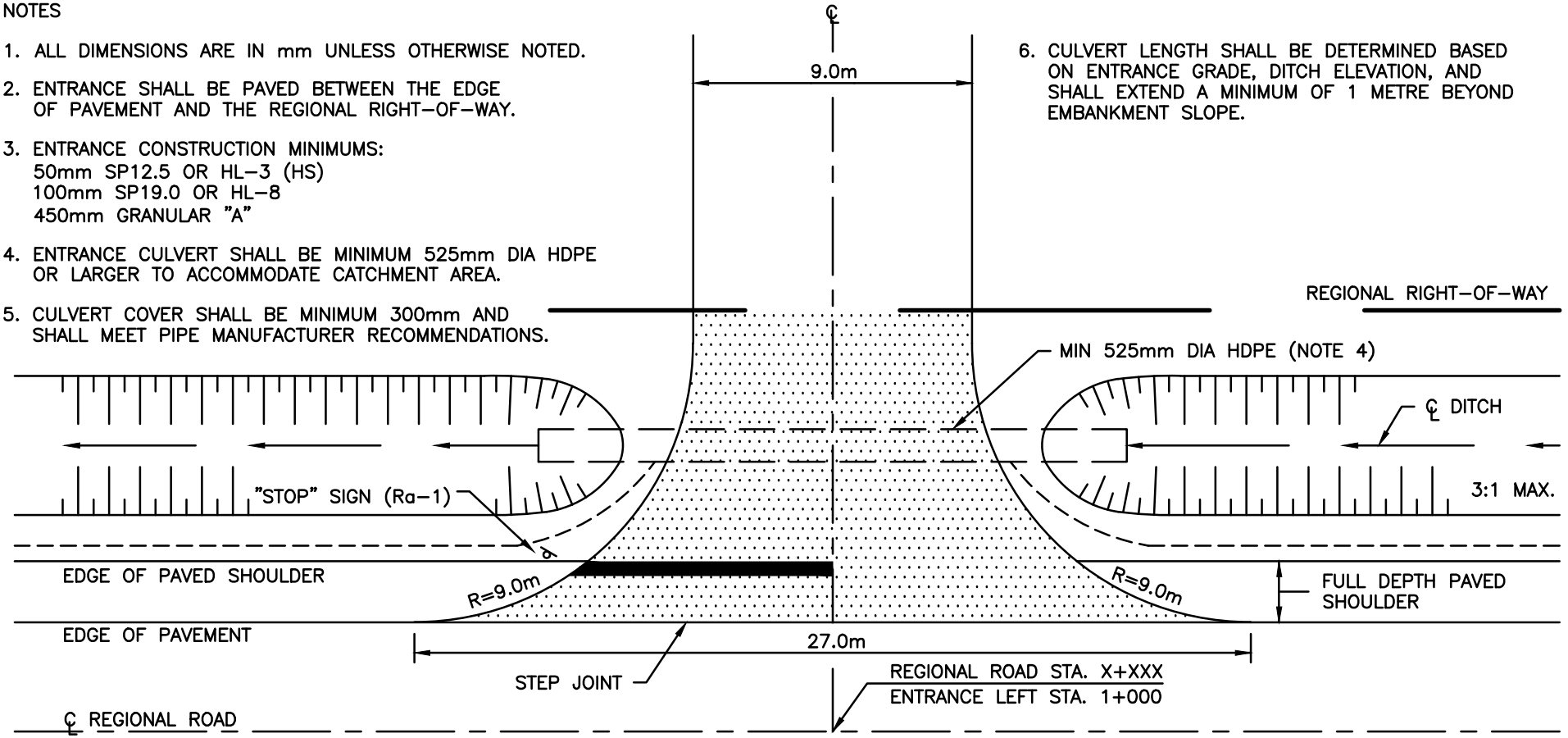
DS 200 Series – Commercial and Residential Entrance Design Standard Drawings List

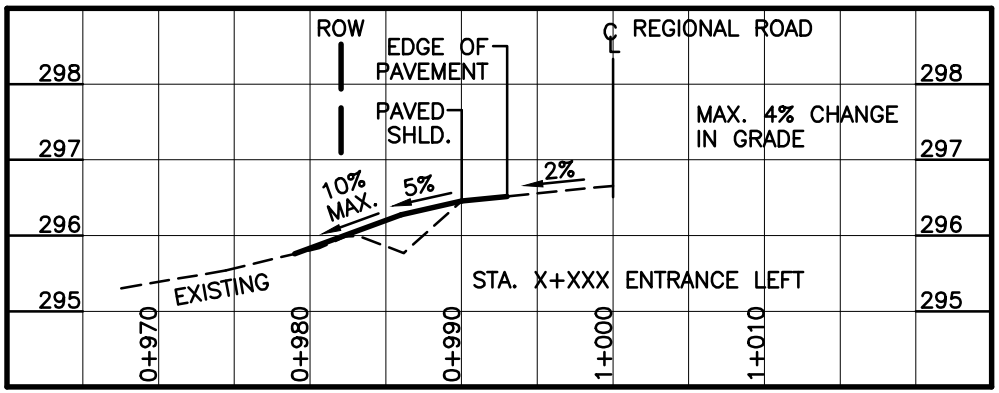
Drawing Number	Drawing Title	Revision Date
DS-200	Commercial Entrance - Rural	September 2026
DS-201	Commercial - Typical Right Turn In Only - Rural	March 2023
DS-202	Commercial - Typical Right Turn In / Right Turn Out Only - Rural	March 2023
DS-203	Commercial Entrance - Urban	January 2023
DS-204	Commercial - Typical Right Turn In Only - Urban	March 2023
DS-205	Commercial - Typical Right Turn Out Only - Urban	March 2023
DS-206	Commercial - Right In / Right Out Only (Blocked by Concrete Raised Slab Median) - Urban	March 2023
DS-207	Commercial - Typical Right Turn In / Right Turn Out - Urban	March 2023
DS-208	Commercial - Typical Divided Entrance - (1 Lane In, 2 Lanes Out) - Urban	March 2023
DS-209	Commercial - Typical Divided Entrance - (2 Lanes In, 2 Lanes Out) - Urban	March 2023
DS-210	Commercial - Typical Divided Entrance with Right Turn lane - (2 Lanes In, 2 Lanes Out) - Urban	March 2023
DS-211	Property Requirement for Traffic Control Signals at Commercial Entrance - (1 Lane In, 2 Lanes Out)	January 2023
DS-212	Property Requirement for Traffic Control Signals at Commercial Entrance - (4 Lanes with Median)	January 2023
DS-213	Property Requirement for Traffic Control Signals at Commercial Entrance - (5 Lanes with Median)	January 2023
DS-214	Residential Entrance - Rural	September 2026
DS-215	Single Family Residential Entrance - Urban	January 2023
DS-216	Commercial Entrance Curb Return	January 2023
DS-217	Mud Mat for Temporary Construction Access	January 2023
DS-219	Road Widening Detail	March 2023
DS-220	Trench Restoration Detail	March 2023

DS-221	Siltation Control Along Regional Property Lines	January 2023
DS-222	Check Dams on Swales Conveying Flow Towards Regional Property Lines	January 2023

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. ENTRANCE SHALL BE PAVED BETWEEN THE EDGE OF PAVEMENT AND THE REGIONAL RIGHT–OF–WAY.
3. ENTRANCE CONSTRUCTION MINIMUMS:
   50mm SP12.5 OR HL–3 (HS)
   100mm SP19.0 OR HL–8
   450mm GRANULAR "A"
4. ENTRANCE CULVERT SHALL BE MINIMUM 525mm DIA HDPE OR LARGER TO ACCOMMODATE CATCHMENT AREA.
5. CULVERT COVER SHALL BE MINIMUM 300mm AND SHALL MEET PIPE MANUFACTURER RECOMMENDATIONS.
6. CULVERT LENGTH SHALL BE DETERMINED BASED ON ENTRANCE GRADE, DITCH ELEVATION, AND SHALL EXTEND A MINIMUM OF 1 METRE BEYOND EMBANKMENT SLOPE.



