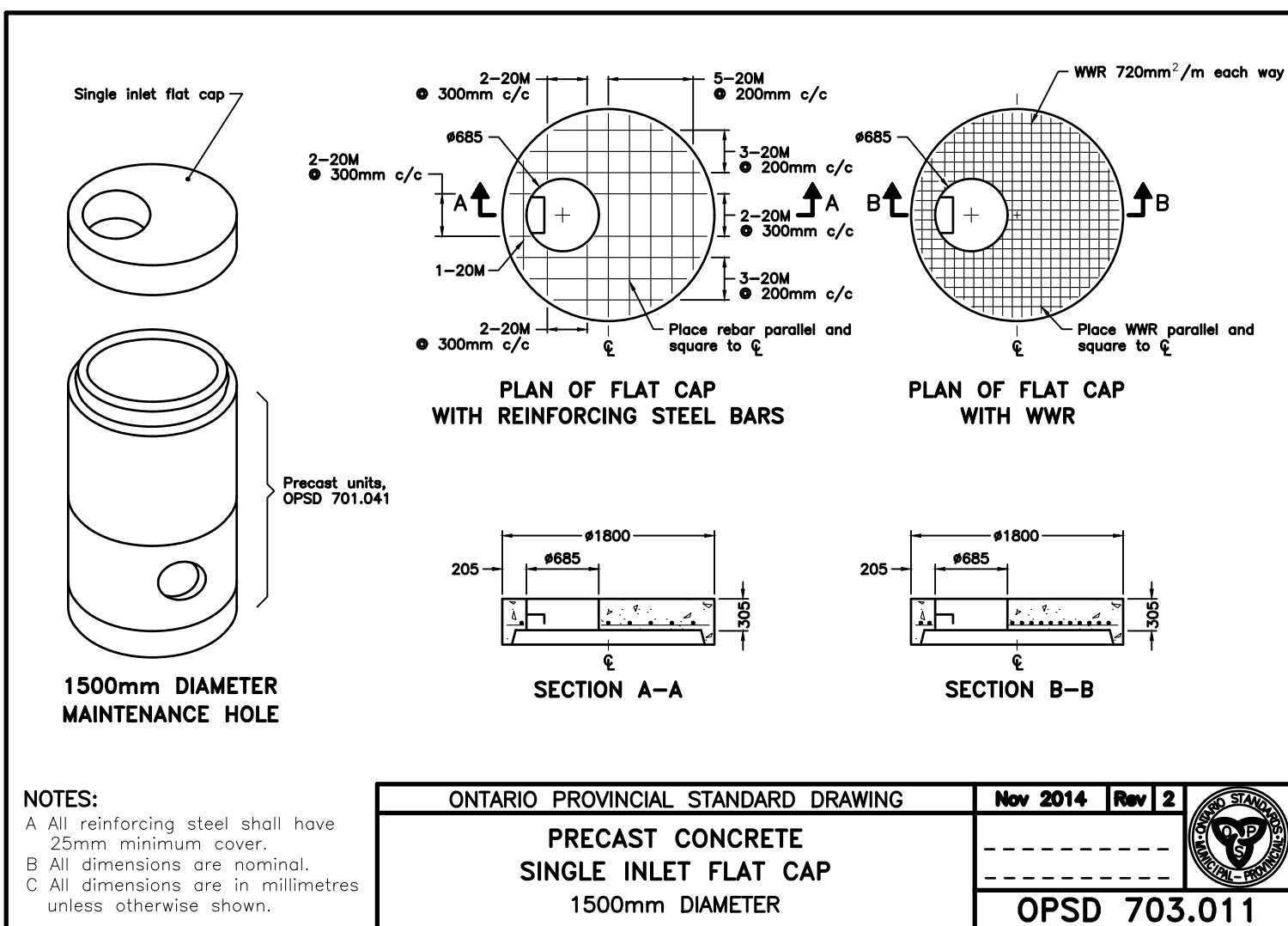
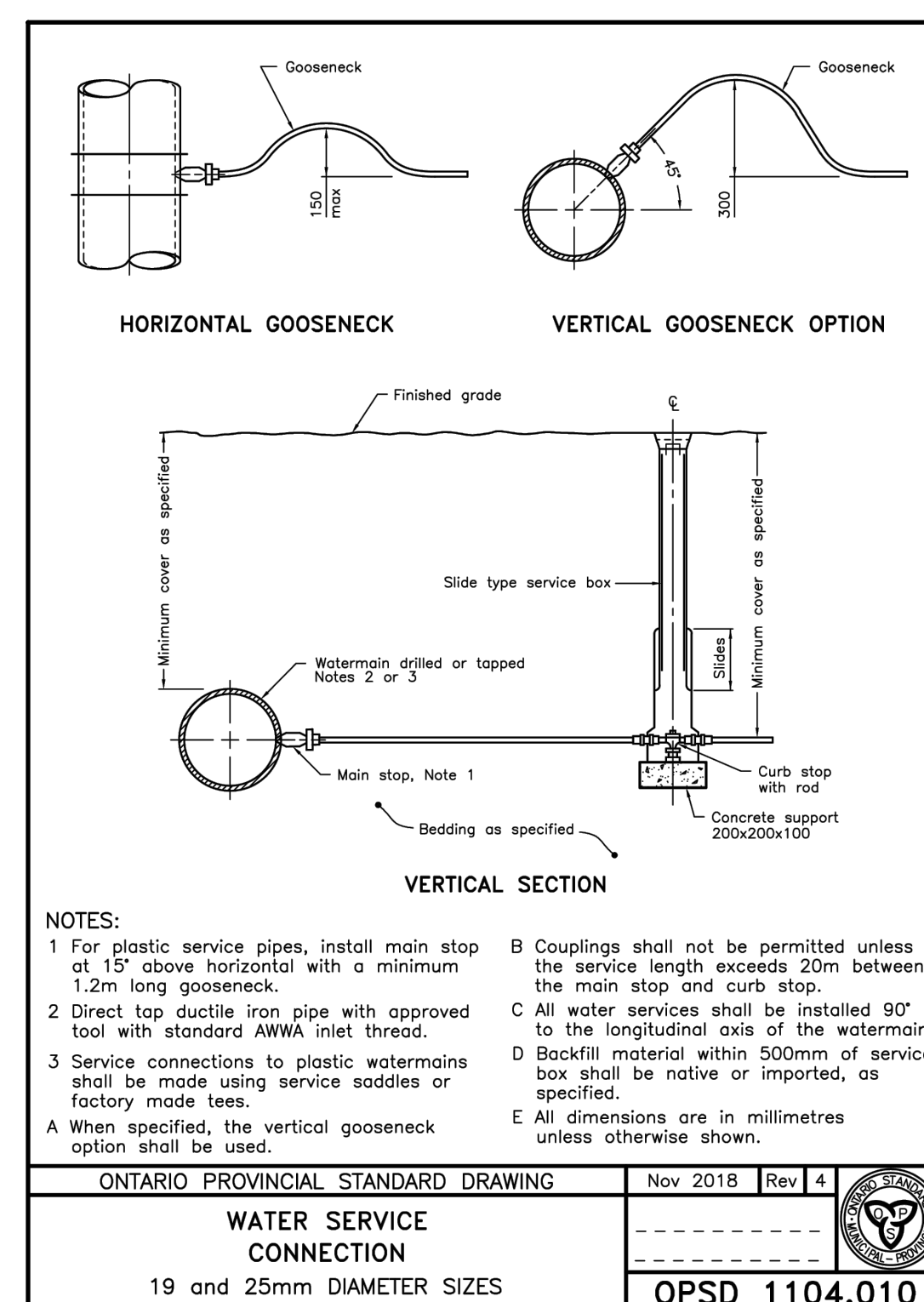
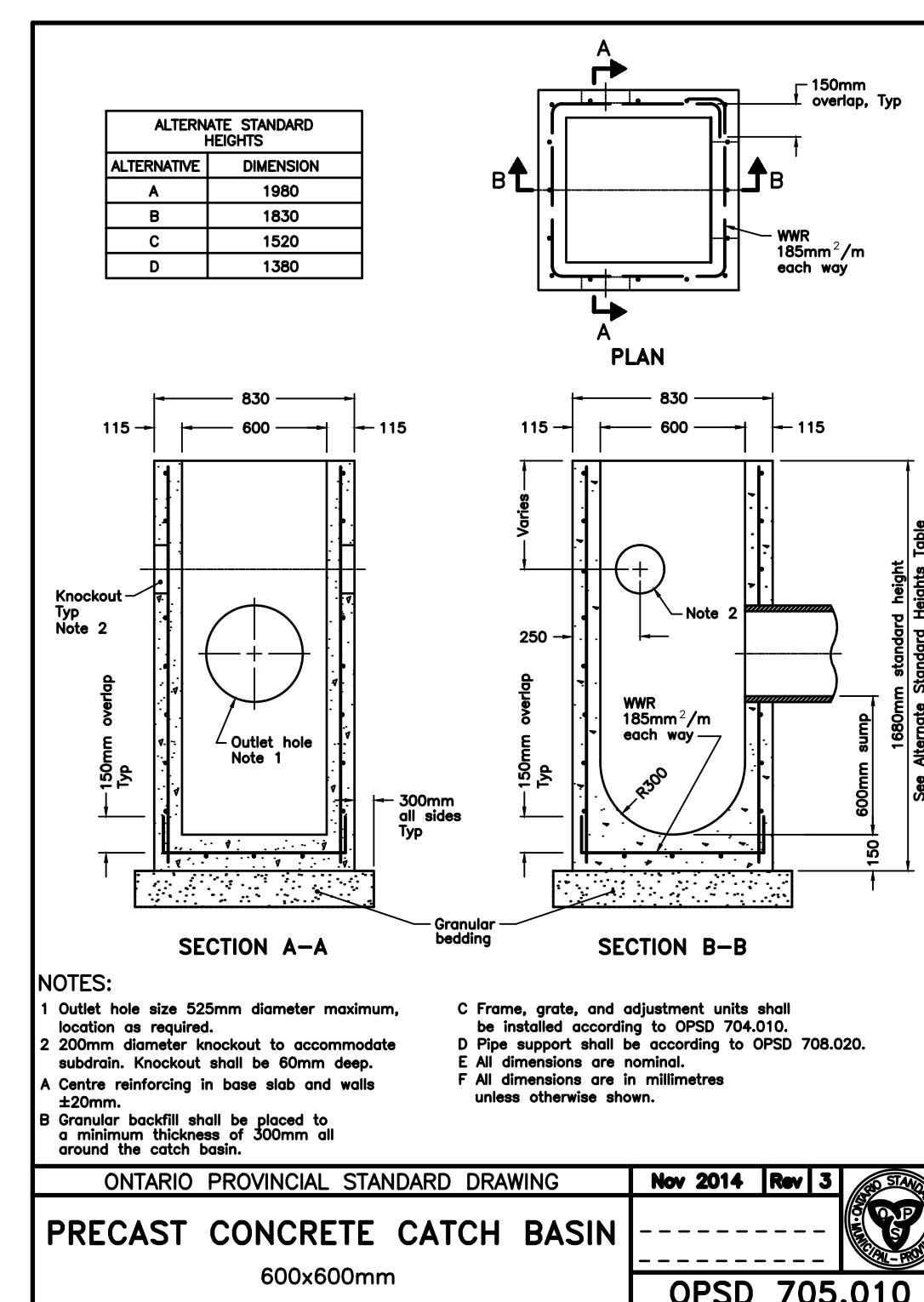
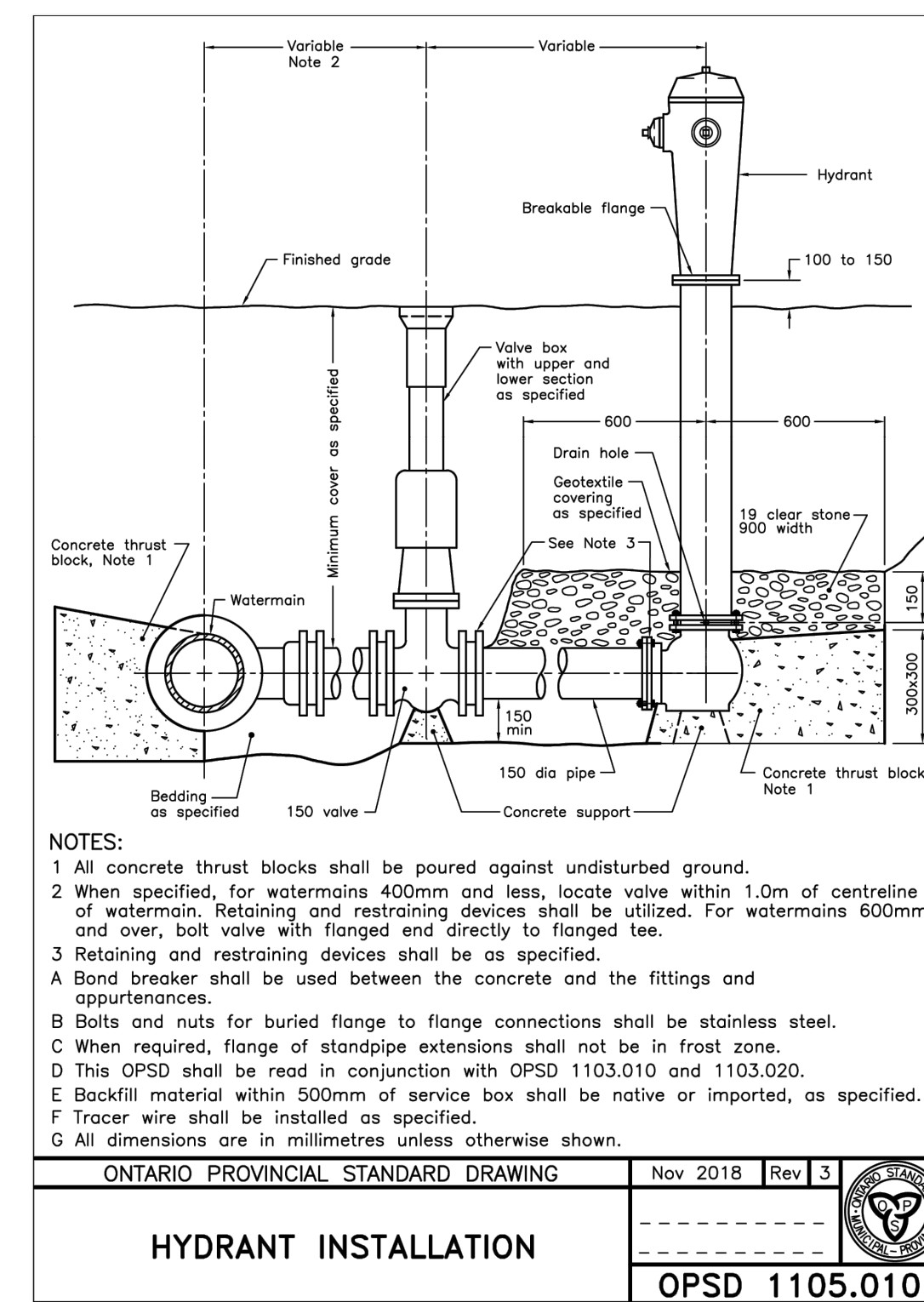
