

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**
1. PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
 2. SEE SHEET 03910-C6 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 PERFORATED HDPE IN 50mmØ WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 0064-DET1.
 10. ALL DITCH INLET CATCHBASINS TO HAVE HORIZONTAL HONEYCOMB GRATE PER O.P.S.D.403.010.
 11. ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
 12. ALL WATERMAINS TO BE DUCTILE IRON WITH 20mmØ COPPER 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.

PROPOSED APARTMENT DEVELOPMENT

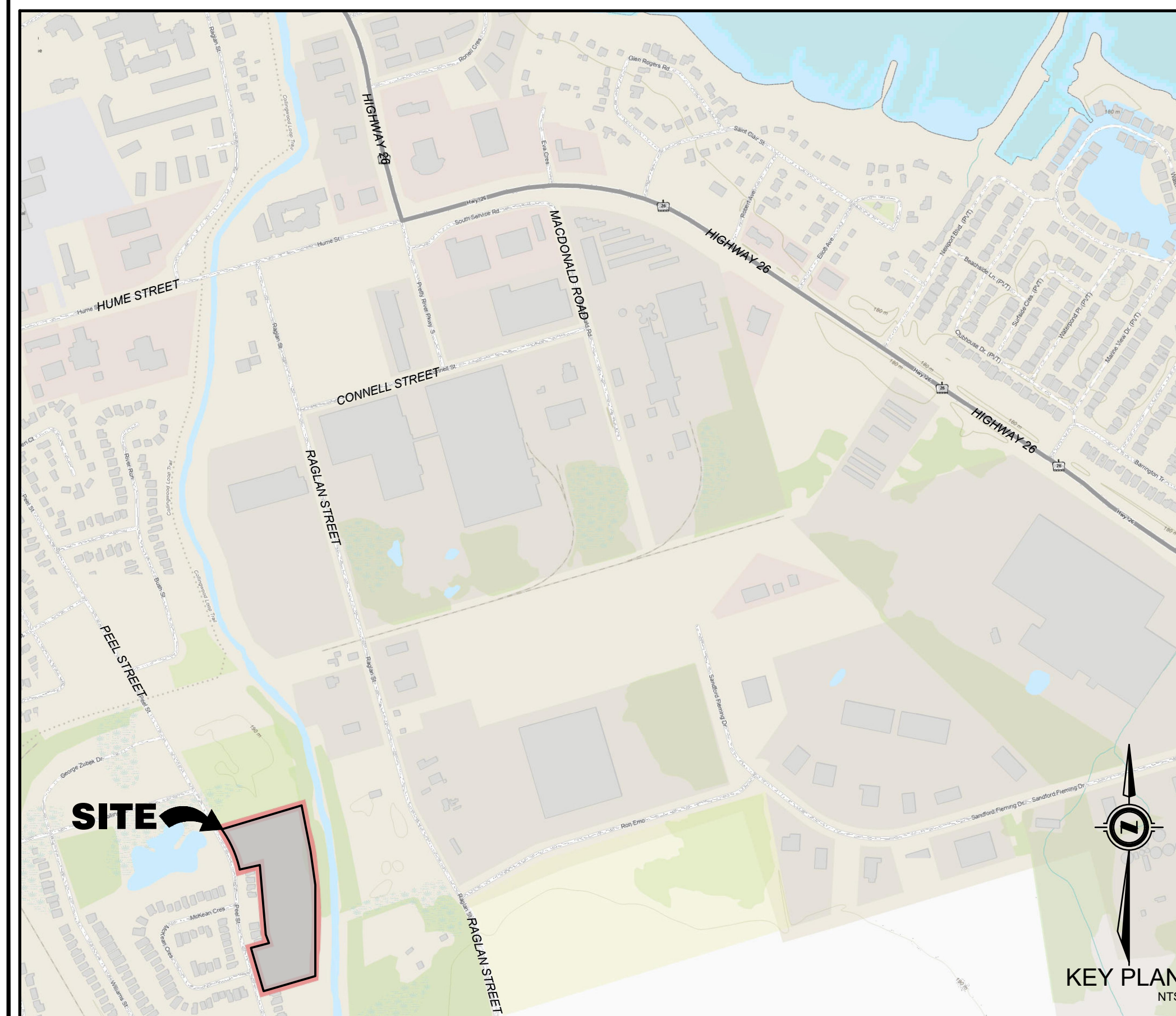
TOWN OF COLLINGWOOD COUNTY OF SIMCOE

CONTRACT NO. 25-03910-01

OWNER :
MAMTA HOMES

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No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

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517 - 10th STREET, Hanover, Ontario N4N 1R4
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TITLE SHEET

PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD

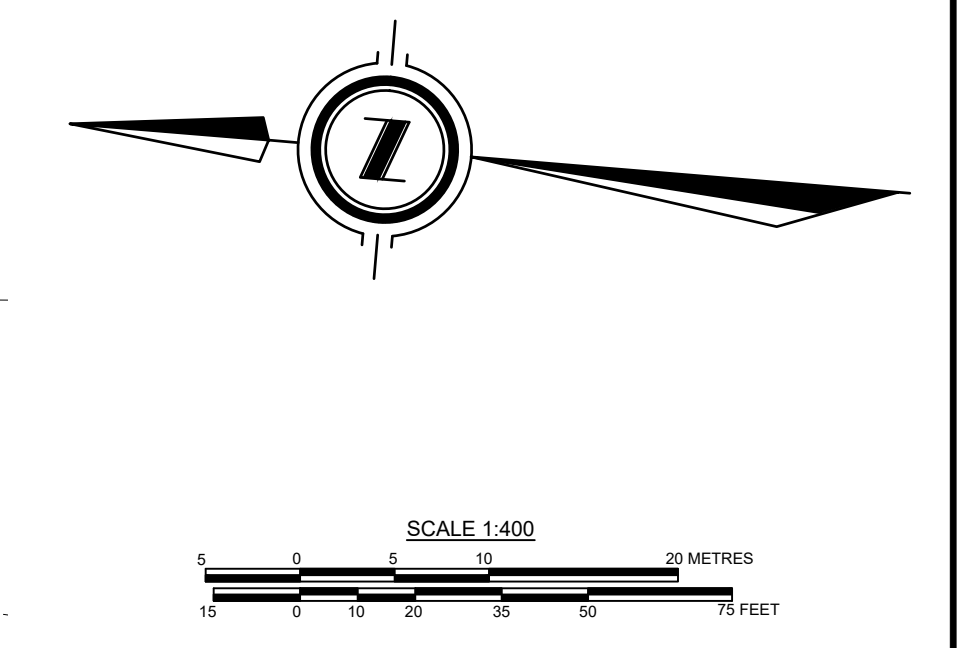
Client:	MAMTA HOMES		
Design:	TLB	Scale:	NTS
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	DECEMBER 2025		
DRAWING No.	03910-TS		

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LEGEND			
	PROPERTY BOUNDARY		PROPOSED SANITARY MANHOLE
	EDGE OF EXISTING PAVEMENT		EXISTING SANITARY MANHOLE
	EDGE OF EXISTING GRAVEL		EXISTING STORM MANHOLE
	PROPOSED SANITARY SEWER		EXISTING CATCHBASIN MANHOLE
	EXISTING SANITARY SEWER		PROPOSED TWIN INLET CATCHBASIN MANHOLE
	PROPOSED STORM SEWER		PROPOSED TWIN INLET CATCHBASIN
	EXISTING STORM SEWER		PROPOSED LIGHT POLE
	PROPOSED SUBDRAIN		PROPOSED CATCH BASIN
	PROPOSED WATERMAIN		EXISTING CATCH BASIN
	EXISTING WATERMAIN		PROPOSED DITCH INLET CATCHBASIN
			EXISTING FIRE HYDRANT
			PROPOSED GATE VALVE
			PROPOSED TEE c/w RESTRAINTS
			PROPOSED CAP c/w THRUST BLOCK
			PROPOSED BLOWOFF
			BENCHMARK
			PROPOSED ELEVATION
			EXISTING ELEVATION
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			PROPOSED TACTILE PLATES

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Benchmark Information

	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE	
	ELEVATION	188.739m
	NORTHING	4926726.864
	EASTING	563637.181

No.	DATE	DESCRIPTION	BY	APPD
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REVISION / ISSUE	

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**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD**

EXISTING CONDITION & REMOVALS PLAN

Client: MAMTA HOMES

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	Design Engineer

DRAWING No. 03910-C1

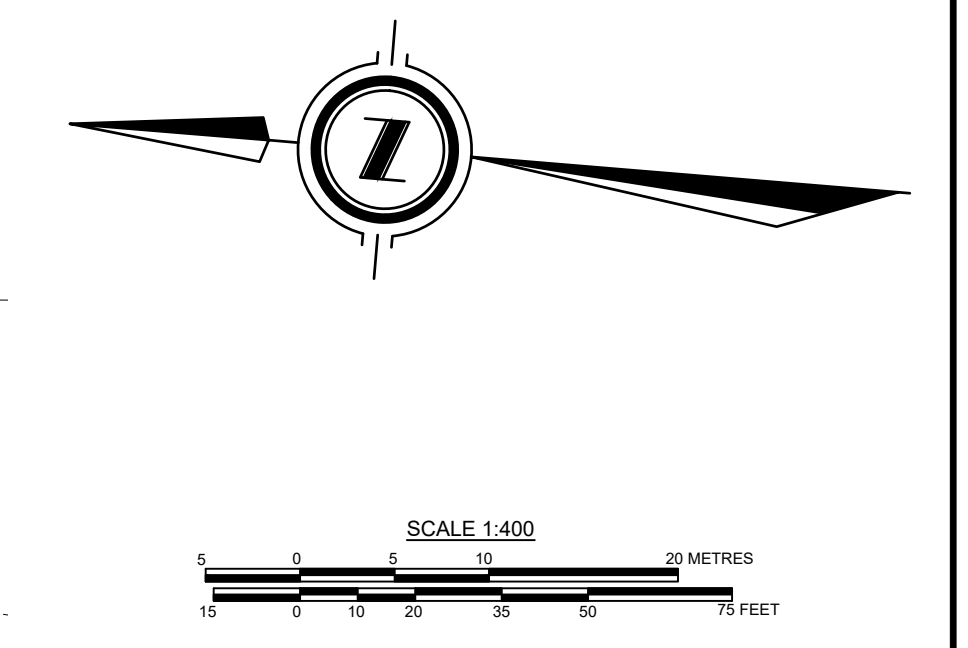


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LEGEND			
	PROPERTY BOUNDARY		PROPOSED SANITARY MANHOLE
	EDGE OF EXISTING PAVEMENT		EXISTING SANITARY MANHOLE
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	PROPOSED SANITARY SEWER		EXISTING STORM MANHOLE
	EXISTING SANITARY SEWER		PROPOSED CATCHBASIN MANHOLE
	PROPOSED STORM SEWER		EXISTING CATCHBASIN MANHOLE
	EXISTING STORM SEWER		PROPOSED TRANSFORMER
	PROPOSED SUBDRAIN		PROPOSED TWIN INLET CATCHBASIN MANHOLE
	EXISTING WATERMAIN		PROPOSED TWIN INLET CATCHBASIN
	PROPOSED LIGHT-DUTY SILT FENCE PER OPSD 219.110		PROPOSED TWIN INLET CATCHBASIN
	PROPOSED LIGHT-DUTY SILT FENCE PER OPSD 219.110		PROPOSED LIGHT POLE
	PROPOSED CATCH BASIN		PROPOSED CATCH BASIN
	EXISTING CATCH BASIN		PROPOSED DITCH INLET CATCHBASIN
	PROPOSED DITCH INLET CATCHBASIN		PROPOSED HYDRANT SET
	PROPOSED HYDRANT SET		EXISTING FIRE HYDRANT
	PROPOSED GATE VALVE		EXISTING GATE VALVE
	PROPOSED BEND c/w RESTRAINTS		EXISTING BEND c/w RESTRAINTS
	PROPOSED TEE c/w RESTRAINTS		PROPOSED TEE c/w RESTRAINTS
	PROPOSED CAP c/w THRUST BLOCK		BENCHMARK
	PROPOSED BLOWOFF		PROPOSED ELEVATION
	BENCHMARK		EXISTING ELEVATION
	PROPOSED ELEVATION		EXISTING CONTOUR LINE
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HARMONY LIVING COLLINGWOOD**

EROSION AND SEDIMENT CONTROL PLAN

Client: **MAMTA HOMES**

Design: TLB	Scale: 1:400
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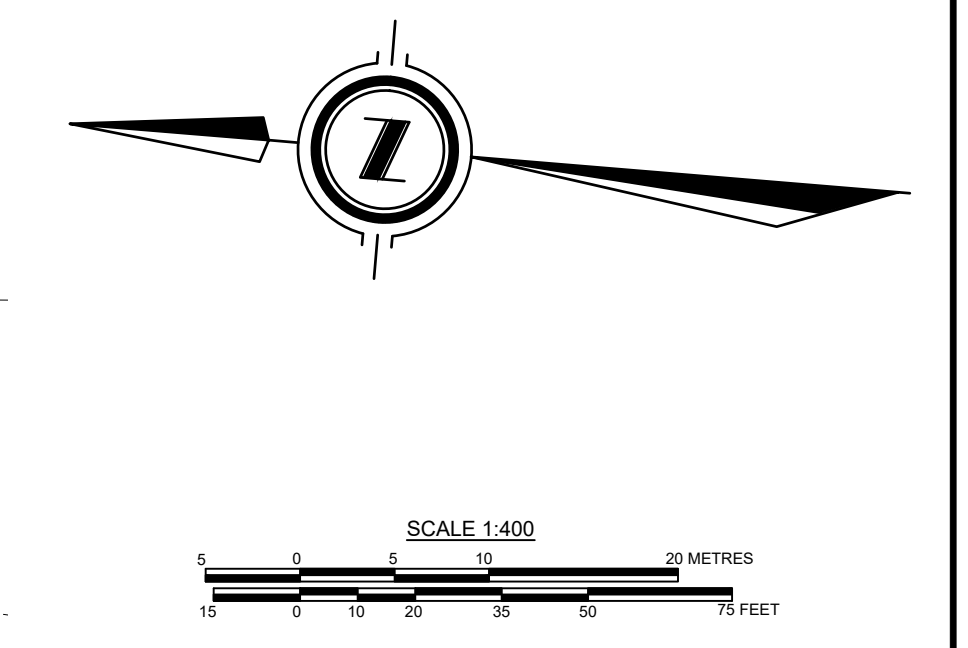
DRAWING No. 03910-C2.0

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Benchmark Information

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	LIVING SITE	188.739m
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**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD**

TREE RETENTION PLAN

Client: MAMTA HOMES

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	Design Engineer

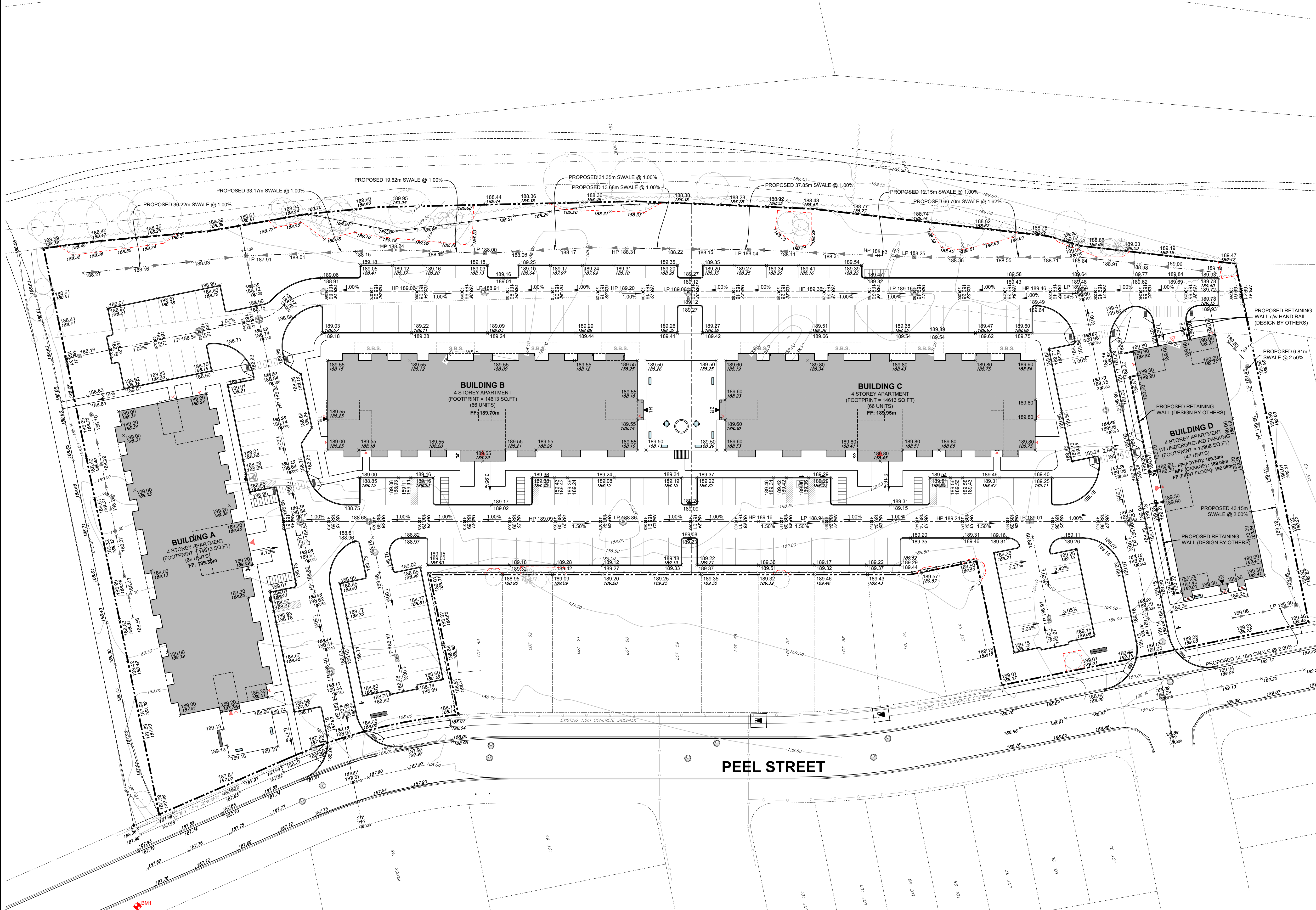
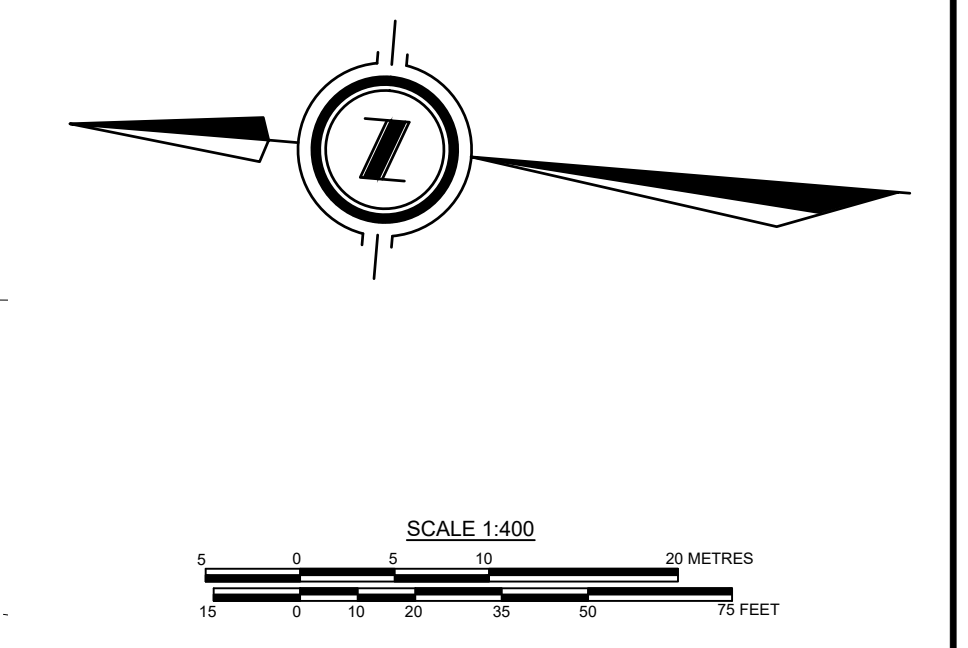
DRAWING No. 03910-C2.1

