

# THE CORPORATION OF THE TOWN OF COBOURG

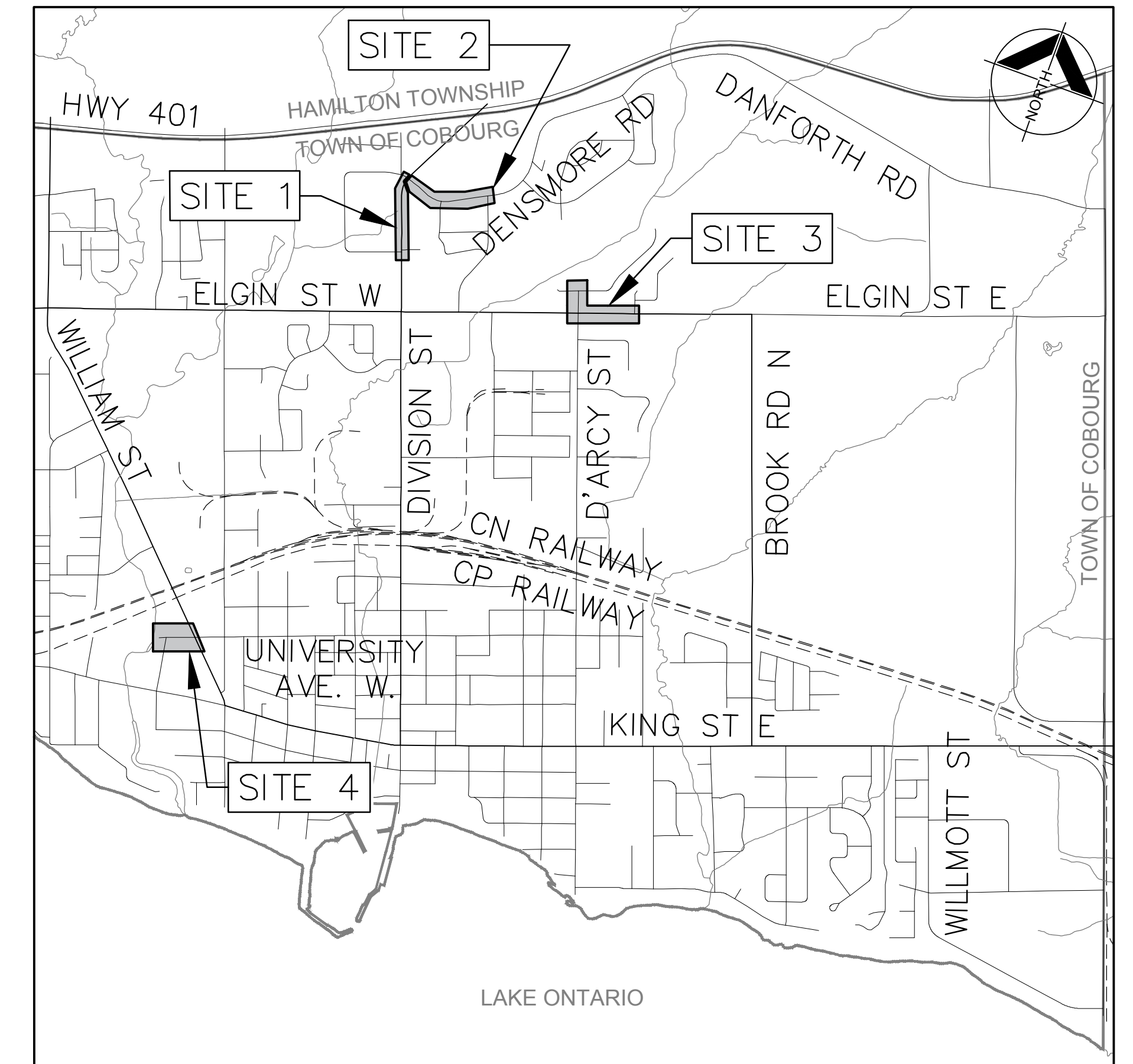


## 2024 VARIOUS SIDEWALK CONSTRUCTION

TOWN OF COBOURG

CONTRACT No. CO-24-14 PWD

- 1) DIVISION STREET, VERONICA STREET TO VERONICA STREET
- 2) DENSMORE ROAD, DIVISON STREET TO BIRCHWOOD TRAIL
- 3) D'ARCY STREET AND ELGIN STREET WEST, NICKERSON DRIVE TO CONGER AVENUE
- 4) UNIVERSITY AVENUE WEST, MARGARET STREET TO WILLIAM STREET



KEY MAP  
N.T.S.

ISSUED FOR TENDER

MAY 2024

# ABBREVIATIONS

AC	ASBESTOS CEMENT	DWG	DRAWING	IB	IRON BAR	CSW OR S/W	SIDEWALK, CONCRETE
ASPH	ASPHALT	DI	DITCH INLET / DUCTILE IRON	IP	IRON PIPE	SSW	STONE SIDEWALK
ASW	ASPHALT SIDEWALK	EP	EDGE OF PAVEMENT	LP	LIGHT POLE	STD	STANDARD
AVE	AVENUE	EL	ELEVATION	LS	LIGHT STANDARD	STA	STATION
BH	BOREHOLE	ENT	ENTRANCE	LWL	LOW WATER LEVEL	STM	STORM
BJB	BELL JUNCTION BOX	EXST OR EX	EXISTING	MH	MAINTENANCE HOLE	STY	STOREY
BP	BELL POLE	GAR	GARAGE	MAX	MAXIMUM	ST	STREET
BPED	BELL PEDESTAL	GV	GAS VALVE	MJ	MECHANICAL JOINT	TAN	TANGENT
BM	BENCH MARK	GBM	GEODETIC BENCHMARK	MIN	MINIMUM	TV	TELEVISION CABLE
BLVD	BOULEVARD	GRAN	GRANULAR	NTS	NOT TO SCALE	TWP	TOWNSHIP
BR	BRICK	GR	GRAVEL OR GRADE	NO	NUMBER	TC	TRAFFIC CONDUIT
BLDG	BUILDING	GP	GUY POLE	OPSD	ONTARIO PROVINCIAL STANDARD DRAWING	TLP	TRAFFIC LIGHT POLE
CB	CATCH BASIN	H	UNDERGROUND HYDRO	PAVT	PAVEMENT	TP	TEST PIT
CBMH	CATCH BASIN MAINTENANCE HOLE	HDPE	HIGH DENSITY POLYETHYLENE	PTP	PERMANENT TURNING POINT	TS	TRAFFIC SIGN
CL	CLASS	HW	HAND WELL	PI	POINT OF INTERSECTION	TRANS	TRANSFORMER
CLF	CHAIN LINK FENCE	HWL	HIGH WATER LEVEL	PE	POLYETHYLENE	TYP	TYPICAL
CONC	CONCRETE	HWY	HIGHWAY	PVC	POLYVINYL CHLORIDE	V. OR VERT	VERTICAL
CPP	CONCRETE PRESSURE PIPE	H. OR HORIZ	HORIZONTAL	PROP	PROPOSED	VPI	VERTICAL POINT OF INTERSECTION
CP	CONTROL POINT OR CONCRETE PIPE	HSE	HOUSE	REINF	REINFORCED	VC	VITRIFIED CLAY
CRES	CRESCENT	HOT	HUB ON TANGENT	RC	REINFORCED CONCRETE	WF	WIRE FENCE
CSP	CORRUGATED STEEL PIPE	HYD	HYDRANT	ROW	RIGHT-OF-WAY	WIF	WROUGHT IRON FENCE
CTVB	CABLE TV BOX	HP	HYDRO POLE	RIB	ROUND IRON BAR	WL	WATER LEVEL
CULV	CULVERT	HPU	HYDRO POLE WITH UNDERGROUND	RD	ROAD	WM	WATERMAIN
DEPT	DEPARTMENT	HLP	HYDRO POLE WITH LIGHT	SAN	SANITARY	WS	WATER SERVICE
DIA	DIAMETER	HTP	HYDRO POLE WITH TRANSFORMER	SC	SERVICE CONNECTION	WV	WATER VALVE
DICB	DITCH INLET CATCH BASIN	ID	INSIDE DIAMETER	SHLD	SHOULDER	SSW	STONE SIDEWALK
DCB	DOUBLE CATCH BASIN	INV	INVERT	SIB	SQUARE IRON BAR	STD	STANDARD