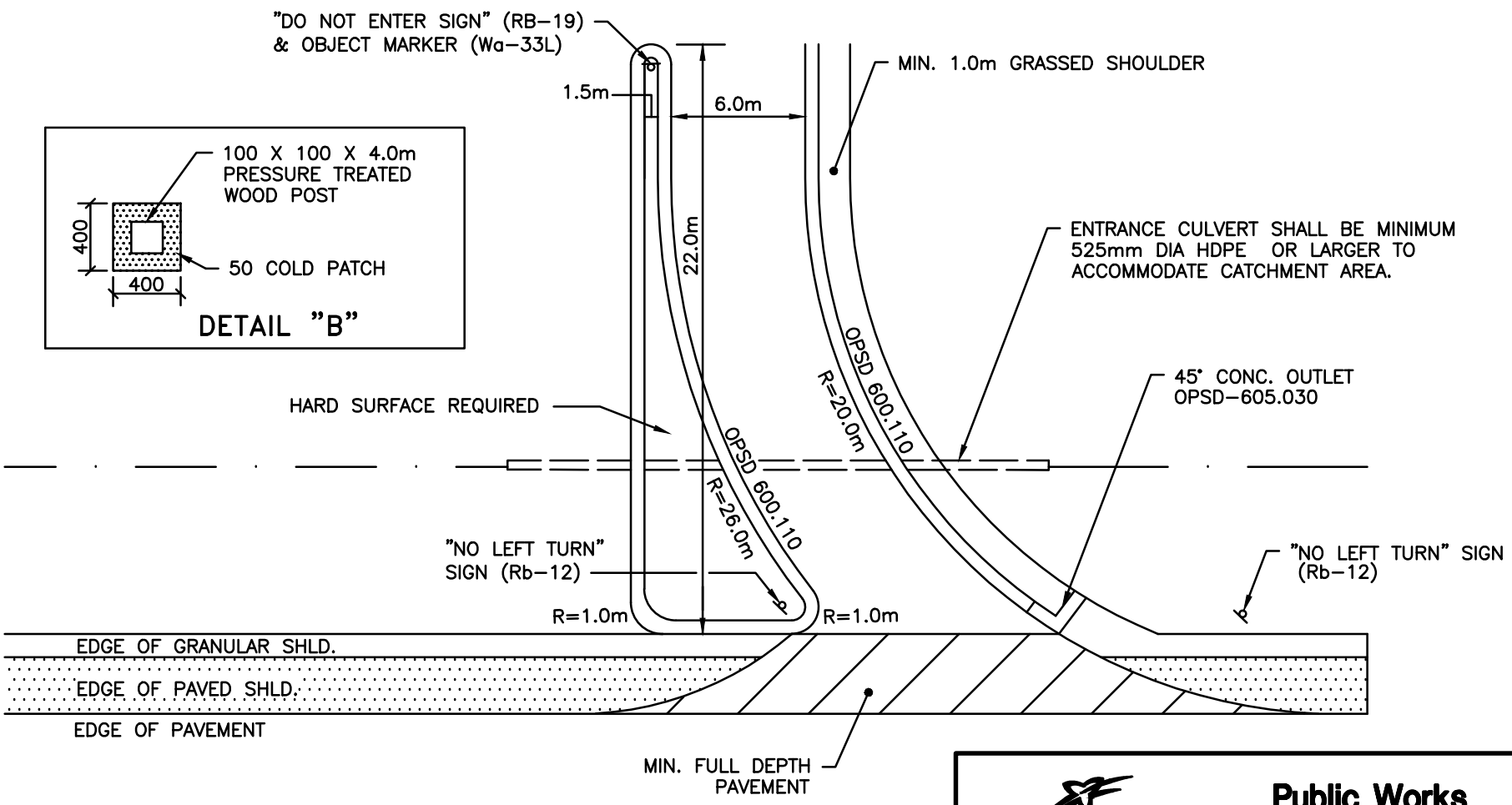


York Region

Public Works Transportation

COMMERCIAL ENTRANCE –RURAL

DATE: SEPTEMBER 2026		SCALE N.T.S.
REV.	X X	DS–200



NOTES

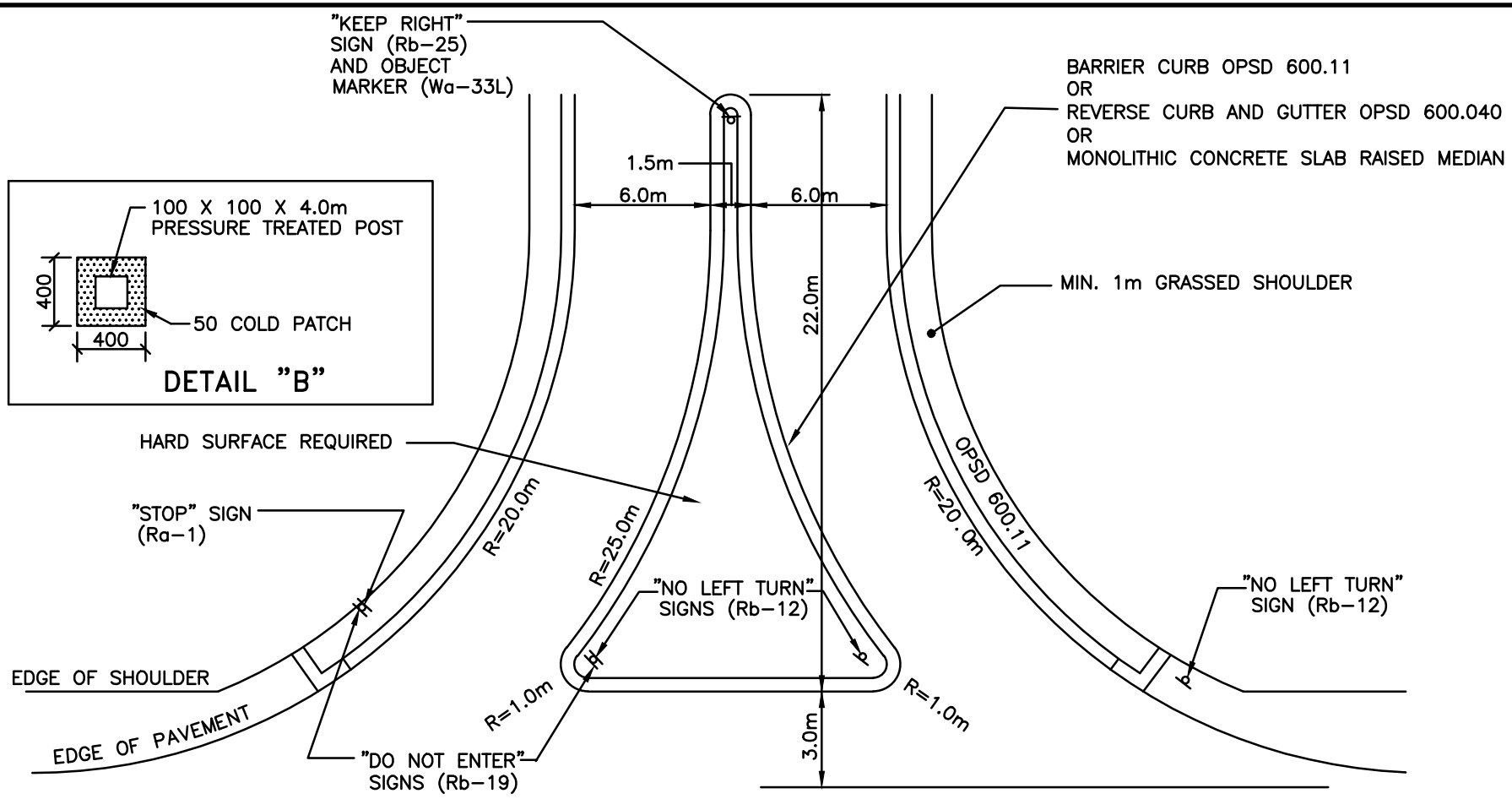
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E-6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. HARD SURFACE TO BE PROVIDED WITHIN MEDIAN WHERE BARRIER CURB OR CURB AND GUTTER IS USED.

York Region

Public Works
Transportation

COMMERCIAL-
TYPICAL RIGHT TURN IN ONLY
-RURAL

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS-201



NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E–6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. HARD SURFACE TO BE PROVIDED WITHIN MEDIAN WHERE BARRIER CURB OR CURB AND GUTTER IS USED.

York Region

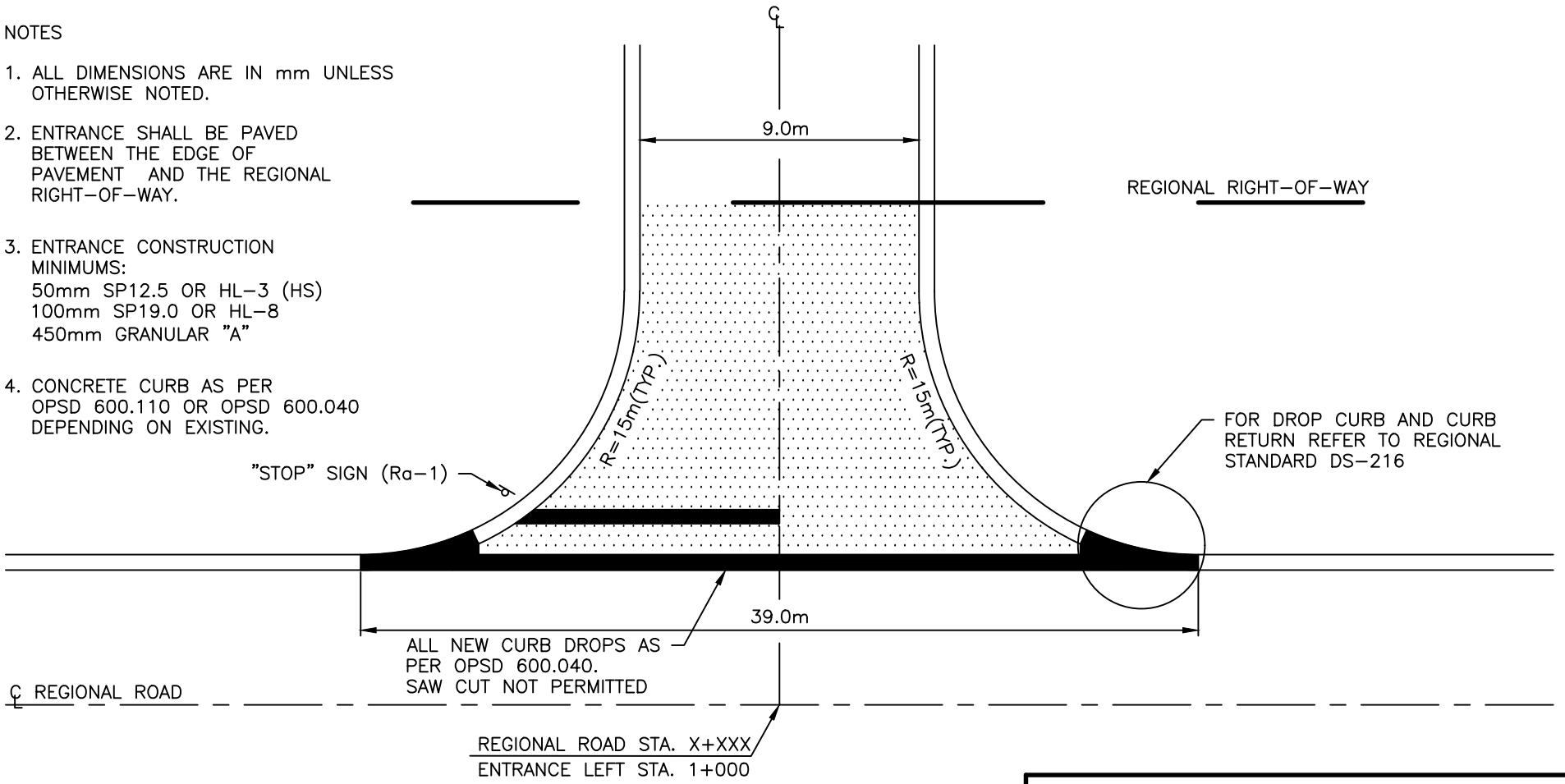
Public Works Transportation

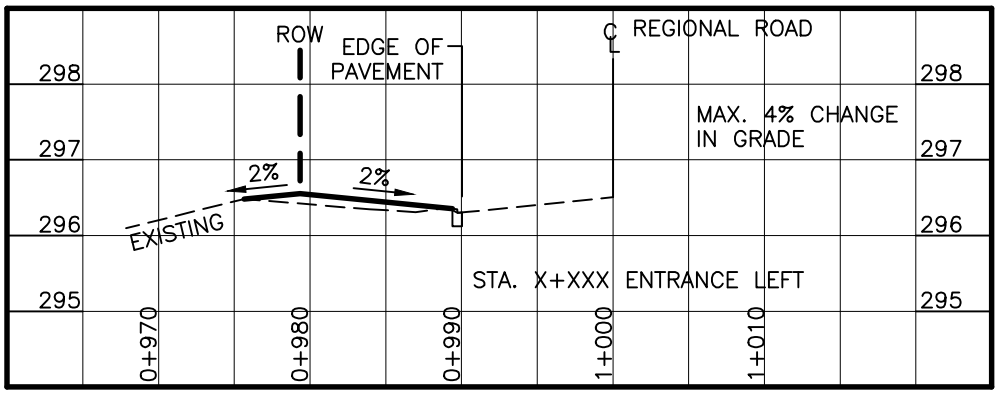
COMMERCIAL– TYPICAL RIGHT TURN IN/ RIGHT TURN OUT ONLY –RURAL

DATE:	MARCH 2023		SCALE N.T.S.
REV.	X	X	DS–202

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. ENTRANCE SHALL BE PAVED BETWEEN THE EDGE OF PAVEMENT AND THE REGIONAL RIGHT–OF–WAY.
3. ENTRANCE CONSTRUCTION MINIMUMS:
   50mm SP12.5 OR HL–3 (HS)
   100mm SP19.0 OR HL–8
   450mm GRANULAR "A"
4. CONCRETE CURB AS PER OPSD 600.110 OR OPSD 600.040 DEPENDING ON EXISTING.



