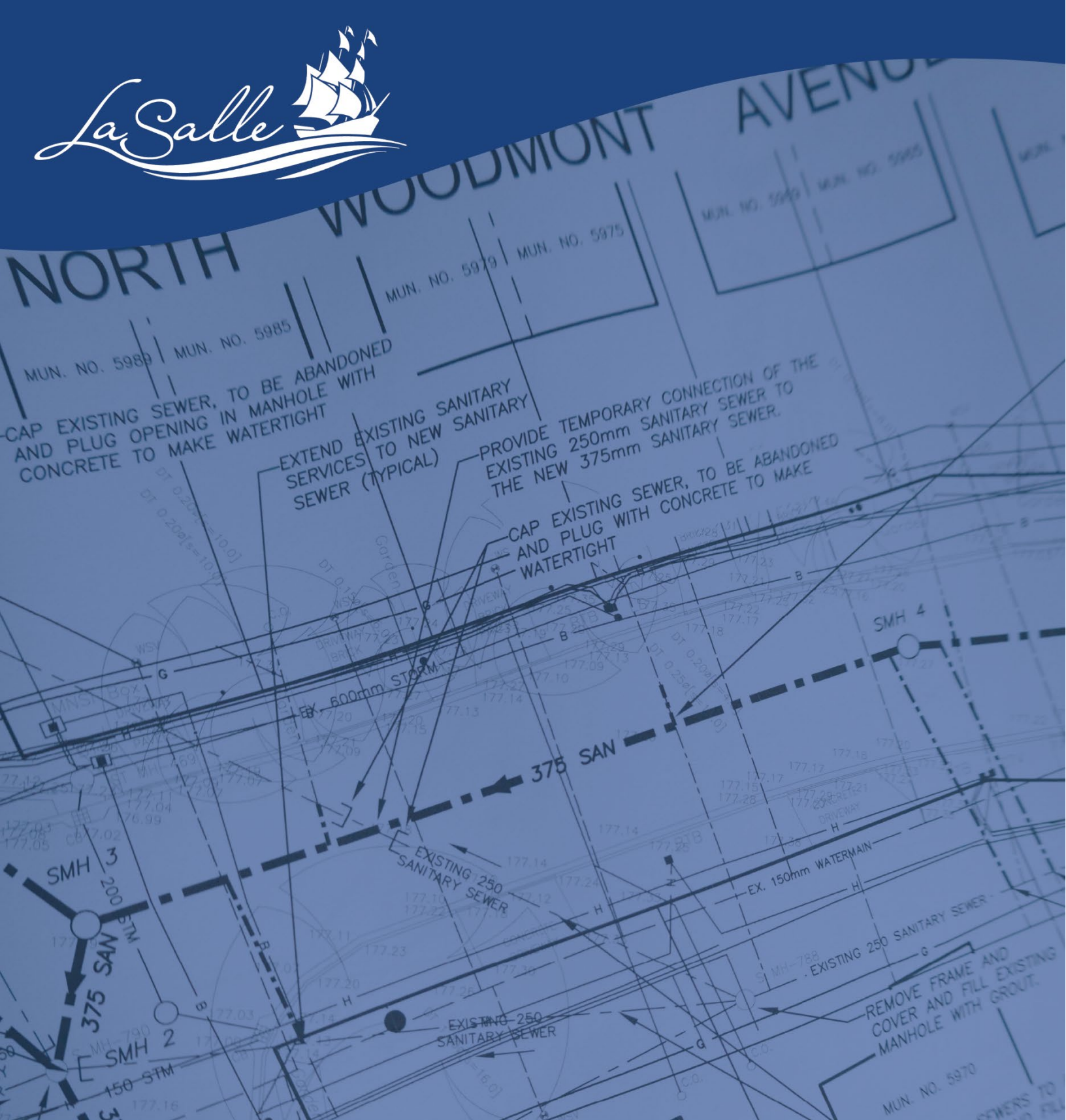
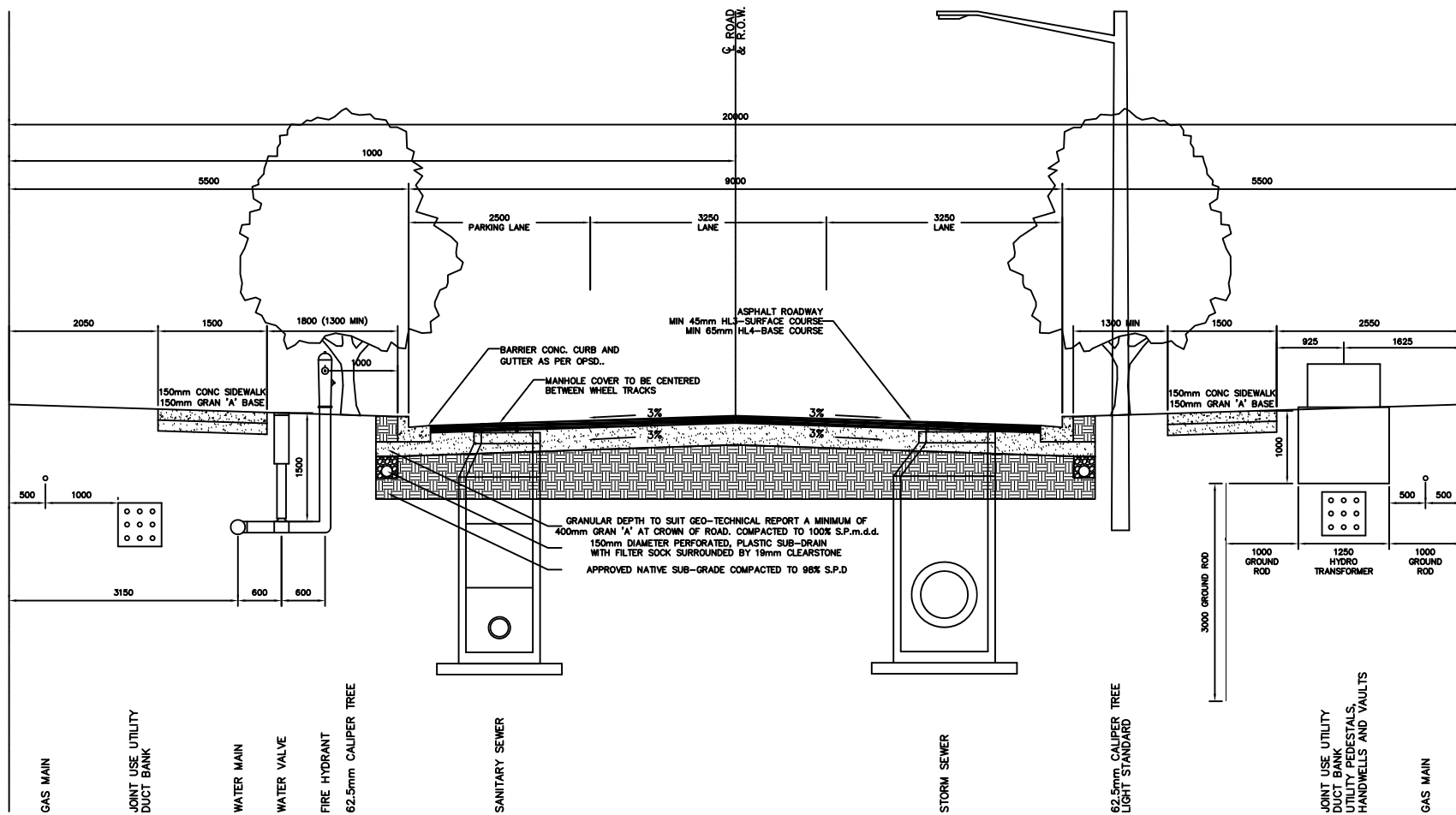






GENERAL NOTES:

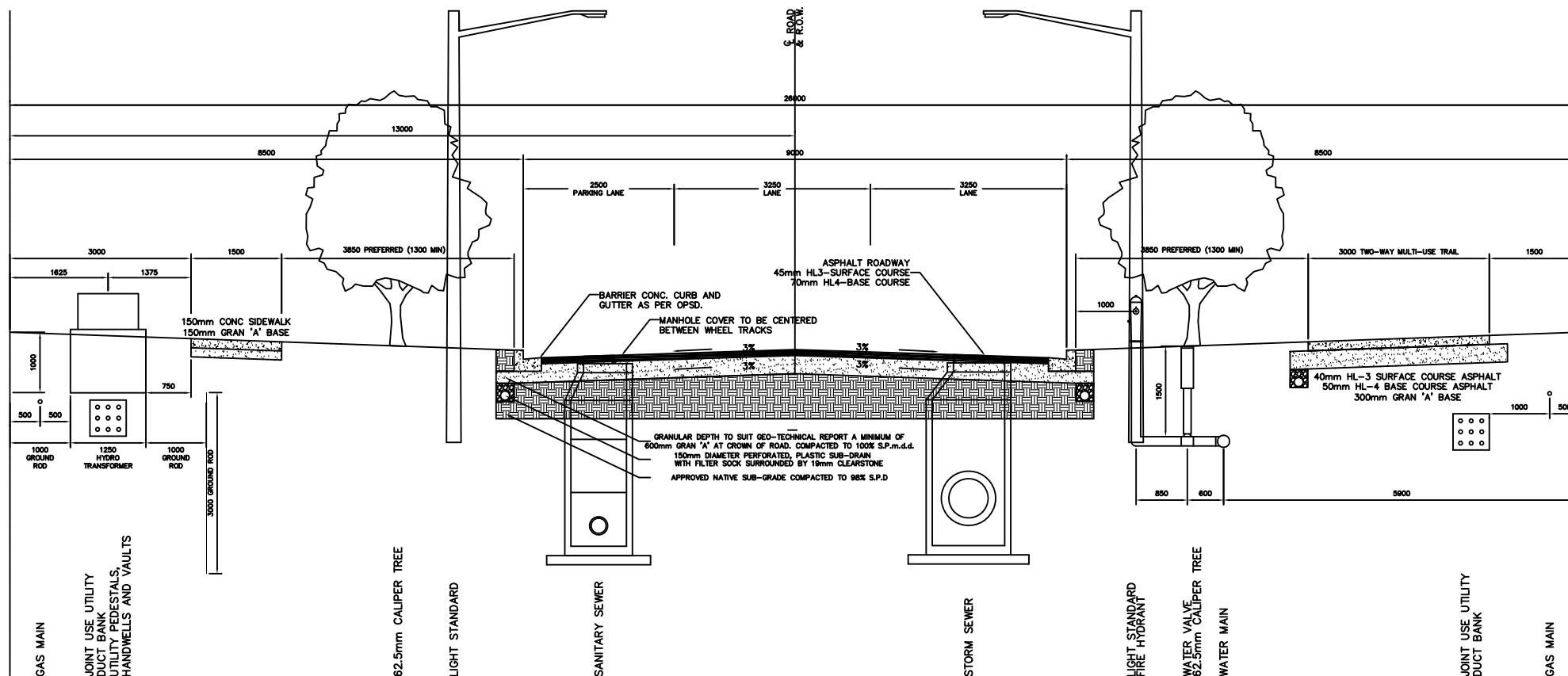
1. FINAL LOCATION OF UTILITIES MAY VARY DEPENDING ON UTILITY COMPANY AND ON SITE SPECIFIC REQUIREMENTS. FINAL POSITIONING OF UTILITY INFRASTRUCTURE SHALL BE VERIFIED BY A REPRESENTATIVE OF THE TOWN OF LASALLE.
2. THE SUB-GRADE SHALL BE SHAPED TO CONFORM TO THE REQUIRED LONGITUDINAL GRADE (0.4%) AND CROSS-SECTION AND SHALL HAVE A CROSS-FALL OF THREE PERCENT (3%) FROM THE CENTERLINE OF ROADWAY TO EACH SIDE. EXPOSED SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF A GEO-TECHNICAL ENGINEER TO VERIFY SUITABILITY.
3. SPARE CONDUIT SHALL BE INSTALLED WITHIN THE JOINT USE DUCT BANK AS PER TOWN OF LASALLE DEVELOPMENT MANUAL.
4. CONCRETE CURB AND GUTTER SHALL BE REQUIRED ON ALL PAVEMENTS. THE CONCRETE CURB AND GUTTER SHALL BE BUILT ACCORDING TO OPSD STANDARDS.
5. STREET LIGHT LOCATION AND CONFIGURATION AS PER LIGHTING DESIGN.
6. CONCRETE SIDEWALKS SHALL BE PLACED ON BOTH SIDES OF THE ROAD IN A LOCATION APPROVED BY THE TOWN AT A GRADE OF 2% MIN - 4% MAX.
 - i) NO OBSTRUCTIONS SHALL BE IN THE SIDEWALK.
 - ii) BOULEVARD TO BE A MINIMUM OF 1300 mm.
 - iii) IF SIDEWALK IS TO BE ALONG THE BACK OF THE CURB, THE WIDTH OF THE SIDEWALK MUST BE 1800 mm.
7. THE BOULEVARD AREA FROM THE CURB TO THE PROPERTY LINE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TOWARDS THE ROADWAY AT A GRADE OF 3% MIN - 6% MAX.
8. STREET TREES SHALL BE INSTALLED IN A LOCATION APPROVED BY THE TOWN.