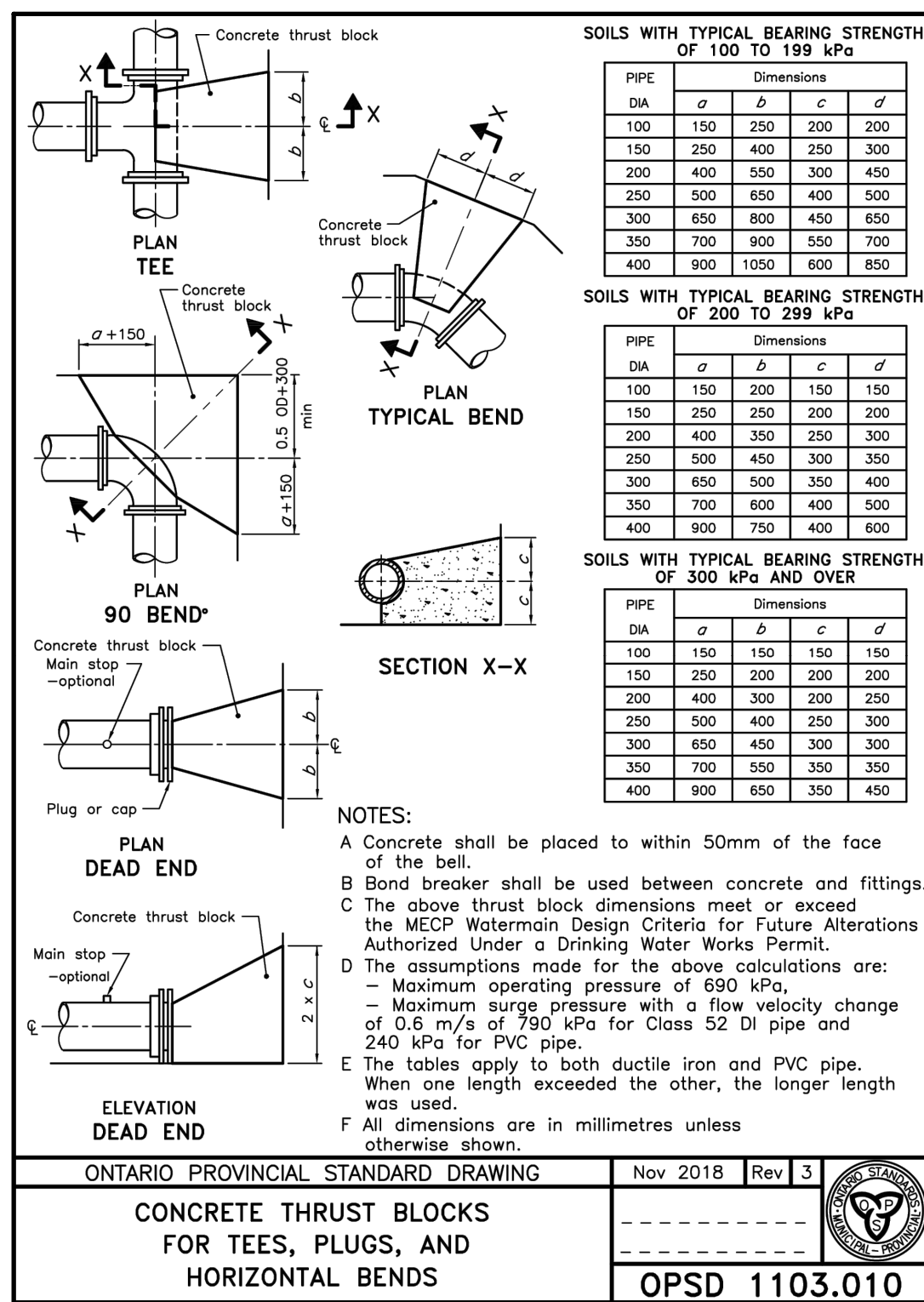
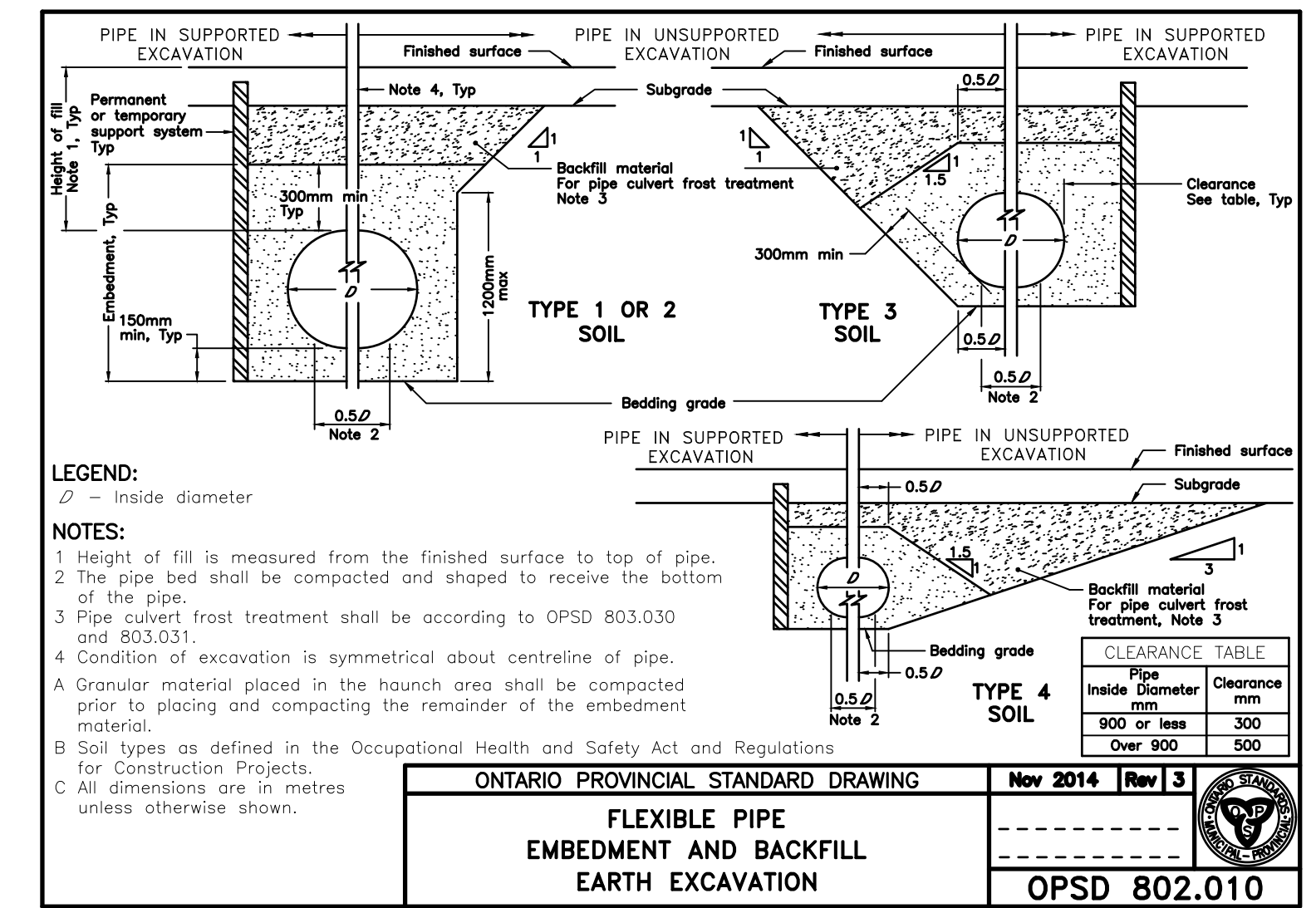
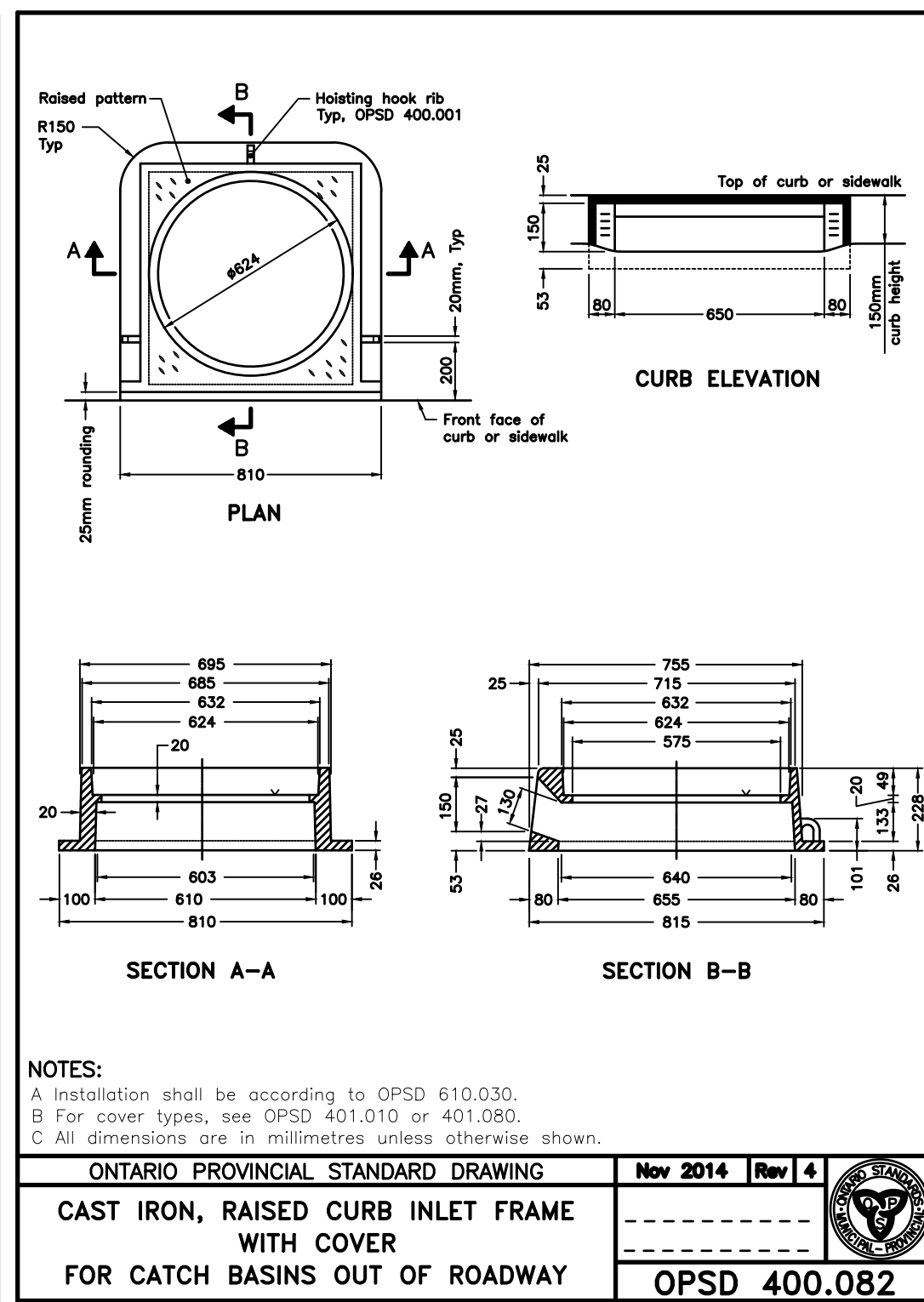
