

CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER
UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT
NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE
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AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

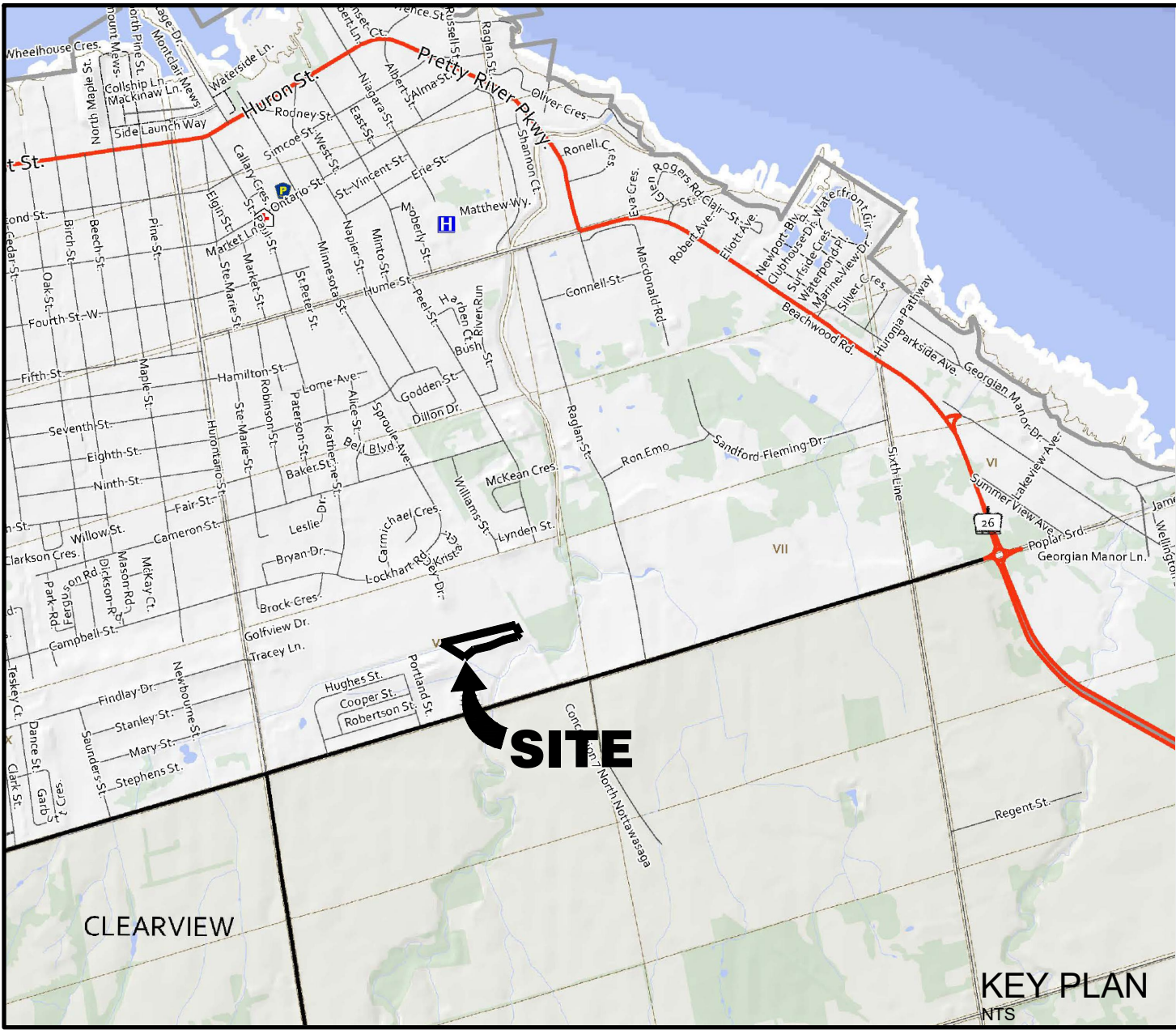
PROPOSED TOWNHOUSE DEVELOPMENT PRETTY RIVER ESTATES TOWN OF COLLINGWOOD

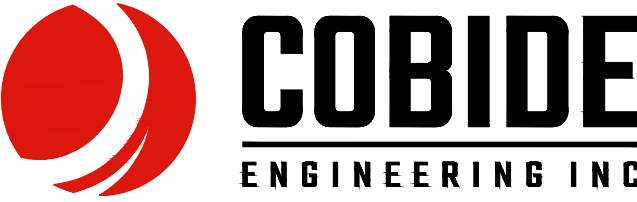
CONTRACT NO. 25-00704-01

OWNER :
SUNVALE HOMES LTD.

INDEX

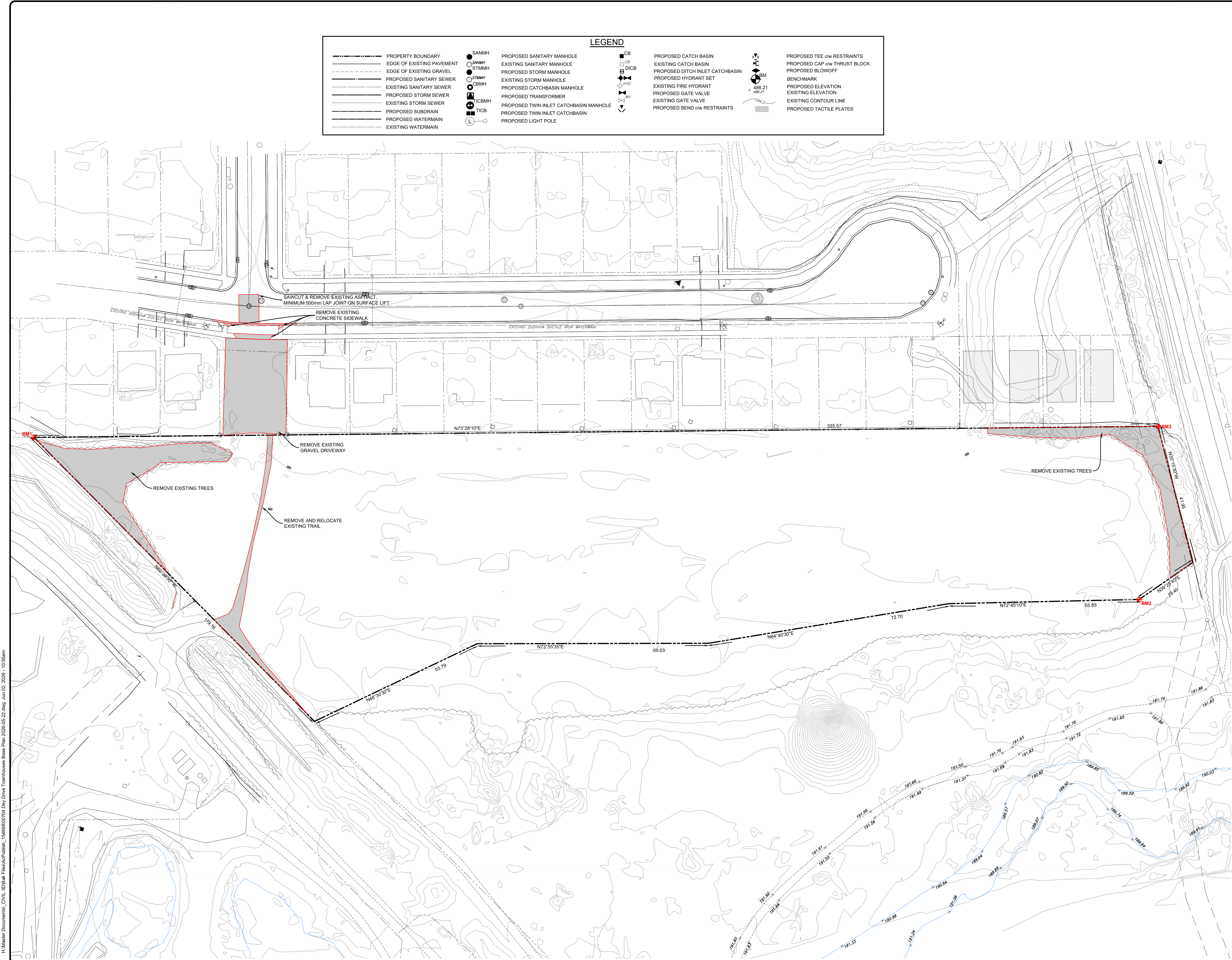
<u>SHEET No.</u>	<u>DESCRIPTION</u>
00704-C1	EXISTING CONDITIONS & REMOVALS PLAN
00704-C2	EROSION AND SEDIMENT CONTROL PLAN
00704-C3	DEVELOPMENT SITE PLAN
00704-C4	SITE GRADING PLAN
00704-C5	SITE SERVICING PLAN
00704-C6	<u>STREET A</u> STA 0+000 TO 0+070 PLAN & PROFILE
00704-C7	<u>STREET A</u> STA 0+070 TO 0+220 PLAN & PROFILE
00704-C8	<u>STREET A</u> STA 0+220 TO 0+300 PLAN & PROFILE
00704-C9	<u>EASEMENT</u> STA 1+000 TO 1+151.22 PLAN & PROFILE
00704-C10	WATERMAIN AND HYDRANT COVERAGE PLAN
00704-C11	STORM CATCHMENT AREAS
00704-C12	GENERAL NOTES & TYPICAL STREET CROSS SECTION
00704-C13	MISCELLANEOUS DETAILS 1
00704-C14	MISCELLANEOUS DETAILS 2
00704-C15	MISCELLANEOUS DETAILS 3



4	JUN 02/26	THIRD SUBMISSION	TLB	SJC	
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No.	DATE	DESCRIPTION	BY	APPD	
REVISION / ISSUE					
Seal not valid unless signed and dated					
 COBIDE ENGINEERING INC 517 - 10th STREET, Hanover, Ontario N4N 1R4 Telephone: (519) 506-5959 www.cobideeng.com					
PROPOSED TOWNHOUSE DEVELOPMENT TOWN OF COLLINGWOOD PRETTY RIVER ESTATES					
TITLE SHEET					
Client: SUNVALE HOMES LTD.					
Design: TLB		Scale: 1:500			
Drawn: ID		Approved:			
Checked: TLB					
Date: JUNE 2026		Design Engineer			
DRAWING No.		00704-TS			

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LEGEND

— — — — — PROPERTY BOUNDARY

— — — — — 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

● SANMH

○ STMMH

○ CBMH

○ TICBMH

■ TICB

○ L

○ PROPOSED SANITARY MANHOLE

○ EXISTING SANITARY MANHOLE

○ PROPOSED STORM MANHOLE

○ EXISTING STORM MANHOLE

○ PROPOSED CATCHBASIN MANHOLE

○ PROPOSED TRANSFORMER

○ PROPOSED TWIN INLET CATCHBASIN MANHOLE

○ PROPOSED TWIN INLET CATCHBASIN

○ PROPOSED LIGHT POLE

■ CB

□ DICB

— — — — — PROPOSED CATCH BASIN

— — — — — EXISTING CATCH BASIN

— — — — — PROPOSED DITCH INLET CATCHBASIN

— — — — — PROPOSED HYDRANT SET

— — — — — EXISTING FIRE HYDRANT

— — — — — PROPOSED GATE VALVE

— — — — — EXISTING GATE VALVE

— — — — — PROPOSED BEND c/w RESTRAINTS

— — — — — PROPOSED TEE c/w RESTRAINTS

— — — — — PROPOSED CAP c/w THRUST BLOCK

— — — — — PROPOSED BLOWOFF

— — — — — BENCHMARK

— — — — — PROPOSED ELEVATION

— — — — — EXISTING ELEVATION

— — — — — EXISTING CONTOUR LINE

— — — — — PROPOSED TACTILE PLATES

CAUTION:
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Notes

1. PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
2. SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
3. ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
4. COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
5. SANITARY SEWER TO BE PVC SDR35.
6. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
7. ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
8. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
9. STORM SEWERS TO BE HDPE.
10. ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED).
11. ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
12. ALL WATERMAINS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.
13. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
14. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.

SCALE 1:500

0 2.5 5 10 15 20 25 30 METRES

0 10 20 30 40 50 60 70 80 90 100 FEET

Benchmark Information

BM1 TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.413m

BM2 TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.002m

BM3 TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
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REVISION / ISSUE				

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517 - 10th STREET, Hanover, Ontario N4N 1R4
Telephone: (519) 506-9859
www.cobideeng.com

PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES

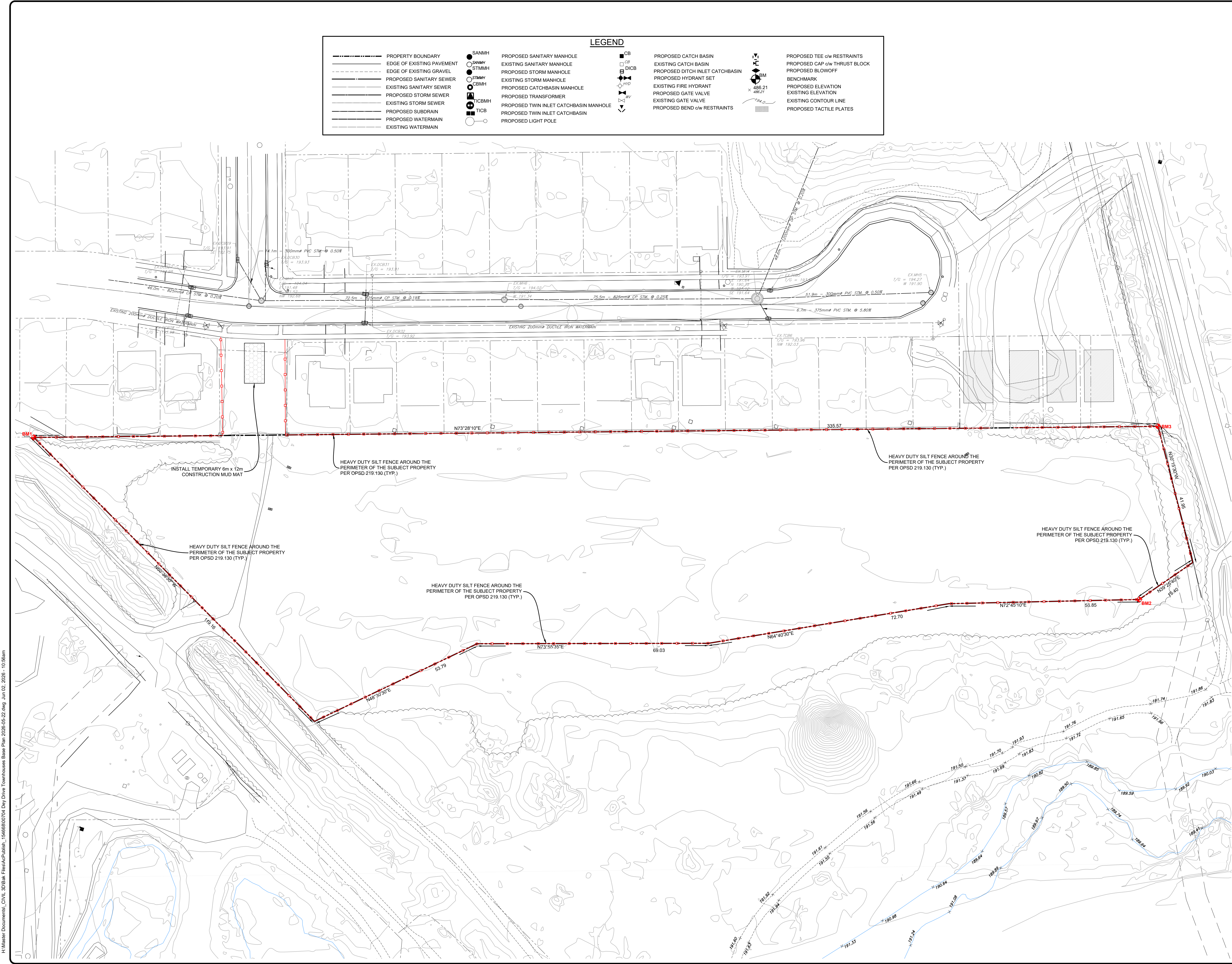
EXISTING CONDITIONS & REMOVALS PLAN

Client: **SUNVALE HOMES LTD.**

Design: TLB	Scale: 1:500
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	Design Engineer

DRAWING No. 00704-C1

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LEGEND

- PROPERTY BOUNDARY
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
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- EXISTING SANITARY SEWER
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED SUBDRAIN
- PROPOSED WATERMAIN
- EXISTING WATERMAIN

- SANMH
- STMMH
- STMMH
- CBMH
- TICBMH
- TICB
- PROPOSED SANITARY MANHOLE
- EXISTING SANITARY MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED TWIN INLET CATCHBASIN MANHOLE
- PROPOSED TWIN INLET CATCHBASIN
- PROPOSED LIGHT POLE

- CB
- DICB
- PROPOSED CATCH BASIN
- EXISTING CATCH BASIN
- PROPOSED DITCH INLET CATCHBASIN
- PROPOSED HYDRANT SET
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- PROPOSED BEND c/w RESTRAINTS

- PROPOSED TEE c/w RESTRAINTS
- PROPOSED CAP c/w THRUST BLOCK
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- EXISTING ELEVATION
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- PROPOSED TACTILE PLATES

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- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMAINS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.
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SCALE 1:500

Benchmark Information

- BM1** TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.413m
- BM2** TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
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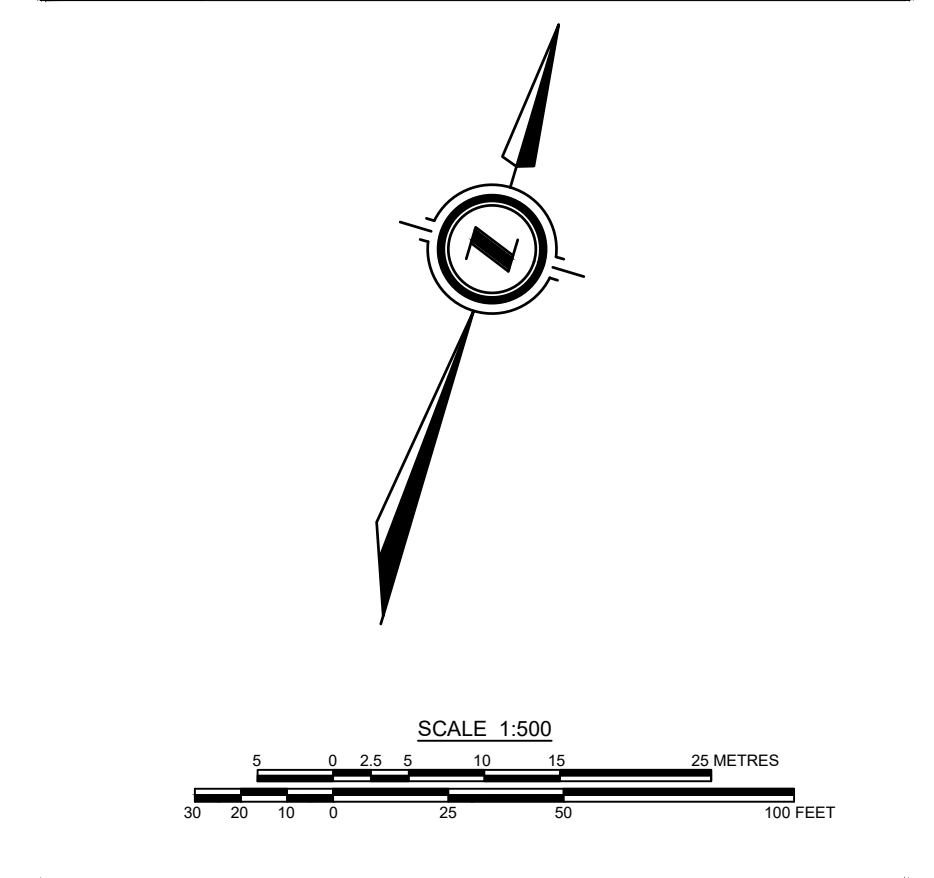
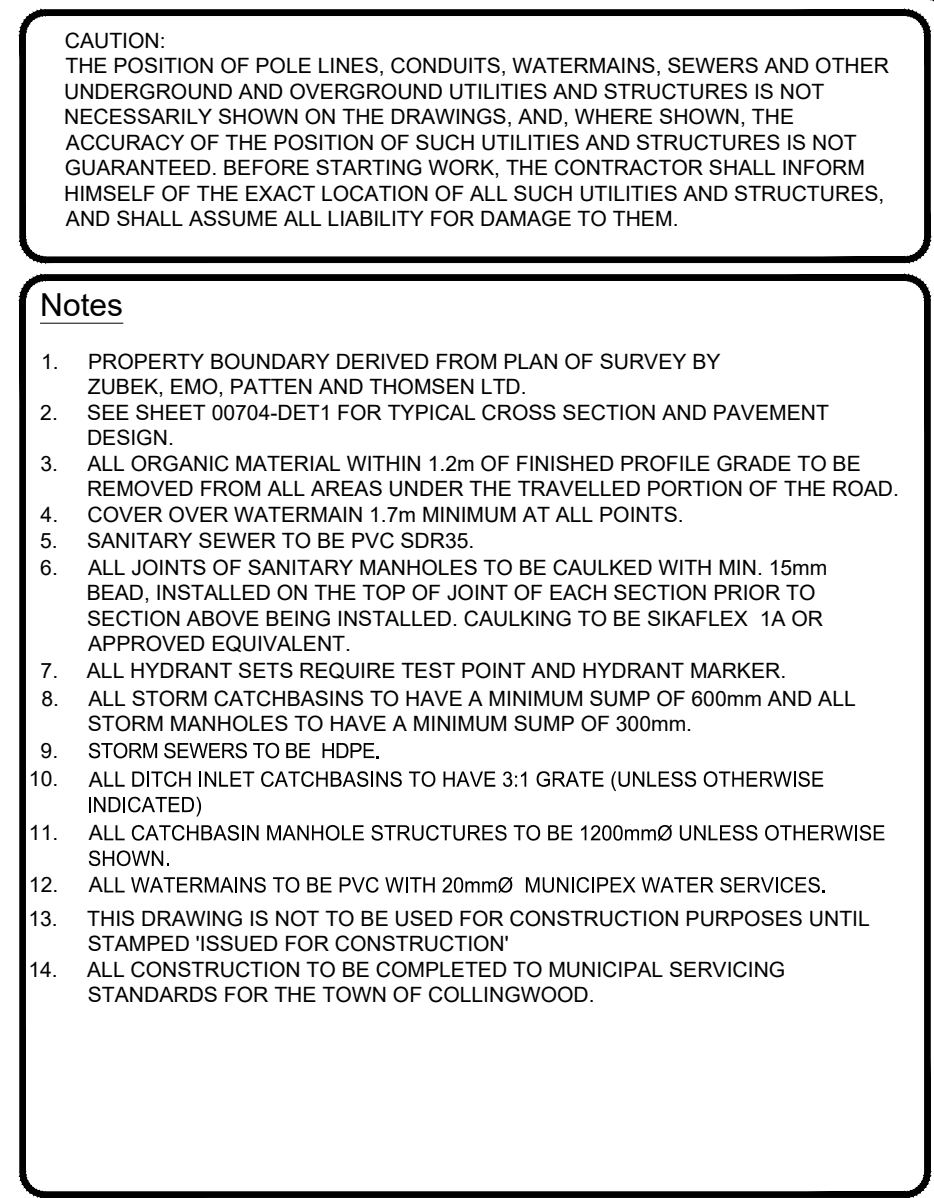
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Telephone: (519) 506-9859
www.cobideeng.com

PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES
EROSION & SEDIMENT CONTROL PLAN

Client: **SUNVALE HOMES LTD.**

Design: TLB	Scale: 1:500
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	Design Engineer

DRAWING No. 00704-C2

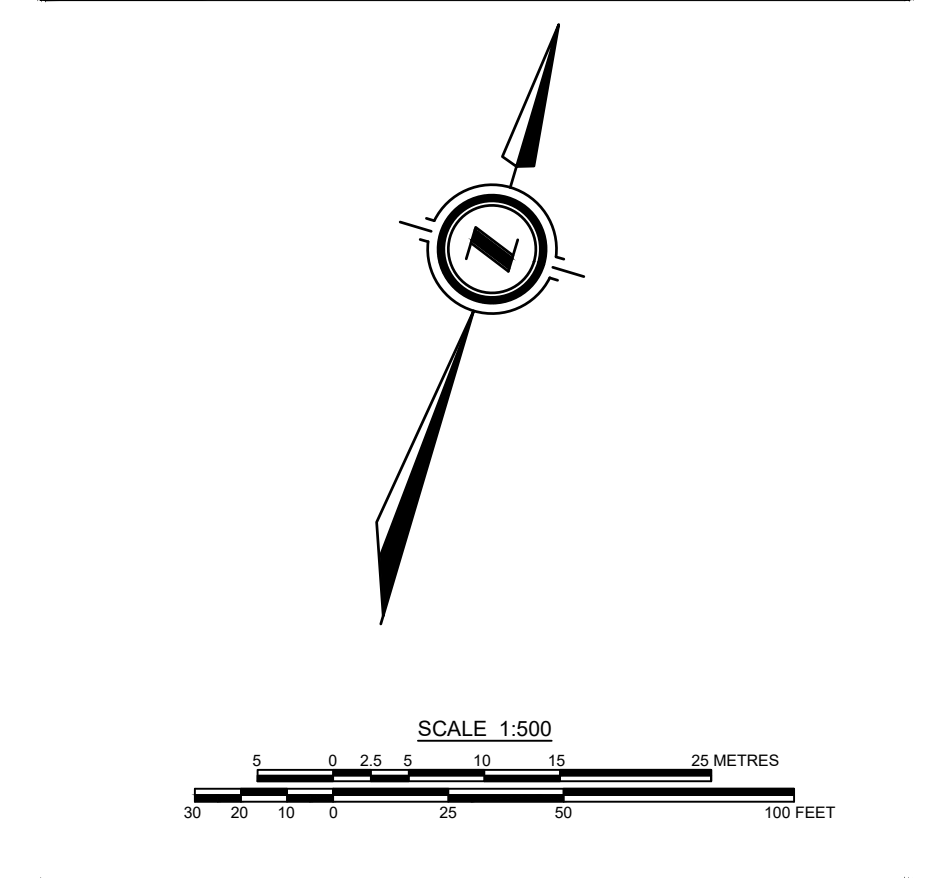
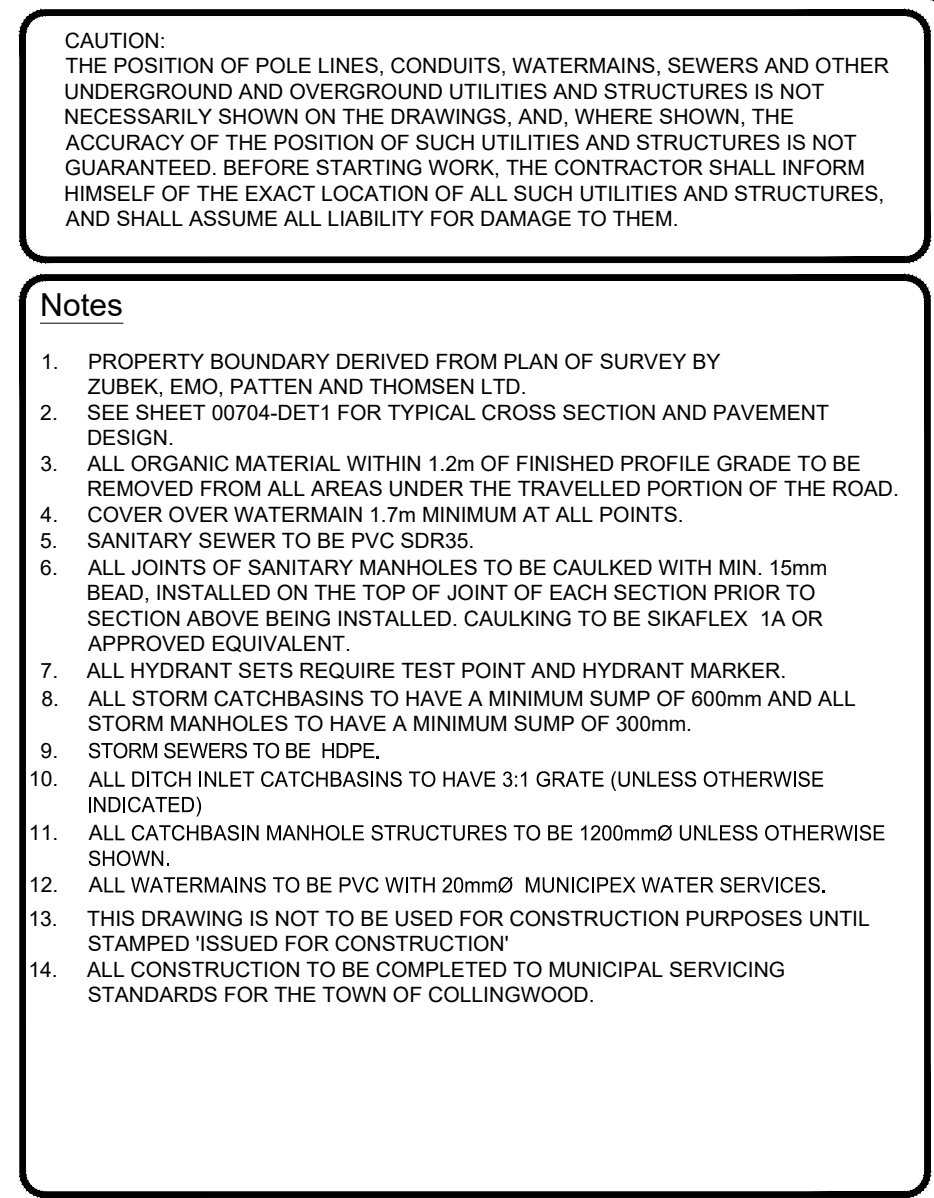


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	ELEVATION	
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	ELEVATION	
 BM3	TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)	192.851m
	ELEVATION	

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No.	DATE	DESCRIPTION	BY	APPD	
REVISION / ISSUE					

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 COBIDE ENGINEERING INC	
517 - 10th STREET, Hanover, Ontario N4N 1R4 Telephone: (519) 506-5959 www.cobideeng.com	
PROPOSED TOWNHOUSE DEVELOPMENT TOWN OF COLLINGWOOD PRETTY RIVER ESTATES SITE DEVELOPMENT PLAN	
Client: SUNVALE HOMES LTD.	
Design: TLB	Scale: 1:500
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	
Design Engineer	
DRAWING No. 00704-C3	



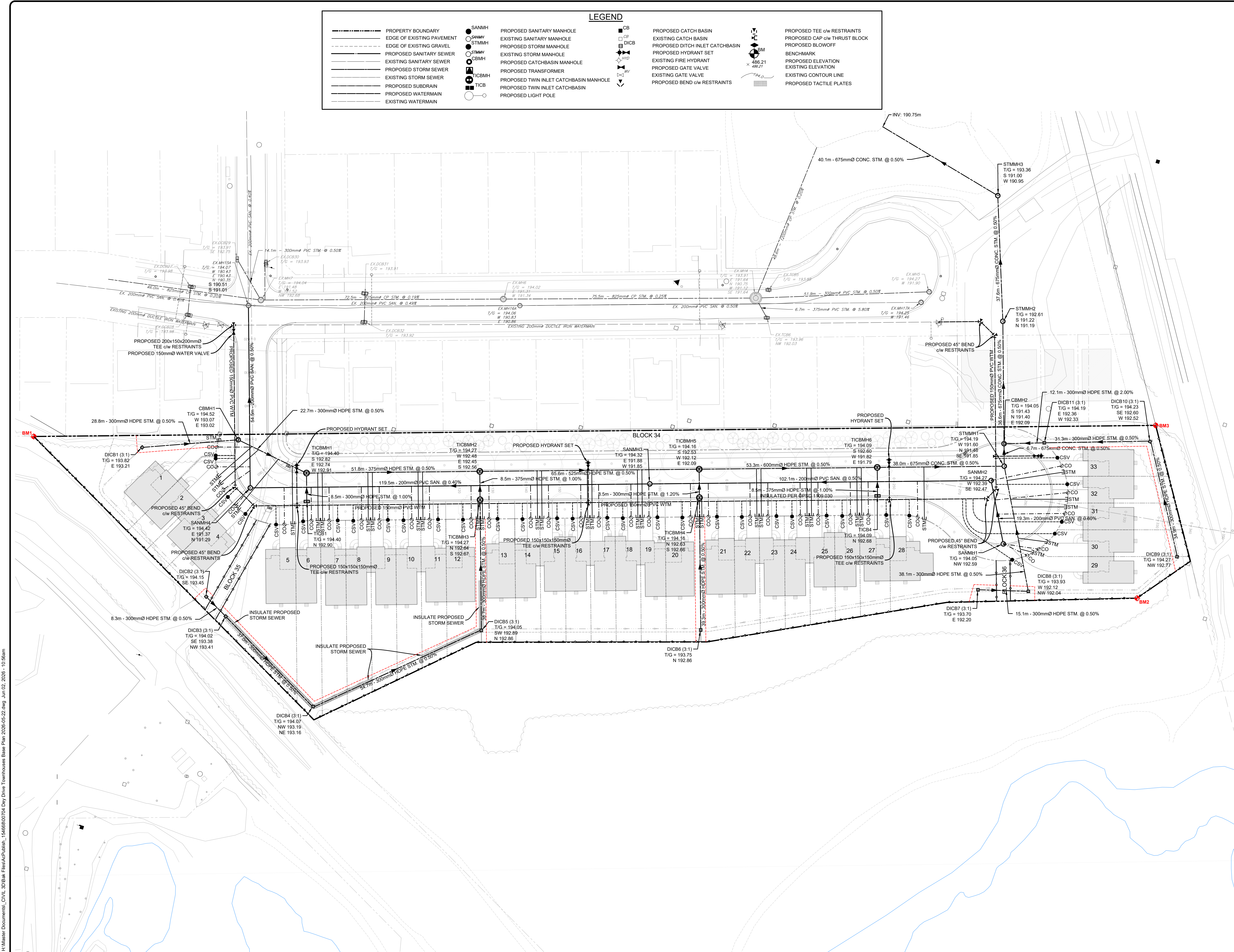
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LEGEND

PROPERTY BOUNDARY

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

SANMH

STMMH

STMMH

CBMH

TICBMH

TICB

TICB

PROPOSED SANITARY MANHOLE

EXISTING SANITARY MANHOLE

PROPOSED STORM MANHOLE

EXISTING STORM MANHOLE

PROPOSED CATCHBASIN MANHOLE

PROPOSED TRANSFORMER

PROPOSED TWIN INLET CATCHBASIN MANHOLE

PROPOSED TWIN INLET CATCHBASIN

PROPOSED LIGHT POLE

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PROPOSED CATCH BASIN

EXISTING CATCH BASIN

PROPOSED DITCH INLET CATCHBASIN

PROPOSED HYDRANT SET

EXISTING FIRE HYDRANT

PROPOSED GATE VALVE

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PROPOSED BEND c/w RESTRAINTS

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PROPOSED BLOWOFF

BENCHMARK

PROPOSED ELEVATION

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EXISTING CONTOUR LINE

PROPOSED TACTILE PLATES

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4. COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.

5. SANITARY SEWER TO BE PVC SDR35.

6. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.

7. ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.

8. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.

9. STORM SEWERS TO BE HDPE.

10. ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED).

11. ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.

12. ALL WATERMANS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.

13. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.

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SCALE 1:500

0 2.5 5 10 15 20 25 30 METRES

0 10 20 30 40 50 60 70 80 90 100 FEET

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BM1

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ELEVATION 194.413m

BM2

TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)

ELEVATION 194.002m

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ELEVATION 192.931m

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COBIDE

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Telephone: (519) 506-9859
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PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES
SITE SERVICING PLAN

Client: SUNVALE HOMES LTD.

Design: TLB

Scale: 1:500

Drawn: ID

Approved:

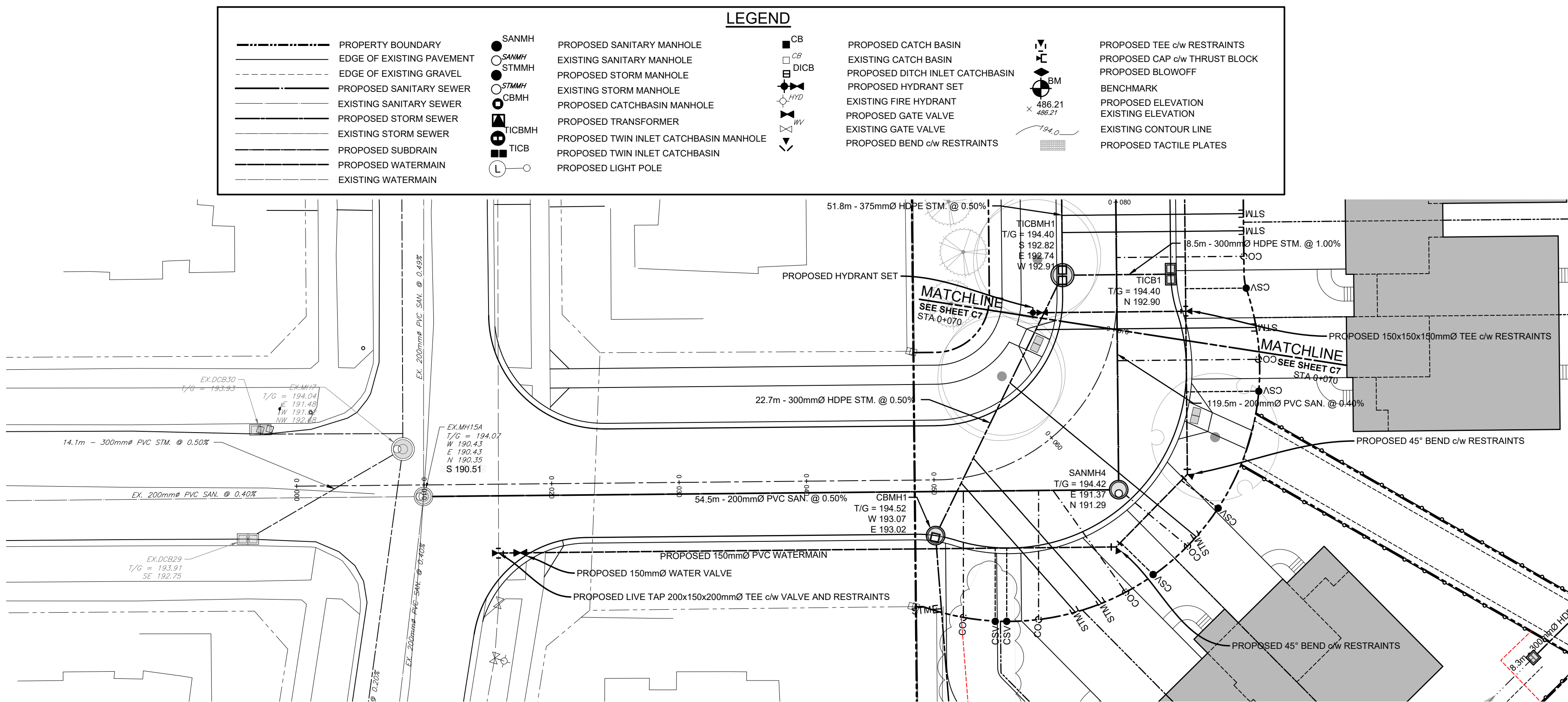
Checked: TLB

Date: JUNE 2026

Drawing Engineer

DRAWING No. 00704-C5

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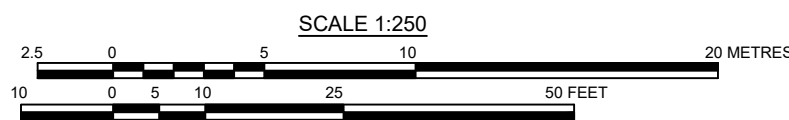
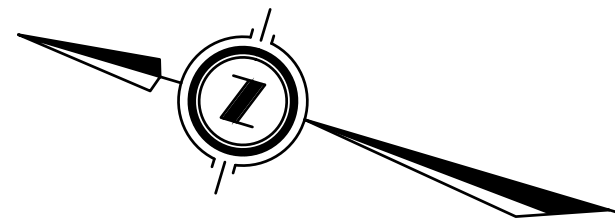
SEPARATION DISTANCES BETWEEN SEWERS/SEWER SERVICES AND WATERMAIN/WATER SERVICES SHALL BE AS PER MECP PROCEDURE F-6-1; IN GENERAL, 2.5m MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL INSTALLATIONS AND 0.5m VERTICAL SEPARATION AT CROSSINGS WHERE THE WATERMAIN OR WATER SERVICE CROSSES UNDER THE SEWER/SERVICE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

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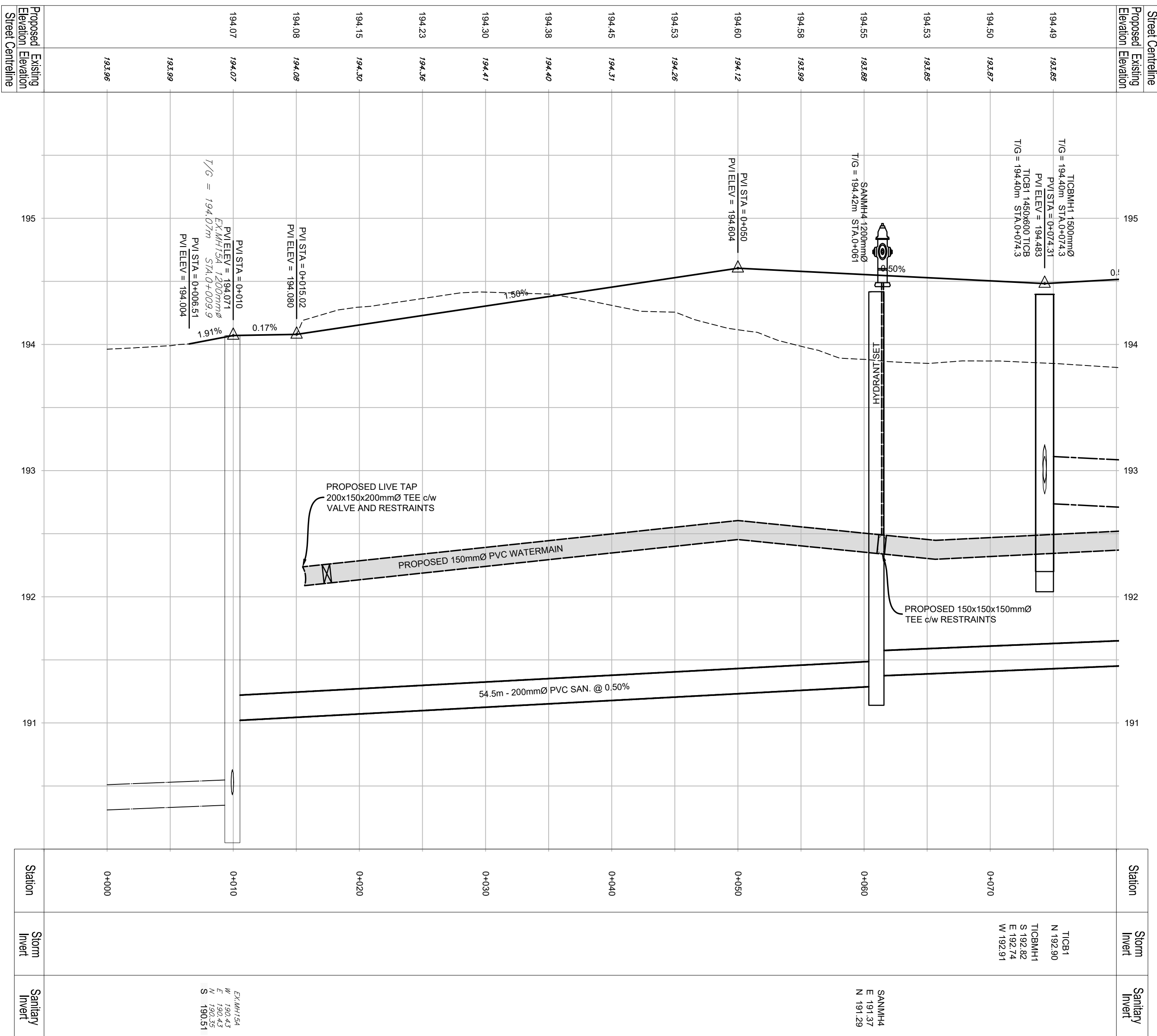
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- ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
- CATCH BASIN COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
- SANITARY SEWER TO BE PVC SDR35.
- ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
- ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
- ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
- STORM SEWERS TO BE HDPE.
- ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED).
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMANS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.
- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
- ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.



