

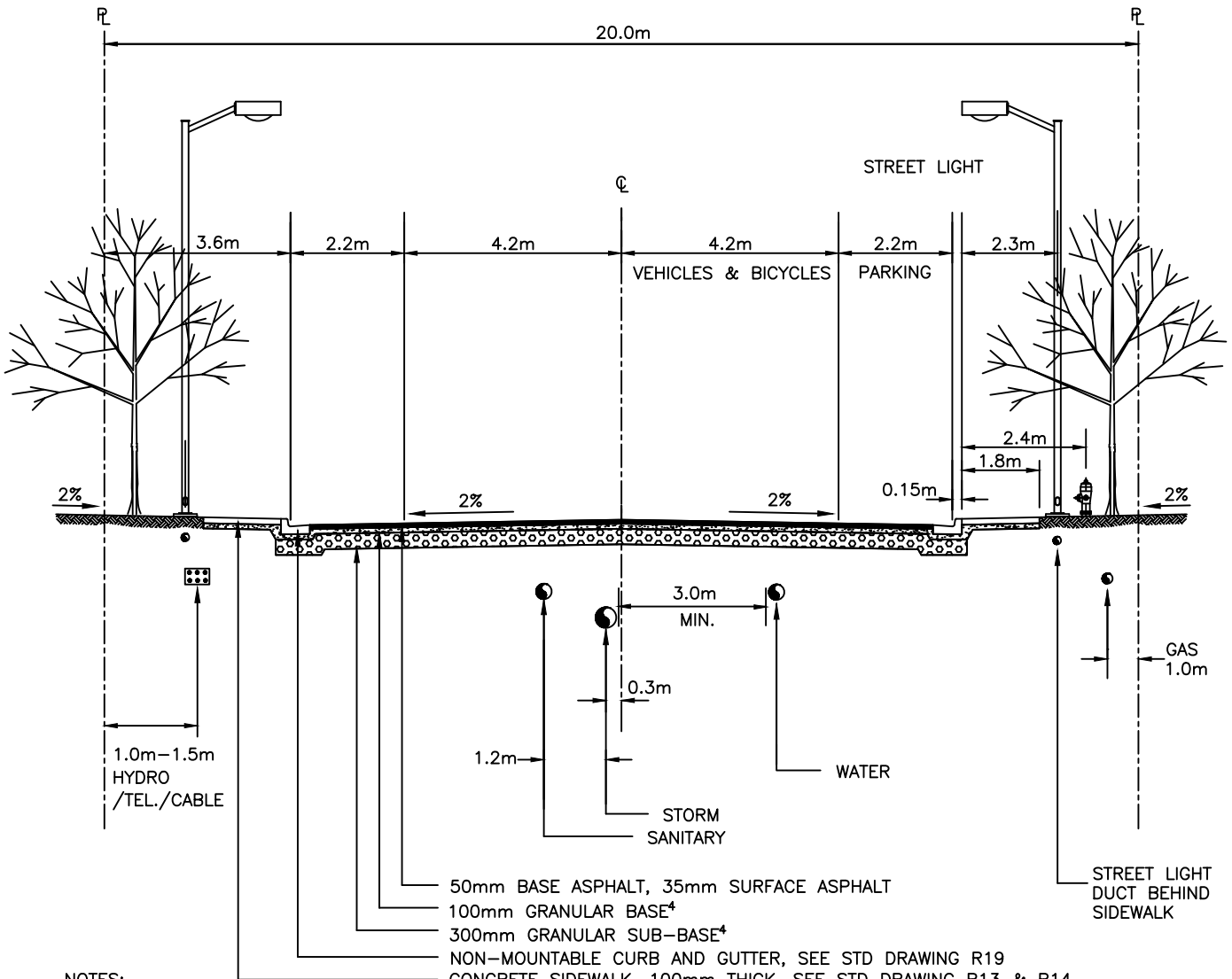
NOTES:

1. DESIGN SPEED: 50 KM/H
3. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
4. SERVICE BOXES, JUNCTION BOXES AND OTHER UTILITY BOXES MUST BE LOCATED BEHIND THE SIDEWALK.
5. BOULEVARDS MUST BE FINISHED WITH SOD OR SEED ON 150mm TOPSOIL. (REFER TO SECTION 9 LANDSCAPING)
6. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.

City of
Parksville

STANDARD ROAD CROSS SECTION
URBAN LOCAL ROADWAY
18.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	G.G.
Date:	NOV 2017
Dwg. No.	RC1



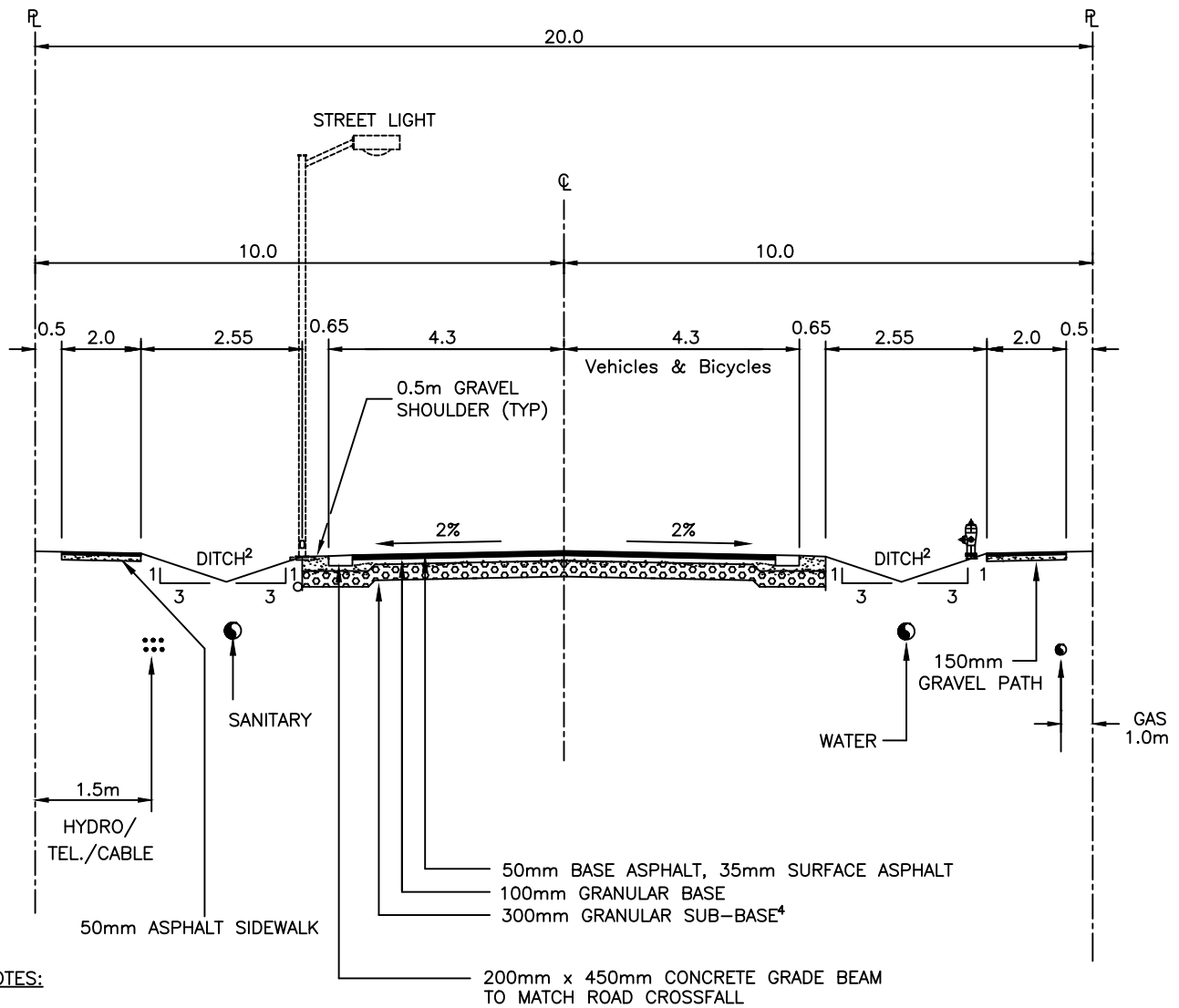
NOTES:

1. DESIGN SPEED: 50 KM/H
2. DESIGN OF COLLECTOR ROADS WITHIN THE DOWNTOWN CORE TO BE CONFIRMED WITH THE MUNICIPAL ENGINEER.
3. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
4. SERVICE BOXES, JUNCTION BOXES AND OTHER UTILITY BOXES MUST BE LOCATED BEHIND THE SIDEWALK.
5. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
6. BOULEVARDS MUST BE FINISHED WITH SOD OR SEED ON 150mm TOPSOIL. (REFER TO SECTION 9 LANDSCAPING)
7. BICYCLE PAVEMENT MARKINGS & SIGNAGE MAY BE REQUIRED WHERE A DRIVING LANE IS INTENDED TO BE SHARED WITH A BICYCLE.
8. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.
9. FOR PARKING, SIGNAGE AND PAINT MARKINGS ARE REQUIRED TO INDICATE PARKING SPACES AND SETBACKS PER CITY TRAFFIC BYLAW

City of
Parksville

STANDARD ROAD CROSS SECTION
URBAN COLLECTOR ROADWAY
20.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	G.G.
Date:	MAY 2016
Dwg. No.	RC2



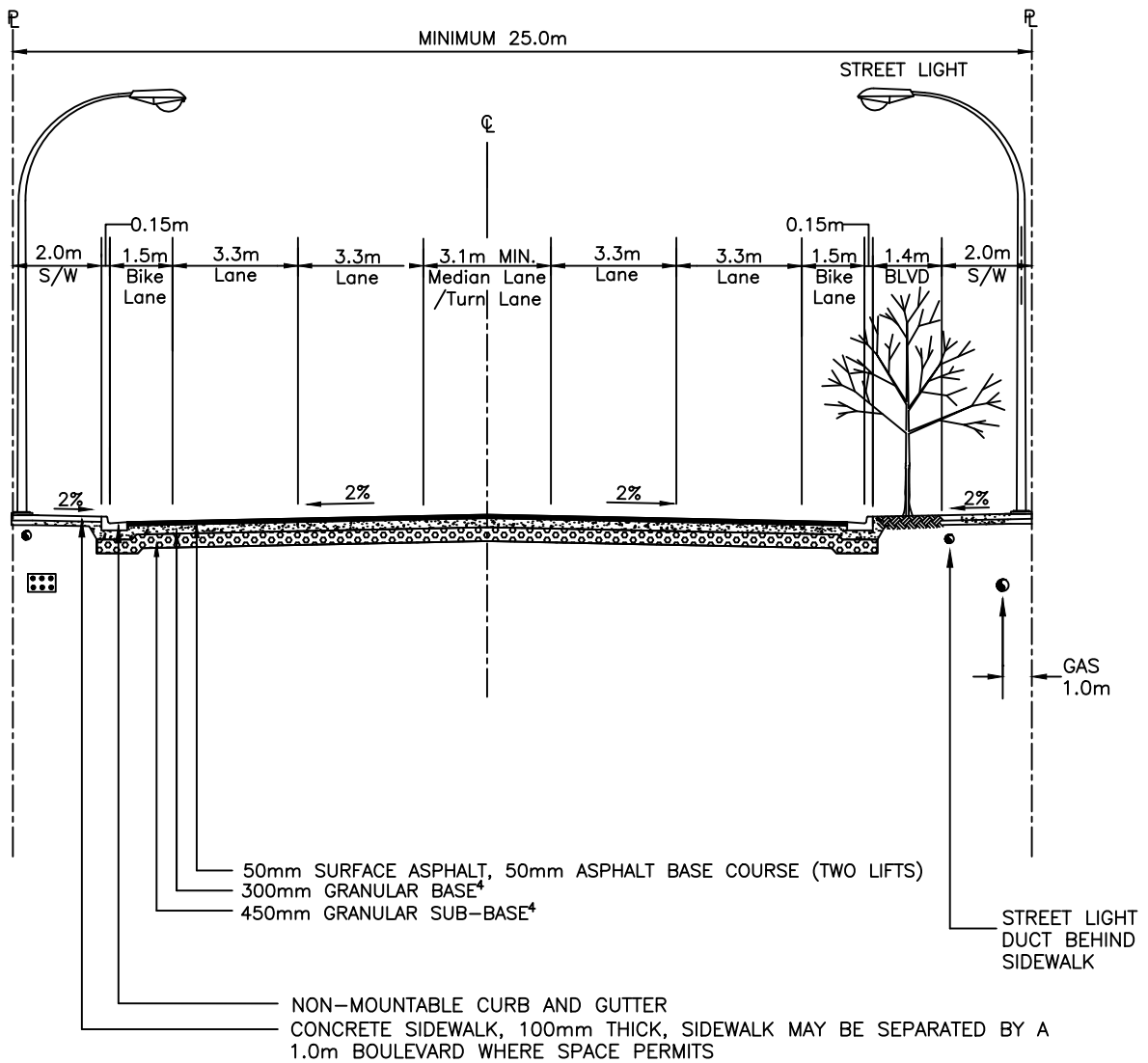
NOTES:

1. DESIGN SPEED: 50 KM/H
2. DRAINAGE DITCHES SHALL BE DESIGNED TO CONVEY/CONTAIN THE 100 YEAR RETURN FREQUENCY STORM. ALL FLOWS TO BE DIRECTED TO ROCK PITS WHERE REQUIRED. DITCH SURFACE TREATMENT TO BE WELL DRAINING GRAVEL OR APPROVED EQUAL.
3. FINAL LOCATIONS AND SURFACE TREATMENT OF SIDEWALK AND PATH MAY VARY, SUBJECT TO APPROVAL BY THE MUNICIPAL ENGINEER.
4. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
5. SERVICE BOXES, JUNCTION BOXES AND OTHER UTILITY BOXES MUST BE LOCATED BEHIND THE SIDEWALK.
6. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
7. BICYCLE PAVEMENT MARKINGS & SIGNAGE MAY BE REQUIRED WHERE A DRIVING LANE IS INTENDED TO BE SHARED WITH A BICYCLE.
8. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.