# LEGEND

## EXISTING

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	EXISTING GAS MAIN
	EXISTING BURIED BELL CABLE
	EXISTING BURIED CTV CABLE
	EXISTING BURIED HYDRO CABLE

## REMOVALS

	REMOVE EXISTING PIPE, CURB, ETC.
	REMOVAL
	REMOVE AND REPLACE CONCRETE
	CLEAR AND GRUB TREES, BUSHES, ETC.
	REMOVE AND SALVAGE BRICK PAVERS
	FULL DEPTH ASPHALT REMOVAL

## PROPOSED

	PROPOSED DROP CURB
	GRADING LIMITS
	PROPOSED CONCRETE SIDEWALK
	PROPOSED BRICK PAVERS SIDEWALK
	PROPOSED TACTILE PLATES
	PROPOSED ASPHALT RESTORATION
	PROPOSED CONCRETE RESTORATION
	PROPOSED TOPSOIL AND SOD RESTORATION
	PROPOSED REINSTATED BRICK PAVERS

# DRAWING INDEX

SHEET NO.	DRAWING NO.	DRAWING DESCRIPTION
—	COVER	COVER PAGE
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4	2	DENSMORE ROAD, DIVISON STREET TO BIRCHWOOD TRAIL
5	3	D'ARCY STREET AND ELGIN STREET WEST, NICKERSON DRIVE TO CONGER AVENUE
6	4	UNIVERSITY AVENUE WEST, MARGARET STREET TO WILLIAM STREET

### GENERAL NOTES:

1. THE LOCATION OF THE UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. UNLESS OTHERWISE SPECIFIED IN THESE CONTRACT DRAWINGS, ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD) & STANDARD SPECIFICATIONS (OPSS) SHALL APPLY TO THESE CONTRACT DRAWINGS
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEWATER THE EXCAVATION BASE AND TO CONSTRUCT THE FOUNDATIONS IN DRY CONDITIONS WITHOUT DISTURBING THE UNDERLYING FOUNDATION SOIL.
5. BIDDERS WILL BE DEEMED TO HAVE INSPECTED THE PROJECT SITE AND TAKEN INTO ACCOUNT ALL EXISTING SITE CONDITIONS IN THEIR TENDER SUBMISSION.

### ELEVATION NOTES:

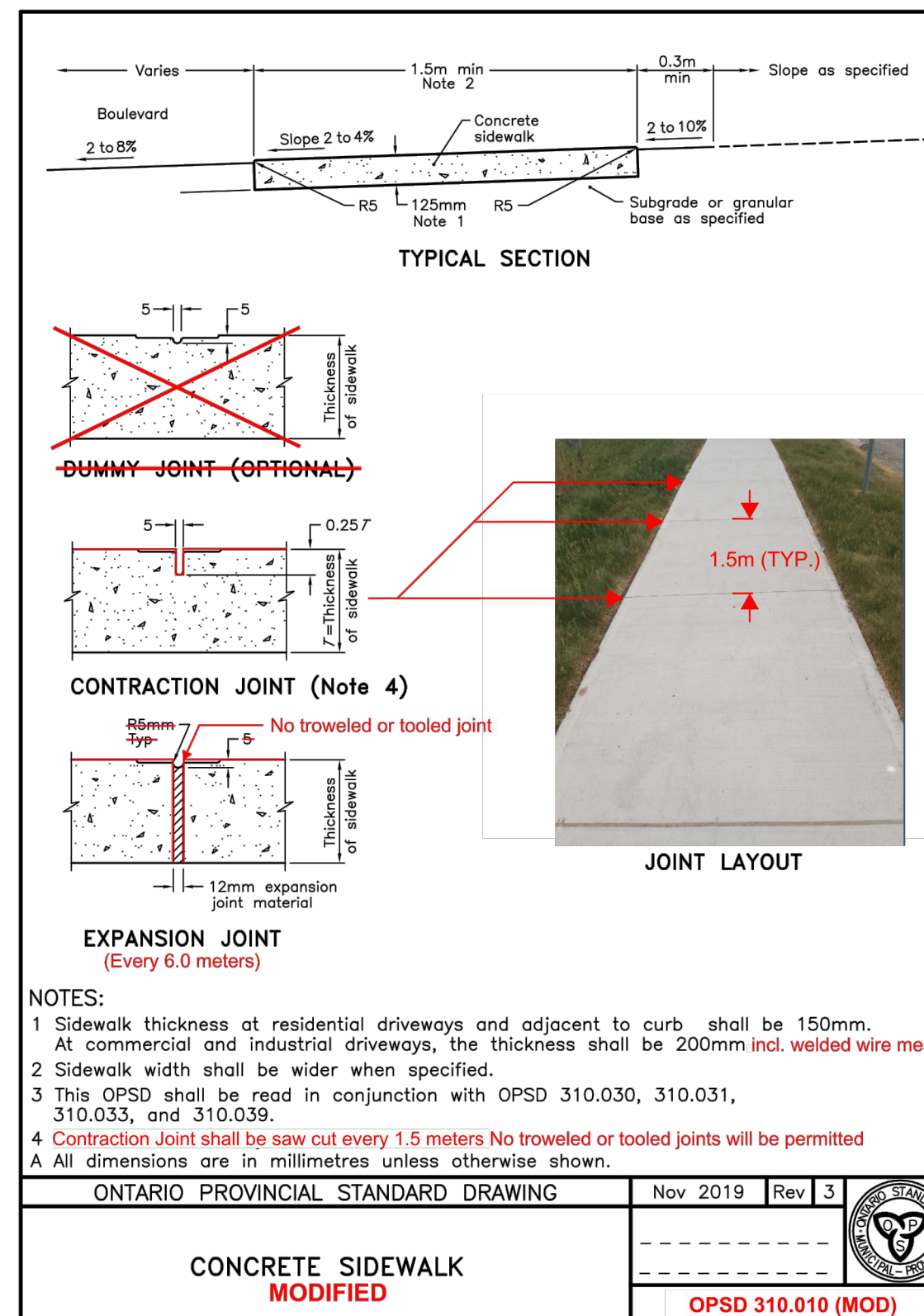
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE SITE BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN IN THIS CONTRACT.

### MAINTENANCE OF TRAFFIC:

1. THE CONTRACTOR IS RESPONSIBLE FOR SUBMISSION OF A TRAFFIC MANAGEMENT PLAN IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL BOOK 7, FOR APPROVAL PRIOR TO THE COMMENCEMENT OF WORK.
2. ACCESS TO ALL ROADS AND ENTRANCES SHALL BE MAINTAINED AT ALL TIMES WITHOUT INTERRUPTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, MAINTAINING, AND RESTORING TEMPORARY ACCESS ROUTES AS REQUIRED.

### CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, RELEVANT DIMENSIONS AND ELEVATIONS ON SITE, ALL DIMENSIONS FOR PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK.
2. THE CONTRACTOR IS RESPONSIBLE TO PROPERLY DISPOSE OF ALL MATERIALS OFF SITE AT A SUITABLE LOCATION, IN CONFORMANCE WITH MUNICIPAL STANDARDS, ONTARIO PROVINCIAL STANDARD SPECIFICATIONS, OPSS 180, O. REG. 406/19, AND OTHER APPLICABLE REGULATIONS.
3. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY NEW CONSTRUCTION TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE ALL PROPERTY MONUMENTS WHILE WORK IS IN PROGRESS. ALL DISTURBED, DAMAGED, OR REMOVED PROPERTY MONUMENTS SHALL BE REPLACED UNDER SUPERVISION OF AN ONTARIO LAND SURVEYOR.
5. CONTRACTOR TO SUPPORT ALL UTILITIES WITH A METHOD APPROVED BY THE GOVERNING UTILITY AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR REINSTATING EXPOSED UTILITIES, AS PER THE UTILITY OWNER'S SPECIFICATIONS, INCLUDING ALL REQUIRED MATERIALS.
6. THE GRANULAR AND FILL MATERIALS SHALL BE PLACED IN MAXIMUM 300mm THICK LOOSE LIFTS AND COMPACTED AT WOPT ±2% MOISTURE CONTENT TO A MINIMUM OF 95% SPMD UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
7. THE COMPACTION EQUIPMENT SHALL BE APPROPRIATE FOR THE MATERIAL TO BE COMPACTED AND THE SITE CONDITIONS AND SHOULD BE PROPOSED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL. ADEQUATE NUMBER OF PASSES SHALL BE EMPLOYED TO ACHIEVE THE SPECIFIED PLACEMENT DENSITIES. HEAVY COMPACTION EQUIPMENT SHOULD NOT BE EMPLOYED NEAR STRUCTURAL WALLS.
8. TEMPORARY GRANULAR SURFACES SHALL BE MAINTAINED, WITHOUT VARIATION (I.E. FREE OF RUTTING/POT HOLES).
9. THE CONTRACTOR SHALL MAINTAIN DITCH AND CREEK FLOWS AT ALL TIMES.
10. GRADING LIMITS SHALL BE LIMITED (IN EXTENT AND DEPTH) TO AVOID IMPACT TO TREES/SHRUBS AND THEIR ROOT ZONES.



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CLIENT:

**THE CORPORATION OF  
THE TOWN OF COBOURG**

VICTORIA HALL  
55 KING STREET WEST  
COBOURG, ONTARIO  
K9A 2M2

PROJECT NAME:

2024 VARIOUS SIDEWALK  
CONSTRUCTION

TOWN OF COBOURG  
CO-24-14 PWD

STAMPS:

DESIGNED BY	APPROVED BY


No.	Date	Description	By
3	05/06/24	ISSUED FOR TENDER	TG
2	04/24/24	ISSUED FOR 90% SUBMISSION	TG
1	03/04/24	ISSUED FOR 50% SUBMISSION	TG

SHEET TITLE:

INDEX, LEGEND AND  
CONSTRUCTION NOTES

DESCRIPTION:

INFRASTRUCTURE

SCALE:

PROJECT No:  
C14-0655

CLIENT File No:

DRAWER:

G. MASK

DESIGNER:

J. LOVITT

DRAWING No:

APPROVER:

T. GLEASON

APPROVER:

B. MADDEN

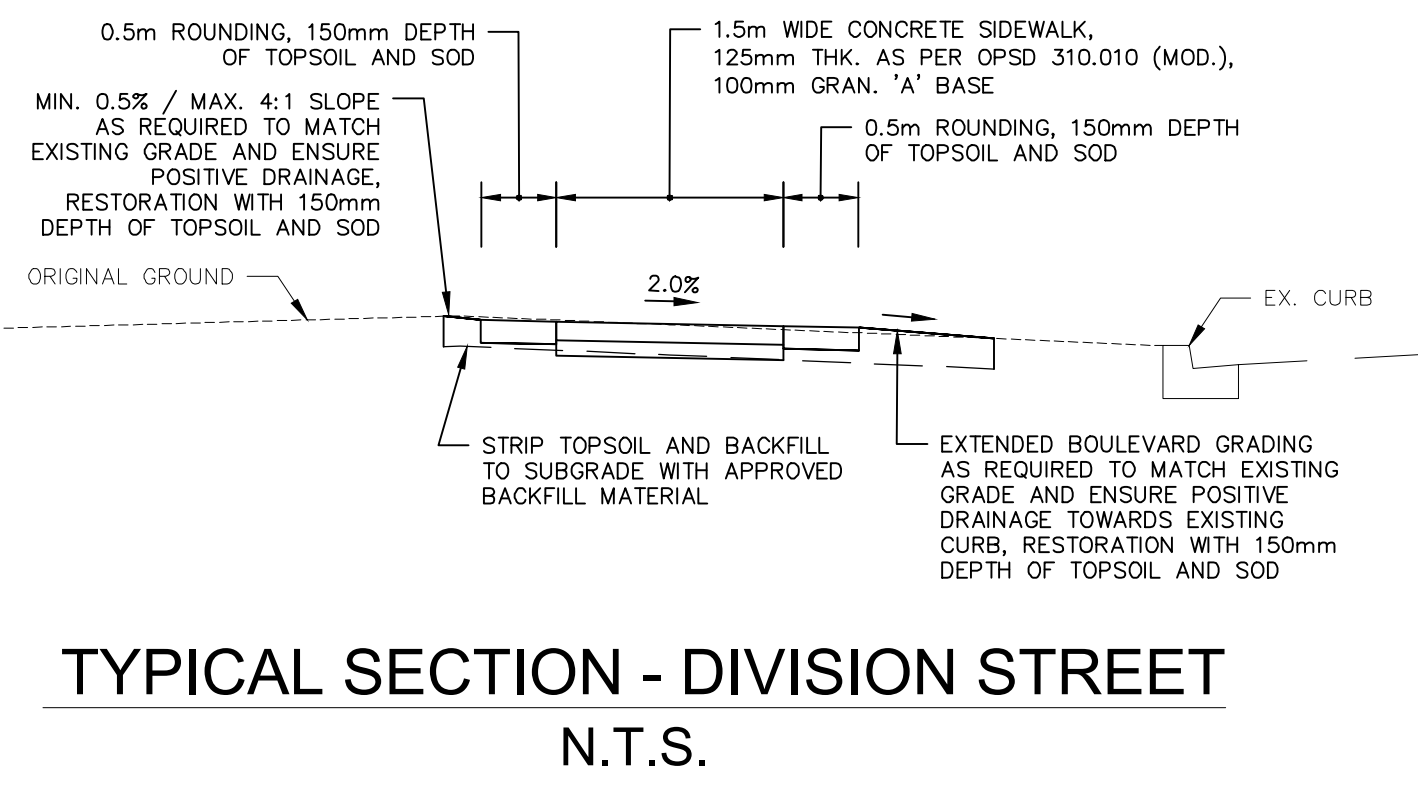
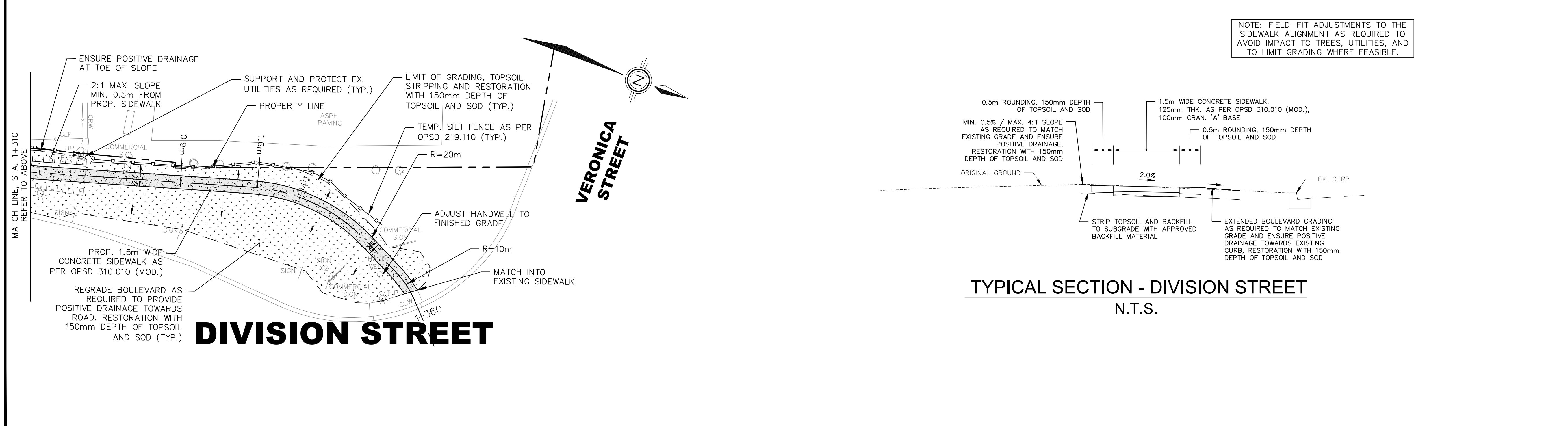
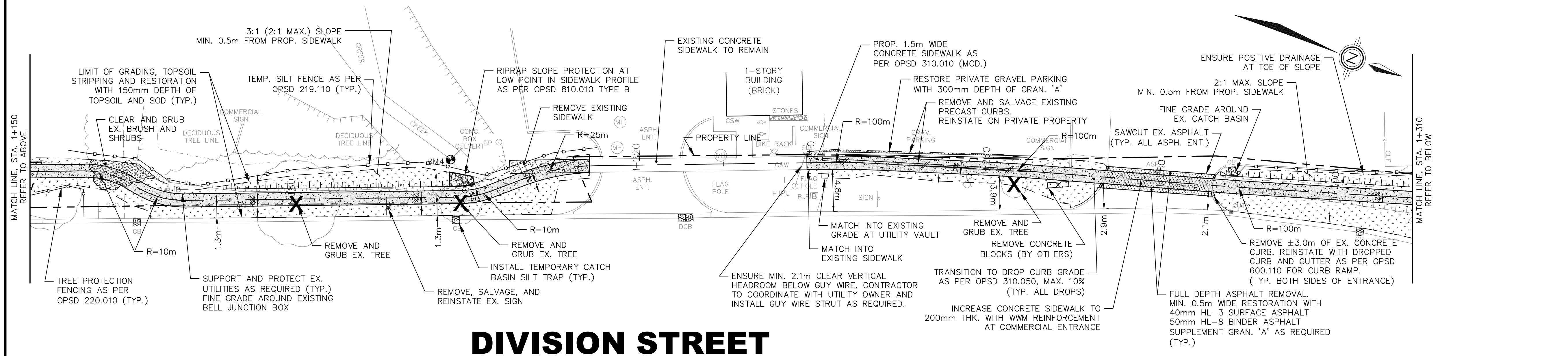
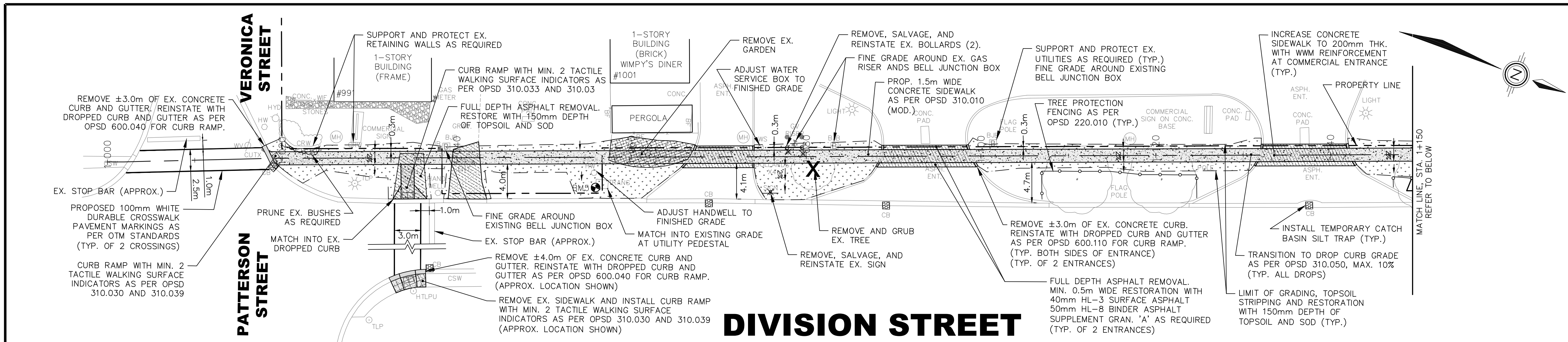
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DATE:

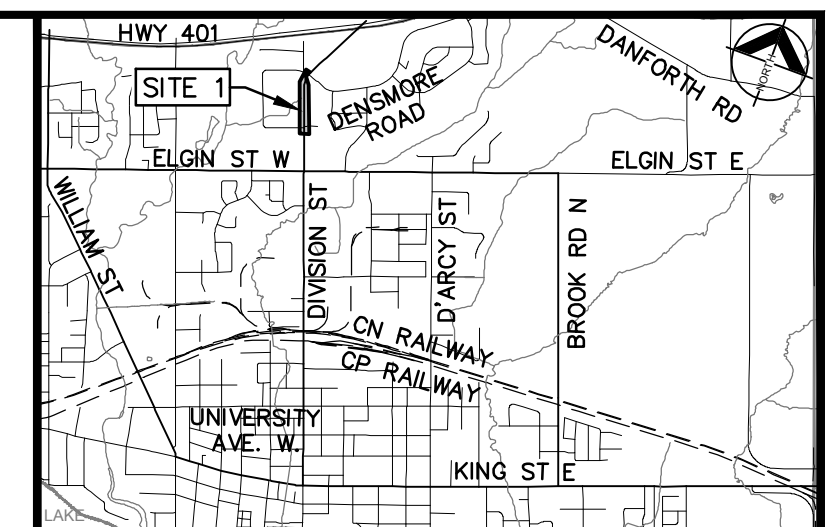
MARCH 2024

SHEET No:

2 of 6



TYPICAL SECTION - DIVISION STREET  
N.T.S.



**BM3** EL. 104.521  
TOP OF THE SOUTHEAST BOLT SECURING THE LIGHT STANDARD AND TRAFFIC LIGHTS TO ITS BASE IN THE NORTHWEST CORNER OF THE INTERSECTION OF VERONICA STREET AND DIVISION STREET.

**BM4** EL. 101.389  
TOP OF THE SOUTHWEST CORNER OF THE CONCRETE BOX CULVERT ON THE WEST SIDE OF DIVISION STREET JUST NORTH OF #1043 DIVISION STREET.

**BM5** EL. 101.389  
TOP OF THE SOUTHEAST CORNER OF THE CONCRETE TRANSFORMER PEDESTAL ON THE WEST SIDE OF DIVISION STREET IN FRONT OF #1001 DIVISION STREET.