Benchmark Information

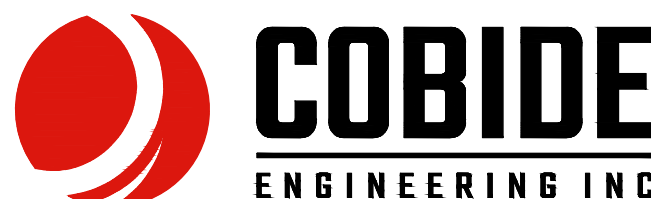
- BM1** TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.413m
- BM2** TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 192.931m



No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
3	APR 08/26	SECOND SUBMISSION	TLB	SJC
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC

REVISION / ISSUE

Seal not valid unless signed and dated



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

PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD

PLAN AND PROFILE
STA 0+000 TO 0+070

Client: **SUNVALVE HOMES LTD.**

Design: **TLB** Scale: **H 1:250 V 1:25**

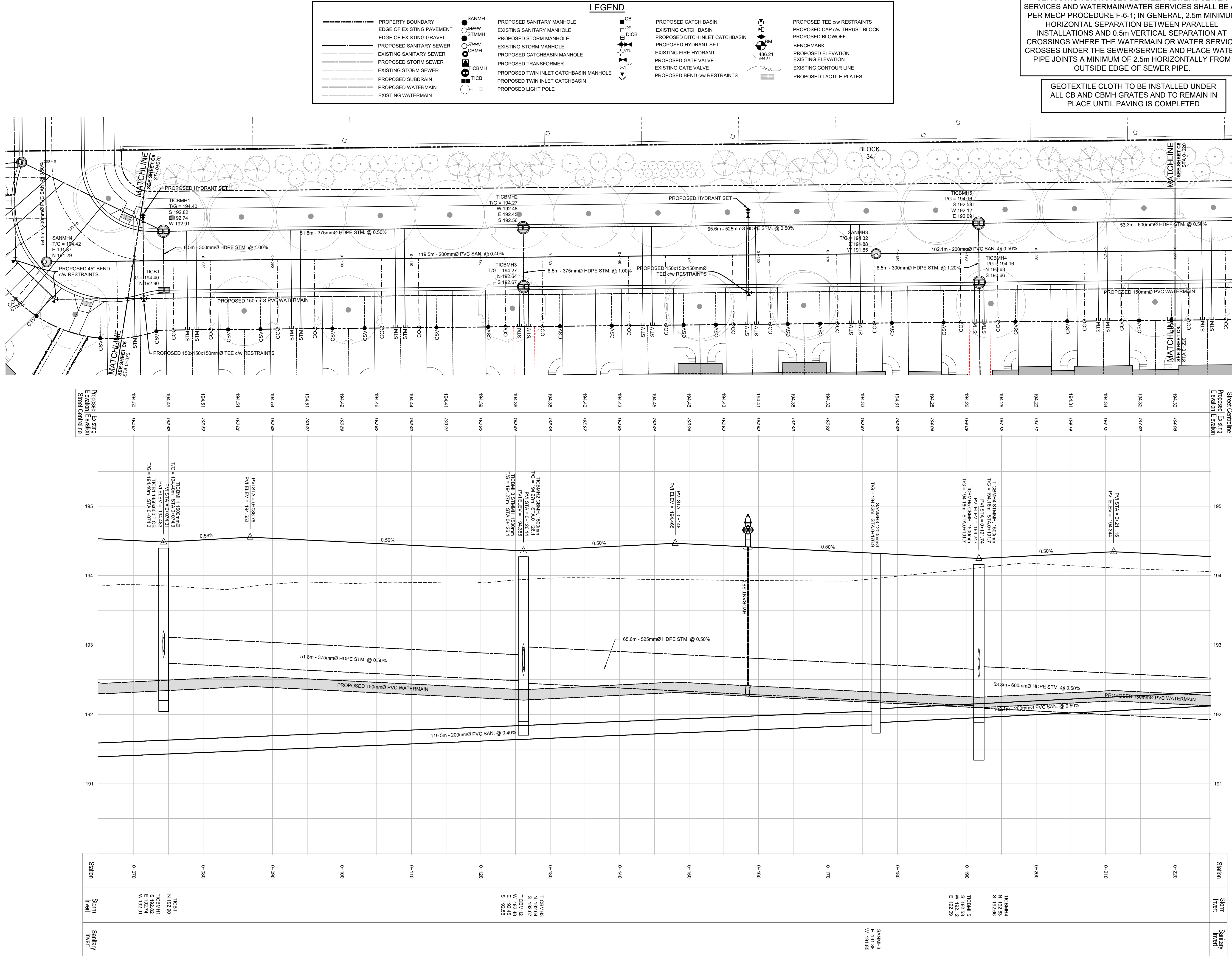
Drawn: **ID** Approved:

Checked: **TLB**

Date: **JUNE 2026**

Design Engineer

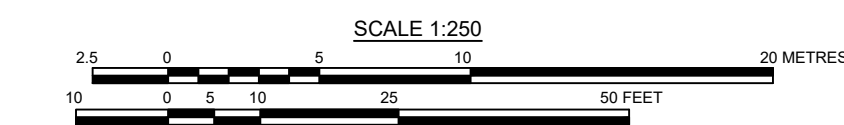
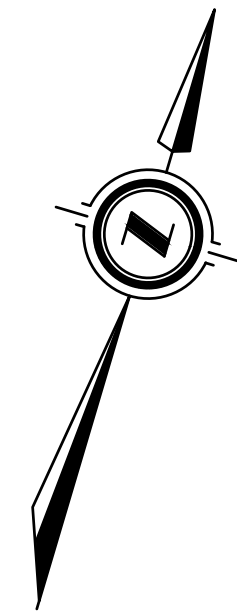
DRAWING No. **00704-C6**



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

Notes

- PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
- SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
- ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
- COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
- SANITARY SEWER TO BE PVC SDR35.
- ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
- ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
- ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
- STORM SEWERS TO BE HDPE.
- ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED).
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMANS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.
- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'.
- ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.

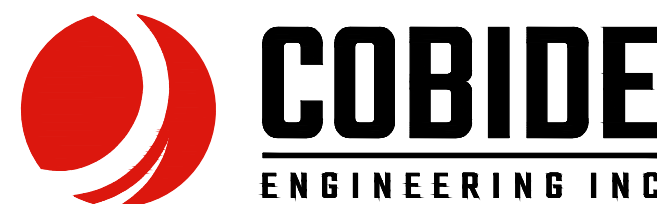


Benchmark Information

- BM1** TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.413m
- BM2** TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
3	APR 08/26	SECOND SUBMISSION	TLB	SJC
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC
REVISION / ISSUE				

Seal not valid unless signed and dated

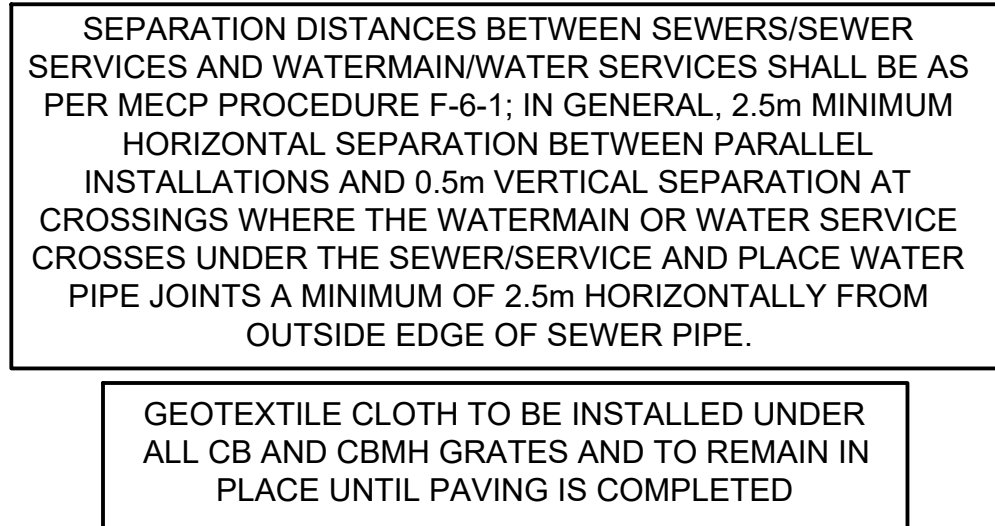


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PROPOSED TOWNHOUSE DEVELOPMENT TOWN OF COLLINGWOOD

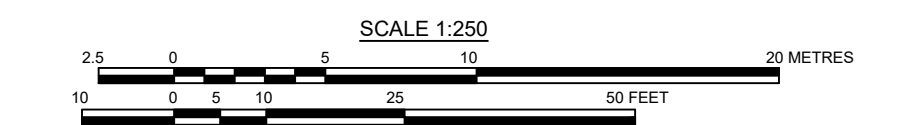
PLAN AND PROFILE STA 0+070 TO 0+220

Client: SUNVALE HOMES LTD.	
Design: TLB	Scale: H 1:250 V 1:25
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	Design Engineer
DRAWING No. 00704-C7	



Notes

1. PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
2. SEE SHEET 00074-D1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN
3. ALL ORGANIC MATERIAL WITHIN 12m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
4. COVER OVER WATERMAIN 17m MINIMUM AT ALL POINTS.
5. SANITARY SEWER TO BE PVC 300x56
6. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT
7. ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER
8. ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
9. STORM SEWERS TO BE HDPE.
10. ALL DITCH/INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED)
11. ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmD UNLESS OTHERWISE SHOWN.
12. ALL WATERMANS TO BE PVC WITH 200mm MUNICIPEX WATER SERVICES.
13. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED AND SIGNED FOR CONSTRUCTION
14. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD



BM1	TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)	
	ELEVATION	194.413m
BM2	TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)	
	ELEVATION	194.002m
BM3	TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)	
	ELEVATION	192.931m

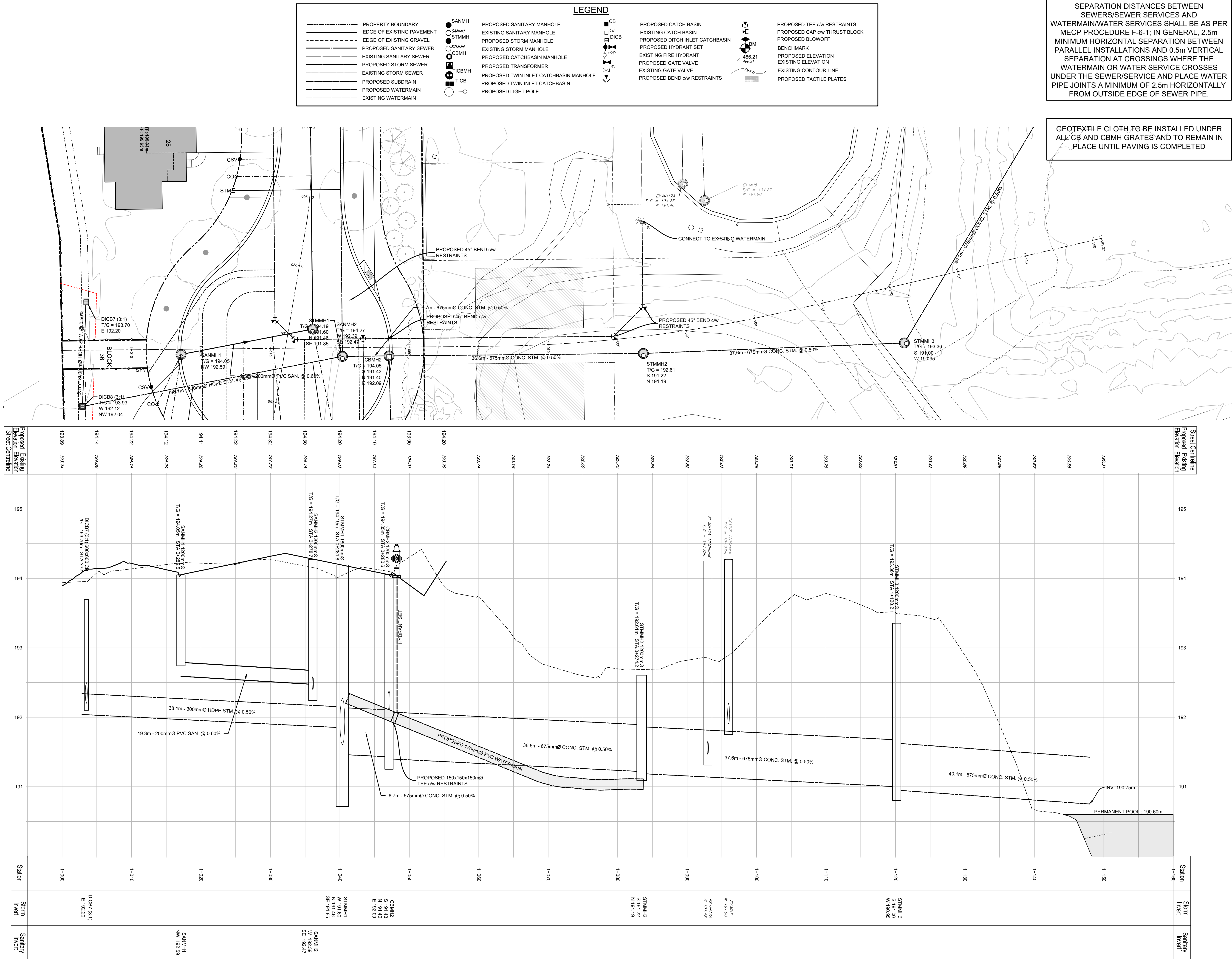
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC	
3	APR 08/26	SECOND SUBMISSION	TLB	SJC	
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC	
1	OCT 19/25	FIRST SUBMISSION	TLB	SJC	
No.	DATE	DESCRIPTION	BY	APPD	
REVISION / ISSUE					

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Client:		SUNVALE HOMES LTD.	
Design:	TLB	Scale:	H 1:250 V 1:25
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	JUNE 2026		
DRAWING No.		00704-C8	
		Design Engineer	





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.

Notes

- PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
- SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
- ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
- COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
- SANITARY SEWER TO BE PVC SDR35.
- ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
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- STORM SEWERS TO BE HDPE.
- ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED).
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
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Benchmark Information

- BM1** TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.413m
- BM2** TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS) ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
3	APR 08/26	SECOND SUBMISSION	TLB	SJC
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC

REVISION / ISSUE

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

PROPOSED TOWNHOUSE DEVELOPMENT TOWN OF COLLINGWOOD

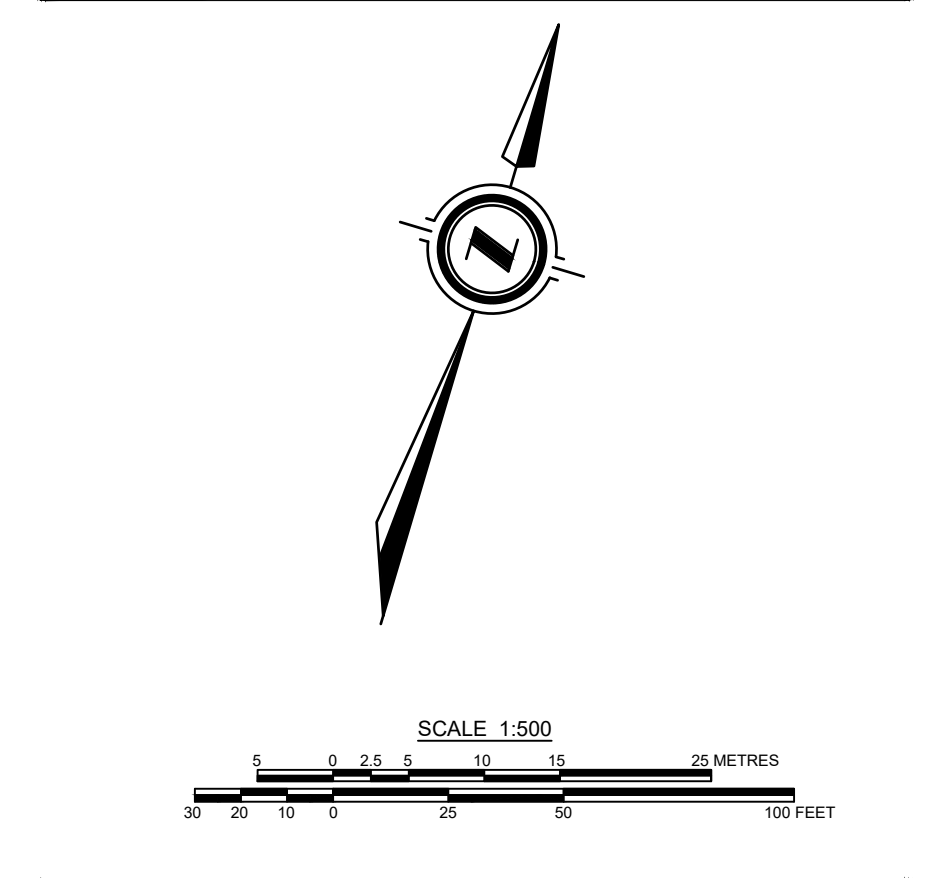
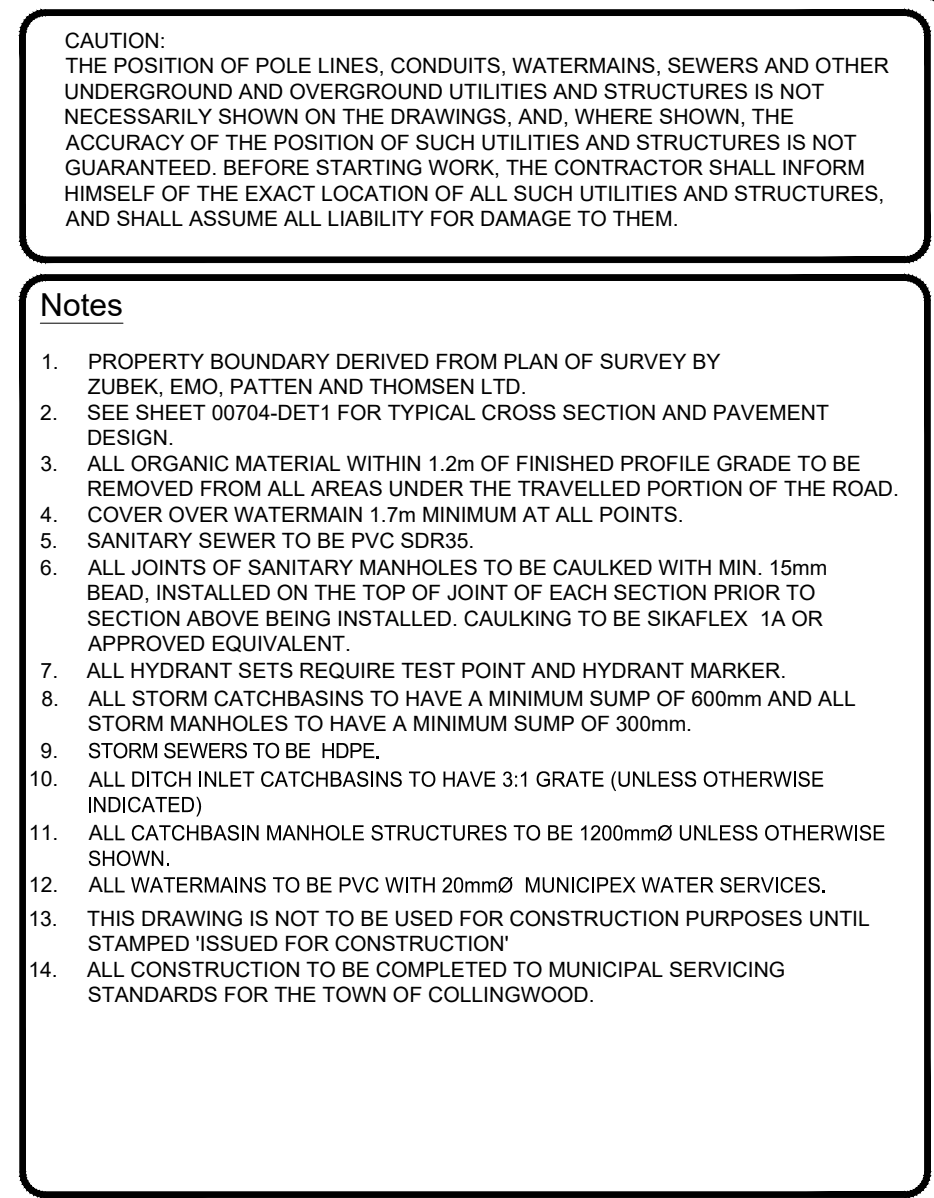
PLAN AND PROFILE