City of
Parksville

STANDARD ROAD CROSS SECTION
RESORT/RURAL COLLECTOR ROADWAY
20.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	GG
Date:	NOV 2017
Dwg. No.	RC3



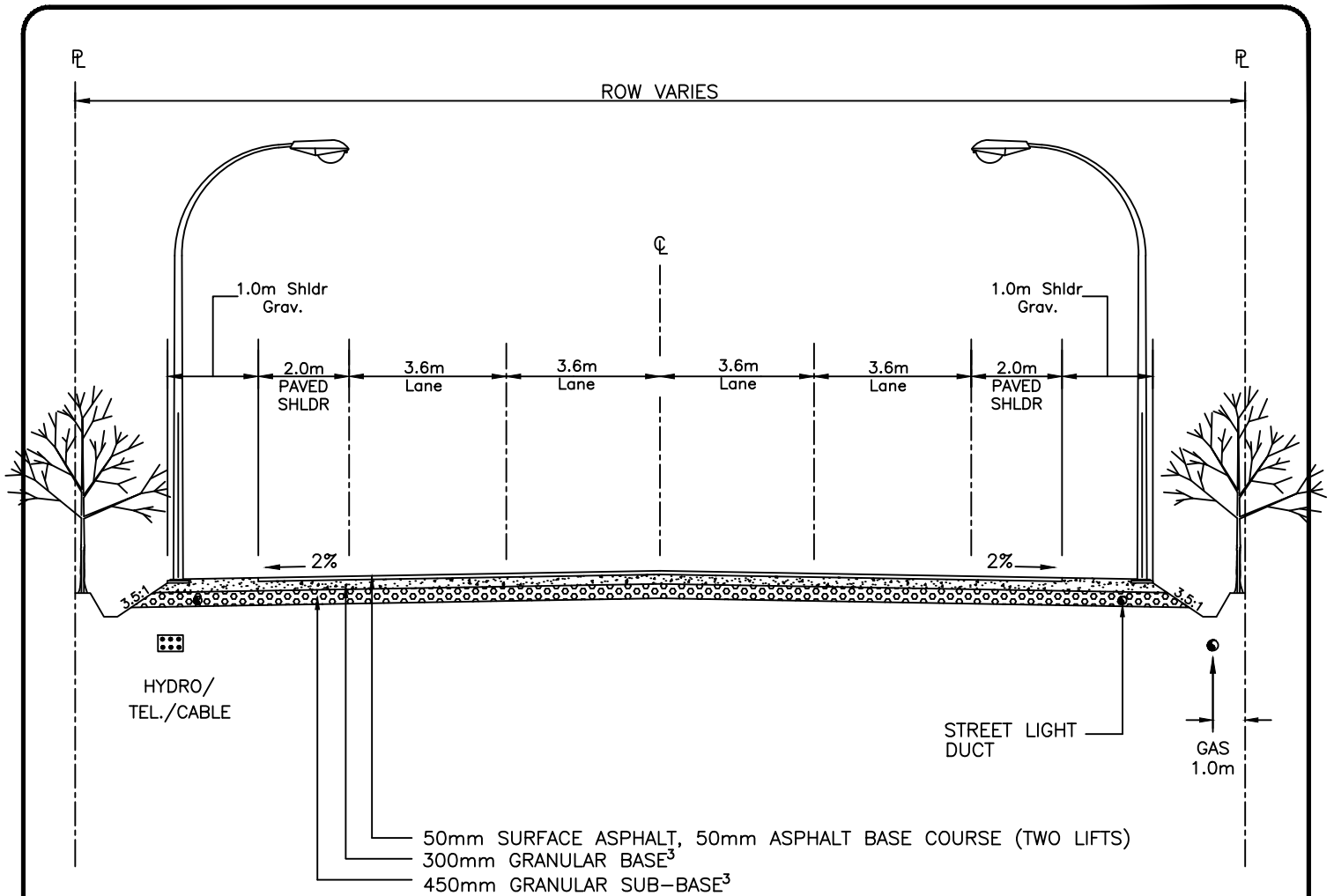
NOTES:

1. DESIGN SPEED: 50 KM/H
2. DESIGN OF HWY 19A THROUGH THE DOWNTOWN CORE TO BE CONFIRMED BY THE MUNICIPAL ENGINEER.
3. LOCATION OF STORM, SANITARY, AND WATER MAINS TO BE CONFIRMED BY THE MUNICIPAL ENGINEER.
4. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
5. SERVICE BOXES, JUNCTION BOXES AND TRANSFORMERS MUST BE LOCATED BEHIND SIDEWALK.
6. CENTRE TURN LANE DETAILS TO BE BASED ON TECHNICAL ASSESSMENT (E.G. TRAFFIC, ACCESS) AND CONFIRMED BY THE MUNICIPAL ENGINEER. (MINIMUM 3.1m FOR LEFT TURN ONLY AND MINIMUM 3.5m FOR TWO WAY LEFT TURN LANE).
7. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
3. BOULEVARDS MUST BE FINISHED WITH SOD OR SEED ON 150mm TOPSOIL (REF. SECTION 9)
9. BICYCLE PAVEMENT MARKINGS & SIGNAGE MAY BE REQUIRED WHERE A DRIVING LANE IS INTENDED TO BE SHARED WITH A BICYCLE.
10. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.
11. FOR PARKING, SIGNAGE AND PAINT MARKINGS ARE REQUIRED TO INDICATE PARKING SPACES AND SET BACKS PER CITY TRAFFIC BYLAW

City of
Parksville

STANDARD ROAD CROSS SECTION
 URBAN ARTERIAL ROADWAY
 25.0m (MIN) ROAD DEDICATION

Scale	N.T.S.
Drawn	G.G./B.B.S.
Date:	JAN 2017
Dwg. No.	RC4



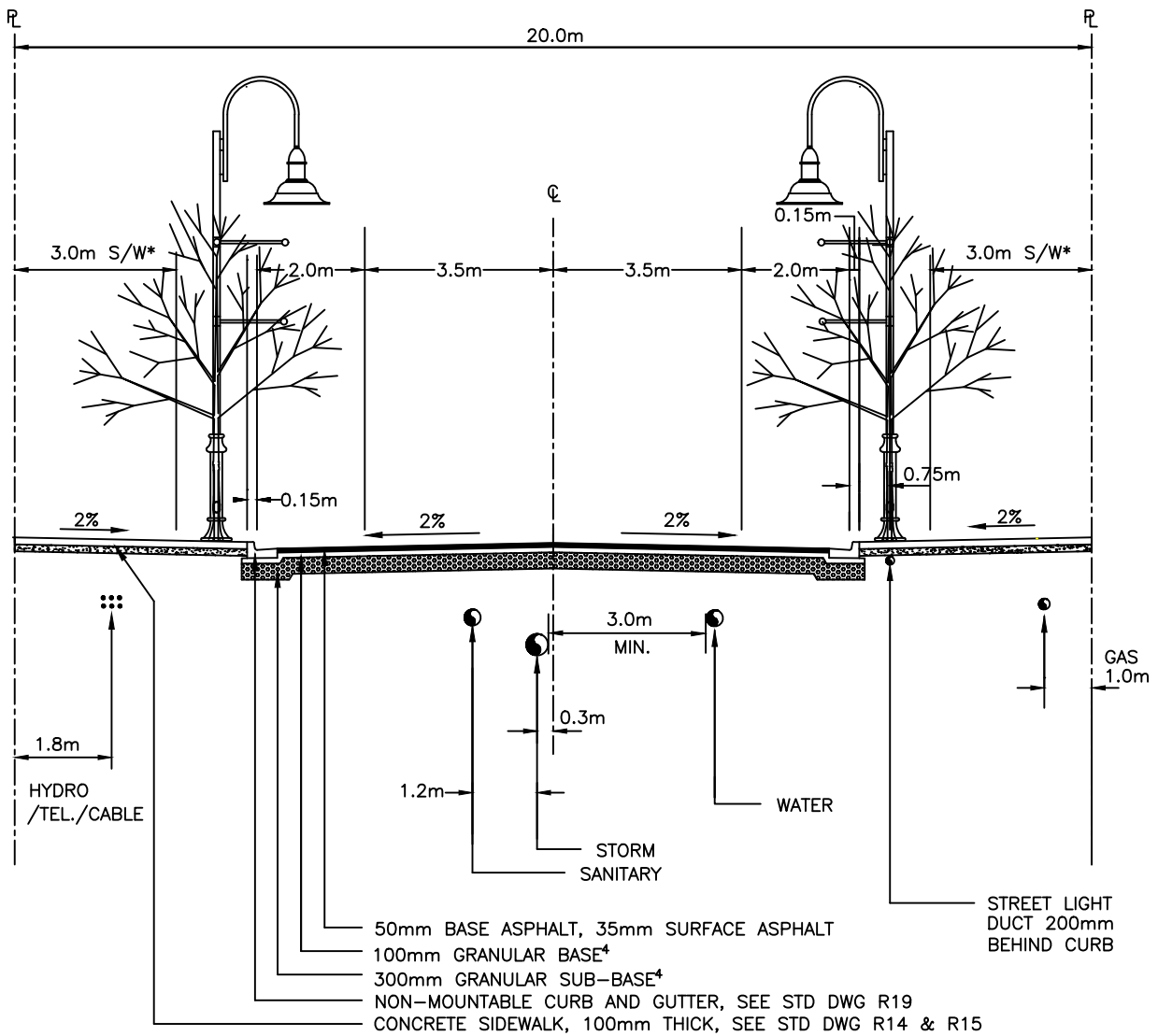
NOTES:

1. DESIGN SPEED: 60 KM/H
2. LOCATION OF STORM, SANITARY, AND WATER MAINS (IF REQUIRED) TO BE CONFIRMED BY THE MUNICIPAL ENGINEER.
3. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
4. SERVICE BOXES, JUNCTION BOXES AND TRANSFORMERS MUST BE LOCATED OUTSIDE OF PEDESTRIAN/CYCLIST CORRIDOR.
5. CENTRE TURN/MEDIAN LANE DETAILS TO BE CONFIRMED BY THE MUNICIPAL ENGINEER.
6. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
7. ROADSIDE DITCHES ARE TO BE FINISHED IN ACCORDANCE WITH CURRENT MOTI STANDARD PRACTICE AND HYDRO-SEEDED WITH AN APPROVED MOTI ROADSIDE SEED MIXTURE.
8. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.
9. FOR PARKING, SIGNAGE AND PAINT MARKINGS ARE REQUIRED TO INDICATE PARKING SPACES AND SET BACKS PER CITY TRAFFIC BYLAW.

City of
Parksville

STANDARD ROAD CROSS SECTION
 RURAL ARTERIAL ROADWAY
 25.0m (MIN) ROAD DEDICATION

Scale	N.T.S.
Drawn	BBS/JTD
Date:	NOV 2017
Dwg. No.	RC5



*PROVIDE A MINIMUM 1.8m PEDESTRIAN CORRIDOR CLEAR FROM OBSTRUCTIONS (E.G. LIGHTS, TREES, HYDRANTS, SERVICE BOXES, ETC).

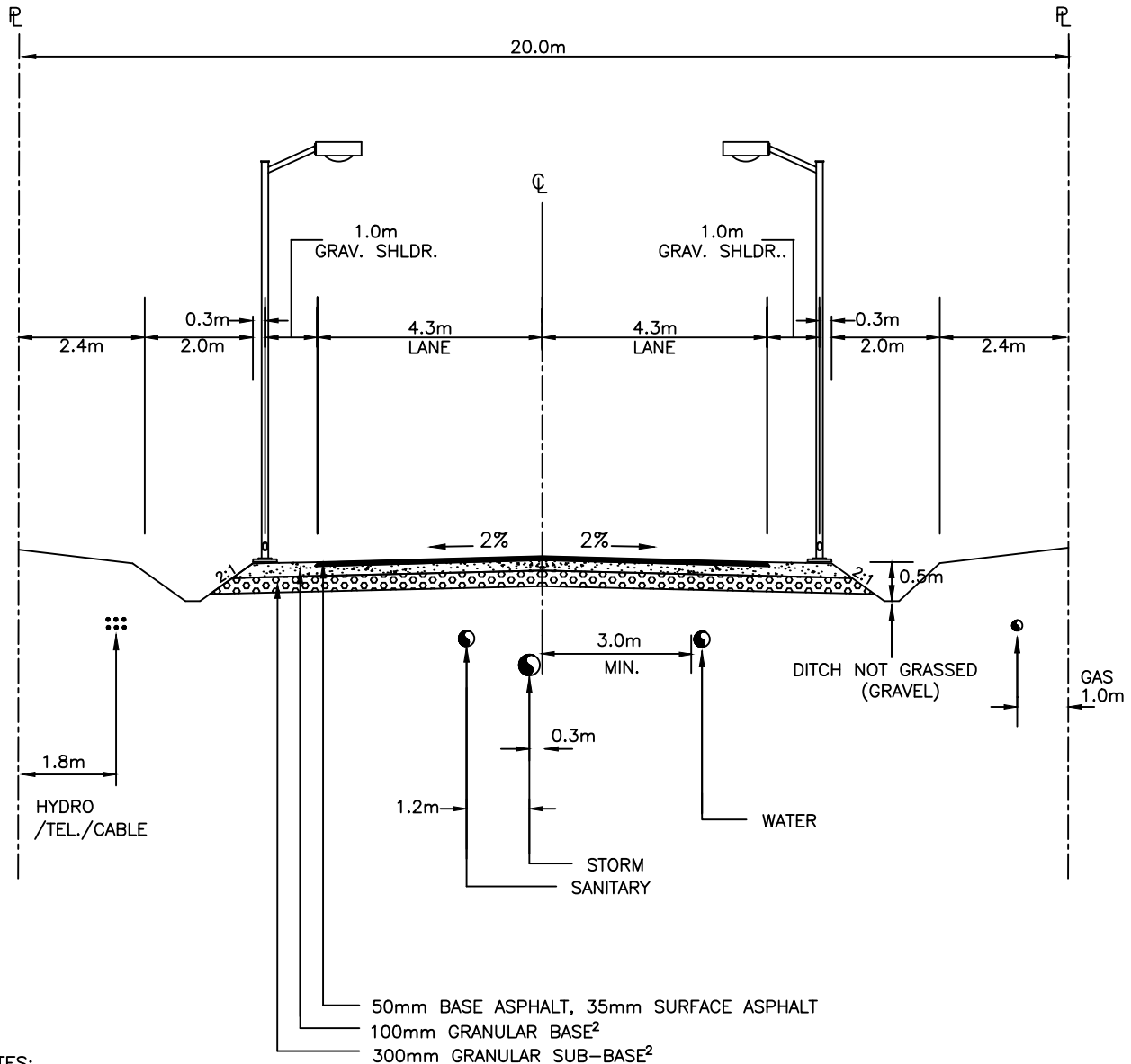
NOTES:

1. DESIGN SPEED: 50 KM/H
2. SIDEWALK PATTERN TO BE DETERMINED BY STANDARD DRAWING R15 AND CONFIRMED WITH THE MUNICIPAL ENGINEER
4. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
5. SERVICE BOXES, JUNCTION BOXES AND OTHER UTILITY BOXES MUST NOT BE LOCATED WITHIN THE PEDESTRIAN CORRIDOR OF THE SIDEWALK.
6. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
7. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.
8. BOULEVARDS MUST BE FINISHED WITH SOD OR SEED ON 150mm OF TOPSOIL AND IRRIGATED
9. FOR PARKING, SIGNAGE AND PAINT MARKINGS ARE REQUIRED TO INDICATE PARKING SPACES AND SETBACKS PER CITY TRAFFIC BYLAW.