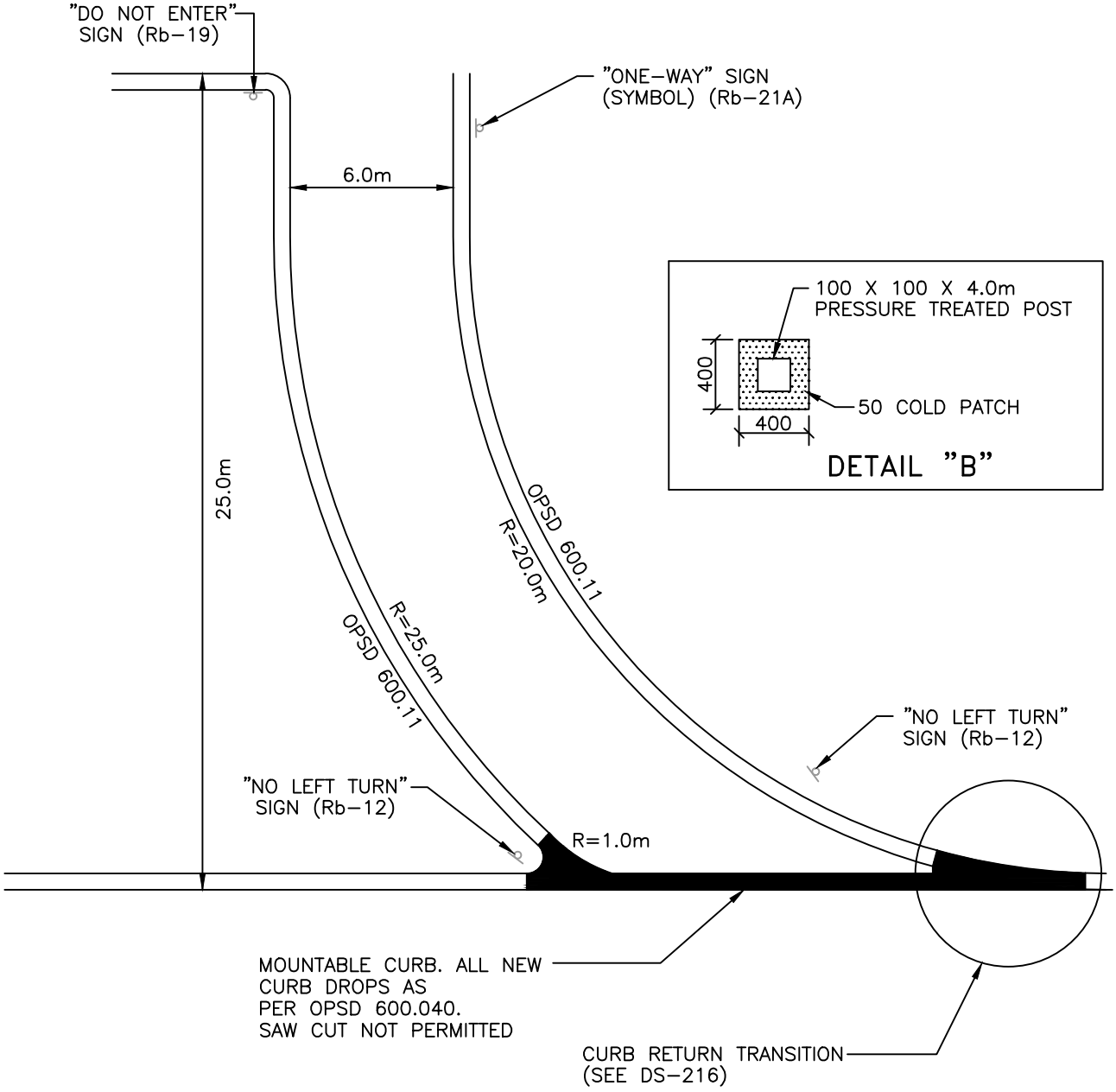


York Region

Public Works Transportation

COMMERCIAL ENTRANCE – URBAN

DATE: JANUARY 2023			SCALE N.T.S.
REV.	X	X	DS–203



NOTES

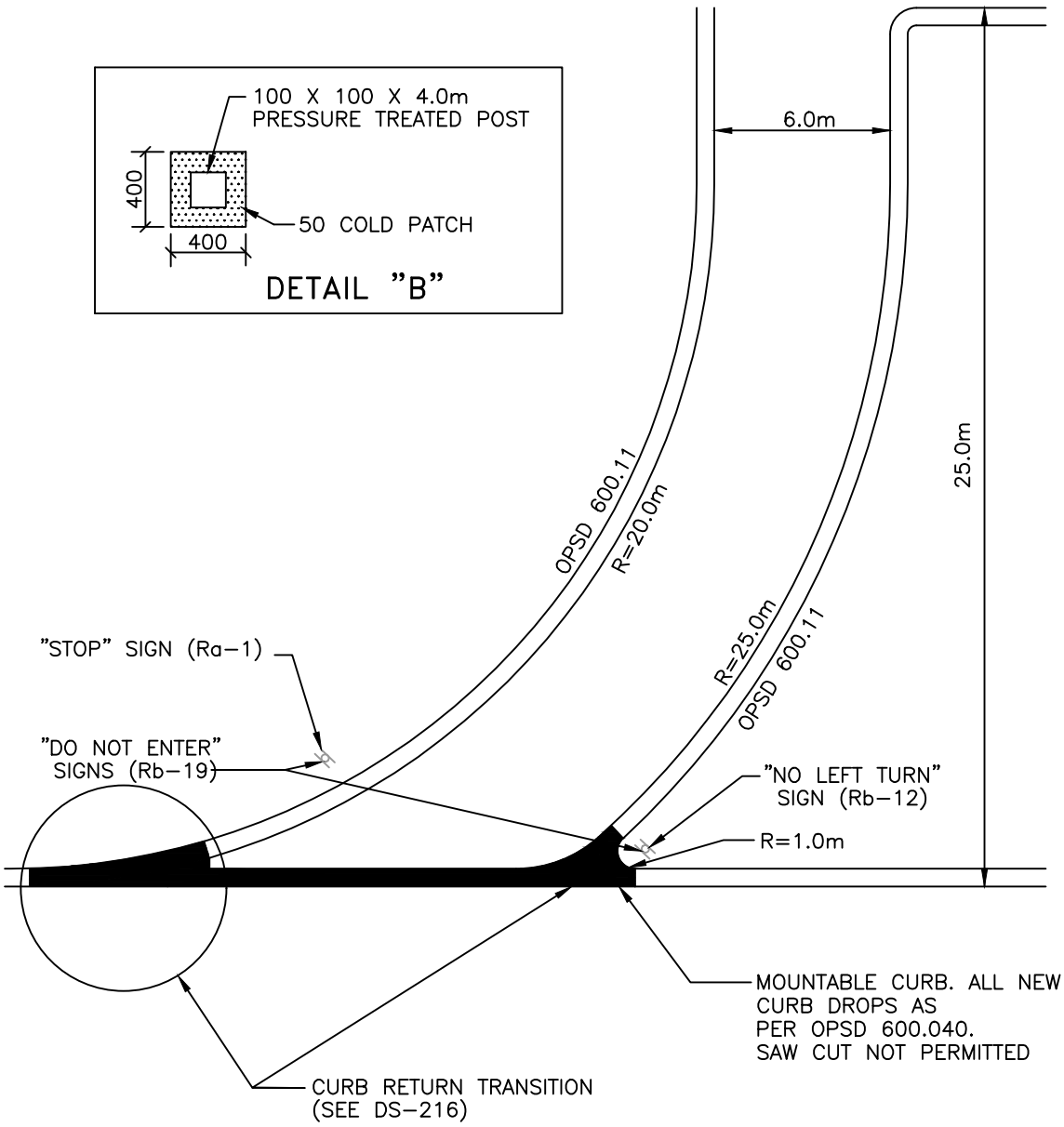
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E–6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. SIDEWALK TO CARRY THROUGH ENTRANCE.

York Region

Public Works
Transportation

COMMERCIAL– TYPICAL RIGHT TURN IN ONLY –URBAN

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS–204



NOTES

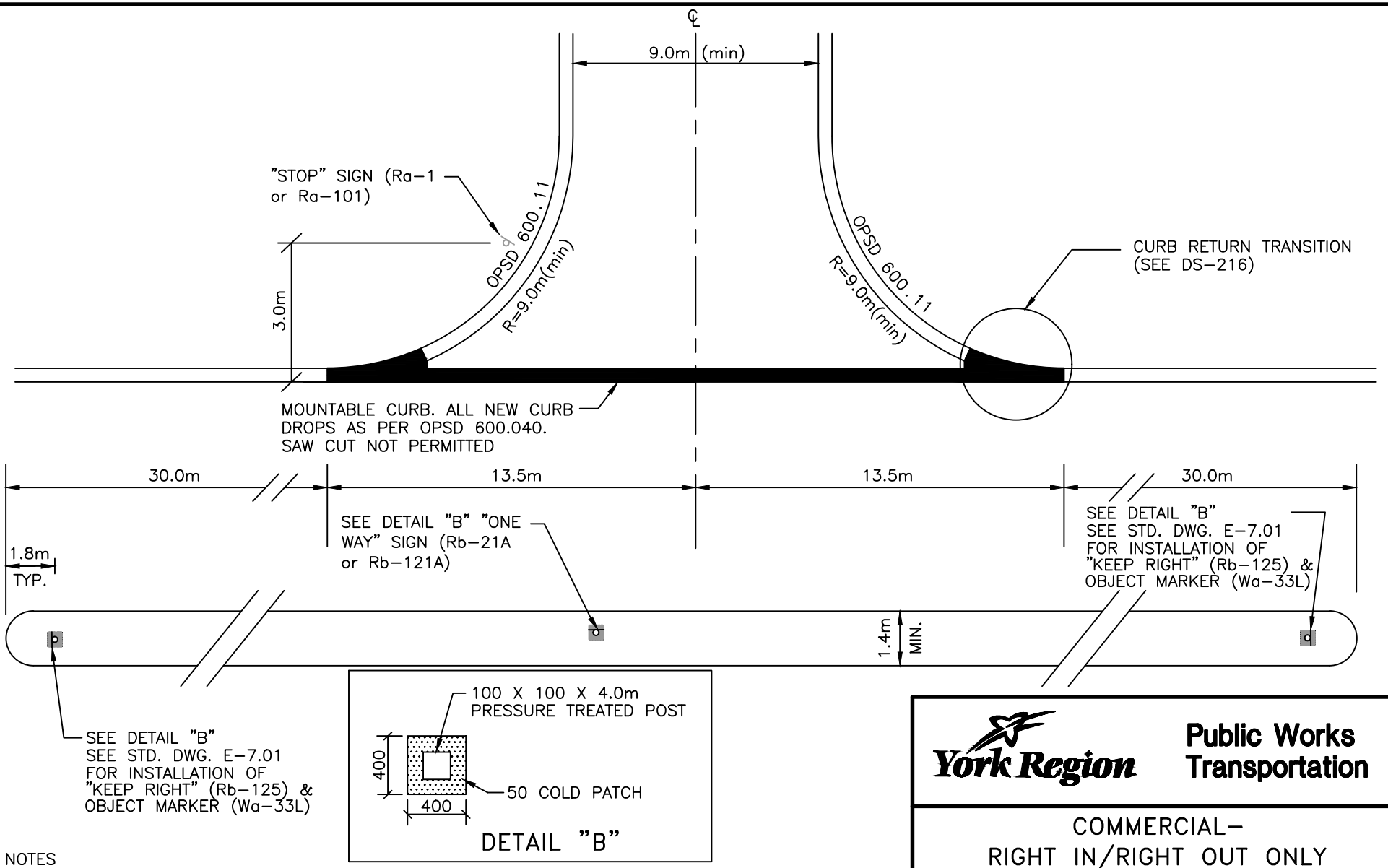
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E-6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.

York Region

Public Works
Transportation

COMMERCIAL- TYPICAL RIGHT TURN OUT ONLY -URBAN

DATE:	MARCH 2023		SCALE N.T.S.
REV.	X	X	DS-205



NOTES

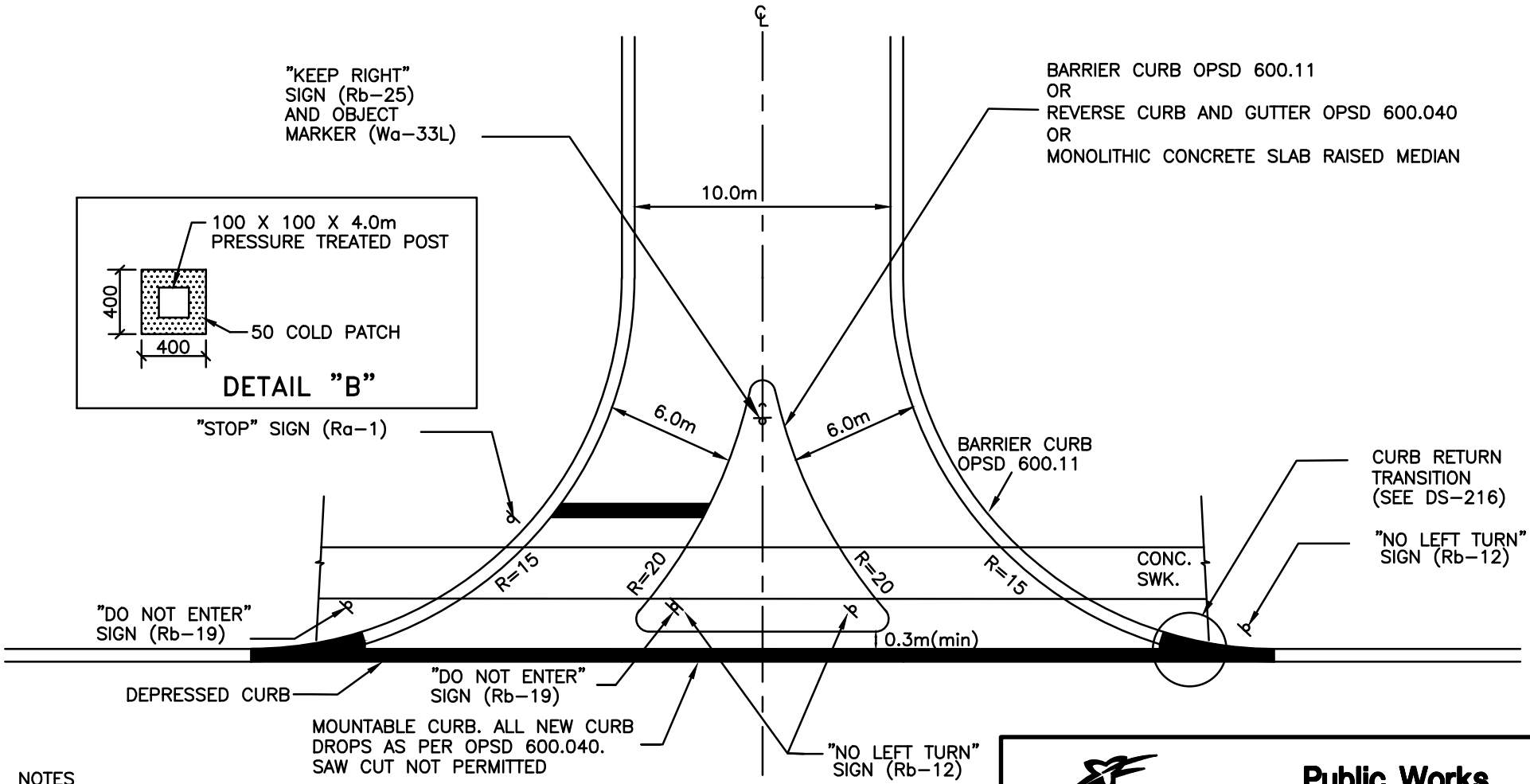
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4x4 PRESSURE TREATED WOOD POSTS.