STA 1+000 TO 1+151.22

Client: **SUNVALE HOMES LTD.**

Design:	TLB	Scale:	H 1:250 V 1:25
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	JUNE 2026		

DRAWING No. 00704-C9



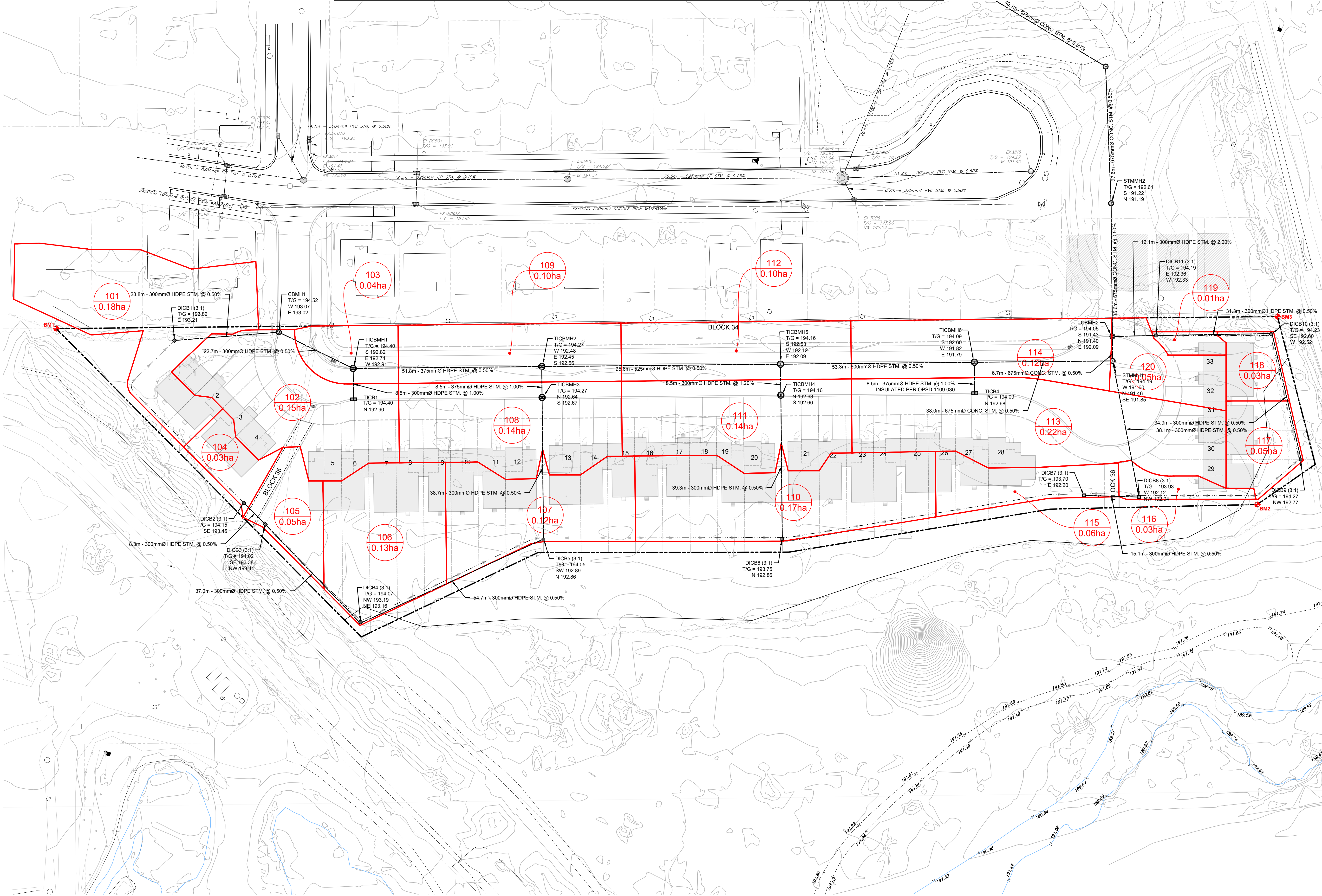
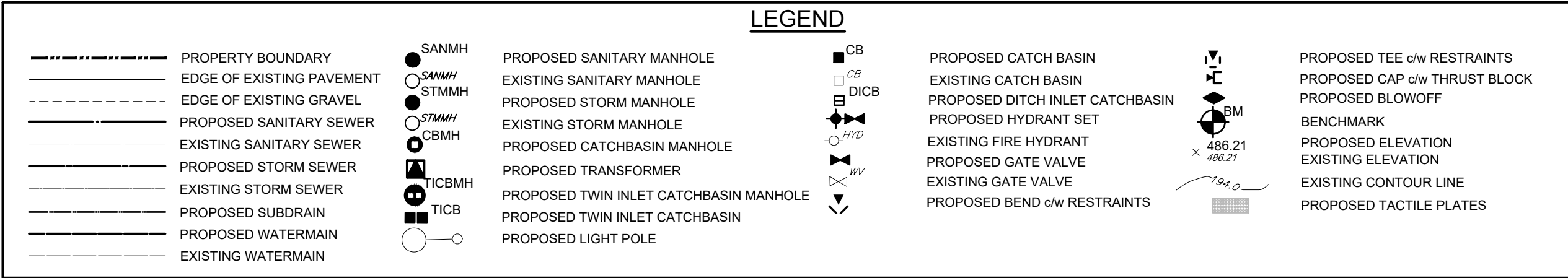
<u>Benchmark Information</u>	
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4	JUN 02/26	THIRD SUBMISSION	TLB	SJC	
3	APR 08/26	SECOND SUBMISSION	TLB	SJC	
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC	
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC	
No.	DATE	DESCRIPTION	BY	APPD	
REVISION / ISSUE					

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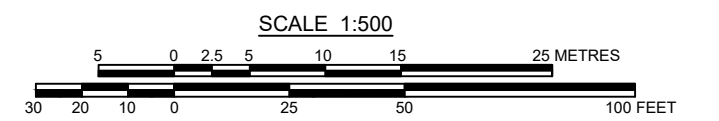
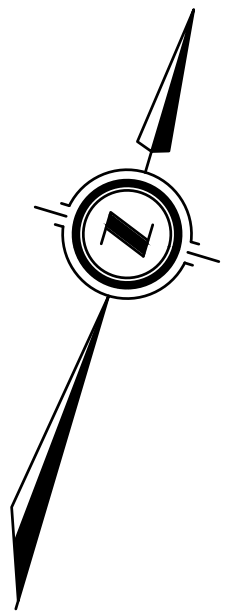
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CAUTION:
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Notes

- PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
- SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
- ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELED PORTION OF THE ROAD.
- COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
- SANITARY SEWER TO BE PVC SDR35.
- ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
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- ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.



Benchmark Information

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ELEVATION 194.413m
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ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
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2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC
REVISION / ISSUE				

Seal not valid unless signed and dated



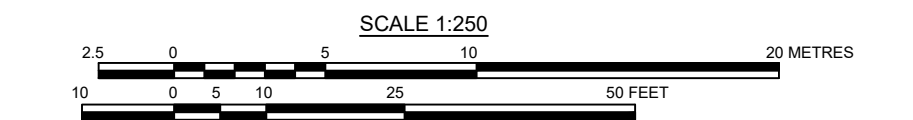
**PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES
STORM CATCHMENT AREAS**

Client: SUNVALE HOMES LTD.	
Design: TLB	Scale: 1:500
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	Design Engineer
DRAWING No. 00704-C11	

CAUTION:
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Notes

1. PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
2. SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
3. ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
4. COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
5. SANITARY SEWER TO BE PVC SDR35.
6. ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
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14. ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.



Benchmark Information

- BM1** TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.413m
- BM2** TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.002m
- BM3** TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 192.931m

No.	DATE	DESCRIPTION	BY	APPD
4	JUN 02/26	THIRD SUBMISSION	TLB	SJC
3	APR 08/26	SECOND SUBMISSION	TLB	SJC
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC

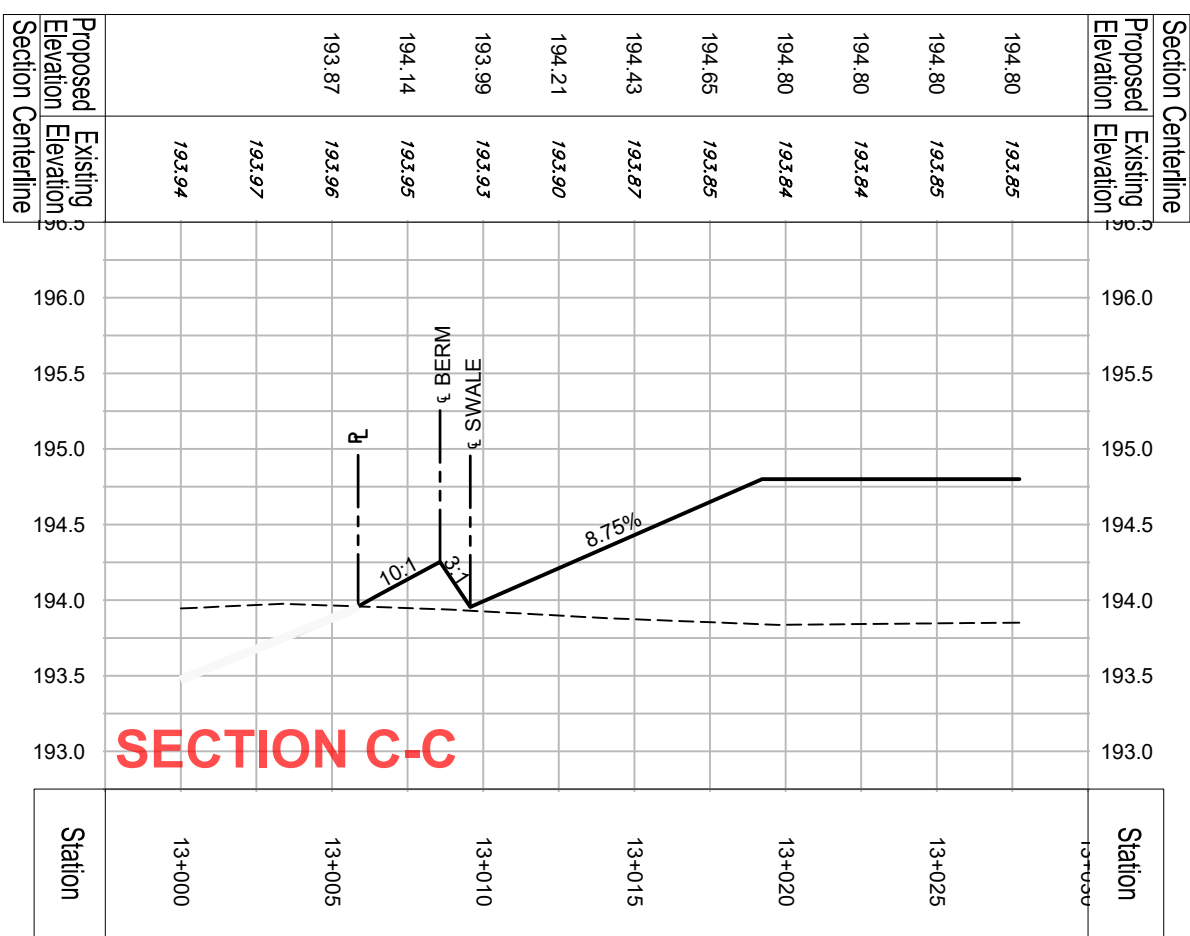
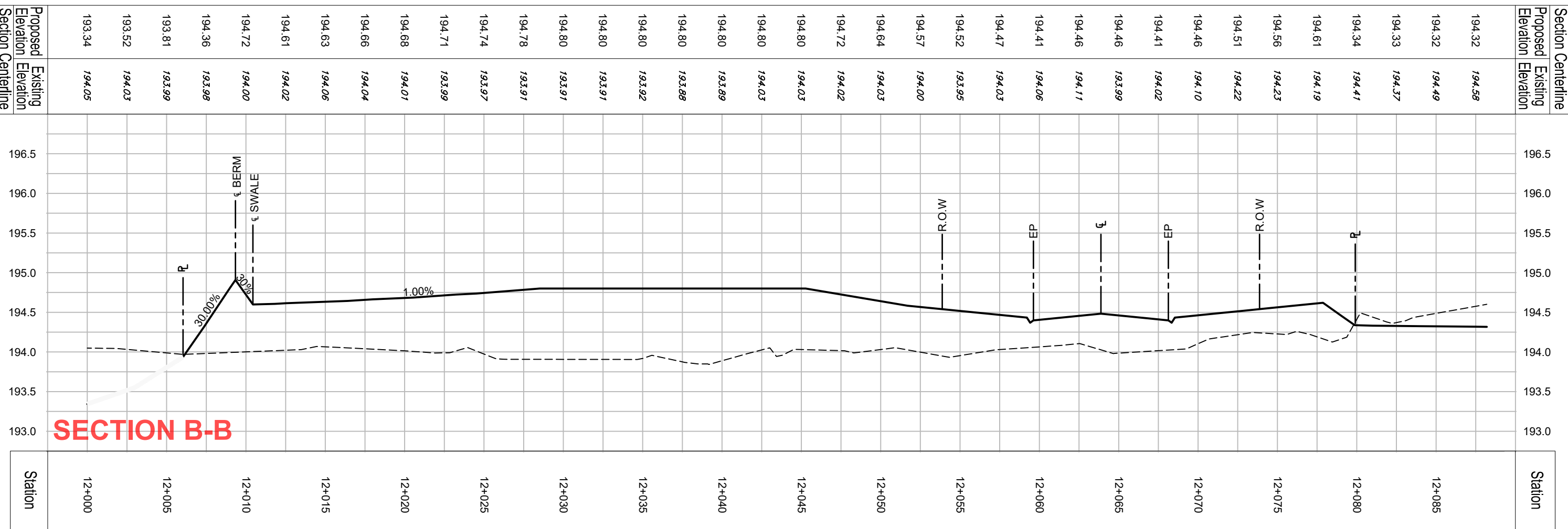
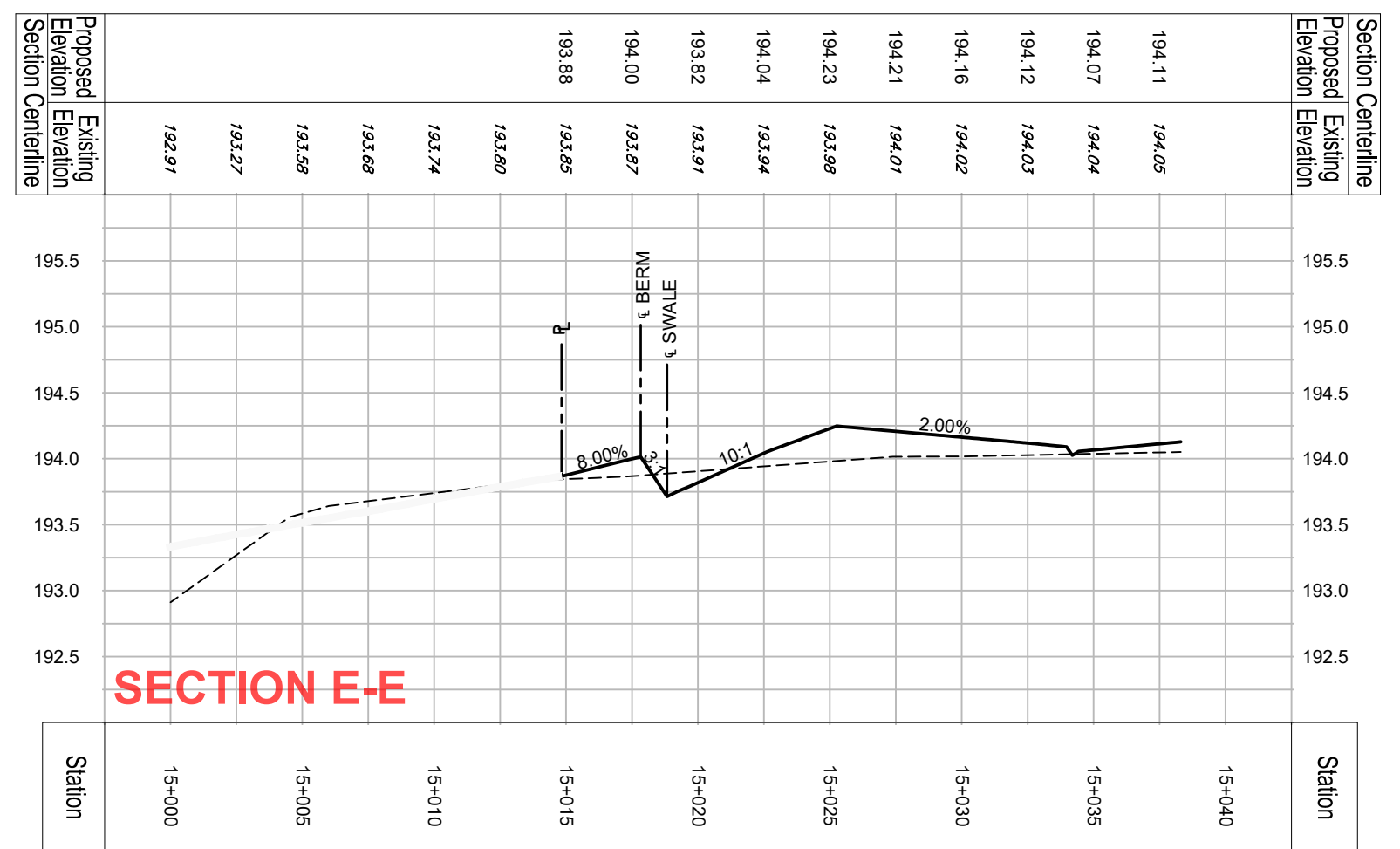
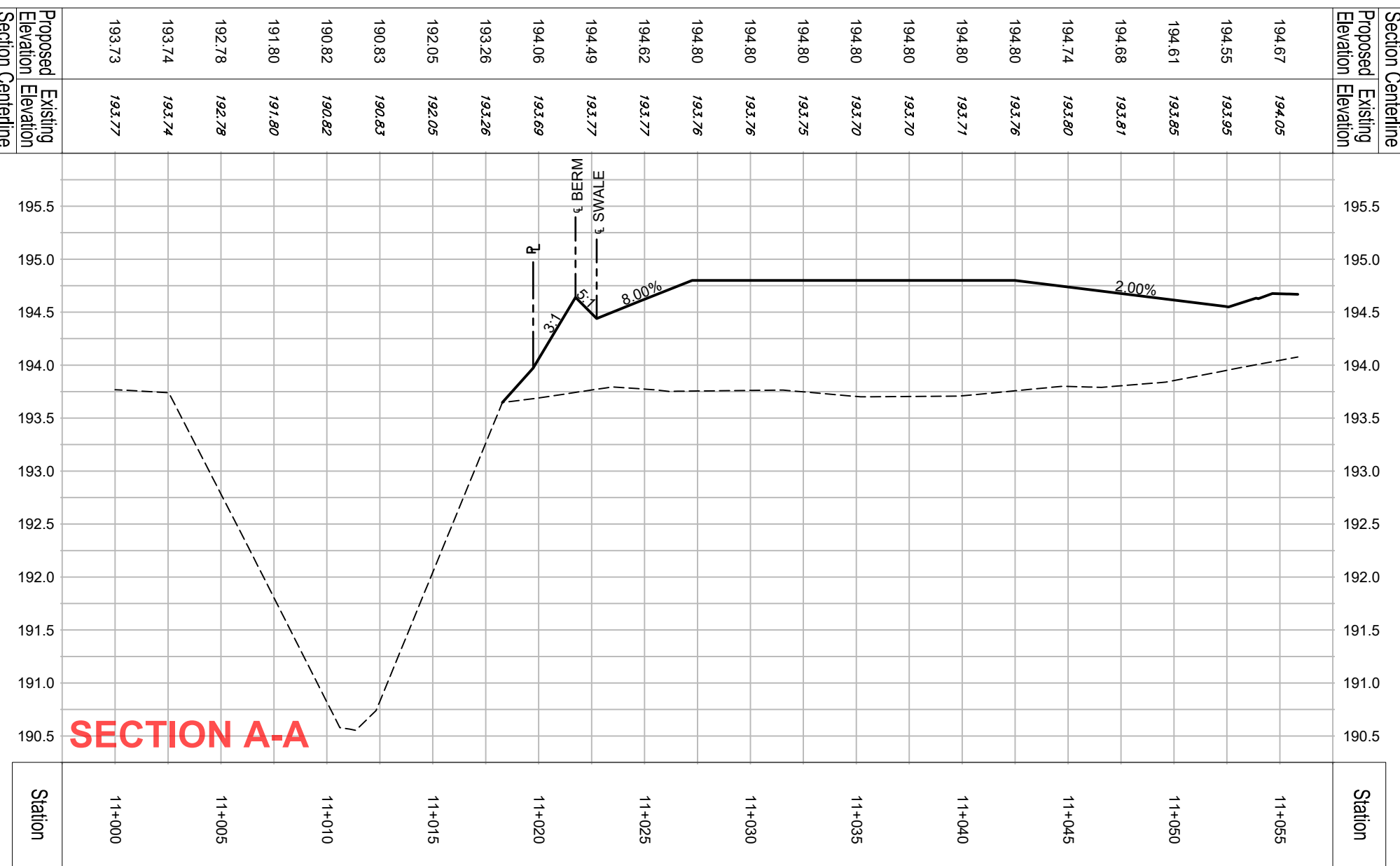
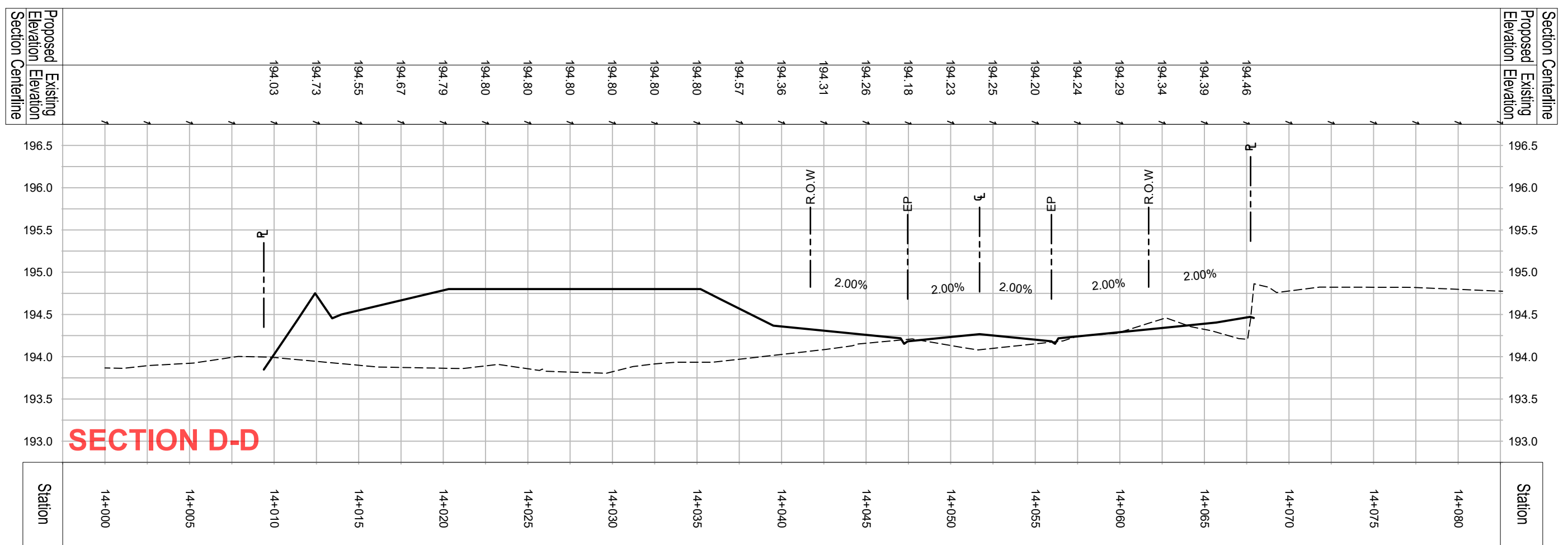
REVISION / ISSUE