City of
Parksville

STANDARD ROAD CROSS SECTION
DOWNTOWN ROADWAY
20.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	B.B.S./G.G.
Date:	JAN 2017
Dwg. No.	RC6



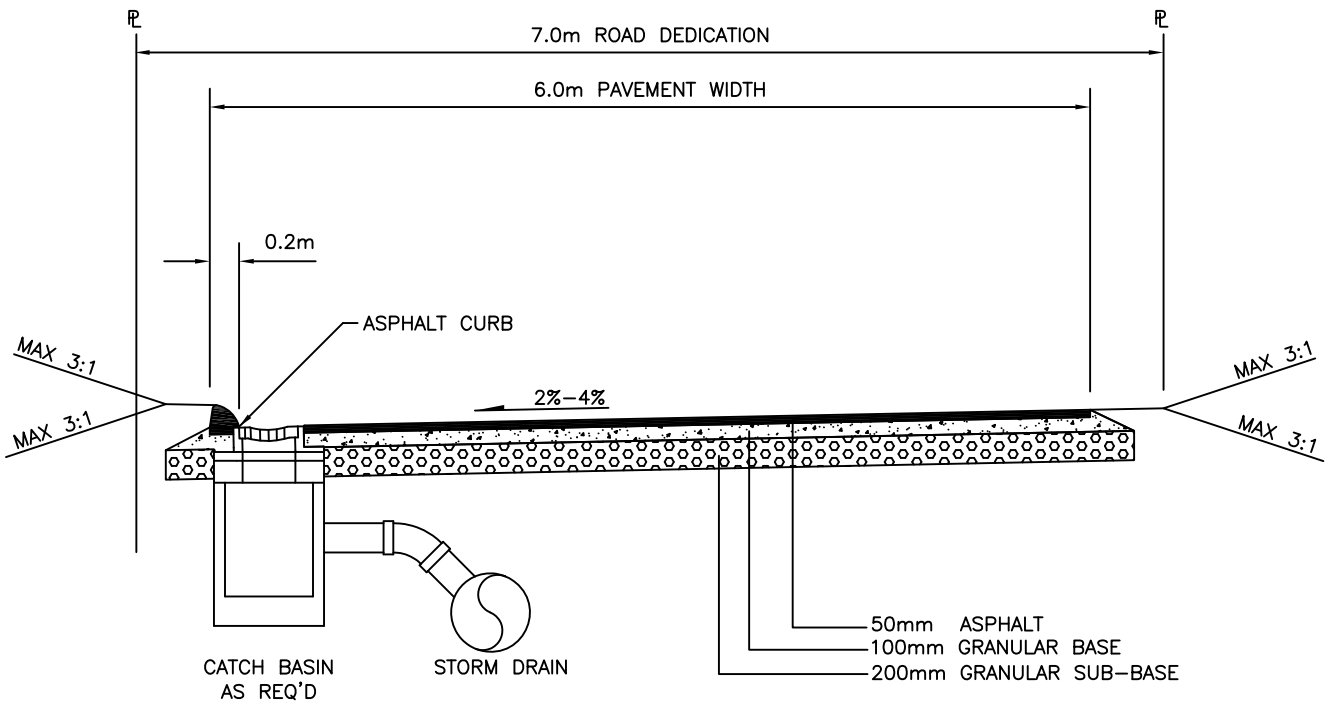
NOTES:

1. DESIGN SPEED: 50 KM/H
2. GRADATION OF GRANULAR BASE AND SUB-BASE MUST CONFORM TO SECTION 7 OF THESE SPECIFICATIONS.
3. SERVICE BOXES, JUNCTION BOXES AND OTHER UTILITY BOXES MUST BE LOCATED BEHIND THE SIDEWALK.
4. AFTER FIRST LIFT PAVING, ALL TRIPPING HAZARDS & DRAINAGE CONCERNS MUST BE ADDRESSED TEMPORARILY UNTIL FINAL SURFACE PAVING
5. BOULEVARDS MUST BE FINISHED WITH SOD OR SEED ON 150mm TOPSOIL. (REFER TO SECTION 9 LANDSCAPING)
6. BICYCLE PAVEMENT MARKINGS ARE REQUIRED WHERE A DRIVING LANE IS INTENDED TO BE SHARED WITH A BICYCLE.
7. ACTUAL LOCATION OF NON-CITY UTILITIES TO BE DETERMINED THROUGH CONSULTATION WITH THE UTILITY COMPANY AND THE MUNICIPAL ENGINEER.
8. FOR PARKING, SIGNAGE AND PAINT MARKINGS ARE REQUIRED TO INDICATE SETBACKS PER CITY TRAFFIC BYLAW.

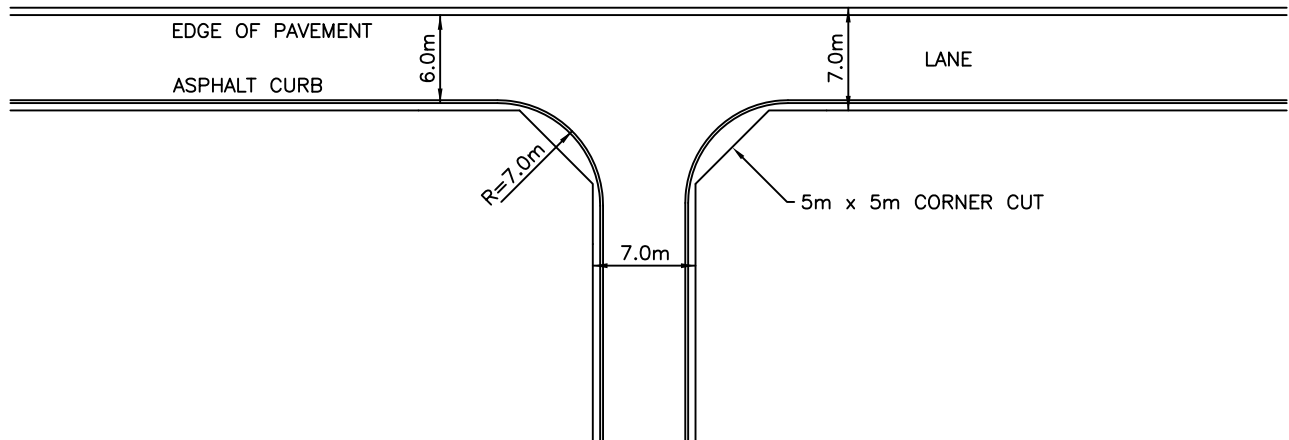
City of
Parksville

STANDARD ROAD CROSS SECTION
INDUSTRIAL ROADWAY
20.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	JTD
Date:	JAN 2015
Dwg. No.	RC7



TYPICAL LANE X-SECTION



LANE INTERSECTION

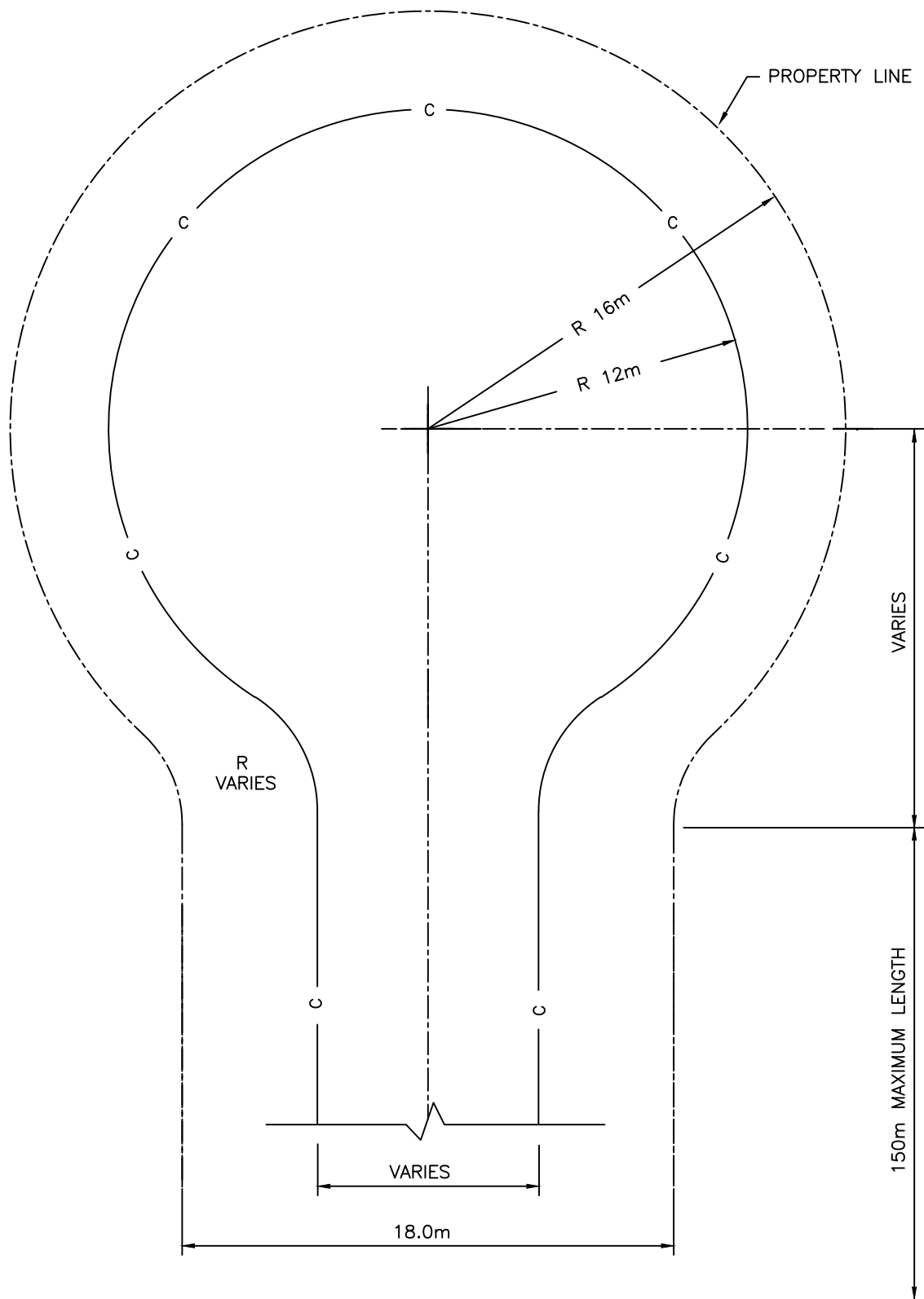
NOTES:

1. WHERE LANE ABUTS DEVELOPING LOTS, THE BACK OF THE CURB SHALL BE PLACED AT PROPERTY LINE AND THE PAVEMENT WIDTH INCREASED ACCORDINGLY.
2. LANES OUTSIDE THE DOWNTOWN AREA ARE DISCOURAGED.