York Region

Public Works Transportation

COMMERCIAL– RIGHT IN/RIGHT OUT ONLY (BLOCKED BY CONCRETE SLAB RAISED MEDIAN) – URBAN

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS–206



NOTES

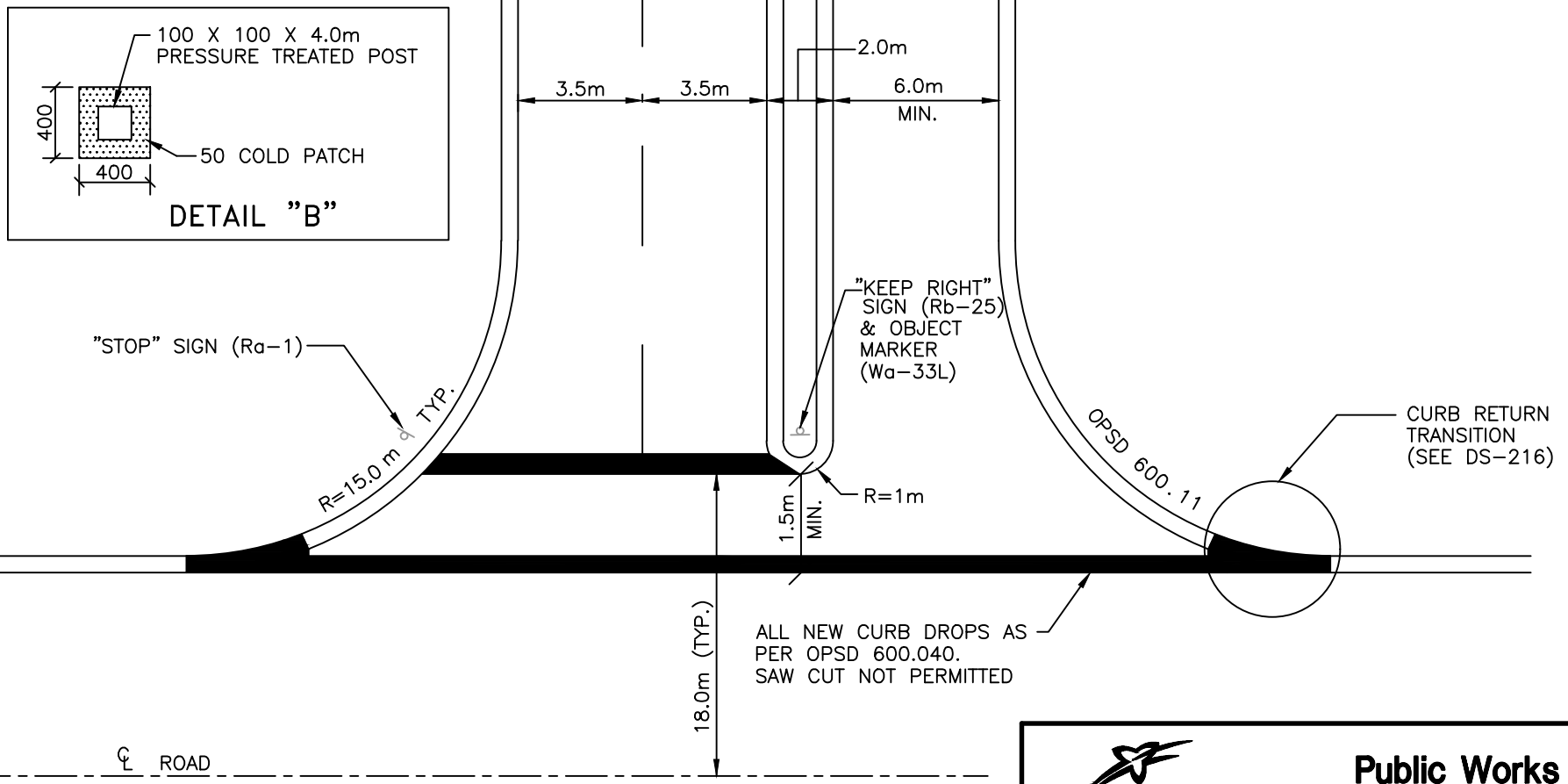
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. CENTRE RAISED MEDIAN ISLAND ON REGIONAL ROAD IS PREFERRED, WHERE FEASIBLE, RATHER THAN TRUMPET ISLAND (SEE DS–206).
5. REFER TO STANDARD DRAWING E–6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
6. HARD SURFACE TO BE PROVIDED WITHIN MEDIAN WHERE BARRIER CURB OR CURB AND GUTTER IS USED.

York Region

Public Works
Transportation

COMMERCIAL– TYPICAL RIGHT TURN IN/ RIGHT TURN OUT –URBAN

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS–207



NOTES

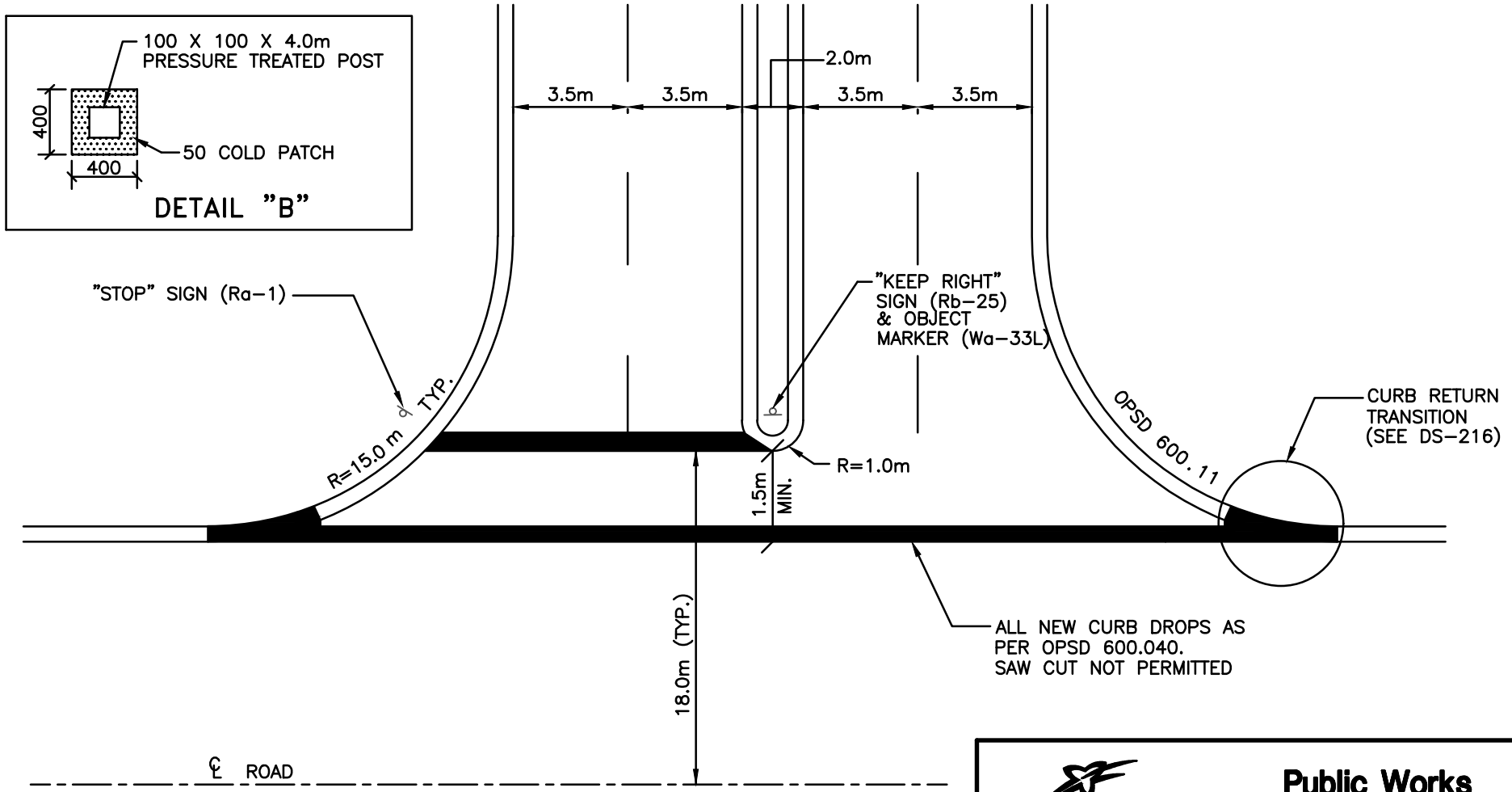
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E-6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. SIDEWALK TO CARRY THROUGH ENTRANCE. MINIMUM OFFSET TO BULLNOSE WILL INCREASE.

York Region

Public Works
Transportation

COMMERCIAL–
TYPICAL DIVIDED ENTRANCE
1 LANE IN/2 LANES OUT
–URBAN

DATE:	MARCH 2023		SCALE N.T.S.
REV.	X	X	DS-208



NOTES

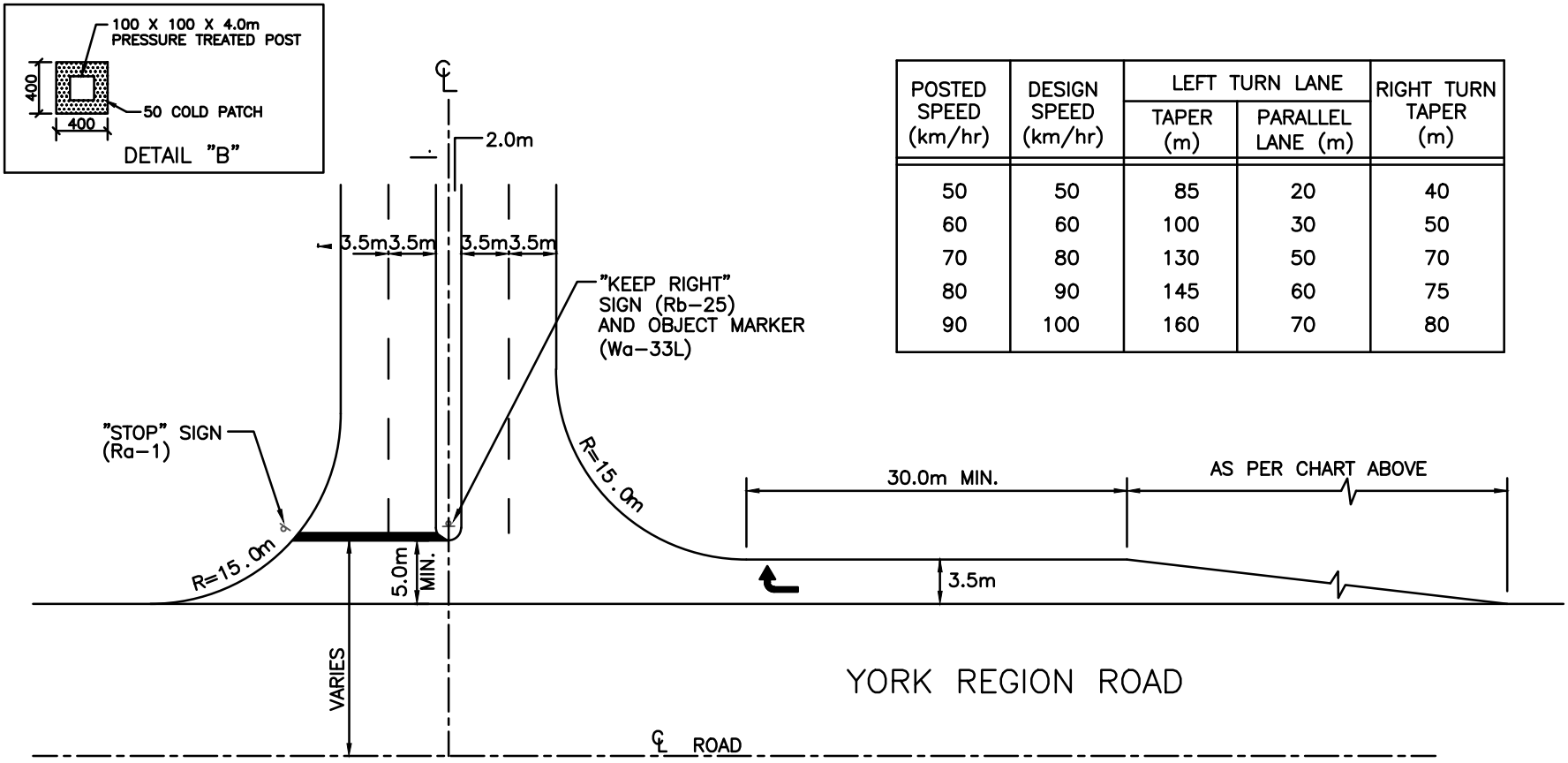
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4X4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E-6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. SIDEWALK TO CARRY THROUGH ENTRANCE. MINIMUM OFFSET TO BULLNOSE WILL INCREASE.

York Region

Public Works
Transportation

COMMERCIAL–
TYPICAL DIVIDED ENTRANCE
2 LANES IN/2 LANES OUT
–URBAN

DATE:	MARCH 2023		SCALE N.T.S.
REV.	X	X	DS-209



POSTED SPEED (km/hr)	DESIGN SPEED (km/hr)	LEFT TURN LANE		RIGHT TURN TAPER (m)
		TAPER (m)	PARALLEL LANE (m)	
50	50	85	20	40
60	60	100	30	50
70	80	130	50	70
80	90	145	60	75
90	100	160	70	80