Seal not valid unless signed and dated



PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES
CROSS-SECTIONS

Client: SUNVALE HOMES LTD.	
Design: TLB	Scale: H 1:250 V 1:100
Drawn: ID	Approved:
Checked: TLB	Design Engineer
Date: JUNE 2026	
DRAWING No. 00704-C12	



GENERAL - CONSTRUCTION

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH TOWN OF COLLINGWOOD STANDARDS, OPSD AND OPSS. WHERE CONFLICT OCCURS, TOWN OF COLLINGWOOD STANDARDS GOVERN.
- TRENCH BACKFILL (OPSD 802.XXX AS APPLICABLE) TO BE SELECT NATIVE MATERIAL OR IMPORTED SELECT SUBGRADE TO OPSS 1010. BACKFILL TO BE FLACED IN MAXIMUM 200mm THICK LIFTS COMPACTED TO 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
- PIPE BEDDING TO BE GRANULAR 'A' PIPE COVER TO BE GRANULAR 'B' MAX. AGGREGATE SIZE 25mm FOR RIGID PIPE AND GRANULAR 'A' FOR FLEXIBLE PIPE. (MIN. BEDDING DEPTH 150mm, MIN. COVER 300mm, COMPACTED TO A MIN. 95% SPMDD).
- CLEAR STONE WRAPPED IN FILTER FABRIC CAN BE SUBSTITUTED FOR BEDDING MATERIAL IF APPROVED BY THE ENGINEER.
- ALL MAINTENANCE HOLES ARE 1200mm DIAMETER UNLESS OTHERWISE SPECIFIED.
- ALL TOPSOIL AND EARTH EXCAVATION TO BE STOCK PILED OR REMOVED TO AN APPROVED SITE AS DIRECTED BY ENGINEER.
- THE OWNER'S ENGINEER SHALL PROVIDE BENCH MARK ELEVATIONS AND HORIZONTAL ALIGNMENT REFERENCE FOR THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED LAYOUT OF THE WORK.
- ALL PROPERTY BARS TO BE PRESERVED AND REPLACED BY O.L.S. AT CONTRACTOR'S EXPENSE IF REMOVED DURING CONSTRUCTION.
- ALL MAINTENANCE HOLES AND CB FRAMES AND COVERS TO BE SET TO BASE COURSE HL8 ASPHALT ELEVATION AND RAISED PRIOR TO PLACEMENT OF FINAL COURSE HL3 ASPHALT TO THE SATISFACTION OF THE TOWN.
- THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE SUPPLY OF TEMPORARY WATER AND POWER.
- DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS 517 AND 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. CONTRACTOR RESPONSIBLE FOR OBTAINING M.O.E. PERMIT IF REQUIRED.
- ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL DISTRICT.
- DISTURBED AREAS TO BE REINSTATED TO PREVIOUS CONDITION OR BETTER.
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION OF ALL EXISTING FACILITIES AS WELL AS ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK AND CO-ORDINATE CONSTRUCTION ACCORDINGLY.

ROADWAYS

- SUBGRADE AND BOULEVARD MATERIAL TO BE COMPACTED TO A MINIMUM DRY DENSITY OF AT LEAST 95% SPMDD. SUBGRADE TO BE PROOF ROLLED AND CERTIFIED PRIOR TO PLACING GRANULAR 'B'.
- GRANULAR 'A' AND 'B' BASE TO BE COMPACTED TO 100% OF THE MATERIAL'S RESPECTIVE SPMDD.
- ROADWAYS TO BE CONSTRUCTED WITH MIN. 400MM GRANULAR 'B' TYPE 1, 150MM GRANULAR 'A', AND 50MM HL8 BASE 40MM HL3 SURFACE COURSE ASPHALT. ALL SUBDRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 405.
- SELECT SUBGRADE MATERIAL, OR IMPORTED GRANULAR MATERIAL APPROVED BY THE ENGINEER, COMPACTED TO 98% SPMDD TO BE USED AS FILL IN ALL AREAS WHERE PROPOSED PIPE INVERTS ARE HIGHER THAN EXISTING GRADE OR AS INSTRUCTED BY THE ENGINEER.
- ALL GRANULARS AND ASPHALT MATERIALS AND PLACEMENT TO BE IN ACCORDANCE WITH OPSS 314 AND 310.
- JOINTS WITH EXISTING ASPHALT TO BE SAW CUT STRAIGHT PRIOR TO PLACING NEW ASPHALT AND TACK COAT APPLIED TO EXISTING ASPHALT.
- STOP SIGNS AND STREET SIGNS TO TOWN STANDARDS.
- REINSTATEMENT OF ALL DISTURBED BOULEVARDS TO INCLUDE REGRADING, 150mm TOPSOIL AND SOD TO OPSS MUNI 802 & MUNI 803
- CONCRETE CURB AND GUTTER TO OPSD 600.100.
- CONCRETE SIDEWALK TO OPSD 310.010, 310.033, AND OPSS 351, SUBBASE TO CONSIST OF MIN. 150mm OF GRANULAR 'A'.
- 100mm DIAMETER PIPE SUBDRAINS SHALL BE PROVIDED AS PER STANDARD 210 ON BOTH SIDES OF THE ROAD.
- SUBDRAIN TO BE INSTALLED 200mm BELOW CURB IN GRANULAR 'A' TRENCH AND CONNECTED TO EACH CB OR CBMH.
- SUBDRAINS TO BE PERFORATED OTHER THAN THE 2m SECTION IMMEDIATELY UPSTREAM OF ALL STRUCTURES WHICH SHALL BE NON-PERFORATED.

TOWN OF COLLINGWOOD ENGINEERING STANDARDS

WATERMAIN AND WATER SERVICES

- BEDDING AND COVER TO OPSD 802.010, GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR FILL.
- THRUST BLOCKS TO OPSD 1103.010 AND 1103.020 WHERE SUITABLE SOILS ARE ENCOUNTERED.
- SERVICE CONNECTIONS TO OPSD 1104.010, 100mm GRANULAR 'A' EMBEDMENT AND COVER OVER PIPE. TERMINATE AT PROPERTY LINE AT CENTER OR LOT C/W CURB STOP AND BOX, TESTING TAIL TO SURFACE ATTACHED TO A 38mm x 89mm MARKER POST PAINTED BLUE.
- HYDRANTS TO OPSD 1105.01. DRAIN PLUGS SHALL BE INSTALLED WHERE HIGH WATER TABLE IS ENCOUNTERED.
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
- MINIMUM COVER ON WATER MAIN AND SERVICES TO BE 1.7m.
- GATE VALVES, BENDS AND HYDRANT LEADS AND FITTINGS TO BE CONNECTED WITH ROMAX GRIP RESTRAINING CLAMP.
- CLEARANCE BETWEEN WATER MAINS AND SEWERS TO BE A MINIMUM OF 0.5m VERTICAL WHERE WATER MAIN IS BELOW SEWER OR 2.5m MINIMUM HORIZONTAL SEPARATION. WHERE WATER MAIN IS ABOVE THE SEWER, THE MINIMUM SEPARATION TO BE 150mm (BEDDING MATERIAL).
- SERVICE TO OPSD 1104.010 AND SHALL BE DIRECT TAP.
- FOLLOWING TESTING, CONTRACTOR SHALL OPERATE EACH WATER SERVICE TO VERIFY FULL FLOW AND PRESSURE AT THE CURB STOP TO THE SATISFACTION OF THE ENGINEER.
- GENERAL INSTALLATION AND TESTING OF WATER MAIN AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 701 AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.
- ALL WATERMAIN TESTING AND CHLORINATION WILL BE CONDUCTED BY THE TOWN OF COLLINGWOOD WATER DEPARTMENT AT THE DEVELOPER'S COST. NEW WATERMAINS ARE NOT TO BE CONNECTED TO EXISTING WATERMAINS UNTIL BACTERIOLOGICAL TESTING HAS BEEN SUCCESSFULLY COMPLETED.
- HYDRANTS- CANADA VALVE, CENTURY NUMBER 1, OPEN LEFT WITH 2 CSA HOSE PORTS, ONE STORZ 4" PUMPER PORT, AND A BREAK AWAY TYPE 6" MJ BASE.
- MARKER'S FLEX STAKE MODEL FHV 804, REFLECTIVE HYDRANT DECAL, YELLOW, 48" LENGTH, ANTI TAMPER DEVICE FOR CENTURY HYDRANTS, BLUE.
- EXPANDED POLYSTYRENE INSULATION PER OPSD 1109.030 TO BE PROVIDED WHERE LESS THAN 1.7m COVER OR WITHIN 1.7m OF A STORM STRUCTURE. THICKNESS TO BE 25mm PER 300mm REDUCTION IN REQUIRED DEPTH OF COVER WITH A MINIMUM OF 50mm THICKNESS OF INSULATION. WHERE WATERMAIN PASSES OVER STORM SEWER, INSULATION SHALL BE PROVIDED ON ALL SIDES.
- TEMPORARY WATERMAIN CONNECTIONS SHALL BE CONNECTED AS PER TOWN OF COLLINGWOOD STD.128, A REDUCED PRESSURE (RP) BACKFLOW PREVENTION DEVICE IS REQUIRED FOR TEMPORARY CONNECTIONS.

STORM SEWERS AND SERVICES

- MH, CBMH AND DICBMH TO OPSD 701.XXX (AS APPROPRIATE) C/W SUMP UNLESS NOTED OTHERWISE. NO SUMP ON REAR YARD BASINS.
- STEPS TO OPSD 405.010.
- MH FRAMES AND GRATES TO OPSD 401.01 OPEN COVER.
- CB'S TO OPSD 705.010, 705.020.
- DICB'S TO OPSD 705.030, 705.040, 706.010, 706.020, 706.030, 706.040.
- CB AND CBMH FRAMES AND GRATES TO OPSD 708.020.
- PIPE SUPPORT AT MHS, CB'S, AND CBMH'S TO OPSD 708.020, 708.030.
- PROTECTION DURING CONSTRUCTION TO OPSD 808.010.
- BEDDING AND COVER TO OPSD 802.010 (FLEXIBLE PIPE) GRANULAR 'A' EMBEDMENT OR OPSD 802.030, 802.031, AND 802.032 (RIGID PIPE) GRANULAR 'A' EMBEDMENT.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.
- SERVICE CONNECTION TO TOWN STANDARD 530 100mm, GRANULAR 'A' EMBEDMENT, TERMINATE AT PROPERTY LINE 1.0 TO THE RIGHT OF SANITARY SERVICE (FACING LOT) c/w A CAPIPLUG AND A 38mm x 89mm MARKER STAKE PAINTED WHITE.

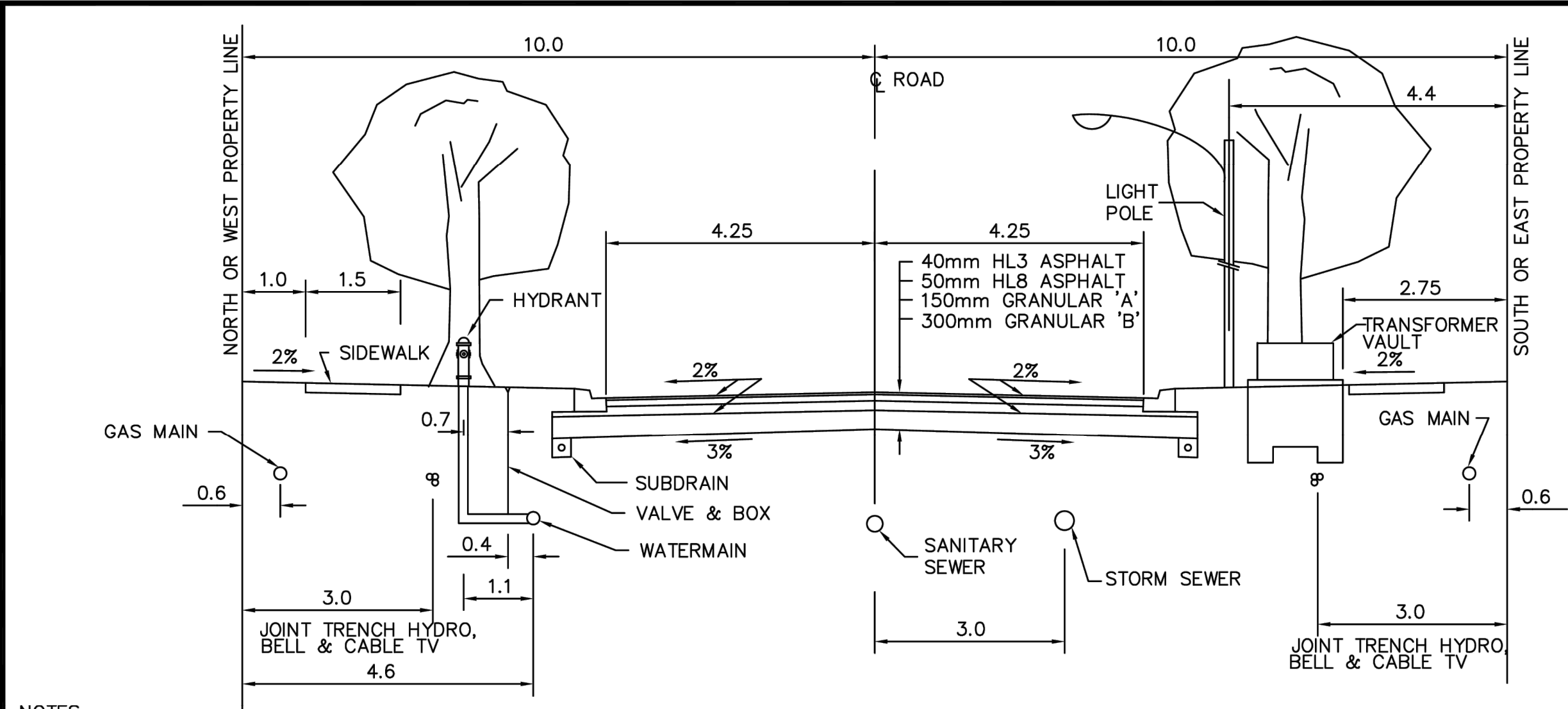
SANITARY SEWERS AND SERVICES

- MHS TO OPSD 701.XXX (AS APPROPRIATE).
- BENCHING TO OPSD 701.021.
- STEPS TO OPSD 405.010.
- FROST STRAPS SHALL BE INSTALLED ON ALL MAINTENANCE HOLES AS PER OPSD 701.100.
- BEDDING AND COVER TO OPSD 802.010 (FLEXIBLE PIPE), GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- FRAMES AND COVERS TO BE OPSD 401.01 TYPE 'A', CLOSED COVER.
- SERVICE CONNECTIONS TO OPSD 1006.020 (125mm), GRANULAR 'A' EMBEDMENT, TERMINATE AT PROPERTY LINE 2.5m RIGHT OF WATER SERVICE (FACING LOT) WITH A 125 X 100 REDUCER C/W PLUG AND 38m x 89mm MARKER POST PAINTED GREEN. MIN. GRADE TO BE 2.0%.
- RADIUS BENDS TO BE USED ON SANITARY SEWER CONNECTIONS WHERE THE ANGLE OF CONNECTION BETWEEN THE SERVICE AND SEWER EXCEEDS 90°.
- BACKFILL AND EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMDD.
- CLEAR STONE WRAPPED WITH FILTER FABRIC CAN BE SUBSTITUTED FOR EMBEDMENT MATERIAL IF APPROVED BY THE ENGINEER.
- PIPE SUPPORT AT MAINTENANCE HOLES PER OPSD 708.020.
- GENERAL INSTALLATION AND TESTING OF SEWERS AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 407, 408, 409 (CCTV), 410, 421, AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.