City of
Parksville

STANDARD ROAD CROSS SECTION
URBAN LANE
7.0m ROAD DEDICATION

Scale	N.T.S.
Drawn	JTD
Date:	NOV 2017
Dwg. No.	RC8

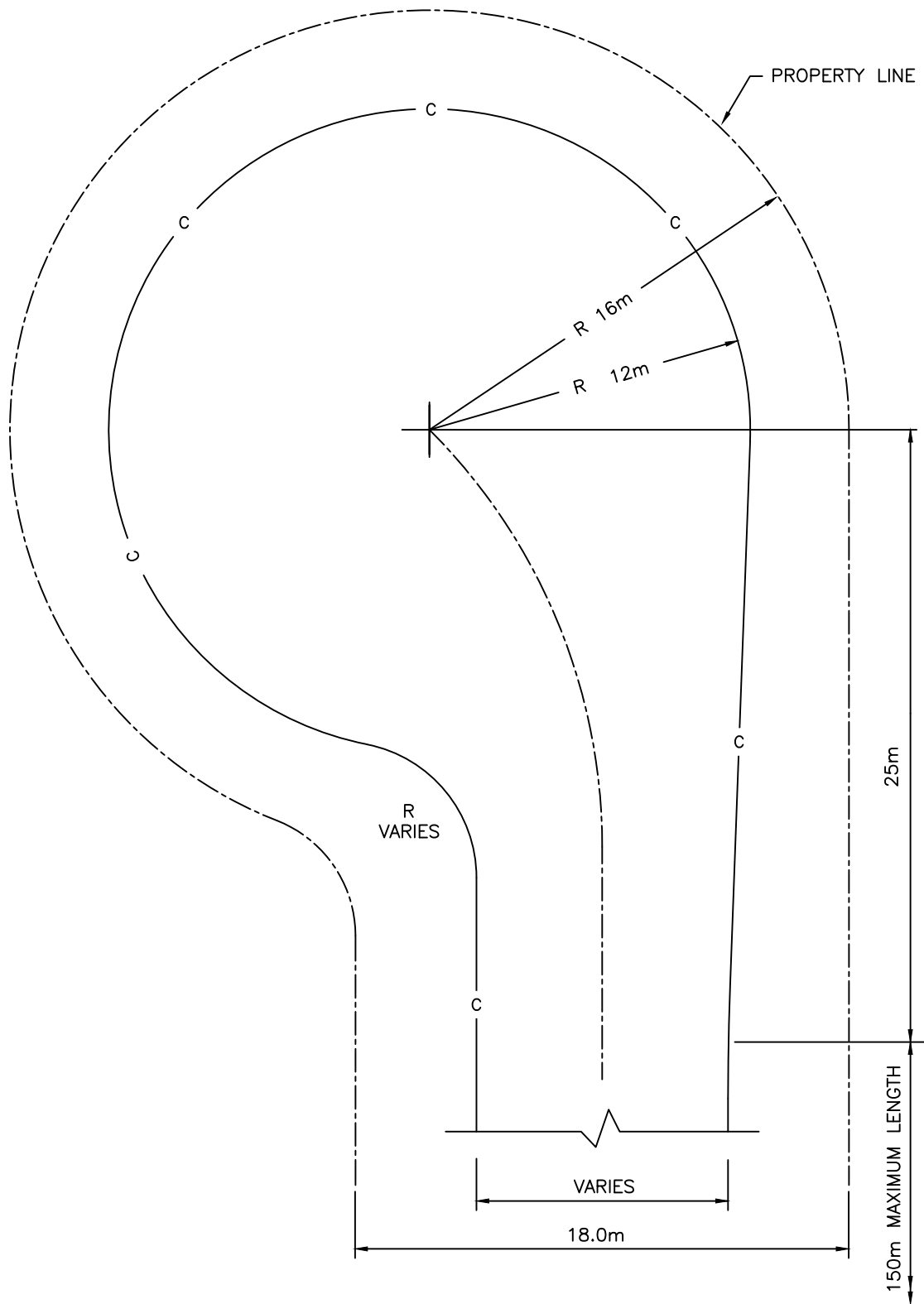


A PATHWAY SHALL CONNECT THE CUL-DE-SAC TO A NEIGHBORING ROAD, WHERE FEASIBLE

City of
Parksville

CUL-DE-SAC

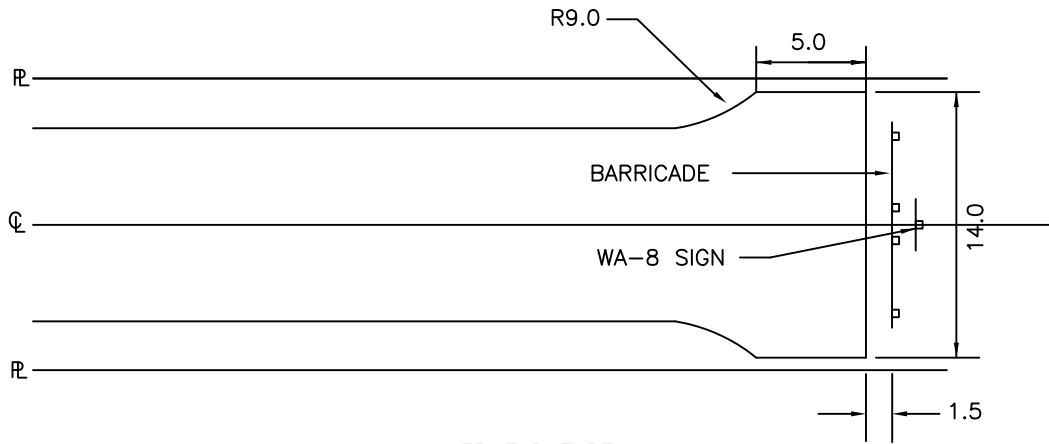
Scale	N.T.S.
Drawn	GG
Date:	NOV 2017
Dwg. No.	R9



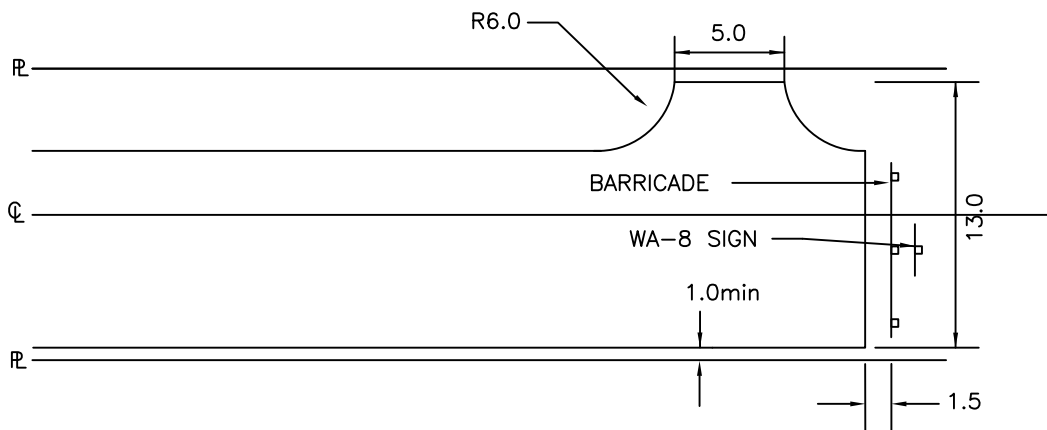
City of
Parksville

CUL-DE-SAC
OFFSET TYPE

Scale	N.T.S.
Drawn	GG
Date:	NOV 2017
Dwg. No.	R10



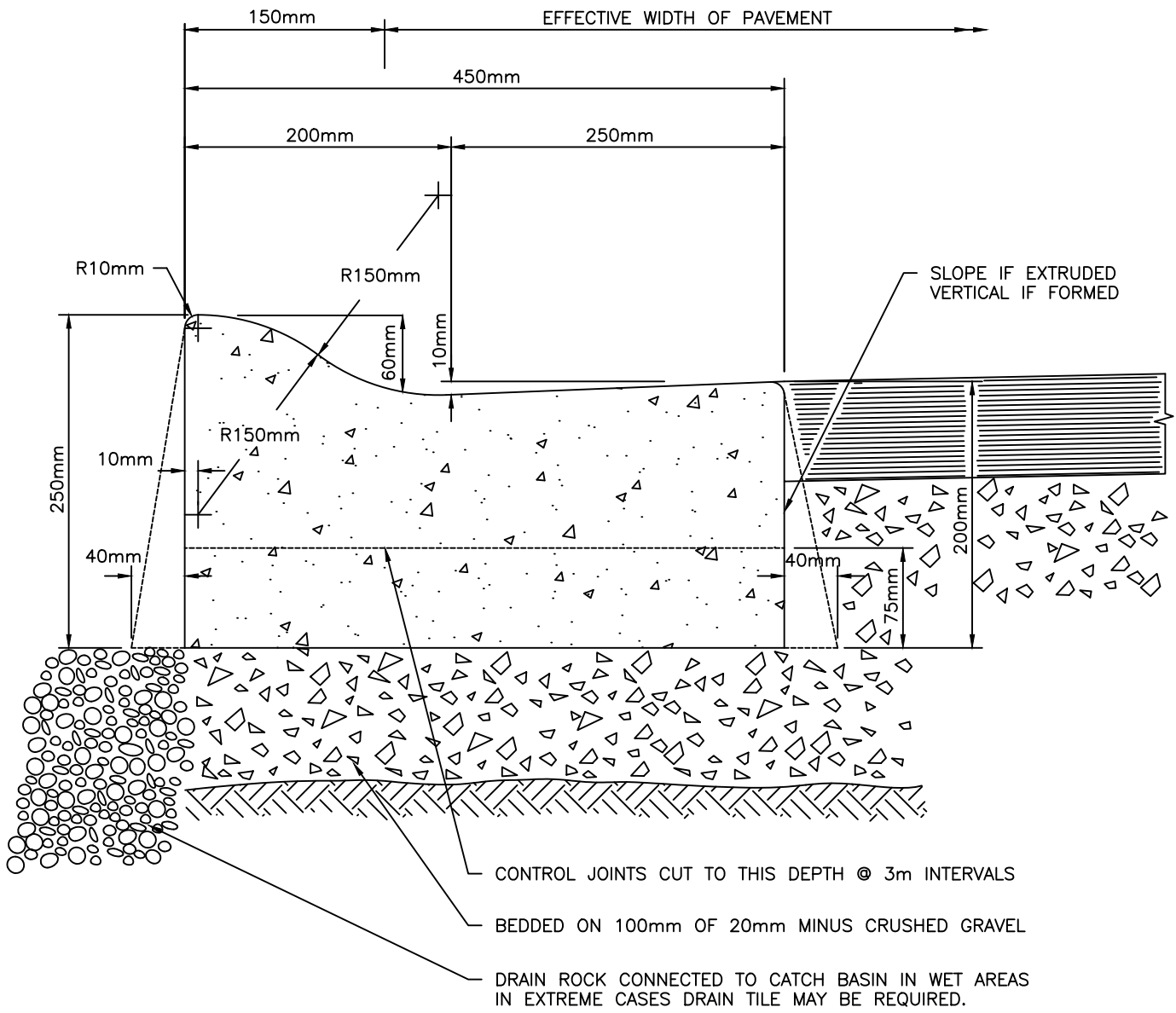
HAMMERHEAD TYPE



TEE TYPE
(FOR OFFSET PAVEMENT)

NOTES:

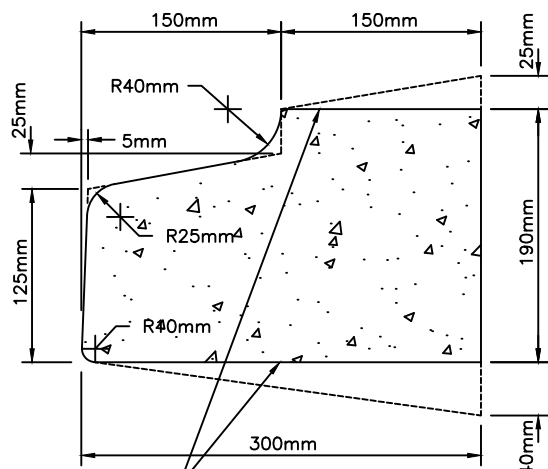
1. ALL TURN AROUNDS TO HAVE FULL WATER CONTROL FOR DRAINAGE.
2. WA-8 CHECKERBOARD SIGN TO BE ASTM 9 0.081 ALUMINUM 750mm X 750mm



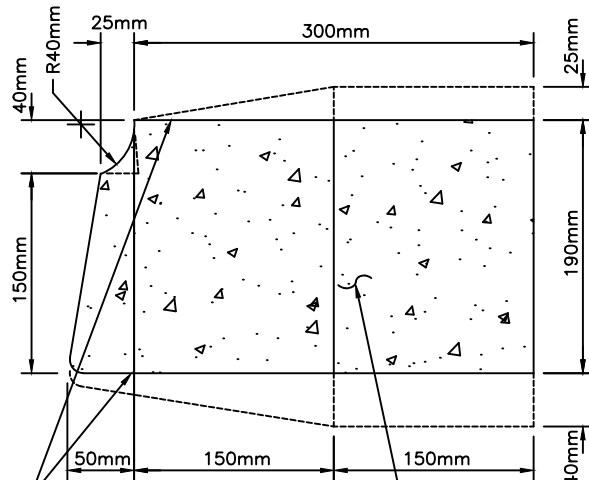
City of
Parksville

MOUNTABLE CURB & GUTTER

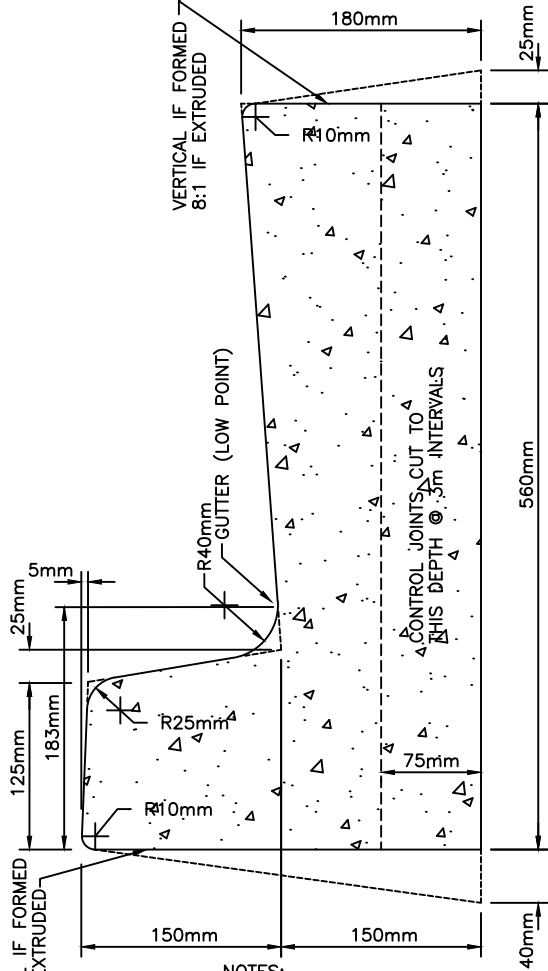
Scale	N.T.S.
Drawn	G.G.
Date:	MAY 2016
Dwg. No.	R12