NOTES

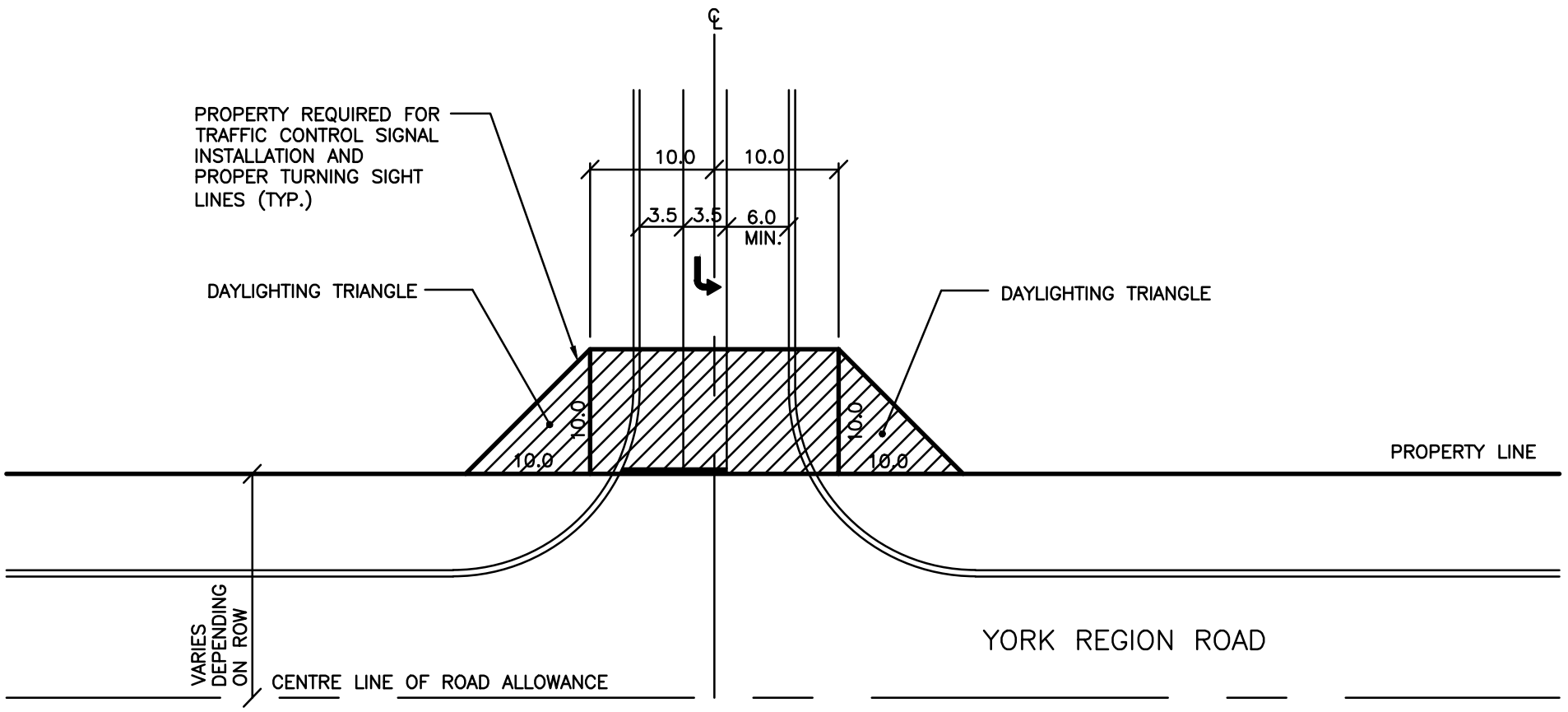
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED.
2. CURB TYPE, CATCH BASINS, ETC. SHALL CONFORM TO ONTARIO PROVINCIAL STANDARDS. (INDICATE O.P.S.D. REFERENCE ON PLANS)
3. SIGNS TO BE MOUNTED ON 4x4 PRESSURE TREATED WOOD POSTS.
4. REFER TO STANDARD DRAWING E-6.03, DETAIL "B" WHEN A CONCRETE SLAB RAISED MEDIAN IS BEING USED.
5. SIDEWALK TO CARRY THROUGH ENTRANCE. MINIMUM OFFSET TO BULLNOSE WILL INCREASE.

York Region

Public Works Transportation

COMMERCIAL– TYPICAL DIVIDED ENTRANCE WITH RIGHT TURN LANE 2 LANES IN/2 LANES OUT –URBAN

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS-210



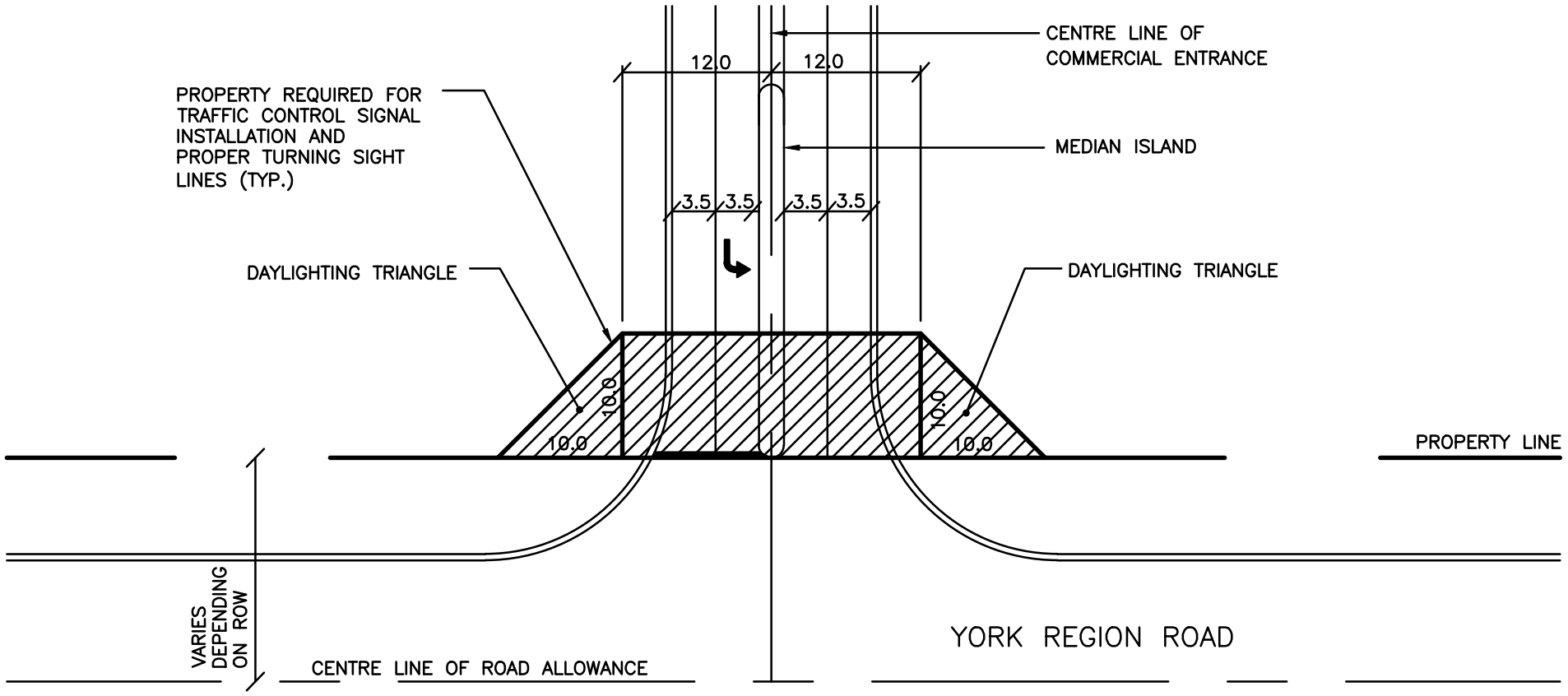
NOTE
ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.

York Region

Public Works
Transportation

PROPERTY REQUIREMENTS FOR TRAFFIC CONTROL SIGNALS AT COMMERCIAL ENTRANCE (1 LANE IN, 2 LANES OUT)

DATE: JANAURY 2023			SCALE N.T.S.
REV.	X	X	DS–211



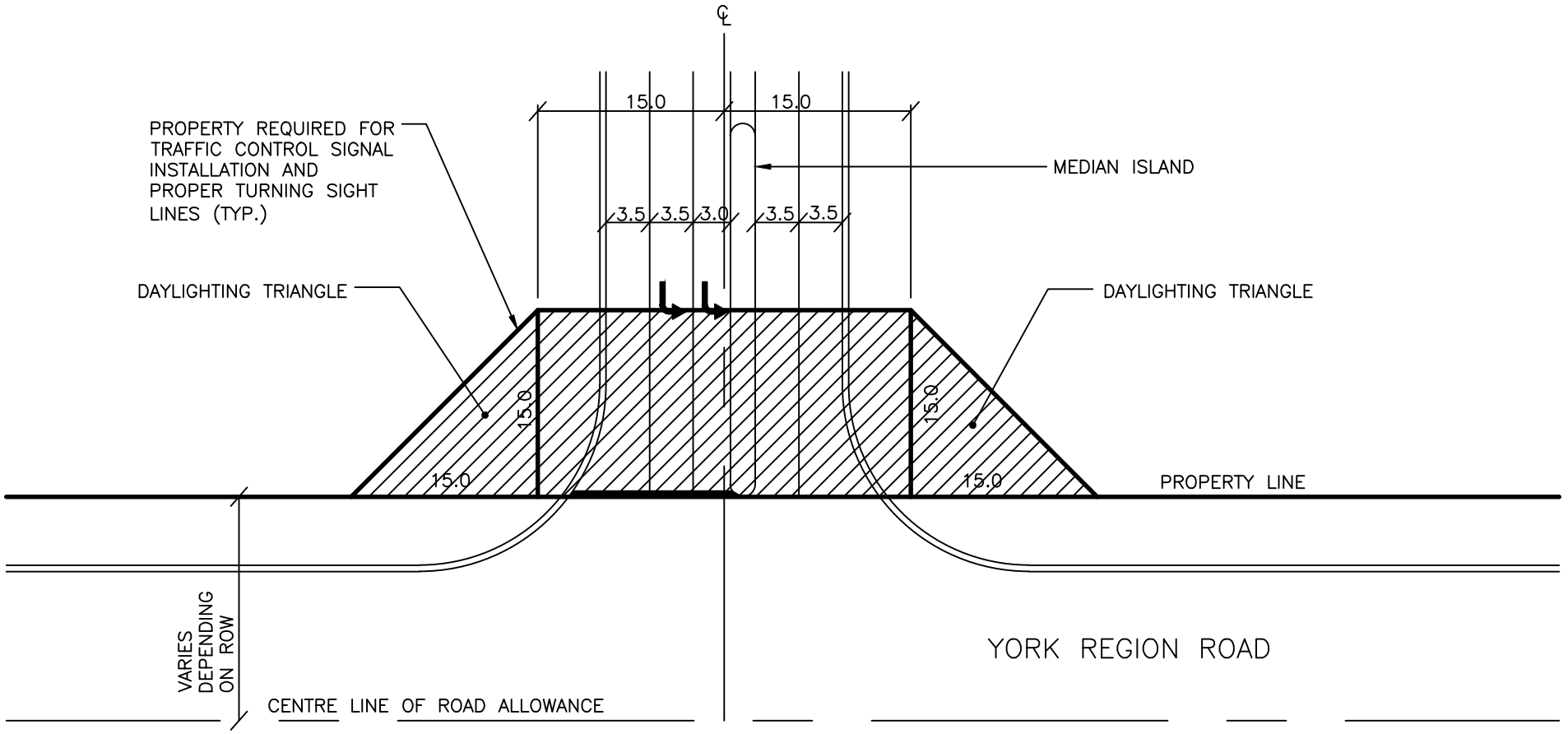
NOTE
ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.

York Region

Public Works
Transportation

PROPERTY REQUIREMENTS FOR TRAFFIC CONTROL SIGNALS AT COMMERCIAL ENTRANCE (4 LANES WITH MEDIAN)

DATE: JANUARY 2023		SCALE N.T.S.
REV.	X	X	DS–212



NOTE
ALL DIMENSIONS ARE IN m UNLESS OTHERWISE NOTED.