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Figure L-CS-01
Typical Road Cross Section
20.0m R.O.W. - LOCAL ROAD



GENERAL NOTES:

1. FINAL LOCATION OF UTILITIES MAY VARY DEPENDING ON UTILITY COMPANY AND ON SITE SPECIFIC REQUIREMENTS. FINAL POSITIONING OF UTILITY INFRASTRUCTURE SHALL BE VERIFIED BY A REPRESENTATIVE OF THE TOWN OF LASALLE.
2. THE SUB-GRADE SHALL BE SHAPED TO CONFORM TO THE REQUIRED LONGITUDINAL GRADE (0.4%) AND CROSS-SECTION AND SHALL HAVE A CROSS-FALL OF THREE PERCENT (3%) FROM THE CENTERLINE OF ROADWAY TO EACH SIDE. EXPOSED SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF A GEO-TECHNICAL ENGINEER TO VERIFY SUITABILITY.
3. SPARE CONDUIT SHALL BE INSTALLED WITHIN THE JOINT USE DUCT BANK AS PER TOWN OF LASALLE DEVELOPMENT MANUAL.
4. CONCRETE CURB AND GUTTER SHALL BE REQUIRED ON ALL PAVEMENTS. THE CONCRETE CURB AND GUTTER SHALL BE BUILT ACCORDING TO OPSD STANDARDS).
5. STREET LIGHT LOCATION AND CONFIGURATION AS PER LIGHTING DESIGN.
6. A 3.0 METER MULTI-USE TRAIL SHALL BE PLACED ON ONE SIDE OF THE ROAD IN A LOCATION APPROVED BY THE TOWN AT A GRADE OF 2% MIN - 4% MAX. THE GRANULAR BASE MUST EXTEND 0.3 METERS BEYOND EITHER SIDE OF THE MULTI-USE TRAIL.
7. WHERE A MULTI-USE TRAIL IS INSTALLED NOT ADJACENT TO A ROADWAY, BIG 'O' SHALL BE INSTALLED AS PER OPSD.
8. CONCRETE SIDEWALKS SHALL BE PLACED ON A MINIMUM OF ONE SIDE OF THE ROAD (OR BOTH WHEN REQUIRED). IN A LOCATION APPROVED BY THE TOWN AT A GRADE OF 2% MIN - 4% MAX.
 - i) NO OBSTRUCTIONS SHALL BE IN THE SIDEWALK.
 - ii) BOULEVARD TO BE A MINIMUM OF 1500 mm.
 - iii) IF SIDEWALK IS TO BE ALONG THE BACK OF THE CURB, THE WIDTH OF THE SIDEWALK MUST BE 1800 mm.
9. THE BOULEVARD AREA FROM THE CURB TO THE PROPERTY LINE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TOWARDS THE ROADWAY AT A GRADE OF 3% MIN - 6% MAX.
10. STREET TREES SHALL BE INSTALLED IN A LOCATION APPROVED BY THE TOWN.

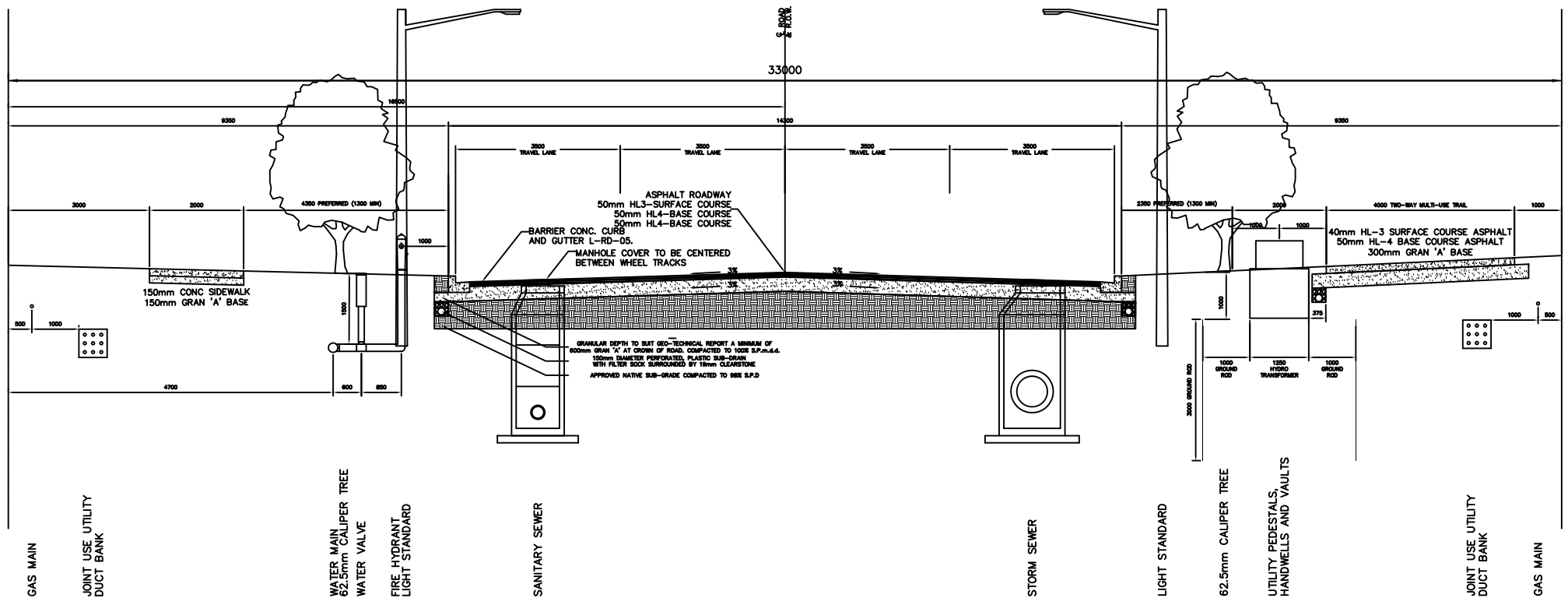


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Town of LaSalle Development Manual

Figure L-CS-02

Typical Road Cross Section
26.0m R.O.W. - COLLECTOR ROAD



GENERAL NOTES:

1. FINAL LOCATION OF UTILITIES MAY VARY DEPENDING ON UTILITY COMPANY AND ON SITE SPECIFIC REQUIREMENTS. FINAL POSITIONING OF UTILITY INFRASTRUCTURE SHALL BE VERIFIED BY A REPRESENTATIVE OF THE TOWN OF LASALLE.
2. THE SUB-GRADE SHALL BE SHAPED TO CONFORM TO THE REQUIRED LONGITUDINAL GRADE (0.4%) AND CROSS-SECTION AND SHALL HAVE A CROSS-FALL OF THREE PERCENT (3%) FROM THE CENTERLINE OF ROADWAY TO EACH SIDE. EXPOSED SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF A GEO-TECHNICAL ENGINEER TO VERIFY SUITABILITY.
3. SPARE CONDUIT SHALL BE INSTALLED WITHIN THE JOINT USE DUCT BANK AS PER TOWN OF LASALLE DEVELOPMENT MANUAL.
4. CONCRETE CURB AND GUTTER SHALL BE REQUIRED ON ALL PAVEMENTS. THE CONCRETE CURB AND GUTTER SHALL BE BUILT ACCORDING TO OPSD STANDARDS..
5. STREET LIGHT LOCATION AND CONFIGURATION AS PER LIGHTING DESIGN.
6. A 4m MULTI-USE TRAIL SHALL BE PLACED ON ONE SIDE OF THE ROAD IN A LOCATION APPROVED BY THE TOWNSHIP AT A GRADE OF 2% MIN - 4% MAX. THE GRANULAR BASE MUST EXTEND 0.3 METERS BEYOND EITHER SIDE OF THE MULTI-USE TRAIL.
7. WHERE A MULTI-USE TRAIL IS INSTALLED NOT ADJACENT TO A ROADWAY, BIG 'O' SHALL BE INSTALLED AS PER OPSS.
8. CONCRETE SIDEWALKS SHALL BE PLACED ON A MINIMUM OF ONE SIDE OF THE ROAD (OR BOTH WHEN REQUIRED) IN A LOCATION APPROVED BY THE TOWN AT A GRADE OF 2% MIN - 4% MAX.
 - i) NO OBSTRUCTIONS SHALL BE IN THE SIDEWALK.
 - ii) BOULEVARD TO BE A MINIMUM OF 1500 mm.
 - iii) IF SIDEWALK IS TO BE ALONG THE BACK OF THE CURB, THE WIDTH OF THE SIDEWALK MUST BE 1800 mm.
9. THE BOULEVARD AREA FROM THE CURB TO THE PROPERTY LINE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE TOWARDS THE ROADWAY AT A GRADE OF 3% MIN - 6% MAX.
10. STREET TREES SHALL BE INSTALLED IN A LOCATION APPROVED BY THE TOWN.

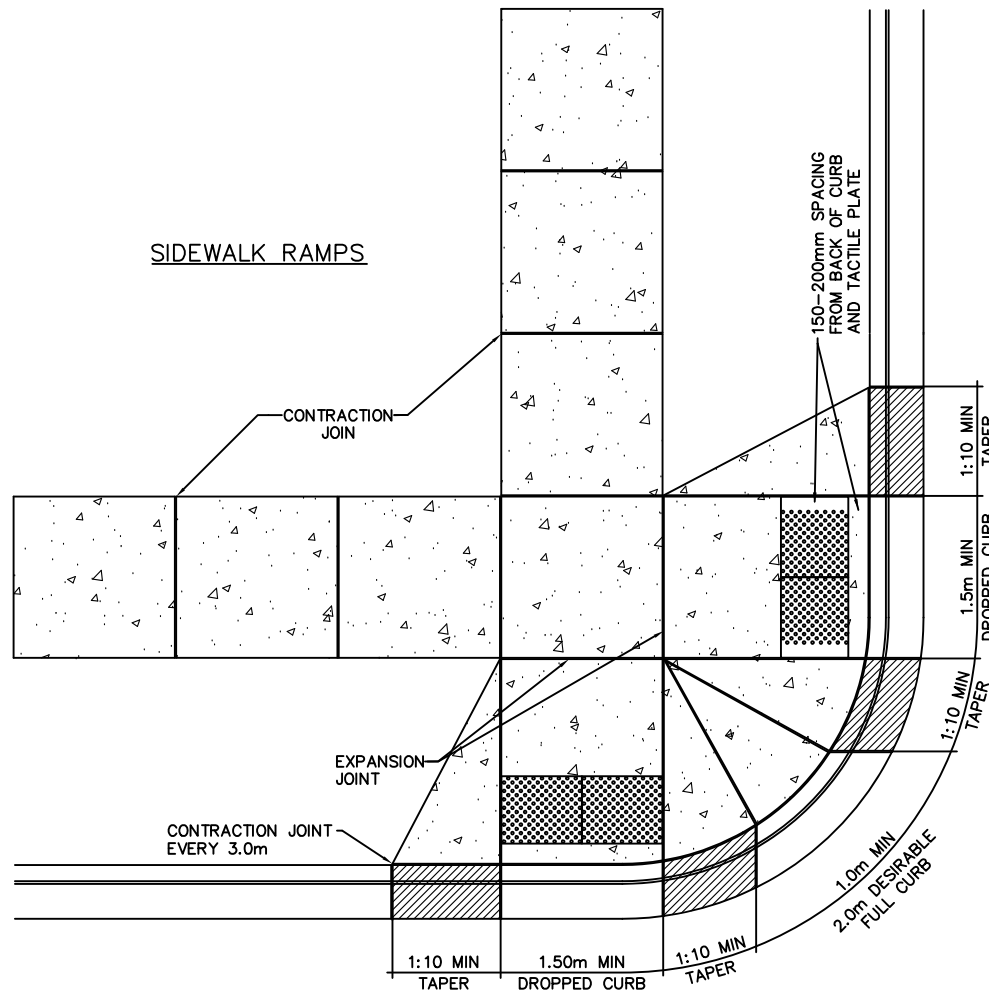


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Figure L-CS-03

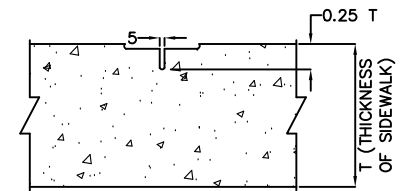
Typical Road Cross Section
33.0m R.O.W. - ARTERIAL ROAD



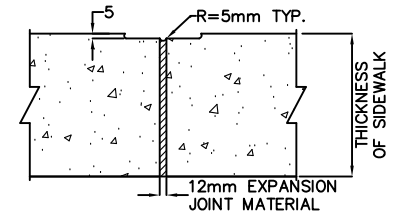
GENERAL NOTES:

1. SIDEWALK THICKNESS IN RESIDENTIAL DRIVEWAYS SHALL BE 150mm CONCRETE WITH 150mm GRANULAR 'A'.
2. AT COMMERCIAL AND INDUSTRIAL DRIVEWAYS, THE THICKNESS SHALL BE 200mm CONCRETE WITH 300mm GRANULAR 'A'.
3. SIDEWALKS ARE TO BE POURED CONTINUOUS THROUGH ALL DRIVEWAYS WITH EXPANSION JOINTS.
4. EXPANSION JOINTS, WHEN REQUIRED, WILL BE SPACED AT A MAXIMUM OF 18m.
5. CONTRACTION JOINTS TO BE SPACED AT 1500mm.
6. TACTILE PLATES TO BE PERPENDICULAR TO THE DIRECTION OF ROAD CROSSING.
7. ALL DIMENSIONS ARE IN MILLIMETERS OR METERS UNLESS OTHERWISE SHOWN.
8. CURB AT RAMP MUST BE POURED AND NOT CUT, TO ACHIEVE PROPER SLOPE.
9. RAMP ALIGNMENT AND SIZE TO BE CONFIRMED BY TOWN ENGINEER.
10. ALL SIDEWALKS AND WHEELCHAIR RAMPS ARE TO CONFORM WITH AODA STANDARDS.