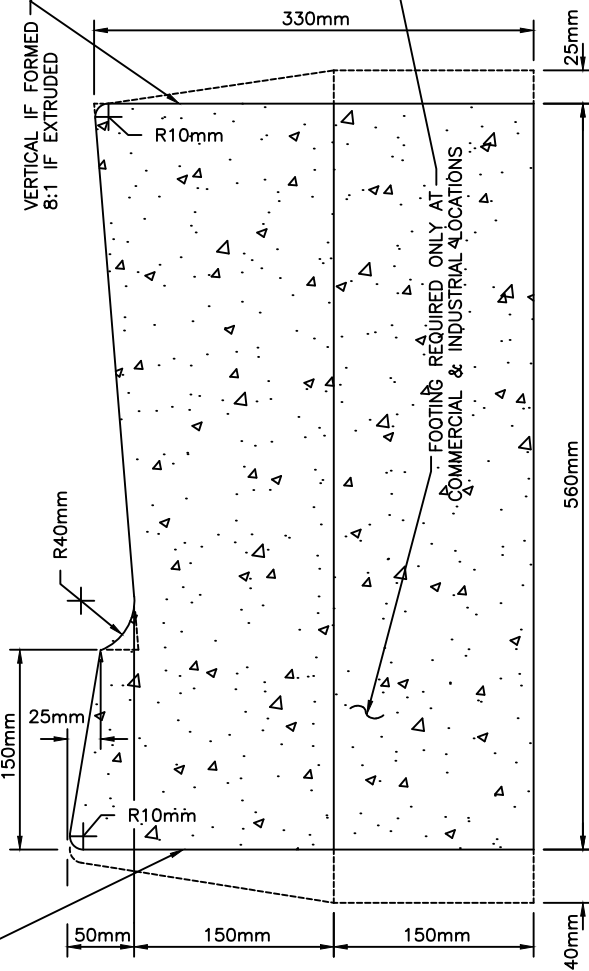
CURB WITHOUT GUTTER



DROP CURB WITHOUT GUTTER



CURB WITH INTEGRAL GUTTER

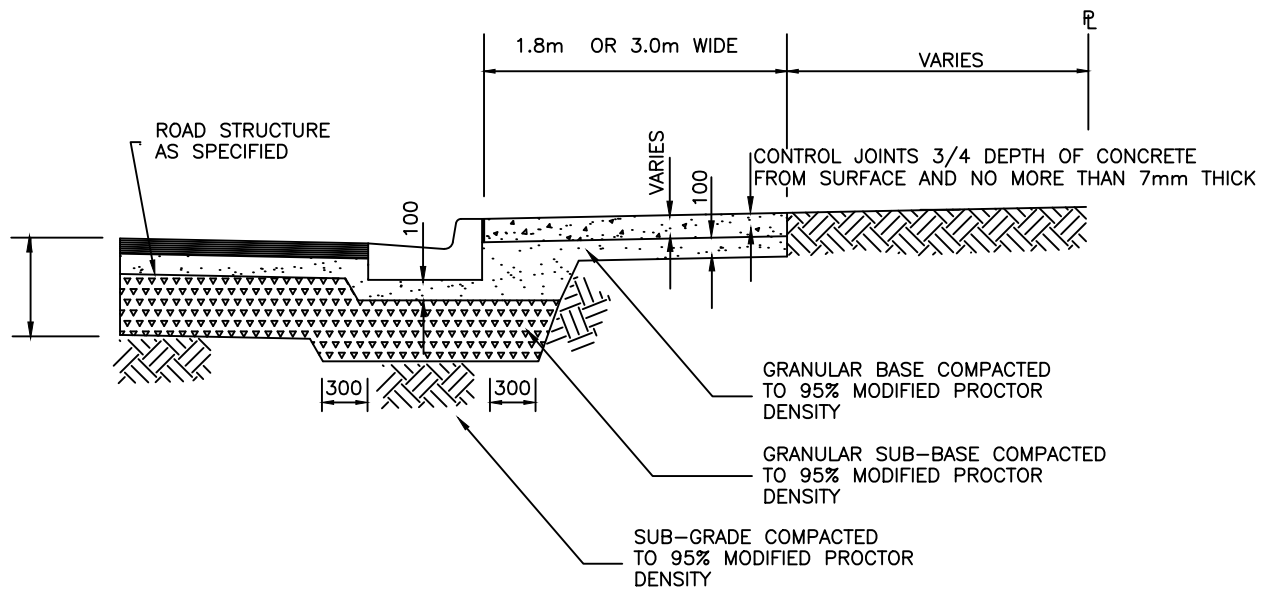
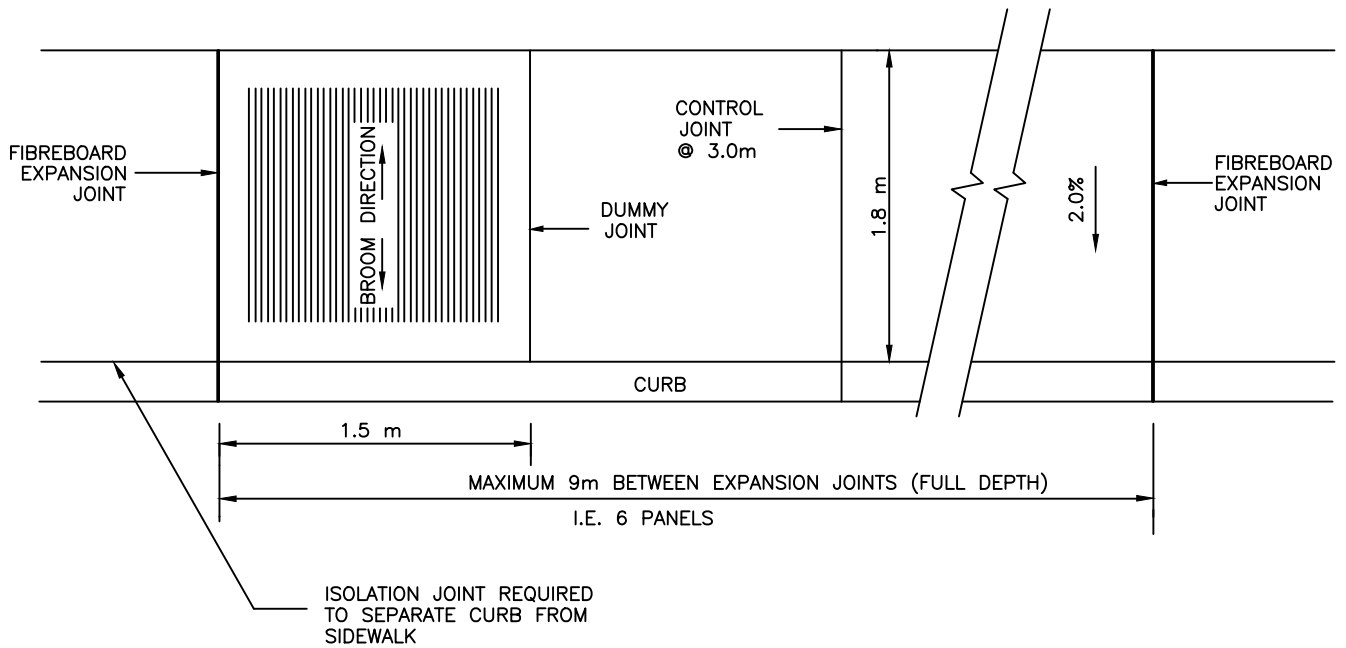


DROP CURB WITH INTEGRAL GUTTER

NOTES:

1. CURB AND GUTTER TO BE BEDDED ON 100mm OF 20mm MINUS CRUSHED GRAVEL.
2. FOR CONCRETE DETAILS SEE SPECIFICATIONS.
3. CURB WITHOUT GUTTER FOR LIMITED USE ONLY.

PROPERTY LINE

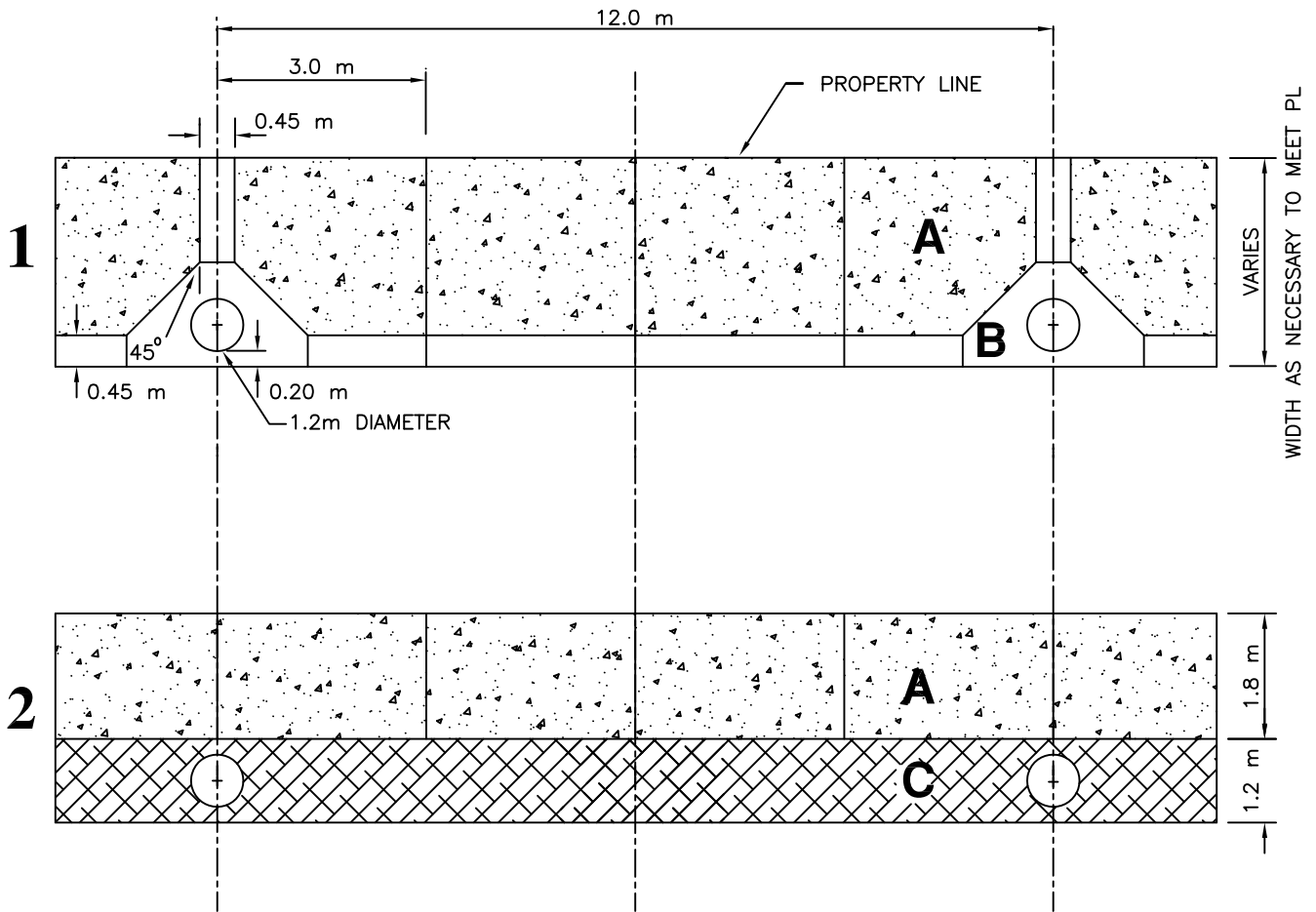


NOTE: SIDEWALK THICKNESS SHALL BE 100mm BEHIND NON MOUNTABLE CURB AND 150mm BEHIND ALL MOUNTABLE CURB AND BENEATH DRIVEWAY CROSSINGS

City of
Parksville

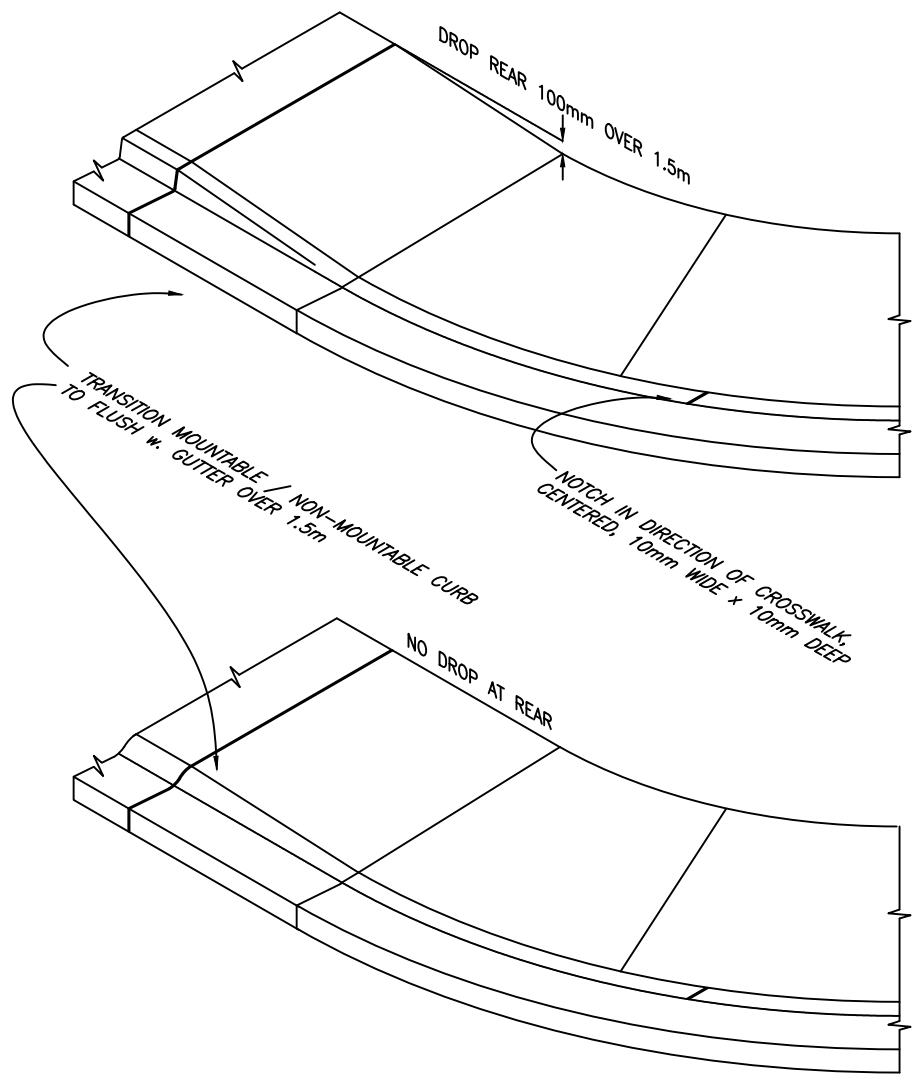
TYPICAL SIDEWALK
FINISHING DETAILS

Scale	N.T.S.
Drawn	CFB
Date:	APR 2016
Dwg. No.	R14



- A** BROOM FINISH CONCRETE
- B** EXPOSED AGGREGATE
- C** STAMPED CONCRETE

*NOTE: SPACING TO BE DETERMINED BY STREETLIGHT DESIGN. LAMP POSTS SHALL BE EVENLY SPACED BETWEEN TREES.