York Region

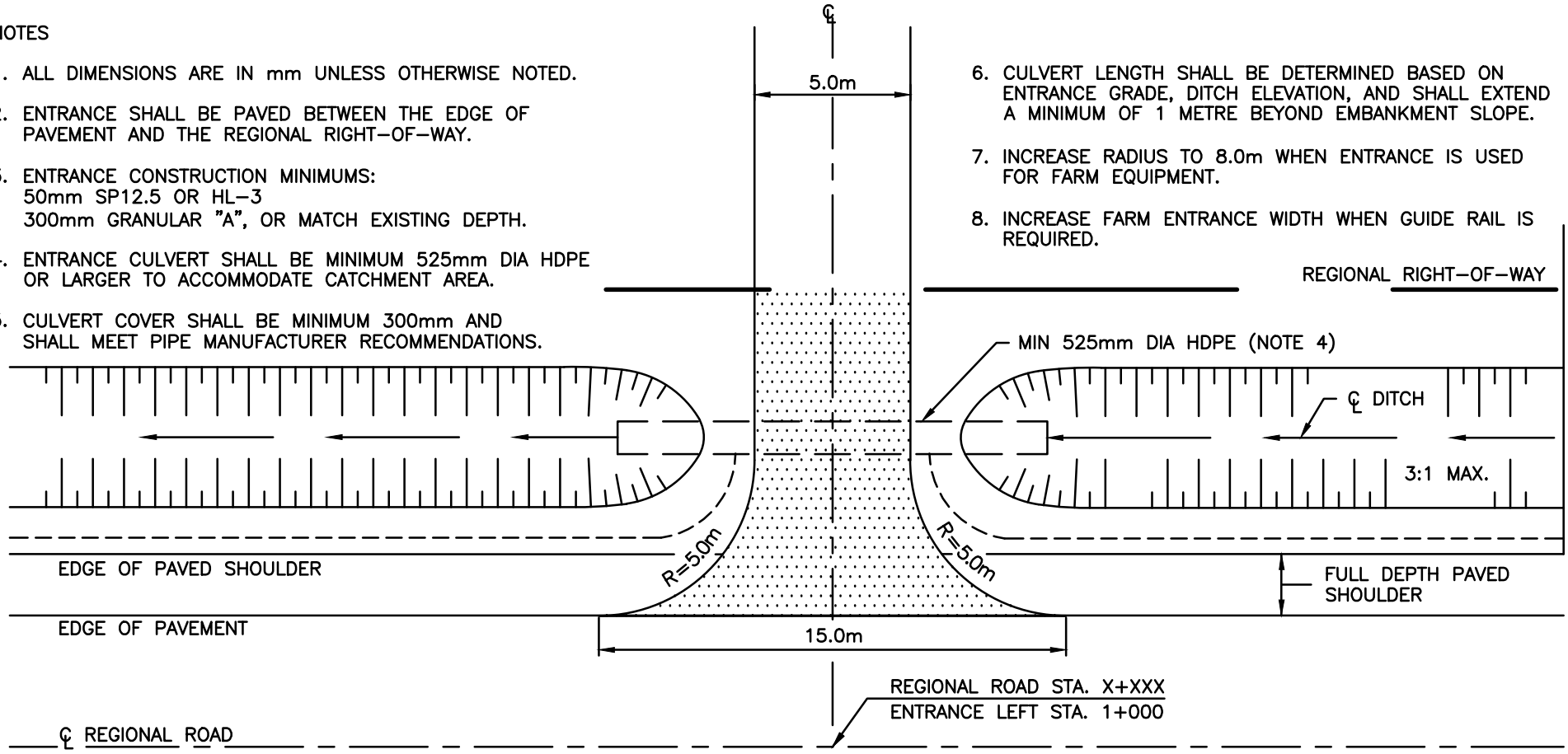
Public Works Transportation

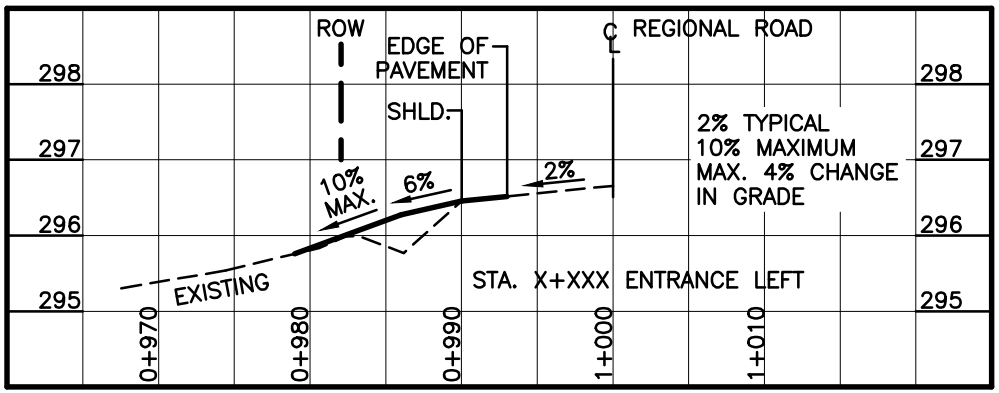
PROPERTY REQUIREMENTS FOR TRAFFIC CONTROL SIGNALS AT COMMERCIAL ENTRANCE (5 LANES WITH MEDIAN)

DATE: JANUARY 2023		SCALE N.T.S.
REV.	X	X	DS–213

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. ENTRANCE SHALL BE PAVED BETWEEN THE EDGE OF PAVEMENT AND THE REGIONAL RIGHT–OF–WAY.
3. ENTRANCE CONSTRUCTION MINIMUMS:
   50mm SP12.5 OR HL–3
   300mm GRANULAR "A", OR MATCH EXISTING DEPTH.
4. ENTRANCE CULVERT SHALL BE MINIMUM 525mm DIA HDPE OR LARGER TO ACCOMMODATE CATCHMENT AREA.
5. CULVERT COVER SHALL BE MINIMUM 300mm AND SHALL MEET PIPE MANUFACTURER RECOMMENDATIONS.
6. CULVERT LENGTH SHALL BE DETERMINED BASED ON ENTRANCE GRADE, DITCH ELEVATION, AND SHALL EXTEND A MINIMUM OF 1 METRE BEYOND EMBANKMENT SLOPE.
7. INCREASE RADIUS TO 8.0m WHEN ENTRANCE IS USED FOR FARM EQUIPMENT.
8. INCREASE FARM ENTRANCE WIDTH WHEN GUIDE RAIL IS REQUIRED.





York Region

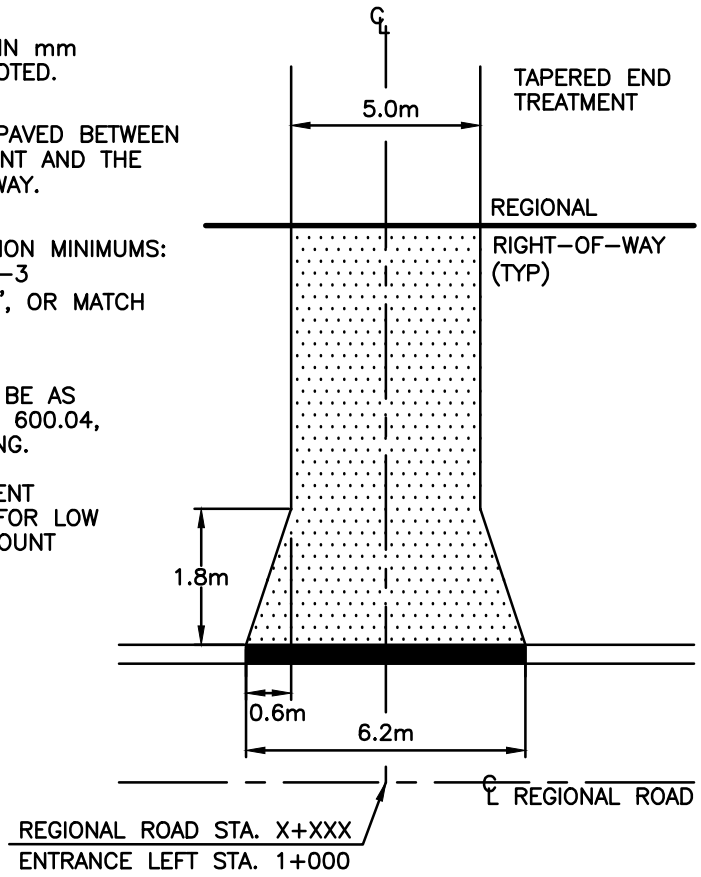
Public Works Transportation

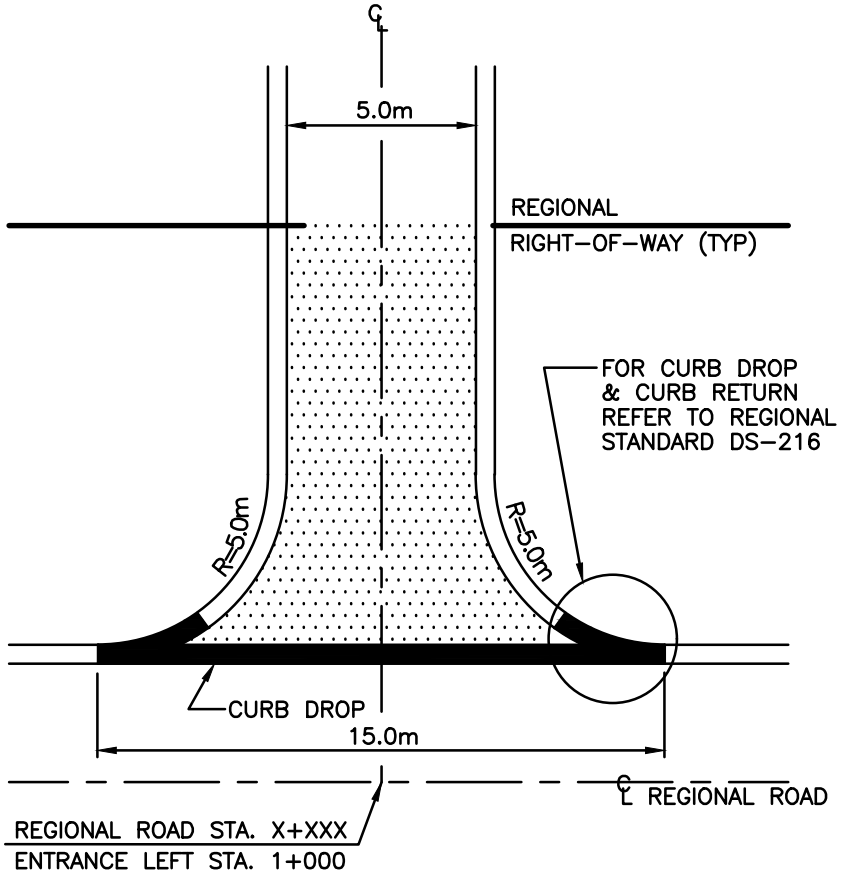
RESIDENTIAL ENTRANCE–RURAL

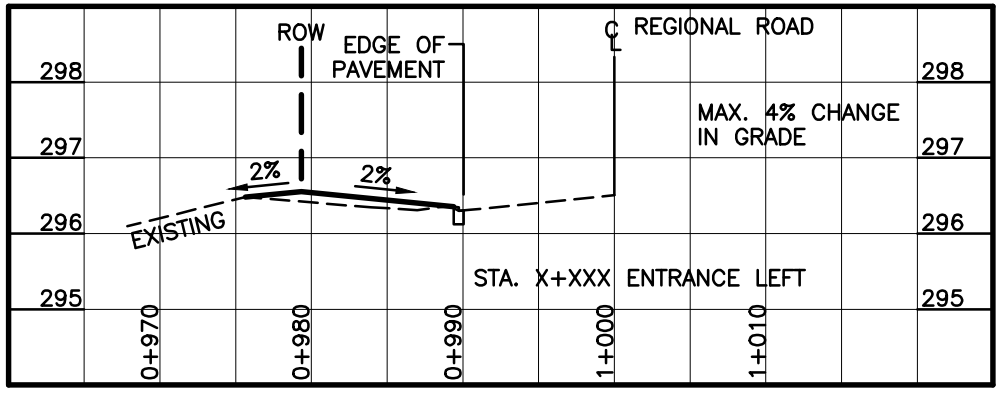
DATE: SEPTEMBER 2026			SCALE N.T.S.
REV.	X	X	DS–214

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. ENTRANCE SHALL BE PAVED BETWEEN THE EDGE OF PAVEMENT AND THE REGIONAL RIGHT–OF–WAY.
3. ENTRANCE CONSTRUCTION MINIMUMS:
   50mm SP12.5 OR HL–3
   300mm GRANULAR "A", OR MATCH EXISTING DEPTH.
4. CONCRETE CURB MAY BE AS PER OPSD 600.11 OR 600.04, DEPENDING ON EXISTING.
5. TAPERED END TREATMENT SHALL BE RESERVED FOR LOW SPEED/HIGH SPEED COUNT ROADS.



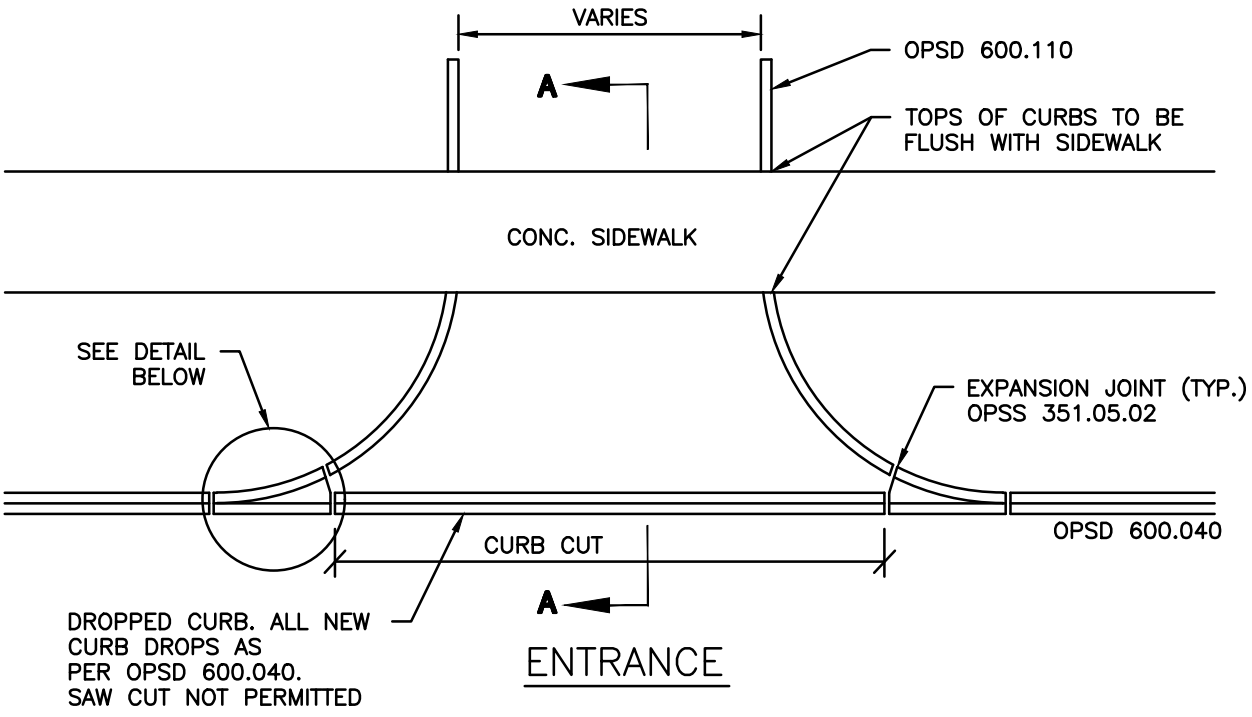




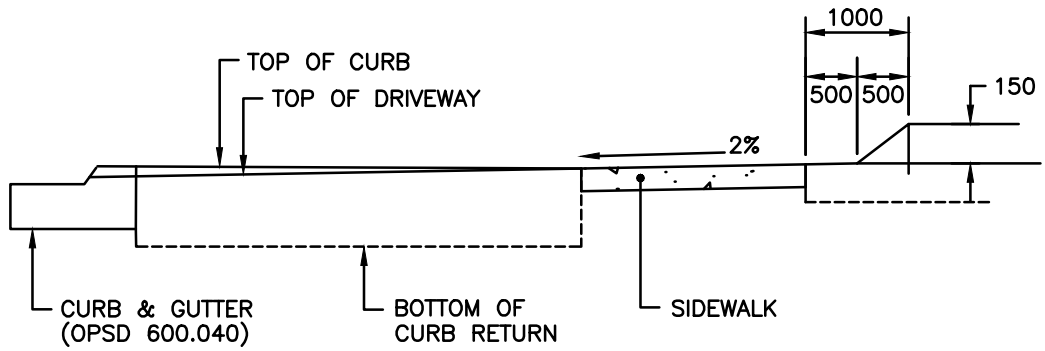
York Region — Public Works Transportation