LEGEND

--- PROPERTY BOUNDARY	● SANMH	○ PROPOSED SANITARY MANHOLE	□ CB	○ PROPOSED CATCH BASIN	○ PROPOSED TEE c/w RESTRAINTS
- - - EDGE OF EXISTING PAVEMENT	○ STMMH	○ EXISTING SANITARY MANHOLE	□ DICB	○ EXISTING CATCH BASIN	○ PROPOSED CAP c/w THRUST BLOCK
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--- PROPOSED SANITARY SEWER	○ STMMH	○ EXISTING STORM MANHOLE	○ PROPOSED FIRE HYDRANT SET	○ EXISTING FIRE HYDRANT SET	○ BENCHMARK
--- EXISTING SANITARY SEWER	○ CBMH	○ PROPOSED CATCHBASIN MANHOLE	○ EXISTING GATE VALVE	○ EXISTING GATE VALVE	○ PROPOSED ELEVATION
--- PROPOSED STORM SEWER	○ TICBMH	○ PROPOSED TRANSFORMER	○ EXISTING GATE VALVE	○ EXISTING GATE VALVE	○ EXISTING CONTOUR LINE
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--- PROPOSED SUBDRAIN	○ TICB	○ PROPOSED TWIN INLET CATCHBASIN	○ PROPOSED BEND c/w RESTRAINTS	○ PROPOSED BEND c/w RESTRAINTS	
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--- EXISTING WATERMAIN					

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BM1	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE	ELEVATION	188.739m
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**PROPOSED APARTMENT DEVELOPMENT
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 HARMONY LIVING COLLINGWOOD**

SITE GRADING PLAN

Client: MAMTA HOMES

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	Design Engineer

DRAWING No. 03910-C4

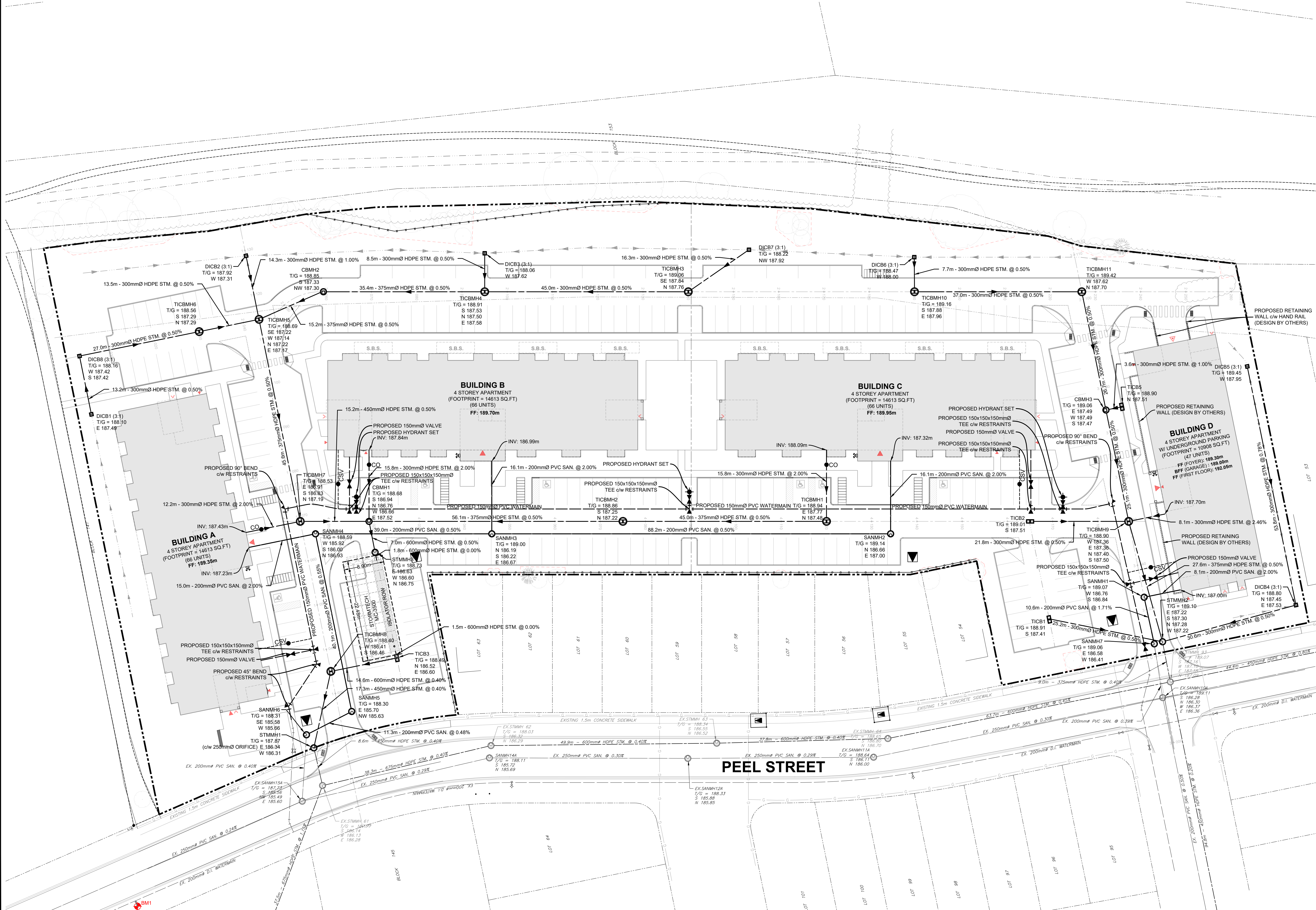
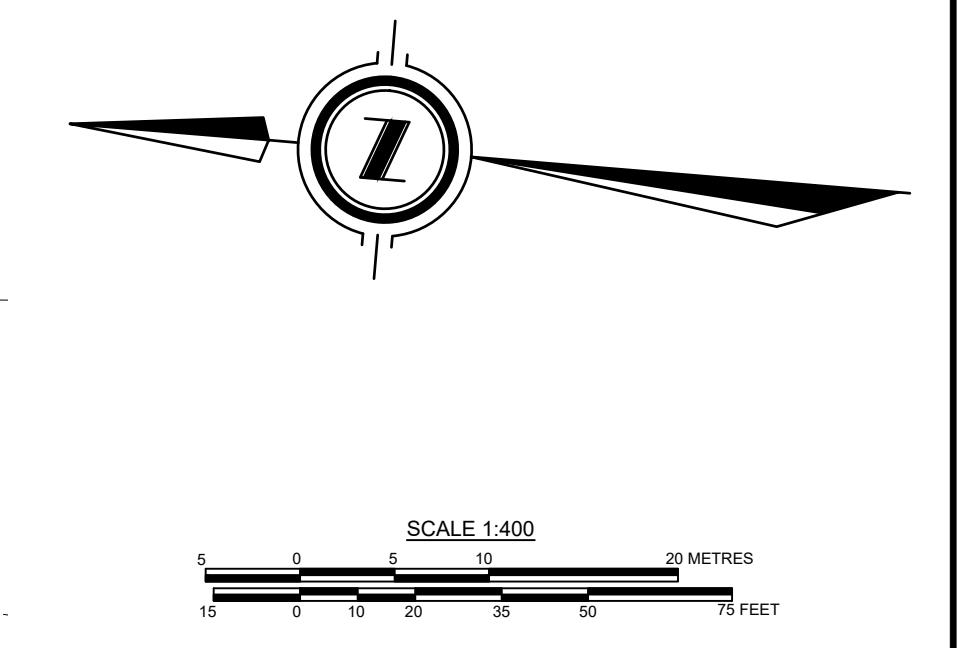
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LEGEND

<ul style="list-style-type: none"> --- 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 	<ul style="list-style-type: none"> ● SANMH ○ SANMH ○ STMMH ○ STMMH ○ CBMH ○ TICBMH ○ TICB ○ TICB ○ L 	<ul style="list-style-type: none"> ○ 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 	<ul style="list-style-type: none"> □ CB □ DICB □ CB □ DICB □ CB □ DICB □ CB □ DICB □ CB □ DICB
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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**
1. PROPERTY BOUNDARY DERIVED FROM PLAN OF SURVEY BY ZUBEK, EMO, PATTEN AND THOMSEN LTD.
 2. SEE SHEET 03910-C6 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 PERFORATED HDPE IN 50mmØ WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 0064-DET1.
 10. ALL DITCH INLET CATCHBASINS TO HAVE HORIZONTAL HONEYCOMB GRATE PER O.P.S.D.403.010.
 11. ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
 12. ALL WATERMANS TO BE DUCTILE IRON WITH 20mmØ COPPER 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.



Benchmark Information

BM1	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE	ELEVATION NORTHING EASTING	188.739m 4926726.864 563637.181
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No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

Seal not valid unless signed and dated

REVISION / ISSUE	

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**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD**

SITE SERVICING PLAN

Client: **MAMTA HOMES**

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	Design Engineer

DRAWING No. **03910-C5**

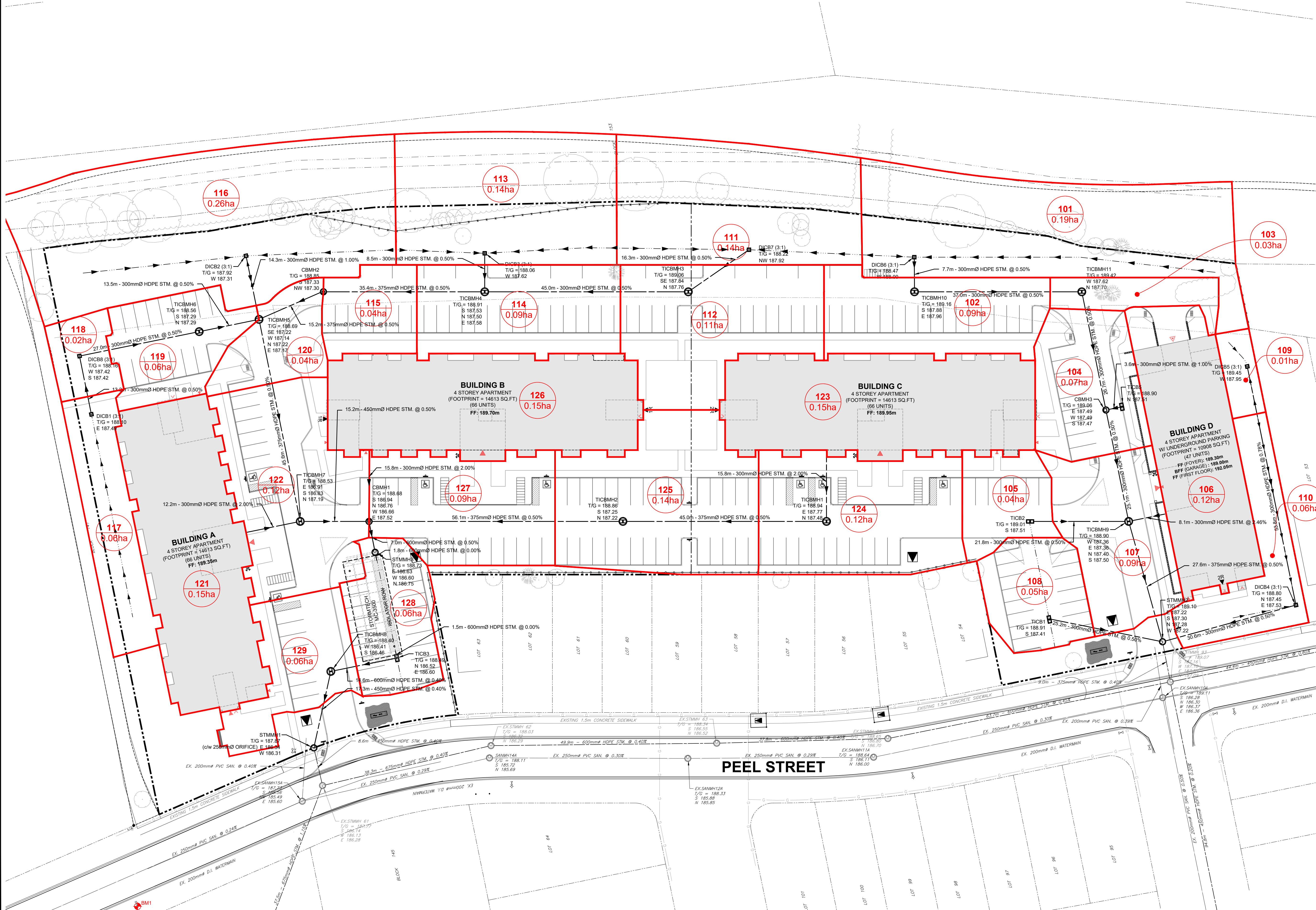
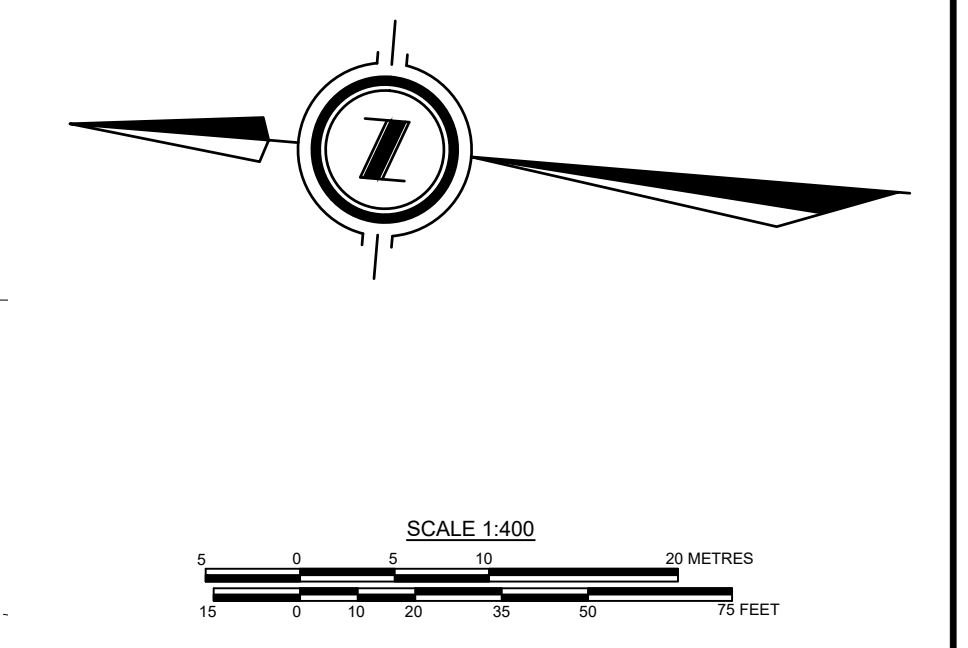
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LEGEND

<ul style="list-style-type: none"> --- 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 	<ul style="list-style-type: none"> ● SANMH ○ SANMH ○ STMMH ○ STMMH ○ CBMH ○ TICBMH ○ TICBMH ○ TICB ○ TICB 	<ul style="list-style-type: none"> ○ PROPOSED SANITARY MANHOLE ○ EXISTING SANITARY MANHOLE ○ PROPOSED STORM MANHOLE ○ EXISTING STORM MANHOLE ○ PROPOSED CATCHBASIN MANHOLE ○ EXISTING CATCHBASIN MANHOLE ○ PROPOSED TRANSFORMER ○ PROPOSED TWIN INLET CATCHBASIN MANHOLE ○ EXISTING TWIN INLET CATCHBASIN ○ PROPOSED LIGHT POLE 	<ul style="list-style-type: none"> □ CB □ DICB □ CB □ DICB □ CB □ DICB □ CB □ DICB □ CB □ DICB 	<ul style="list-style-type: none"> ○ PROPOSED CATCH BASIN ○ EXISTING CATCH BASIN ○ PROPOSED DITCH INLET CATCHBASIN ○ EXISTING DITCH INLET CATCHBASIN ○ PROPOSED HYDRANT SET ○ EXISTING FIRE HYDRANT ○ PROPOSED GATE VALVE ○ EXISTING GATE VALVE ○ PROPOSED BEND c/w RESTRAINTS ○ EXISTING BEND c/w RESTRAINTS 	<ul style="list-style-type: none"> ○ PROPOSED TEE c/w RESTRAINTS ○ PROPOSED CAP c/w THRUST BLOCK ○ PROPOSED BLOWOFF ○ BENCHMARK ○ PROPOSED ELEVATION ○ EXISTING ELEVATION ○ EXISTING CONTOUR LINE ○ PROPOSED TACTILE PLATES
--	--	---	--	---	---

