Delta

2026

SCHEDULE B

SUPPLEMENTARY STANDARD DRAWINGS

CoDSMMCD

SCHEDULE B-DELTA SUPPLEMENTARY DRAWINGS AND MAPS

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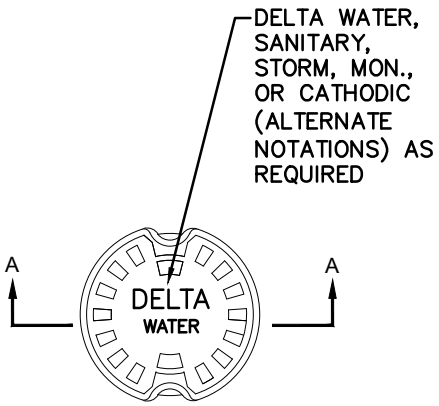
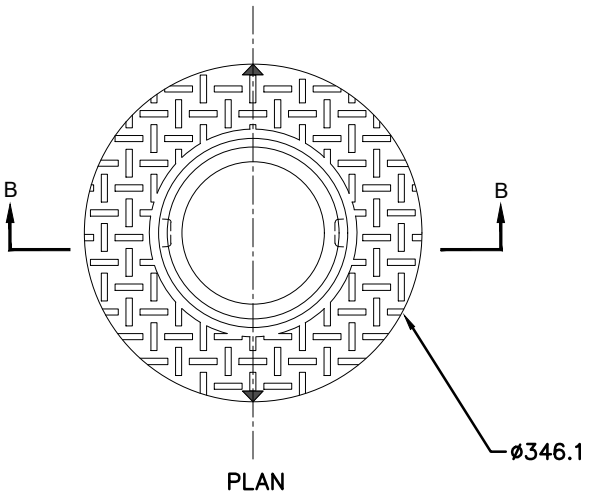


PLAN



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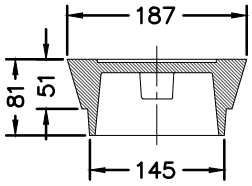
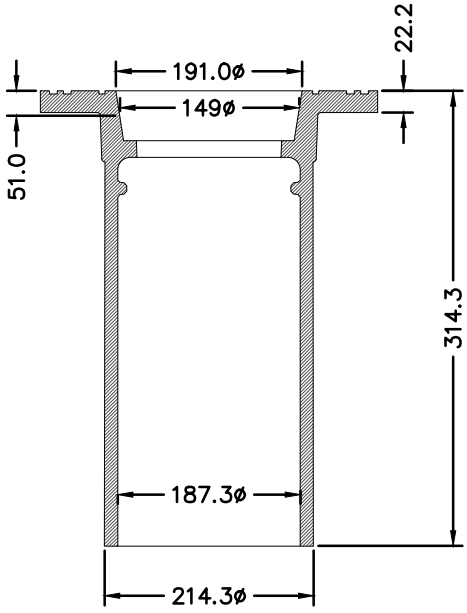


SECTION A–A

TYPICAL MR6 UTILITY VALVE BOX AND LID



SECTION B–B

TYPICAL MR6–12 UTILITY VALVE BOX AND LID

NOTE:

WATER VALVE BODY SHALL INCLUDE AN ARROW TO INDICATE THE DIRECTION OF FLOW

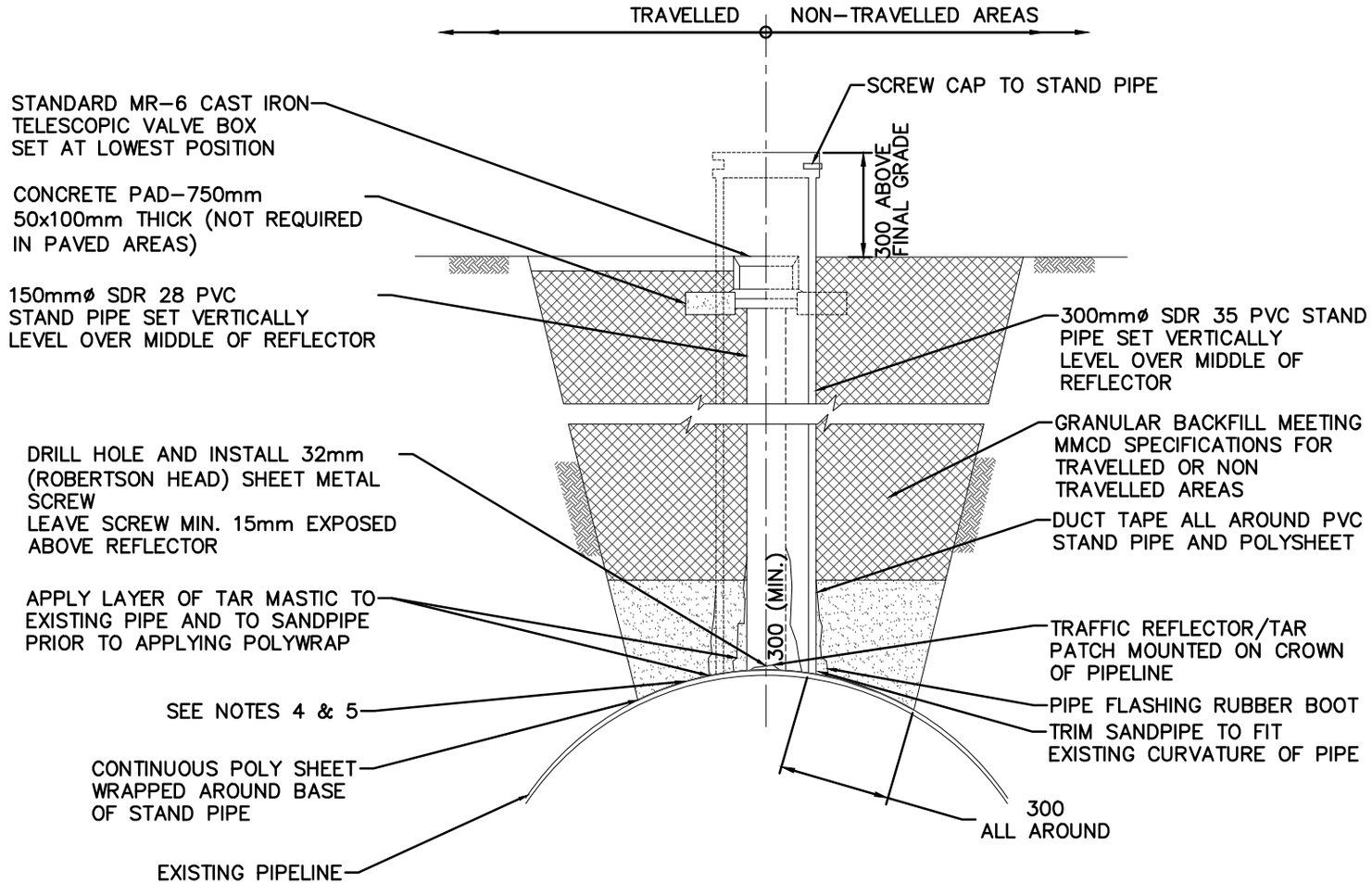
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **UTILITY VALVE BOX MR-6 & MR6-12**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-G.1
		Scale: N.T.S Date: FEBRUARY, 2026	

NOTES:

1. PIPELINE TO BE EXPOSED BY HAND TOOLS WHEN WORK IS WITHIN 0.5m.
2. WORK TO BE COORDINATED WITH CITY OF DELTA. CONTACT MIN. 72 HOURS IN ADVANCE TO ARRANGE FOR INSPECTION.
3. ANY DAMAGE TO PIPELINE TO BE REPAIRED TO CITY OF DELTA STANDARDS AS NOTED IN THE ENGINEERING DESIGN CRITERIA.
4. FOR COAL TAR OR POLYURETHANE COATED STEEL LINES.
   a. CLEAN EXISTING LINE (REMOVE ANY PAPER
   b. HEAT EXISTING TAR AND TAR PATCH THOROUGHLY
   c. APPLY TAR PATCH TO SET REFLECTOR TO CROWN OR PIPE.
5. FOR CONC/PVC/AC LINES:
   d. CLEAN EXISTING SURFACE
   e. USE APPROPRIATE EPOXY TYPE ADHESIVE TO SET REFLECTOR ON CROWN OR PIPE.
6. SANDBAGS MAY BE USED TO KEEP PVC PIPE IN PLACE DURING BACKFILLING.

SPECIFIC NOTES APPLY

ALL NOTES APPLY



No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TYPICAL PVC SETTLEMENT GAUGE DETAIL**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

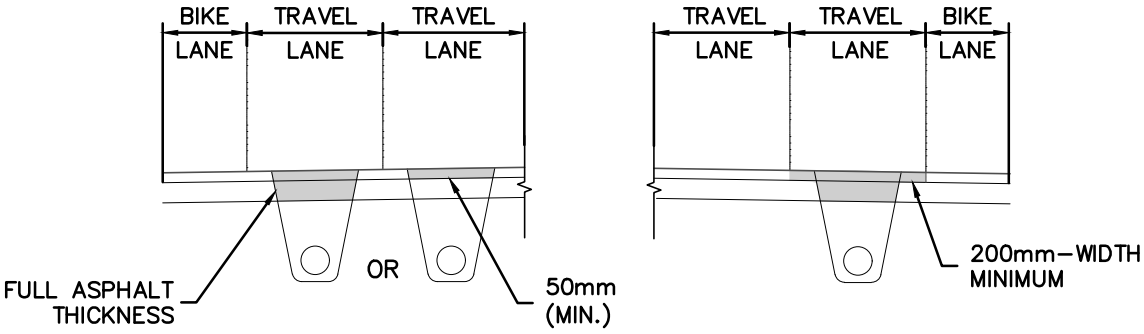
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

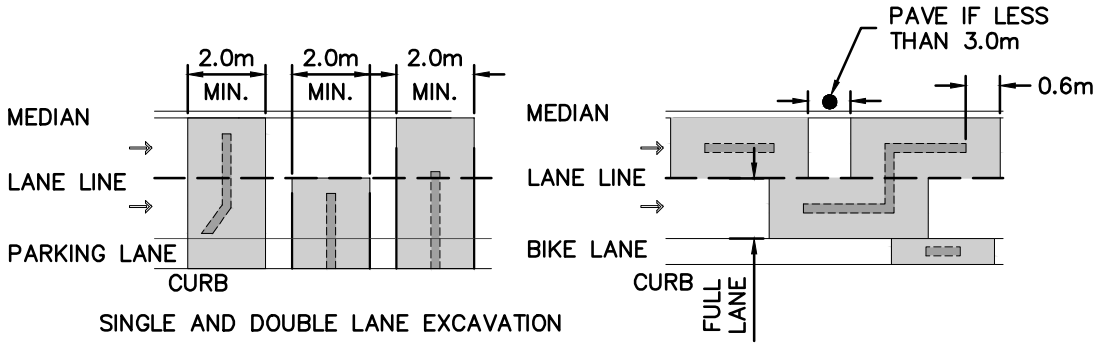
DRAWING NUMBER

DSD-G.2



TEMPORARY RESTORATION

PERMANENT RESTORATION



SINGLE AND DOUBLE LANE EXCAVATION

PERPENDICULAR CUTS
(PERMANENT RESTORATION)

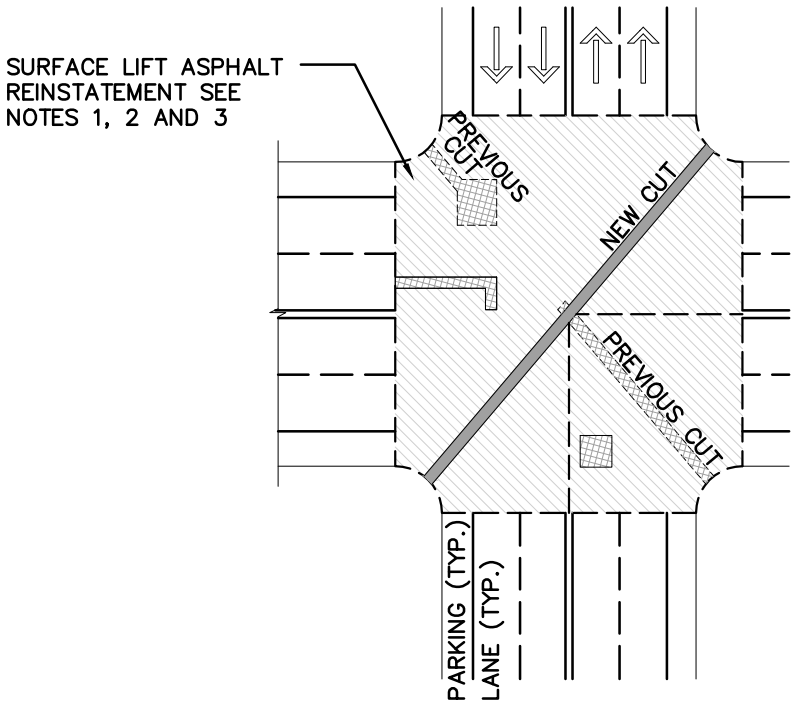
SINGLE AND DOUBLE LANE EXCAVATION

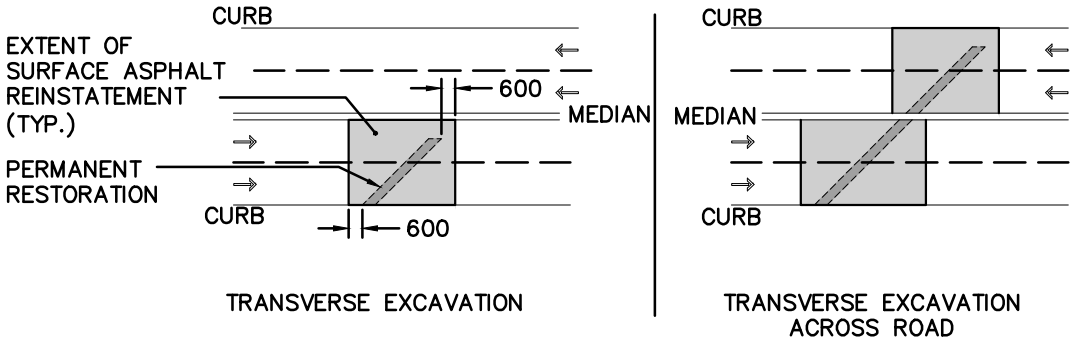
PARALLEL CUTS
(PERMANENT RESTORATION)

NOTES:

1. TEMPORARY PATCH CAN REMAIN; PROVIDED TESTS AND INSPECTIONS CONFIRM THE WORK IS COMPLETED IN ACCORDANCE WITH MMCD (2019) SECTIONS 31.23.01 AND 32.12.16.
2. PERMANENT REPAIR MUST BE COMPLETED WITHIN 60 DAYS, WEATHER PERMITTING.
3. IF EXISTING THICKNESS IS LESS THAN 70mm, THEN FULL DEPTH MILL WILL BE REQUIRED FOR FULL LANE WIDTH.
4. IF THE ROAD HAS NO PAVEMENT MARKINGS, THEN EXTENT OF PAVING WILL BE TO EDGE OF PAVEMENT.
5. OVERLAY MUST COVER FULL LANE WIDTH, FROM LANE LINE TO LANE LINE. IF PAVEMENT CUT STRADDLES TWO LANES, THEN PAVE BOTH LANES.
6. IF THE CUT AREA (EXISTING AND NEW) ON A QUARTER OF THE INTERSECTION IS 50% PERMANENT RESTORATION OR MORE BY AREA, THEN THE ENTIRE AFFECTED QUARTER MUST BE PAVED, OTHERWISE PAVE FULL LANE ENTIRE WIDTH.
7. REFER TO ROAD CROSS SECTION DRAWINGS FOR STANDARD ROAD STRUCTURE SECTION.
8. LAP JOINTS TO BE MIN. 200mm WIDTH.
9. WHERE THE NUMBER OF CUTS EXCEEDS 2 IN ANY 40m LENGTH OF ROAD, THE ENTIRE WIDTH OF THE TRAVEL LANE(s) AFFECTED SHALL BE OVERLAID FOR THE SUBJECT ROAD LENGTH.
10. FOR CURBS, WHERE THE NUMBER OF CUTS EXCEEDS 2 BETWEEN EXPANSION JOINTS, THE ENTIRE LENGTH OF CURB AND GUTTER SHALL BE REMOVED AND REPLACED.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **TRENCH CUTS**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-G.3
		Scale: N.T.S Date: FEBRUARY, 2026	





TRANSVERSE EXCAVATION

TRANSVERSE EXCAVATION ACROSS ROAD

NOTES:

1. IF THE CUT AREA (EXISTING AND NEW) ON A QUARTER OF THE INTERSECTION IS 50% PERMANENT RESTORATION OR MORE BY AREA, THEN THE ENTIRE AFFECTED QUARTER MUST BE PAVED.
2. IF CUT IMPACT AREA (EXISTING AND NEW) IS LESS THAN 50% OF ANY INTERSECTION QUARTER BUT MORE THAN 35% OF ENTIRE INTERSECTION THEN PAVING THE ENTIRE INTERSECTION IS REQUIRED.
3. SURFACE ASPHALT RESTORATION INVOLVES MILL/OVERLAY TO DEPTH OF UPPER COURSE ASPHALT AS NOTED ON ROAD CROSS SECTION DRAWINGS.
4. RESTORATION OF ASPHALT OR CONCRETE CORES UP TO 200mm DIAMETER SHALL INVOLVE FILLING THE CORED AREA WITH NON-SHRINK, HIGH STRENGTH GROUT AND ENSURING THAT THE FINAL SURFACE IS FLUSH WITH SURROUNDING GROUND.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **IRREGULAR & DIAGONAL CUTS**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-G.4
		Scale: N.T.S Date: FEBRUARY, 2026	

CITY OF Delta | ENGINEERING

CAPITAL WORKS

TITLE: [FILL IN INFO]

CONTRACT No.: [FILL IN INFO]

LOCATION: [FILL IN INFO]

DURATION: [FILL IN INFO]

EXPECT TRAFFIC DELAYS

FROM 7:00 AM TO 7:00 PM, MONDAY TO FRIDAY

PRIME CONTRACTOR

[FILL IN INFO]

[FILL IN INFO]

CITY OF DELTA

604-946-3260

MATERIALS

1. BACKING: 1220 X 1220 X 20 ALL WEATHER BOARD
2. LETTERING: BLACK ON ORANGE BACKGROUND. ALL MATERIAL TO BE 3M SCOTCHLITE ENGINEER GRADE.
3. SIGNAGE TO BE POSTED ON MUNICIPAL PROPERTY @ A MIN. HEIGHT OF 2000mm TO THE BOTTOM OF THE SIGN
4. SIGNAGE TO BE POSTED @ ALL APPROACHES TO THE CONSTRUCTION ZONE.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **CAPITAL WORKS TRAFFIC SIGN BOARD**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

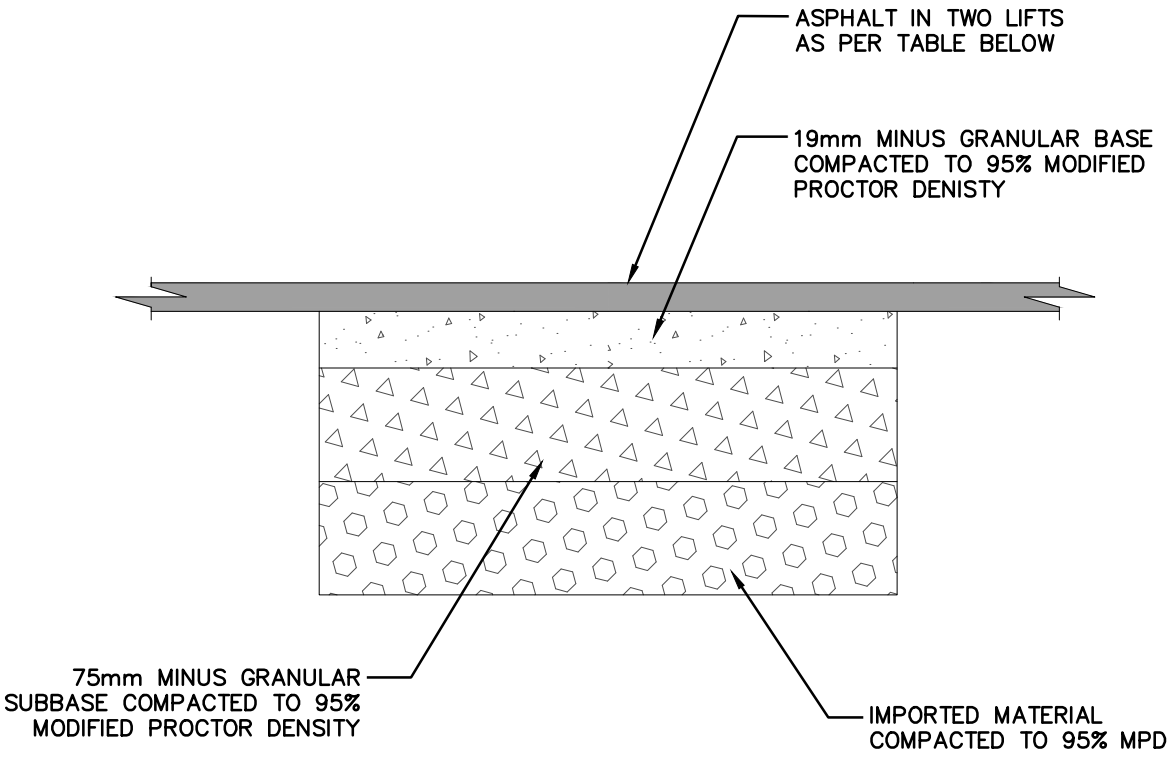
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-G.5