SINGLE FAMILY RESIDENTIAL ENTRANCE –URBAN

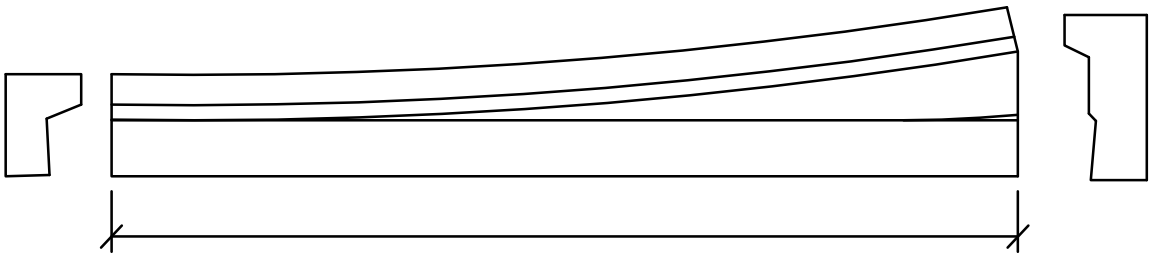
DATE: JANUARY 2023		SCALE N.T.S.
REV.	X X	DS–215



ENTRANCE



SECTION A–A



DETAIL

NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. EXISTING CURB AND GUTTER TO BE REMOVED AND REPLACED IN ONE POUR.
3. REFER TO DS–203 TO DS–209 FOR URBANIZED COMMERCIAL ENTRANCE DETAILS AND PAVEMENT STRUCTURE MAKEUP.

York Region

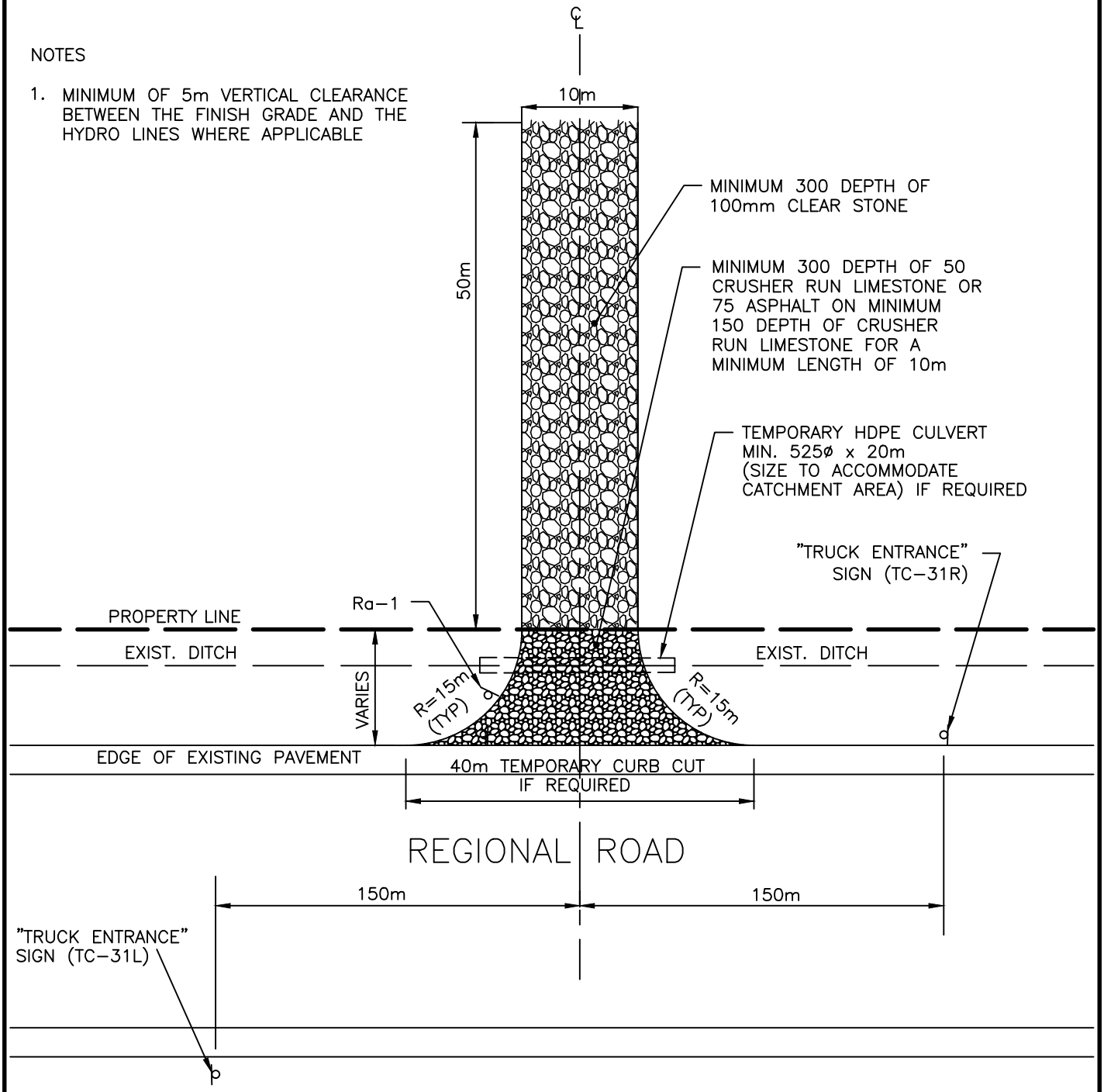
Public Works Transportation

COMMERCIAL ENTRANCE
CURB RETURN

DATE: JANUARY 2023		SCALE N.T.S.
REV.	X	X	DS–216

NOTES

1. MINIMUM OF 5m VERTICAL CLEARANCE BETWEEN THE FINISH GRADE AND THE HYDRO LINES WHERE APPLICABLE



NOTES

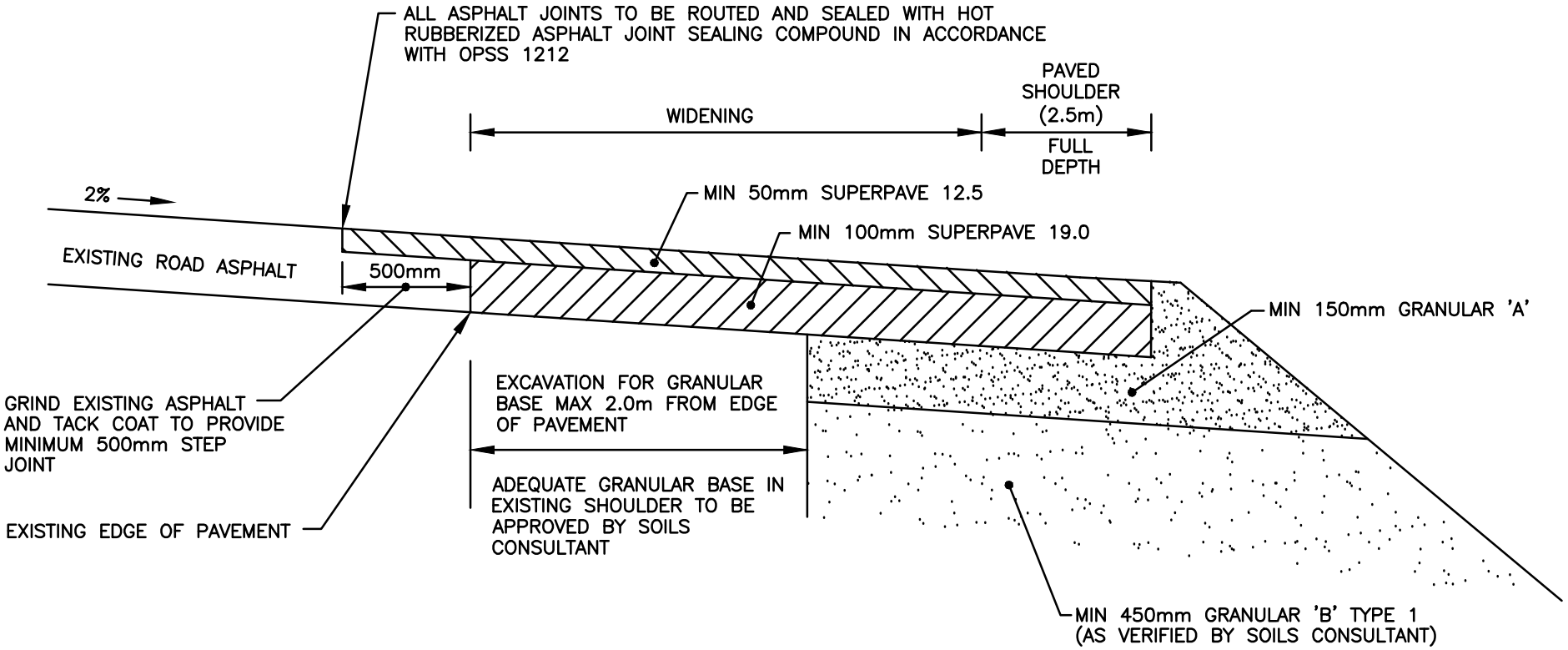
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. TEMPORARY "TRUCK ENTRANCE" SIGNS(TC-31) SHALL BE INSTALLED ON THE SHOULDER, 150M IN ADVANCE OF THE ACCESS (NOTE: SEE DETAILS ON USE OF THESE SIGNS IN THE ONTARIO TRAFFIC MANUAL, BOOK 7.) THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF OBTAINING, ERECTING AND MAINTAINING THESE SIGNS.
3. TEMPORARY CONSTRUCTION ACCESS SHALL BE REMOVED FROM THE REGIONAL ROAD ALLOWANCE AND ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

York Region

Public Works Transportation

MUD MAT FOR TEMPORARY CONSTRUCTION ACCESS

DATE: JANUARY 2023			SCALE N.T.S.
REV.	X	X	DS-217



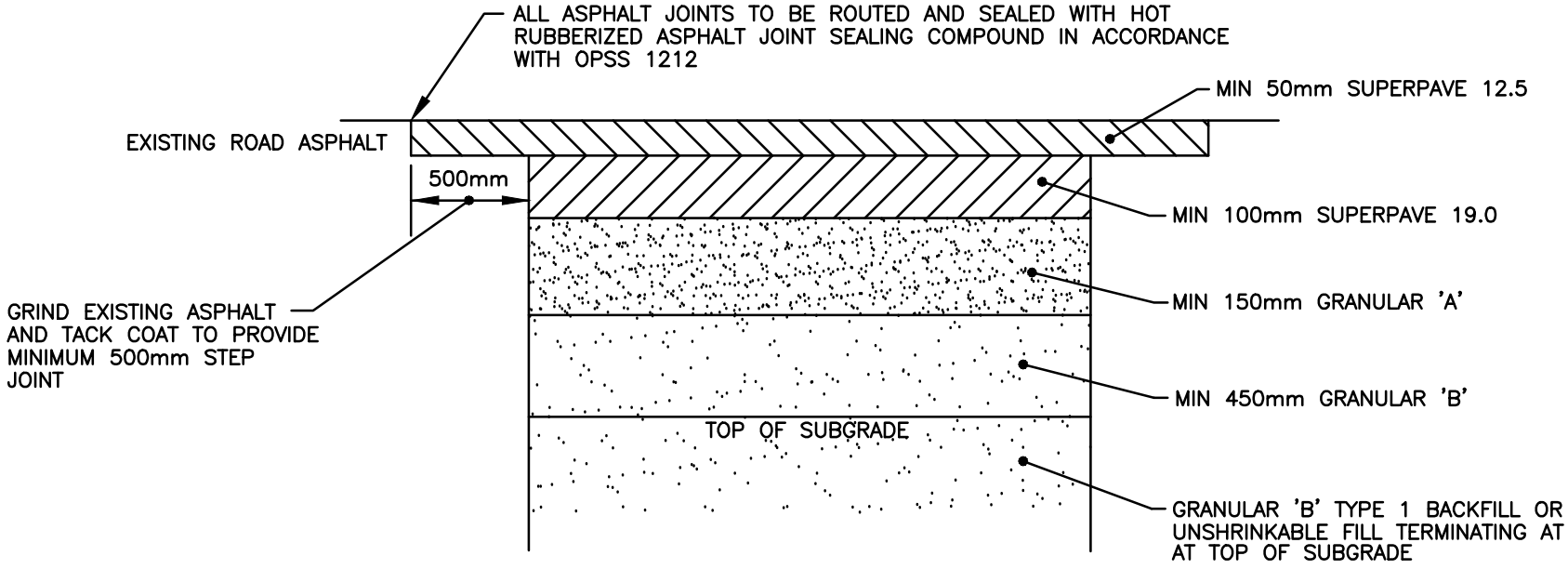
NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED
2. A STEP JOINT IS REQUIRED AT ALL PAVED ENTRANCES MATCHING INTO A REGIONAL ROAD
3. RURAL ROADS MAY HAVE PARTIALLY PAVED SHOULDERS AND THEY ARE TO BE RESTORED WITH FULL ASPHALT DEPTH