TOWN OF COLLINGWOOD ENGINEERING STANDARDS	
Watermain Pipe	Crow or Mueller, RSGV mechanical joint, resilient seat,
Gate Valves	right hand closing
Valve Boxes	5-SL-48 sliding or approved equal with cap painted blue.
Hydrants	Canada Valve, Century No.1 open left with 2 CSA hose ports, one Storz 4" pumper port, and a break away type 6" MJ base.
Fittings	Mechanical joint, ductile iron to meet AWWA/ANSI C153/A 21.53 specification
Main Stops	Cambridge Brass 201-A3H3 (AWWA thread by compression)
Curb Stops	Cambridge Brass 203-H3H3 (AWWA compression by compression)
Service Material	20mm type K copper pipe
Tracer Wire	12 AWG TWH solid plastic covered, TW4 75° C 600V or approved equivalent

MATERIALS

- SANITARY SEWER - SDR35 PVC.
- SANITARY SERVICES - SDR28 PVC, 125mmØ COLOUR GREEN USING TEE CONNECTIONS TO MAIN.
- WATERMAIN - DUCTILE IRON CLASS 52, OR PRESSURE CLASS 350 CEMENT LINED, CONDUCTIVITY CONNECTORS TO BE USED ON ALL JOINTS.
- WATERMAIN SERVICES - 20mmØ, TYPE 'K' SOFT COPPER PIPE.
- HYDRANTS - CENTURY NUMBER 1, OPEN LEFT WITH 2 CSA HOSE PORTS, ONE STORZ 4" PUMPER PORT, AND A BREAK AWAY TYPE 6" MJ BASE.
- HYDRANT ACCESSORIES - MARKER'S FLEX STAKE MODEL FHV 804, REFLECTIVE HYDRANT DECAL, YELLOW, 48" LENGTH; ANTI TAMPER DEVICE FOR CENTURY HYDRANTS, BLUE.
- VALVES - RESILIENT SEATED, RSGV, MECHANICAL JOINT, OPEN LEFT CLOW OR MUELLER WITH 5 SL-48 SLIDING VALVE BOX.
- MECHANICAL JOINT DUCTILE FITTINGS - AWWA/ANSI C153/A21.53.
- RESTRAINER-ROLMAC GRIPPER RING UP TO 300mm, SIGMA ONE LOCK RESTRAINING GLANDS OVER 300mm.
- LIVE TAP SADDLES - EPOXY COATED C/W STAINLESS STEEL BOLTS.
- FILTER FABRIC - TERRAFIX 270R OR APPROVED EQUAL.
- PERFORATED SUBDRAINS - 100mm BOSS 2000 WITH GEOTEXTILE FILTER SOCK OR APPROVED EQUAL.
- STORM SEWER - PVC SDR35, CONCRETE CLASS III OR HDPE OPEN PROFILE BELL & SPIGOT (BOSS 2000 AND MIN. PIPE STIFFNESS=320KPa OR EQUAL).
- STORM SEWER CONNECTION - PVC SDR28 - 100mm COLOUR WHITE.
- CULVERTS - SMOOTH WALL HDPE (MIN. PIPE STIFFNESS =320KPa) OR CORRUGATED METAL PIPE (MIN. THICKNESS = 2.0mm)
- RIP-RAP TO OPSD 1004.05.06.
- ALL SPECIFIED AGGREGATES TO OPSD 1010.
- HYDRANTS ARE TO BE 1.85m LONG. EXTENSIONS IF REQUIRED ARE TO BE INSTALLED BELOW THE 1.85m SECTION.



- NOTES:
- COVER ON STORM, SANITARY AND WATERMAIN AS PER DESIGN CRITERIA. UTILITY CORRIDOR SHALL HAVE A MINIMUM COVER OF 0.9m.
 - MINIMUM PAVEMENT AND ROAD STRUCTURE DESIGN AS PER TOWN DESIGN CRITERIA OR AS PER GEOTECHNICAL INVESTIGATION RECOMMENDATION.
 - TREES TO BE PLACED IN LOCATIONS AS PER APPROVED LANDSCAPE PLAN.
 - ACTIVELY GROWING NURSERY SOD TO BE LAID ON 100mm OF TOPSOIL PROPERLY GRADED AND ROLLED.
 - HYDRANTS AND WATERMAINS TO BE ON OPPOSITE SIDE OF ROAD FROM ELECTRICAL TRANSFORMER.
 - SUBDRAINS TO BE INSTALLED AS PER OPSD 216.021.
 - ALL SERVICE LOCATIONS SHOWN ARE FOR GUIDELINE PURPOSES ONLY AND MAY DEVIATE AS PER THE DIRECTION OF THE TOWN WHEN STANDARD LOCATION CANNOT BE ACHIEVED.
 - WHERE ONE SIDEWALK IS CONSTRUCTED IT SHALL BE ON THE SOUTH AND EAST SIDE OF THE ROAD.
 - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.

NO.	REVISION	APR'D	DATE	TOWN OF COLLINGWOOD	APR'D: EDH	DATE: JAN/03
					DRAWN:	SCALE: NTS
				URBAN – LOCAL RESIDENTIAL 20.0m ROAD ALLOWANCE 8.5m ASPHALT SURFACE	STD. No. 201	

CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, 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.

Notes

- PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
- SEE SHEET 00704-DET1 FOR TYPICAL CROSS SECTION AND PAVEMENT DESIGN.
- ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
- COVER OVER WATERMAIN 1.7m MINIMUM AT ALL POINTS.
- SANITARY SEWER TO BE PVC SDR35.
- ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO SECTION ABOVE BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
- ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
- ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm AND ALL STORM MANHOLES TO HAVE A MINIMUM SUMP OF 300mm.
- STORM SEWERS TO BE HDPE.
- ALL DITCH INLET CATCHBASINS TO HAVE 3:1 GRATE (UNLESS OTHERWISE INDICATED)
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMAINS TO BE PVC WITH 20mmØ MUNICIPEX WATER SERVICES.
- THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED 'ISSUED FOR CONSTRUCTION'
- ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.

Benchmark Information

- BM1
TOP OF STANDARD IRON BAR LOCATED AT THE WESTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.413m
- BM2
TOP OF STANDARD IRON BAR LOCATED AT THE SOUTH-EASTERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 194.002m
- BM3
TOP OF STANDARD IRON BAR LOCATED AT THE NORTHERLY CORNER OF THE PROPERTY (AS SHOWN ON DRAWINGS)
ELEVATION 192.931m

4	JUN 02/26	THIRD SUBMISSION	TLB	SJC	
3	APR 08/26	SECOND SUBMISSION	TLB	SJC	
2	DEC 08/25	REVISED FIRST SUBMISSION	TLB	SJC	
1	OCT 15/25	FIRST SUBMISSION	TLB	SJC	
No.	DATE	DESCRIPTION	BY	APPD	