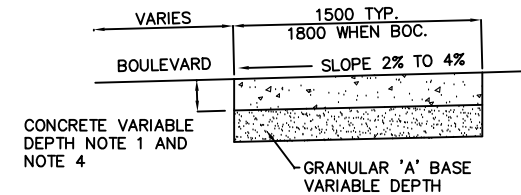
CONTRACTION JOINT



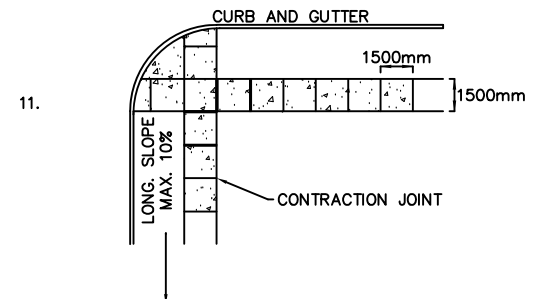
EXPANSION JOINT



TYPICAL CROSS SECTION



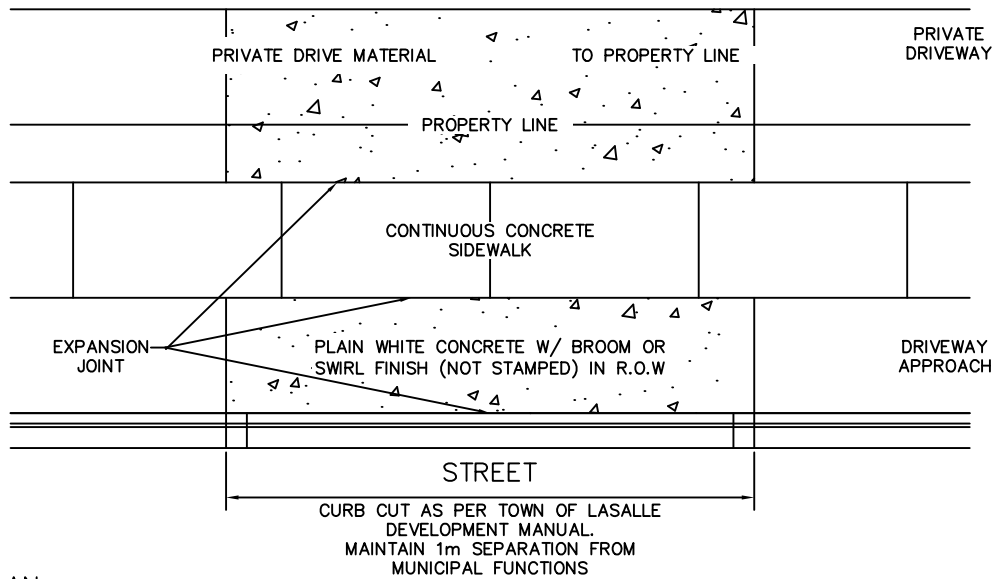
JOINT TYPE



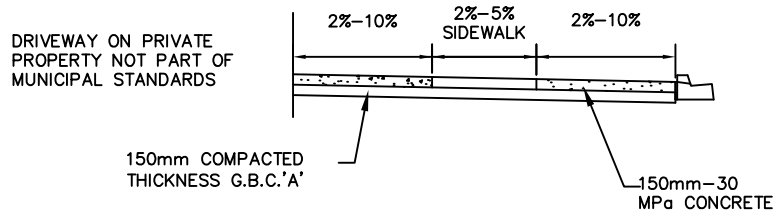
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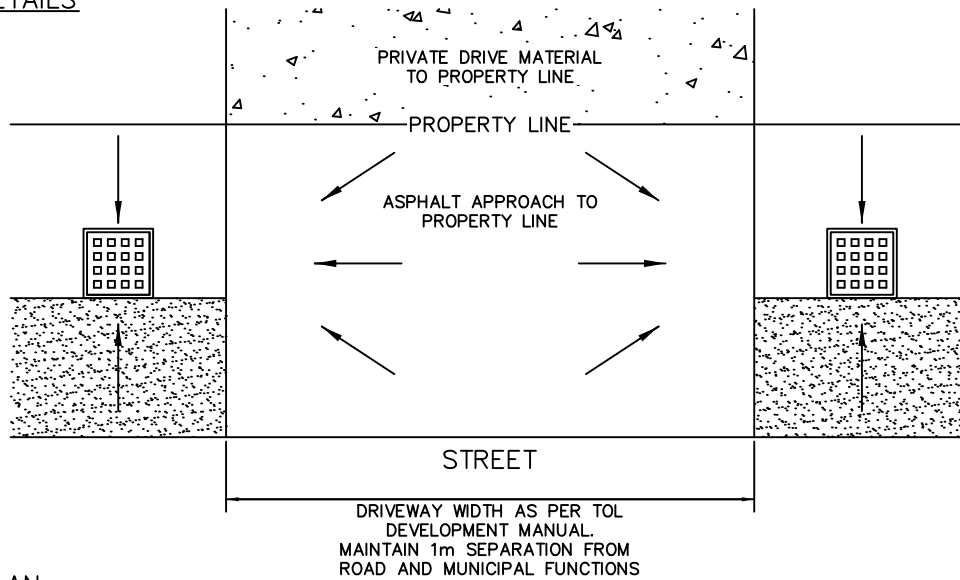
Figure L-CP-01
TYPICAL SIDEWALK CONCRETE
DETAIL



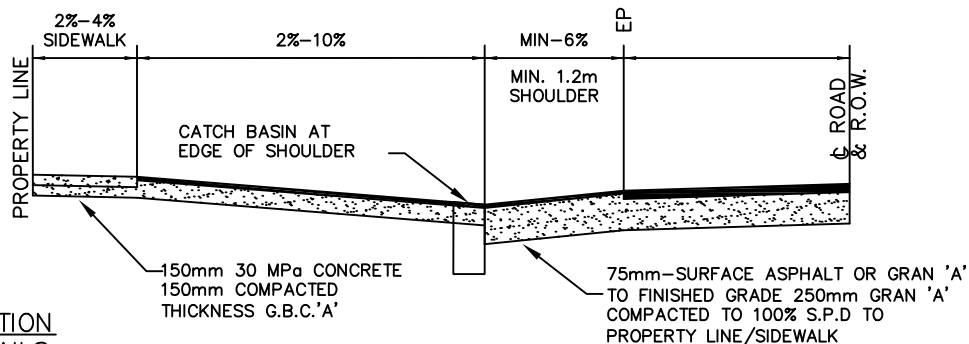
PLAN



SECTION DETAILS



PLAN



SECTION DETAILS



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Figure L-CP-02
DRIVEWAY APPROACH STANDARDS

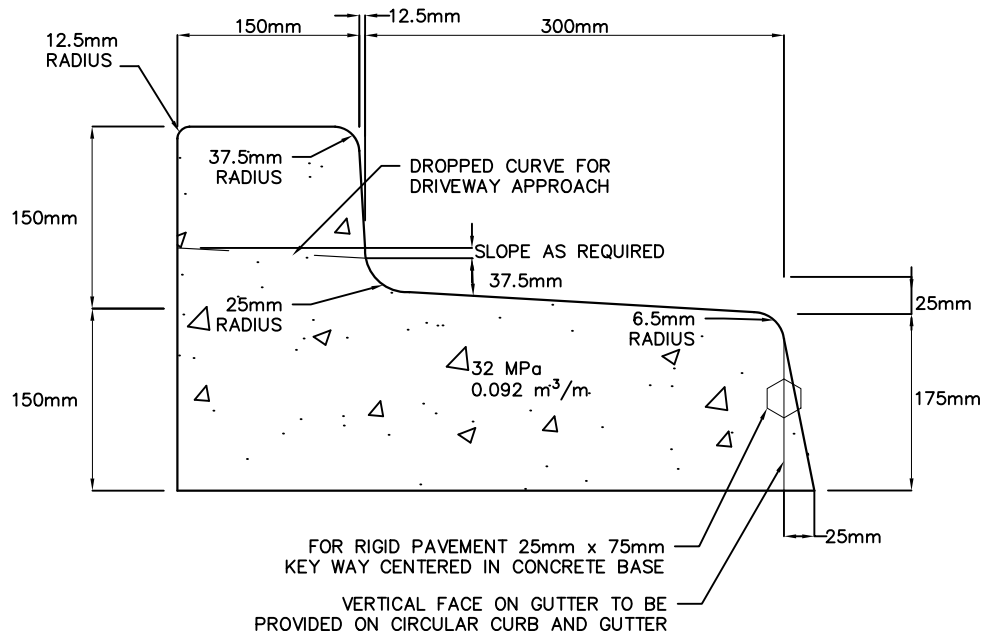
NOTES:

1. RESIDENTS REQUESTING A SECOND DRIVEWAY APPROACH MUST RECEIVE APPROVAL FROM TOWN ENGINEER.
2. DRIVEWAY APPROACH MUST NOT BE GRATER THAN 50% OF LOT FRONTAGE.
 - DEPENDING ON LOT FRONTAGE: A DRIVEWAY APPROACH MUST NOT BE LESS THAN 3.7m (12') OR GREATER THAN 9.1m (30').
3. A DRIVEWAY APPROACH MUST NOT BE WITHIN 15m (50') OF THE END OF THE RADIUS OF AN INTERSECTION.
 - PROPERTIES ON CORNER LOTS MUST PLACE THEIR DRIVEWAY APPROACH ALONG THE PROPERTY LINE FURTHEST FROM THE INTERSECTION.
4. TOP OF CURB CURB CUT MUST BE A MINIMUM OF 0.5 METERS FROM THE PROPERTY LINE.
5. NO DRIVEWAY CURBS OR FLAIRS ARE PERMITTED IN THE RIGHT-OF-WAY.
6. BOULEVARD/SHOULDER AREAS ARE NOT TO BE PAVED WITH HARD SURFACE.
7. ANY VIOLATION WILL RESULT IN THE REMOVAL OF THE DRIVEWAY APPROACH AND REINSTATEMENT OF THE CURB/BOULEVARD AREA AT THE OWNERS EXPENSE.

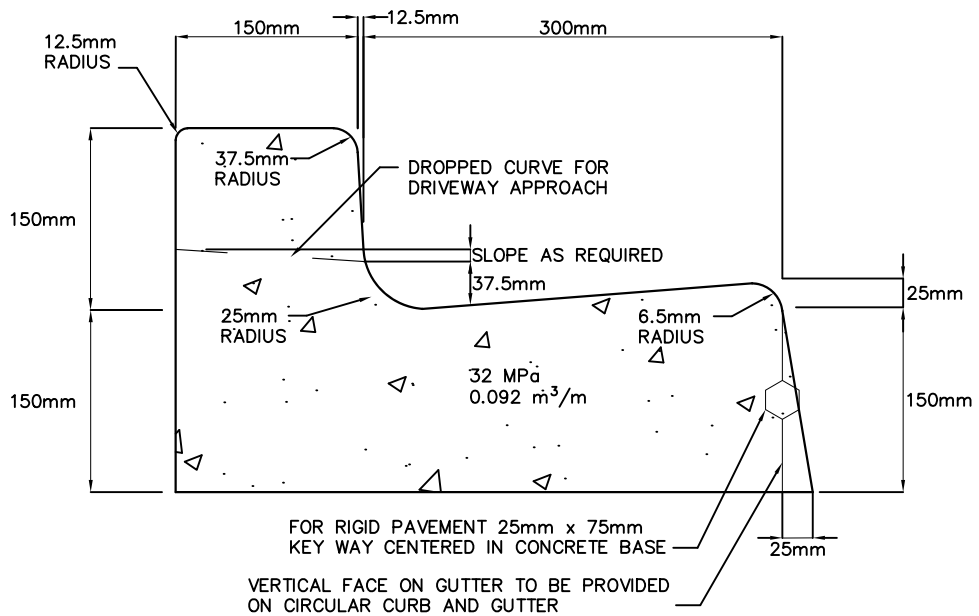


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SUPERELEVATED CURB & GUTTER



STANDARD CURB & GUTTER

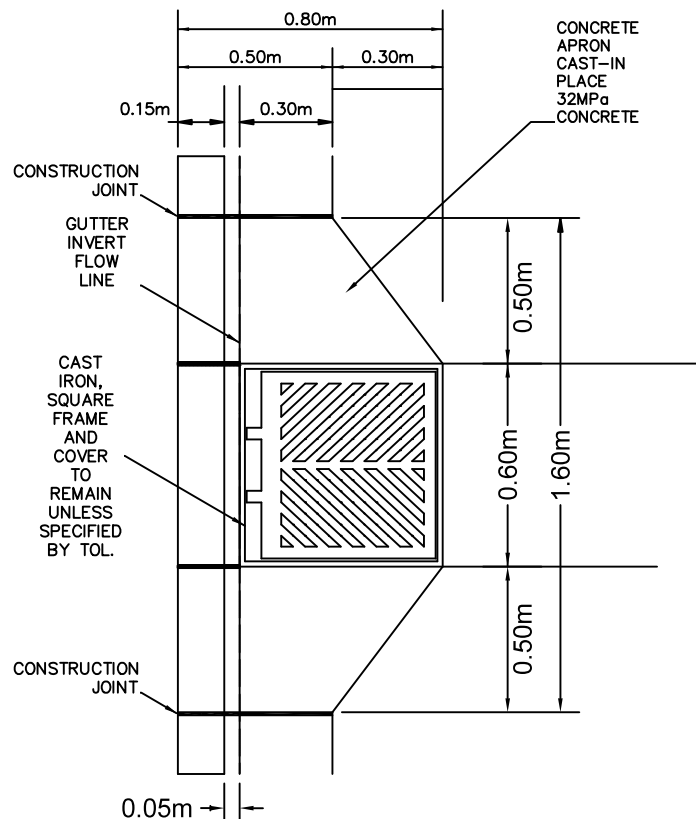


GENERAL NOTES:

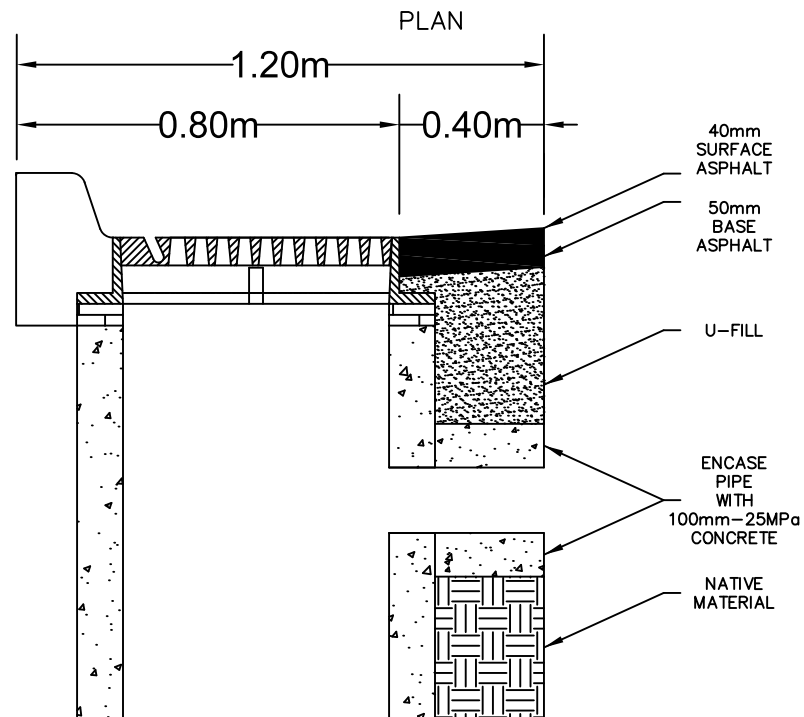
1. CONTRACTION JOINTS FOR ROAD SURFACES TO BE SPACED EVERY 3m.
2. CROSS FALL OF GUTTER SHALL CONFORM TO PAVEMENT CROSS FALL AT CATCHBASIN.
3. ALL WORK SHALL CONFORM TO TOWN OF LASALLE STANDARDS.