City of
Parksville

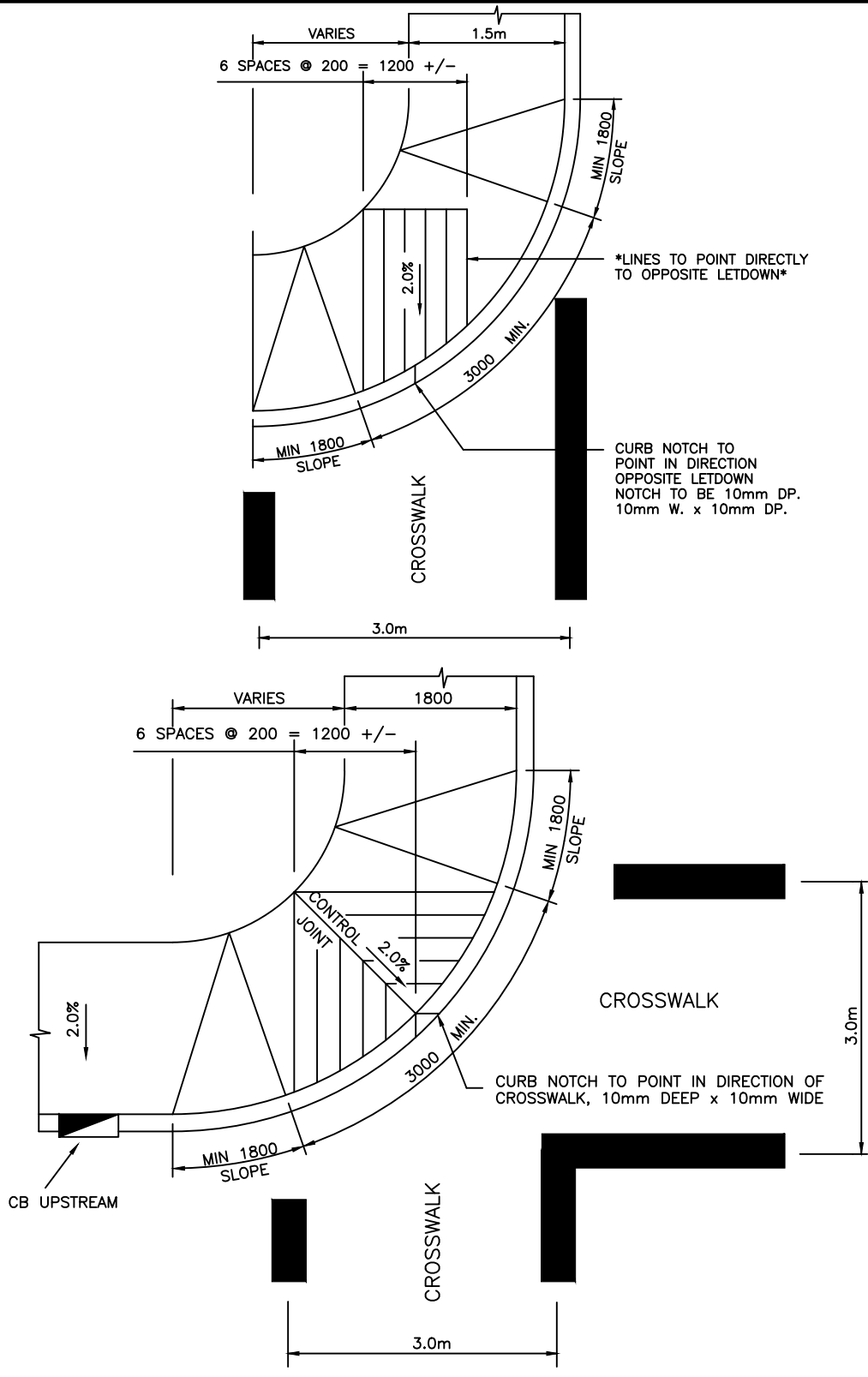
PEDESTRIAN SIDEWALK RAMP
 FOR MOUNTABLE AND
 NON-MOUNTABLE CURB

Scale N.T.S.

Drawn CFB

Date: APR 2016

Dwg. No. R16



City of
Parksville

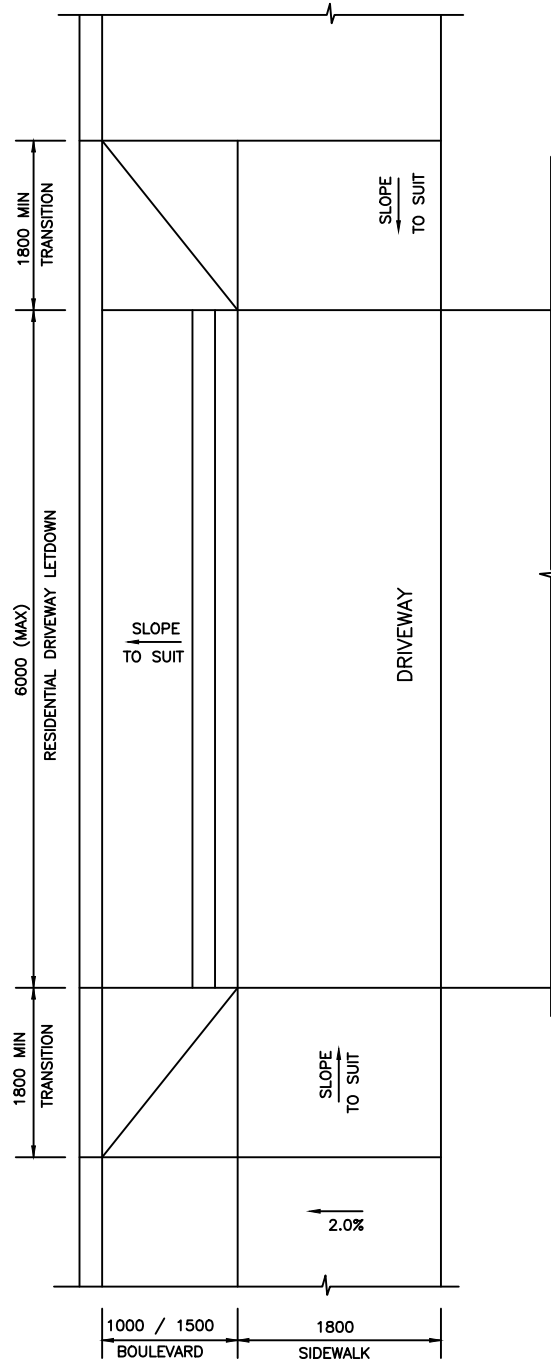
PEDESTRIAN SIDEWALK RAMP
FOR NON-MOUNTABLE CURB

Scale N.T.S.

Drawn GG

Date: JAN 2017

Dwg. No. R17



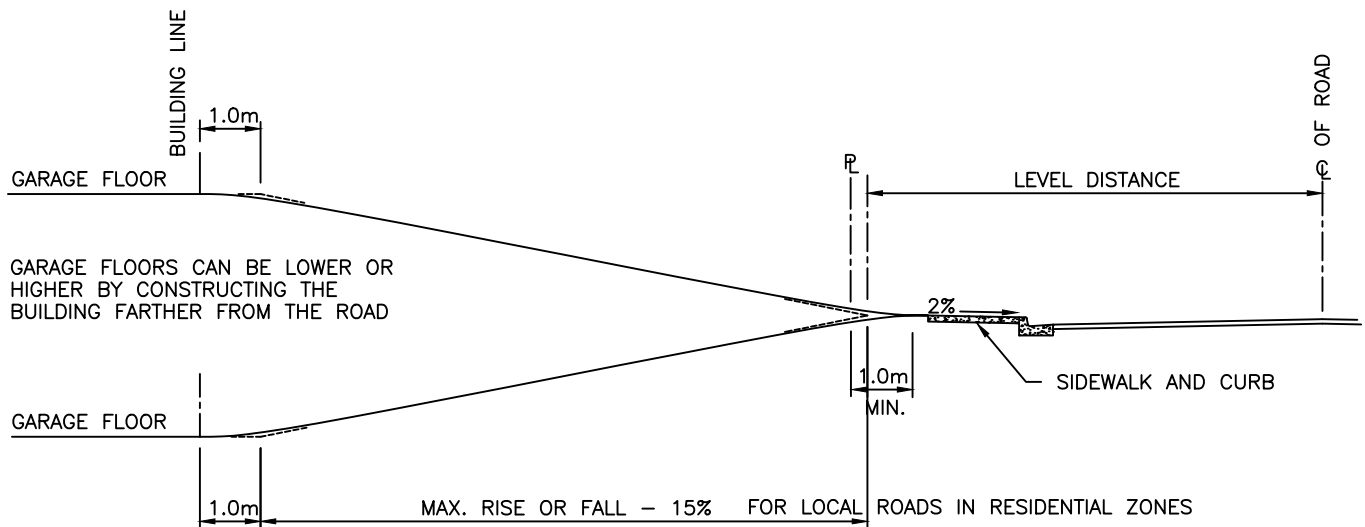
NOTES:

1. SUBGRADE, SUBBASE, AND BASE TO BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
2. CUT CONTROL JOINT AT CENTERLINE OF DRIVEWAY WHERE WIDTH IS GREATER THAN 6.0 m.
3. CROSSING TO BE ISOLATED WITH 13 mm EXPANSION JOINT MATERIAL ON BOTH SIDES.
4. DRIVEWAYS TO BE ORIENTED AT 90 DEGREES TO CURB UNLESS OTHERWISE APPROVED.
5. THICKNESS OF CROSSING TO BE A MINIMUM OF 150 mm.
6. BROOM FINISH WITH PEDESTRIAN FRIENDLY CONTROL JOINTS.

City of
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DRIVEWAY CROSSING
FOR NON-MOUNTABLE CURB

Scale	N.T.S.
Drawn	BBS
Date:	JAN 2017
Dwg. No.	R18



NOTES:

1a.) TO ALLOW FOR FUTURE ROAD WIDENING, CURB AND SIDEWALK CONSTRUCTION, THE DRIVEWAY AND FINISHED BOULEVARD GRADE MUST BE AT THE SAME ELEVATION AS THE CENTER OF THE EXISTING ROAD SURFACE AT THE FOLLOWING LEVEL DISTANCE FROM THE PAVEMENT CENTRE LINE.

	<u>ROAD</u>	<u>MINIMUM LEVEL DISTANCE</u>
URBAN LOCAL	- RC1	7.0m
URBAN COLLECTOR	- RC2	8.0m
URBAN ARTERIAL	- RC4	10.5m

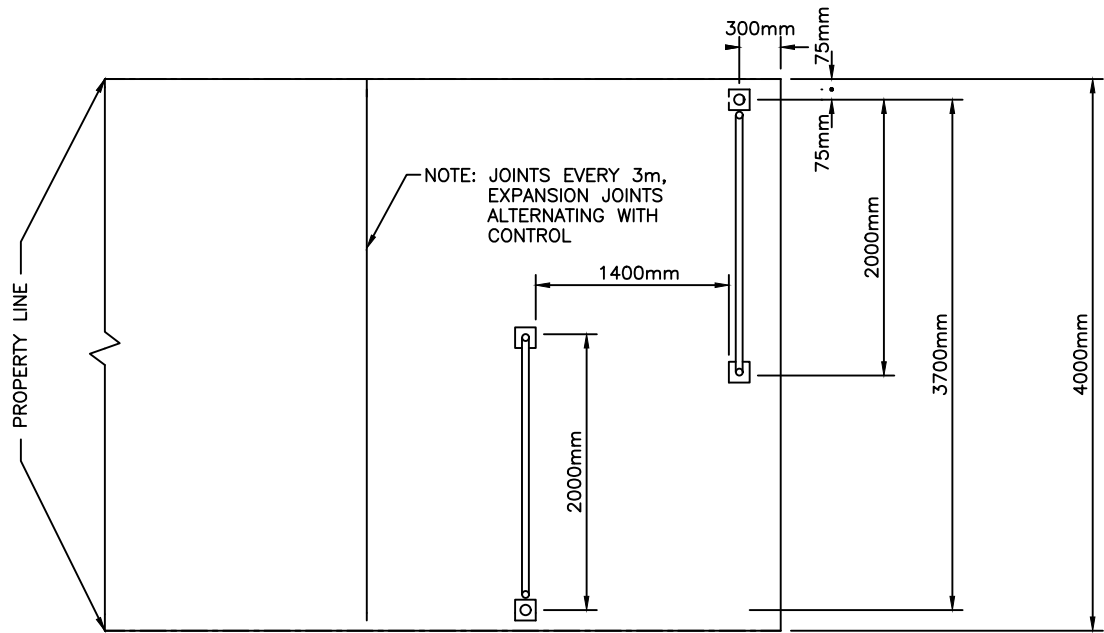
b.) WHERE CURB IS EXISTING A 2% GRADE MUST BE FORMED FROM THE CURB TO WITHIN 1m OF THE PROPERTY LINE.