	UPPER COURSE ASPHALT	LOWER COURSE ASPHALT	BASE COURSE (min.)	SUB–BASE COURSE (min.)
ARTERIALS AND INDUSTRIALS	50mm UPPER COURSE 1	75mm LOWER COURSE 1	150mm 19mm CRUSHED GRANULAR BASE	300mm 75mm CRUSHED GRANULAR SUBBASE
COLLECTORS AND RURALS	40mm UPPER COURSE 1	60mm LOWER COURSE 1	100mm 19mm CRUSHED GRANULAR BASE	300mm 75mm SELECT GRANULAR SUBBASE
LOCAL ROADS	35mm UPPER COURSE 2	50mm LOWER COURSE 2	100mm 19mm CRUSHED GRANULAR BASE	300mm 75mm SELECT GRANULAR SUBBASE
LANES	35mm UPPER COURSE 2	50mm LOWER COURSE 2	100mm 19mm CRUSHED GRANULAR BASE	300mm 75mm SELECT GRANULAR SUBBASE

NOTES:

1. REFER TO CONTRACT DOCUMENT MMCD SECTIONS 31 23 01, 32 12 16 AND 32 12 17 FOR SPECIFICATIONS.

No.	Revision	Approved

All Dimensions Shown In Millimetres,
Unless Otherwise Noted

Title : **STANDARD ROAD STRUCTURE SECTIONS**

Delta

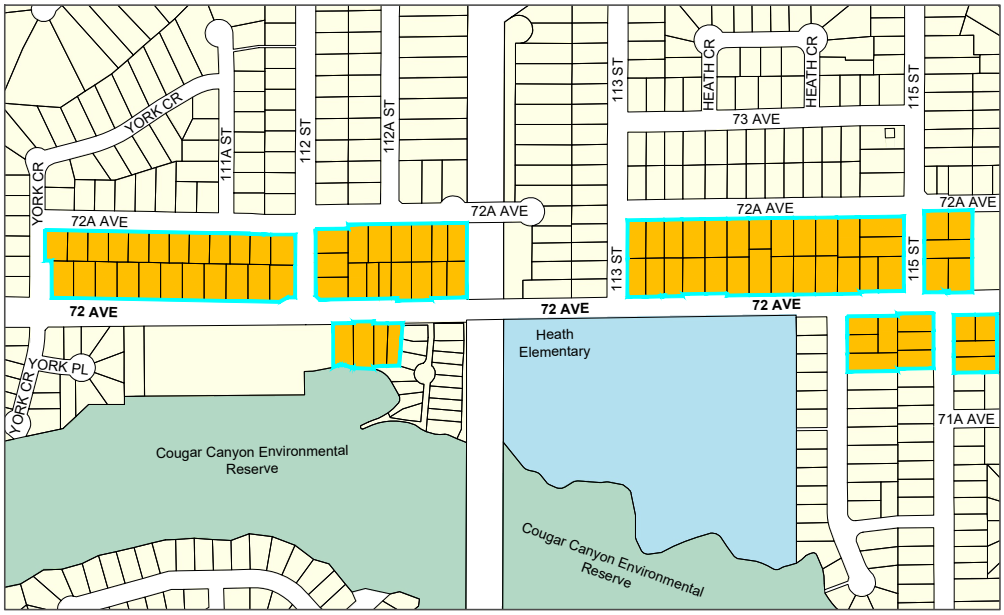
SUPPLEMENTARY STANDARD DRAWINGS

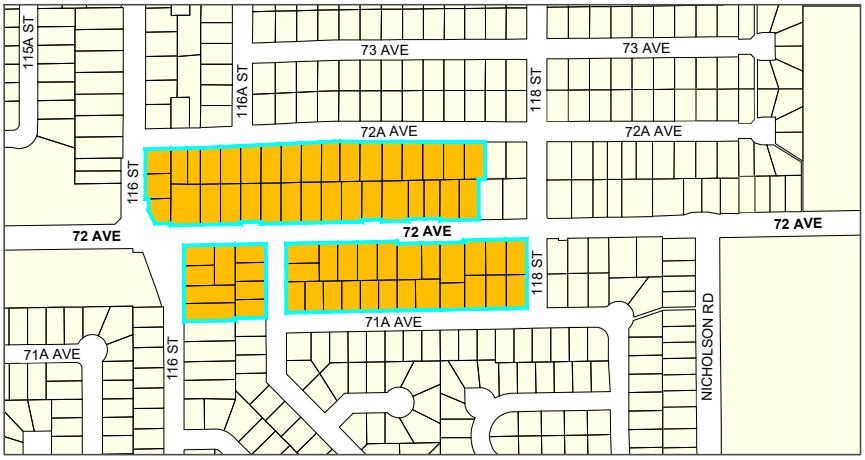
Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-G.6





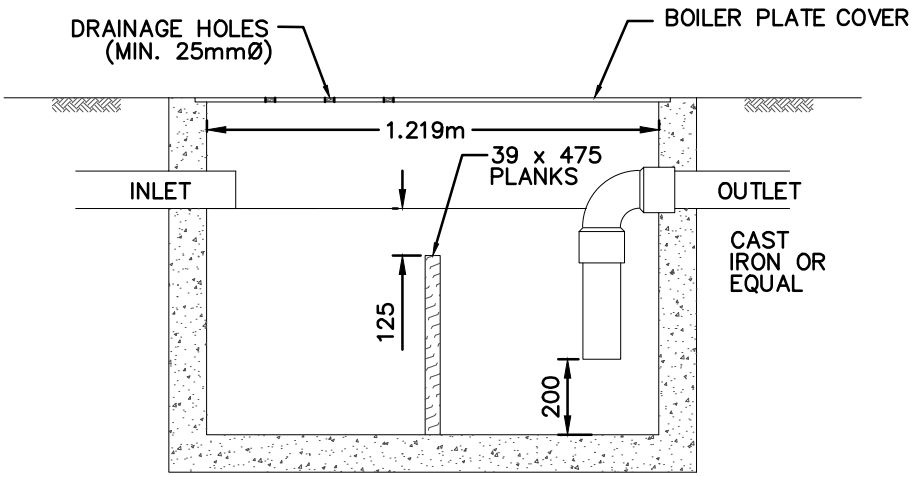
LEGEND

SUBJECT PROPERTIES

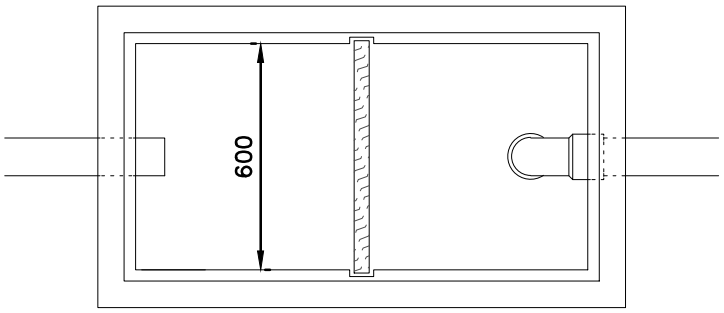
NOTES:

1. PROPERTIES IDENTIFIED SHALL BE SERVICED OFF OF 72 AVENUE. IF DEVELOPERS CHOOSE TO SERVICE OFF OF SIDE OR REAR STREETS, UTILITY UPGRADES MAY BE REQUIRED.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SPECIAL SERVICING AREAS - 72 AVENUE CORRIDOR**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-G.7
		Scale: N.T.S Date: FEBRUARY, 2026	



ELEVATION



PLAN

INTERCEPTOR SIZES

MAX. AREA OF PARKING (PAVED)(sq. m)	PIPE SIZE(mm) (OUTLET)	GREASE INTERCEPTOR		
		LENGTH (mm)	WIDTH (mm)	LIQUID DEPTH (mm)
650	100	1200	600	600
1858	150	1372	600	600
3995	200	1524	762	600
7246	250	1676	762	600
11613	300	1829	762	600
21367	375	1981	914	600

NOTES:

1. WALL AND BOTTOM OF THE INTERCEPTOR ARE TO BE OF CONCRETE 100mm THICK AND MADE WATER–TIGHT.
2. WHEN DRAINAGE HOLES ARE INSTALLED IN THE BOILER PLATE COVER, PROVIDE A SLIGHT DOWNWARD SLOPE ON THE COVER TO THE INLET END.

No.	Revision	Approved

All Dimensions Shown In Millimetres,
Unless Otherwise Noted

Title : **TYPICAL OIL INTERCEPTOR FOR PAVED PARKING AREAS (TYPE 1)**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

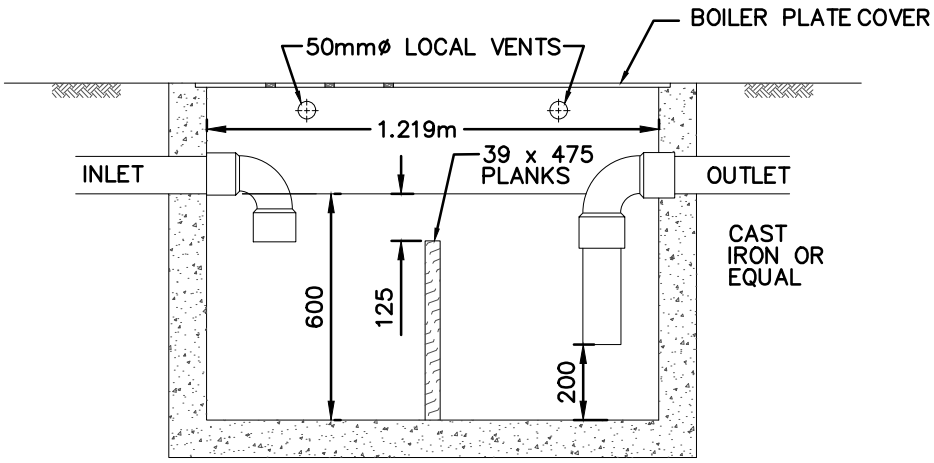
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-D.1



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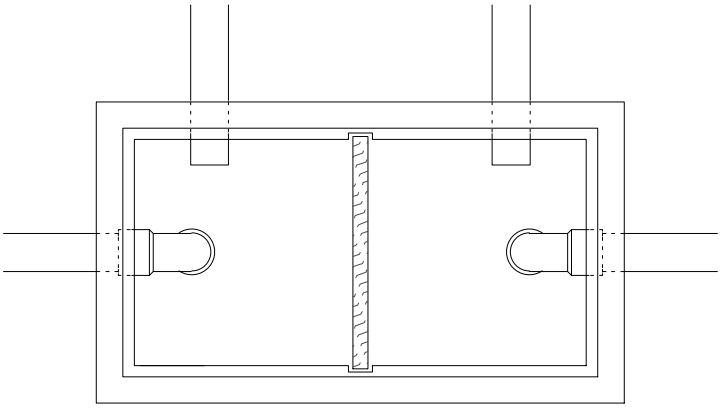
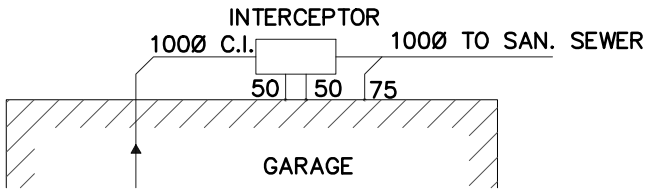


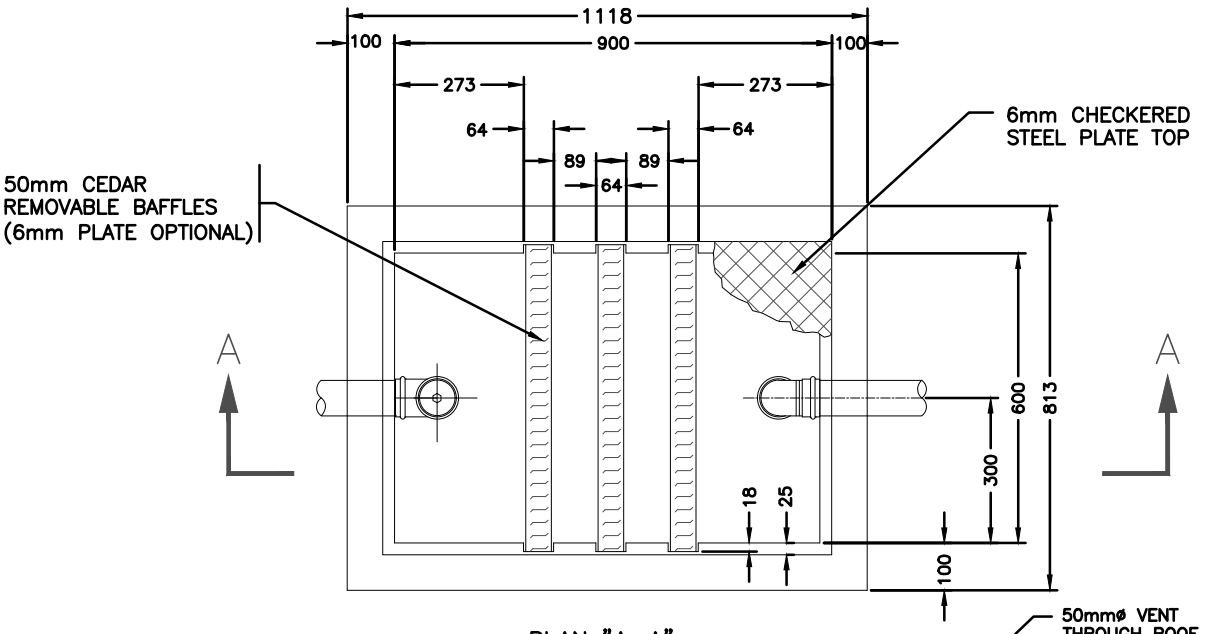
PLAN



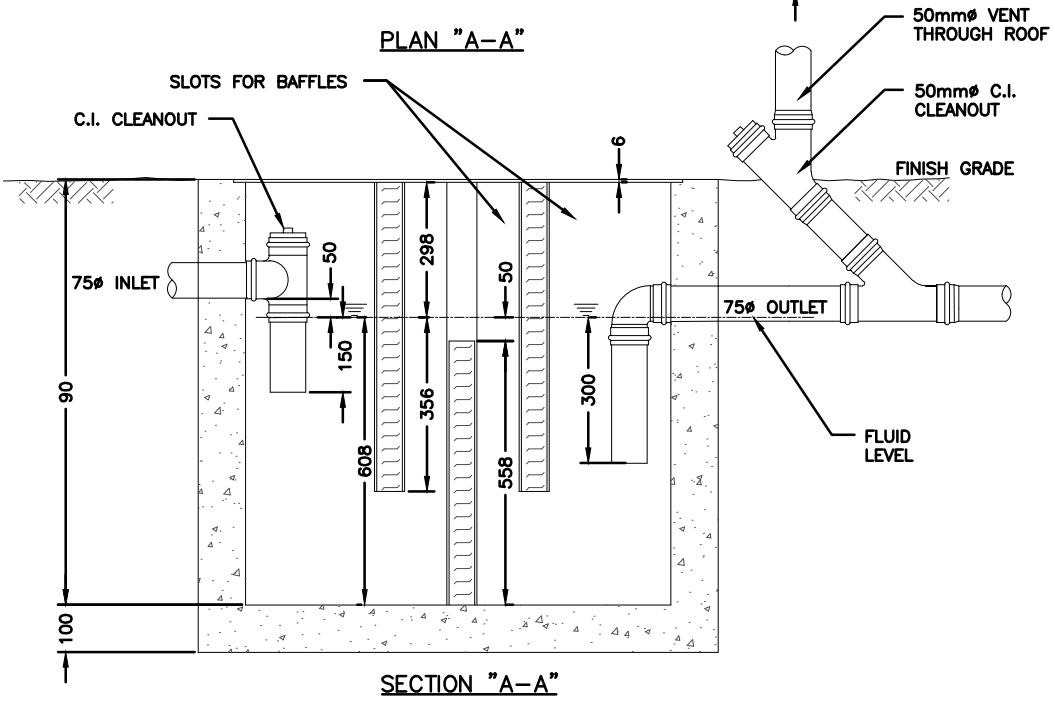
NOTES:

1. MIN. 75mm VENT REQUIRED ON THE INTERCEPTOR WASTE OUTLET.
2. INTERCEPTOR TO BE LOCATED OUTSIDE AND ADJACENT TO THE BUILDING.
3. SERVICE BAY FLOOR DRAINS OR TRENCH DRAINS ARE NOT TO BE TRAPPED.
4. VENT PIPES TO EXTEND AT LEAST 3.048m ABOVE THE SURROUNDING GROUND.
5. INCREASE THE INTERCEPTOR 150mm IN LENGTH FOR EACH SERVICE BAY OVER THREE IN NUMBER.
6. 50mm LOCAL VENT HEIGHTS ARE TO BE STAGGERED, ONE 300mm ABOVE THE OTHER TO PROMOTE A CIRCULATION OF AIR WITHIN THE INTERCEPTOR.
7. ALTERNATE DESIGNS CAN BE CONSIDERED IF IT ACHIEVES THE SAME RESULTS.

No.	Revision	Approved	All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **OIL, GAS OR GREASE INTERCEPTOR FOR GARAGES (TYPE 2)**	
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-D.2
			Scale: N.T.S Date: FEBRUARY, 2026	



PLAN "A–A"



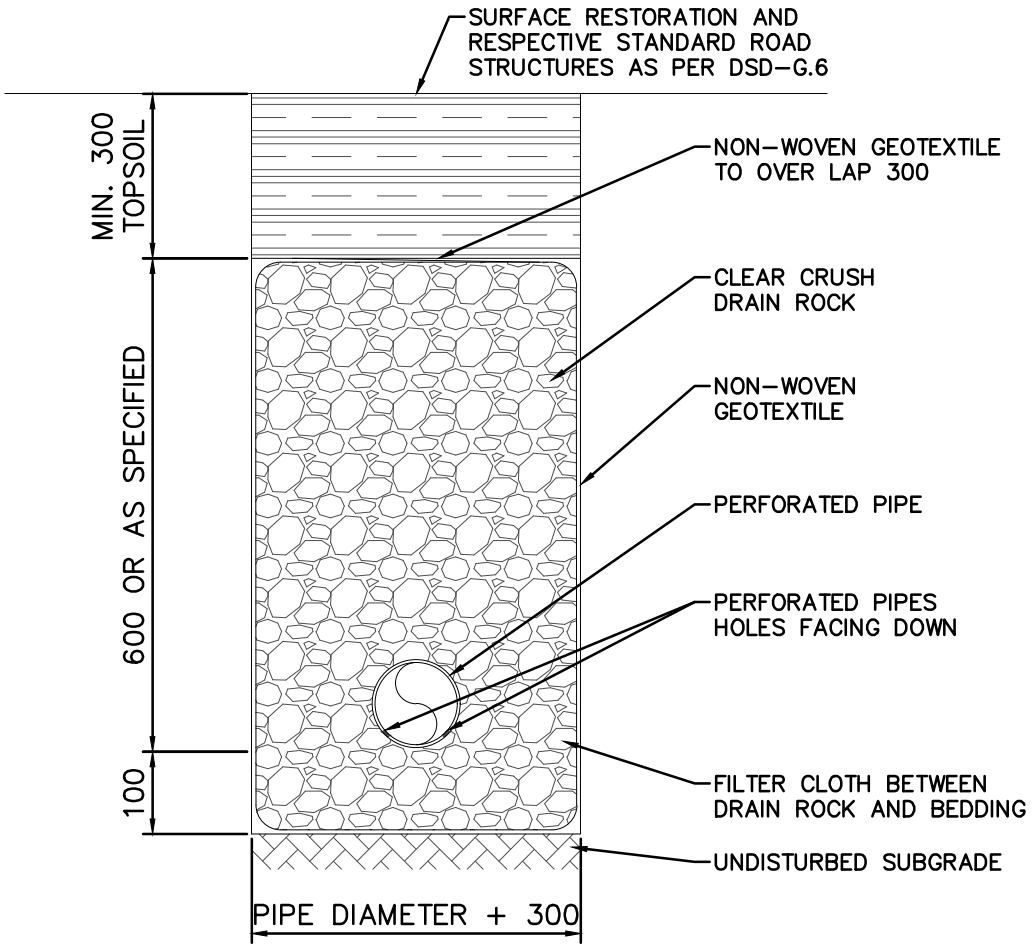
SECTION "A–A"

NOTES:

IF INTERCEPTOR IS LOCATED INSIDE BUILDING, INSTALL 100mm BACKWATER VALVE ON OUTLET.