SEE INDEX SHEET FOR CONSTRUCTION NOTES

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**2024 VARIOUS SIDEWALK CONSTRUCTION**

TOWN OF COBOURG  
CO-24-14 PWD

DESIGNED BY: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_

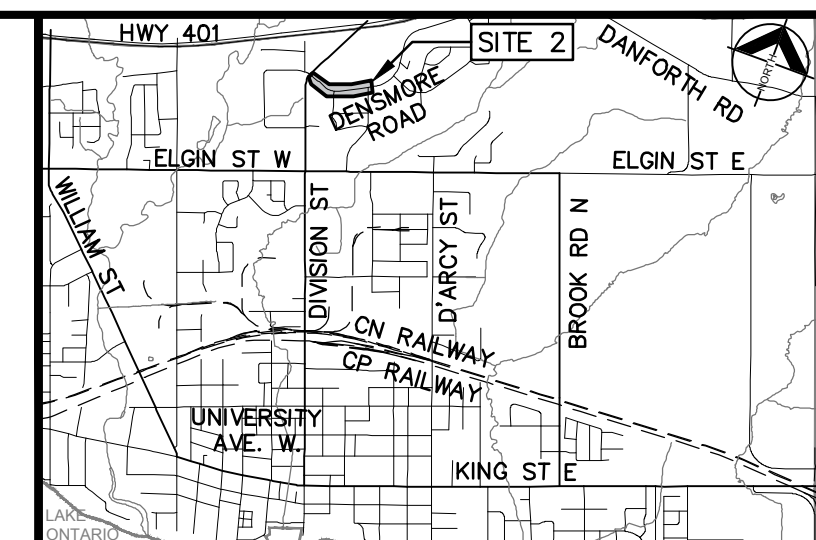
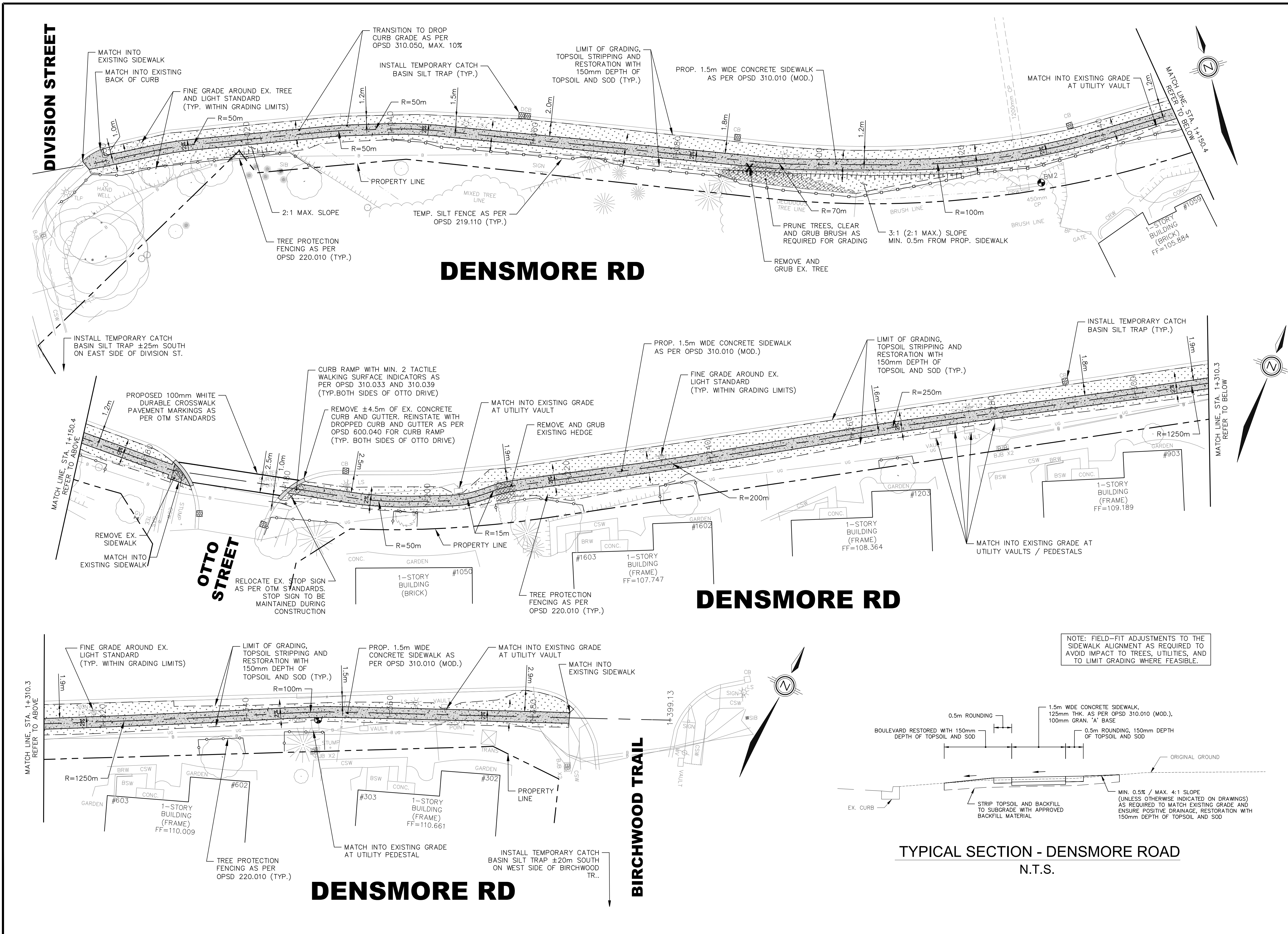
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SHEET TITLE:  
**DIVISION STREET  
VERONICA STREET TO VERONICA STREET**

DISCIPLINE:  
**INFRASTRUCTURE**

SCALE:  
HORIZ. 1:250

PROJECT No: C14-0655	CLIENT File No:
DRAFTER: G. MASK	DESIGNER: J. LOVITT
APPROVER: I. GLEASON	APPROVER: B. MADDEN
DATE: MARCH 2024	SHEET No: 3 of 6



**BM1** EL. 110.087  
TOP OF THE NORTHEAST CORNER OF THE CONCRETE TRANSFORMER PEDESTAL BETWEEN UNITS #303 AND #602 BIRCHWOOD TRAIL ON THE SOUTH SIDE OF DENSMORE ROAD.

**BM2** EL. 103.772  
TOP OF THE NORTHEAST CORNER OF THE 0.4 METRE CONCRETE HEADWALL ON THE SOUTH SIDE OF DENSMORE ROAD SOUTHWEST OF THE ENTRANCE TO #121 DENSMORE ROAD.

**BM3** EL. 104.521  
TOP OF THE SOUTHEAST BOLT SECURING THE LIGHT STANDARD AND TRAFFIC LIGHTS TO ITS BASE IN THE NORTHWEST CORNER OF THE INTERSECTION OF VERONICA STREET AND DIVISION STREET.