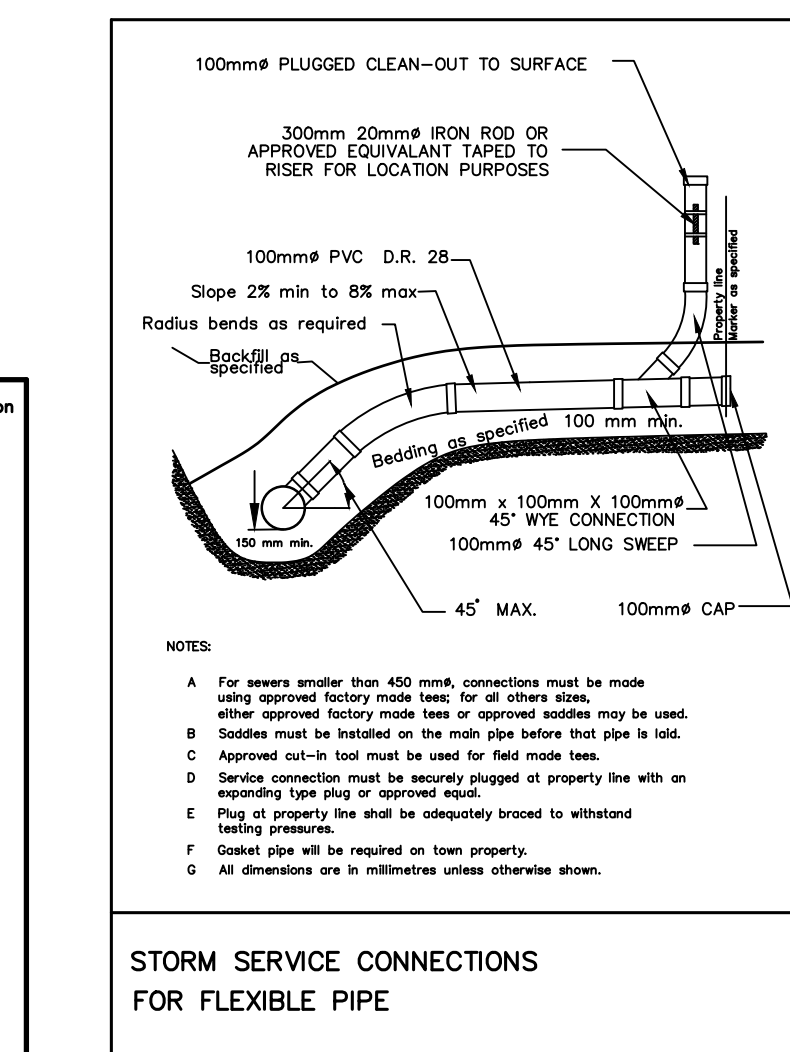
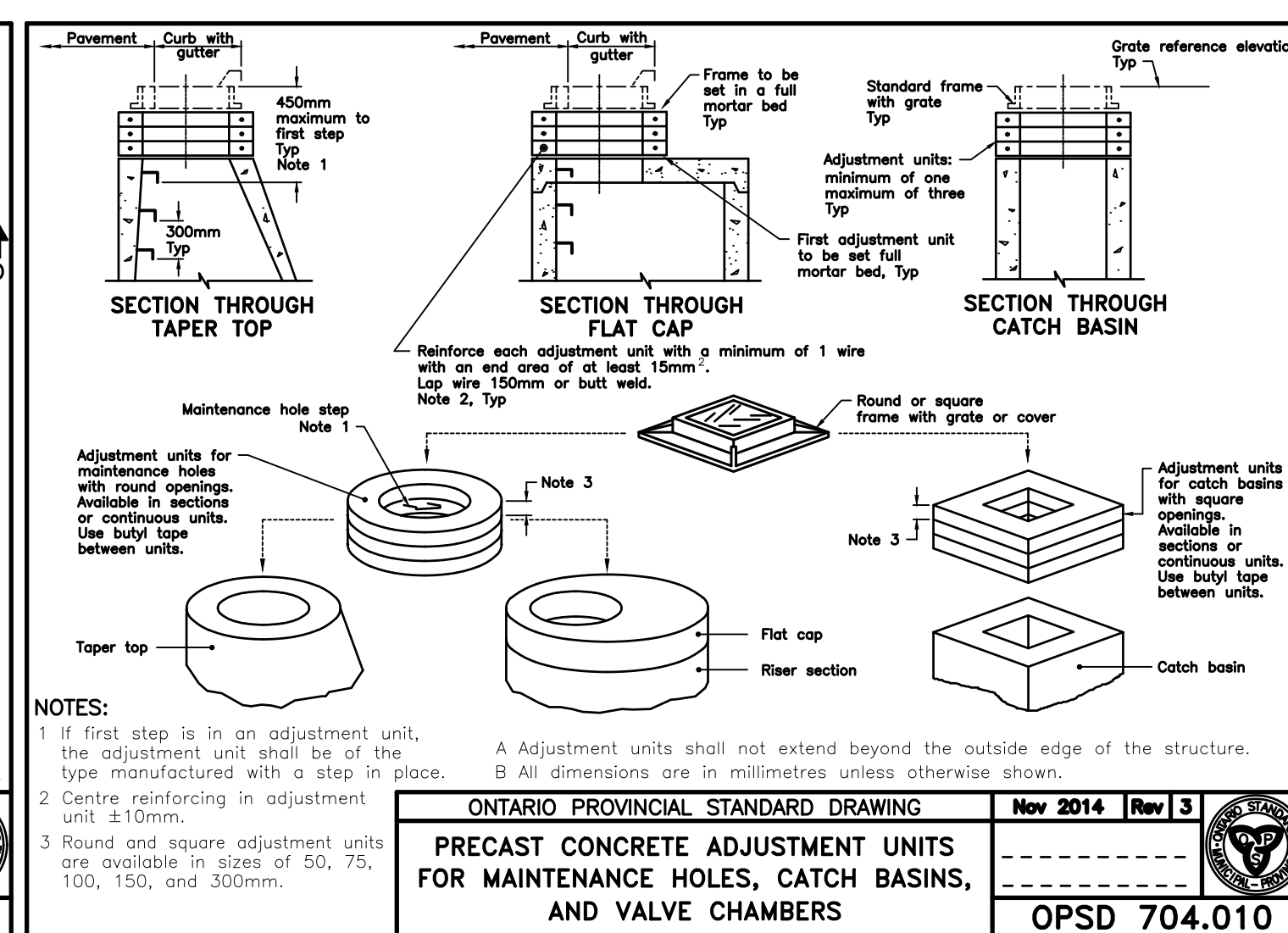
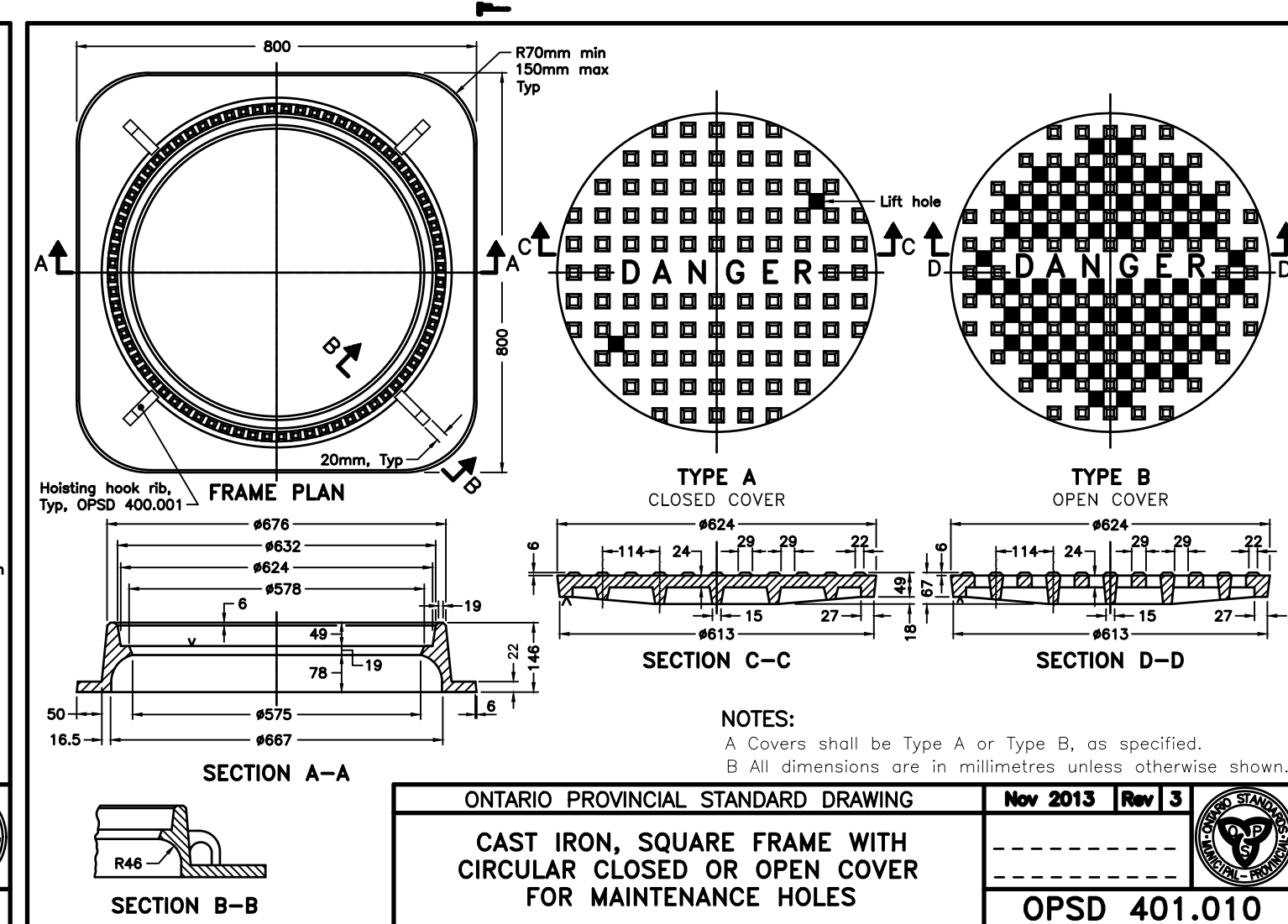
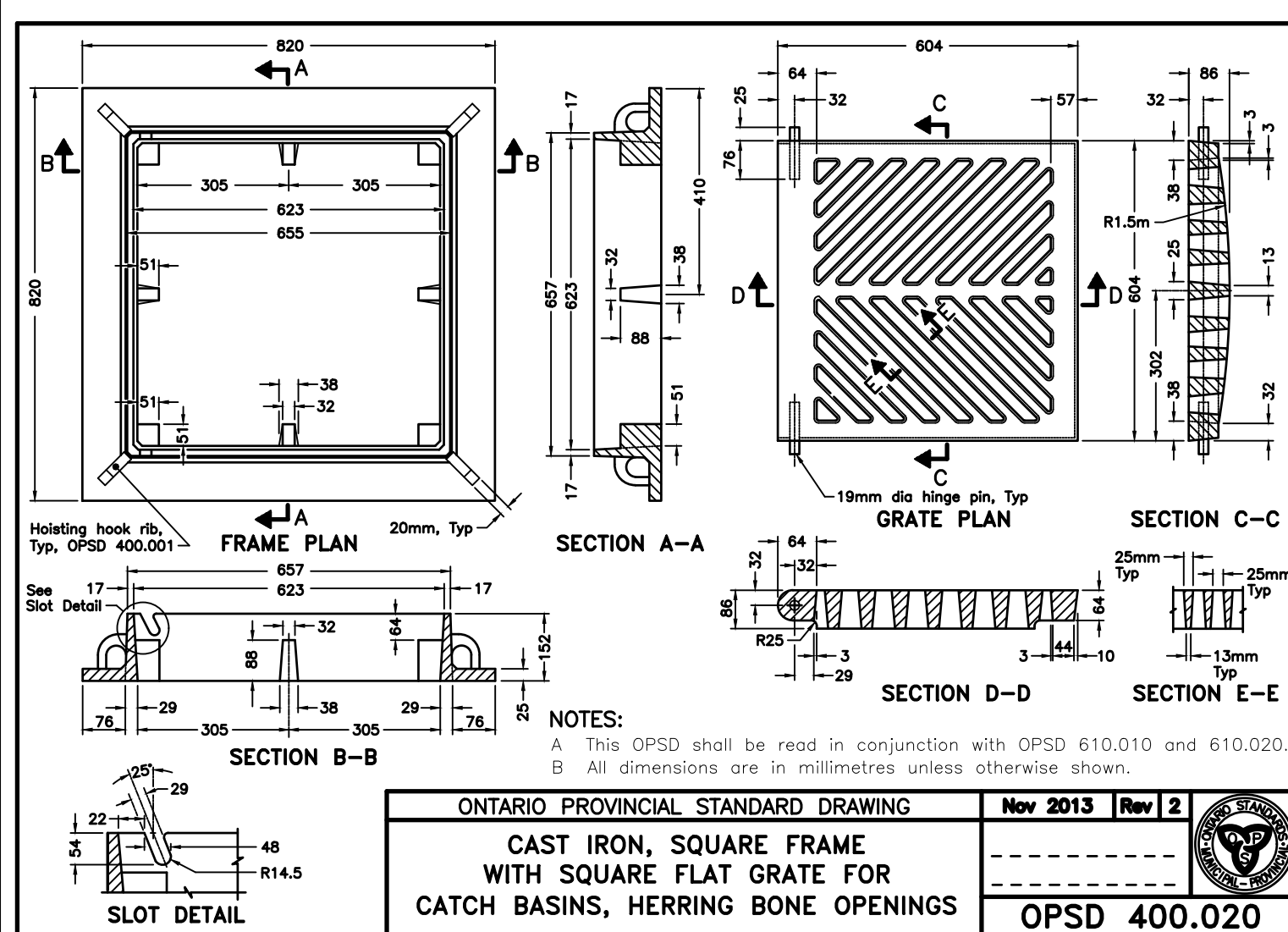
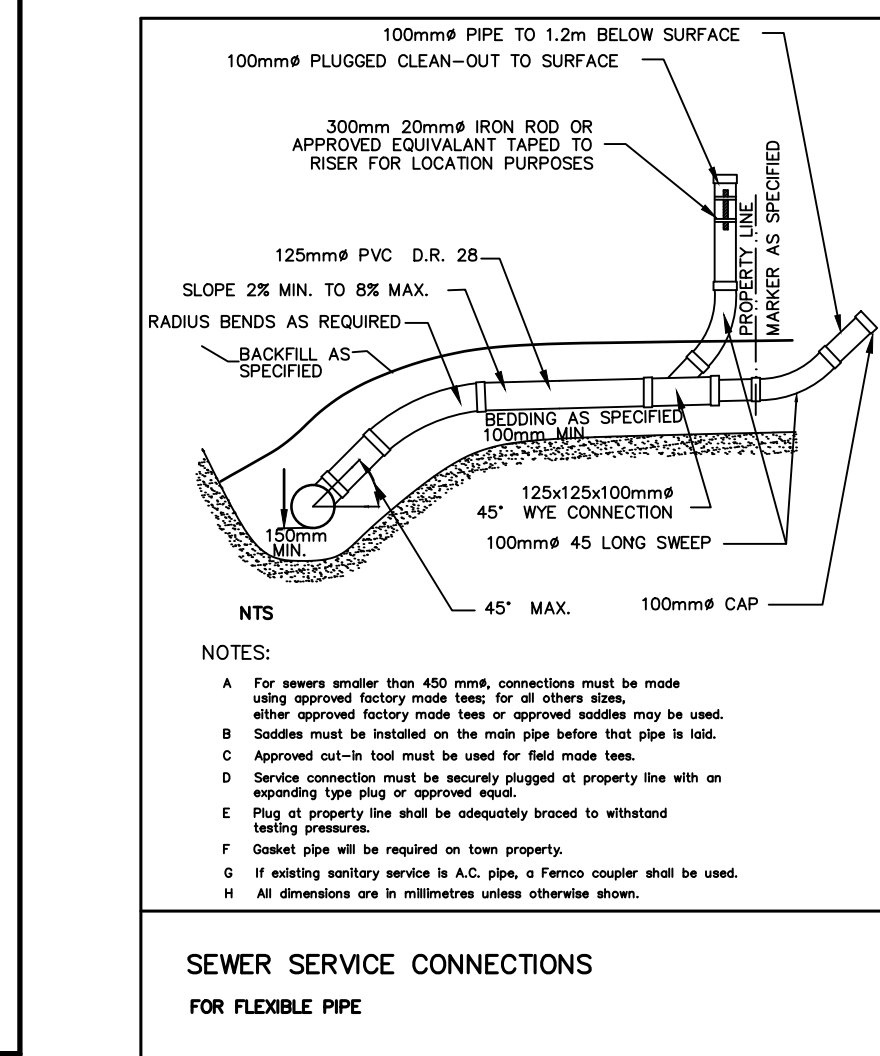
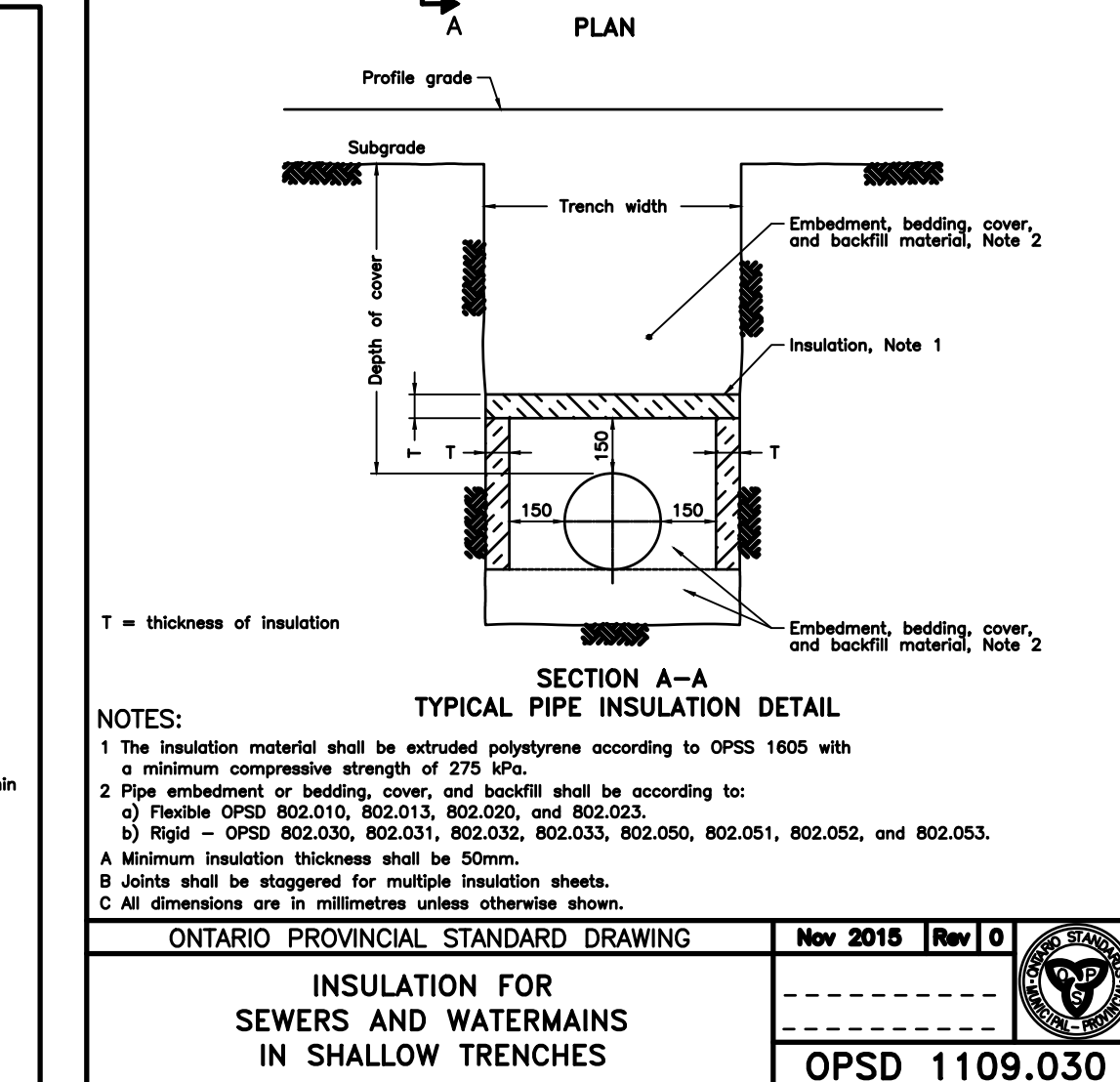
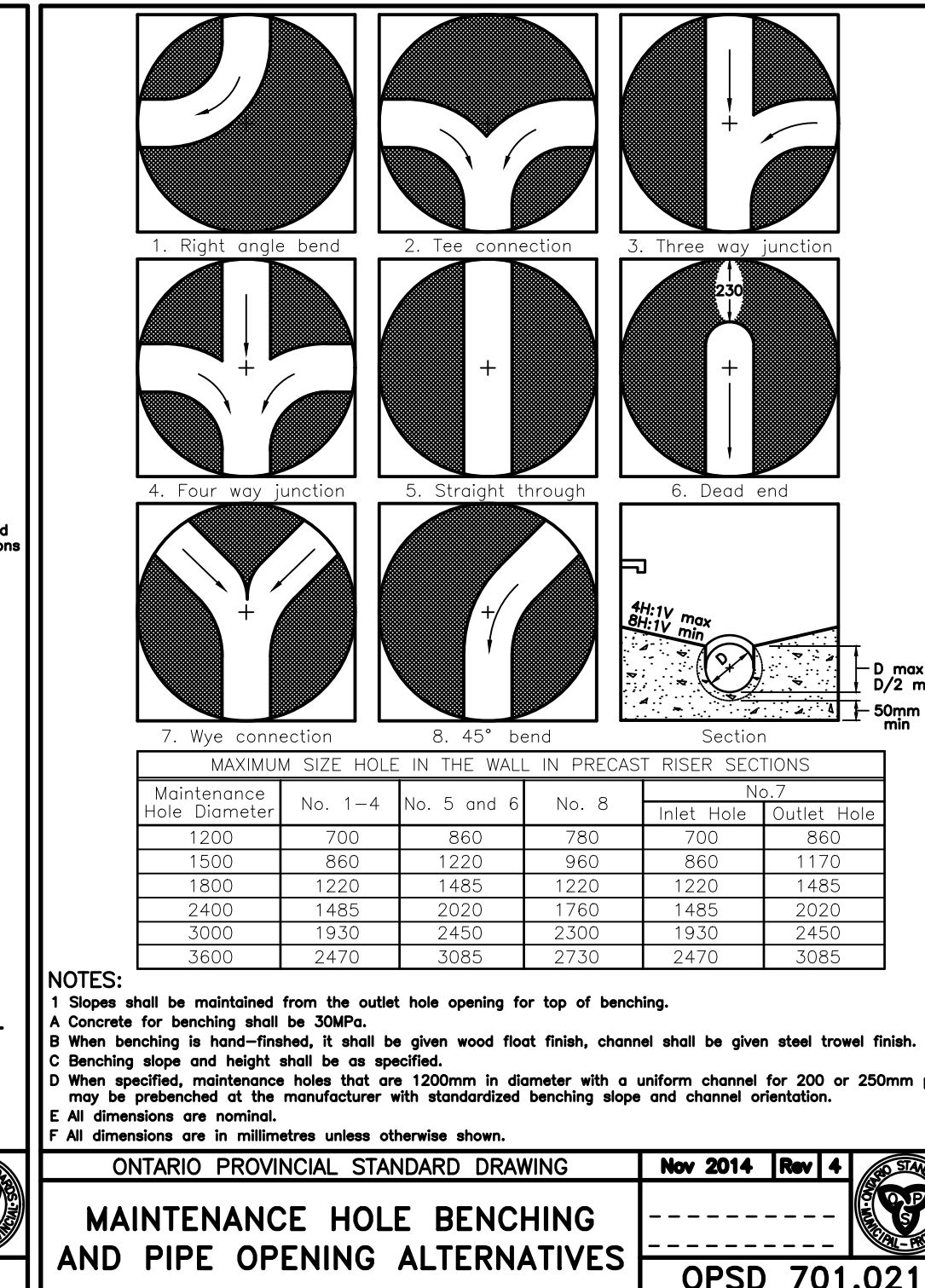
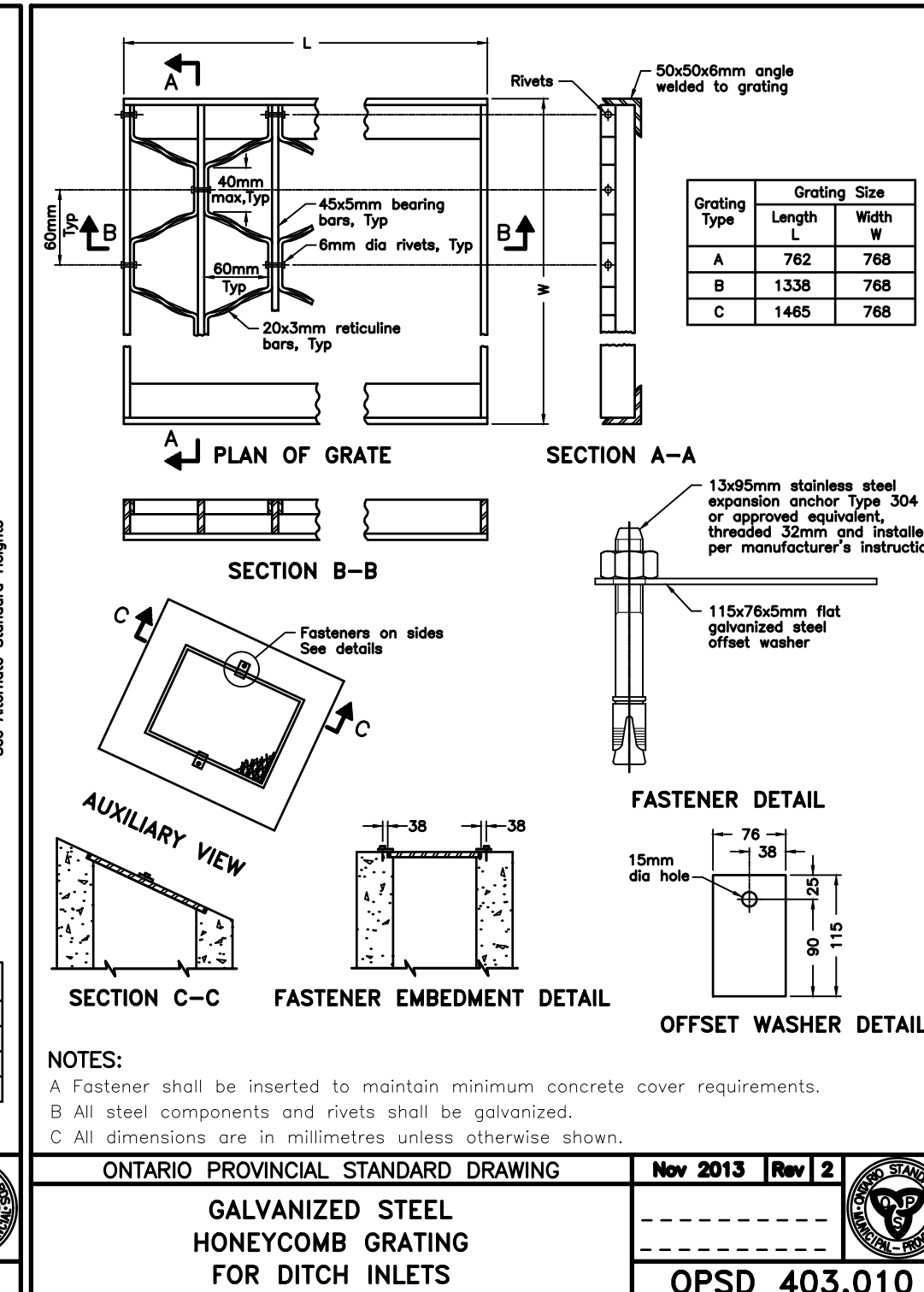
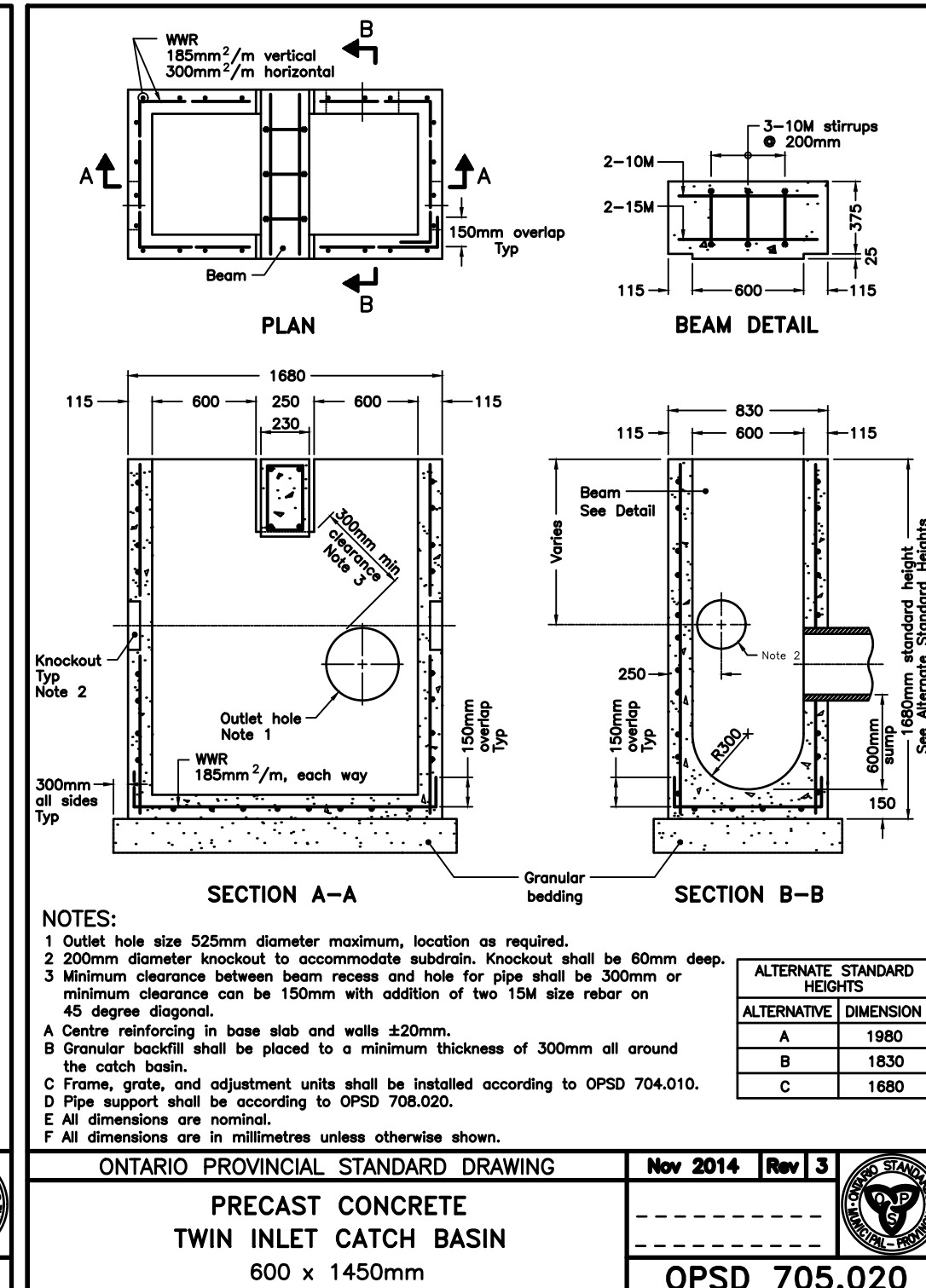
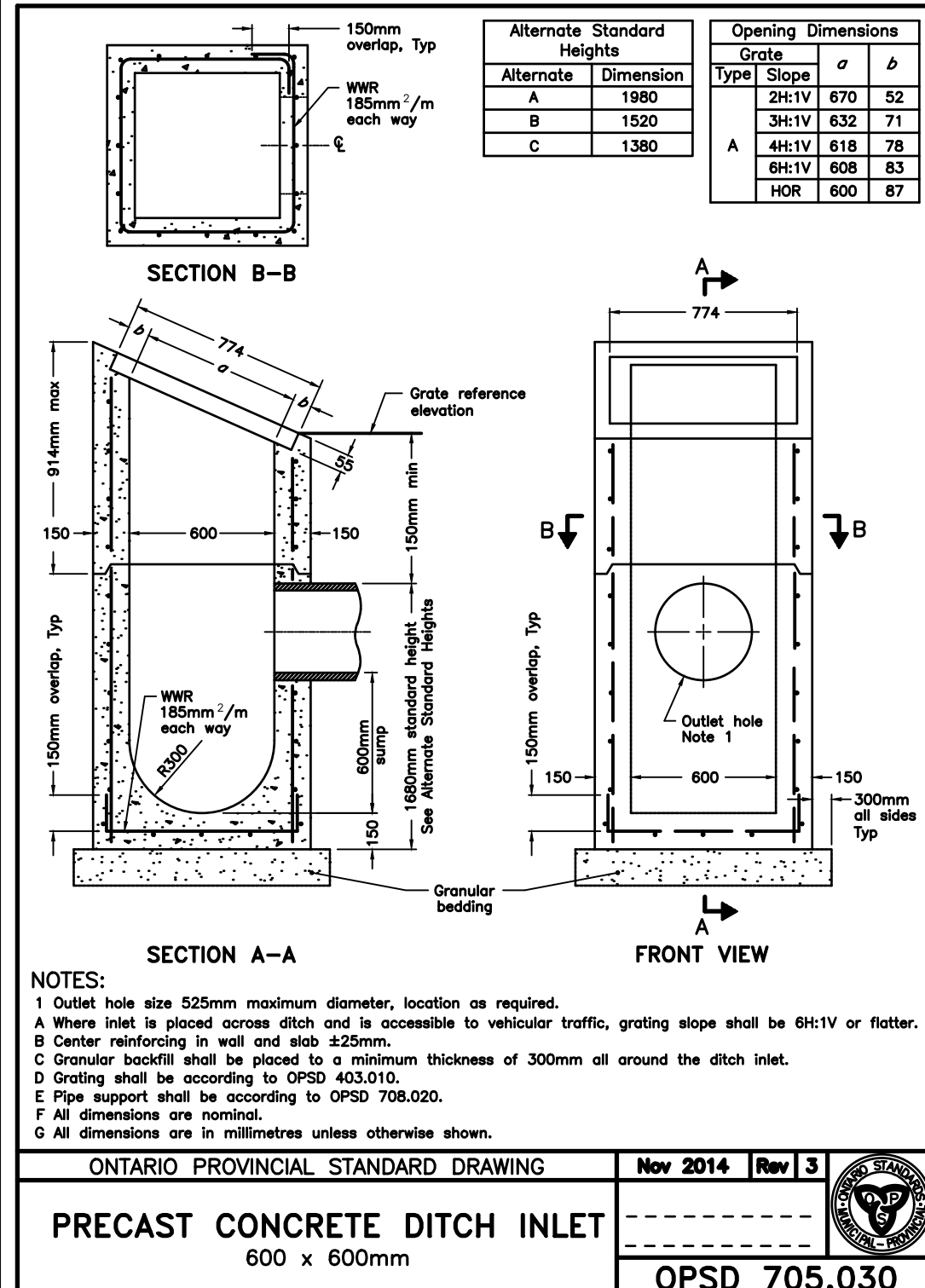
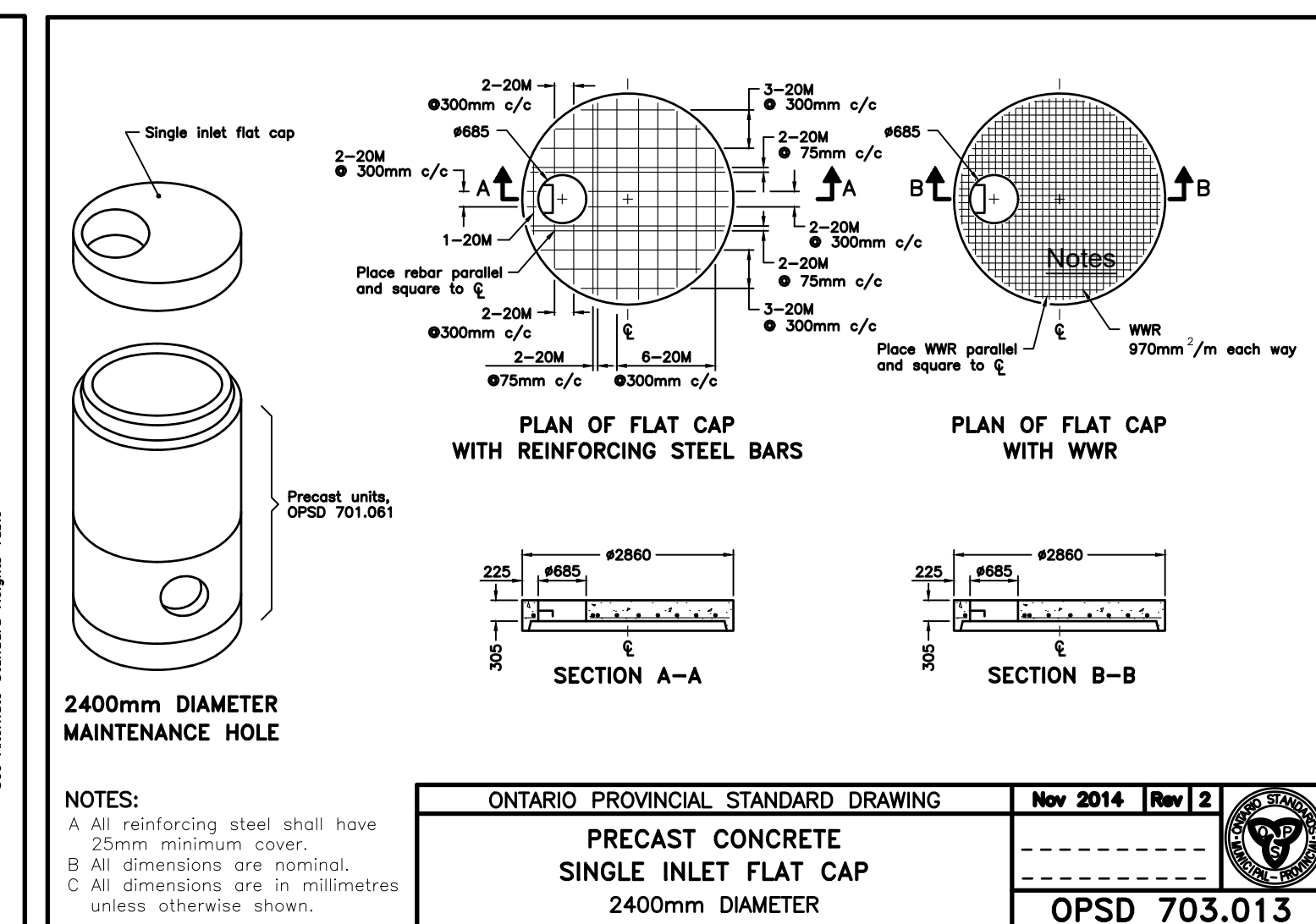
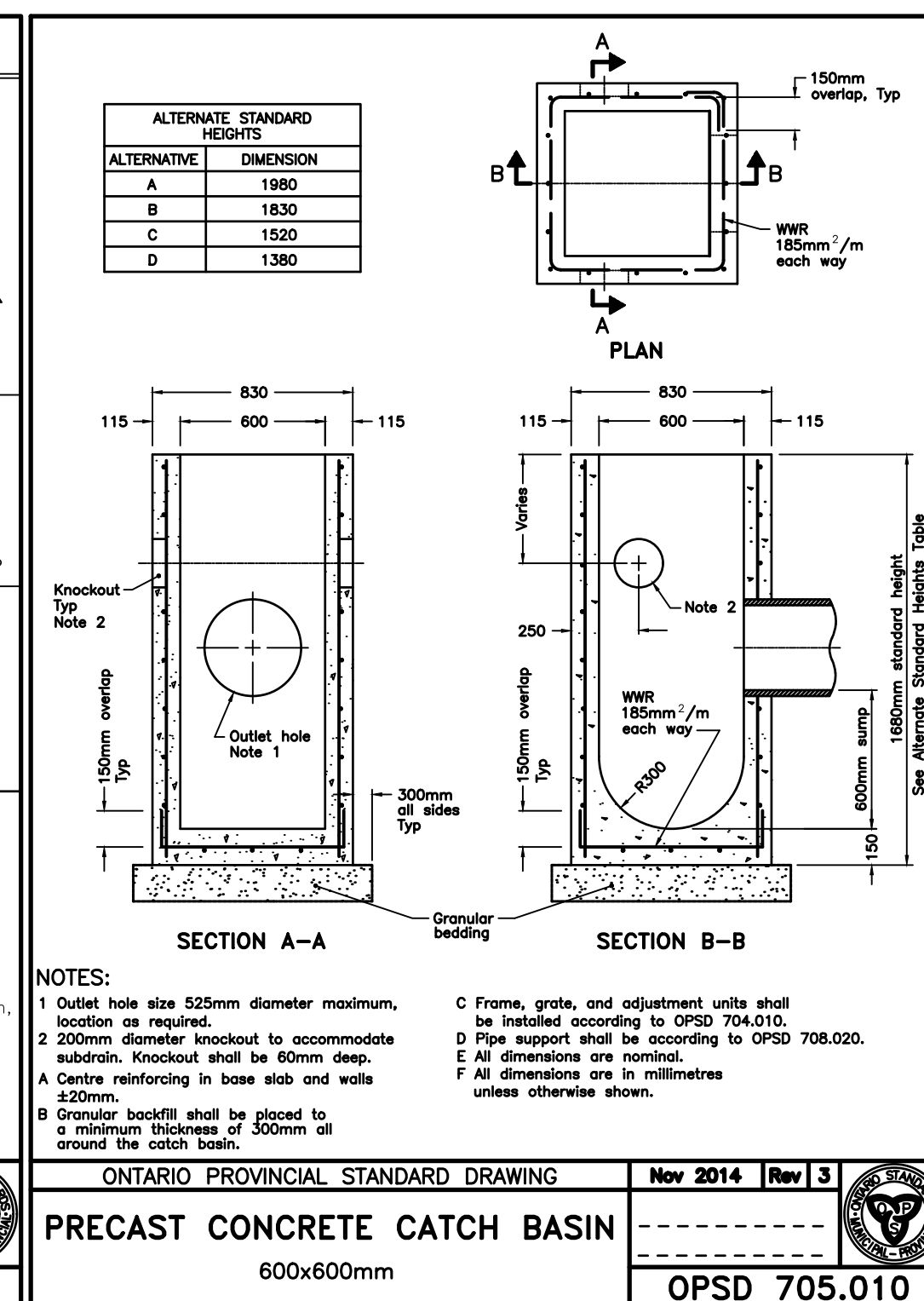
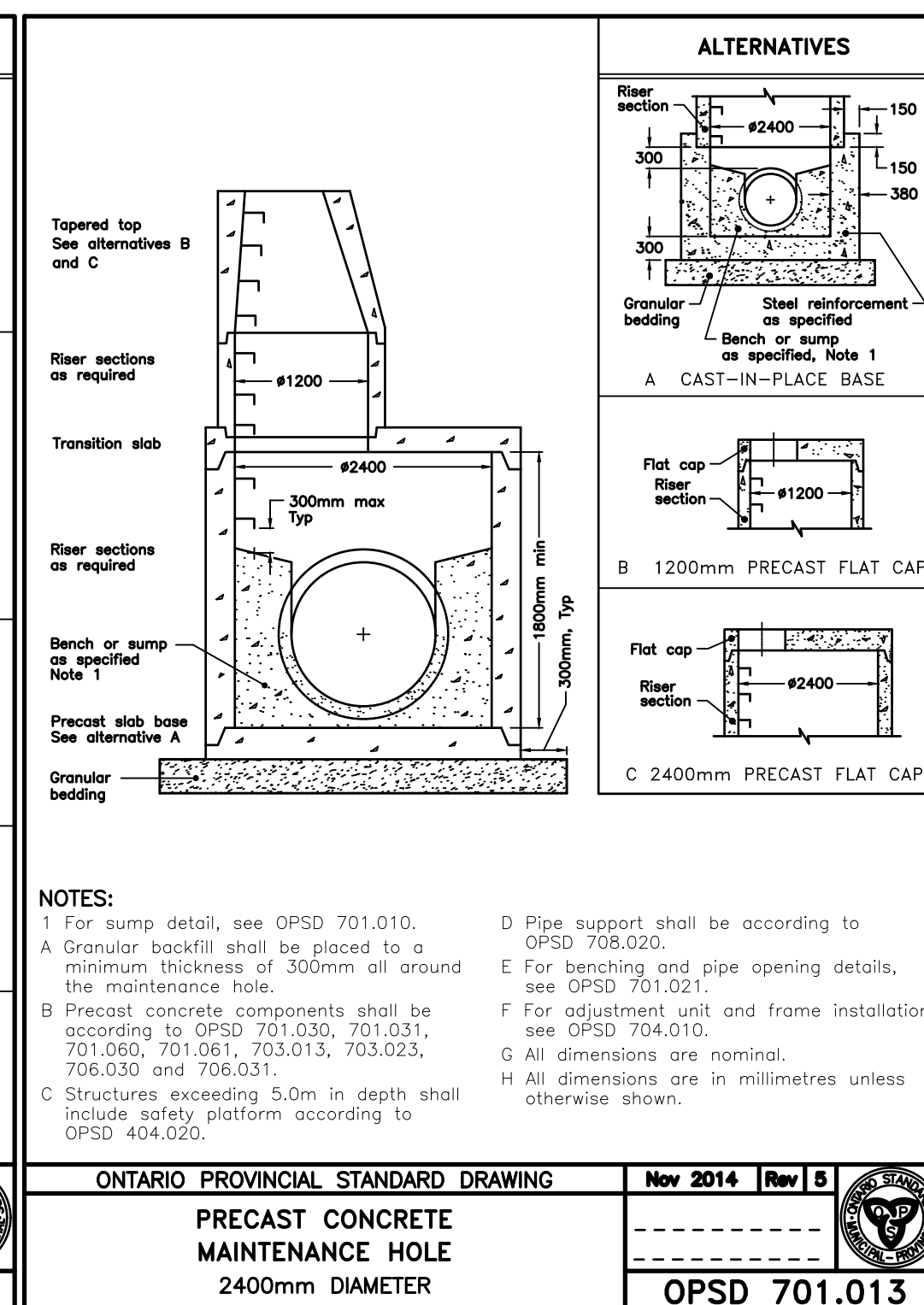
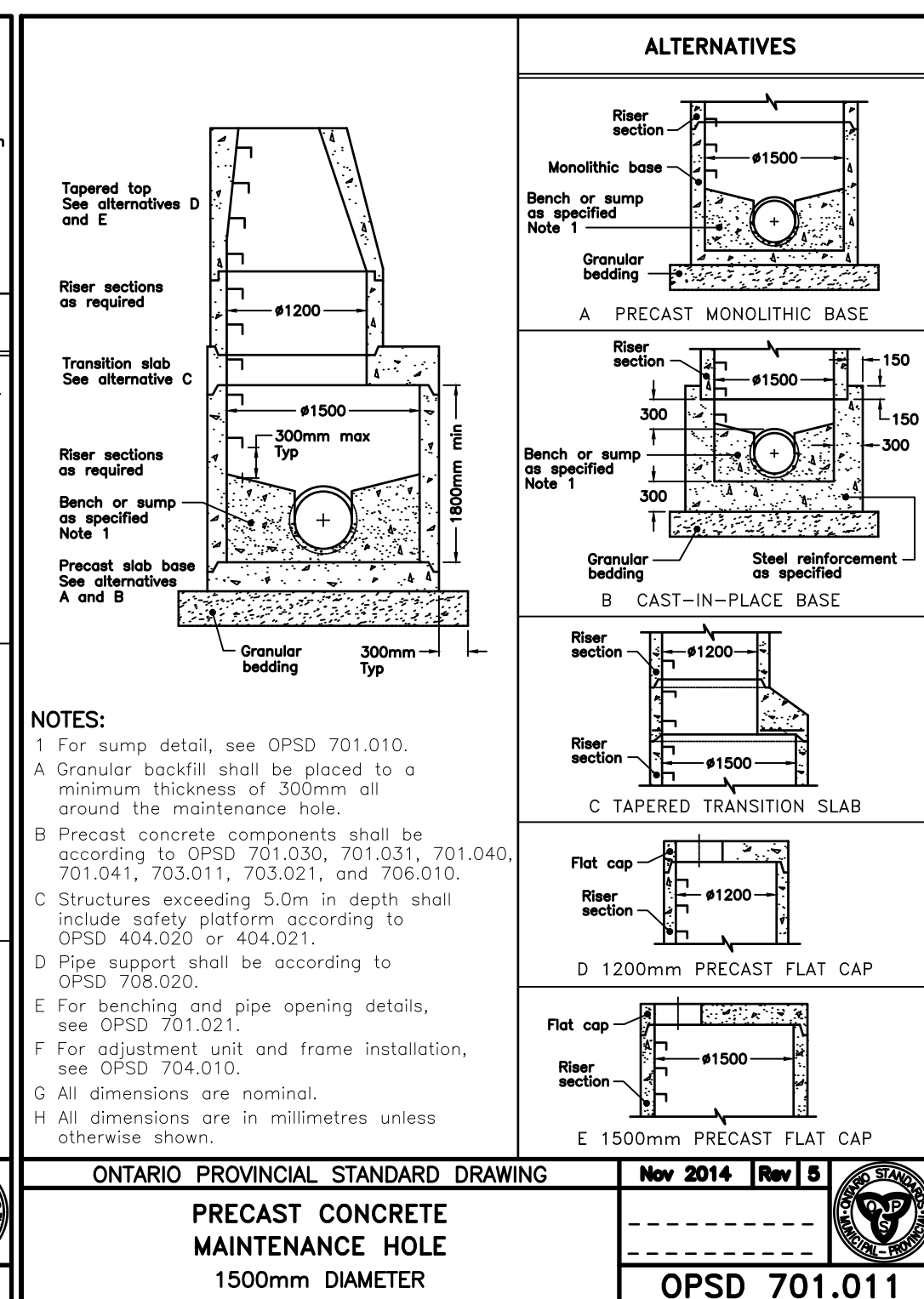
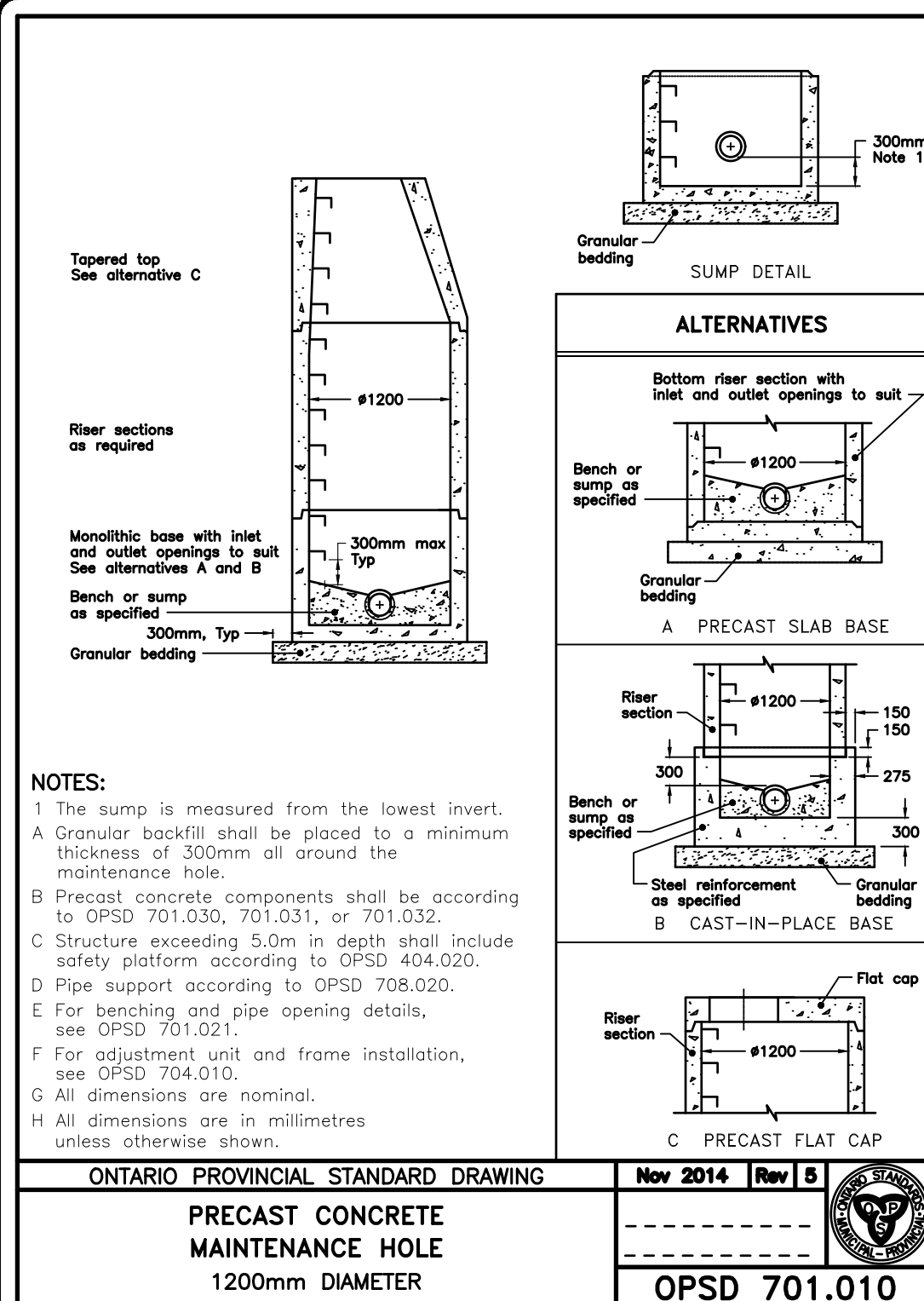
REVISION / ISSUE

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PROPOSED TOWNHOUSE DEVELOPMENT
TOWN OF COLLINGWOOD
PRETTY RIVER ESTATES
GENERAL NOTES &
TYPICAL STREET SECTIONS

Client:		SUNVALE HOMES LTD.	
Design:	TLB	Scale:	NTS
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	JUNE 2026		Design Engineer
DRAWING No.		00704-C13	



REVISION / ISSUE			
No.	DATE	DESCRIPTION	BY
4	JUN 02/26	THIRD SUBMISSION	TLB SJC
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Client: SUNVALE HOMES LTD.	
Design: TLB	Scale: NTS
Drawn: ID	Approved:
Checked: TLB	
Date: JUNE 2026	
Drawing No. 00704-C14	Design Engineer