2.) EXCEPTIONS TO THESE STANDARDS WILL BE ALLOWED ONLY AT THE DISCRETION OF THE MUNICIPAL ENGINEER.

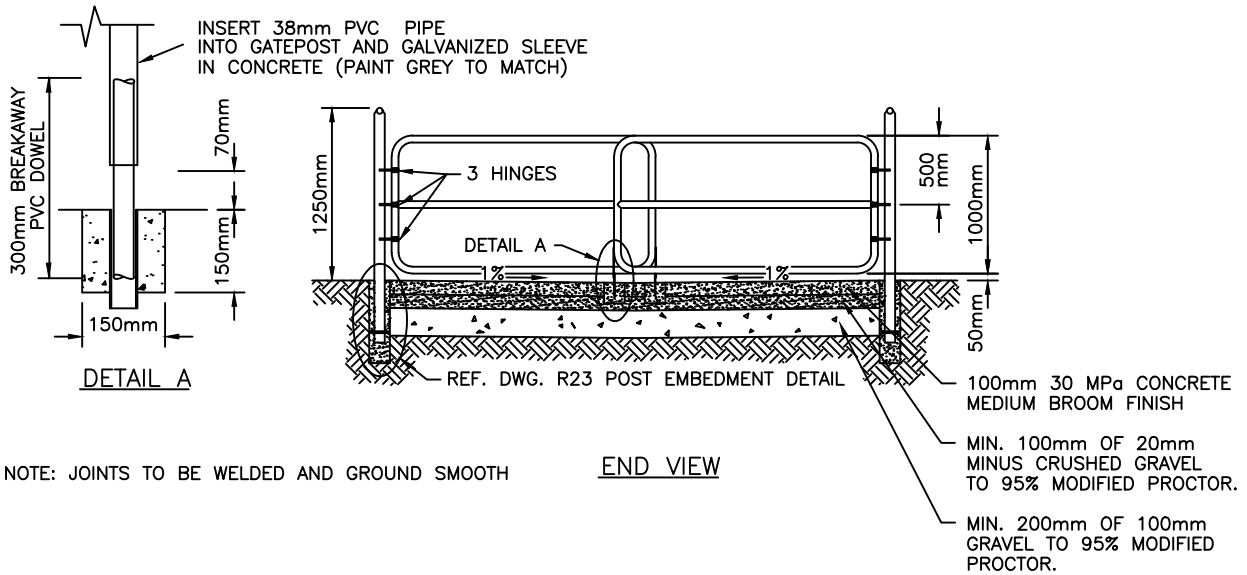
City of
Parksville

TYPICAL DRIVEWAY GRADES

Scale N.T.S.
 Drawn G.G.
 Date: MAY 2016
 Dwg. No. R19



PLAN VIEW



END VIEW

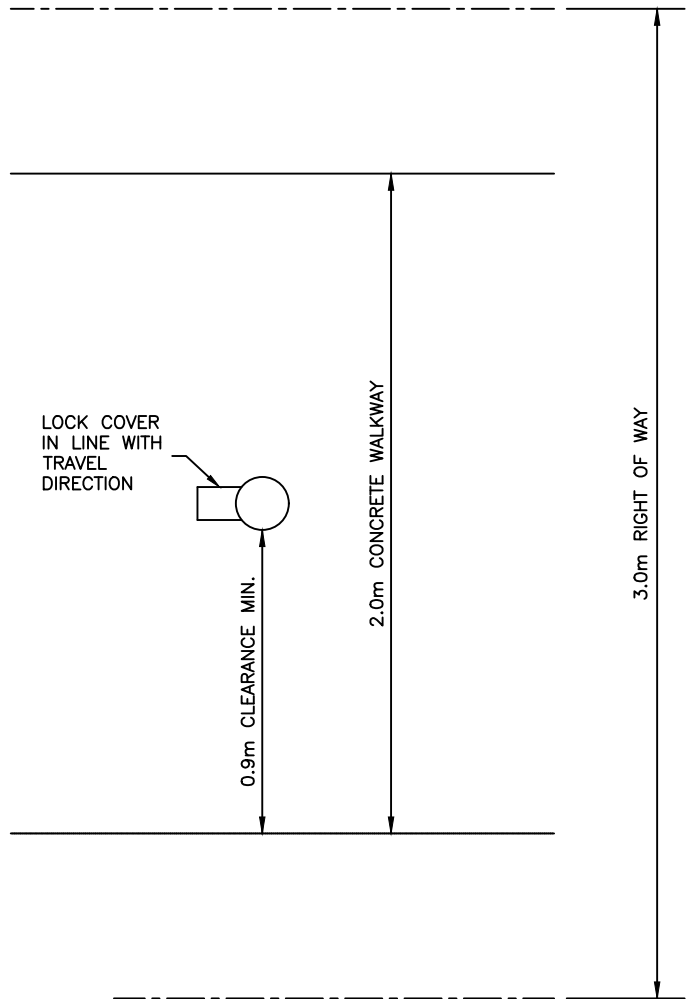
City of
Parksville

EMERGENCY ACCESS
4.0m R.O.W.

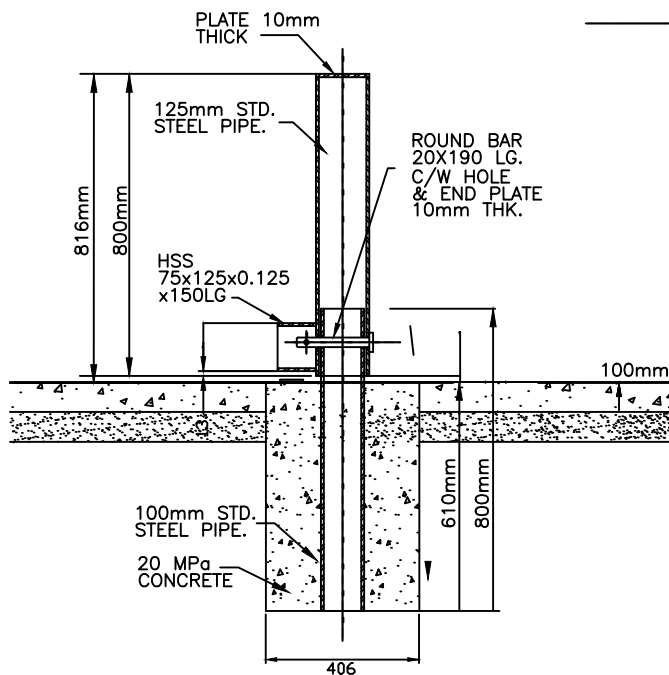
Scale	N.T.S.
Drawn	CFB
Date:	APR 2016
Dwg. No.	R20

NOTES:

1. WALKWAY JOINTS EVERY 3.0m, EXPANSION ALTERNATING WITH CONTROL.
2. ALL BOLLARD JOINTS TO BE MITRED, WELDED ALL AROUND AND SMOOTHED.
3. EDGE OF WALKWAY TO BE FLARED OUT IF NECESSARY TO PROVIDE CLEARANCE AROUND BOLLARD FOR WHEELCHAIRS
4. DRAINAGE TO BE ENGINEERED BY CONSULTANT

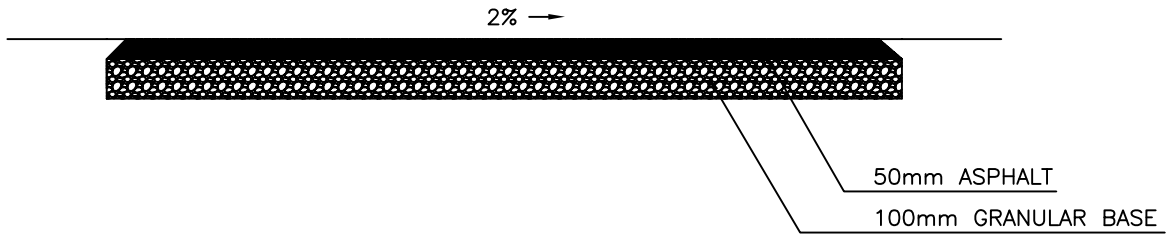


PLAN

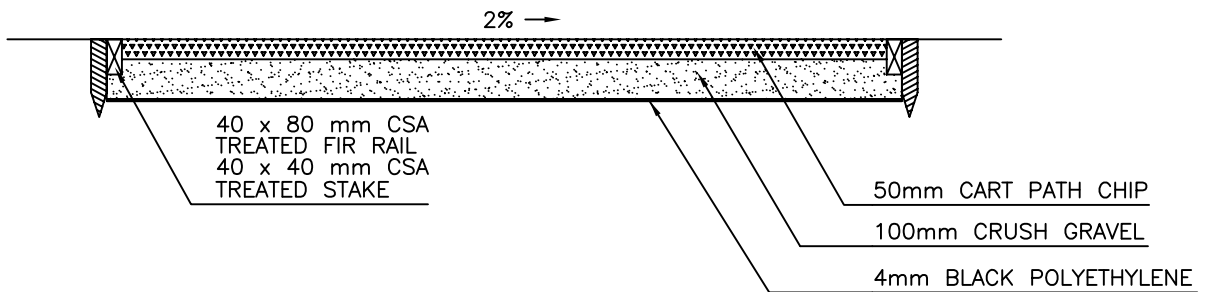


BOLLARD CROSS SECTION

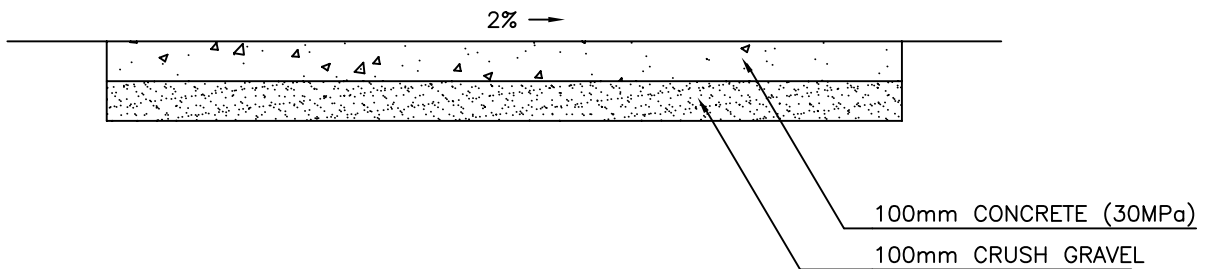
ASPHALT PEDESTRIAN/MAINTENANCE VEHICLE PATH (2.0-3.0m WIDE)



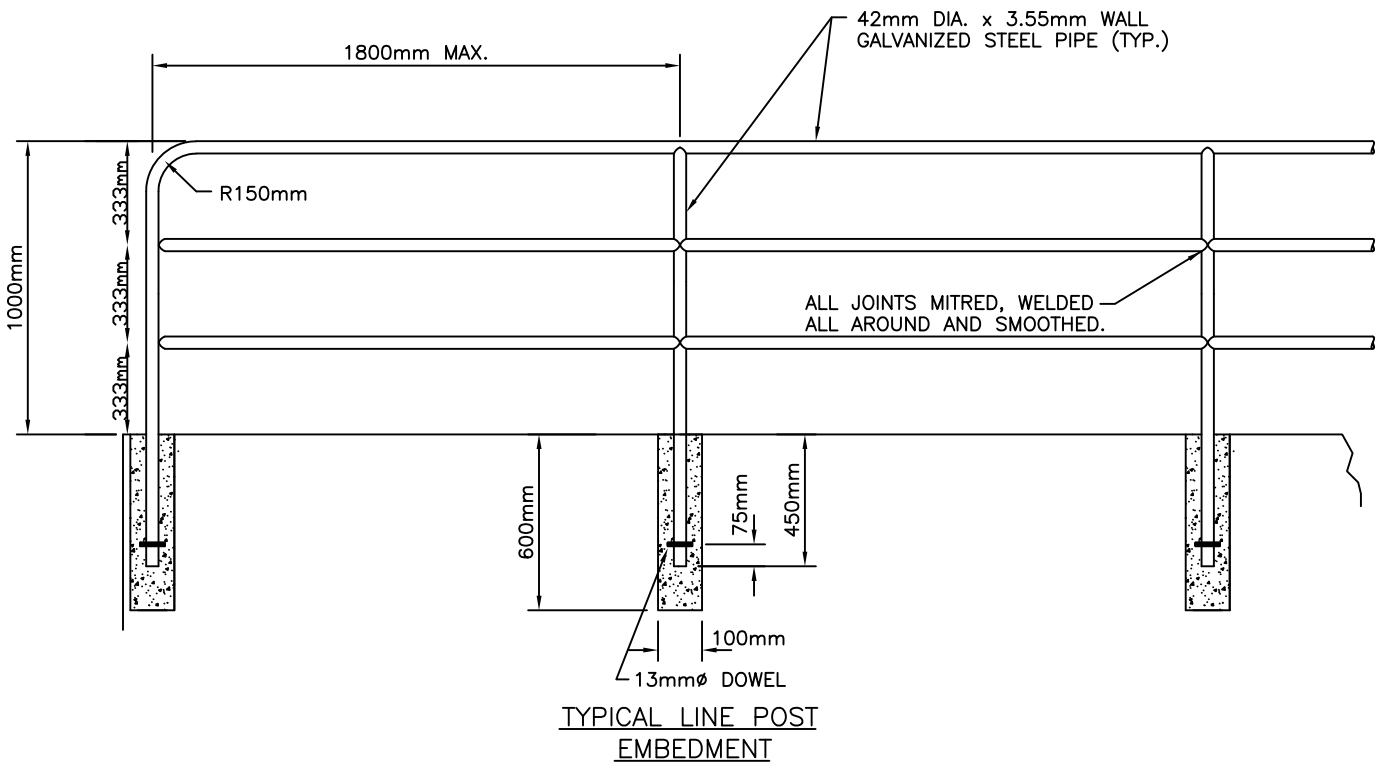
GRAVEL PATH (2.0m WIDE)