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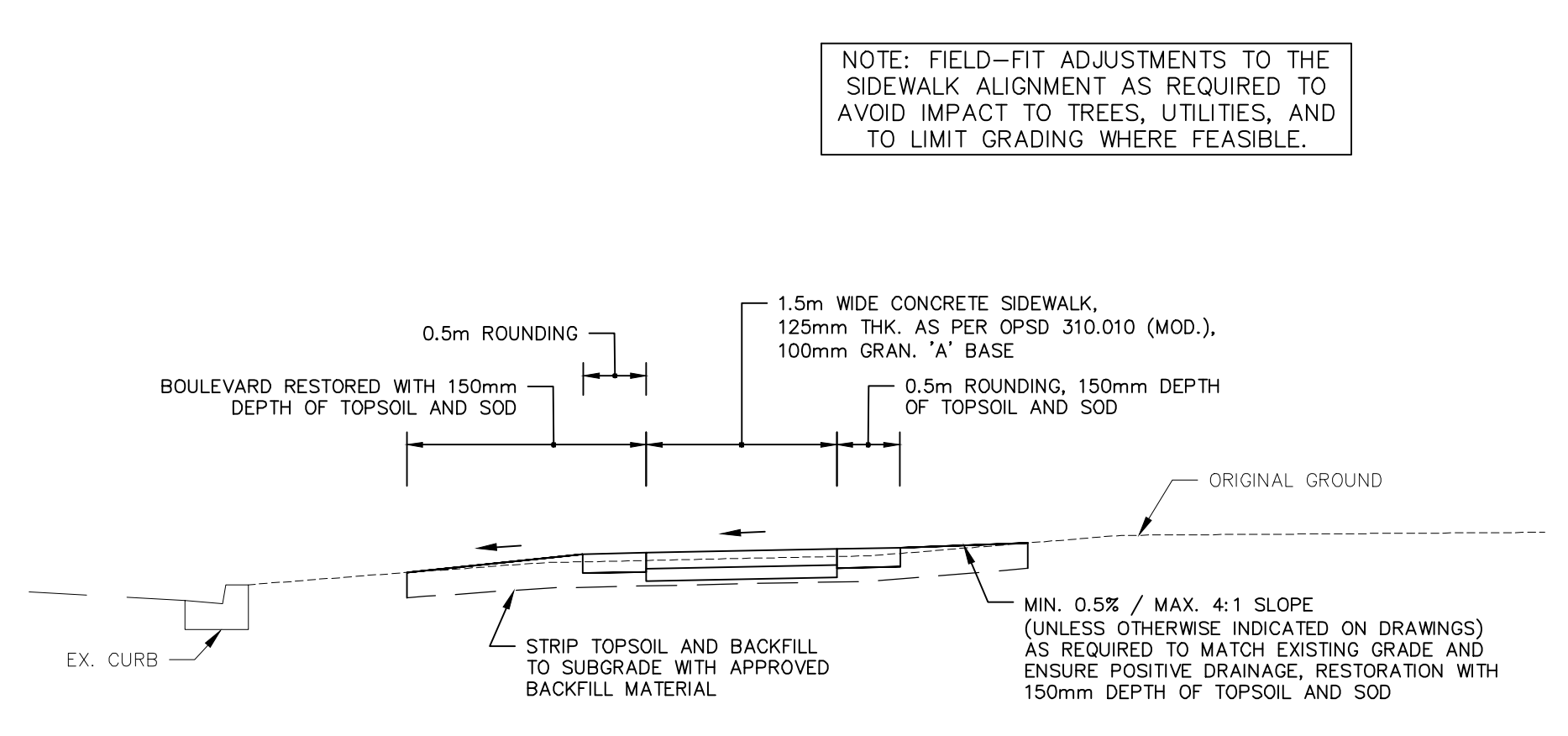
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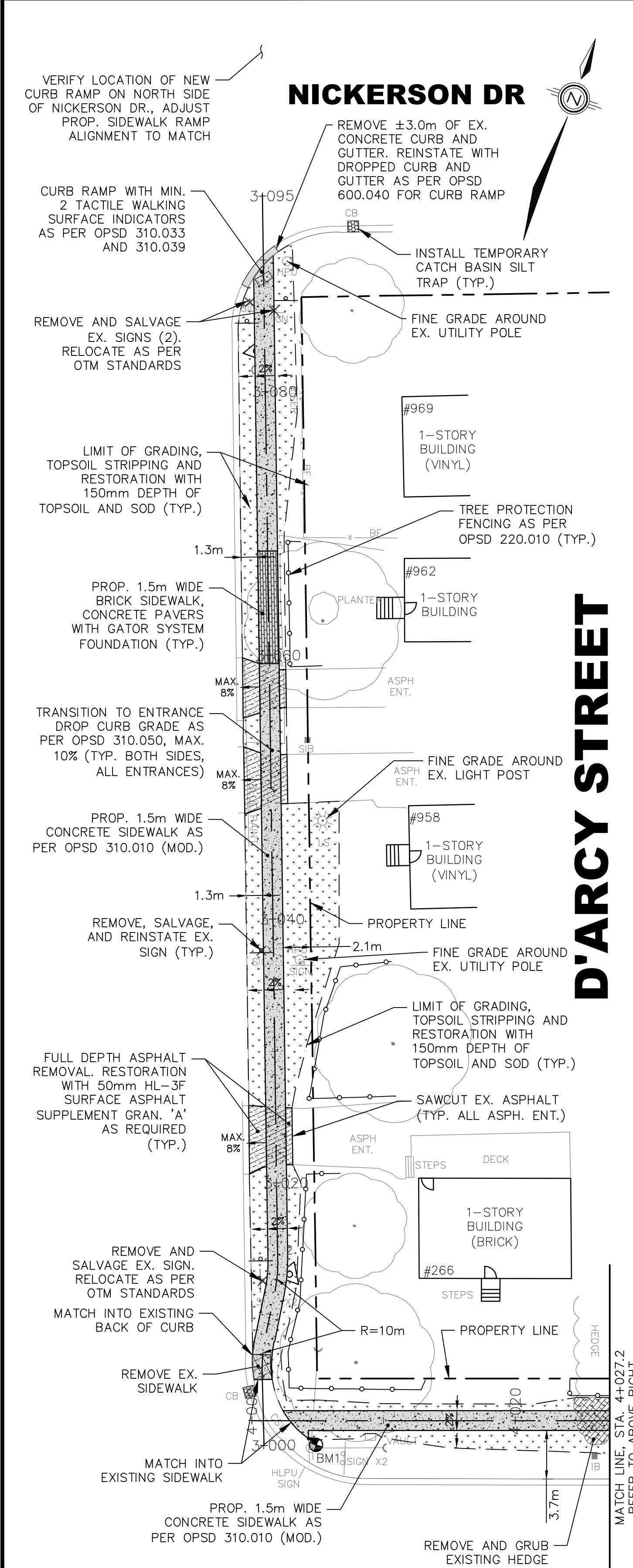
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**DENSMORE ROAD**  
DIVISION STREET TO BIRCHWOOD TRAIL

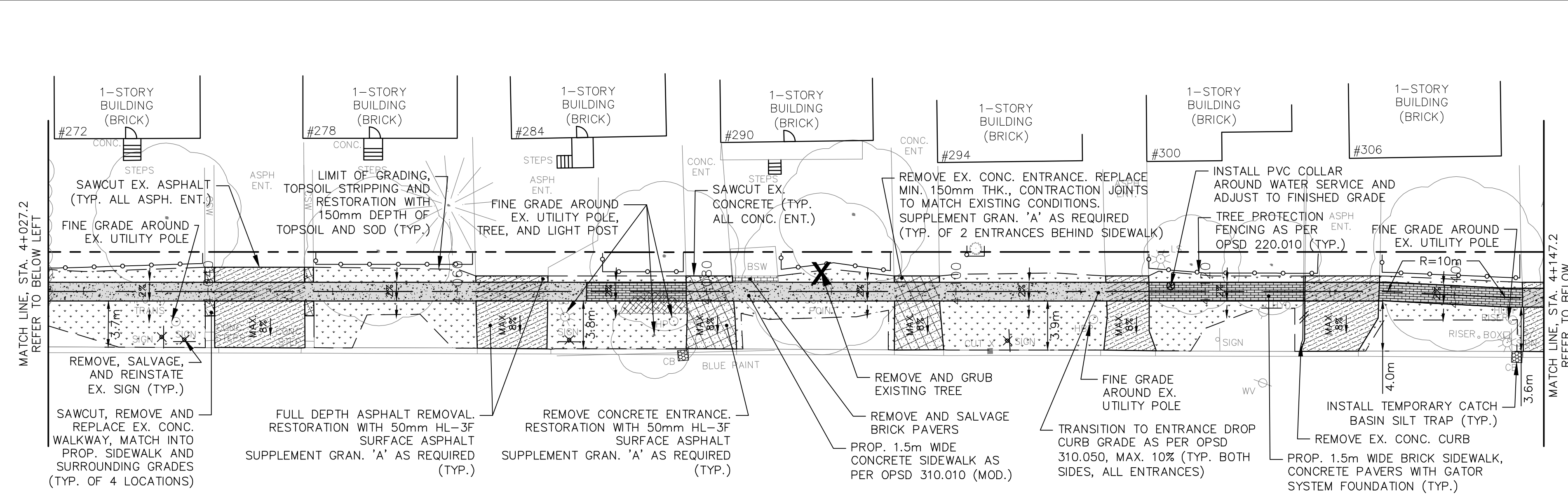
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DRAWER: G. MASK	DESIGNER: J. LOVITT
APPROVER: T. GLEASON	APPROVER: B. MADDEN
DATE: MARCH 2024	SHEET No. 4 of 6