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1. ALL CONSTRUCTION JOINTS SHALL BE FILLED WITH FIBRE BOARD OR HOT-POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND AND JOINT FILLER.

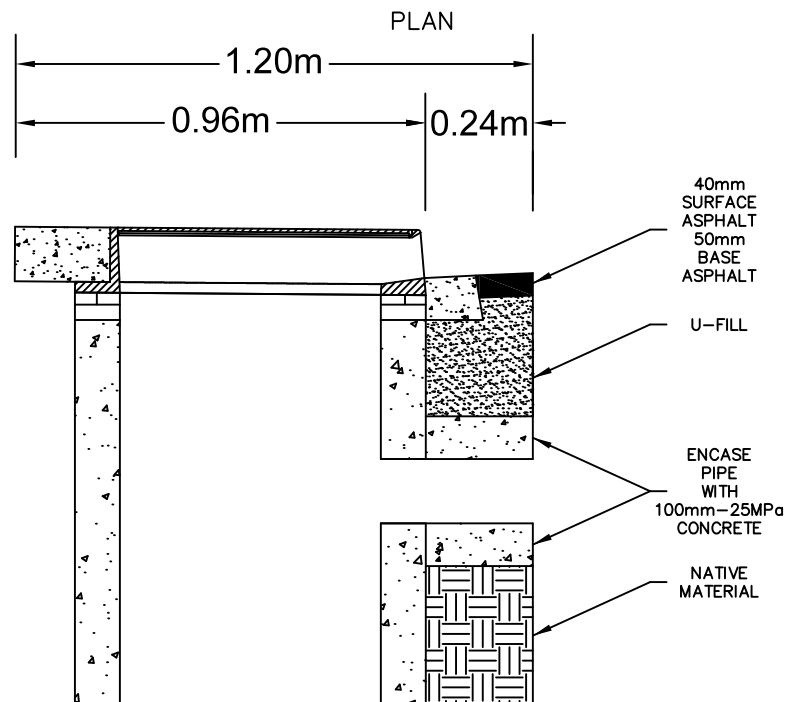
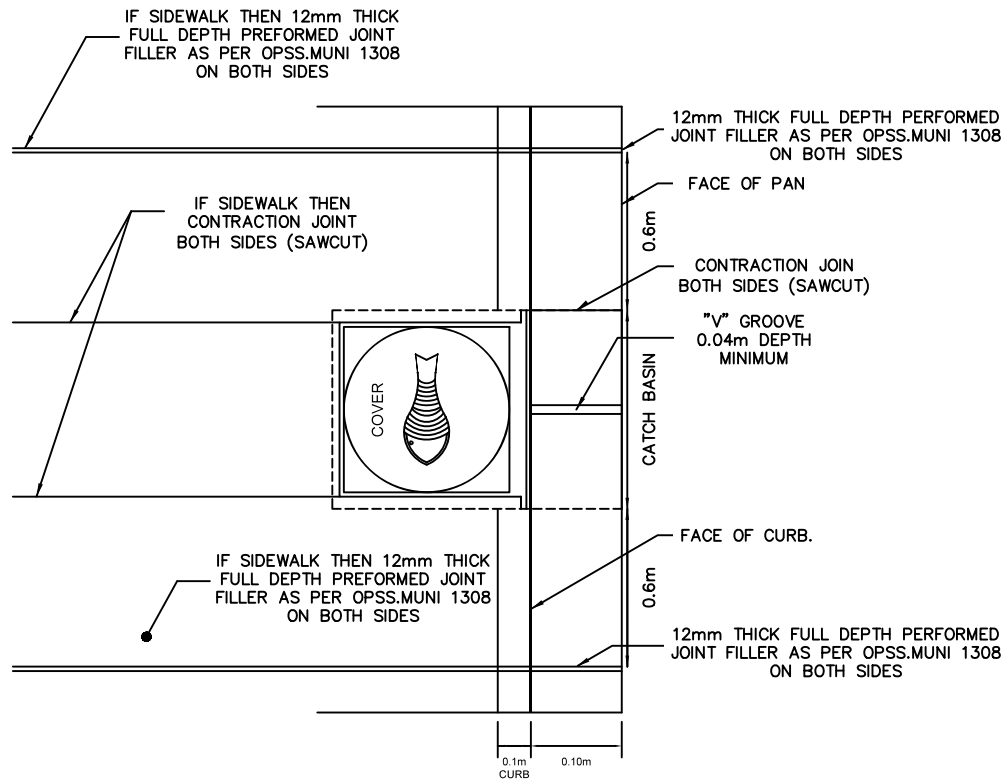


1. ADJUSTMENT UNITS: MINIMUM OF ONE, MAXIMUM OF THREE, TYP.
2. SQUARE ADJUSTMENT UNITS ARE AVAILABLE IN SIZES OF 50, 75, 100 AND 300mm.
3. FIRST ADJUSTMENT UNIT TO BE SET IN FULL MORTAR BED, TYP.
4. ADJUSTMENT UNITS MUST BE ENCASED IN CONCRETE FROM BOX OUT.

SECTION



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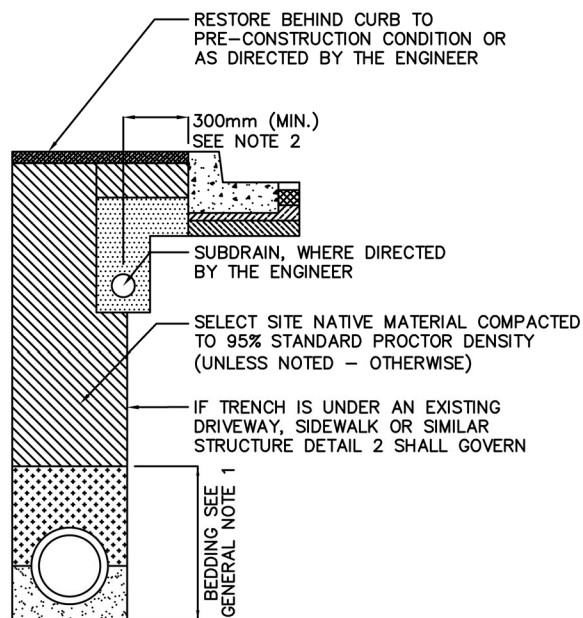


1. ADJUSTMENT UNITS: MINIMUM OF ONE, MAXIMUM OF THREE, TYP.
2. SQUARE ADJUSTMENT UNITS ARE AVAILABLE IN SIZES OF 50, 75, 100 AND 300mm.
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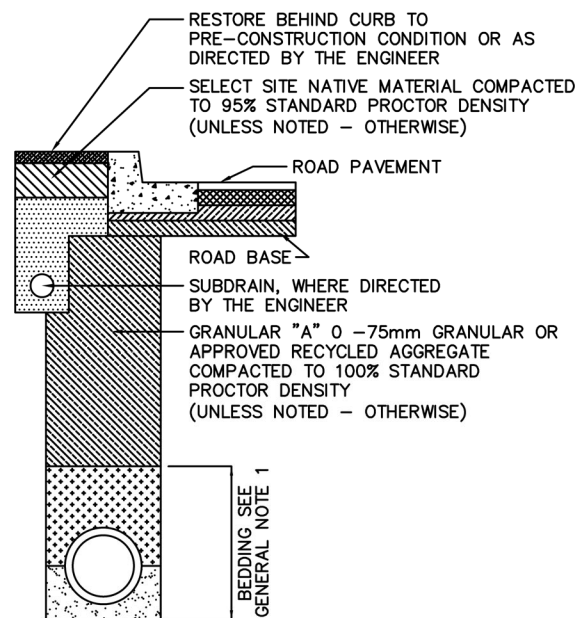
SECTION



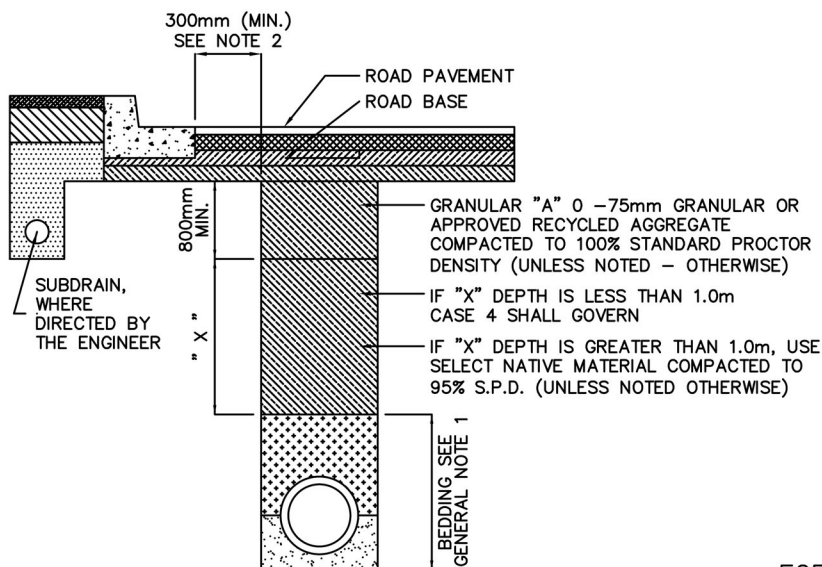
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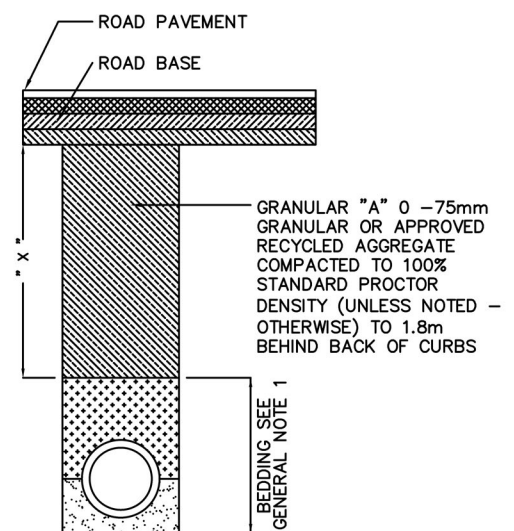
TRENCH IN BOULEVARD
CASE 1



TRENCH IN ALL OR
PARTIALLY UNDER CURB CASE 2



TRENCH UNDER ROAD
CASE 3



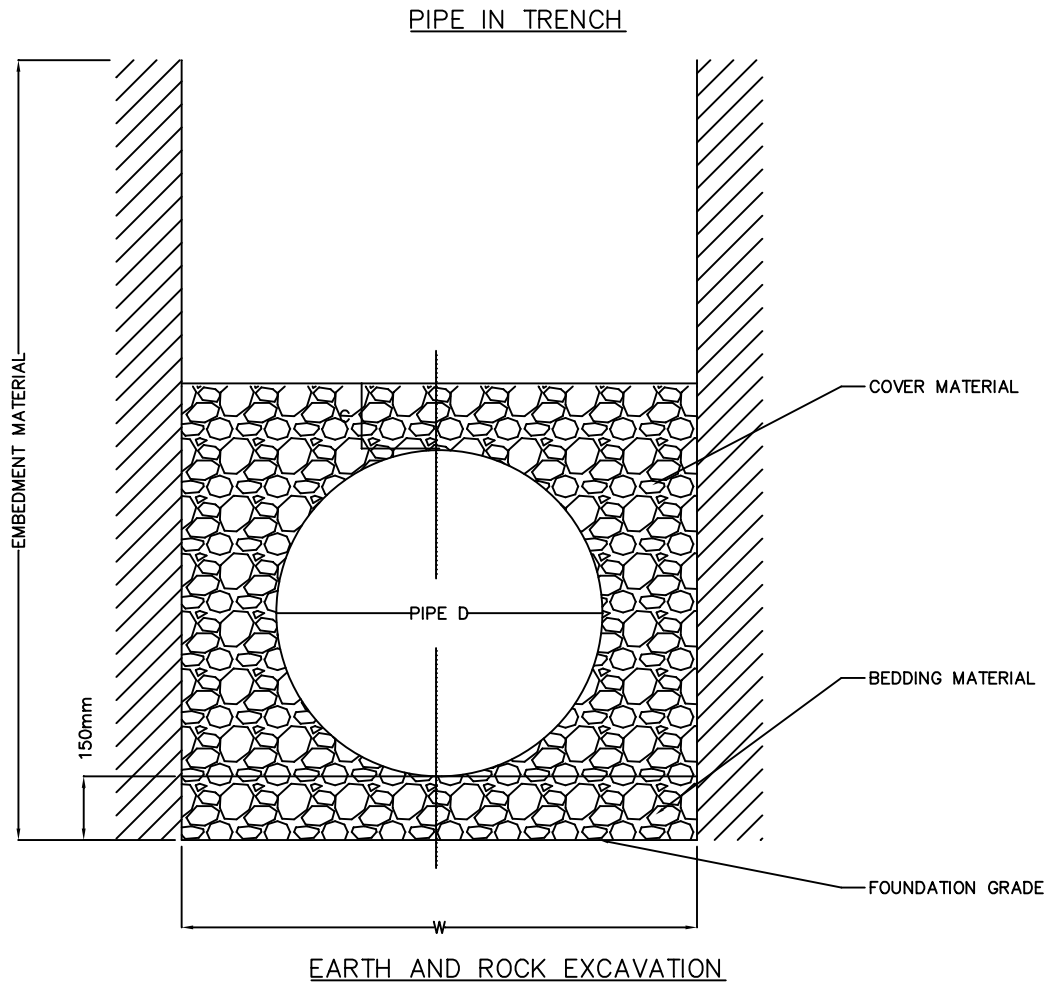
FOR TRENCHES UNDER PAVEMENTS
WHERE TRENCH IS PERPENDICULAR
(90°) TO ROAD OR IF "X" IS LESS
THAN 1m CASE 4

GENERAL NOTES:

1. FOR SEWER AND PRIVATE SEWER CONNECTION CONSTRUCTION, ALL WORK TO BE IN ACCORDANCE WITH THE TOWN OF LASALLE STANDARDS FOR ALL CASES.
2. FOR ALL CASES, IF TRENCH WALL IS CLOSER THAN 300mm FROM THE BACK OF CURB (FUTURE OR EXISTING) OR EDGE OF PAVEMENT (FUTURE OR EXISTING), IN ANY DIRECTION, THEN CASE 2 SHALL GOVERN.
3. FOR CASE 4, WHERE TRENCH CROSS PERPENDICULAR TO ROADWAY (90°) AND CROSSES UNDERNEATH EXISTING CURB, DRIVEWAY OR SIMILAR STRUCTURE EXTEND GRANULAR BACKFILL TO 1.8m (MIN.) EITHER SIDE OF STRUCTURE
4. THIS DETAIL ADDRESSES TRENCH BACKFILL ONLY, SURFACE RESTORATION SHALL BE OTHERWISE APPROVED BY THE TOWN OF LASALLE.