CAPACITY–340 LITRES PER MIN–EQUIV. TO # 900 FOR LARGER INSTALLATION, SIZE TO BE INCREASED AS REQUIRED.

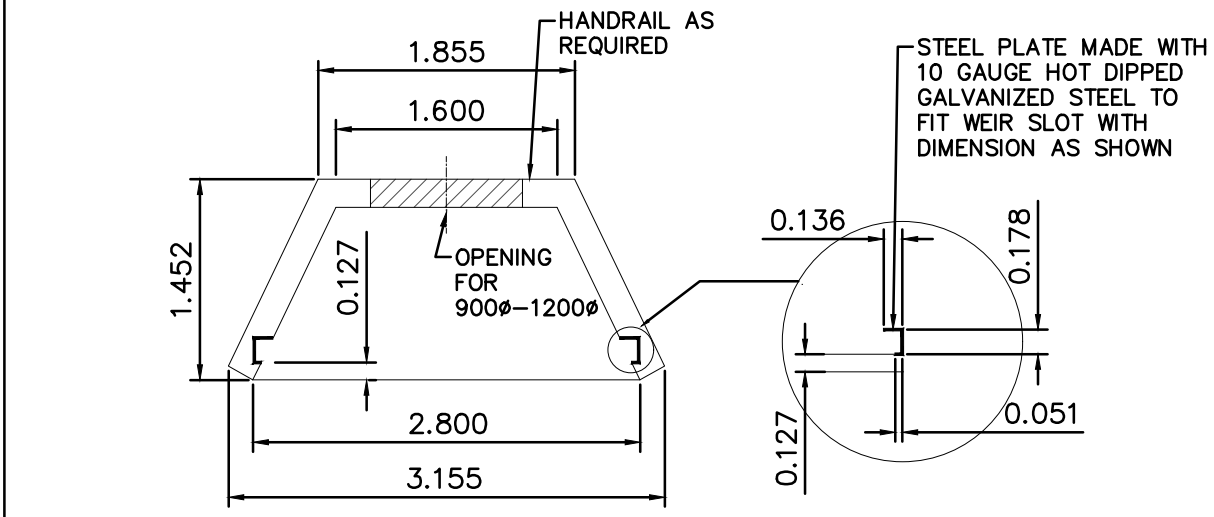
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **GREASE INTERCEPTOR (TYPE 3)**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.2.1
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

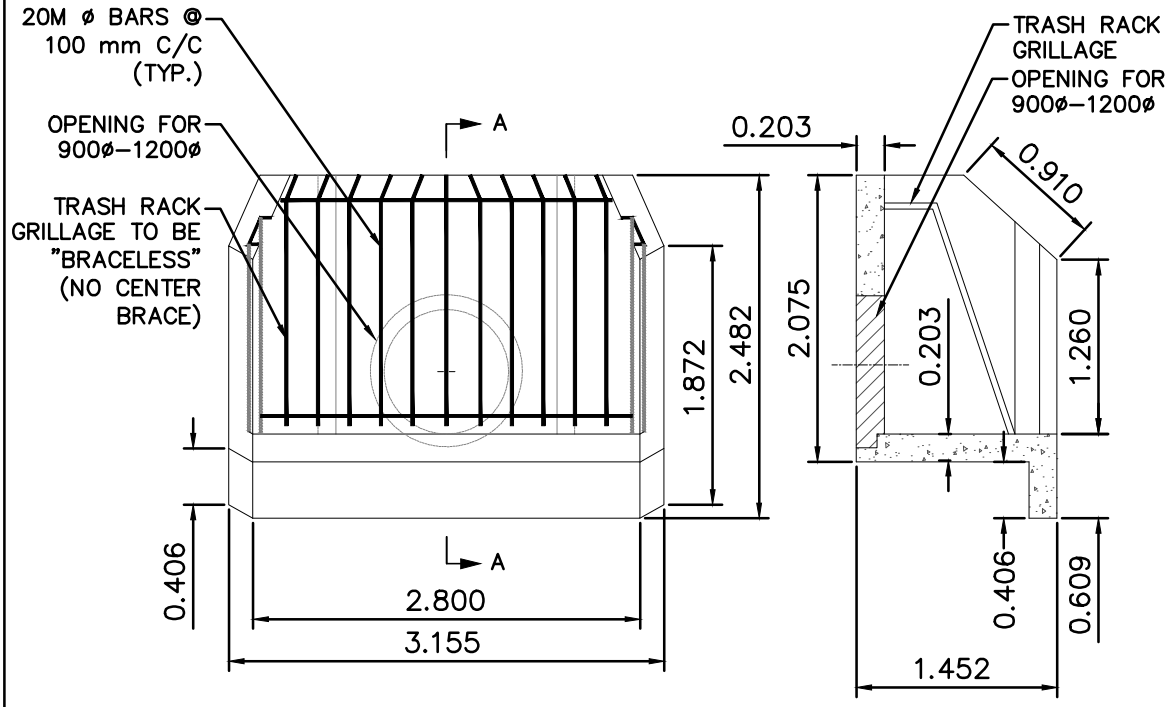
1. FILTER CLOTH SPECIFICATIONS:
   - MIN. TENSILE STRENGTH 0.4 kN
   - MIN. PUNCTURE STRENGTH 1.1 kN
   - MIN. PERMEABILITY IS 5 TIMES PERMEABILITY OF SOIL RETAINED

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SUBDRAIN**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.3
		Scale: N.T.S Date: FEBRUARY, 2026	



PLAN VIEW

DETAIL A



ELEVATION VIEW

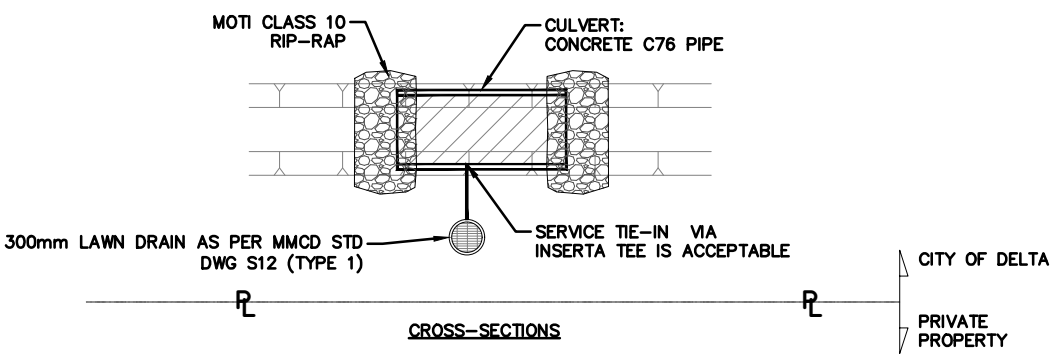
SECTION A – A

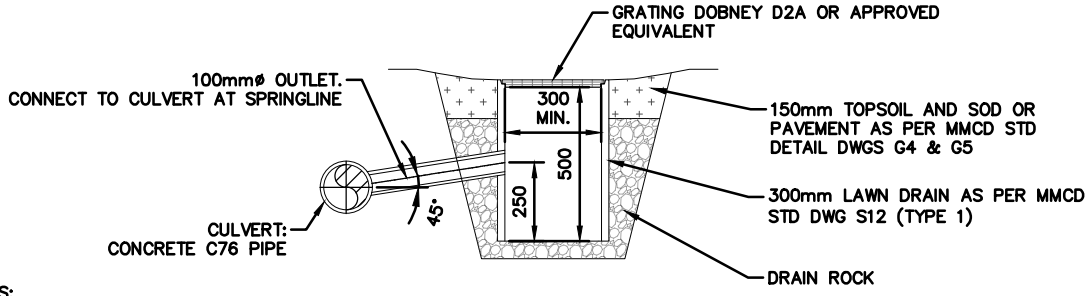
NOTES:

1. ALL STEEL COMPONENTS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION
2. TRASH RACK GRILLAGE TO BE SIZED AS PER MANUFACTURER'S RECOMMENDATION.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **CONCRETE HEADWALL C/W WEIR SLOT**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.4
		Scale: N.T.S Date: FEBRUARY, 2026	

PLAN





LAWN DRAIN

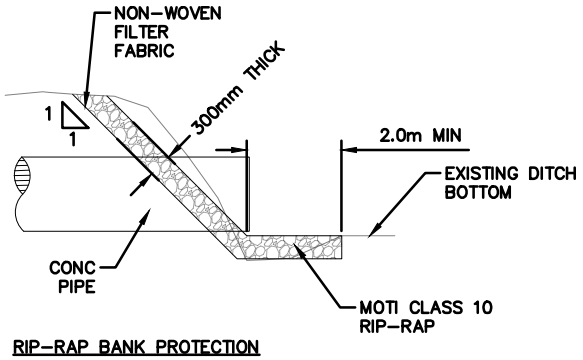
NOTES:

THE ENGINEERING DEPARTMENT INSPECTS THE CONSTRUCTION ONLY FOR CONFORMITY TO DELTA'S ENGINEERING STANDARDS AND SPECIFICATIONS. TWO INSPECTIONS REQUIRED AT FOLLOWING STAGES:

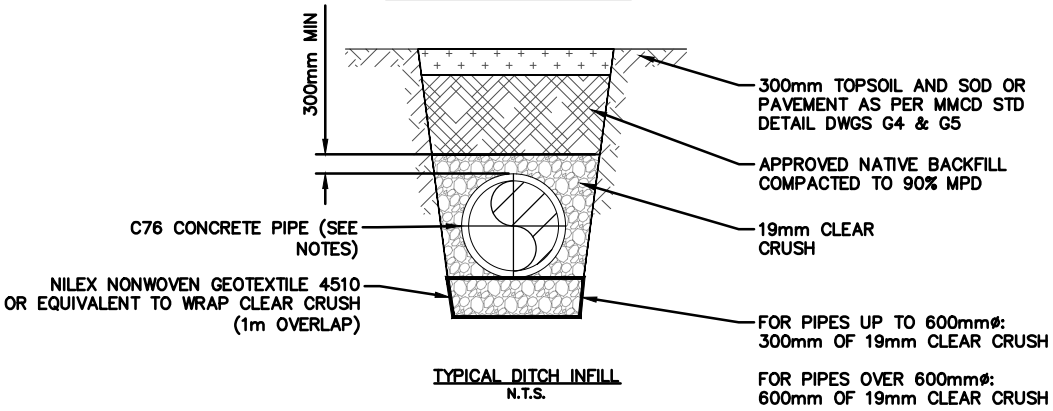
1. WHEN THE BEDDING MATERIAL IS IN PLACE AND THE PIPE IS INSTALLED, BUT NOT BACKFILLED.

2. UPON COMPLETION OF THE WORK.

- IN AGRICULTURAL AREAS OR ENVIRONMENTALLY SENSITIVE AREAS, PERMITS ARE REQUIRED FROM THE PROVINCE (WSA) AND DEPARTMENT OF FISHERIES AND OCEAN (DFO).
- MINIMUM PIPE SIZE IN RESIDENTIAL AREAS IS 300mm AND AGRICULTURAL AREAS IS 600mm. ALL PIPE SIZES TO BE DETERMINED BY DELTA ENGINEERING.



RIP-RAP BANK PROTECTION



TYPICAL DITCH INFILL
N.T.S.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TYPICAL DITCH INFILL**

Delta

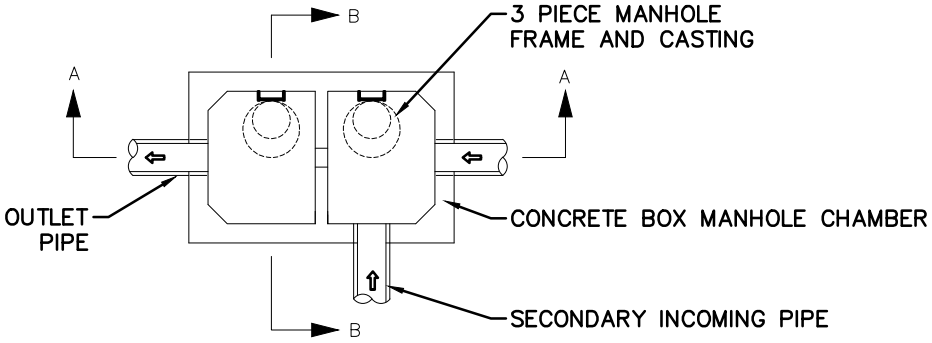
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

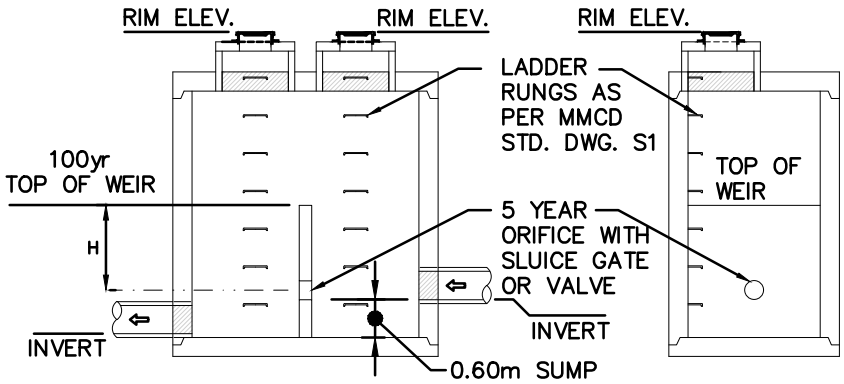
Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-D.5



PLAN



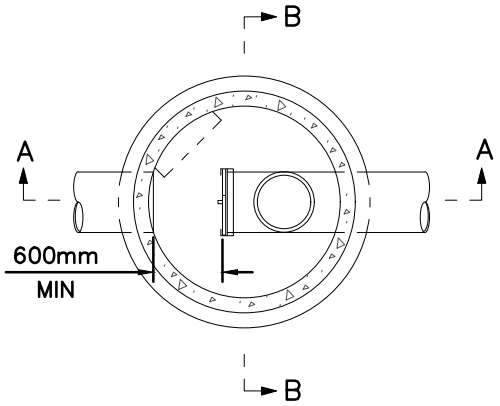
SECTION A–A

SECTION B–B

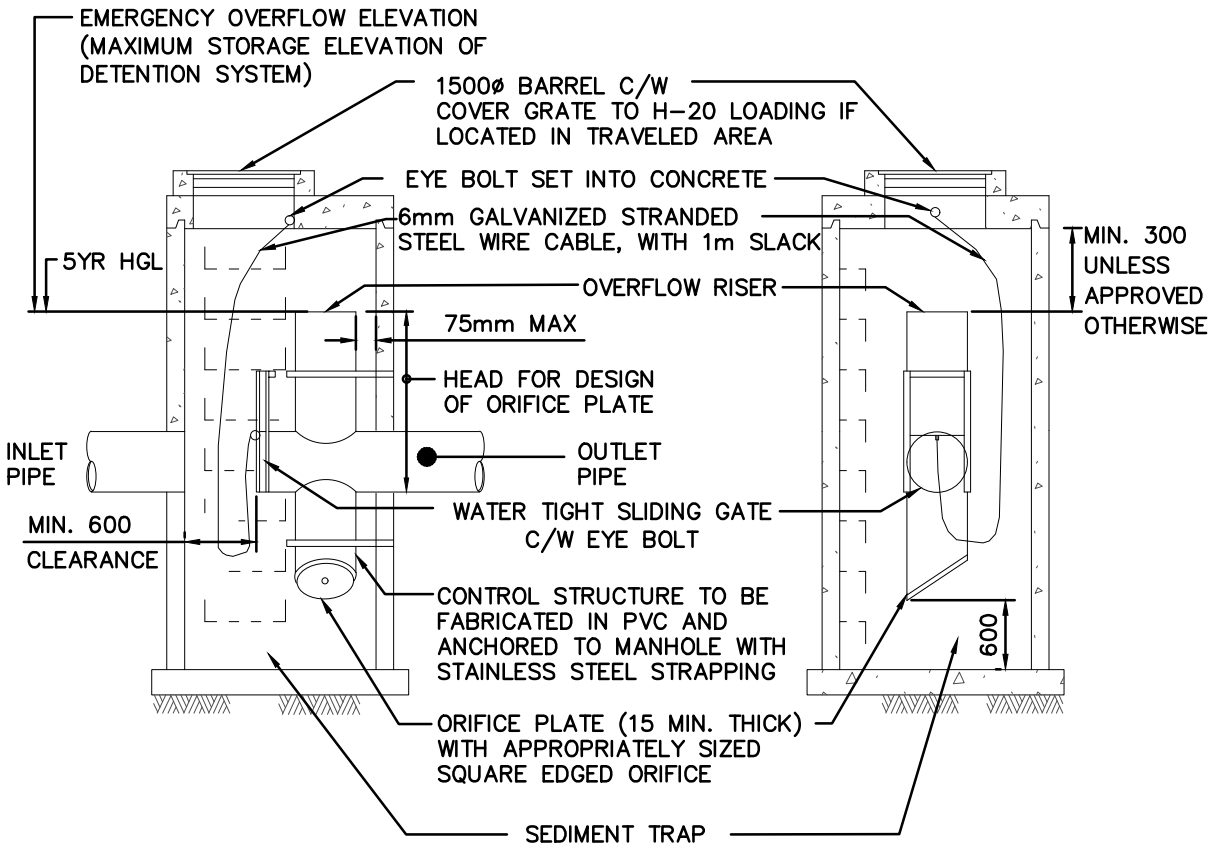
NOTES

1. "H" REFERS TO HYDRAULIC HEAD
2. CHAMBER SIZE TO BE DETERMINED BY THE SIZE OF THE INCOMING PIPE

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **FLOW CONTROL MANHOLE "A"**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.6
		Scale: N.T.S Date: FEBRUARY, 2026	



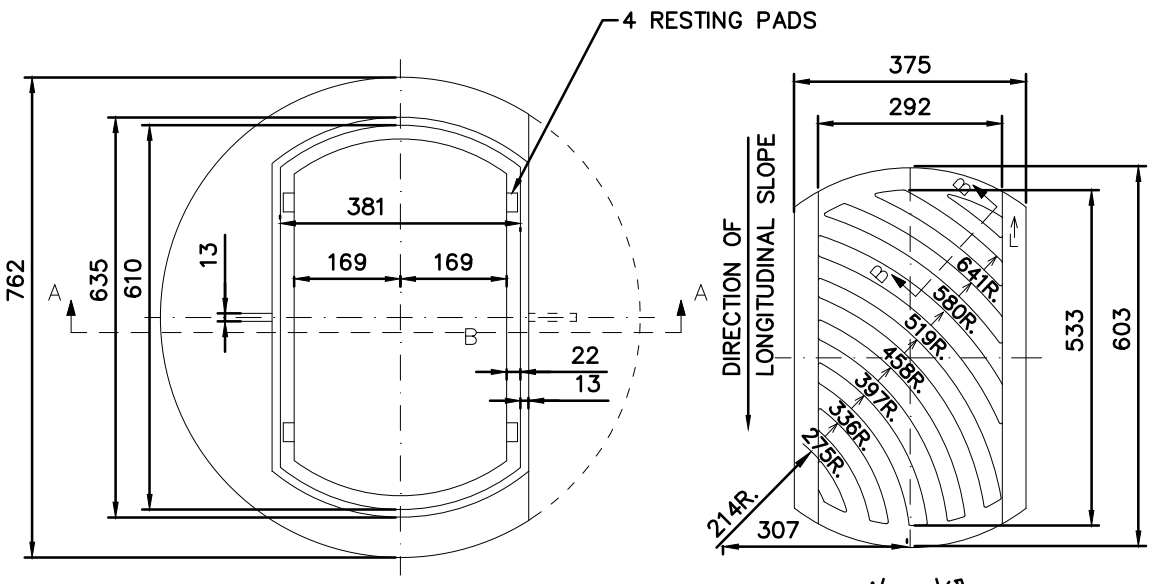
PLAN

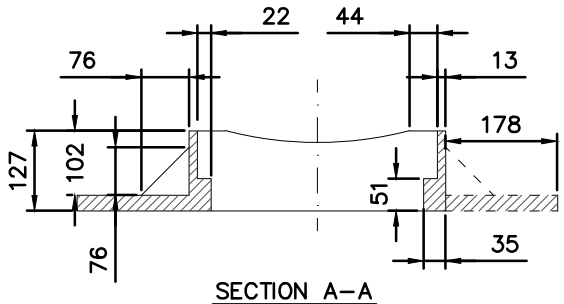


STANDARD MANHOLE
SECTION A-A

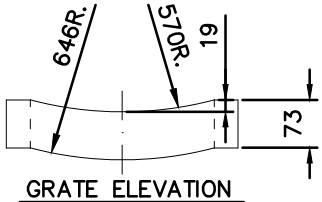
STANDARD MANHOLE
SECTION B-B

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **FLOW CONTROL MANHOLE "B"**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-D.7
			Scale: N.T.S Date: FEBRUARY, 2026	