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Benchmark Information

BM1
TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE

ELEVATION	188.739m
NORTHING	4926726.864
EASTING	563637.181

No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

REVISION / ISSUE

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www.cobideeng.com

**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD**

STORM CATCHMENT AREAS

Client: MAMTA HOMES

Design:	TLB	Scale:	1:400
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	DECEMBER 2025		

DRAWING No. 03910-C6

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LEGEND

—	PROPERTY BOUNDARY	●	SANMH	○	PROPOSED SANITARY MANHOLE	□	CB	○	PROPOSED TEE c/w RESTRAINTS
- - -	EDGE OF EXISTING PAVEMENT	○	EXISTING SANITARY MANHOLE	□	EXISTING CATCH BASIN	□	DICB	○	PROPOSED CAP c/w THRUST BLOCK
- - -	EDGE OF EXISTING GRAVEL	○	PROPOSED STORM MANHOLE	□	PROPOSED DITCH INLET CATCHBASIN	○	BM	○	PROPOSED BLOWOFF
- - -	PROPOSED SANITARY SEWER	○	EXISTING STORM MANHOLE	□	PROPOSED HYDRANT SET	○	BM	○	BENCHMARK
- - -	EXISTING SANITARY SEWER	○	PROPOSED CATCHBASIN MANHOLE	□	EXISTING FIRE HYDRANT	○	BM	○	PROPOSED ELEVATION
- - -	PROPOSED STORM SEWER	○	PROPOSED TRANSFORMER	□	PROPOSED GATE VALVE	○	BM	○	EXISTING ELEVATION
- - -	EXISTING STORM SEWER	○	PROPOSED TWIN INLET CATCHBASIN MANHOLE	□	EXISTING GATE VALVE	○	BM	○	EXISTING CONTOUR LINE
- - -	PROPOSED SUBDRAIN	○	PROPOSED TWIN INLET CATCHBASIN	□	PROPOSED BEND c/w RESTRAINTS	○	BM	○	PROPOSED TACTILE PLATES
- - -	PROPOSED WATERMAIN	○	PROPOSED LIGHT POLE	□		○	BM		
- - -	EXISTING WATERMAIN	○		□		○	BM		

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Scale: 1:400

0 5 10 20 30 40 50 60 75 METRES

0 10 20 30 40 50 60 75 FEET

Benchmark Information

BM1	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING	ELEVATION	188.739m
	NORTHING		4926726.864
	EASTING		563637.181

No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
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REVISION / ISSUE

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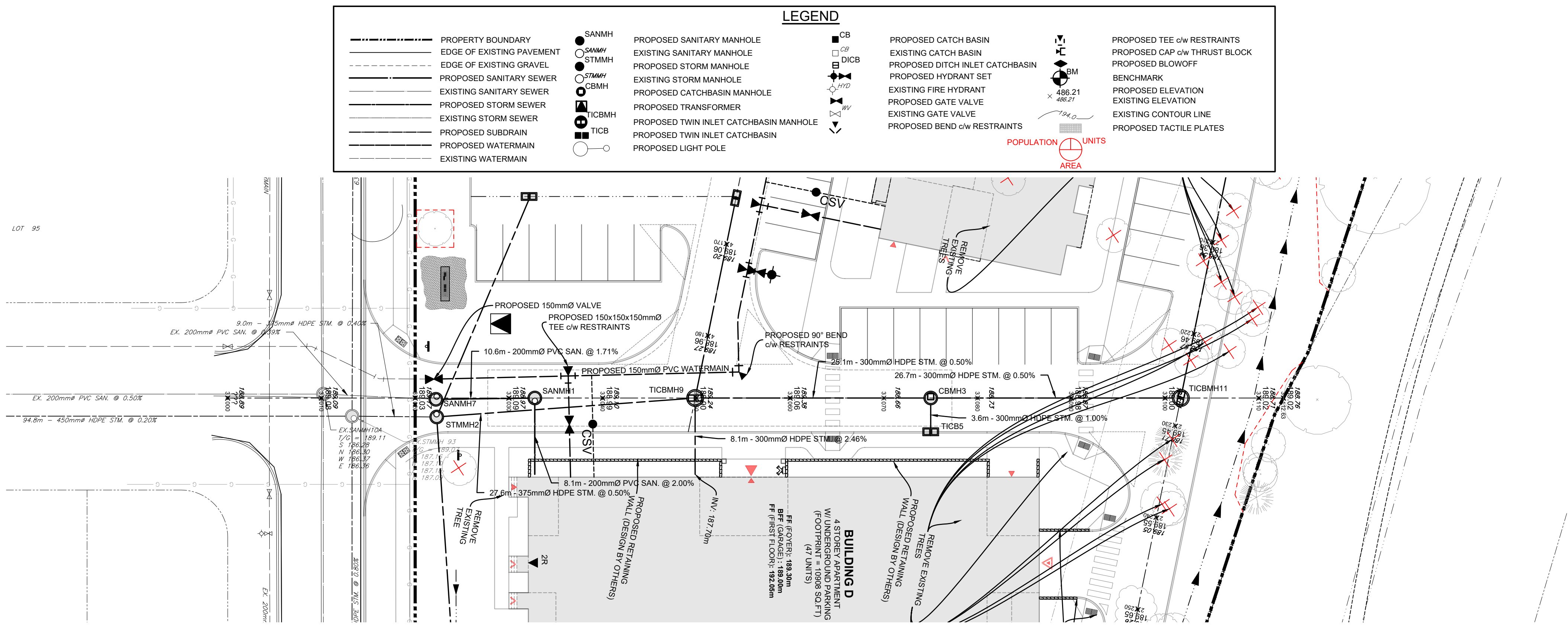
**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD
SANITARY CATCHMENT AREAS**

Client: MAMTA HOMES

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	Design Engineer

DRAWING No. 03910-C7

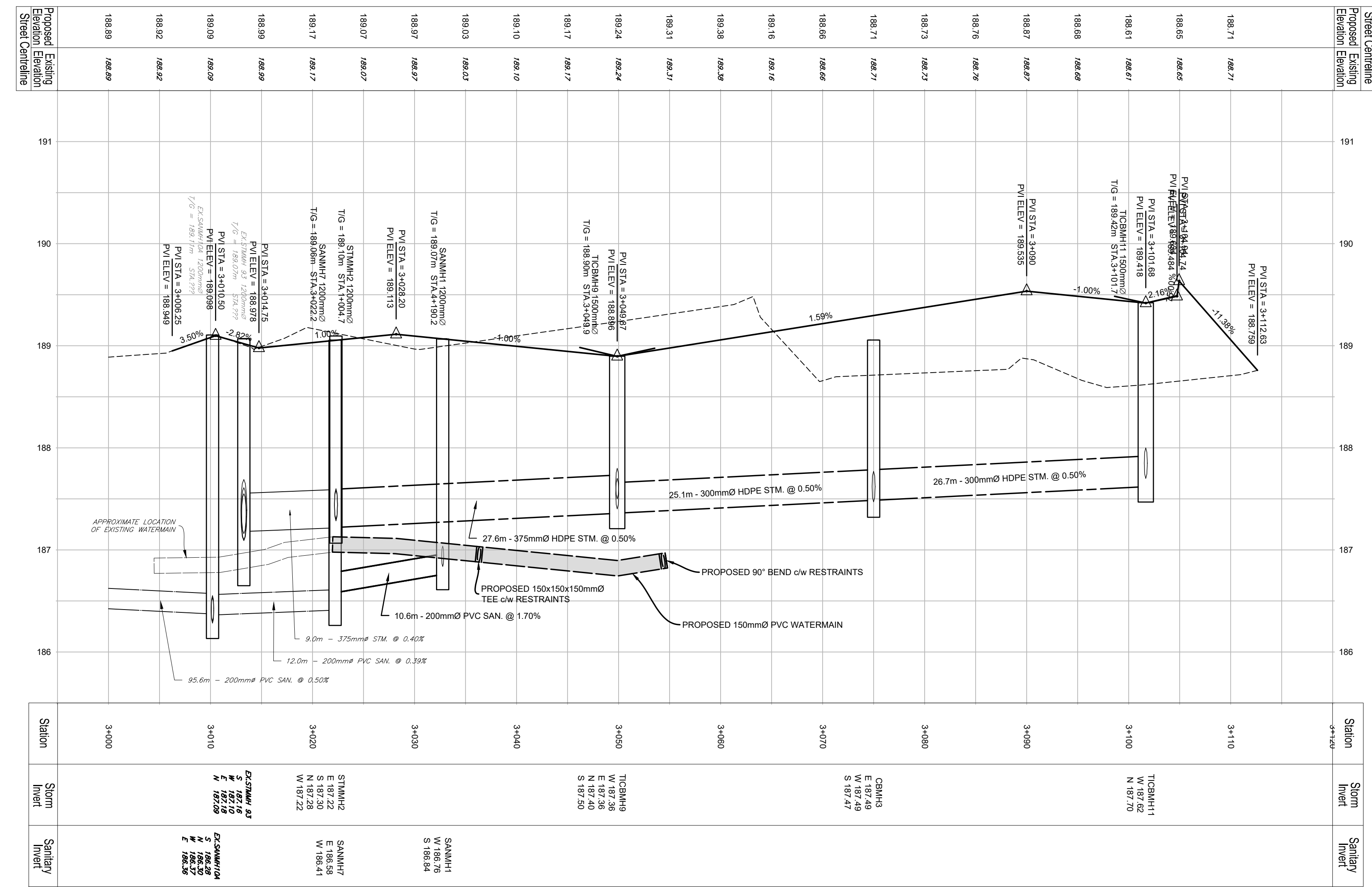
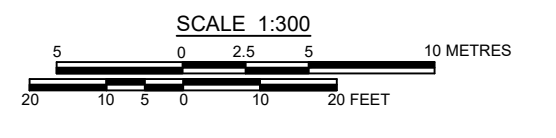
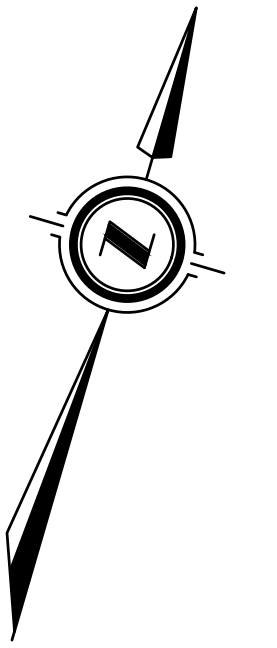
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LEGEND			
	PROPERTY BOUNDARY		PROPOSED SANITARY MANHOLE
	EDGE OF EXISTING PAVEMENT		EXISTING SANITARY MANHOLE
	EDGE OF EXISTING GRAVEL		PROPOSED STORM MANHOLE
	PROPOSED SANITARY SEWER		EXISTING STORM MANHOLE
	EXISTING SANITARY SEWER		PROPOSED CATCHBASIN MANHOLE
	PROPOSED STORM SEWER		PROPOSED TRANSFORMER
	EXISTING STORM SEWER		PROPOSED TWIN INLET CATCHBASIN MANHOLE
	EXISTING STORM SEWER		PROPOSED TWIN INLET CATCHBASIN
	PROPOSED SUBDRAIN		PROPOSED LIGHT POLE
	PROPOSED WATERMAIN		PROPOSED CATCH BASIN
	EXISTING WATERMAIN		EXISTING CATCH BASIN
			PROPOSED DITCH INLET CATCHBASIN
			PROPOSED FIRE 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

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Benchmark Information

	SM1	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE	ELEVATION	188.739m
			NORTHING	4926726.864
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No.	DATE	DESCRIPTION	BY	APPD
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REVISION / ISSUE

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PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD

**PLAN AND PROFILE
STA 3+000 TO 3+110**

Client: MAMTA HOMES

Design: TLB Scale: H 1:300 V 1:30

Drawn: ID Approved:

Checked: TLB

Date: DECEMBER 2025

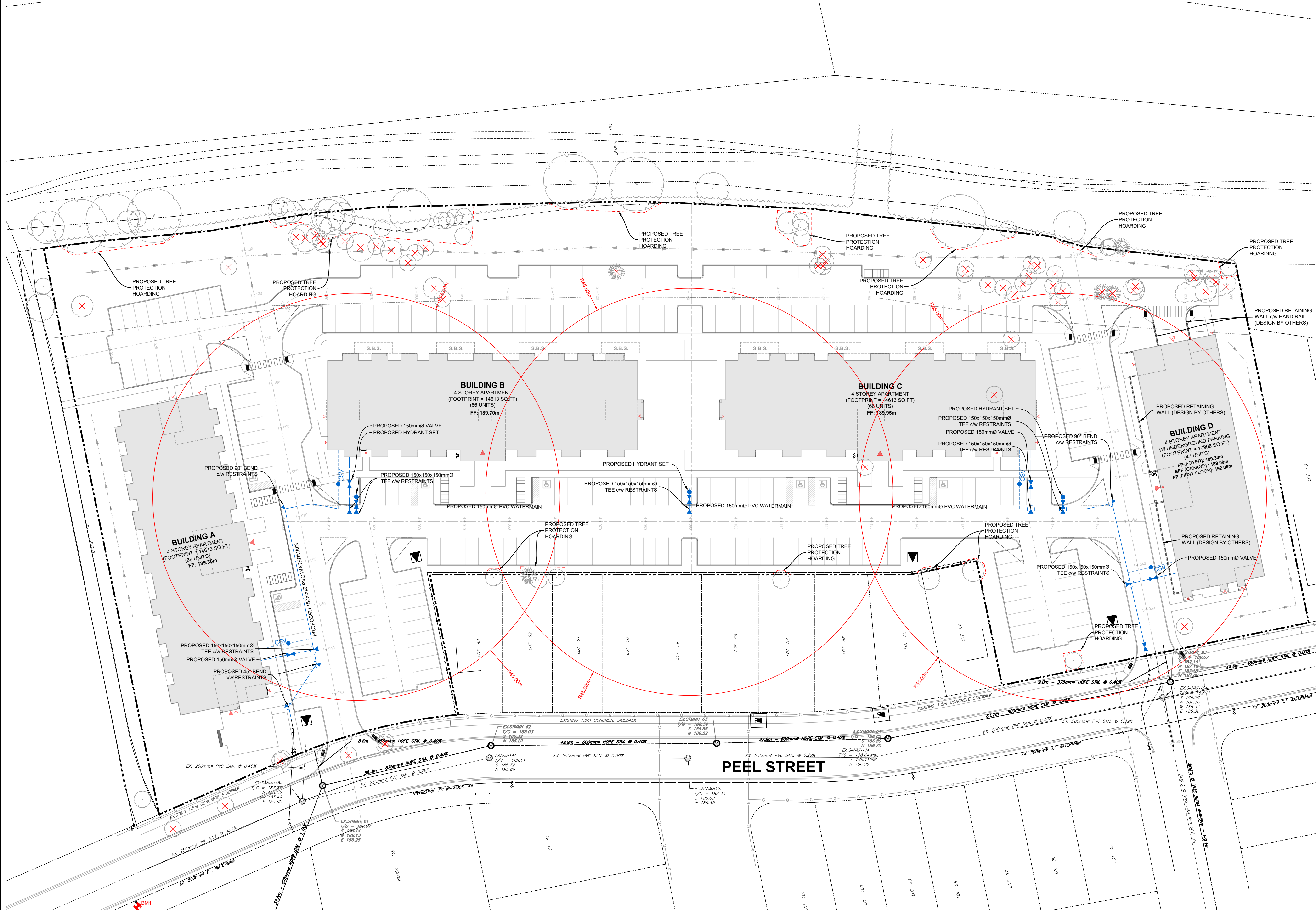
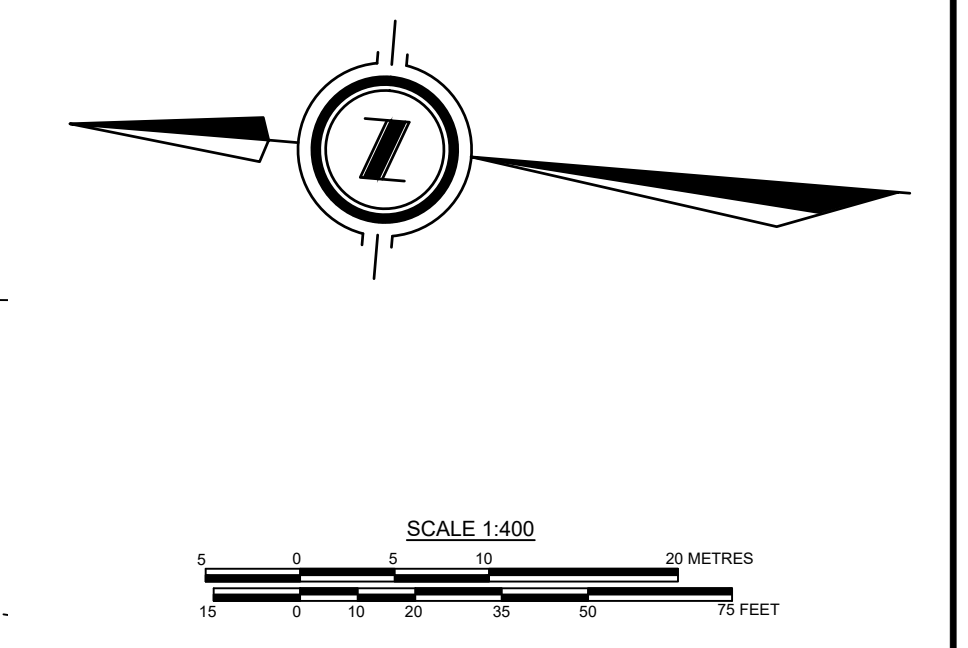
DRAWING No. 03910-C8.2

LEGEND

--- PROPERTY BOUNDARY	● SANMH	○ PROPOSED SANITARY MANHOLE	□ CB	○ PROPOSED CATCH BASIN	○ PROPOSED TEE c/w RESTRAINTS
- - - EDGE OF EXISTING PAVEMENT	○ EXISTING SANITARY MANHOLE	○ EXISTING SANITARY MANHOLE	□ DICB	○ EXISTING CATCH BASIN	○ PROPOSED CAP c/w THRUST BLOCK
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- - - EXISTING STORM SEWER	○ PROPOSED TWIN INLET CATCHBASIN MANHOLE	○ PROPOSED TWIN INLET CATCHBASIN MANHOLE	○ EXISTING GATE VALVE	○ EXISTING GATE VALVE	○ EXISTING ELEVATION
- - - PROPOSED SUBDRAIN	○ PROPOSED TWIN INLET CATCHBASIN	○ PROPOSED TWIN INLET CATCHBASIN	○ EXISTING GATE VALVE	○ EXISTING GATE VALVE	○ EXISTING CONTOUR LINE
- - - PROPOSED WATERMAIN	○ PROPOSED LIGHT POLE	○ PROPOSED LIGHT POLE	○ PROPOSED BEND c/w RESTRAINTS	○ PROPOSED BEND c/w RESTRAINTS	○ PROPOSED TACTILE PLATES
- - - EXISTING WATERMAIN					

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 - ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPAL SERVICING STANDARDS FOR THE TOWN OF COLLINGWOOD.