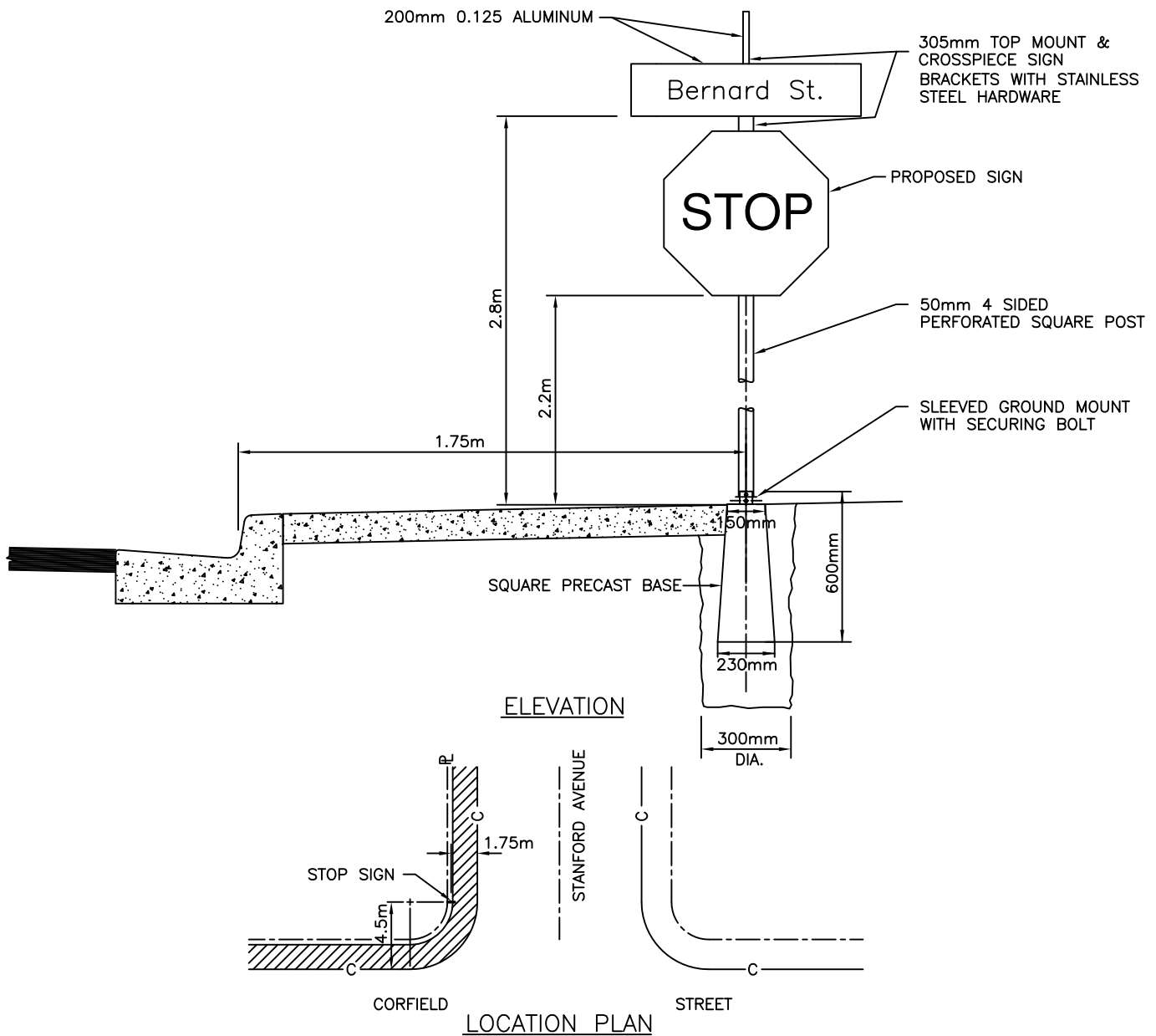


CONCRETE PATH (2.0m WIDE)



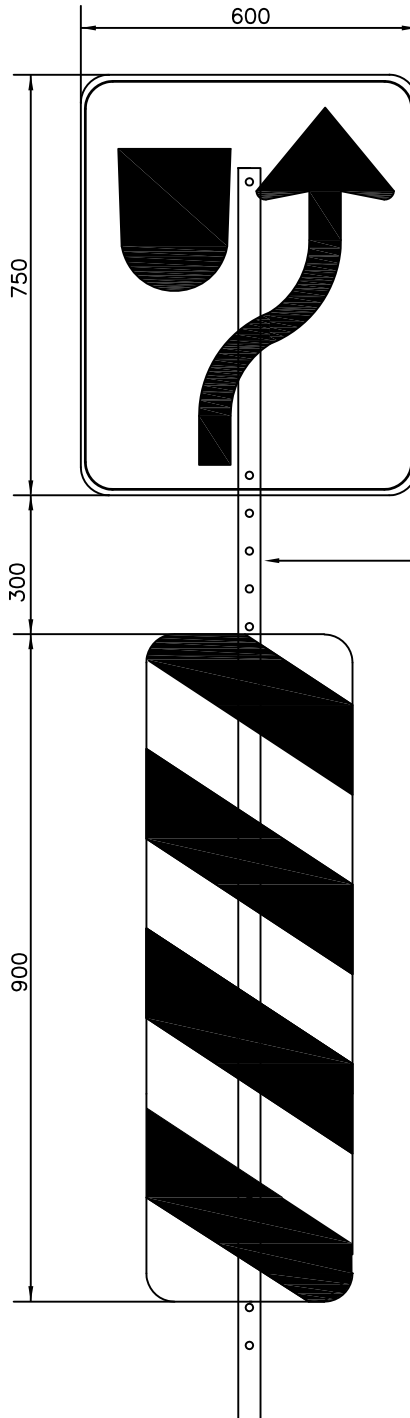
NOTE: IN RESIDENTIAL AREAS PATHS SHALL BE THE FULL WIDTH OF THE R.O.W.





NOTES:

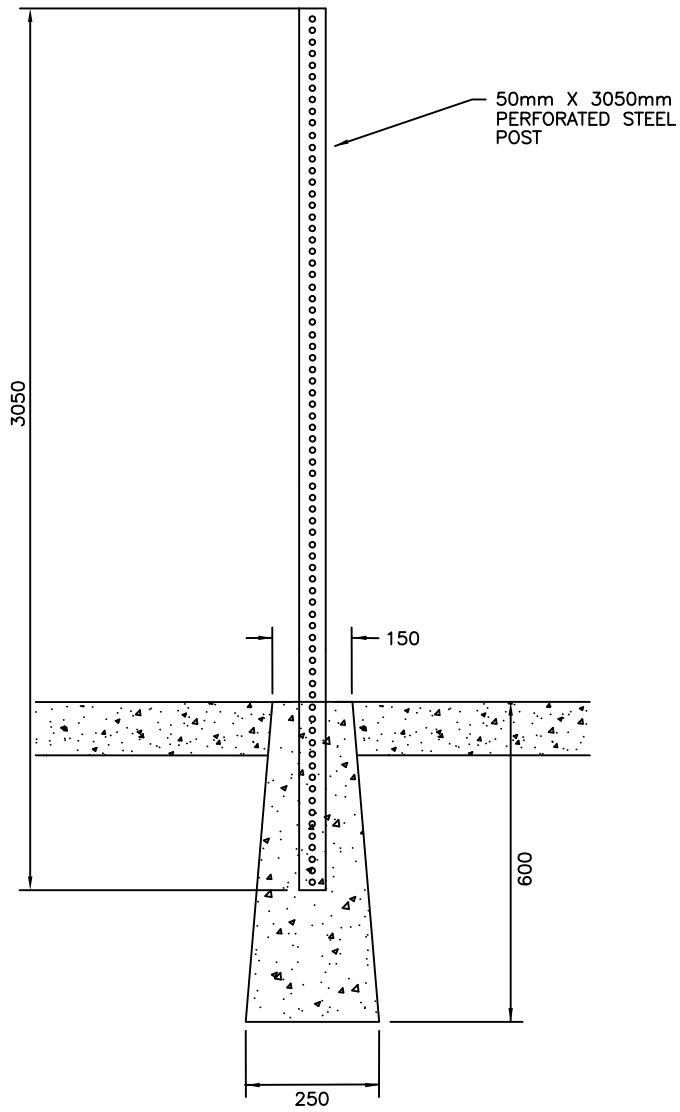
- 1.) TRAFFIC SIGNS TO BE ACCORDING TO SPECIFICATIONS OF MOTI "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND SHALL BE OBTAINED FROM AN APPROVED SIGN MANUFACTURER.
- 2.) SIGNS SHALL BE MADE ON 12 GAUGE (3mm) SIGN GRADE ALUMINUM AND THE REFLECTIVE SHEETING SHALL BE "DIAMOND GRADE" OR BETTER.
- 3.) STREET SIGNS TO BE SUPPLIED AND INSTALLED BY THE CITY OF PARKSVILLE.
- 4.) DRIVE RIVETS FOR ATTACHING SIGNS TO THEIR SUPPORTS SHALL BE ALUMINUM TO AVOID DISCOLOURATION.
- 5.) 2.735 14GA ROUND POSTS SHALL BE INSTALLED ON DOWNTOWN STREETS, GATOR SHIELD COATING QUALITY OR BETTER. ALL OTHER POSTS SHALL BE SQUARE.
- 6.) LOCATION TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE ENGINEER.



POST:
50 X 50 X 2100 LG.
PERFORATED SQUARE
GALVANIZED STEEL
TUBING, TYPICAL

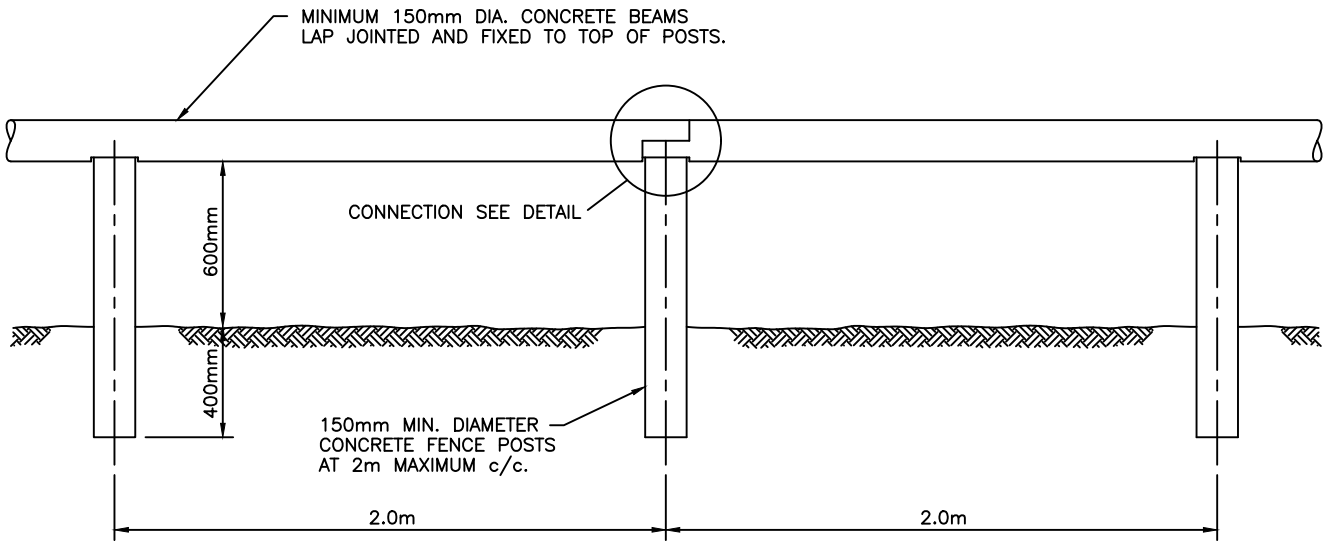
NOTES

1. ALL BOLTS, NUTS & WASHERS SHALL BE CADMIUM PLATED.
2. ALL DIMENSIONS IN MILLIMITRES UNLESS OTHERWISE SHOWN.

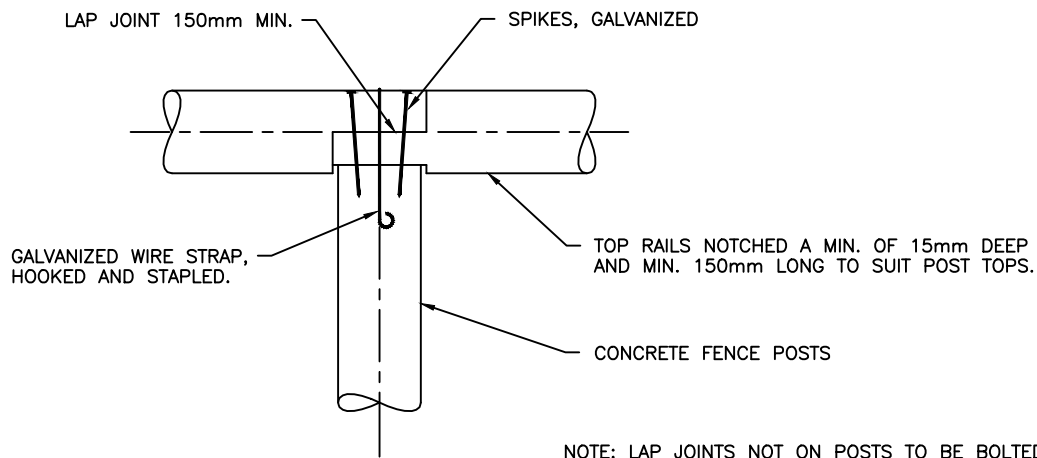


NOTES:

- 1.) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.



ELEVATION



CONNECTION DETAIL