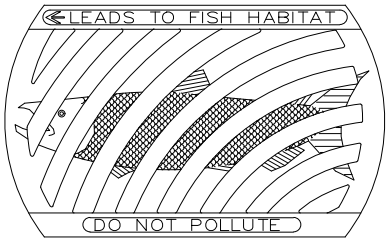




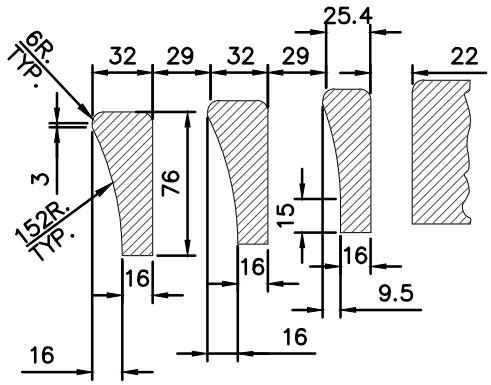
SECTION A–A



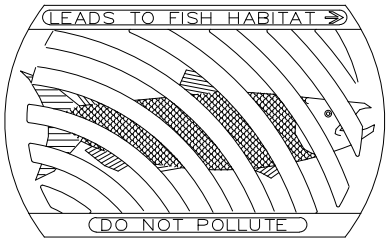
GRATE ELEVATION



LEFT HAND GRATE



SECTION B–B

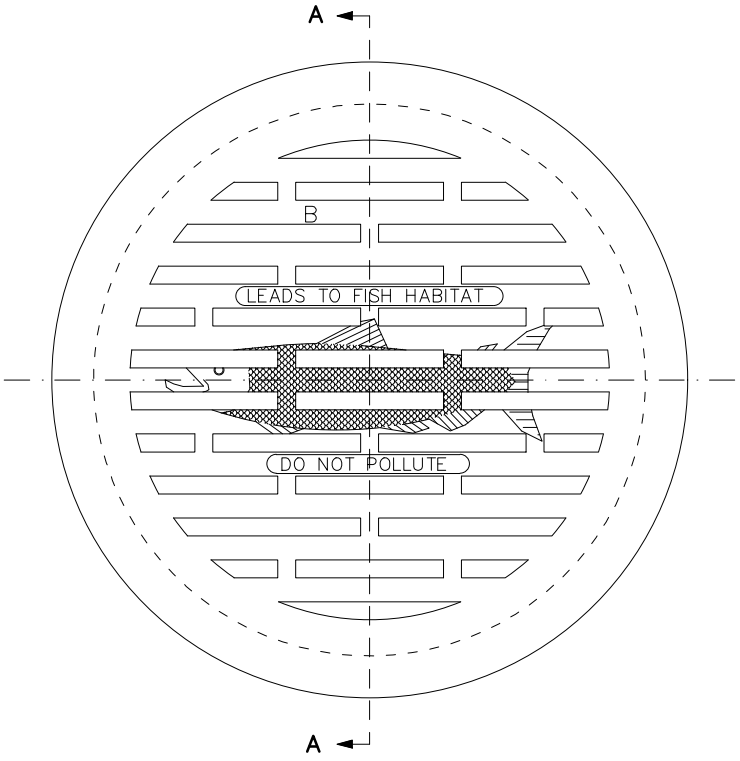


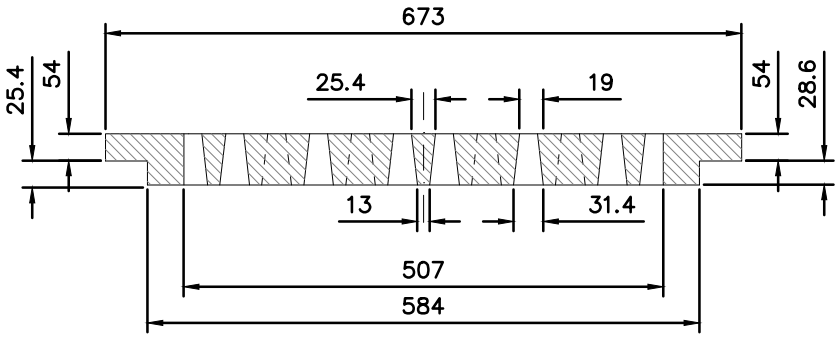
RIGHT HAND GRATE

NOTE:

1. SYMBOL OF FISH TO BE INDENTED ON TOP OF GRATE BY 3mm.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **CATCHBASIN GRATE AND FRAME**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.8
		Scale: N.T.S Date: FEBRUARY, 2026	



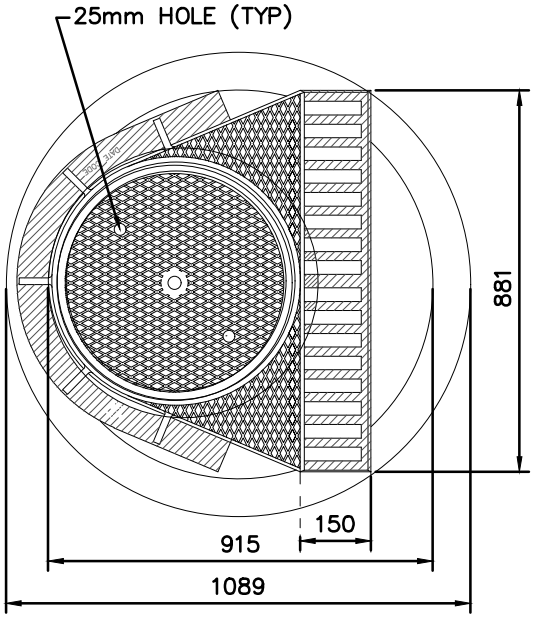


SECTION A–A

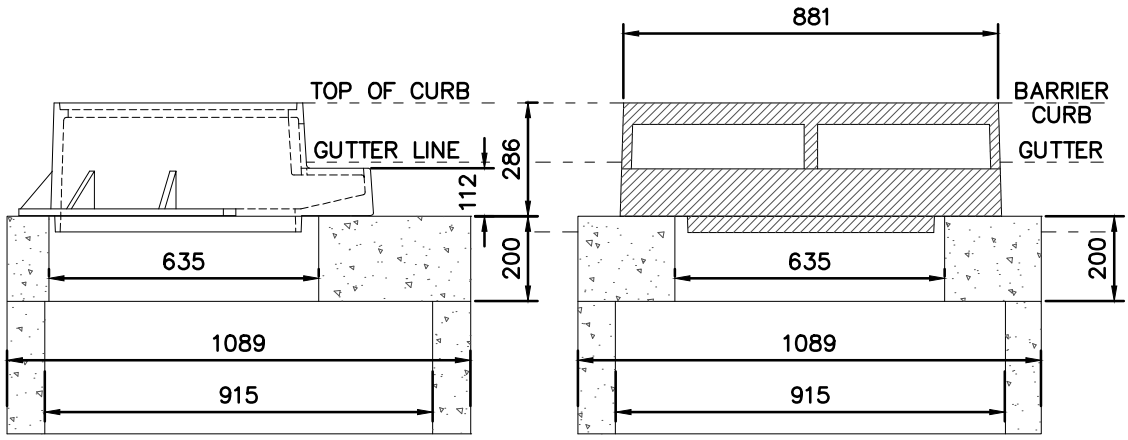
NOTES:

1. SYMBOL OF FISH TO BE INDENTED ON TOP OF GRATE BY 3mm.
2. FOR INTENDED USE WITHIN CITY R/W's.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **BOULEVARD GRATE**	
No.	Revision	Approved		
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.9
			Scale: N.T.S Date: FEBRUARY, 2026	



PLAN



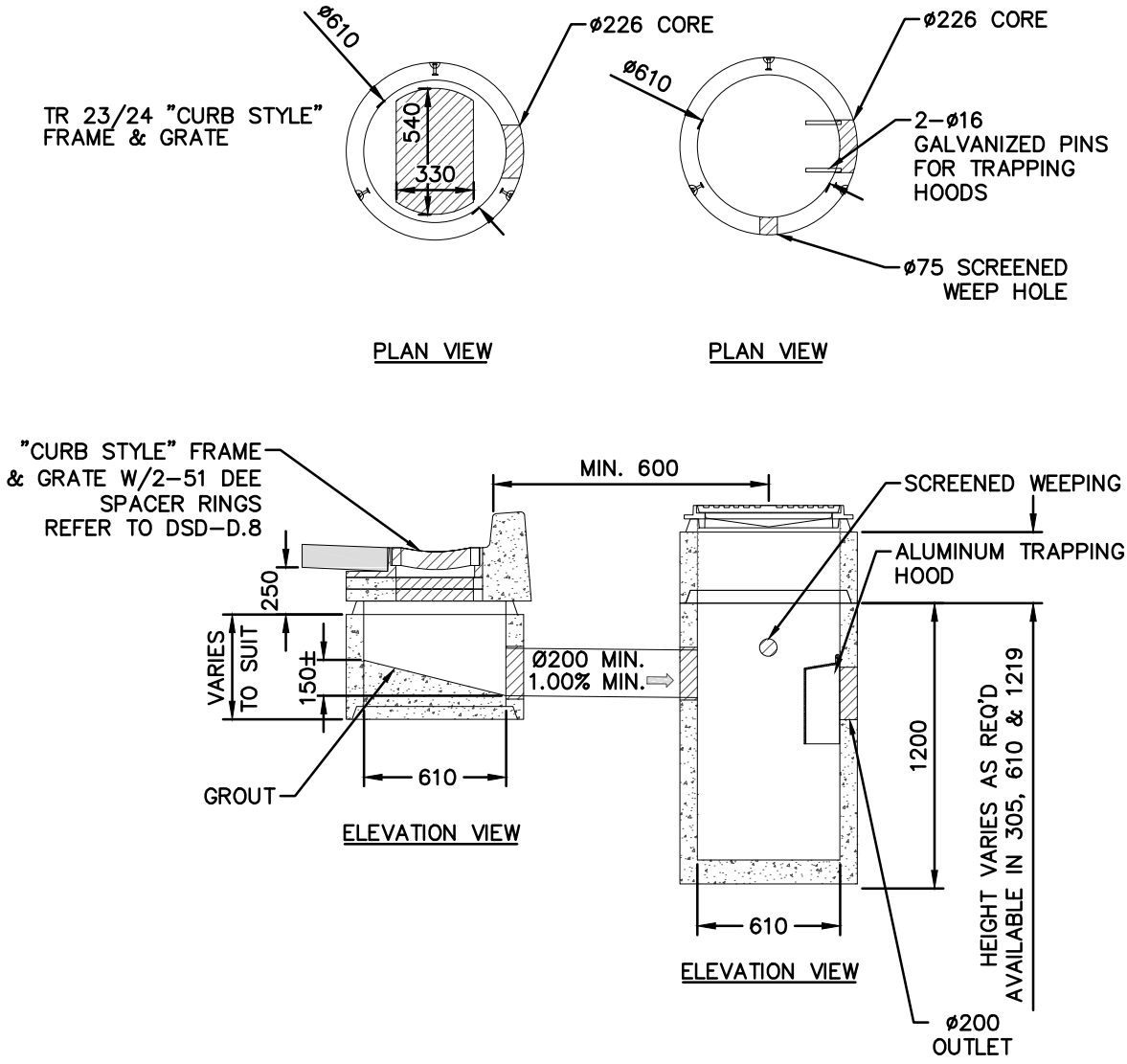
SECTION

CURB VIEW

NOTES:

1. FOR USE WITH NARROW GUTTER PAN.

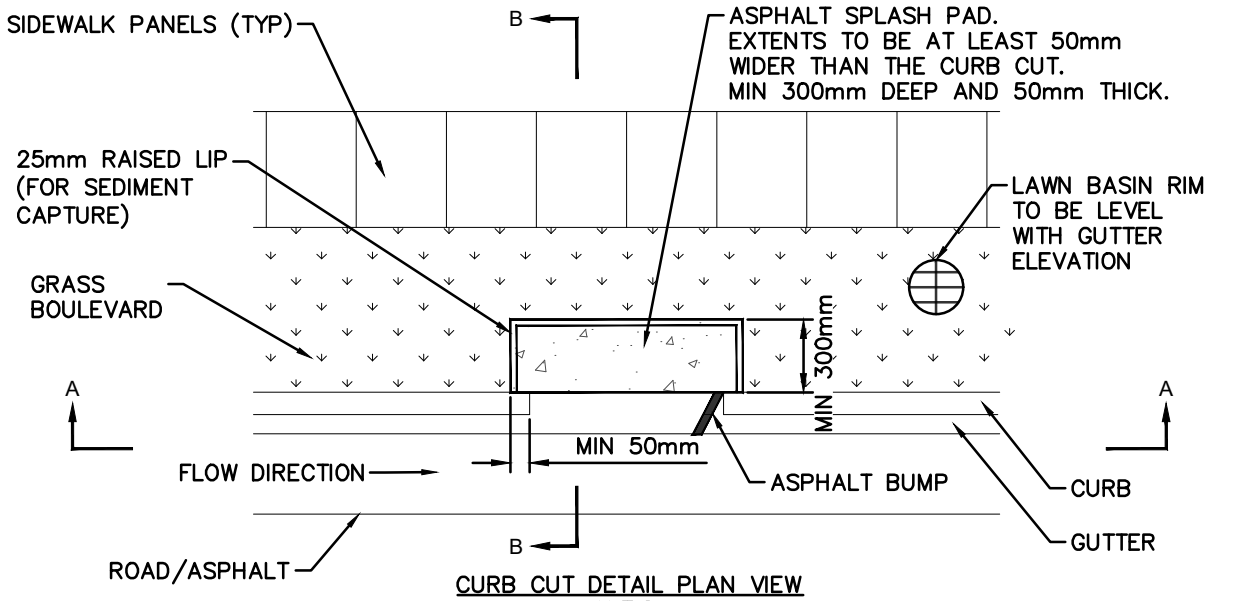
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SIDE INLET CATCHBASIN**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.10
		Scale: N.T.S Date: FEBRUARY, 2026	



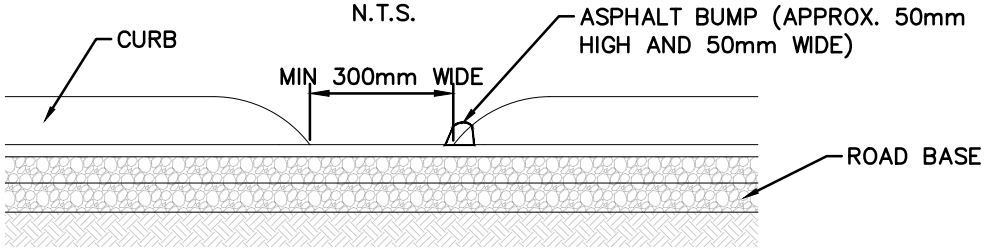
NOTES

1. REINFORCED ø610x1200mm & ø610x450mm CATCH BASIN MANUFACTURED TO MEET ASTM C478 SPECIFICATION.
2. ø610x1200mm & ø610x450mm CATCH BASIN MANUFACTURED IN ACCORDANCE WITH MMCD SPECIFICATION.
3. ø610x1200mm CB C/W 102mm THICK BASE AS SHOWN.
4. ø610x450mm C/W 152mm THICK LID AS SHOWN.
5. UNIT C/W ø226mm CORE AS SHOWN.
6. SCREENED WEEPING HOLE PROVIDED AS SHOWN.
7. UNIT C/W 2–ø16mm GALVANIZED RODS FOR TRAPPING HOOD ASSEMBLY AS SHOWN.
8. MINIMUM CONCRETE STRENGTH: 30.0 MPA.

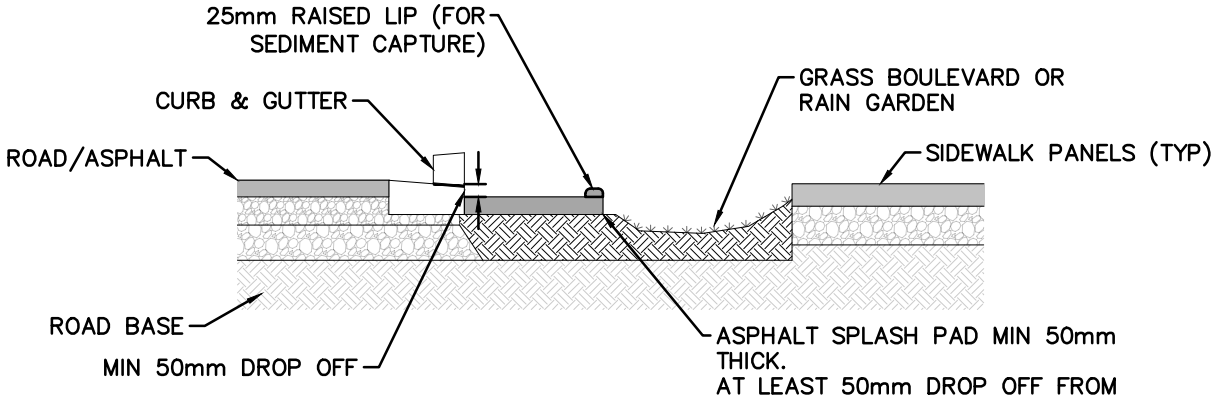
			All Dimensions Shown In Millimeters, Unless Otherwise Noted
			Title : **PAN CATCHBASIN WITH OFFSET SUMP**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.11
		Scale: N.T.S Date: FEBRUARY, 2026	



CURB CUT DETAIL PLAN VIEW
N.T.S.



SECTION A–A
N.T.S.



SECTION B–B
N.T.S.

NOTES:

1. ASPHALT BUMP TO BE ON DOWNSTREAM SIDE OF CURB.
2. FIT TO SUIT ASPHALT SPLASH PAD IF BOULEVARD WIDTH LESS THAN 600mm.
3. ASPHALT SPLASH PAD CAN BE SUBSTITUTED WITH CONCRETE

No.	Revision	Approved

All Dimensions Shown In Millimetres,
Unless Otherwise Noted

Title : **TYPICAL CURB CUT DETAIL**

Delta

SUPPLEMENTARY
STANDARD
DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER
DSD-D.12

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

RAINFALL INTENSITY-DURATION FREQUENCY DATA (SHORT DURATION) FOR
DT34 - North Delta
BASED ON RECORDING RAIN GAUGE DATA
BASED ON RECORDING RAIN GAUGE DATA FOR THE PERIOD 1992 - 2019 (27 years)

TABLE 2 - RAINFALL INTENSITY DURATION FREQUENCY VALUES (mm/h)
COMPUTED BY USING THE GUMBEL EXTREME VALUE TYPE I DISTRIBUTION

DURATION	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
5 min	41.1	61.0	74.2	90.9	103.2	115.5
15 min	25.1	38.9	48.0	59.5	68.1	76.6
30 min	18.4	28.2	34.7	42.9	49.0	55.1
1 h	12.6	18.3	22.1	26.8	30.4	33.9
2 h	9.2	12.0	13.8	16.2	17.9	19.6
6 h	5.3	6.8	7.7	9.0	9.9	10.8
12 h	3.7	4.9	5.7	6.7	7.4	8.1
24 h	2.4	3.3	3.8	4.5	5.1	5.6
48 h	1.6	2.3	2.7	3.3	3.7	4.1
72 h	1.2	1.7	2.0	2.4	2.7	3.0

TABLE 3 - RAINFALL INTENSITY-DURATION FREQUENCY INTERPOLATION EQUATION

$I = A*T^B$

I = intensity in mm/h

T = storm duration in hours

IDF EQUATION PARAMETERS	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
Coefficient A - Short	12.586	17.918	21.417	25.821	29.080	32.311
Exponent B - Short	-0.496	-0.528	-0.540	-0.551	-0.558	-0.562
Coefficient A - Long	13.385	18.065	21.142	25.017	27.885	30.729
Exponent B - Long	-0.542	-0.541	-0.540	-0.540	-0.539	-0.539
Coefficient A - All	12.470	17.865	21.409	25.871	29.174	32.449
Exponent B - All	-0.516	-0.535	-0.542	-0.549	-0.552	-0.555

Note: Coefficient A (all) and Exponent B (all) shall be used in all calculations.