Benchmark Information

BM1	TOP NUT OF FIRE HYDRANT ON THE WEST SIDE OF PEEL STREET, ADJACENT TO THE NORTHWEST CORNER OF THE PROPOSED HARMONY LIVING SITE	ELEVATION	188.739m
		NORTHING	4926726.864
		EASTING	563637.181

No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

Seal not valid unless signed and dated

REVISION / ISSUE	

517 - 10th STREET, Hanover, Ontario N4N 1R4
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**PROPOSED APARTMENT DEVELOPMENT
TOWN OF COLLINGWOOD
HARMONY LIVING COLLINGWOOD
HYDRANT COVERAGE PLAN**

Client: MAMTA HOMES

Design: TLB	Scale: 1:400
Drawn: ID	Approved:
Checked: TLB	
Date: DECEMBER 2025	

DRAWING No. 03910-C9

H:\Water Documents\CIVIL_3D\Bak Free\A\Sub\8178203910 - Harmony Living Collingwood Base Plan 2025-12-04.dwg, Dec 04, 2025 - 3:55pm

TOWN OF COLLINGWOOD ENGINEERING STANDARDS

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 SELECTED NATIVE MATERIAL OR IMPORTED SELECT SUBGRADE TO OPSD 1010. BACKFILL TO BE PLACED 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 H/L3 ASPHALT ELEVATION AND RAISED PRIOR TO PLACEMENT OF FINAL COURSE H/L3 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 OPSD S17 AND S18 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 H/L3 BASE 40MM H/L3 SURFACE COURSE ASPHALT. ALL SUBDRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSD 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 OPSD 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 OPSD MUNI 802 & MUNI 803
- CONCRETE CURB AND GUTTER TO OPSD 600.100.
- CONCRETE SIDEWALK TO OPSD 310.010, 310.033, AND OPSD 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.

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 SELECTED 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 38mm 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 OPSD 407, 408, 409 (CCTV), 410, 421, AND ALL SPECIFICATIONS REFERENCED WITHIN THESE SECTIONS.

TOWN OF COLLINGWOOD ENGINEERING STANDARDS	
Watermain Pipe	Ductile iron class 52 or Pressure class 350 cement lined.
Gate Valves	Clow or Mueller, RSGV mechanical joint, resilient seat, 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-ASH3 (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

WATERMAIN AND WATER SERVICES

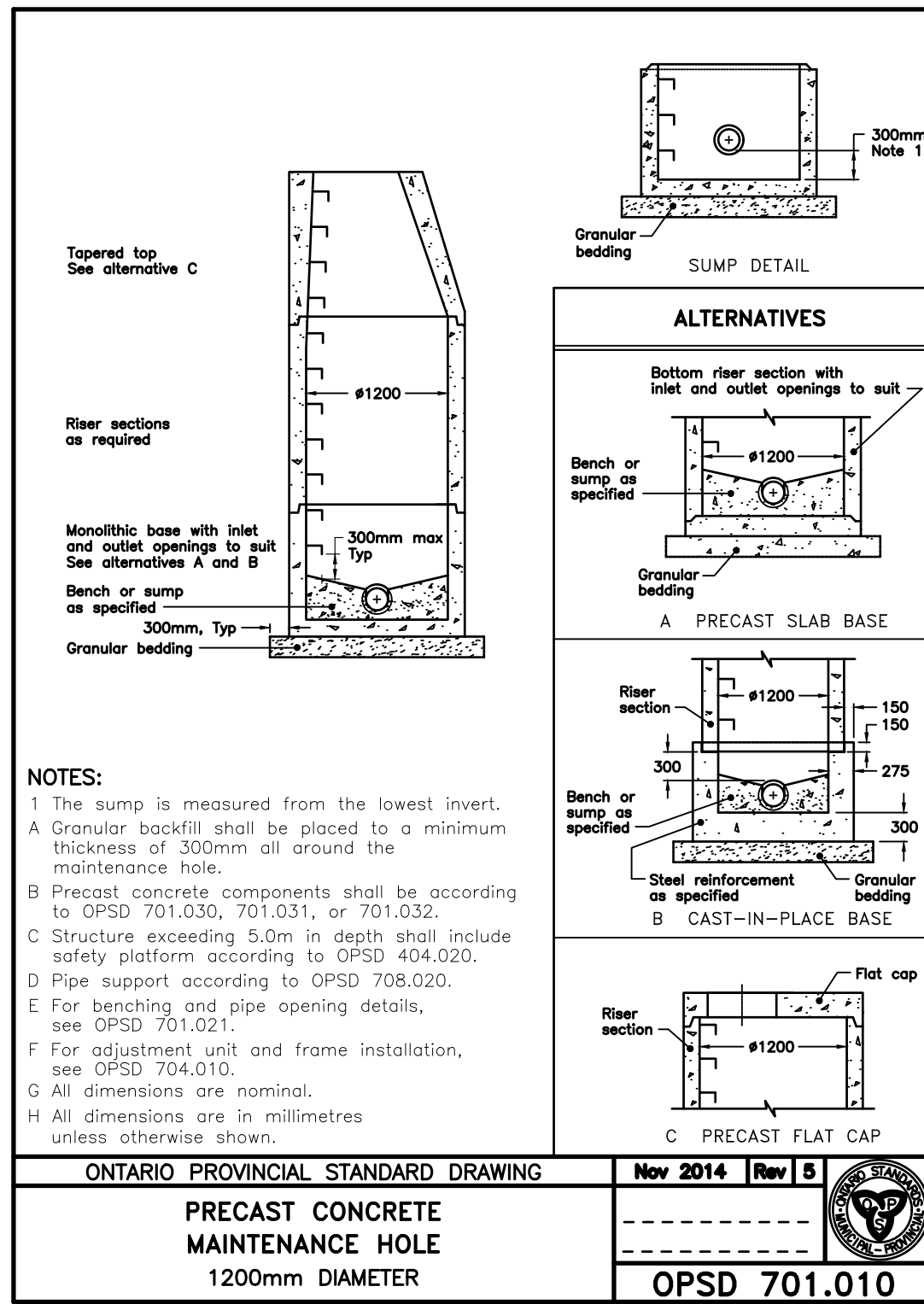
- BEDDING AND COVER TO OPSD 802.010, GRANULAR 'A' EMBEDMENT MATERIAL OR OTHER APPROVED HOMOGENEOUS GRANULAR MATERIAL.
- TRENCH BACKFILL TO BE SELECTED NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR FILL.
- THRUST BLOCKS TO OPSD 1103.010 AND 1103.020 WHERE SUITABLE SOILS ARE ENCOUNTERED.
- 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 OPSD 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 WATERMANS ARE NOT TO BE CONNECTED TO EXISTING WATERMANS 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

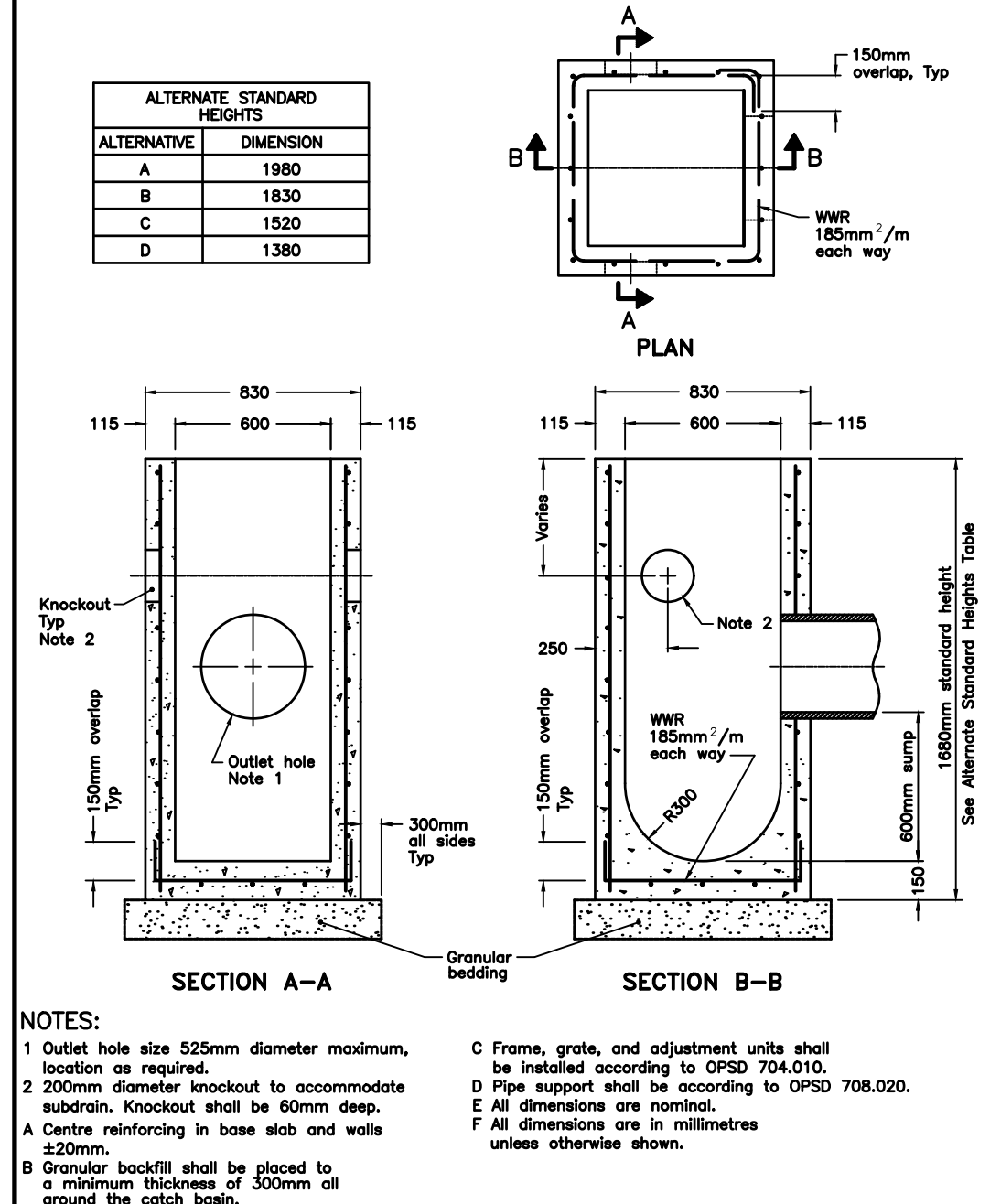
- MH, CBMH AND DICBMT TO OPSD 701.XXX (AS APPROPRIATE) C/W SUMP UNLESS NOTED OTHERWISE. NO SUMP ON REAR YARD BASINS.
- STEPS TO OPSD 405.010.
- MH FRAMES AND GRATES TO OPSD 401.01 OPEN COVER.
- CB'S TO OPSD 705.010, 705.020.
- DICB'S TO OPSD 705.030, 705.040, 706.010, 706.020, 706.030, 706.040.
- CB 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 SELECTED 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 CAP/PLUG AND A 38mm X 89mm MARKER STAKE PAINTED WHITE.

MATERIALS

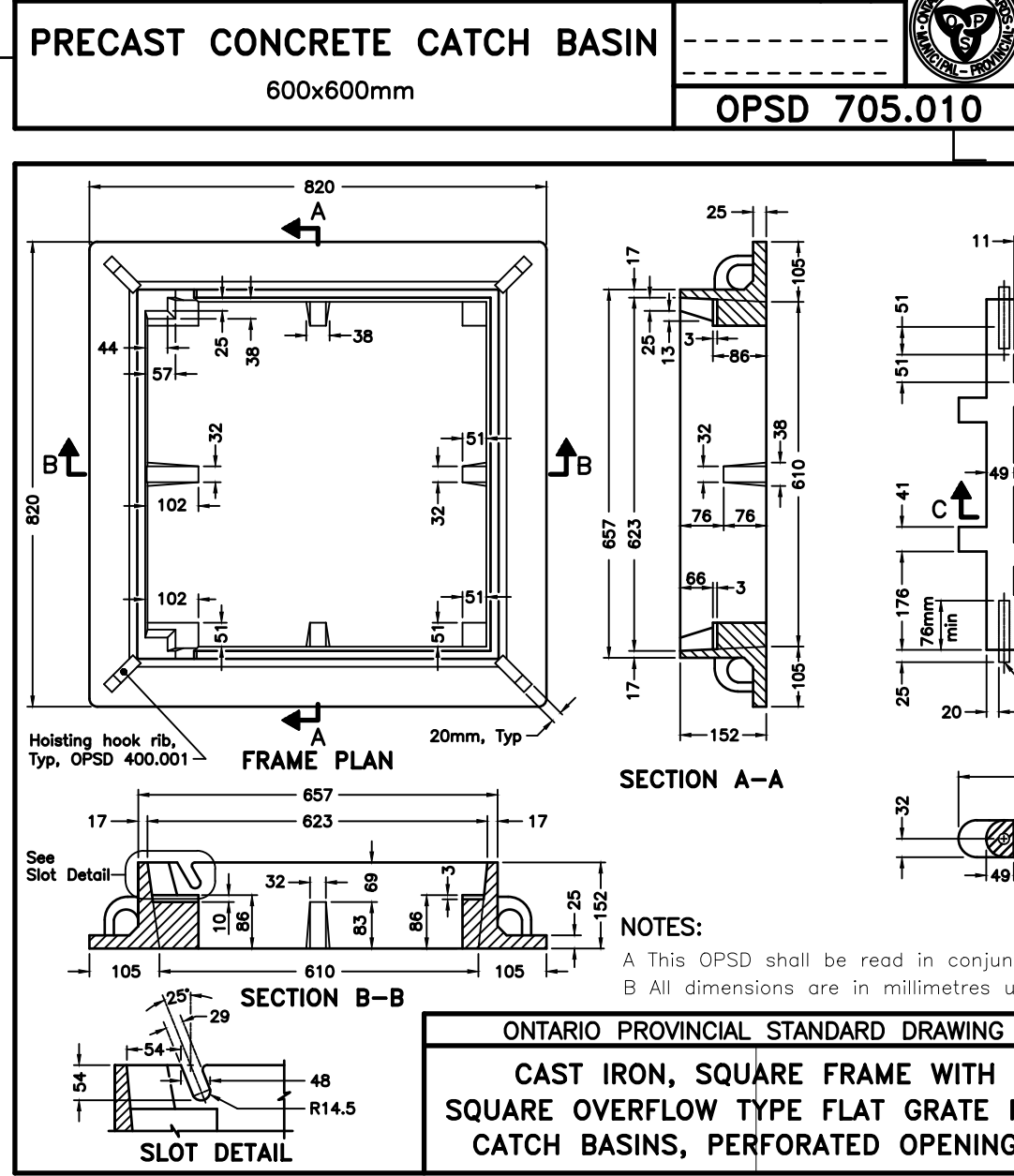
- SANITARY SEWER - SDR35 PVC.
- SANITARY SERVICES - SDR28 PVC, 125mmØ COLOUR GREEN USING TEE CONNECTIONS TO MAIN.
- WATERMAIN - DUCTILE IRON CLASS 52, OR PRESSURE CLASS 350 CEMENT LINED. CONDUCTIVITY CONNECTORS TO BE USED ON ALL JOINTS.
- WATERMAIN SERVICES - 20mmØ, TYPE 'K' SOFT COPPER PIPE.
- HYDRANTS - 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 1004.0506.
- 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.