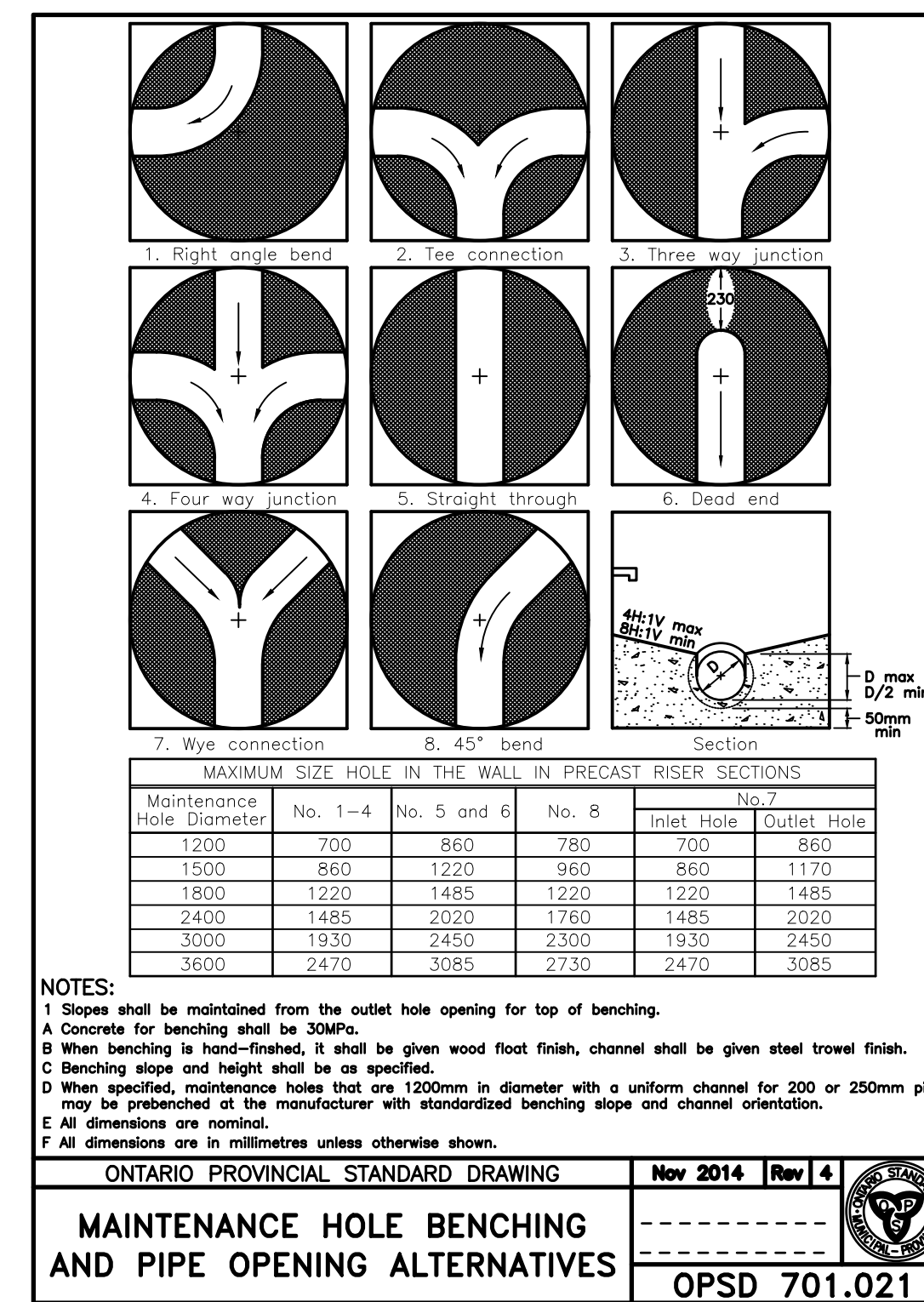
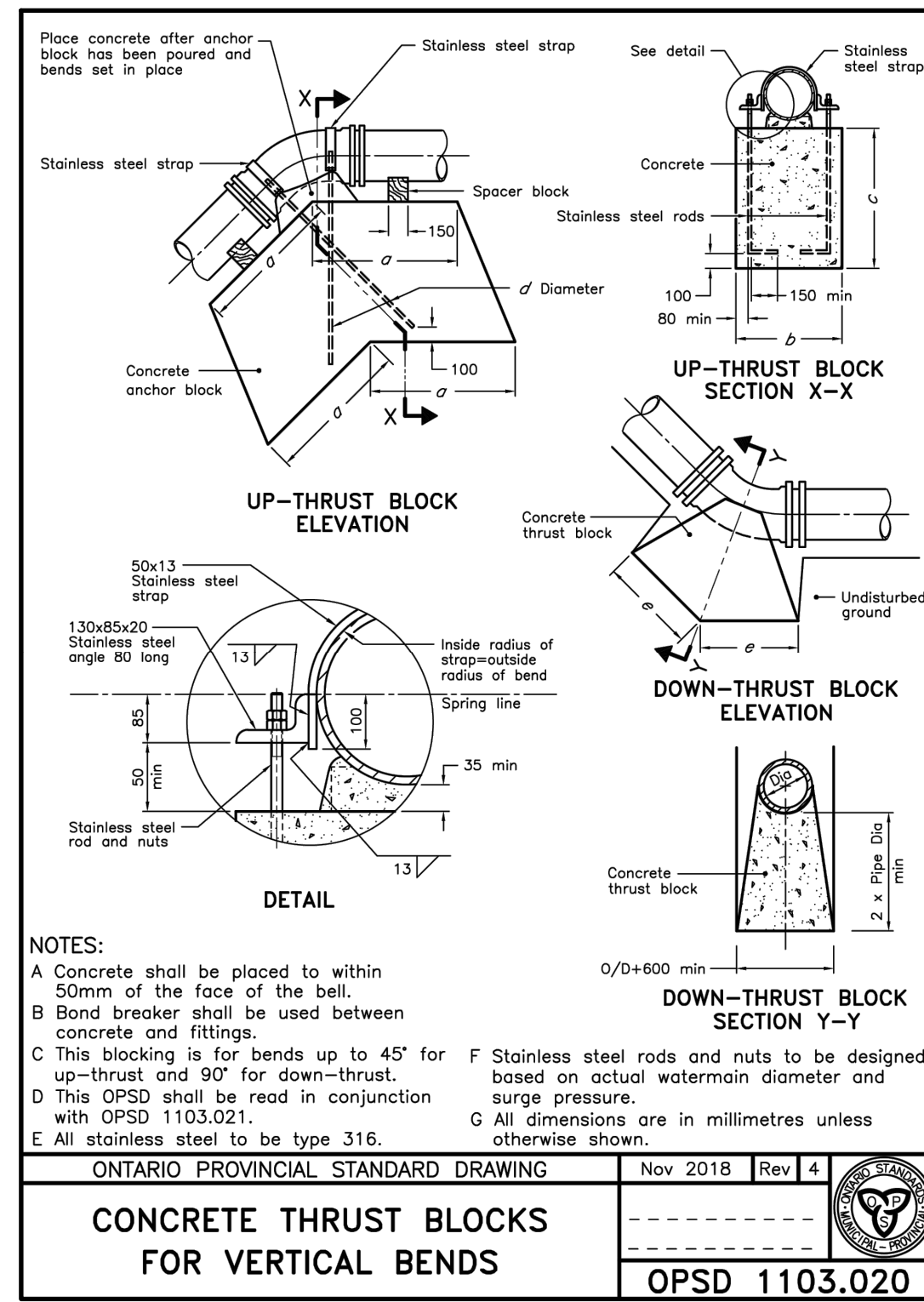
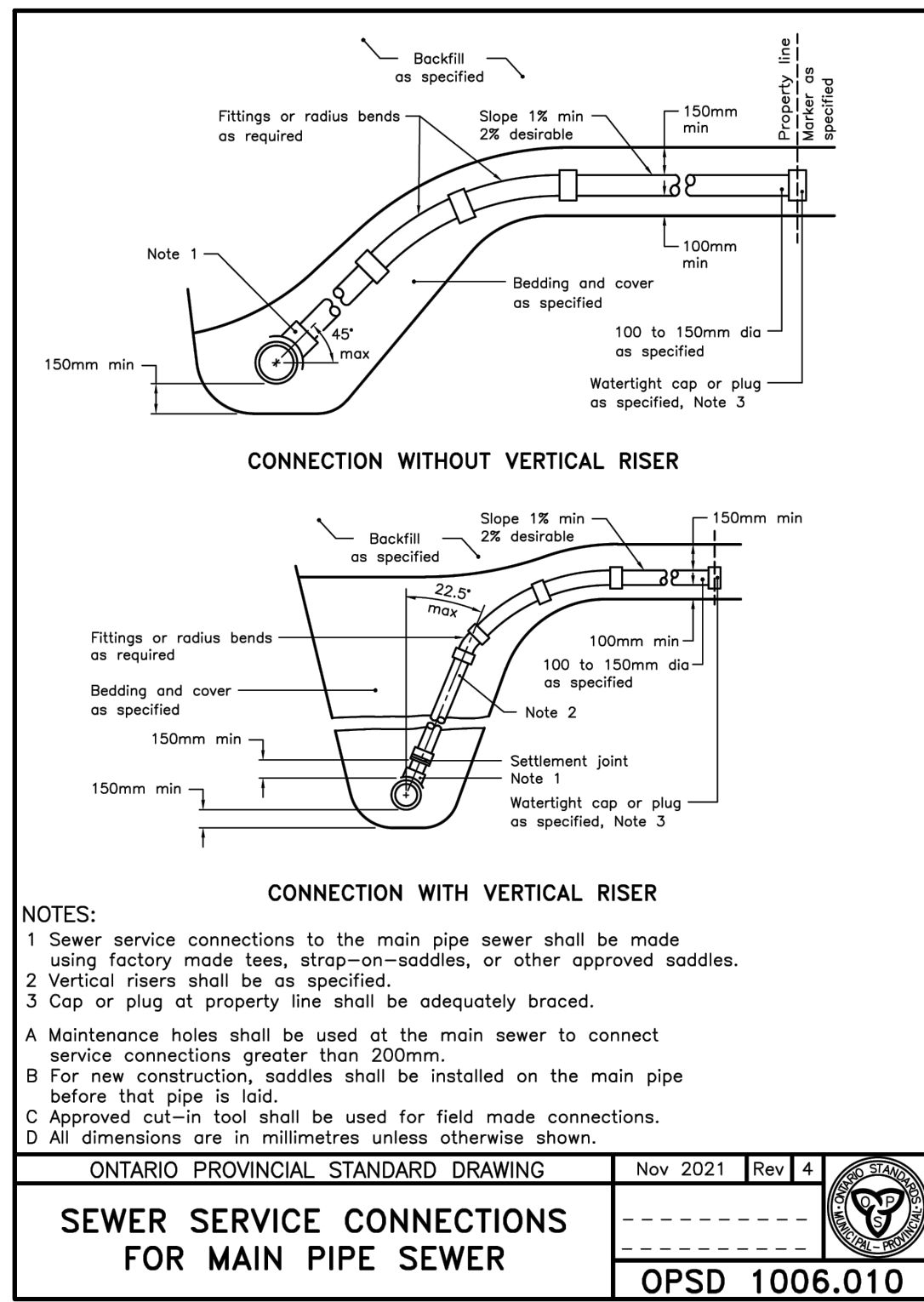
SOUTH ST ROAD RECONSTRUCTION TOWN OF DURHAM MUNICIPALITY OF WEST GREY MISCELLANEOUS DETAILS 2

Client: MUNICIPALITY OF WEST GREY

Design: JHL
Drawn: JHL
Checked: TLB
Date: SEPT 2024

Scale:
Approved:
Design Engineer

DRAWING No. 10129-C9



No.	DATE	DESCRIPTION	BY	APPD
1	MAR 28/25	ISSUED FOR TENDER	JHL	TLB
0	SEPT 06/24	FIRST SUBMISSION	JHL	TLB
REVISION / ISSUE				

Seal not valid unless signed and dated

COBIDE ENGINEERING INC.
464A - 10th STREET, Hanover, Ontario N4N 1R1
Telephone: (519) 506-5959
www.cobideeng.com

Title: SOUTH ST ROAD RECONSTRUCTION TOWN OF DURHAM MUNICIPALITY OF WEST GREY MISCELLANEOUS DETAILS 3

Client: MUNICIPALITY OF WEST GREY

Design: JHL
Scale:
Drawn: JHL
Approved:
Checked: TLB
Date: SEPT 2024
Drawing No. 10129-C10