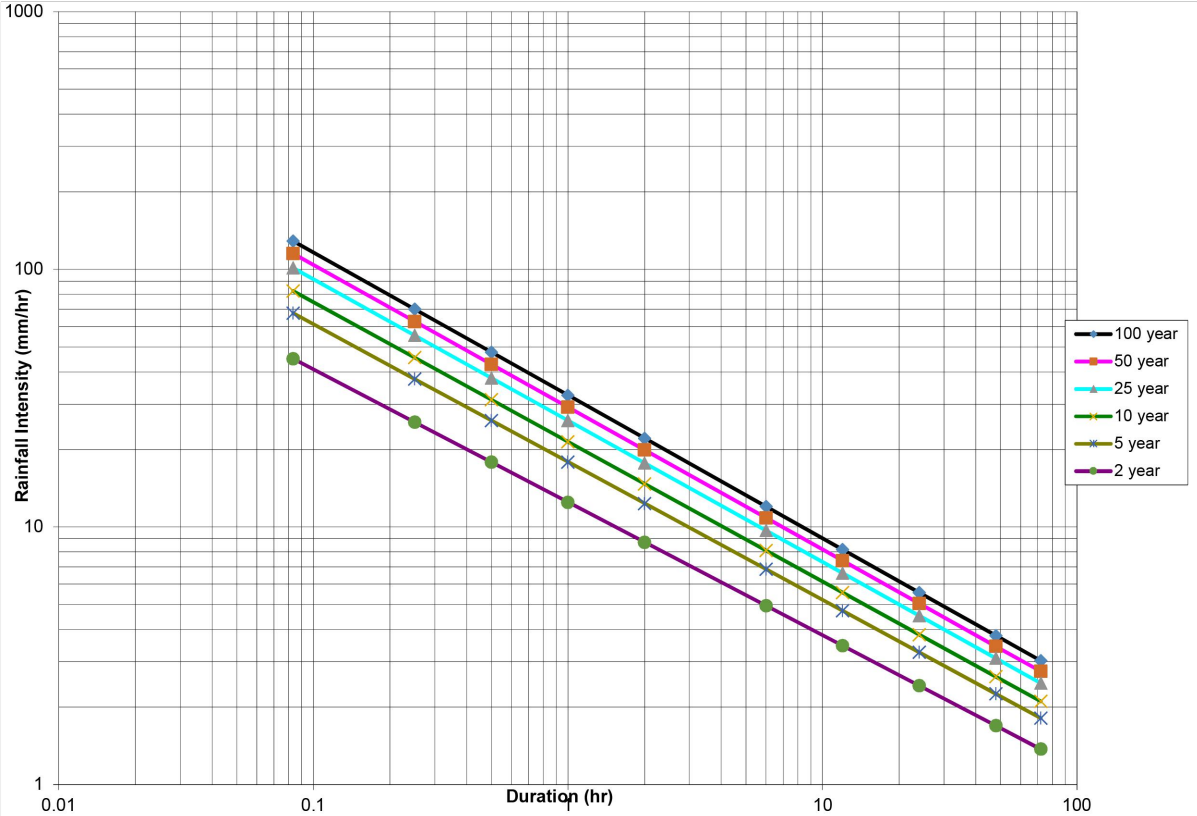
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAINFALL IDF DATA - NORTH DELTA**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.13
		Scale: N.T.S Date: FEBRUARY, 2026	

Greater Vancouver Sewerage & Drainage District

Rainfall IDF Curve - All Duration

Rain Gauge: **DT34 - North Delta**

Latitude:
Longitude:
Elevation (Geodetic) (m):
Report Date Range:
From Jan. 01, 1992 - To Dec. 31, 2018



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAINFALL IDF CURVES - NORTH DELTA**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.13.1
		Scale: N.T.S Date: FEBRUARY, 2026	

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

RAINFALL INTENSITY-DURATION FREQUENCY DATA (SHORT DURATION) FOR
DT55 - Ferry Rd. Pump Station
BASED ON RECORDING RAIN GAUGE DATA
BASED ON RECORDING RAIN GAUGE DATA FOR THE PERIOD 1996 - 2022 (26 years)

TABLE 2 - RAINFALL INTENSITY DURATION FREQUENCY VALUES (mm/h)
COMPUTED BY USING THE GUMBEL EXTREME VALUE TYPE I DISTRIBUTION

DURATION	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
5 min	35.7	53.3	64.9	79.5	90.4	101.2
15 min	19.5	28.2	33.9	41.2	46.6	51.9
30 min	12.6	17.4	20.5	24.5	27.5	30.4
1 h	8.8	11.1	12.7	14.7	16.2	17.7
2 h	6.4	7.7	8.5	9.6	10.4	11.3
6 h	3.9	4.8	5.4	6.2	6.8	7.3
12 h	2.9	3.7	4.2	4.9	5.4	5.8
24 h	1.9	2.5	2.9	3.4	3.8	4.2
48 h	1.2	1.7	2.0	2.5	2.8	3.1
72 h	0.9	1.3	1.5	1.8	2.0	2.2

TABLE 3 - RAINFALL INTENSITY-DURATION FREQUENCY INTERPOLATION EQUATION

I = A*T^B
I = intensity in mm/h
T = storm duration in hours

IDF EQUATION PARAMETERS	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
Coefficient A - Short	9.473	12.696	14.805	17.455	19.413	21.352
Exponent B - Short	-0.504	-0.531	-0.543	-0.553	-0.559	-0.563
Coefficient A - Long	9.418	11.400	12.724	14.405	15.656	16.899
Exponent B - Long	-0.521	-0.492	-0.479	-0.466	-0.459	-0.454
Coefficient A - All	9.397	12.707	14.874	17.595	19.607	21.600
Exponent B - All	-0.522	-0.531	-0.535	-0.538	-0.540	-0.541

Note: Coefficient A (all) and Exponent B (all) shall be used in all calculations.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **RAINFALL IDF DATA - LADNER**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

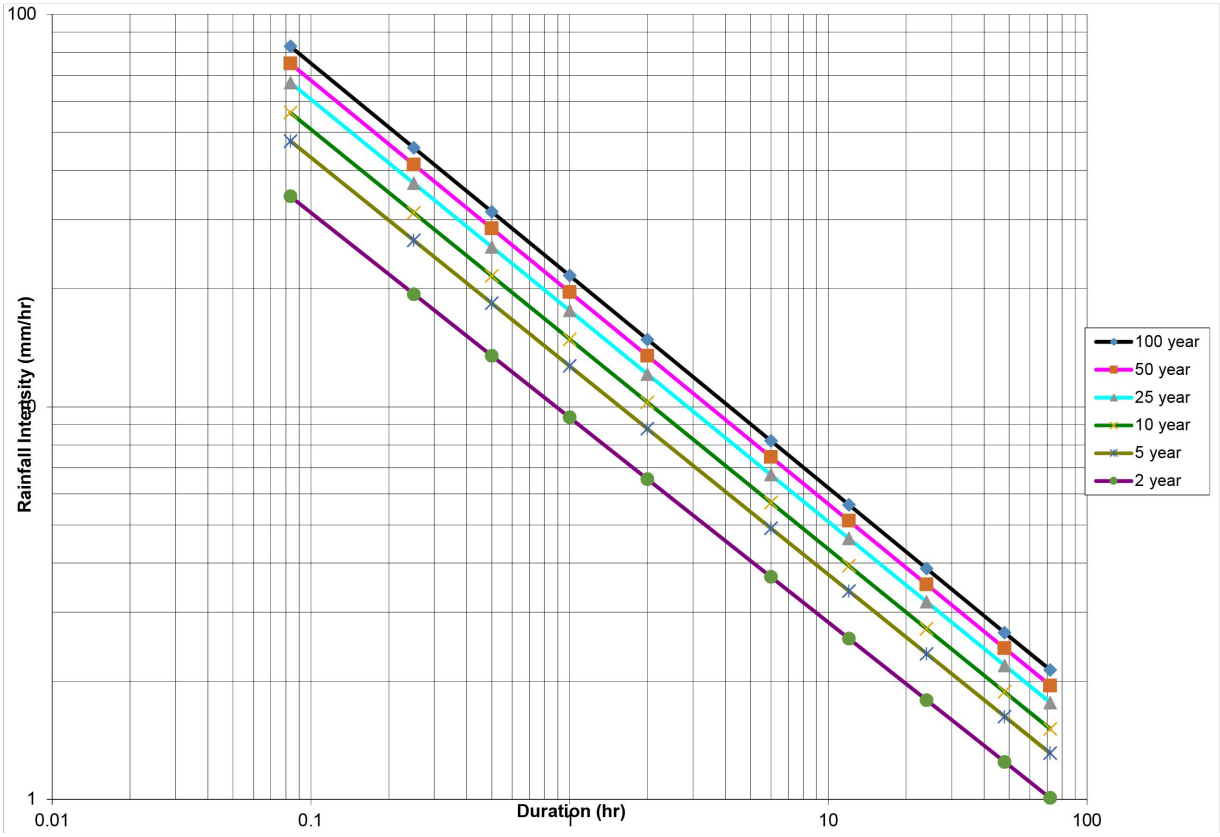
DRAWING NUMBER
DSD-D.14

Greater Vancouver Sewerage & Drainage District

Rainfall IDF Curve - All Duration

Rain Gauge: **DT55 - Ferry Rd. Pump Station**

Latitude:
Longitude:
Elevation (Geodetic) (m):
Report Date Range:
From Jan. 01, 1996 - To Dec. 31, 2021



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAINFALL IDF CURVES - LADNER**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.14.1
		Scale: N.T.S Date: FEBRUARY, 2026	

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

RAINFALL INTENSITY-DURATION FREQUENCY DATA (SHORT DURATION) FOR
DT86 - Tsawwassen
BASED ON RECORDING RAIN GAUGE DATA
BASED ON RECORDING RAIN GAUGE DATA FOR THE PERIOD 2010 - 2014 (5 years)

TABLE 2 - RAINFALL INTENSITY DURATION FREQUENCY VALUES (mm/h)
COMPUTED BY USING THE GUMBEL EXTREME VALUE TYPE I DISTRIBUTION

DURATION	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
5 min	35.9	69.2	91.3	119.2	139.9	160.4
15 min	19.5	34.0	43.6	55.8	64.8	73.8
30 min	12.9	19.7	24.2	30.0	34.2	38.4
1 h	9.2	13.4	16.2	19.8	22.4	25.0
2 h	6.1	9.6	11.9	14.8	17.0	19.1
6 h	3.7	5.5	6.8	8.4	9.6	10.7
12 h	2.3	3.6	4.4	5.5	6.3	7.1
24 h	1.6	2.3	2.8	3.4	3.8	4.3
48 h	0.9	1.2	1.5	1.8	2.0	2.2
72 h	0.7	1.0	1.2	1.5	1.7	2.0

TABLE 3 - RAINFALL INTENSITY-DURATION FREQUENCY INTERPOLATION EQUATION

$I = A*T^B$
I = intensity in mm/h
T = storm duration in hours

IDF EQUATION PARAMETERS	RETURN PERIOD					
	2 year	5 year	10 year	25 year	50 year	100 year
Coefficient A - Short	9.118	14.733	18.414	23.049	26.482	29.886
Exponent B - Short	-0.246	-0.584	-0.596	-0.605	-0.610	-0.614
Coefficient A - Long	9.741	14.883	18.284	22.580	25.767	28.929
Exponent B - Long	-0.603	-0.612	-0.616	-0.619	-0.620	-0.621
Coefficient A - All	8.992	14.566	18.217	22.813	26.216	29.590
Exponent B - All	-0.575	-0.607	-0.617	-0.625	-0.629	-0.633

Note: Coefficient A (all) and Exponent B (all) shall be used in all calculations.

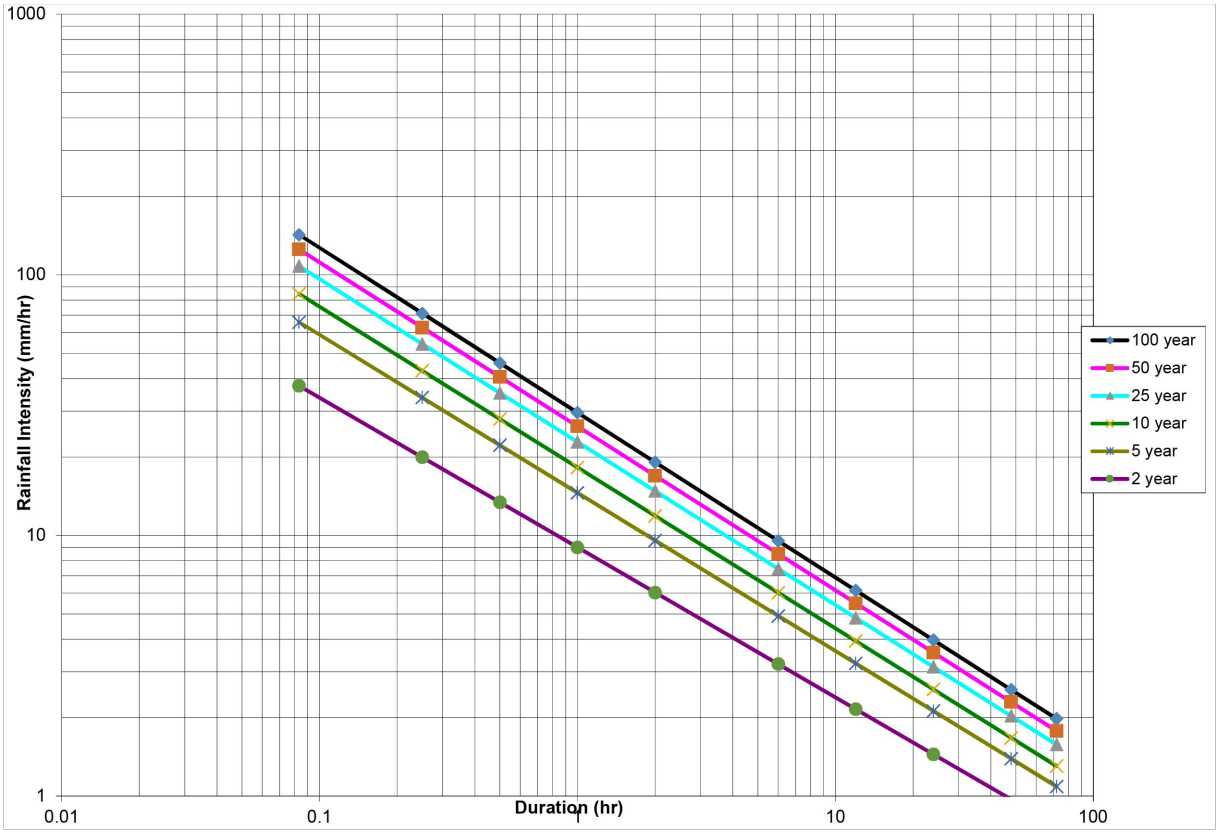
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAINFALL IDF DATA - TSAWWASSEN**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.15
		Scale: N.T.S Date: FEBRUARY, 2026	

Greater Vancouver Sewerage & Drainage District

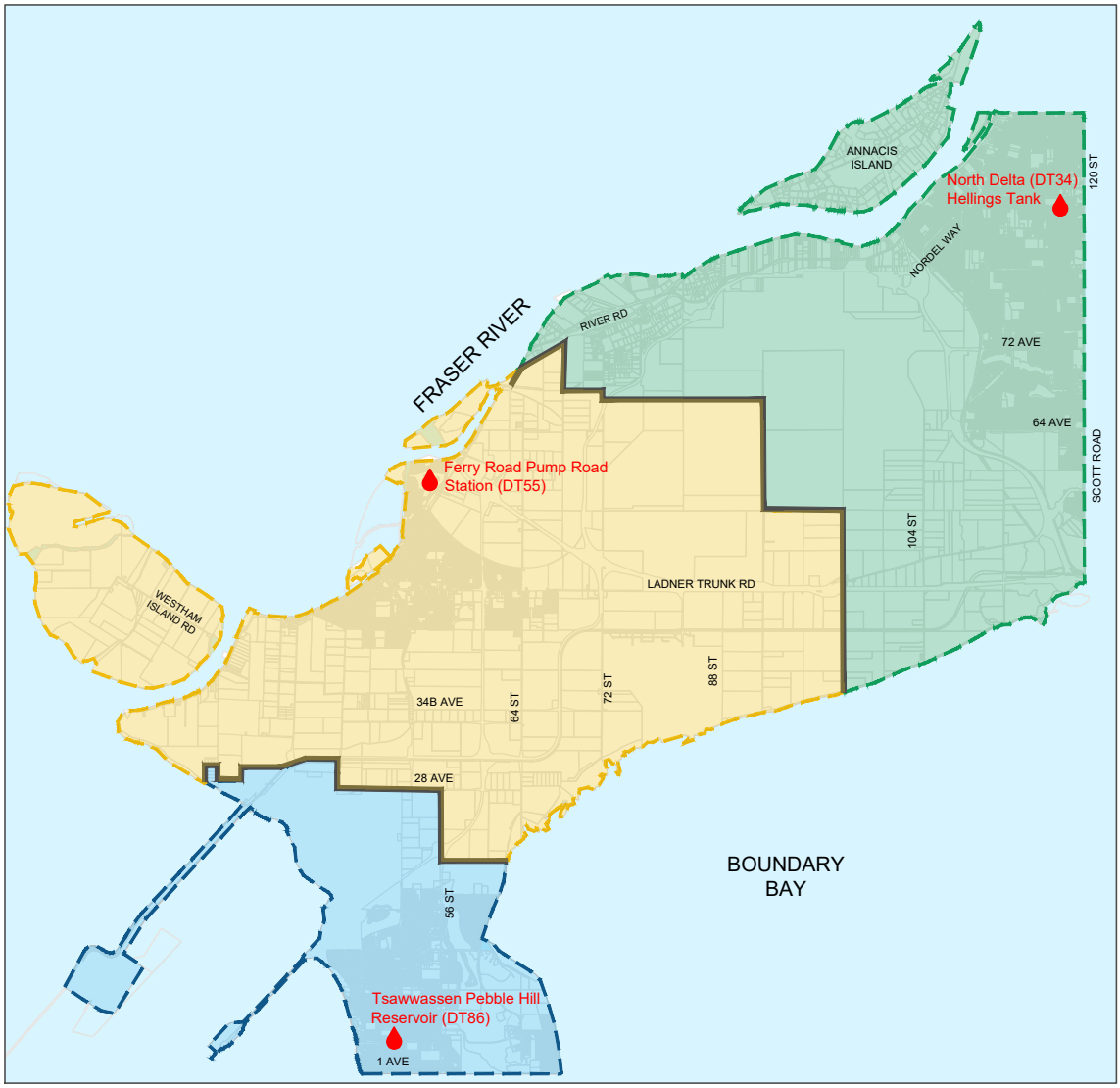
Rainfall IDF Curve - All Duration

Rain Gauge: **DT86 - Tsawwassen**

Latitude:
Longitude:
Elevation (Geodetic) (m):
Report Date Range:
From Jan. 01, 2010 - To Dec. 31, 2014



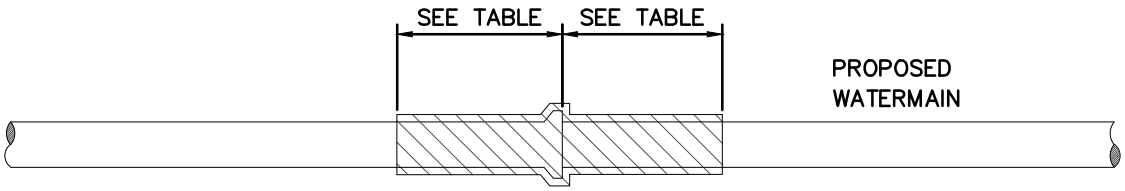
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAINFALL IDF CURVES - TSAWWASSEN**
No.	Revision	Approved	
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-D.15.1



LEGEND

- Rain Gauge Station
- North Rainfall Area
- Central Rainfall Area
- South Rainfall Area

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **RAINFALL BOUNDARIES AND GAUGE STATIONS**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-D.16
		Scale: N.T.S Date: FEBRUARY, 2026	



–ALL JOINT TO BE WRAPPED WITH PETROLEUM TAPE.
SEE TABLE FOR MINIMUM WIDTH OF WRAPS AROUND THE JOINT.
–ALL JOINTS TO BE WRAPPED WITH A 1 INCH TAPE OVERLAP.