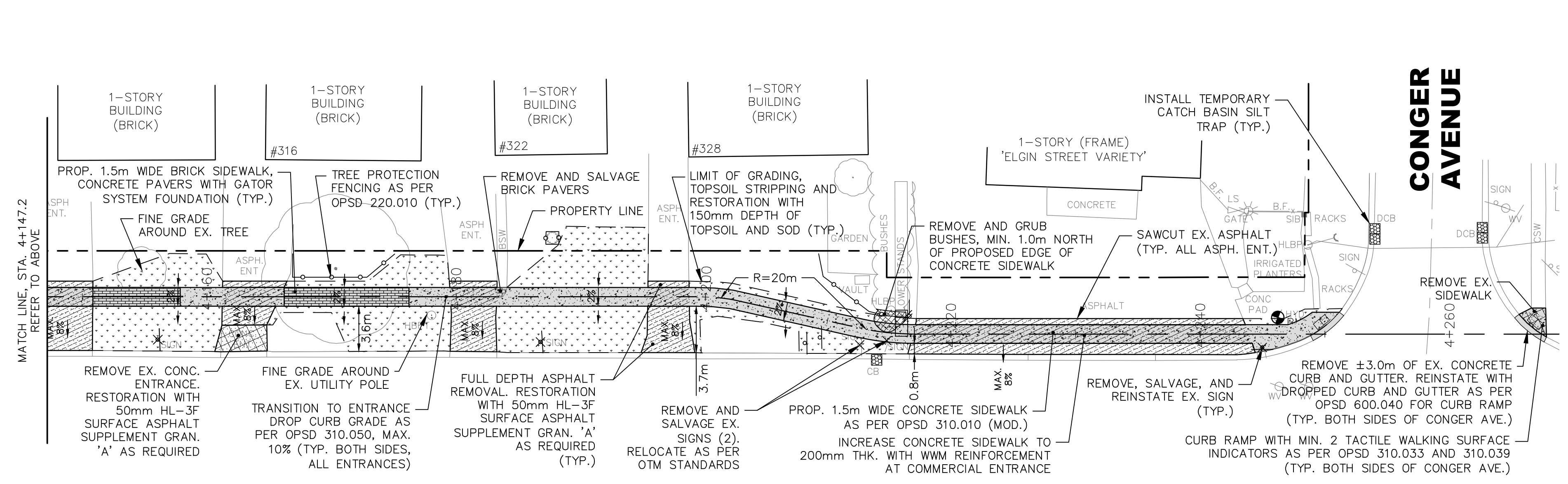
**TYPICAL SECTION - DENSMORE ROAD**  
N.T.S.



# ELGIN STREET EAST



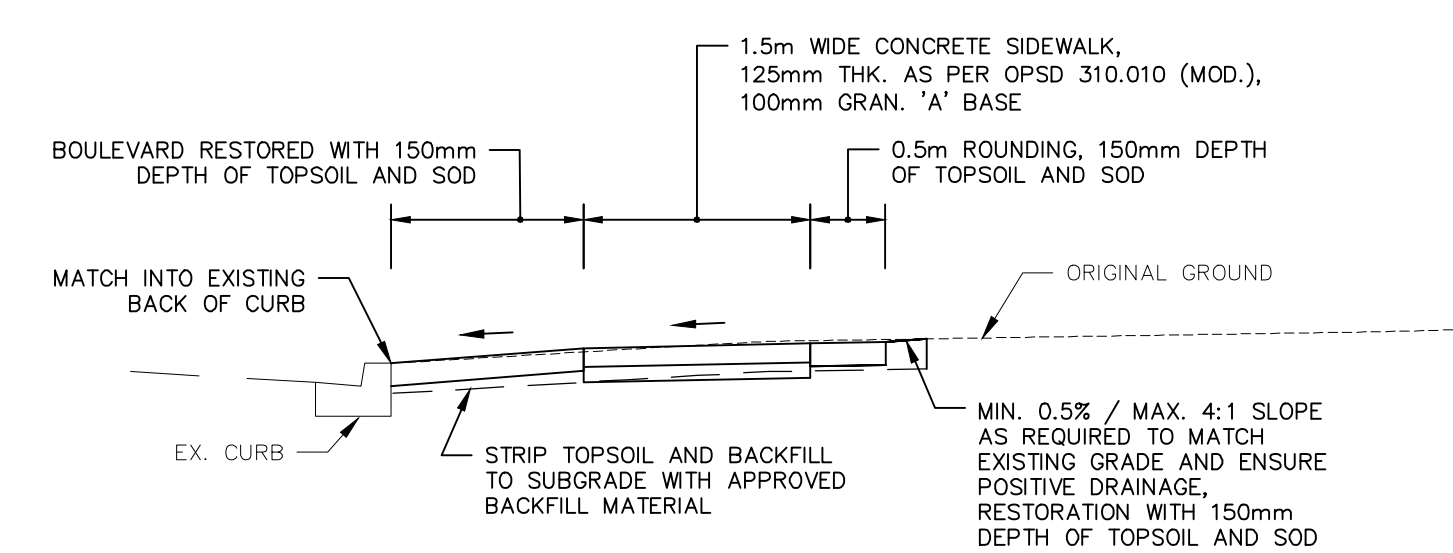
# ELGIN STREET EAST



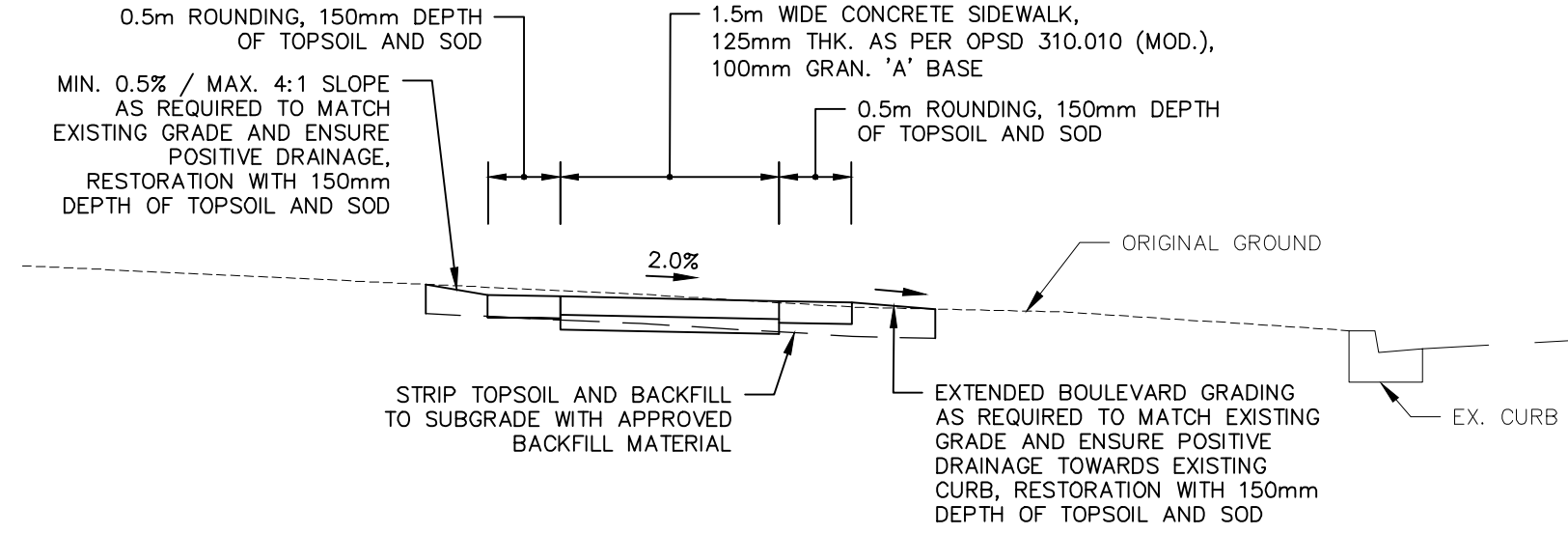
# ELGIN STREET EAST

NOTE: PRUNE TREES AND BUSHES AS REQUIRED TO PROVIDE MIN. 2.1m CLEAR VERTICAL HEADROOM AND TO PROVIDE MIN. 1.0m CLEAR HORIZONTAL SPACE FROM EDGE OF PROPOSED SIDEWALK.