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GENERAL NOTES:

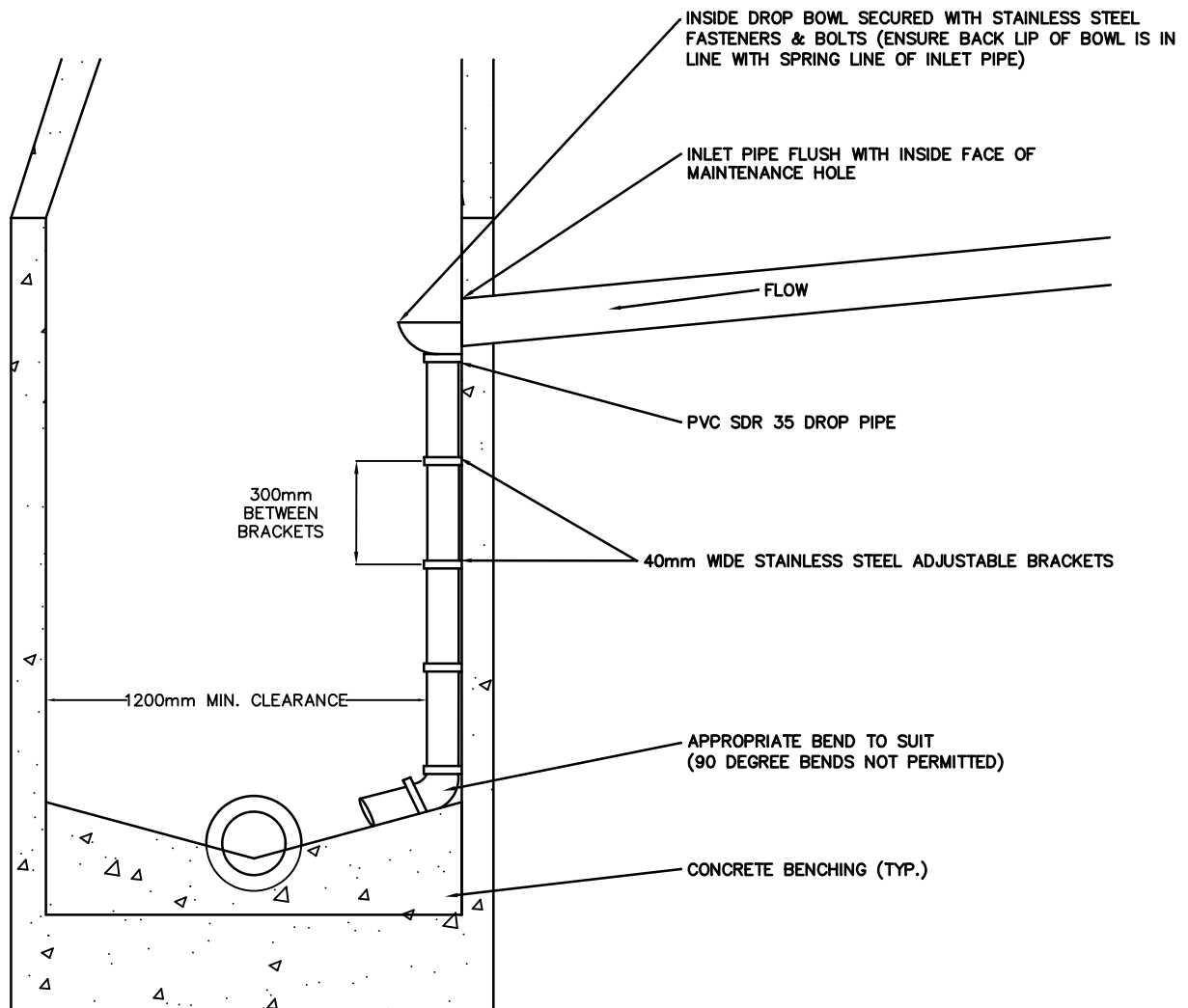
1. BACKFILL ACCORDING TO OPSD-803.04
2. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES UNLESS OTHERWISE SHOWN.
3. BEDDING MATERIAL TO BE IN ACCORDANCE WITH THE OPSD.

LEGEND:

- D - INSIDE DIAMETER
W - MINIMUM WIDTH OF BEDDING:
 $D + 800\text{mm}$ FOR $D \leq 1000\text{mm}$
 $1.67D$ FOR $1000\text{mm} < D < 1800\text{mm}$
C - PIPE DIAMETER $< 600\text{mm}$ C = 300mm
- PIPE DIAMETER $\geq 600\text{mm}$ C = $\frac{DIA.}{4} + 300\text{mm}$



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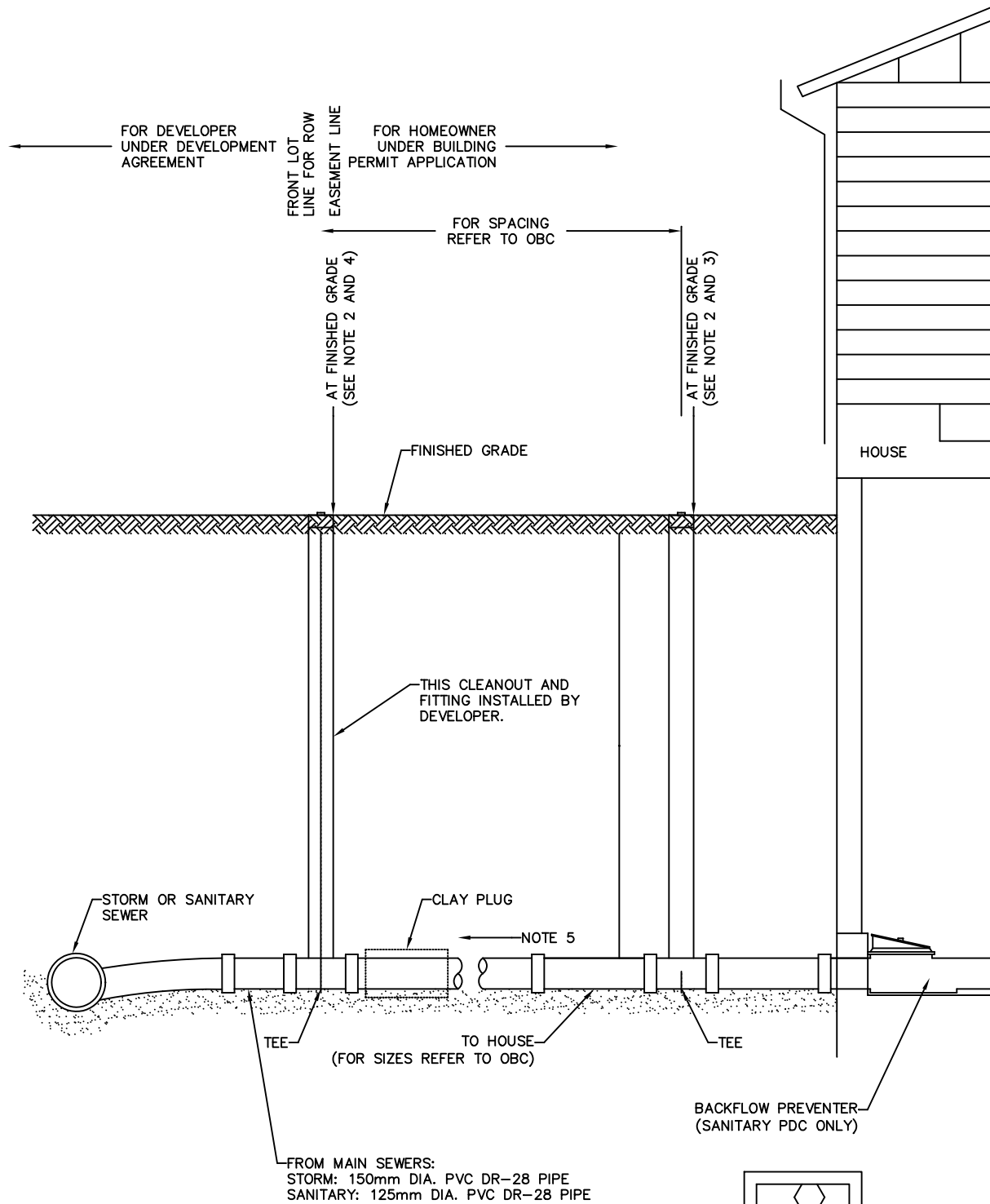


GENERAL NOTES:

1. DROP STRUCTURES ARE REQUIRED IN MAINTENANCE HOLES WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INLET AND OUTLET INVERTS ARE 600mm OR GREATER.
2. MAINTENANCE HOLE SIZE TO PROVIDE A MINIMUM 1200mm CLEARANCE FROM DROP PIPE TO MAINTENANCE HOLE WALL.
3. DROP PIPE TO BE ONE SIZE SMALLER THAN INCOMING SEWER PIPE, 250mm MINIMUM.
4. ADJUSTABLE BRACKETS TO BE SPACED AT 300mm AND DIRECTLY UNDER ANY BELL ENDS.
5. MAINTENANCE HOLE COVER MUST BE POSITIONED OVER DROP BOWL.
6. BENCHING TO INCLUDE TROUGH FOR DROP PIPE IN DIRECTION OF FLOW OF MAINLINE SEWER.



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GENERAL NOTES:

1. ALL MATERIALS TO BE IN COMPLIANCE WITH OBC AND INSTALLED AS PER MANUFACTURER RECOMMENDATION.
2. ALL CLEANOUTS TO BE VISIBLE FOR INSPECTION. DO NOT BURY.
3. CLEANOUT WITH SEWER CLEANOUT CAP AS PER OBC.
4. CLEANOUT CAP AT THIS LOCATION ONLY TO HAVE A STEEL CLEANOUT CAPS, BOTH SANITARY AND STORM.
5. MIN. SLOPE FOR SANITARY IS 2% AND MIN. SLOPE FOR STORM IS 1%.

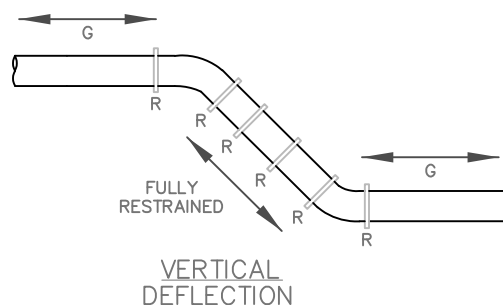
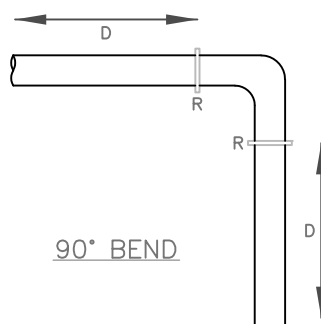
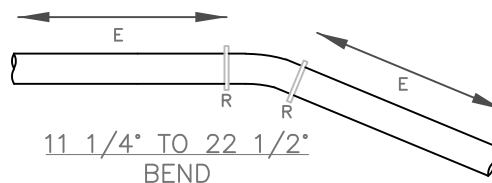
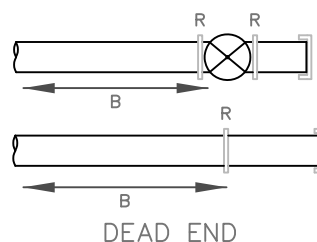
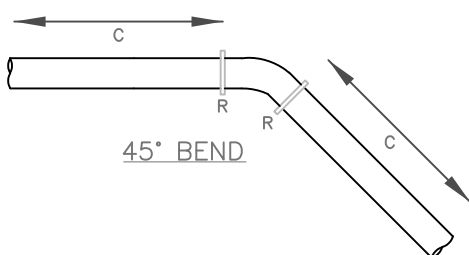
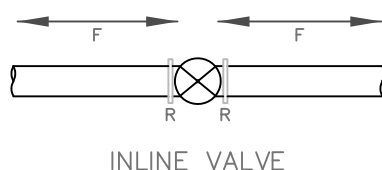
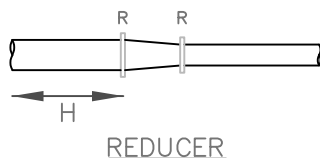
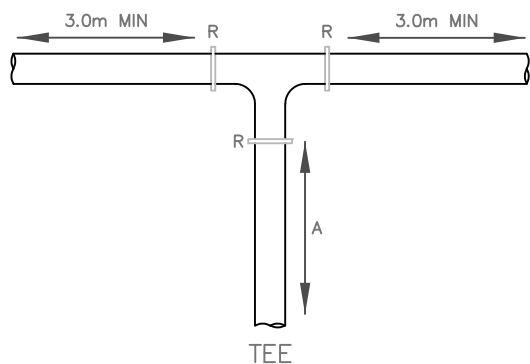