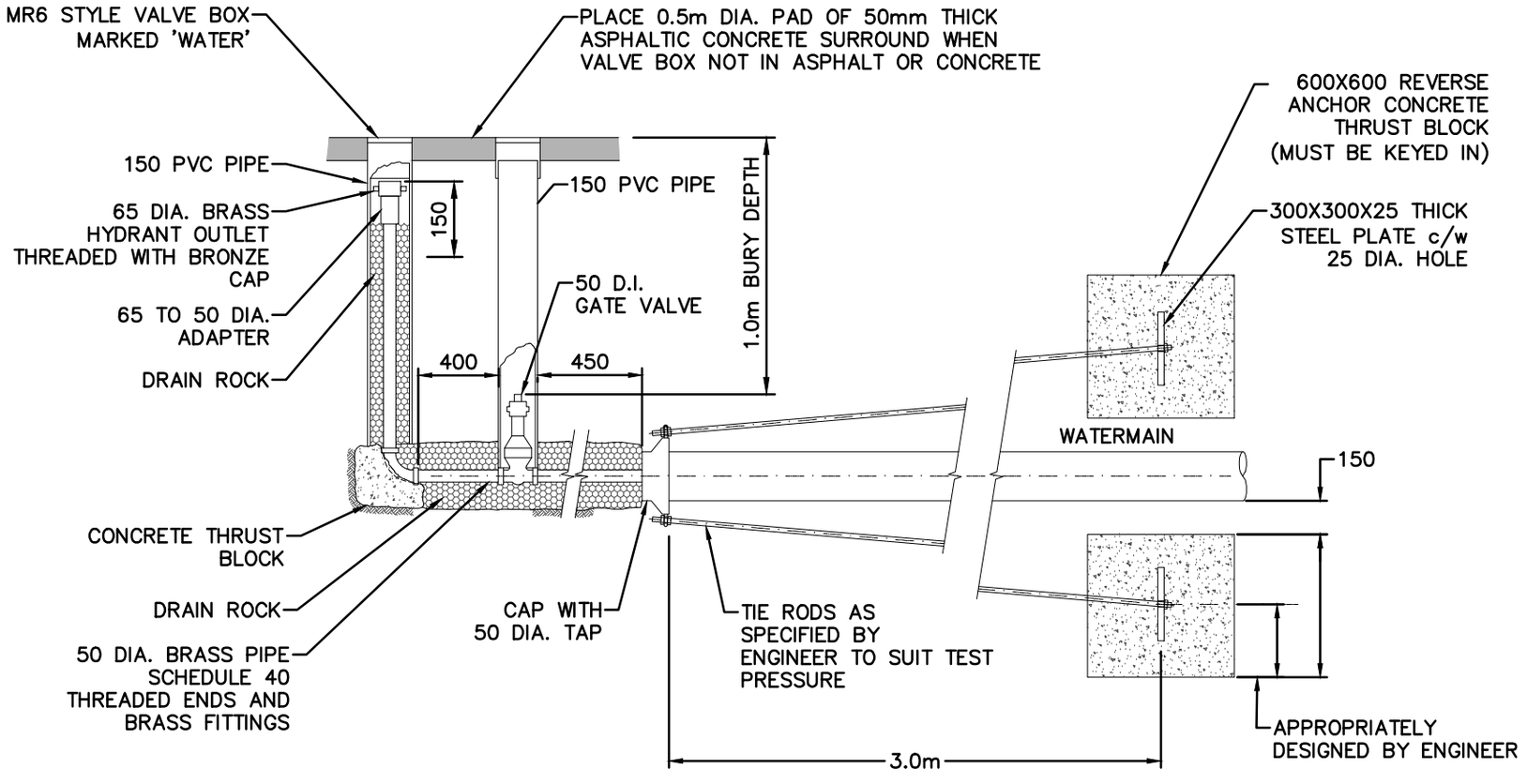
DIMENSIONS OF INNER–LAYER AND OUTER–LAYER TAPE	
NOMINAL PIPE DIAMETER	RECOMMENDED TAPE WIDTH
4 in. (100 mm) AND UNDER	4 in. (100 mm)
6–12 in. (150–300 mm)	9 in. (230 mm)
14 in. (350 mm) AND OVER	12 in. (300 mm) AND UP

WATERMAIN JOINT WRAPPING DETAIL
N.T.S.

NOTES:

1. ALL JOINTS AND FITTINGS TO BE RESTRAINED. ALL JOINT AND FITTINGS TO BE WRAPPED WITH PETROLEUM TAPE, OR APPROVED EQUIVALENT.
2. ALL WATERMAIN JOINTS LESS THAN 3.0m FROM STORM OR SANITARY MUST BE WRAPPED WITH PETROLEUM TAPE, OR APPROVED EQUIVALENT.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **JOINT WRAPPING DETAIL**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-W.1
			Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. TEMPORARY BLOW-OFFS PIPE MATERIAL TO BE GALVANIZED INSTEAD OF BRASS.
2. 50 DIA. GATE VALVES TO BE AVK OR MUELLER.
3. DOUBLE NUT TIE RODS AT REVERSE ANCHOR PLATES & CAP.
4. THRUST BLOCKS OF 20MPa CONCRETE TO BE PLACED AGAINST UNDISTURBED GROUND.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **BLOW OFF CHAMBER**

Delta

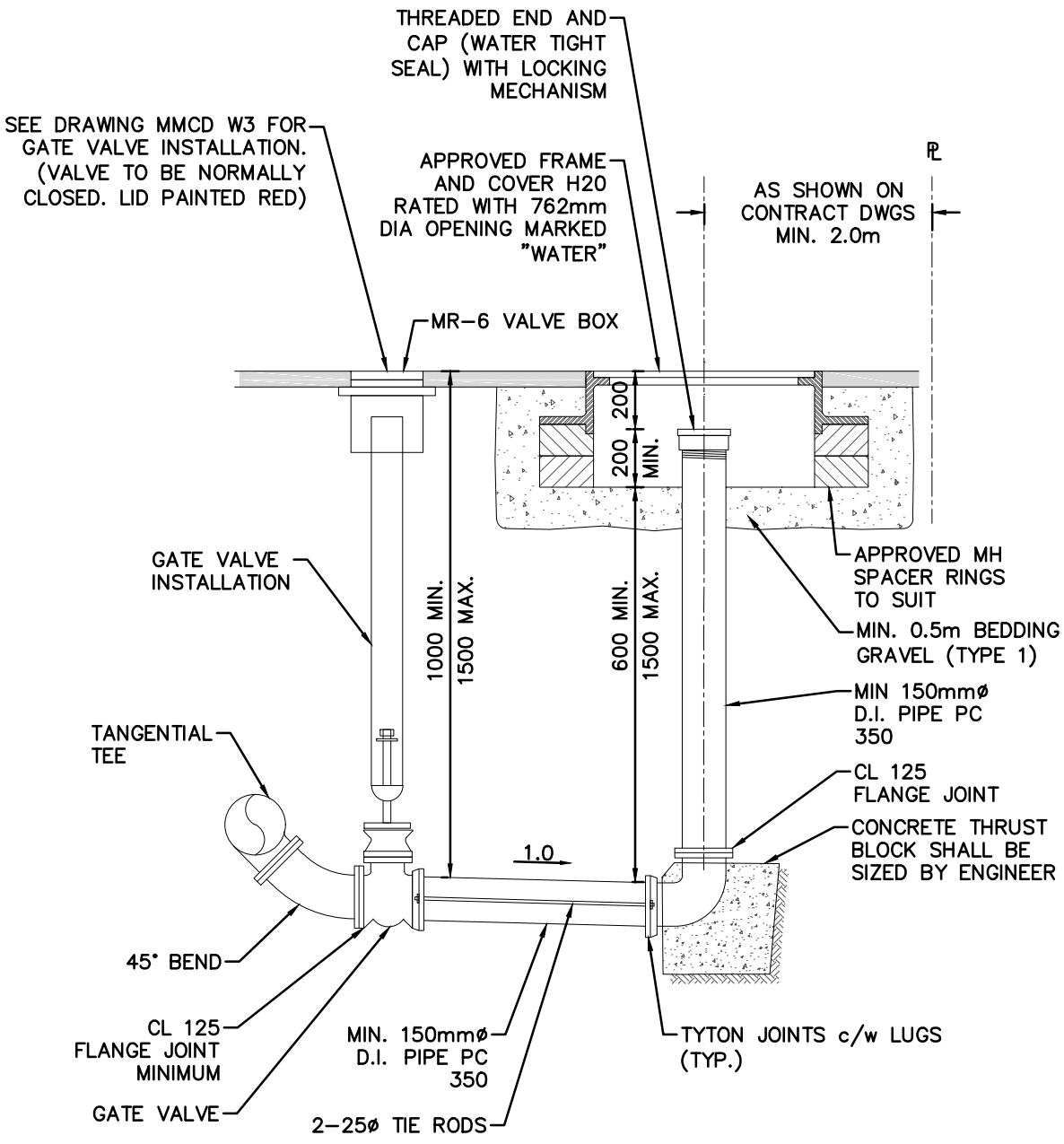
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

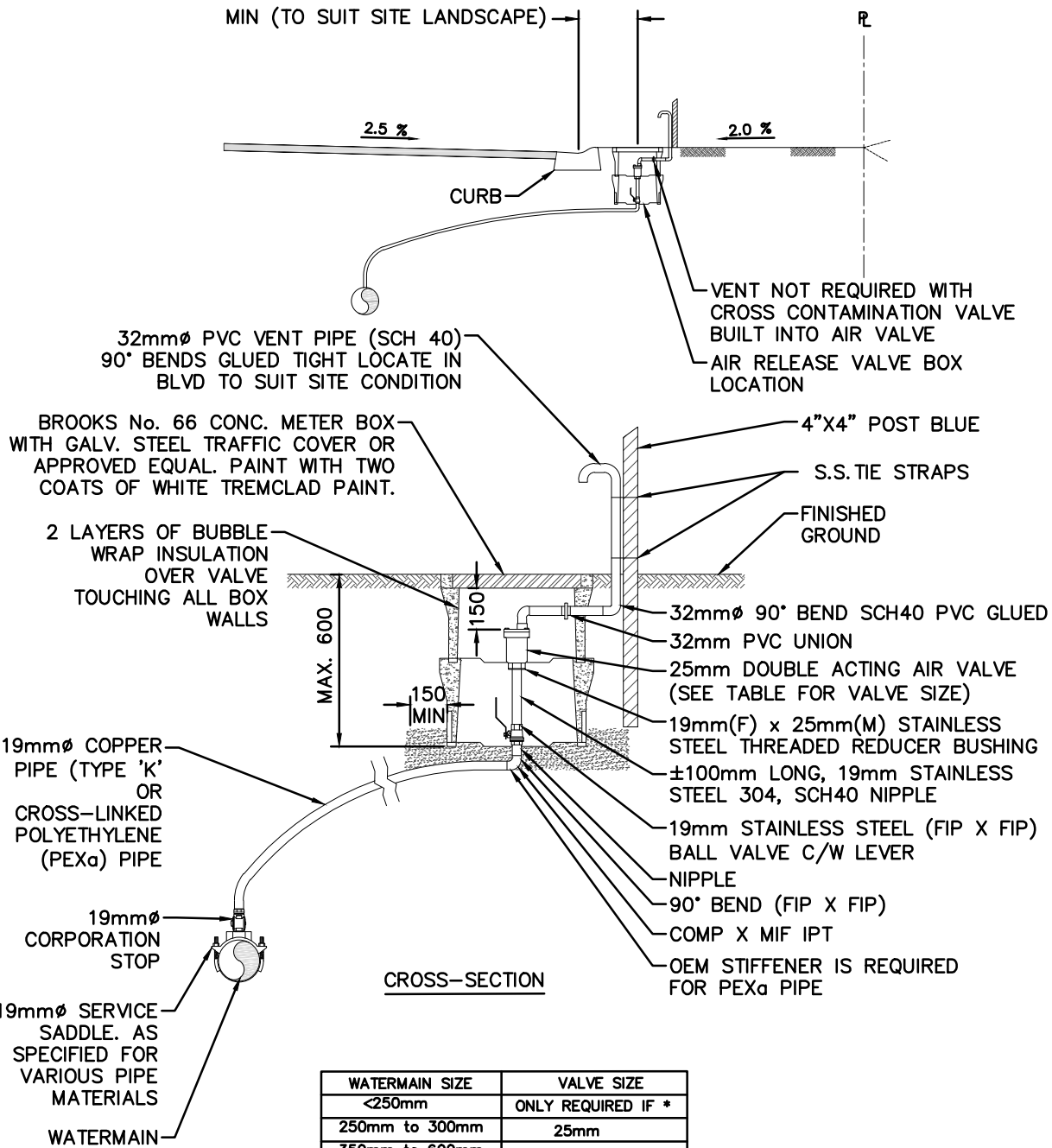
DSD-W.2



NOTE:

1. COMBINATION AIR VALVE & CHAMBER IS REQUIRED AT THE HIGH END OF THE ISOLATED SECTION OF WATERMAIN TO BE BLOWN DOWN.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **BLOW DOWN CHAMBER**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-W.3
			Scale: N.T.S Date: FEBRUARY, 2026	



CROSS-SECTION

WATERMAIN SIZE	VALVE SIZE
<250mm	ONLY REQUIRED IF *
250mm to 300mm	25mm
350mm to 600mm	50mm
>600mm	SPECIAL DESIGN

* 1. THE DIFFERENCE IN ELEVATION BETWEEN THE SUMMIT AND VALLEY IS GREATER THAN 600mm OR
2. THERE ARE NO ACTIVE SERVICE CONNECTIONS SUITABLY LOCATED TO DISSIPATE ENTRAPPED AIR

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **AIR RELEASE VALVE INSTALLATION**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

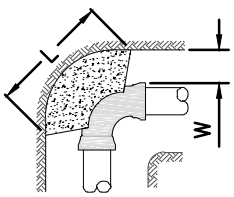
Approved By :

Scale: N.T.S

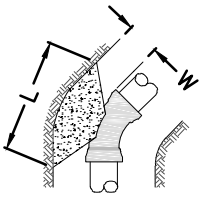
Date: FEBRUARY, 2026

DRAWING NUMBER

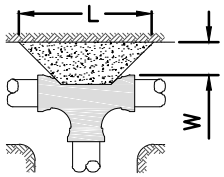
DSD-W.4



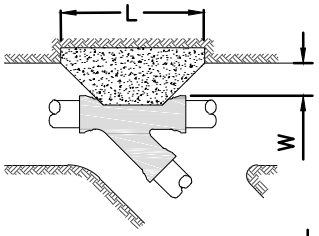
HORIZONTAL 90° BEND



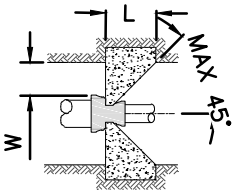
HORIZONTAL 45° BEND



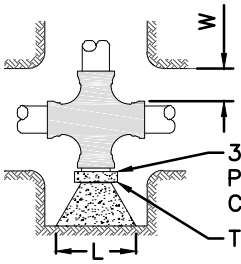
TEE



LATERAL



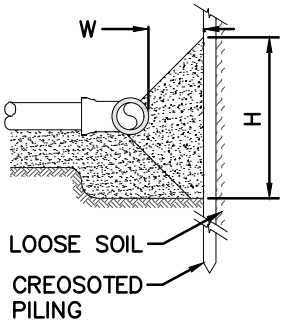
REDUCER

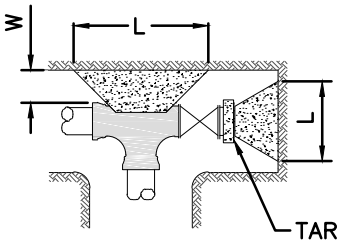


300 X 300 X 100 PRECAST CONCRETE BLOCK

TAR PAPER

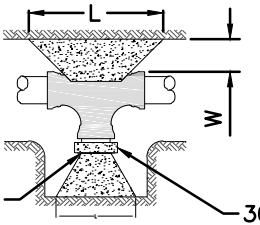
CROSS WITH PLUG





TAR PAPER

TEE WITH VALVE



TEE WITH PLUG

300 X 300 X 100 PRECAST CONCRETE BLOCK

NOTES:

1. ANYTHING ABOVE 300mm DIA. SHOULD BE DESIGNED BY A PROFESSIONAL ENGINEER.
2. WHERE GROUND CANNOT BE EXCAVATED TO FREE STANDING UNDISTURBED SOIL, SMALL BLANK SHEET PILING SHALL BE DRIVEN TO PROVIDE UNDISTURBED THRUST PILING TO BE DRIVEN PRIOR TO EXCAVATING FOR THRUST BLOCK, PILING SHOULD BE USED ONLY BELOW THE PERMANENT WATER TABLE.

MIMINUM THRUST AREAS FOR FITTINGS AT IMPa PRESSURE AND FOR SOILS WITH MIN. BEARING OF 100kPa (NOT TO BE USED FOR SOFT CLAY, MUCK, PEAT etc.)