York Region

Public Works Transportation

ROAD WIDENING DETAIL

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS–219



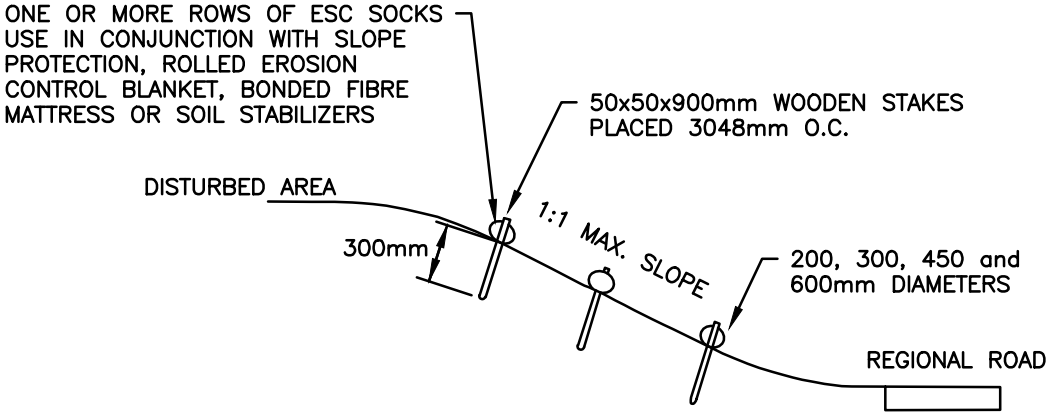
NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. WHERE EXISTING DEPTHS ARE GREATER THAN MINIMUMS SPECIFIED, TRENCH RESTORATION SHALL MATCH EXISTING REGIONAL ROAD STRUCTURE.
3. A STEP JOINT IS REQUIRED AT ALL PAVED ENTRANCES MATCHING INTO A REGIONAL ROAD.
4. SHOULDERS SHALL HAVE FULL DEPTH PAVEMENT. IF RURAL ROAD HAS PARTIALLY PAVED SHOULDERS, THEY ARE TO BE RESTORED WITH 50mm OF SUPERPAVE 12.5.

York Region

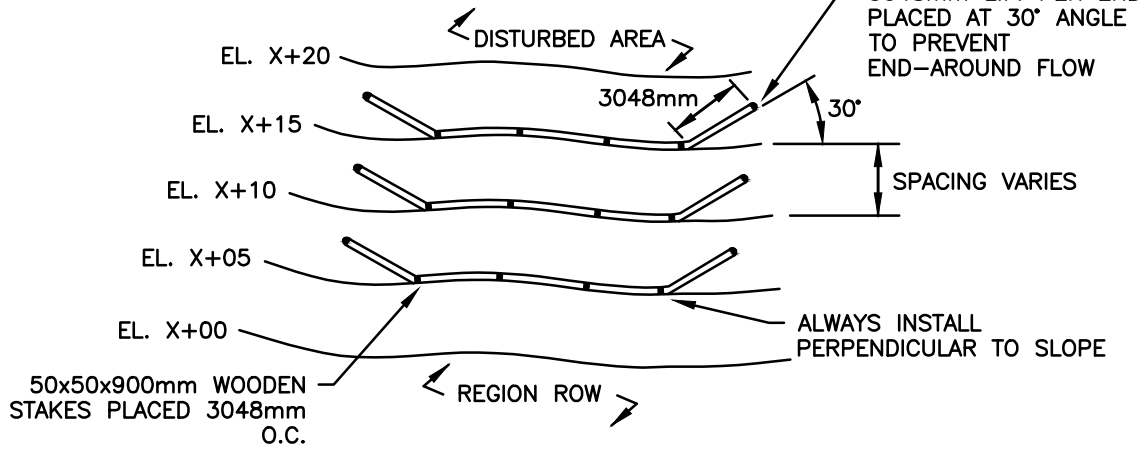
Public Works Transportation

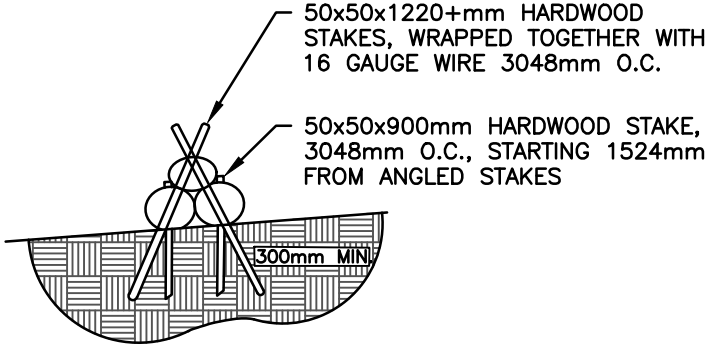
TRENCH RESTORATION DETAIL

DATE: MARCH 2023			SCALE N.T.S.
REV.	X	X	DS–220

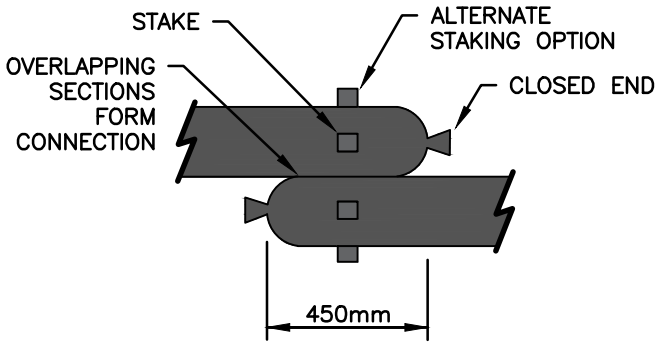


SECTION NTS





ALTERNATE STACKING DETAIL



COMPOST SOCK CONNECTION/ATTACHMENT DETAIL

NOTES

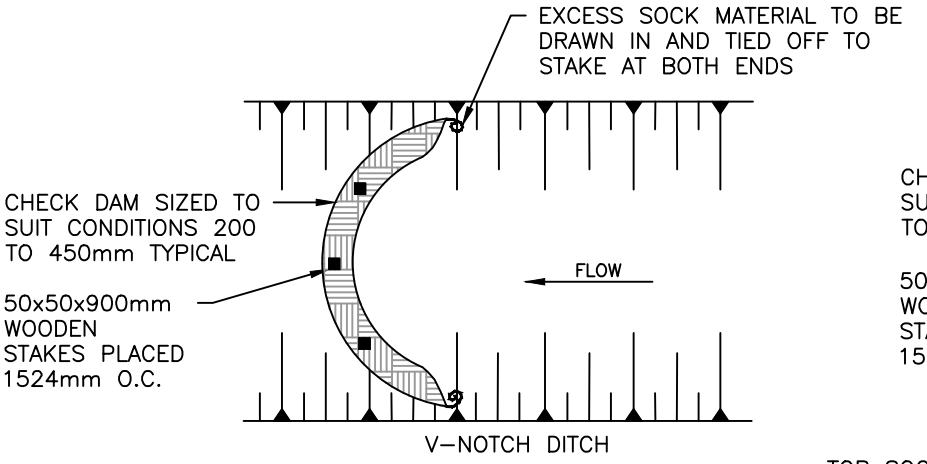
1. ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED.
2. REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF THE SOCK WHEN ACCUMULATION HAS REACHED ½ OF EFFECTIVE HEIGHT OF SOCK.
3. LOOSE FILTER MEDIA MAY BE BACKFILLED ON THE UPSLOPE SIDE OF THE SOCK TO ENHANCE PERFORMANCE.

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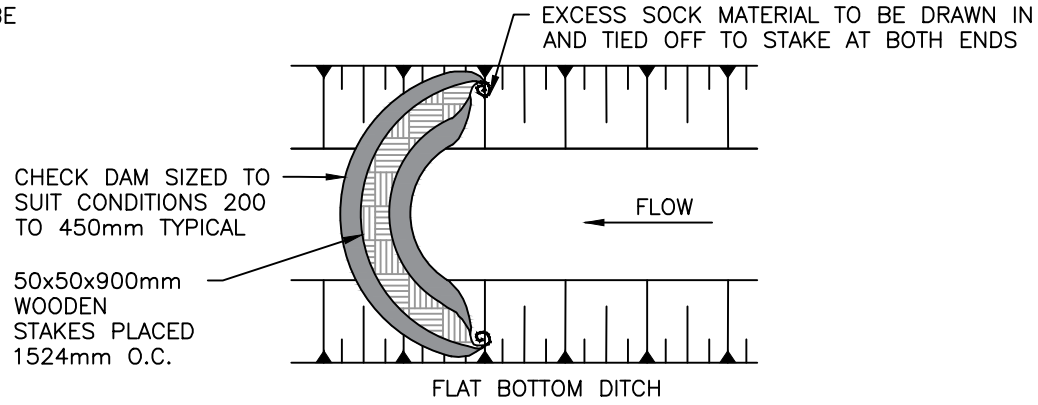
Public Works Transportation

SILTATION CONTROL ALONG REGIONAL PROPERTY LINES

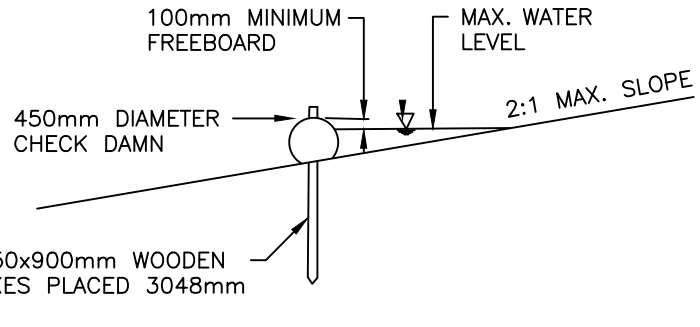
DATE: JANUARY 2023		SCALE N.T.S.
REV.	X X	DS–221



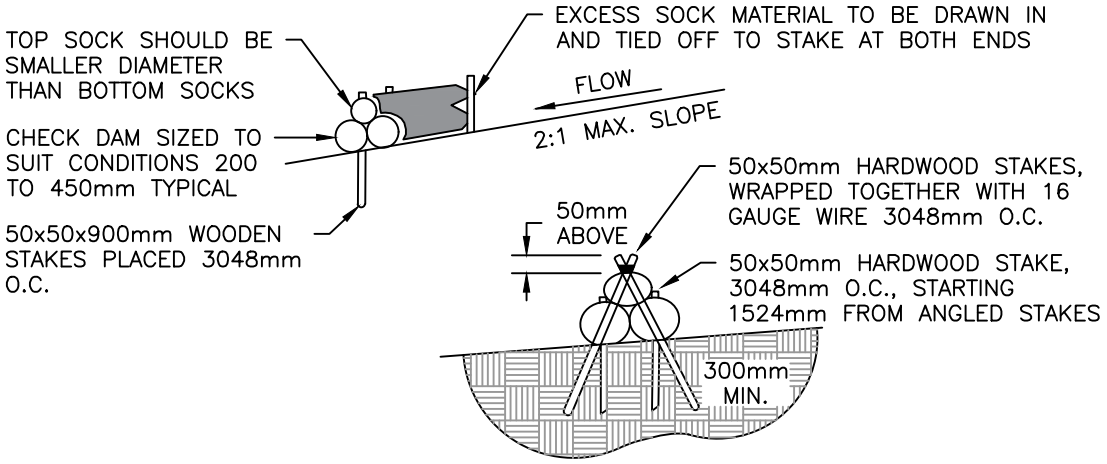
V–NOTCH DITCH



FLAT BOTTOM DITCH



SINGLE INSTALLATION SECTION
NTS



PYRAMID INSTALLATION SECTION
NTS

NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
2. ALL MATERIAL TO MEET SPECIFICATIONS.
3. CHECK DAMS SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
4. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS BEEN REACHED ½ THE HEIGHT OF THE CHECK DAMN.
5. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
6. CONTRACTOR IS REQUIRED TO BE AN INSTALLER CERTIFIED BY THE MANUFACTURER OF THE PRODUCT.

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Public Works Transportation

CHECK DAMS ON SWALES CONVEYING FLOWS TOWARDS REGIONAL PROPERTY LINES

DATE: JANUARY 2023			SCALE N.T.S.
REV.	X	X	DS–222