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Town of LaSalle Development Manual

Figure L-CU-06
Typical Sewer Standards
TYPICAL SEWER CONNECTION DETAIL





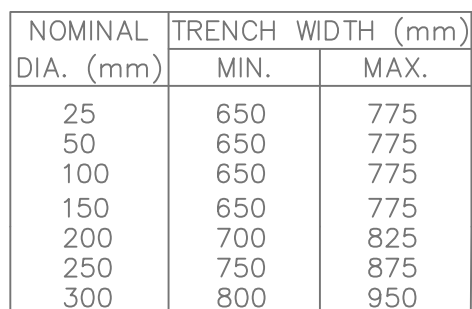
PVC PIPE THRUST RESTRAINT										
MIN. LENGTH OF PVC WM. TO BE RESTRAINED (m)										
PIPE DIA. LENGTH	100mm (4")	150mm (6")	200mm (8")	250mm (10")	300mm (12")	350mm (14")	400mm (16")	450mm (18")	500mm (20")	600mm (24")
A	0.0	0.0	3.0	6.0	9.0	12.0	15.0	18.0	21.0	27.0
B	9.0	12.0	15.0	18.0	21.0	24.0	27.0	30.0	33.0	39.0
C	3.0	3.0	3.0	6.0	6.0	6.0	6.0	6.0	9.0	9.0
D	6.0	6.0	9.0	9.0	12.0	12.0	15.0	15.0	18.0	21.0
E	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
F	3.0	6.0	6.0	9.0	9.0	12.0	12.0	15.0	15.0	18.0
G	3.0	6.0	6.0	9.0	9.0	12.0	12.0	15.0	15.0	18.0
H	0.0	6.0	6.0	6.0	6.0	6.0	12.0	12.0	12.0	12.0

NOTES:

- 'R' DENOTES RESTRAINT DEVICE.
- RESTRAINT LENGTHS BASED ON 'CL' TYPE SOIL CONDITIONS TYPICALLY FOUND AT A DEPTH OF 1.5 METERS. REFER TO ASTM D2487 FOR COMPLETE DESCRIPTION. IN AREAS WHERE SAND IS PREVALENT OR PIPE IS SITUATED BELOW WATER TABLE, RESTRAINED LENGTHS WILL BE DETERMINED BY ENGINEER.
- REDUCER DIMENSION 'H' ASSUMES ONE REDUCTION IN PIPE SIZE. IF REDUCTION IS GREATER THAN ONE PIPE SIZE, RESTRAINED LENGTH WILL BE DETERMINED BY ENGINEER.



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- ALL WATERMAINS TO BE INSTALLED AT 1.68± (0.3m) DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- USE 600mm COVER IN AREAS WHERE BACKFILL AGGREGATE SIZE EXCEEDS 19mm DIA.
- WHERE TWO WATER SERVICE PIPES ARE INSTALLED IN THE SAME TRENCH THE CLEAR DISTANCE BETWEEN THE PIPES SHALL BE 1000mm MIN.
- TRENCH WIDTH, BEDDING AND COVER FOR PIPING GREATER THAN 300mm IN DIA. SHALL BE APPROVED BY WUC.

1m MIN TO CURB
(4')

PUMPER NOZZEL TO FACE
PUBLIC ROAD OR APPD
FIRE ROUTE INSIDE
PRIVATE PROPERTY

NEW STAINLESS STEEL
BOLT TO ALLOW FOR
BRACKET INSTALLATION

CURB

TRACER WIRE

NOTE:
HYDRANT TO BE INSTALLED PLUMB

0.85m MIN.

0.6m MIN.

FINAL GRADE

3 PIECE SCREW TYPE
VALVE BOX
EXTENSION STEM REQUIRED
ON VALVE WHERE DEPTH
OF COVER EXCEEDS 2.0m.

MAX. 75mm (3")

DEPTH OF BURY VARIES

1.5m MIN (5')

C/L WATERMAIN

CONCRETE CEMENT
BLOCKS & WEDGES

FILTER CLOTH
AS DIRECTED

UNDISTURBED
SOIL

CLEAR STONE

RED TOP VALVE P.O.

CONNECT TRACER WIRE USING
3 WAY LOCKING CONNECTOR

UNDISTURBED
SOIL

NOTE 1

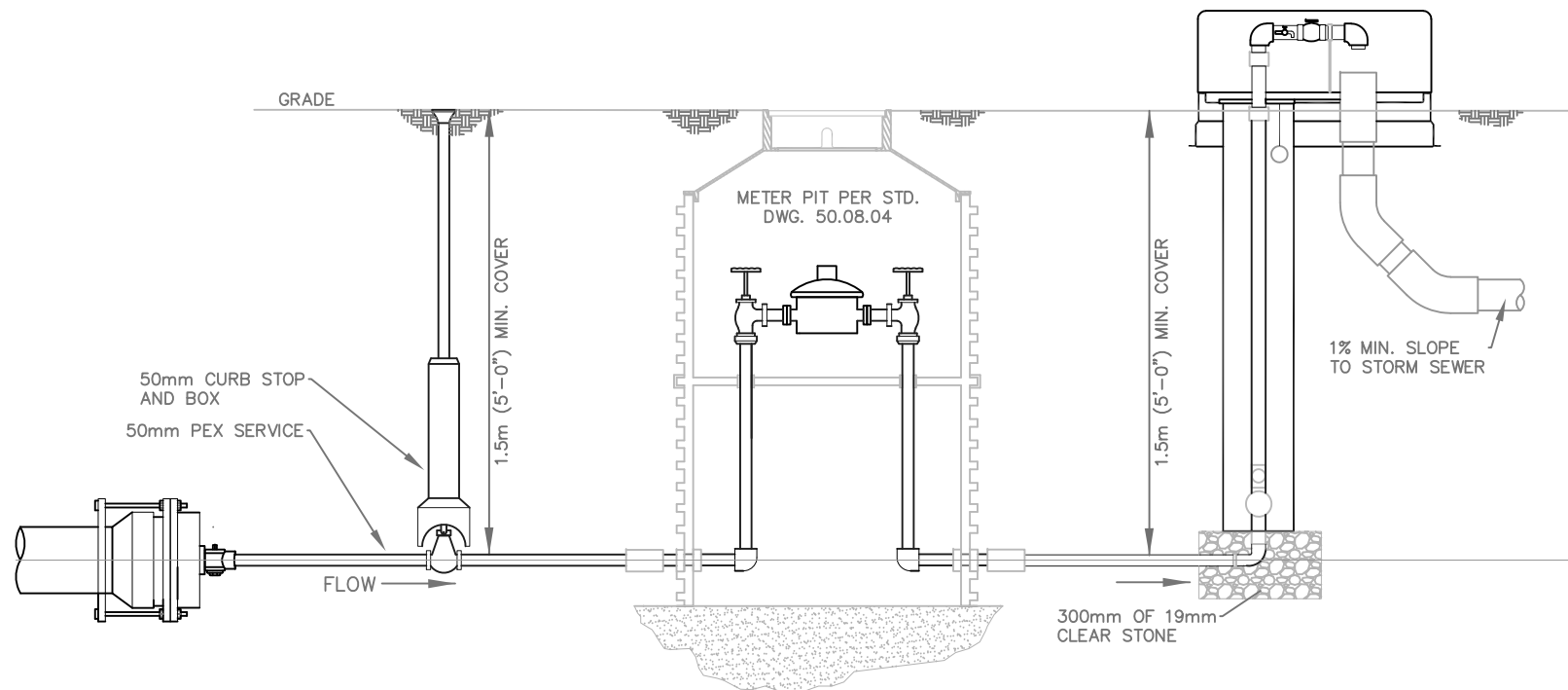
150mm DIA PVC NIPPLES

FULL SIZE CONC. BLOCKS
(450mm x 225mm)

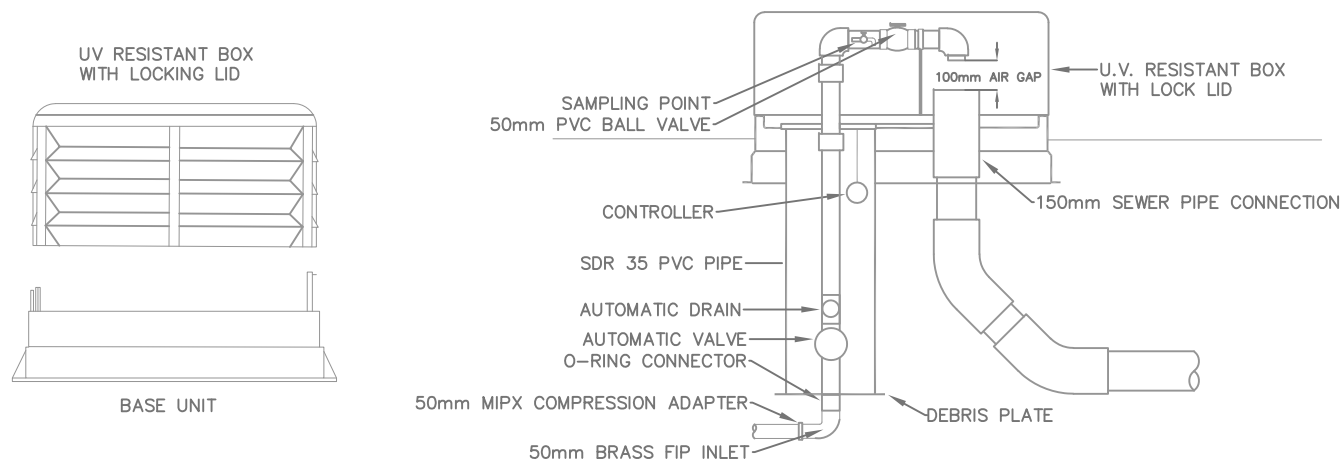
- CONFIGURATION FOR FIRE HYDRANT INSTALLATION WITH TAPPING VALVE. IN THE CASE OF FIRE HYDRANT INSTALLATION WITH TEE AND VALVE PLATED TIE RODS ARE TO BE INSTALLED WITH SAC CAPS.
- ALL HYDRANTS ON PUBLIC R.O.W SHALL BE FLOW TESTED.

Diagram illustrating the connection of a fire hydrant to a building. The hydrant is labeled "HYDRANT" and "VALVE". The connection is labeled "90°". The distance from the hydrant to the building is labeled "1m MIN TO CURB (4')". The distance from the building to the main is labeled "0.85m MIN.".





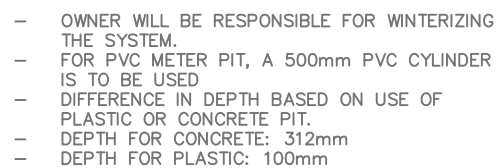
KUPFERLE ECLIPSE #9800 AUTOMATIC FLUSHING DEVICE



WATERMAIN AND WATERMAIN NETWORK SHALL BE DESIGNED SO THAT WATER SHALL NOT REMAIN UNUSED IN THE WATERMAIN FOR MORE THAN 3 DAYS UNDER AVERAGE DAY DEMAND. THE TOWN RESERVES THE RIGHT TO REQUIRE AUTOMATIC FLUSHING TO FACILITATE THE MAINTENANCE OF THE CHLORINE RESIDUAL IF NO OTHER OPTIONS ARE AVAILABLE. WATER METER PITS ARE TO BE IN ACCORDANCE WITH STANDARD DRAWING: L-WD-10.



No.	Revision Date	No.	Revision Date
1	DECEMBER 14, 2020		



		1	DECEMBER 14, 2021
No.	Revision Date	No.	Revision Date

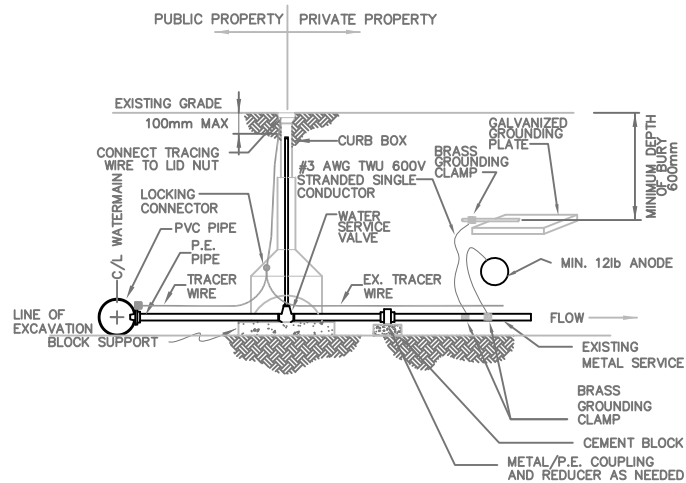
Diagram illustrating the connection of a water service line from a public property watermain to a private property building.