TYPE OF FITTING	FITTING SIZE D	OUTSIDE OF FITTING TO BEARING FACE W	RECESS IN TRENCH WALL W1	LENGTH L	HEIGHT H	TYPE OF FITTING	FITTING SIZE D	OUTSIDE OF FITTING TO BEARING FACE W	RECESS IN TRENCH WALL W1	LENGTH L	HEIGHT H
90° BEND	150 200 250 300	300 350 375 400		900 1100 1500 1750	500 650 800 950	CROSS	150 200 250 300	300 350 375 400		650 800 1050 1300	450 650 800 950
45° BEND	150 200 250 300	300 350 375 400		500 700 850 1000	450 600 750 900	45° LATERAL	150 200 250 300	300 350 375 400	300 400 500 600	500 700 850 1000	450 600 750 900
22 1/2° BEND	150 200 250 300	300 350 375 400		450 600 850 900	250 350 500 500	REDUCER*	150 200 250 300	300 350 375 400	150 200 250 300	500 700 250 1000	450 600 750 900
TEE	150 200 250 300	300 350 375 400		600 800 1000 1300	500 600 800 950	CAPS AND PLUGS (IF NOT BOLTED)	150 200 250 300	300 350 375 400		500 700 850 1000	450 600 750 900

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **THRUST BLOCK DETAILS**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

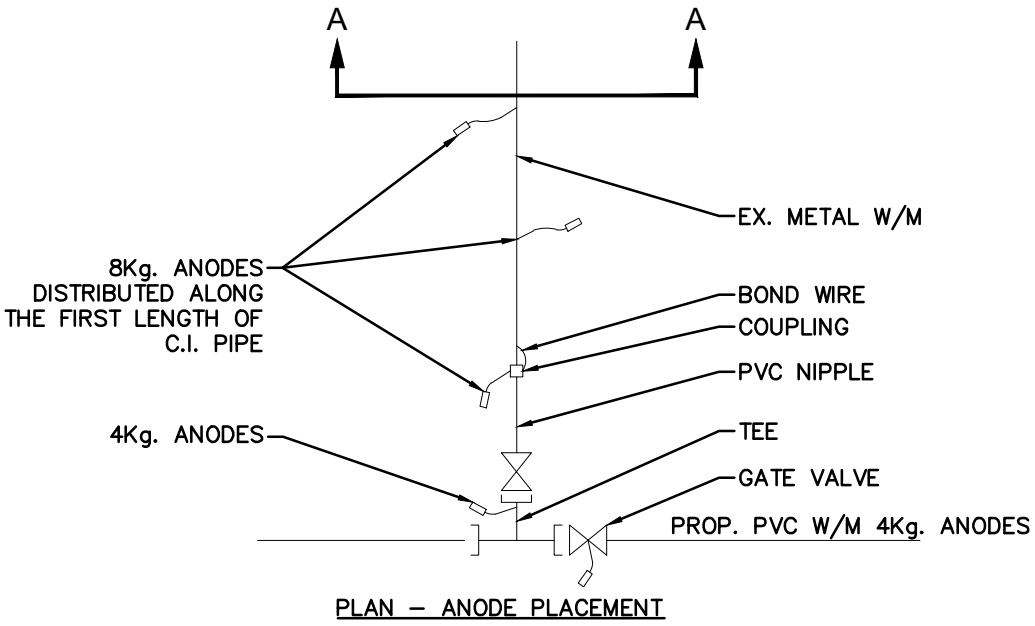
Approved By :

Scale: N.T.S

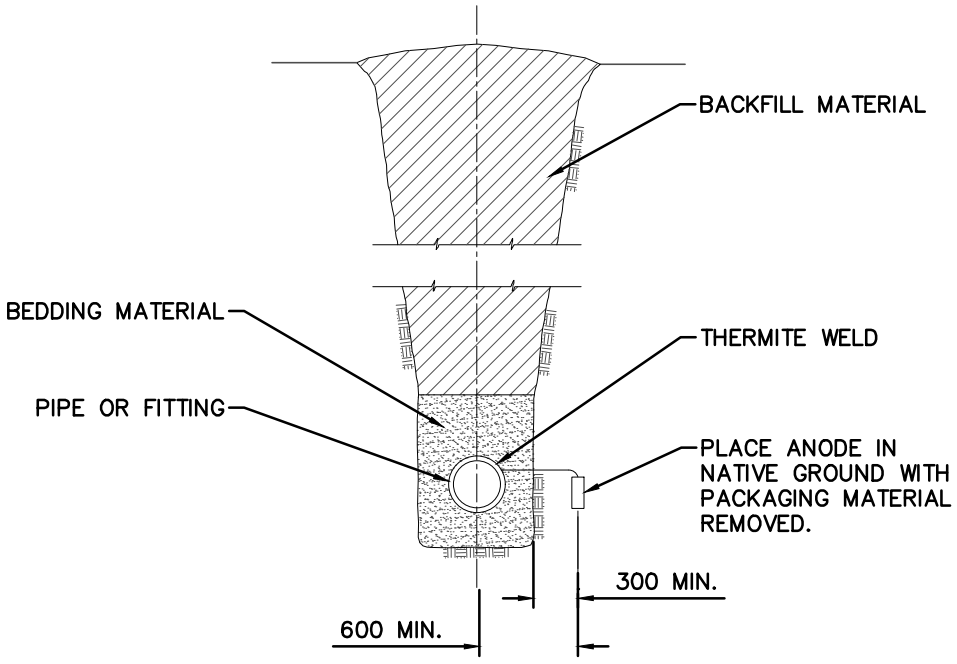
Date: FEBRUARY, 2026

DRAWING NUMBER

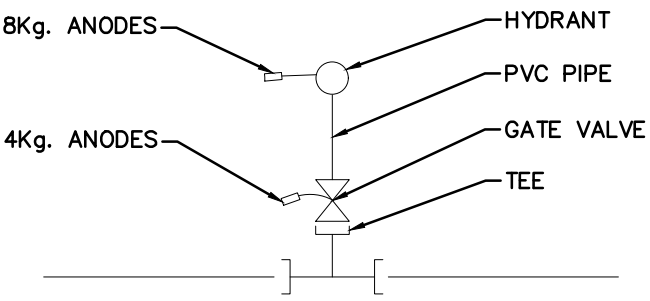
DSD-W.5



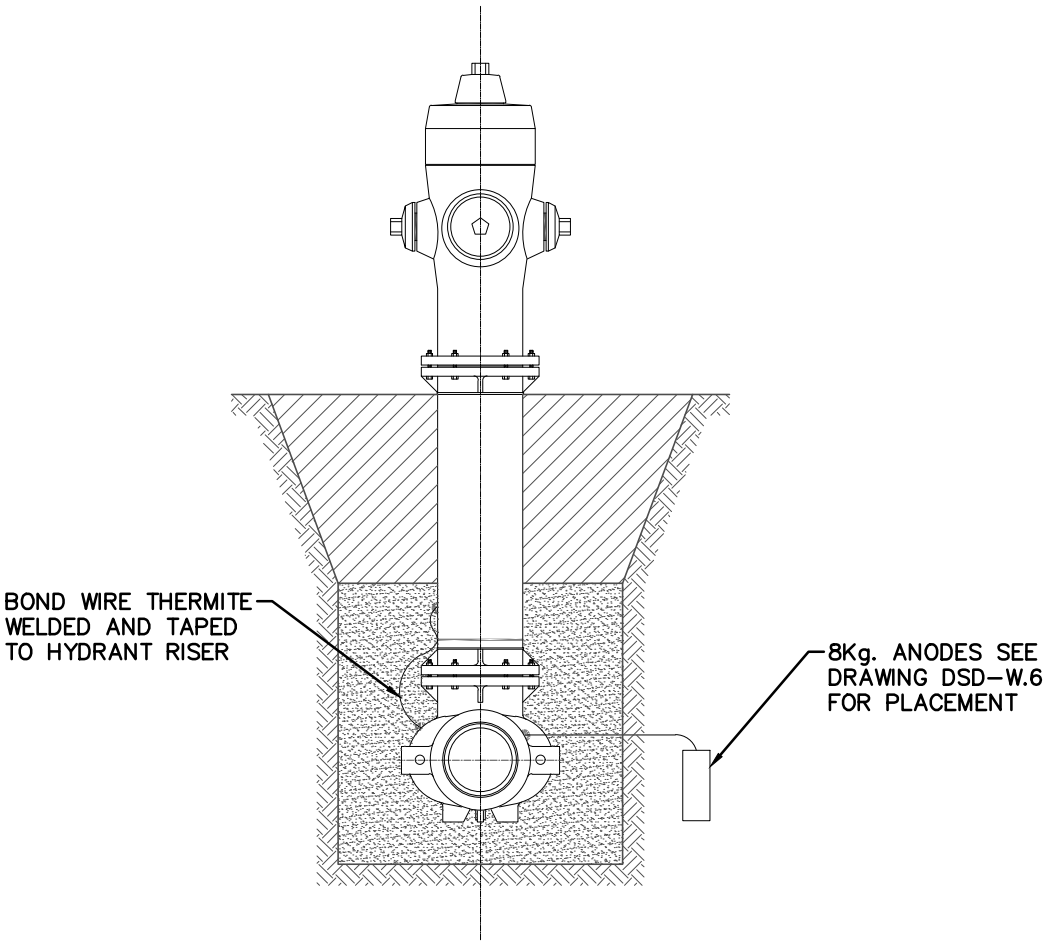
PLAN – ANODE PLACEMENT



			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **CATHODIC PROTECTION STANDARD ANODE PLACEMENT**	
No.	Revision	Approved		
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.6
			Scale: N.T.S Date: FEBRUARY, 2026	

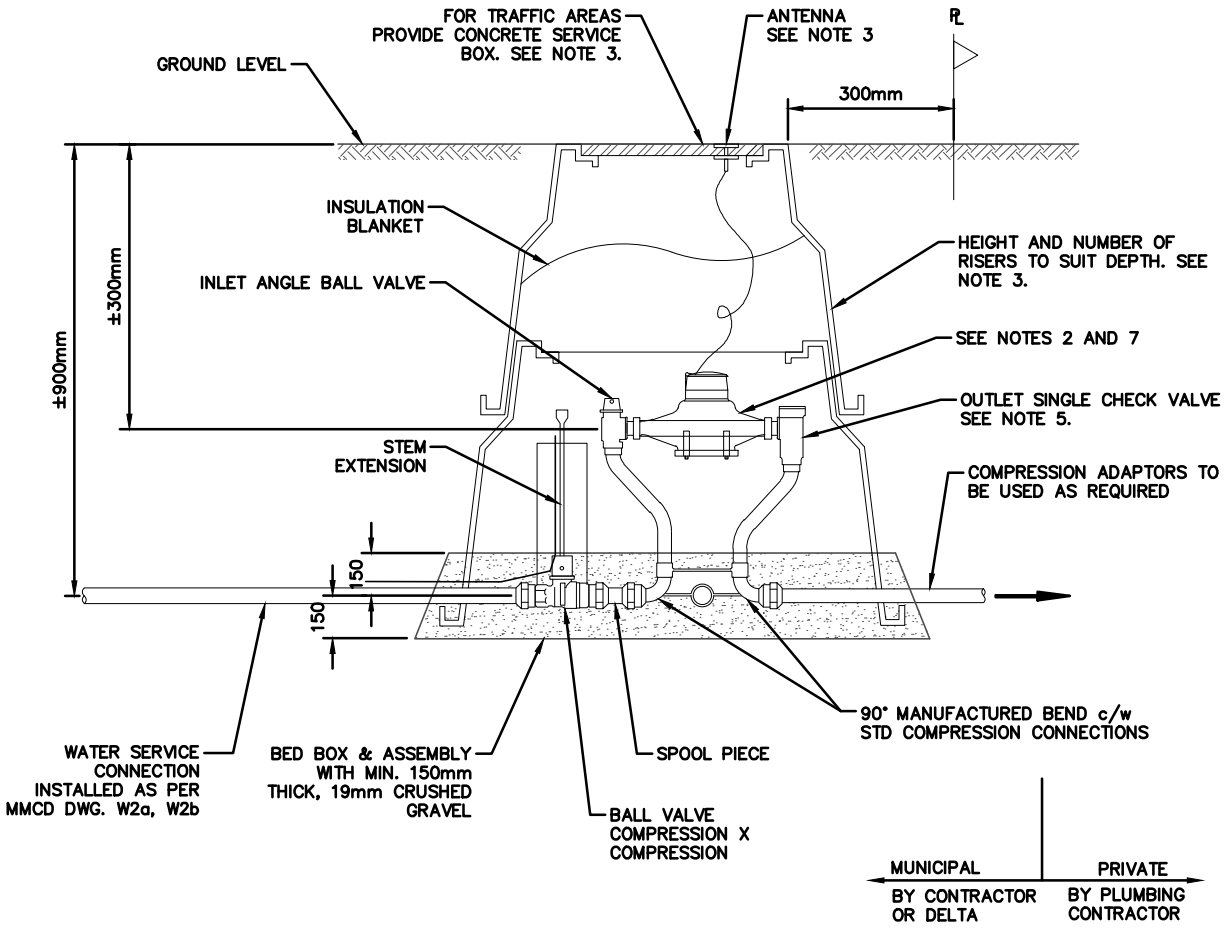


PLAN



ELEVATION

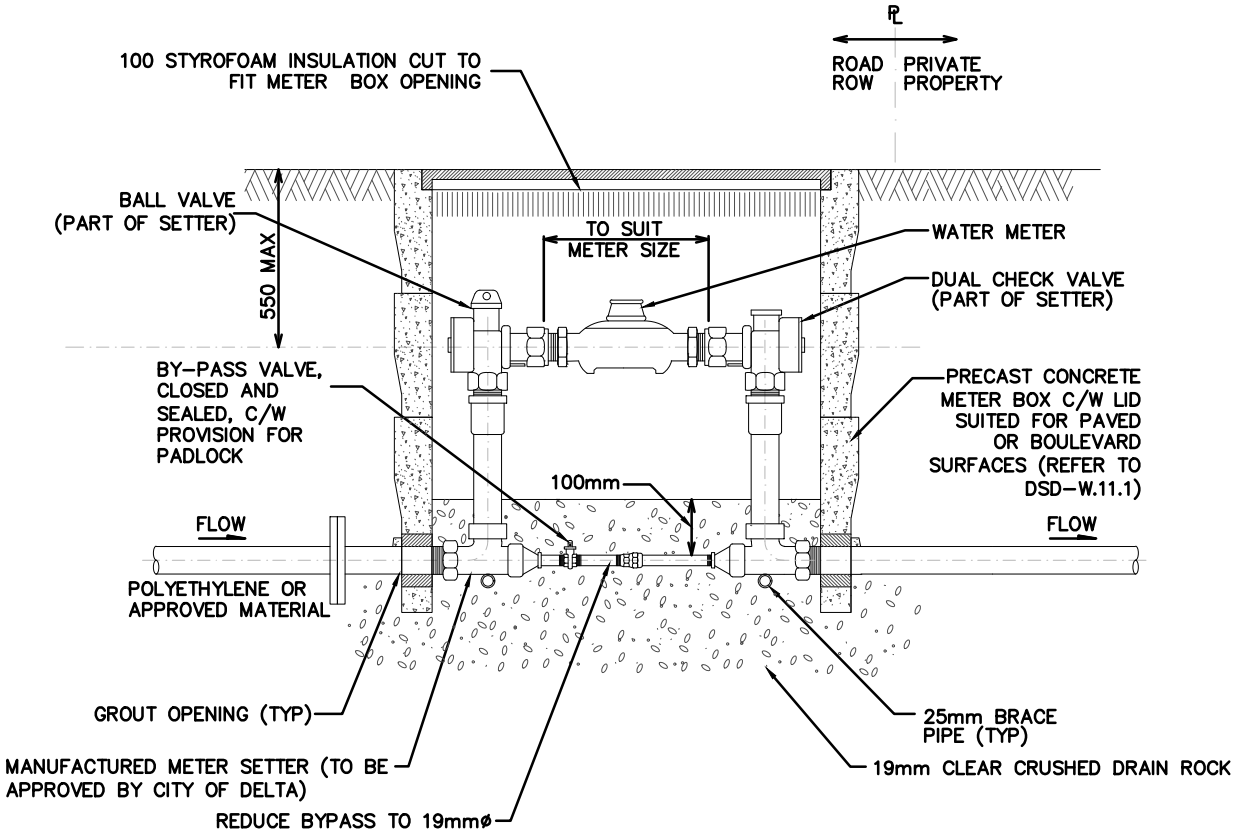
			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **CATHODIC PROTECTION ANODE PLACEMENT ON HYDRANT**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-W.7
			Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. METER CHAMBER TO BE INSTALLED IN AN EASILY ACCESSIBLE LOCATION ON MUNICIPAL PROPERTY AND CONFORM TO DELTA STANDARDS AND THE LATEST B.C. PLUMBING CODE.
2. WATER METER C/W TRANSCEIVER RADIO TO BE SUPPLIED AND INSTALLED BY DELTA/CONTRACTOR. RADIO AND METER TO BE SEPARATED, NOT INTEGRATED.
3. METER BOX IN BOULEVARD c/w SNAP LOCK AND FOIL BLANKET IN TRAFFIC AREAS METER BOX TO BE A & E CONCRETE LTD. SERVICE BOX C/W FLUSH GALVANIZED CHECKER PLATE COVER WITH PICK HOLES AND 45mmø OPENING FOR REMOTE METER SENSORS (H20 LOADING).
4. METER SETTER FOR 15mm, 20mm, OR 25mm METER WITH 375mm EXTENDED OUTLET OR APPROVED EQUIVALENT.
5. THE INTERNAL SPRING OF THE SINGLE CHECK VALVE IS TO BE REMOVED FOR DWELLINGS CONSTRUCTED PRIOR TO 2006.
6. FOR CAPITAL PROJECTS A SPOOL PIECE IS TO BE INSTALLED IN PLACE OF A WATER METER.
7. ALL POTABLE WATER COMPONENTS MUST BE LEAD FREE NSF/ANSI 61 CERTIFIED.
8. REMOVE EXISTING CURB STOP.
9. INSULATION BLANKET TO FULLY COVER AREA INSIDE BOX.
10. PRELOCATE ALL EXISTING UTILITIES BEFORE EXCAVATION.
11. WATER SERVICE PIPE TO BE PEX-A OR APPROVED EQUIVALENT.
12. FOR CAPITAL PROJECTS A SPOOL PIECE IS TO BE INSTALLED IN PLACE OF A WATER METER.
13. REFER TO 'DELTA APPROVED MATERIALS LIST' FOR APPROVED MATERIAL TYPES.

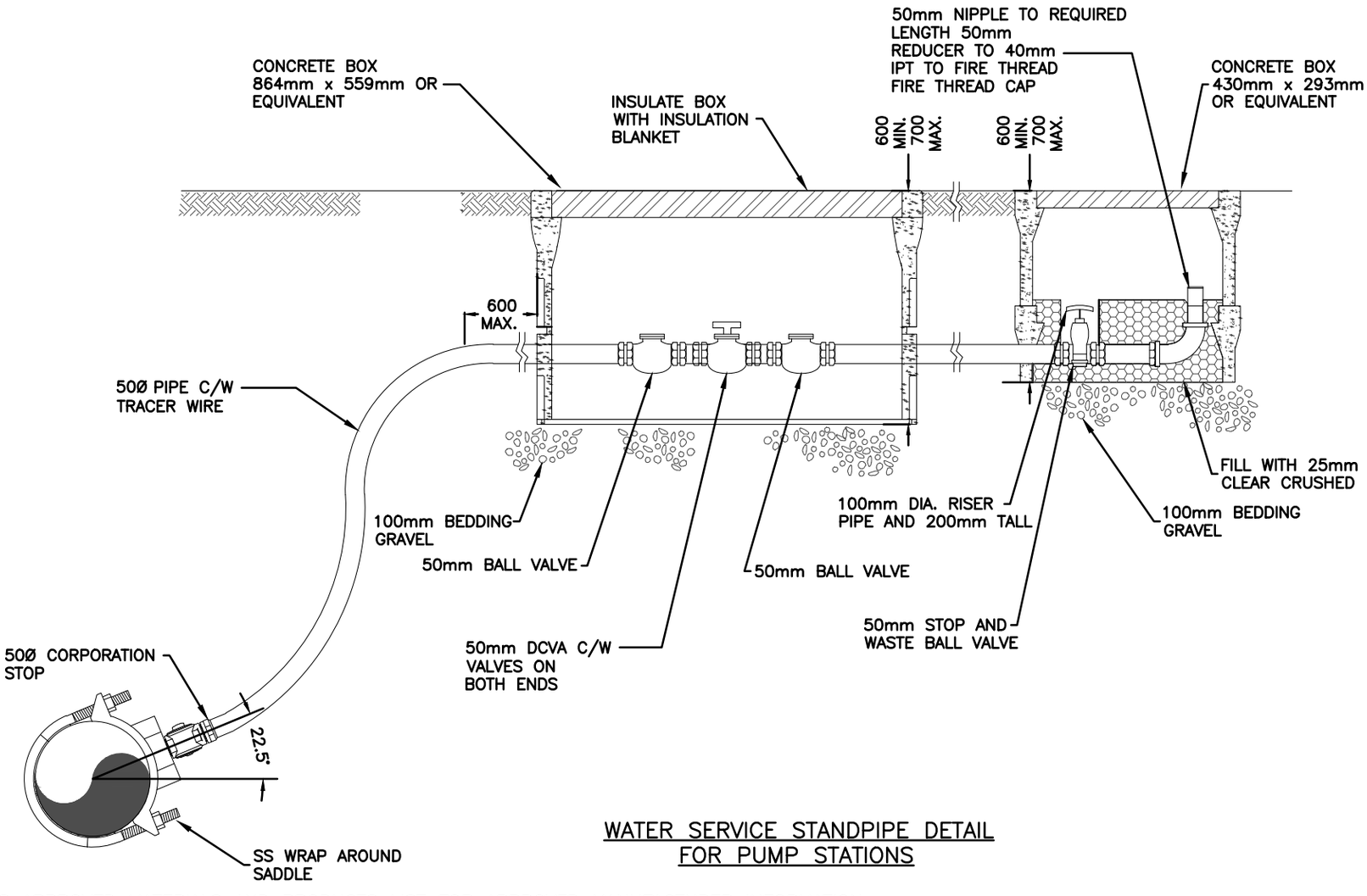
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **OUTSIDE WATER METER CHAMBER FOR 19mm & 25mm SERVICE CONNECTION**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.8
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. AFTER METER INSTALLATION, THE BYPASS VALVE MUST BE CLOSED AND SEALED.
2. REFER TO DSD-W.11.1 FOR METER BOX SIZE.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **50mm WATER METER SERVICE**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-W.9
			Scale: N.T.S Date: FEBRUARY, 2026	