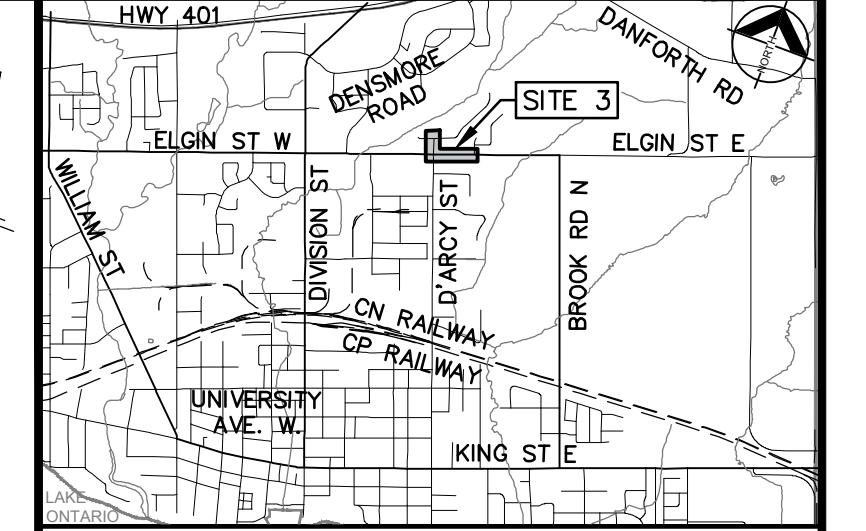
NOTE: FIELD-FIT ADJUSTMENTS TO THE SIDEWALK ALIGNMENT AS REQUIRED TO AVOID IMPACT TO TREES, UTILITIES, AND TO LIMIT GRADING WHERE FEASIBLE.



TYPICAL SECTION - D'ARCY STREET  
N.T.S.



TYPICAL SECTION - ELGIN STREET  
N.T.S.



BM2 EL. 100.118  
TOP OF THE NAIL IN THE NORTH FACE OF THE UTILITY POLE IN THE NORTHEAST CORNER OF THE INTERSECTION OF ELGIN STREET EAST AND D'ARCY STREET.

BM2 EL. 99.917  
TOP OF THE SOUTHWEST LOWER FLANGE BOLT ON THE HYDRANT IN THE NORTHWEST CORNER OF THE INTERSECTION OF ELGIN STREET EAST AND CONGER AVENUE.

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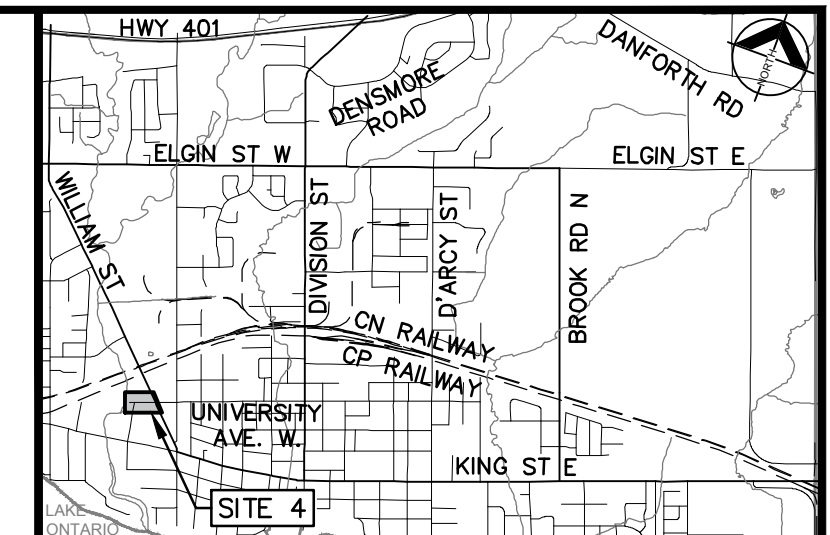
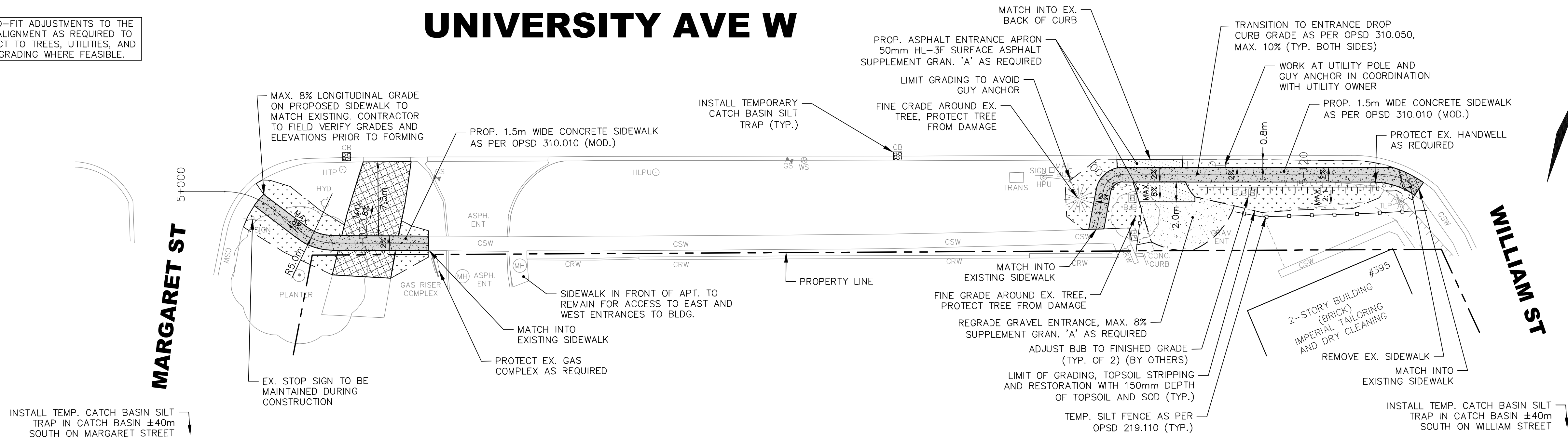
SHEET TITLE:  
**D'ARCY STREET AND ELGIN STREET WEST  
NICKERSON DRIVE TO CONGER AVENUE**

DISCIPLINE:  
**INFRASTRUCTURE**

SCALE: HORIZ. 1:250	PROJECT No: C14-0655	CLIENT File No:
DRAWER: G. MASK	DESIGNER: J. LOVITT	DRAWING No:
APPROVER: T. GLEASON	APPROVED: B. MADDEN	3
DATE: MARCH 2024	SHEET No:	5 of 6

NOTE: FIELD-FIT ADJUSTMENTS TO THE SIDEWALK ALIGNMENT AS REQUIRED TO AVOID IMPACT TO TREES, UTILITIES, AND TO LIMIT GRADING WHERE FEASIBLE.

# UNIVERSITY AVE W



BM1 EL. 84.071  
 TOP OF THE SOUTHEAST 0.03 METRE DIAMETER REBAR PROTRUDING 0.16 METRES ABOVE THE CONCRETE SLAB JUST NORTH OF THE BUS STOP BENCH IN THE NORTHWEST CORNER OF WILLIAM STREET AND UNIVERSITY AVENUE WEST.

SEE INDEX SHEET FOR CONSTRUCTION NOTES



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 MARGARET STREET TO WILLIAM STREET**

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SCALE:  
 HORIZ. 1:250

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APPROVER: T. GLEASON	APPROVER: B. MADDEN
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