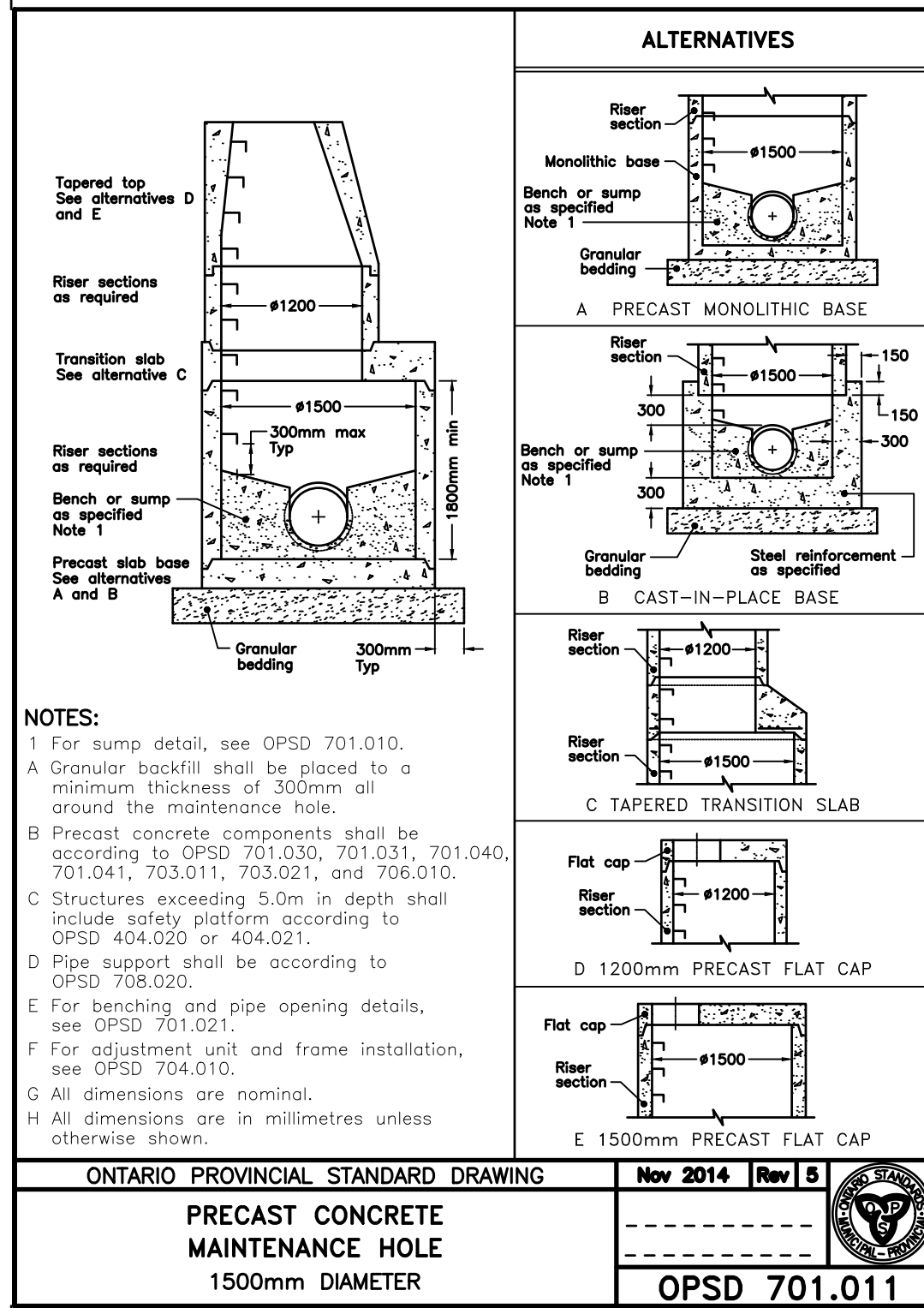
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5
OPSD 701.010



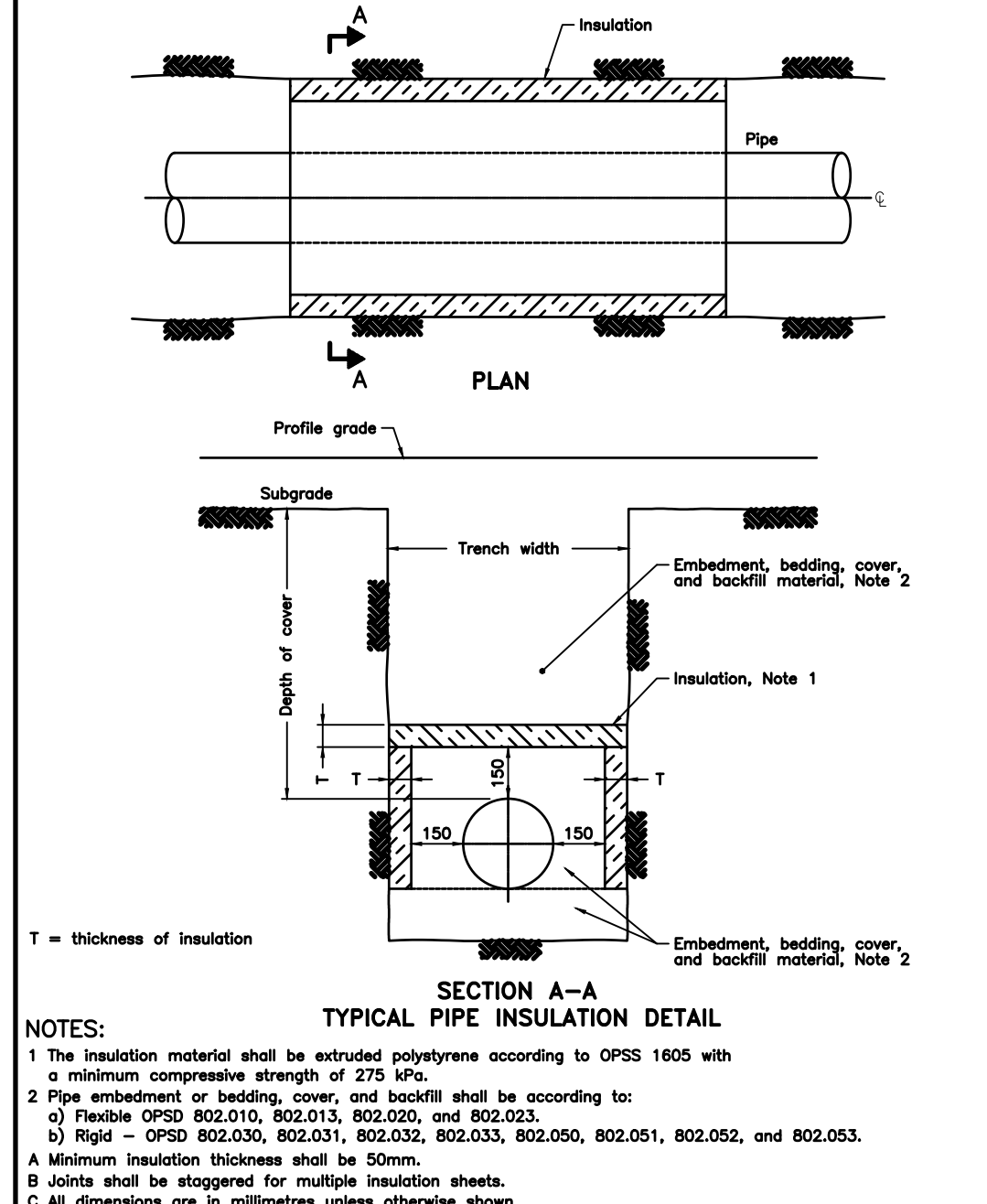
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OPSD 705.010



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2013 Rev 2
OPSD 400.110



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 5
OPSD 701.011



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
OPSD 1109.030

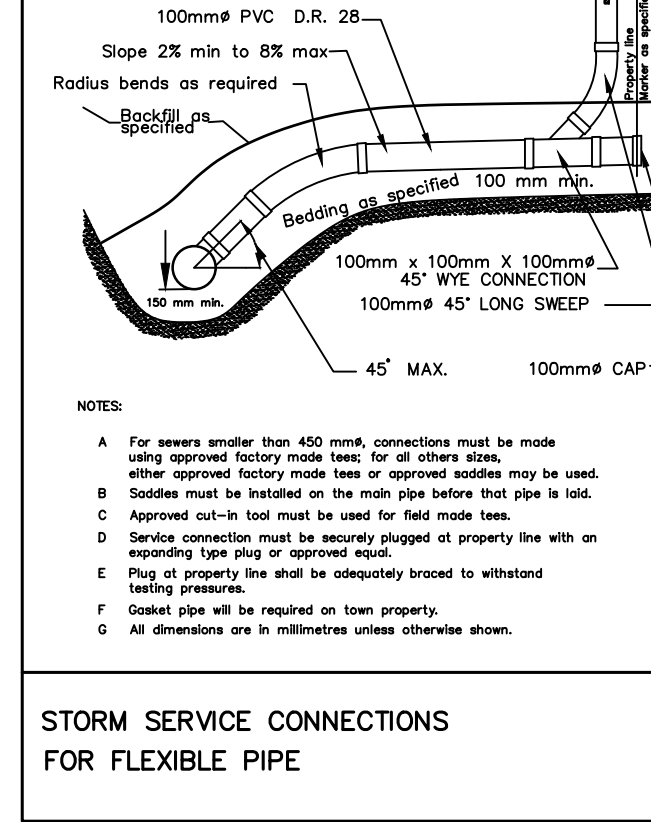


ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
OPSD 1109.030

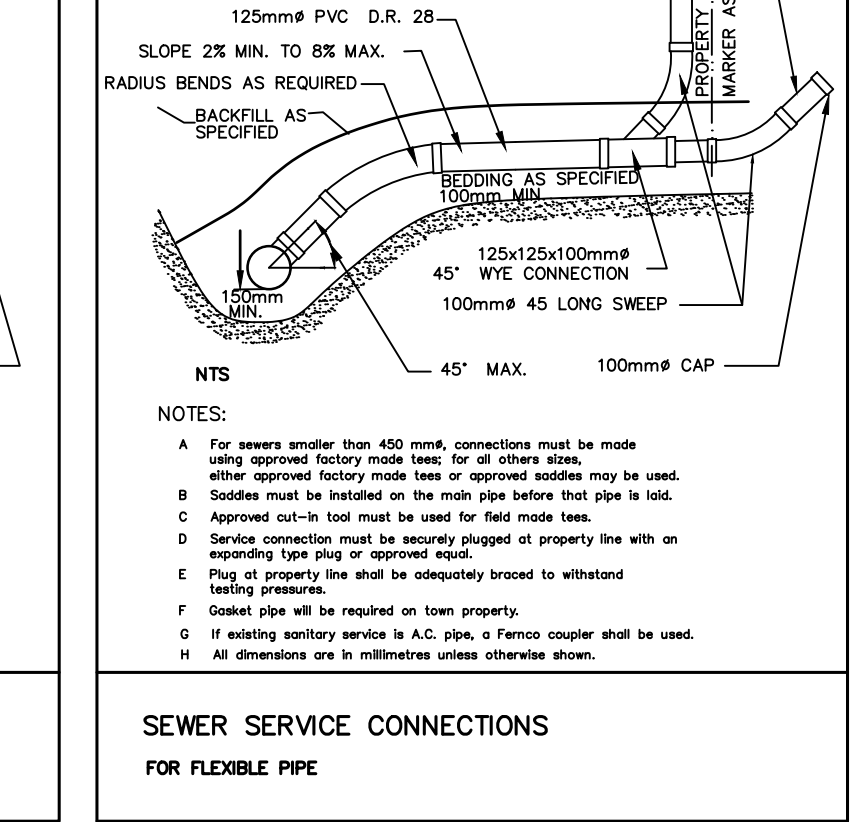
CAUTION: THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR 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 03910-C6 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 PERFORATED HDPE IN 50mmØ WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 1004-DE11.
- ALL DITCH INLET CATCHBASINS TO HAVE HORIZONTAL HONEYCOMB GRATE PER O.P.S.D.403.010.
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMANS TO BE DUCTILE IRON WITH 20mmØ COPPER 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.



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
OPSD 1109.030



ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
OPSD 1109.030

No.	DATE	DESCRIPTION	BY	APPD
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