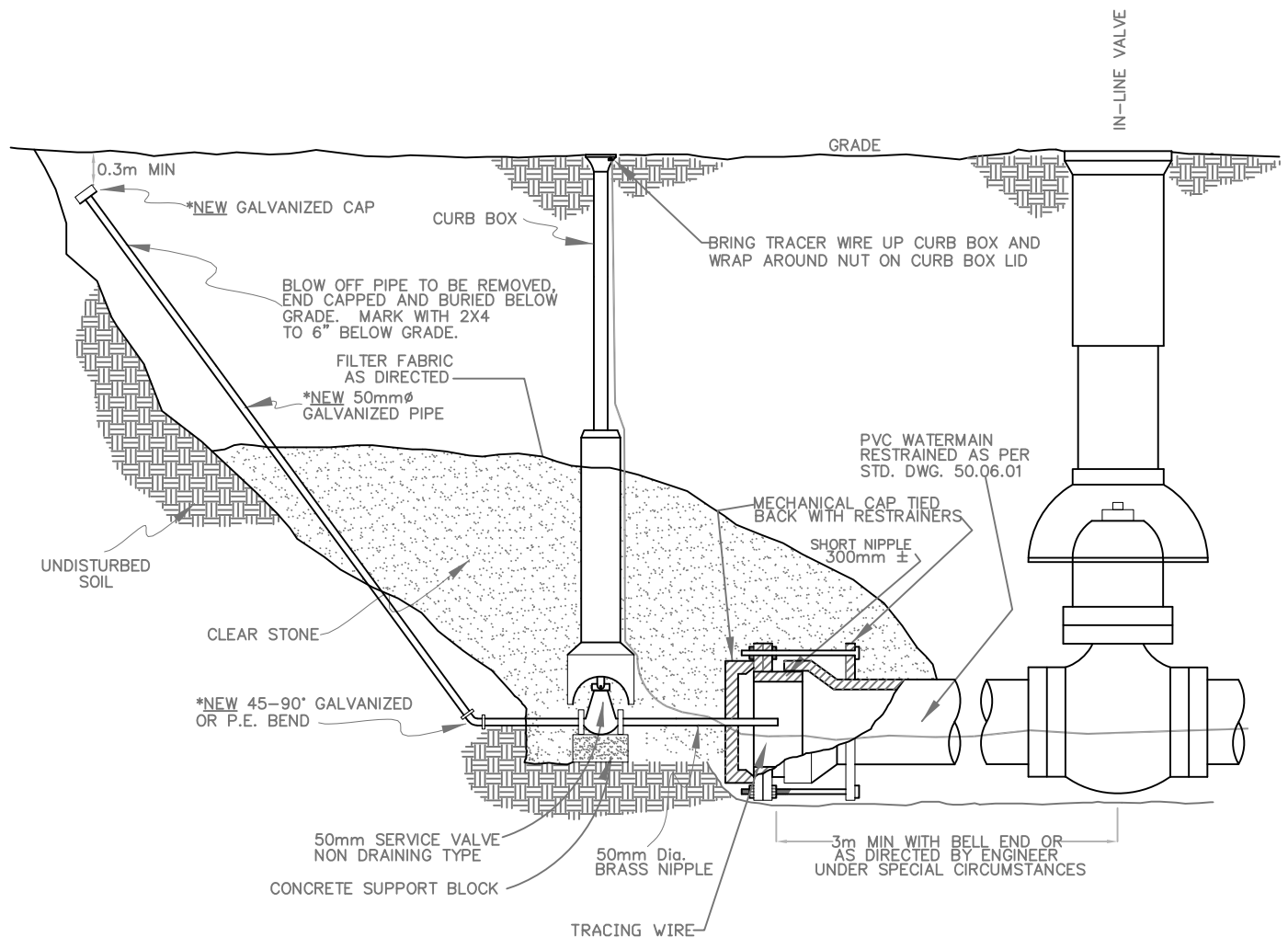
Labels and Components:

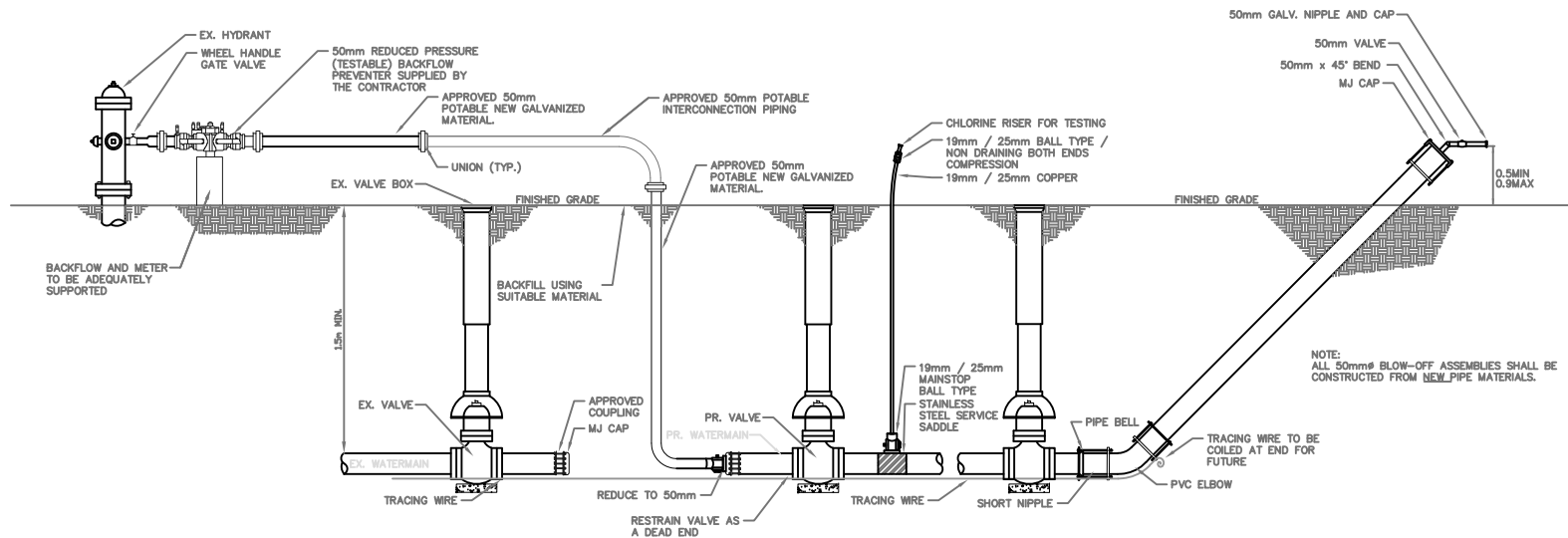
- PRIVATE PROPERTY
- PUBLIC PROPERTY
- FINISHED GRADE
- CURB BOX
- WATER SERVICE VALVE
- SAND BEDDING AROUND WSV
- MIN 25mm DIA
- BLOCK SUPPORT
- NO JOINTS ALLOWED
- EXTEND TRACER WIRE TO BUILDING
- 19mm TO 50mm TYPE 'K' COPPER OR 25mm TO 50mm P.E.
- TO BE SUITABLY SUPPORTED FROM WSV TO WATERMAIN
- CONNECT TRACING WIRE TO LID NUT
- STAINLESS STEEL OPERATING ROD
- LOCKING CONNECTOR FILTER FABRIC AS DIRECTED
- TYPE 'K' COPPER TUBE ALLOW VERTICAL GOOSE NECK IN COPPER TUBE FOR 25mm DIA ONLY
- C/L WATERMAIN
- 150mm MAX
- 45°
- CORPORATION STOP
- HARDWOOD AND CONCRETE BLOCK SUPPORT



- ## WATER SERVICE CONNECTION TO EXISTING METAL SERVICE IN PRIVATE PROPERTY



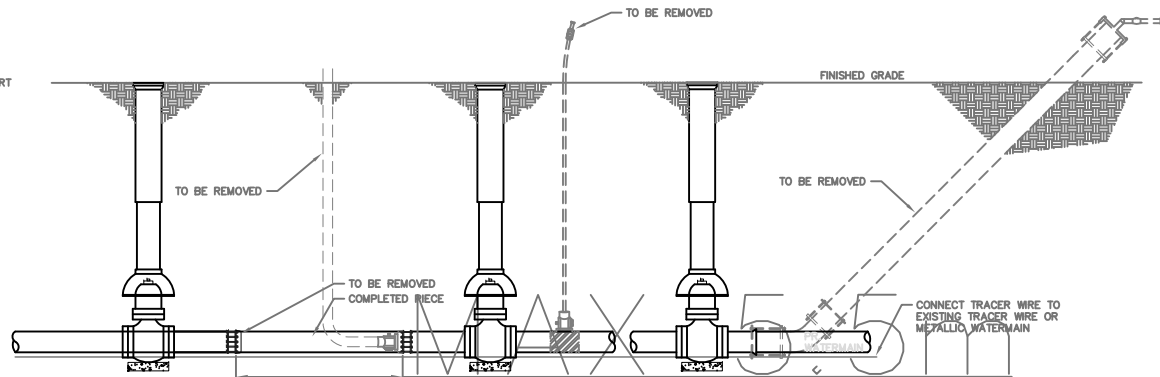




BACKFLOW PREVENTION AND FLOW METER ASSEMBLY OFF A HYDRANT

NOTE.

1. RP BACKFLOW DEVICE TO BE TESTED BY AN APPROVED TESTER AFTER INSTALLATION FOR EACH JOB WITH TEST REPORT FORWARDED TO ENWIN PRIOR TO TESTING THE WATERMANS.
2. THE REMOVAL OF BACKFLOW PREVENTION ASSEMBLY IS DONE ONLY AFTER ALL TESTS HAVE PASSED.
3. ENSURE COMPLETION PIECE IS LESS THAN 5.5m AND DISINFECTED ACCORDING TO AWWA 651-05.
4. A PHYSICAL SEPARATION MUST BE MAINTAINED AT ALL CONNECTION POINTS OF NEW WATERMANS TO THE EXISTING SYSTEMS UNTIL BACTERIOLOGICAL TESTS HAVE PASSED. A SAMPLING POINT MUST BE PROVIDED AT THE END OF EACH BRANCH OR STUB.
5. FREEZING PROTECTION MUST BE PROVIDED WHEN APPLICABLE.
6. ALL JOINTS TO BE RESTRAINED PER L-WD-02.
7. BACKFLOW ASSEMBLY TO BE LOCATED IN THE BOULEVARD.