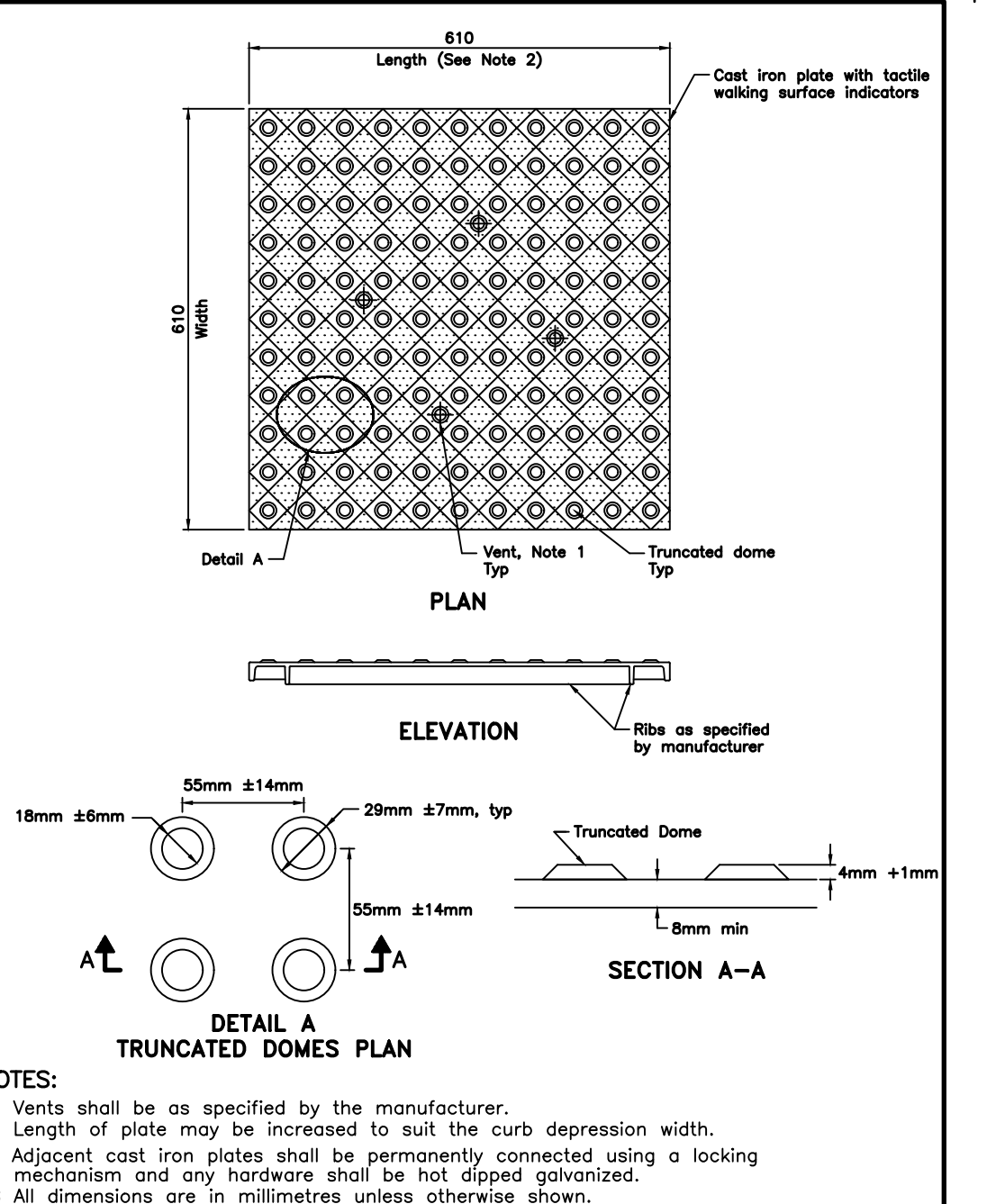
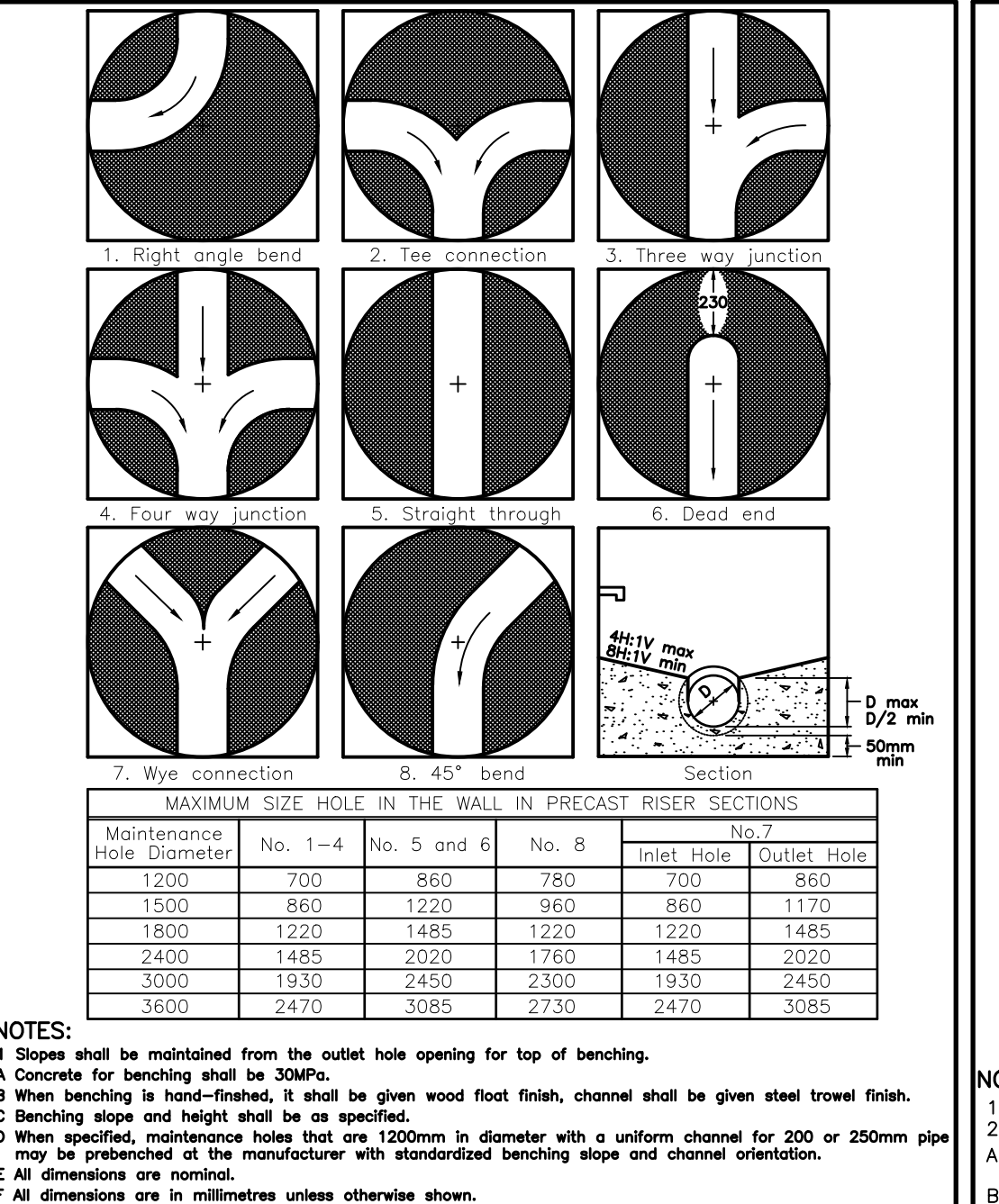
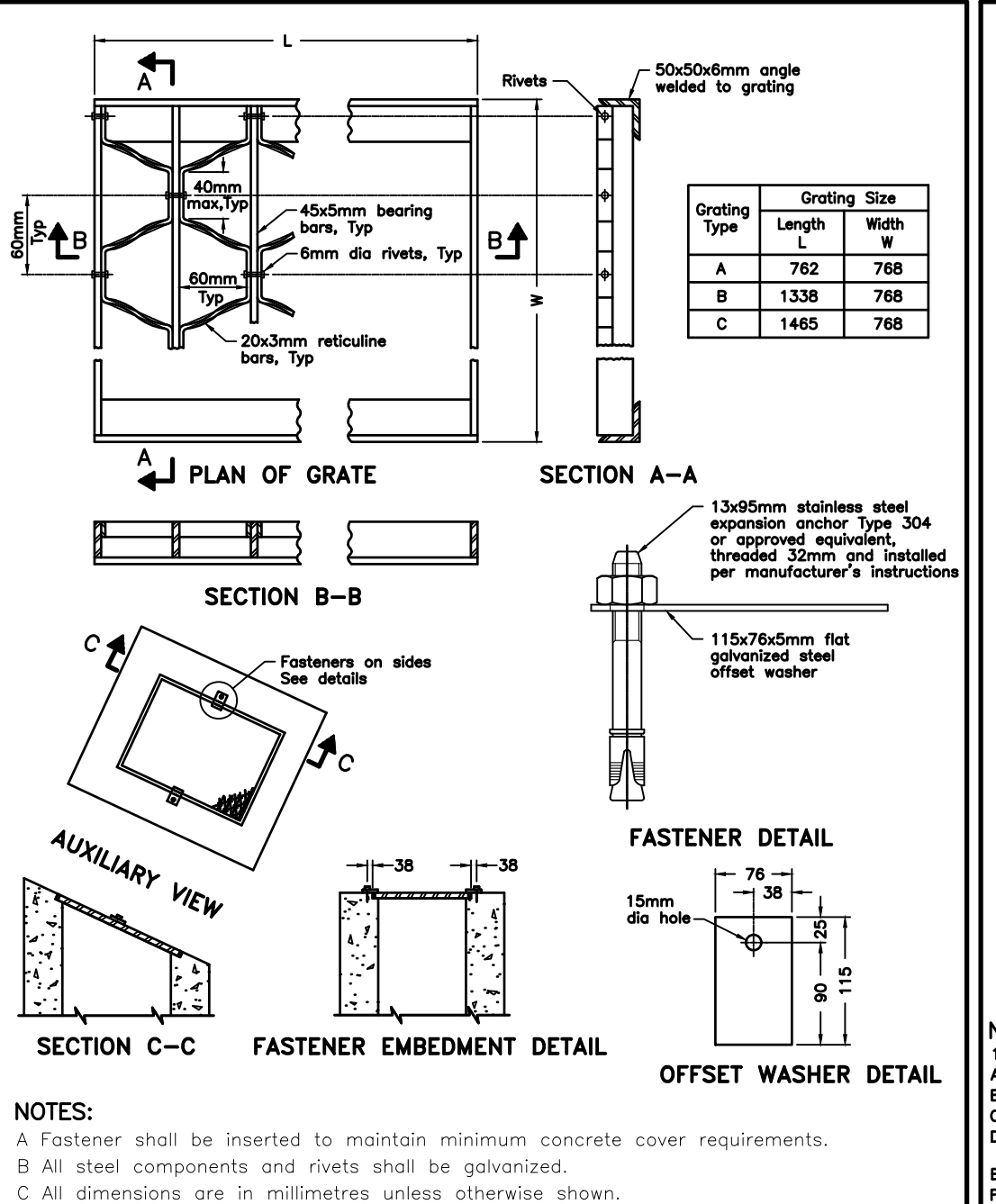
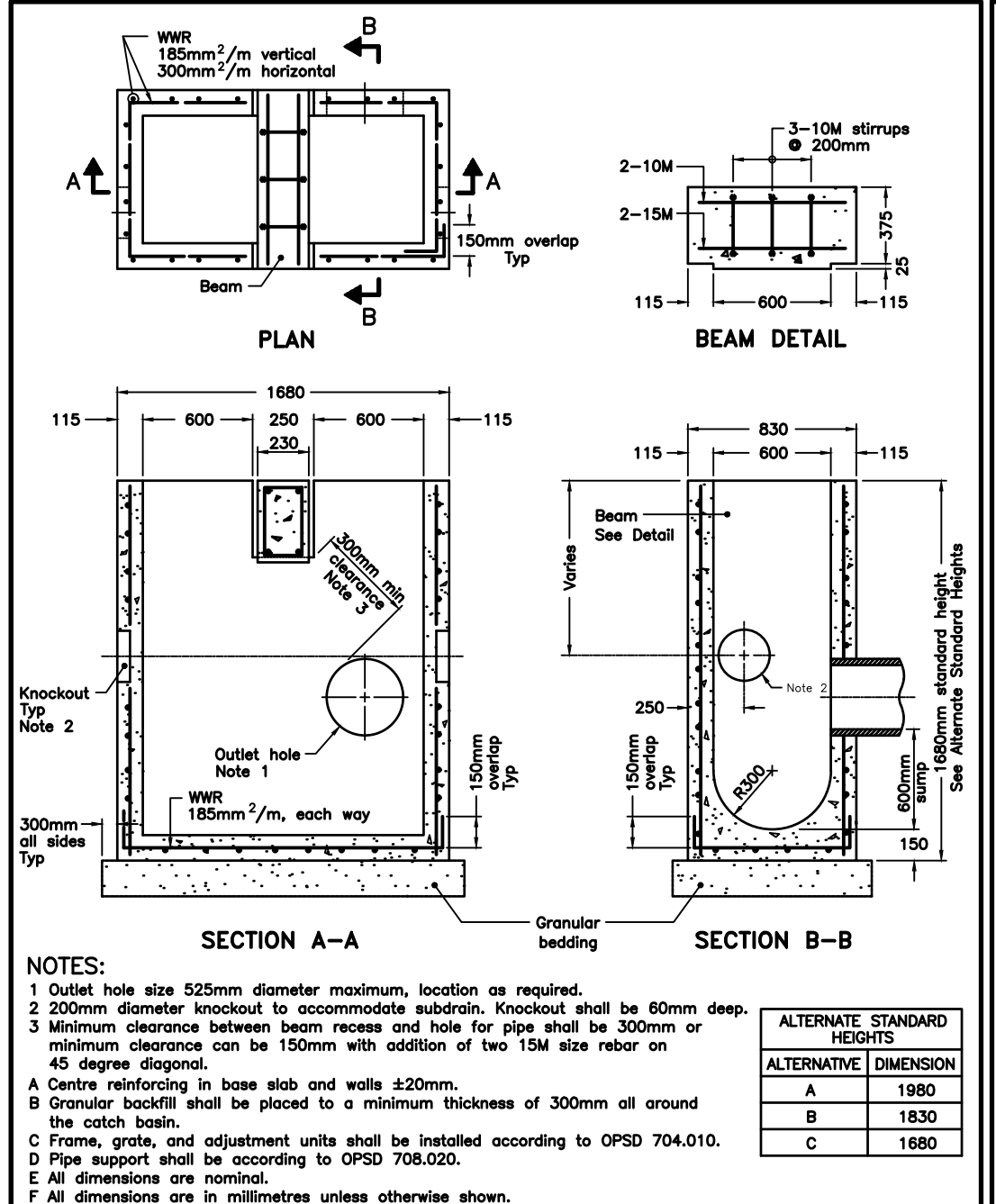
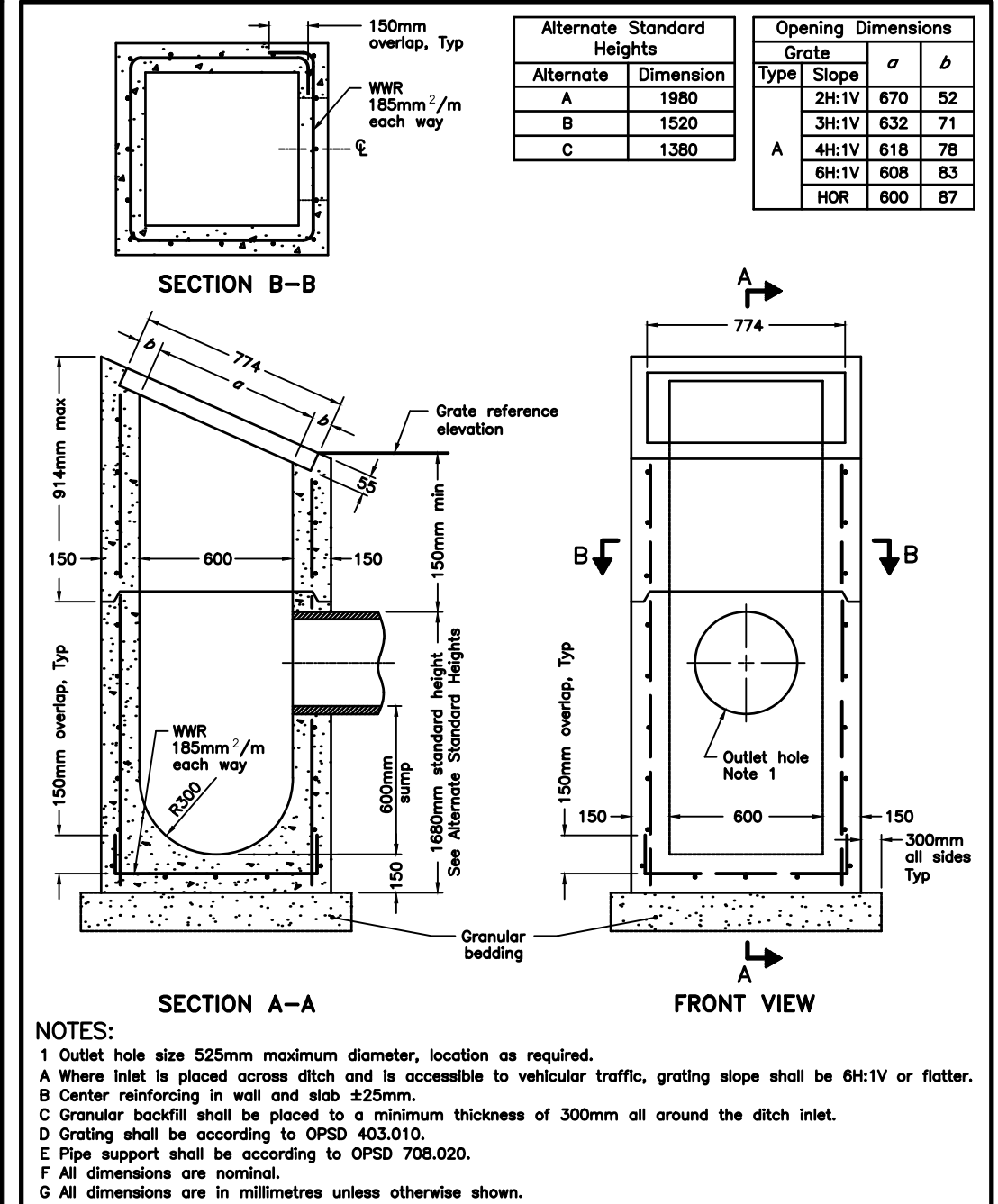
Revision / Issue

Scale not valid unless signed and dated

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 www.cobideeng.com

PROPOSED APARTMENT DEVELOPMENT TOWN OF COLLINGWOOD
GENERAL NOTES & MISCELLANEOUS DETAILS 1

Client:	MAMTA HOMES		
Design:	TLB	Scale:	NTS
Drawn:	ID	Approved:	
Checked:	TLB		
Date:	DECEMBER 2025		
Design Engineer			
DRAWING No.	03910-C10		



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 03910-C6 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 PERFORATED HDPE IN 50mmØ WASHED CLEAR STONE WRAPPED IN NON-WOVEN GEOTEXTILE EXCEPT 3m ENTERING AND EXITING STORM STRUCTURES WHICH IS TO BE SOLID PIPE. SEE DETAIL SHEET 0064-DE1.
- ALL DITCH INLET CATCHBASINS TO HAVE HORIZONTAL HONEYCOMB GRATE PER O.P.S.D. 043.010.
- ALL CATCHBASIN MANHOLE STRUCTURES TO BE 1200mmØ UNLESS OTHERWISE SHOWN.
- ALL WATERMANS TO BE DUCTILE IRON WITH 20mmØ COPPER 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.