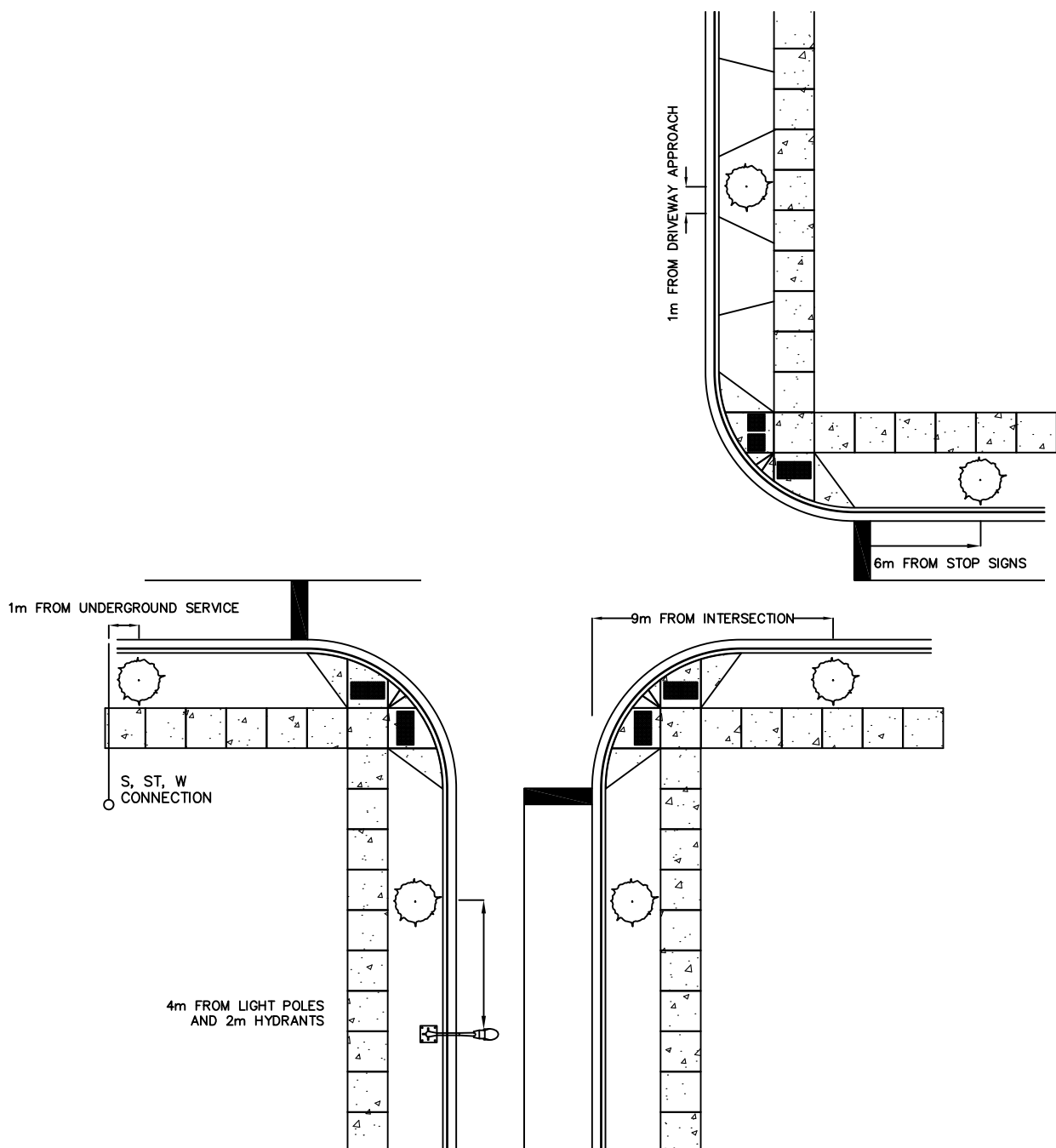


WATERMAIN COMPLETION ASSEMBLY

INTERCONNECTION	
WM SIZE	MINIMUM CONNECTION SIZE
≤ 300mm	50mm
> 300mm	100mm



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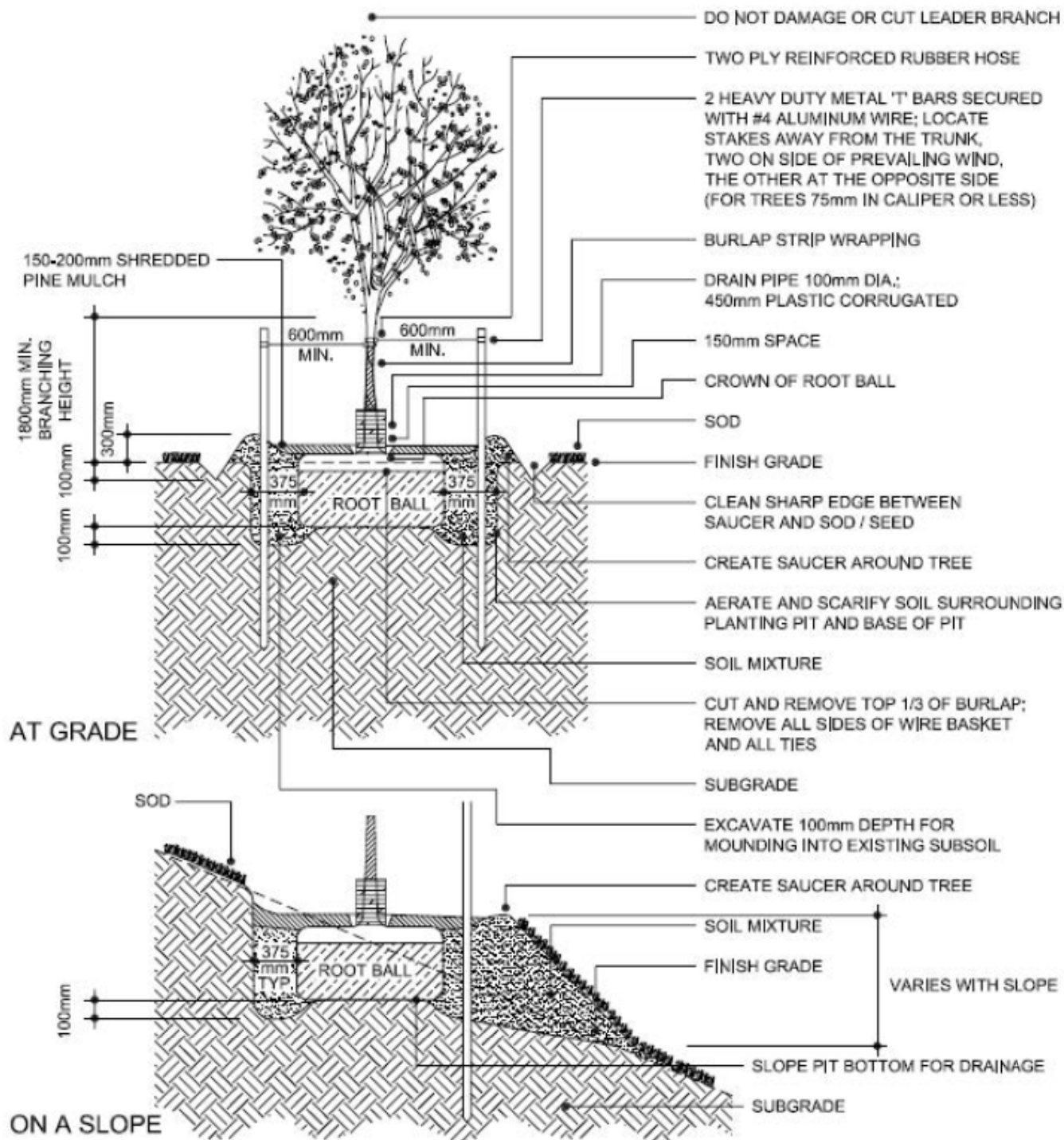


LOCATION NOTES:

- LOCATES WILL BE REQUIRED PRIOR TO CONTACTING THE TOWN.
- TREES ARE TO BE PLANTED:
 - EVERY 9m.
 - BETWEEN THE CURB AND SIDEWALK.
 - 9m FROM INTERSECTIONS; and 4m FROM LIGHT POLES AND 2m HYDRANTS.
- IF TREES ARE TO BE PLANTED BY OR UNDERNEATH OVERHANGING WIRES, ONLY TREES WITH A MATURE HEIGHT OF LESS THAN 6m MAY BE PLANTED.
- IN THE CASE OF SEMI-DETACHED HOMES:
 - IF THE DRIVEWAYS ARE ADJOINED AND THE SERVICES ARE UNDER THE DRIVEWAY, THEN THE TREES ARE TO BE PLACED ON EITHER SIDE OF THE ADJOINING DRIVEWAY.
 - IF THE DRIVEWAYS ARE NOT ADJOINED AND THERE IS NO CONFLICT WITH UNDERGROUND UTILITIES THEN THE TREES ARE TO BE PLACED ON EACH LOT LINE.



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NOTES:

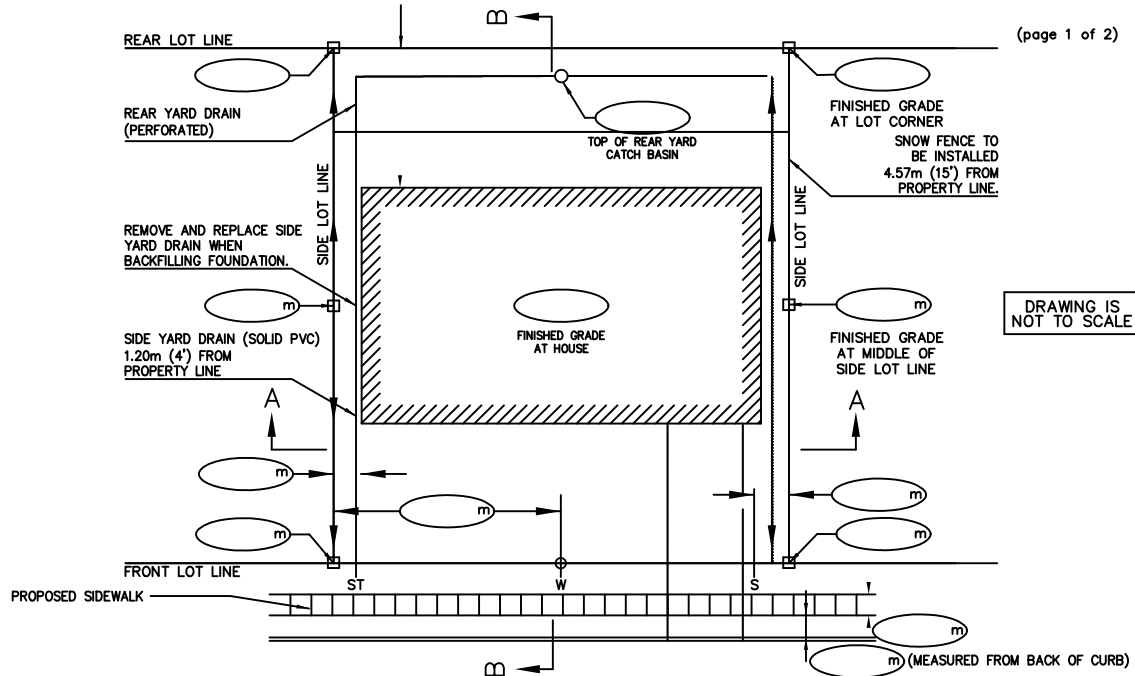
1. Do not allow air pockets when backfilling.
2. Position crown of root ball 50mm above finish grade to allow for settling.
3. Do corrective pruning to retain natural form of tree as directed by Landscape Architect.
4. For trees planted within planting or shrub beds delete saucer around base of tree.
5. All dimensions are in millimetres.
6. No tree pits shall be left open overnight.
7. Stake height shall be a minimum of 5' above finish grade.



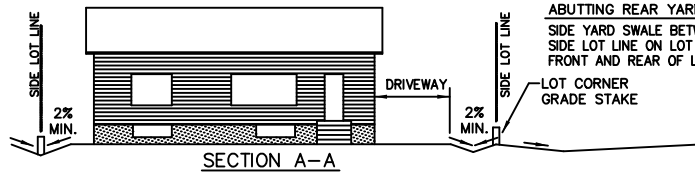
No.	Revision Date	No.	Revision Date
		1	APRIL 15, 2026



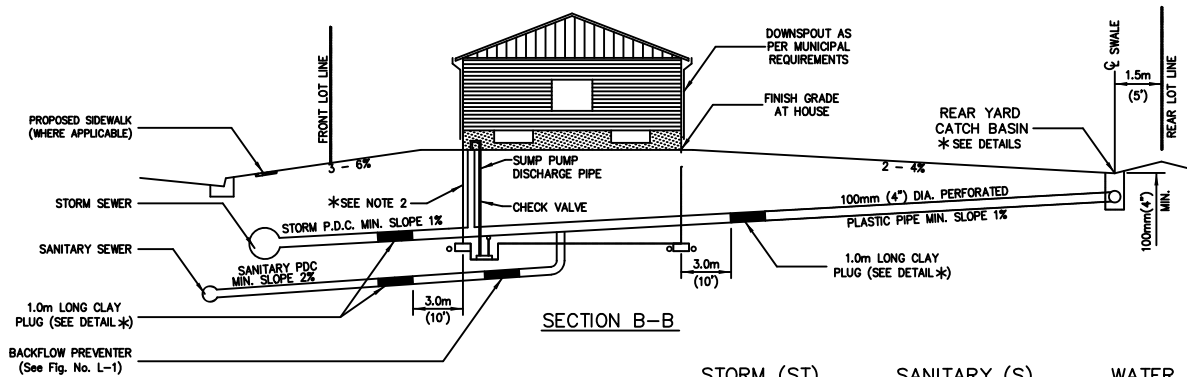
BENCH MARK	ELEVATION
BENCH MARK NORTHING	000.000m
BENCH MARK EASTING	
BENCH MARK DESCRIPTION	
ERCA MINIMUM OPENING	000.000m



ABUTTING SIDE YARD CONDITION
SIDE YARD SWALE ON SIDE LOT
LINE - GRADE TO FRONT AND
REAR OF LOT



ABUTTING REAR YARD CONDITION
SIDE YARD SWALE BETWEEN HOUSE AND
SIDE LOT LINE ON LOT - GRADE TO
FRONT AND REAR OF LOT



CONSULTANT: _____

INSPECTOR: _____

I hereby certify that, to the best of my knowledge, the grades and elevations of the land within the lot, and locations and inverts of the services are accurate and in accordance with the measurements as shown above.

SIGNED: _____

DATE: _____

	STORM (ST)	SANITARY (S)	WATER (W)
SIZE:	150mm (6") DIA.	125mm (5") DIA.	25mm (1") DIA.
MATERIAL:	PVC	PVC	PE
INVERT AT R.O.W.:	_____	_____	_____
NORTHING AT R.O.W.:	_____	_____	_____
EASTING AT R.O.W.:	_____	_____	_____

Municipal No. _____

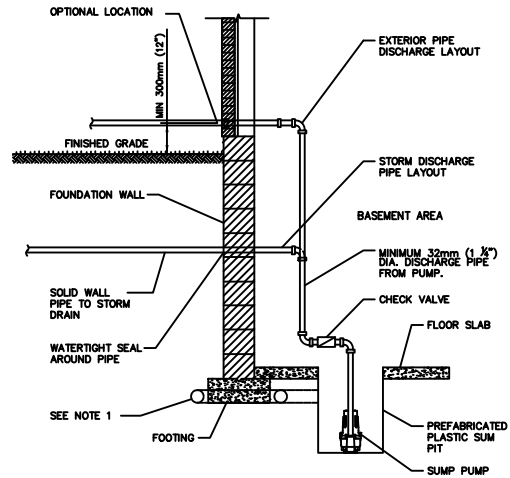
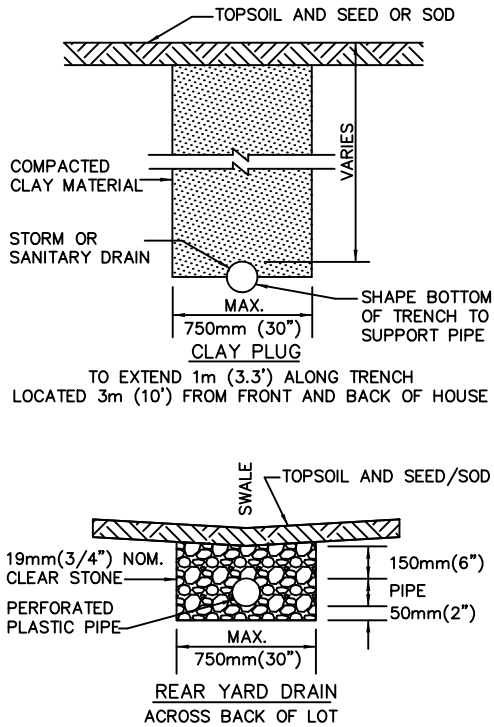
LOT _____ Plan 12 - _____ Part _____



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Town of LaSalle Development Manual

Figure L-LG-01
LOT GRADING AND SERVICE SHEET
TYPICAL LOT GRADING SHEET



NOTE:

1. PERFORATED FOOTING DRAIN WITH CROSS-OVER CONNECTED TO SUMP PIT.
2. SUPPORT PIPING TO WALL.

DRAWING IS FOR ILLUSTRATION PURPOSES ONLY.

NOTE:

THIS DETAIL APPLIES IF GROUND WATER ELEVATION IS BELOW THE FOOTING. IF NOT, PROVIDE AN ALTERNATE DESIGN PREPARED BY A PROFESSIONAL ENGINEER

2-100mm (4") DIA. INLETS
HOLE LOCATION TO SUIT
REAR YARD DRAIN



GENERAL NOTES:

1. PLACE A 38x89x1500mm LONG (2"x4"x5') WOOD STAKE AT EACH LOT CORNER AND AT SIDE YARDS ADJACENT TO HOUSE. MARK THE CUT OR FILL TO FINISHED GRADE FROM THE TOP OF STAKE ON EACH STAKE. ALL STAKES TO REMAIN IN PLACE UNTIL CHIEF BUILDING OFFICIAL APPROVES FINAL LOT GRADING.
2. SUMP PUMP DISCHARGE PIPE SHALL BE CONNECTED TO THE PRIVATE STORM SERVICE AT AN ELEVATION NOT LESS THAN 300mm (12") ABOVE FINISHED GRADE OF THE HOUSE.
3. ALL BASEMENTS MUST HAVE A SEWAGE EJECTOR PUMP.



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