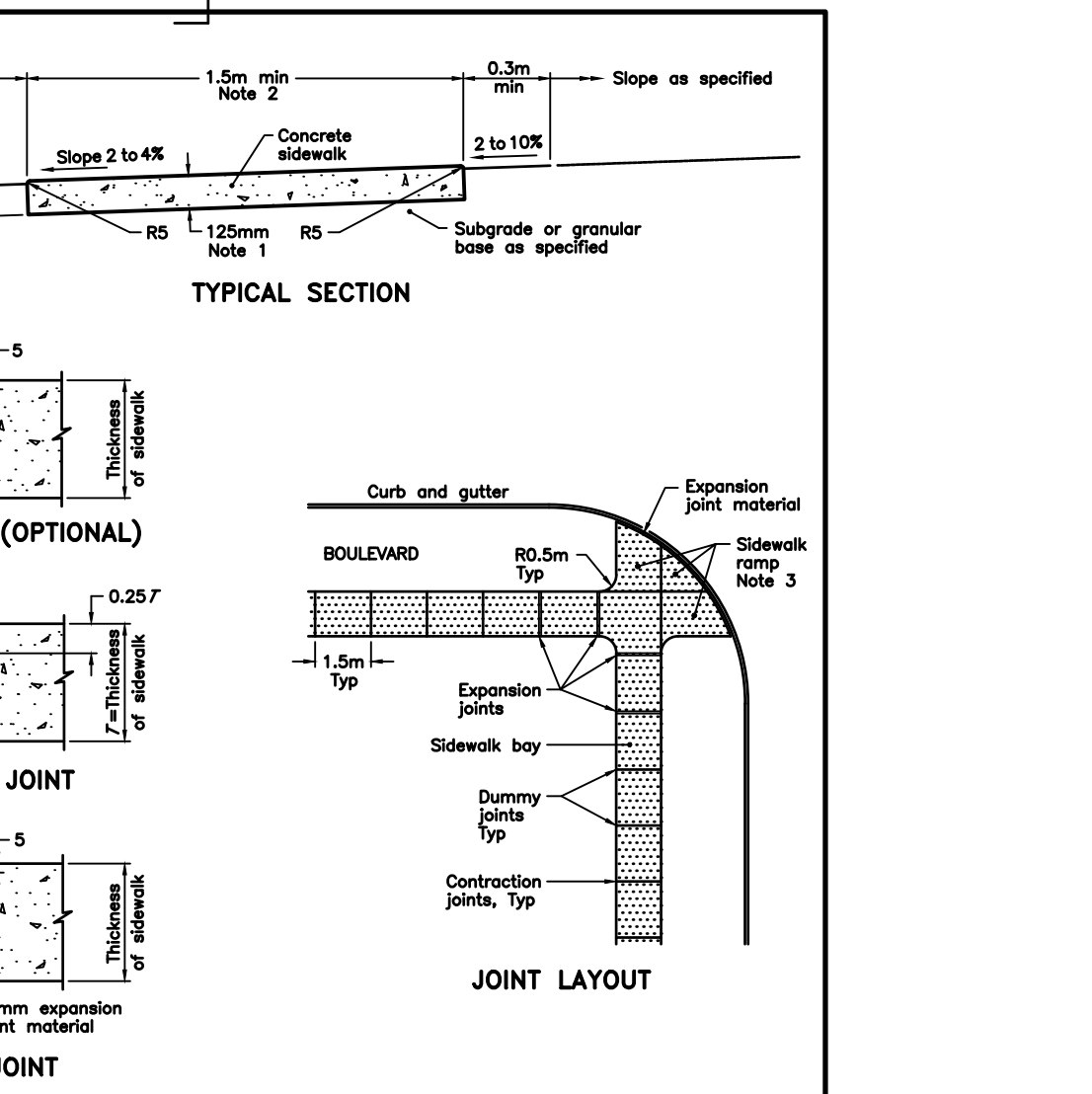
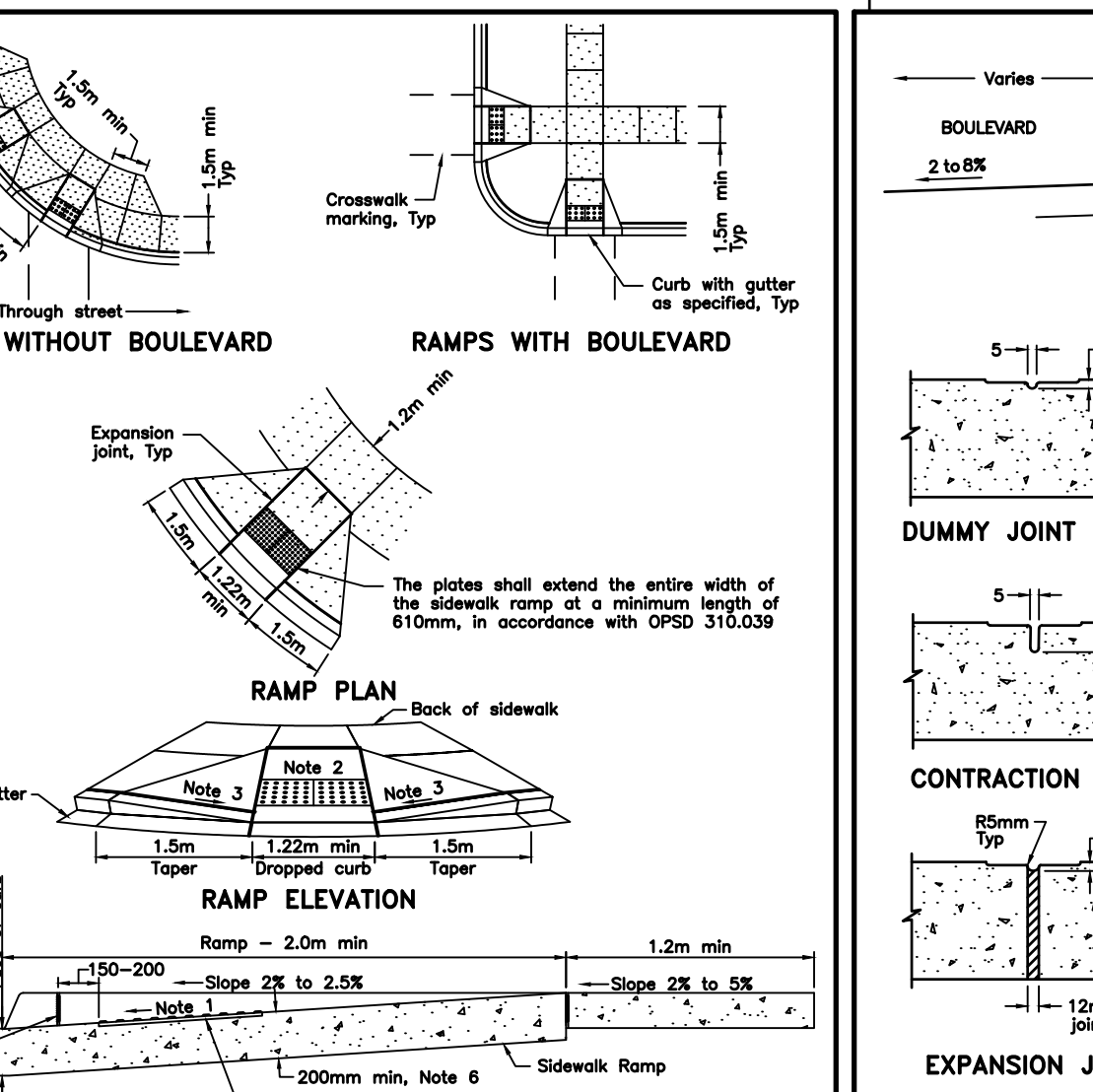
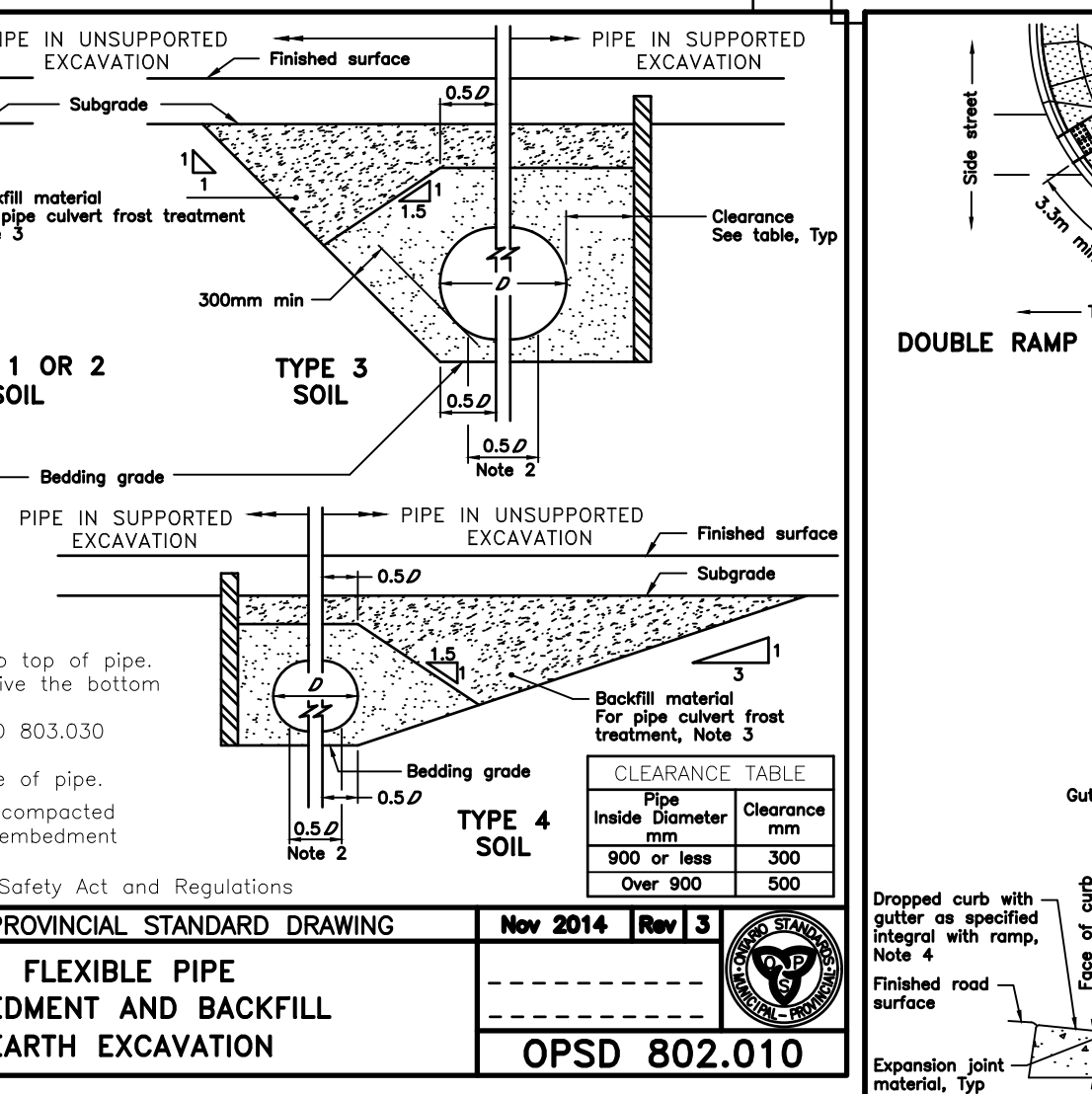
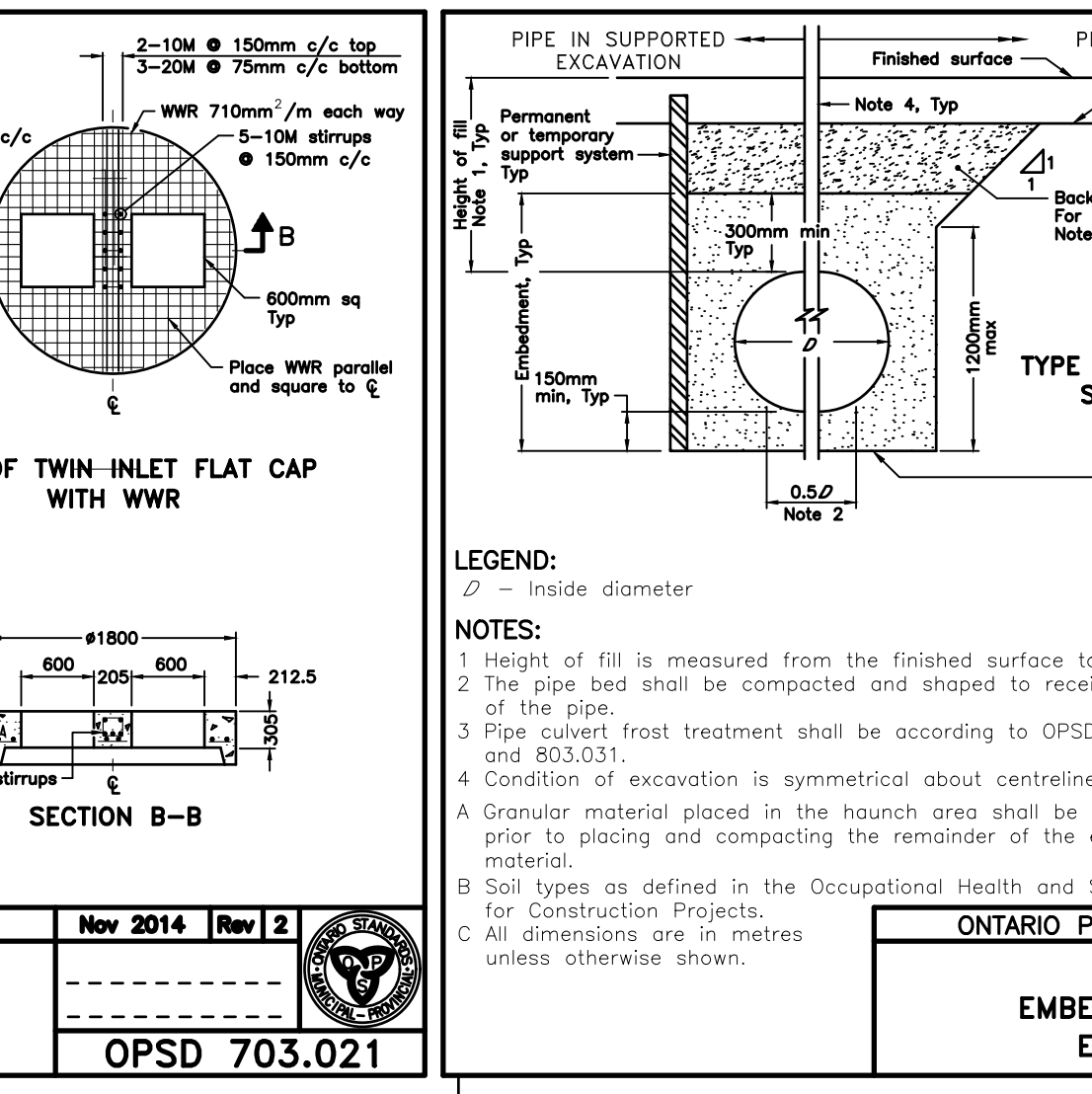
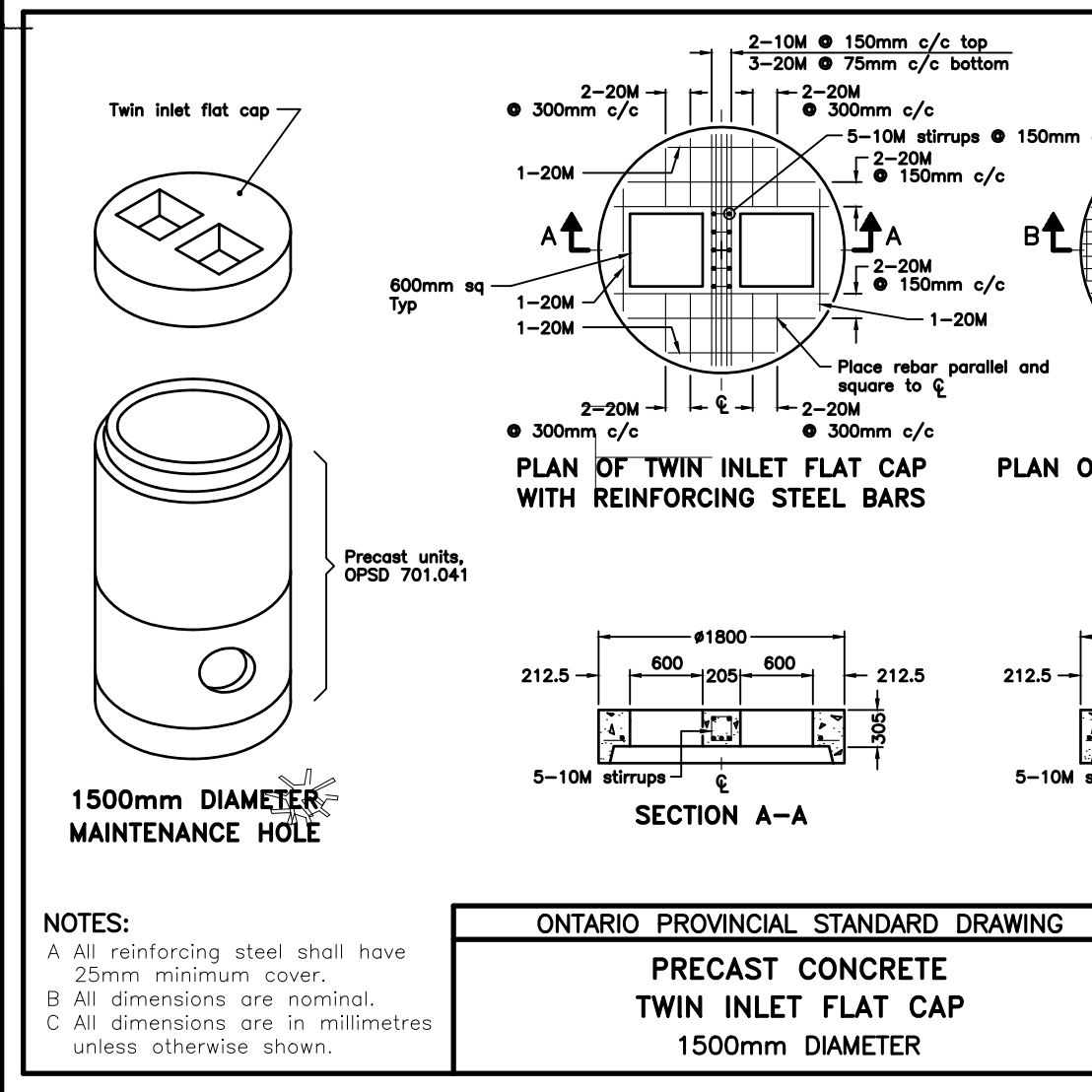
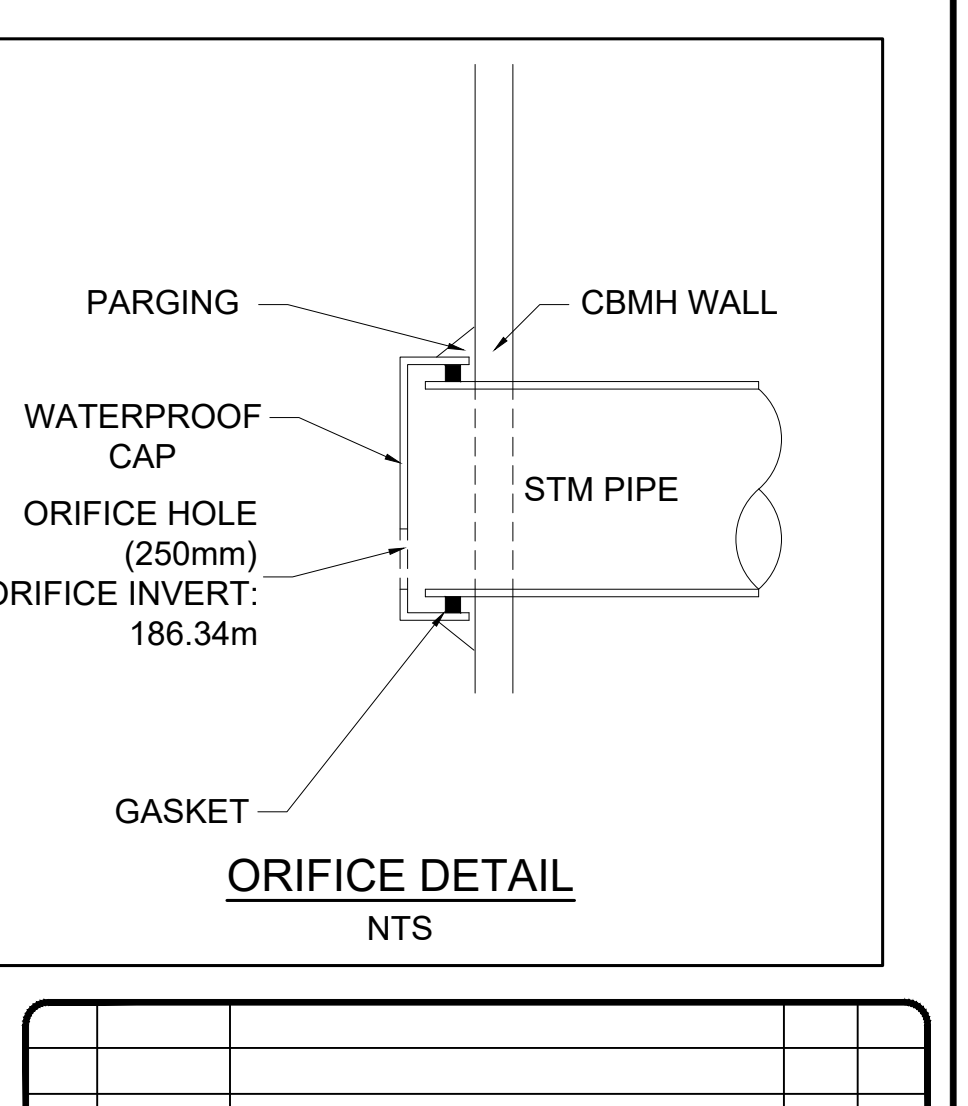
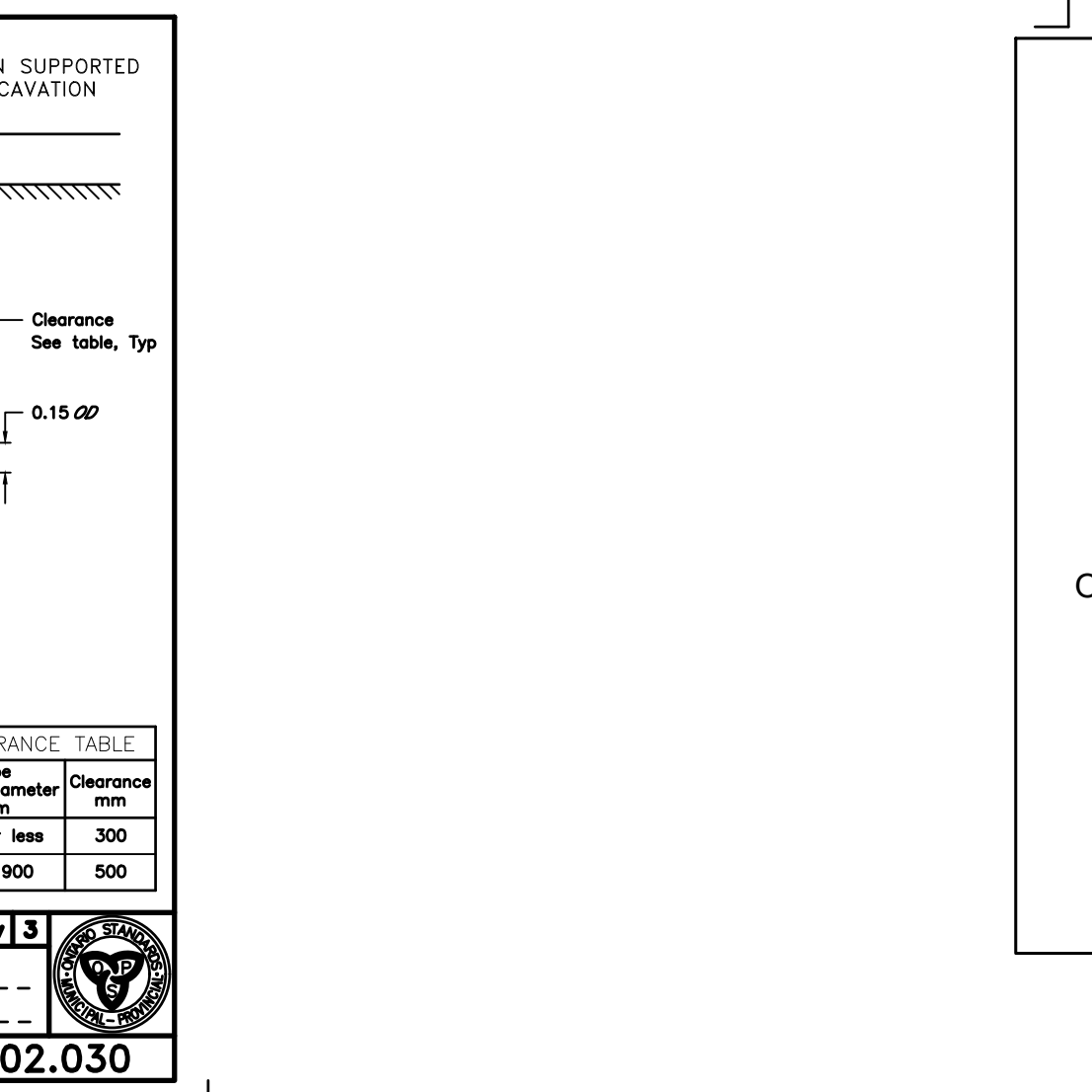
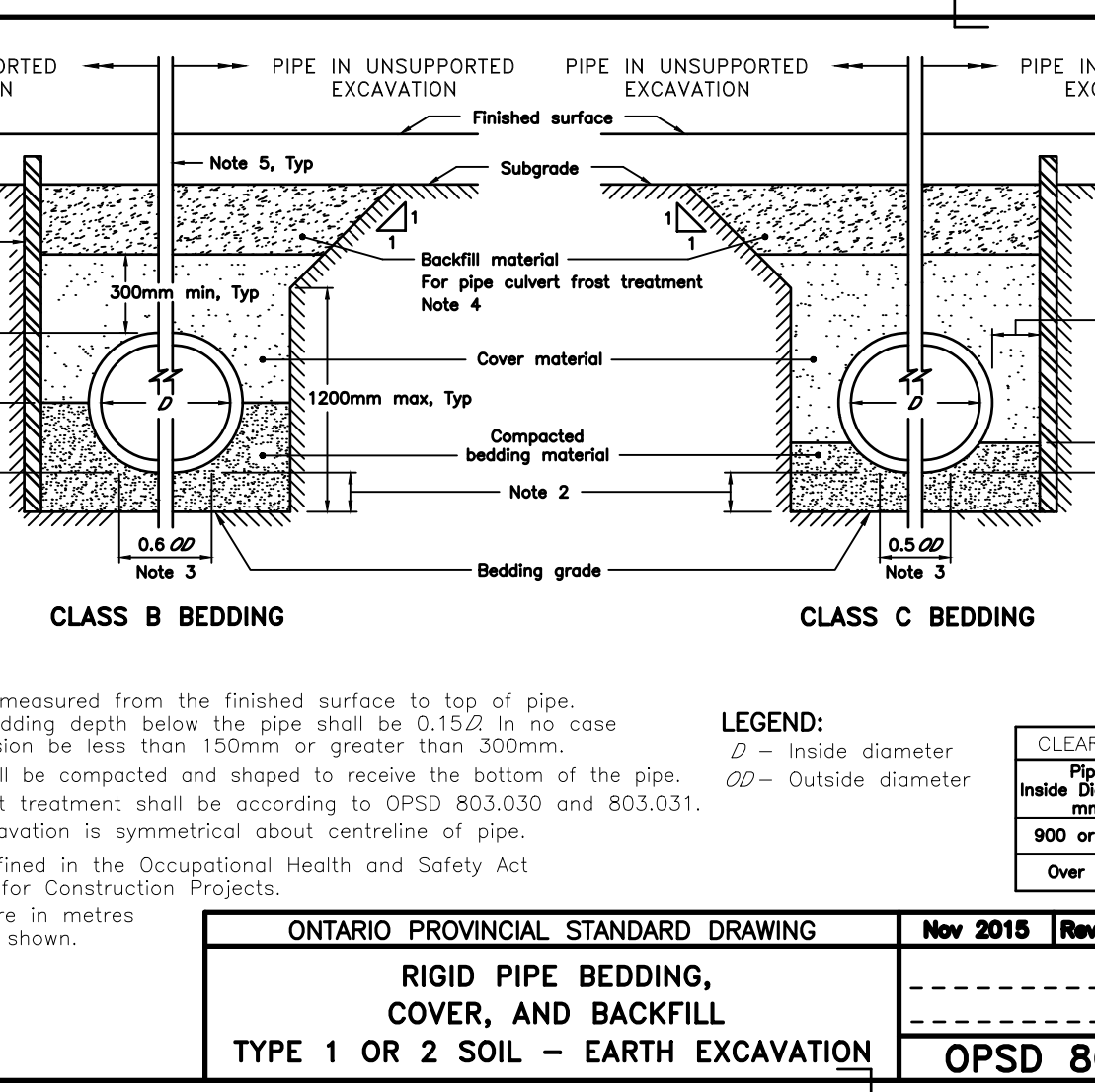
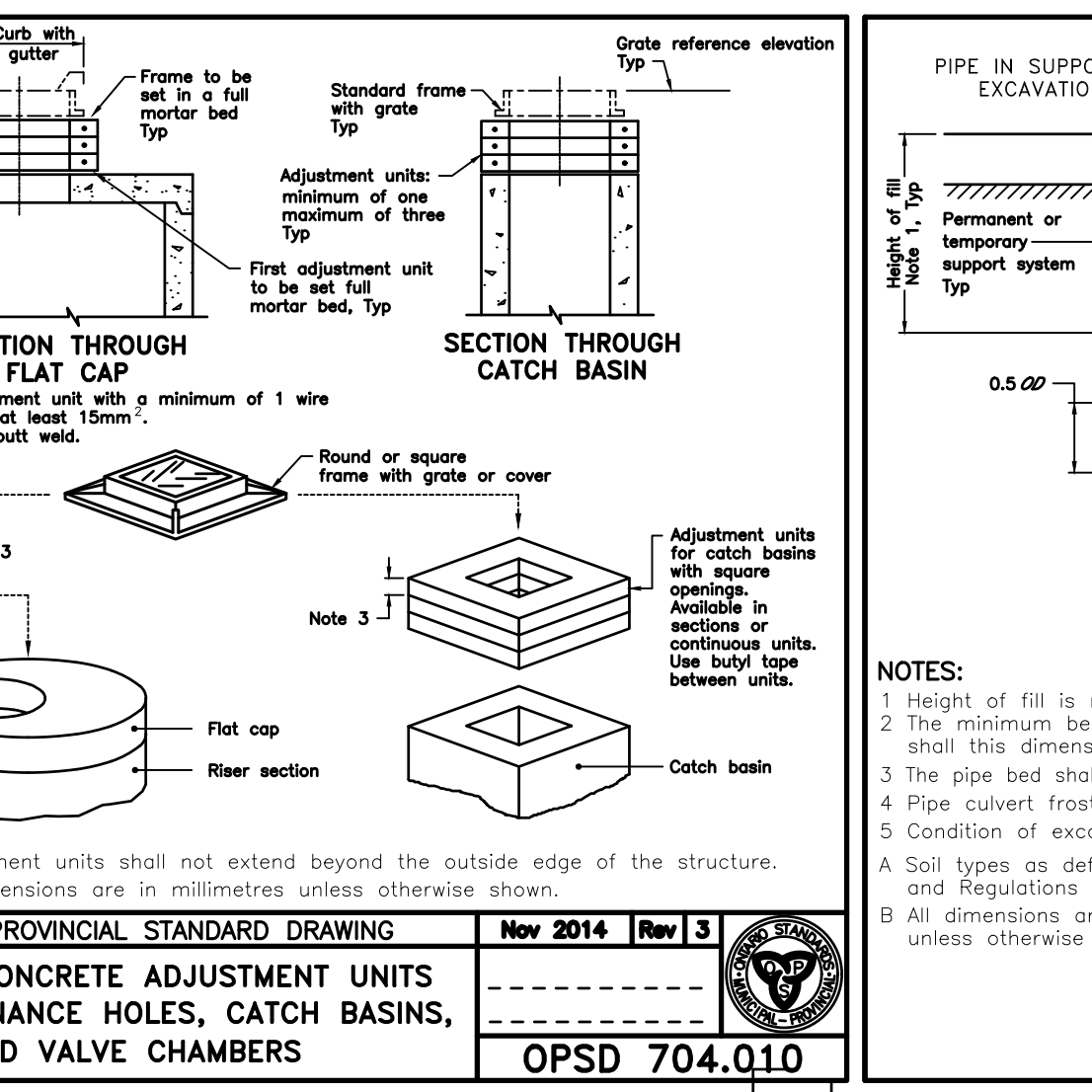
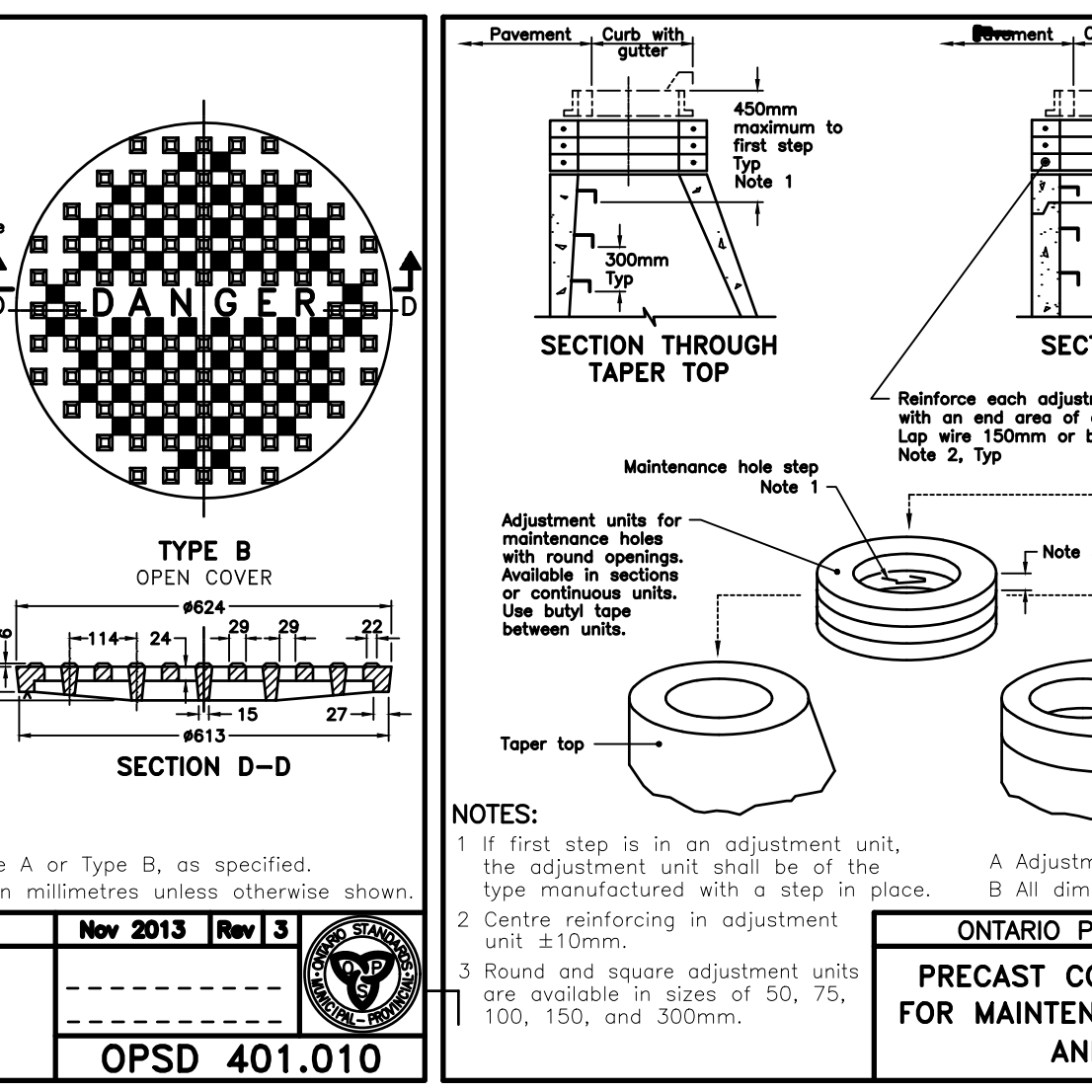
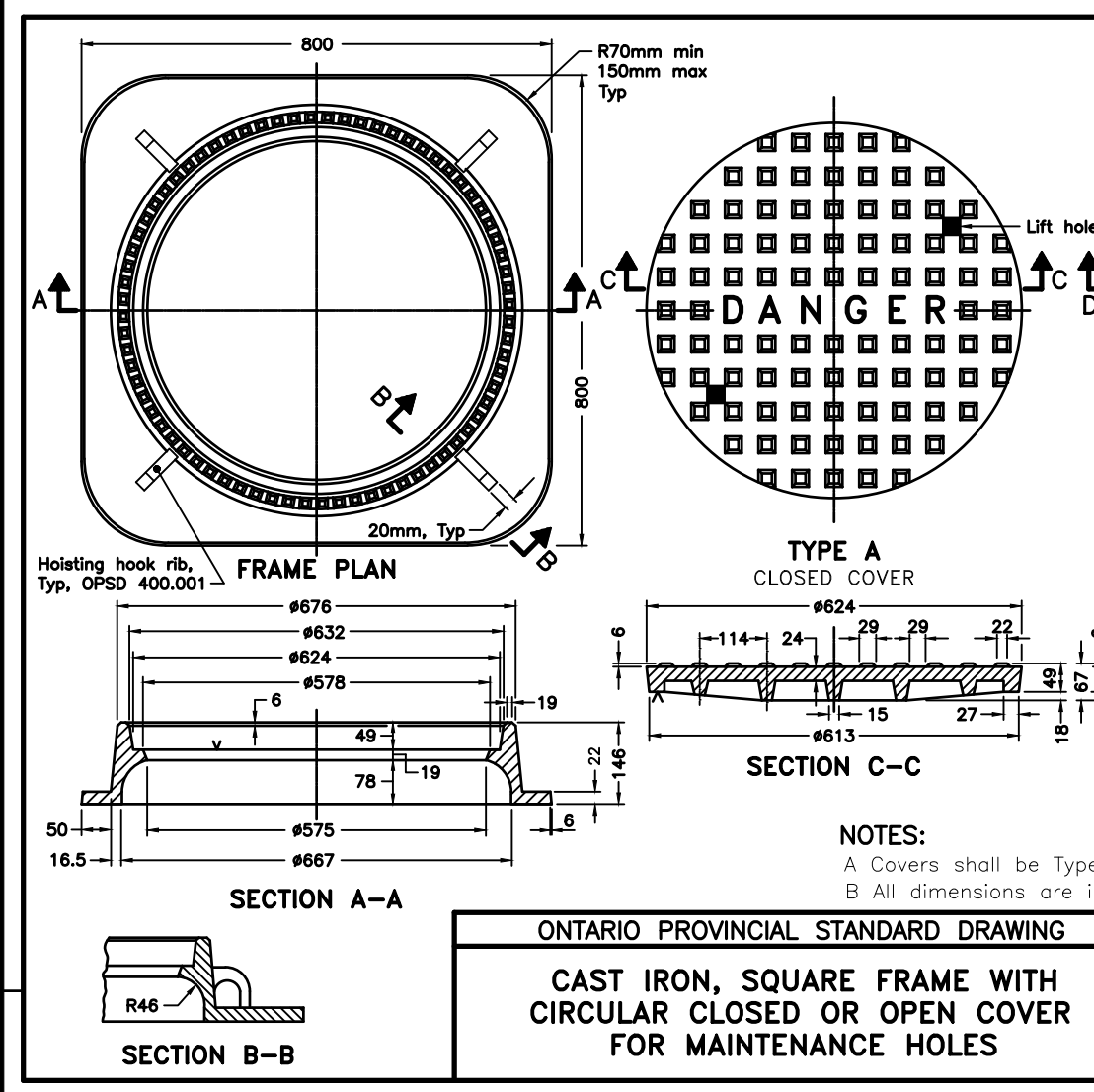
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
PRECAST CONCRETE DITCH INLET
600 x 600mm
OPSD 705.030

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2014 Rev 3
PRECAST CONCRETE TWIN INLET CATCH BASIN
600 x 1450mm
OPSD 705.020

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2013 Rev 2
GALVANIZED STEEL HONEYCOMB GRATING FOR DITCH INLETS
OPSD 403.010

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

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 0
CONCRETE SIDEWALK RAMPS TACTILE WALKING SURFACE INDICATORS COMPONENT
OPSD 310.039



No.	DATE	DESCRIPTION	BY	APP
2	DEC 04/25	REVISED FIRST SUBMISSION	TLB	SJC
1	NOV 07/25	FIRST SUBMISSION	TLB	SJC

REVISION / ISSUE

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www.cobideeng.com

PROPOSED APARTMENT DEVELOPMENT TOWN OF COLLINGWOOD

MISCELLANEOUS DETAILS 2

Client: MAMTA HOMES

Design: TLB Scale: NTS

Drawn: ID Approved:

Checked: TLB

Date: DECEMBER 2025

DRAWING No. 03910-C11

H:\Water\Documents\CIVIL_3D\Bak\Fire\Asph\Bibah_8178203910 - Harmony Living Collingwood Base Plan 2025-12-04.dwg, Dec 04, 2025 - 3:58pm