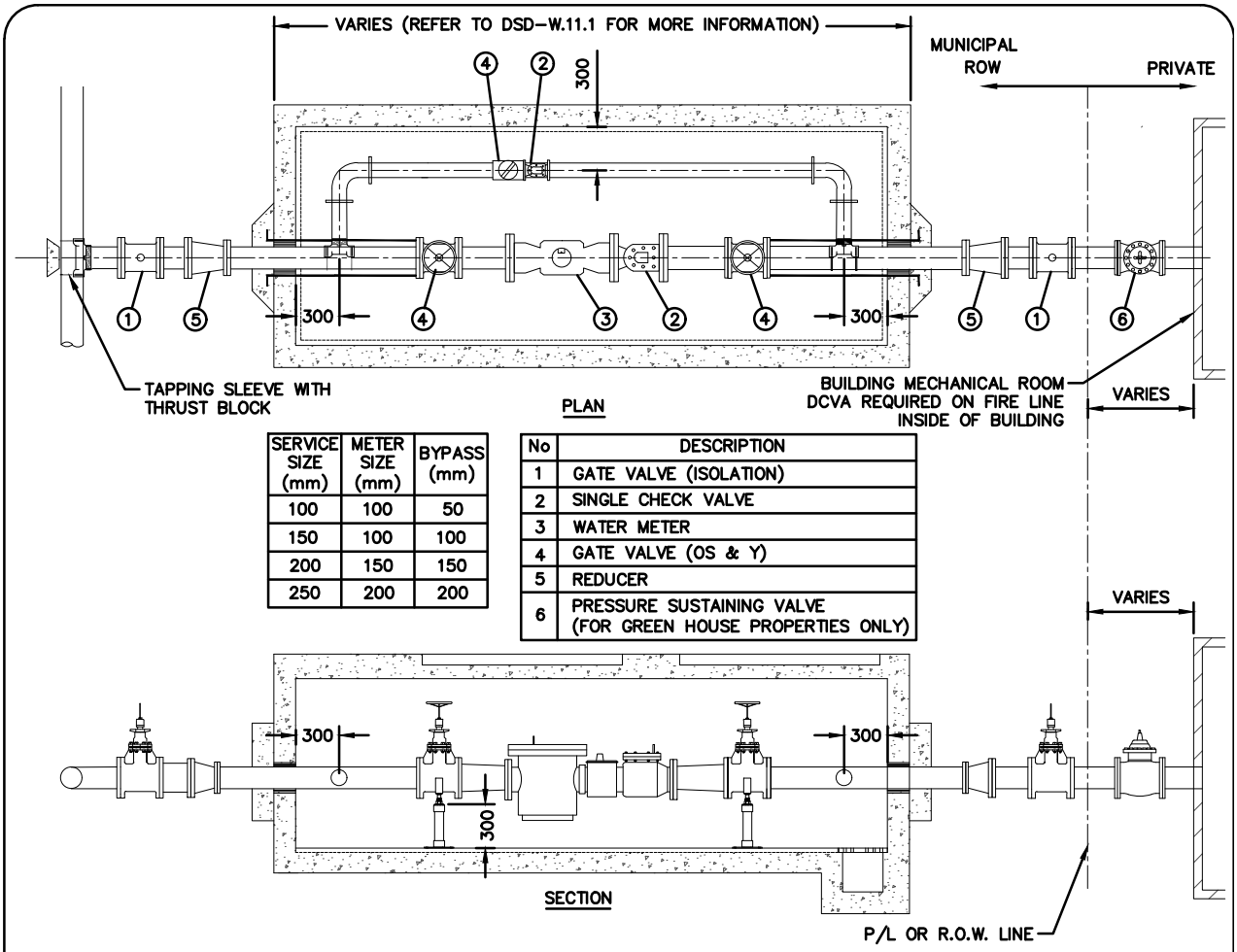


WATER SERVICE STANDPIPE DETAIL
FOR PUMP STATIONS

NOTE:

1. REFER TO DELTA'S APPROVED MATERIALS AND PRODUCTS LIST FOR APPROVED MANUFACTURER INFORMATION.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **50mm STANDPIPE DETAIL**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.9.1
		Scale: N.T.S Date: FEBRUARY, 2026	



SERVICE SIZE (mm)	METER SIZE (mm)	BYPASS (mm)
100	100	50
150	100	100
200	150	150
250	200	200

No	DESCRIPTION
1	GATE VALVE (ISOLATION)
2	SINGLE CHECK VALVE
3	WATER METER
4	GATE VALVE (OS & Y)
5	REDUCER
6	PRESSURE SUSTAINING VALVE (FOR GREEN HOUSE PROPERTIES ONLY)

NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO DELTA MASTER MUNICIPAL SPECIFICATIONS AND CURRENT BC PLUMBING CODE.
2. BYPASS SIZE TO BE REFERRED TO TABLE.
3. RADIO AND METER ARE TO BE SEPARATED, NOT INTEGRATED.
4. CHAMBER AND ROOF TO BE DESIGNED FOR H–20 LOADING IN TRAFFIC AREAS.
5. CHAMBER MUST HAVE SUFFICIENT COMPACTED GRAVEL BASE TO PREVENT EXCESSIVE SETTLEMENT.
6. WALLS AND FLOOR TO BE MONOLITHIC POUR OR FLEXIBLE SEALING MEMBER MUST BE INSTALLED BETWEEN FLOOR AND WALLS. PRECAST CHAMBERS MAY BE USED, BUT JOINTS MUST BE SEALED.
7. HATCH TO BE USF AHD ANGLE FRAME , HEAVY DUTY, DOUBLE COVER 30"x 54"[762mm x 1372mm] C/W OVERSIZED PADLOCK OR APPROVED EQUIVALENT.
8. PROVISION MUST BE MADE IN PIPING FOR REMOVAL OF METER.
9. METER TO BE SIZED IN ACCORDANCE WITH APPROVED DRAWINGS.
10. REFER TO APPROVED PRODUCT LIST FOR APPROVED METER AND TRANSCEIVER RADIO MANUFACTURERS.
11. IF METER REQUIRES A STRAINER, IT SHALL BE INSTALLED DOWNSTREAM OF THE WATER METER.
12. LID TO BE FITTED WITH TOUCH PAD FOR METER READING.
13. MIN. 300mm CLEARANCE, FINISHED FLOOR TO PIPING.
14. ALL SURFACES TO BE RESTORED TO ORIGINAL OR BETTER CONDITION.
15. AREA WITH HIGH GROUND WATER TABLE MAY REQUIRE POWER FOR SUMP PUMP.
16. NO HYDRANT CONNECTION BETWEEN PROPERTY LINE AND BUILDING. HYDRANT CONNECTION ONLY ALLOWED IF DCVA IS INSTALLED UPSTREAM OF THE HYDRANT LEAD.
17. SPOOL PIECES WITH THRUST PLATE AND 50mm TAP TO BE INSTALLED GOING THROUGH CHAMBER WALL. THRUST PLATE TO BE CONCRETE ENCASED OUTSIDE OF CHAMBER AND 50mm TAP TO BE FITTED WITH 100mm PRESSURE GAUGE IN CHAMBER.
18. ALL PIPE SPOOL PIECES IN WATER METER CHAMBER TO BE DUCTILE IRON OR STAINLESS STEEL.
19. OPTIONAL MECHANICAL FLANGE ADAPTER TO BE INSTALLED ON THE BYPASS BETWEEN CHECK VALVE AND DOWNSTREAM 90 DEG BEND.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **COMMERCIAL & MULTI-FAMILY METER CHAMBER FOR COMBINED SERVICE**

Delta

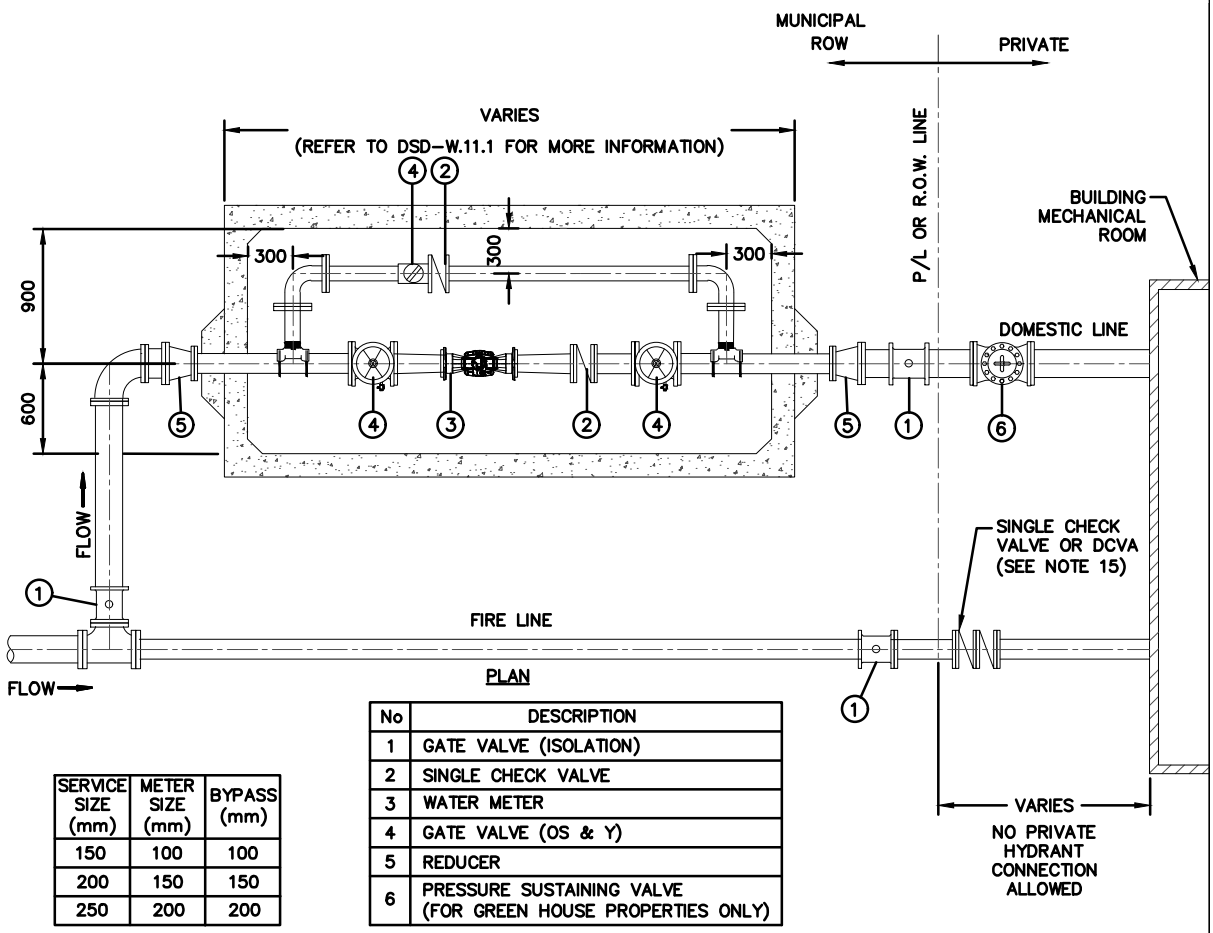
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-W.10



SERVICE SIZE (mm)	METER SIZE (mm)	BYPASS (mm)
150	100	100
200	150	150
250	200	200

No	DESCRIPTION
1	GATE VALVE (ISOLATION)
2	SINGLE CHECK VALVE
3	WATER METER
4	GATE VALVE (OS & Y)
5	REDUCER
6	PRESSURE SUSTAINING VALVE (FOR GREEN HOUSE PROPERTIES ONLY)

NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO DELTA MASTER MUNICIPAL SPECIFICATIONS AND CURRENT BC PLUMBING CODE.
2. BYPASS SIZE TO BE REFERRED TO TABLE.
3. CHAMBER AND ROOF TO BE DESIGNED FOR H-20 LOADING IN TRAFFIC AREAS.
4. CHAMBER MUST HAVE SUFFICIENT COMPACTED GRAVEL BASE TO PREVENT EXCESSIVE SETTLEMENT.
5. WALLS AND FLOOR TO BE MONOLITHIC POUR OR FLEXIBLE SEALING MEMBER MUST BE INSTALLED BETWEEN FLOOR AND WALLS. PRECAST CHAMBERS MAY BE USED, BUT JOINT MUST BE SEALED.
6. HATCH TO BE USF AHD ANGLE FRAME , HEAVY DUTY, DOUBLE COVER 36"x 60"[914mm x 1524mm] OR EQUIVALENT.
7. PROVISION MUST BE MADE IN PIPING FOR REMOVAL OF METER.
8. METER TO BE SIZED IN ACCORDANCE WITH APPROVED DRAWINGS.
9. OWNER(S) TO CONSTRUCT CHAMBER AND INSTALL METER. RADIO AND METER ARE TO BE SEPARATED, NOT INTEGRATED (SIZES SHALL BE AS PER APPROVED PRODUCTS LIST). SERVICES LARGER THAN 250mm MAY REQUIRE LARGER CHAMBER.
10. REFER TO APPROVED PRODUCT LIST FOR APPROVED METER AND TRANSCEIVER RADIO MANUFACTURERS.
11. LID TO BE FITTED WITH TOUCH PAD FOR METER READING.
12. MIN. 300mm CLEARANCE, FINISHED FLOOR TO PIPING.
13. ALL SURFACES TO BE RESTORED TO ORIGINAL OR BETTER CONDITION.
14. AREAS WITH HIGH GROUND WATER TABLE MAY REQUIRE POWER FOR SUMP PUMP.
15. DCVA REQUIRED ON PRIVATE SIDE OF PROPERTY LINE IF THE SPACING BETWEEN PROPERTY LINE AND MECHANICAL ROOM IS GREATER THAN 15m. IF SPACING IS LESS THAN 15m DCVA IS REQUIRED INSIDE MECHANICAL ROOM.
16. SPOOL PIECES WITH THRUST PLATE AND 50mm TAP TO BE INSTALLED GOING THROUGH CHAMBER WALL. THRUST PLATE TO BE CONCRETE ENCASED OUTSIDE OF CHAMBER AND 50mm TAP TO BE FITTED WITH 100mm PRESSURE GAUGE IN CHAMBER.
17. ALL PIPE SPOOL PIECES IN WATER METER CHAMBER TO BE DUCTILE IRON OR STAINLESS STEEL.
18. OPTIONAL MECHANICAL FLANGE ADAPTER TO BE INSTALLED ON THE BYPASS BETWEEN CHECK VALVE AND DOWNSTREAM 90 DEG BEND.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **INDUSTRIAL, COMMERCIAL & MULTI-FAMILY METER CHAMBER FOR SEPARATE SERVICE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-W.11

WATER SERVICE SIZE	DESCRIPTION
19mm	T266 SERVICE BOX(1)
25mm	5686 SERVICE BOX(2)
38mm	5686 SERVICE BOX(2)
50mm	5686 SERVICE BOX(2)
100mm WATER SERVICE c/w 100mm METER & 50mm BYPASS	2121 CHAMBER
150mm WATER SERVICE c/w 100mm METER & 100mm BYPASS	3151 CHAMBER
200mm WATER SERVICE c/w 150mm METER & 150mm BYPASS	3152 CHAMBER
250mm WATER SERVICE c/w 200mm METER & 200mm BYPASS	332120 CHAMBER

NOTES

- ABOVE SIZING IS FOR GUIDANCE ONLY. SHOP DRAWINGS SHOULD BE PREPARED TO ENSURE THAT ALL INFRASTRUCTURE WILL SUFFICIENTLY FIT INSIDE THE CHAMBER/BOX.
- APPROVED EQUIVALENT FOR SERVICE BOX/CHAMBER MAY BE CONSIDERED, SUBJECT TO APPROVAL FROM THE ENGINEERING DEPARTMENT.
- SPOOL PIECE WITH THRUST PLATE IS REQUIRED TO GO THROUGH WATER CHAMBER WALLS. DETAIL DRAWINGS CAN BE PROVIDED BY THE CITY OF DELTA.
- CHAMBERS SHOULD BE INSTALLED OUTSIDE OF THE DRIVEWAY AREA WITH AN ALUMINUM CHAMBER HATCH. IF A CHAMBER MUST GO IN A DRIVEWAY, A C-23 DOBNEY FOUNDRY (OR EQUIVALENT) MANHOLE MUST BE USED.
- 1 DAVIT IS TO BE INSTALLED FOR CHAMBERS LESS THAN 3m IN DEPTH. 2 DAVITS ARE TO BE INSTALLED FOR CHAMBERS MORE THAN 3m IN DEPTH. DAVITS SHOULD BE 200mm FROM THE EDGE OF THE HATCH.

1. USE CARSON 1730 ARMOR ACCESS BOX FOR SOFTSCAPE AND T266 SERVICE BOX FOR HARDSCAPE.
2. USE ARMOR ACCESS BOXES 195102 WITH BOX 195036 FOR SOFTSCAPE SURFACES AND 195103 WITH BOX 195035 C/W SNAP LOCK IN BOULEVARD WITH HARD SURFACES.

No.	Revision	Approved

All Dimensions Shown In Millimetres,
Unless Otherwise Noted

Title : **WATER METER CHAMBER DETAILS**

Delta

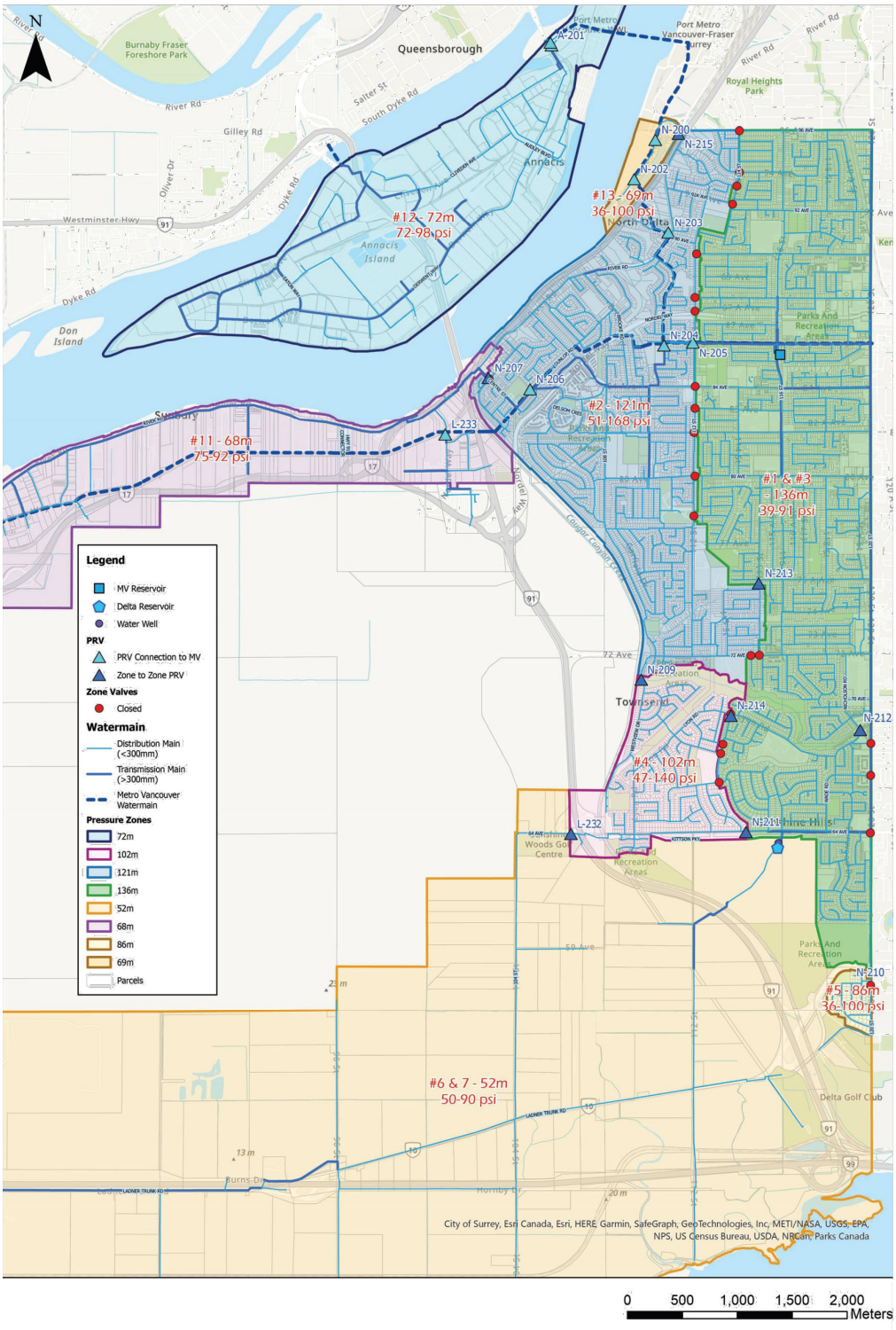
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

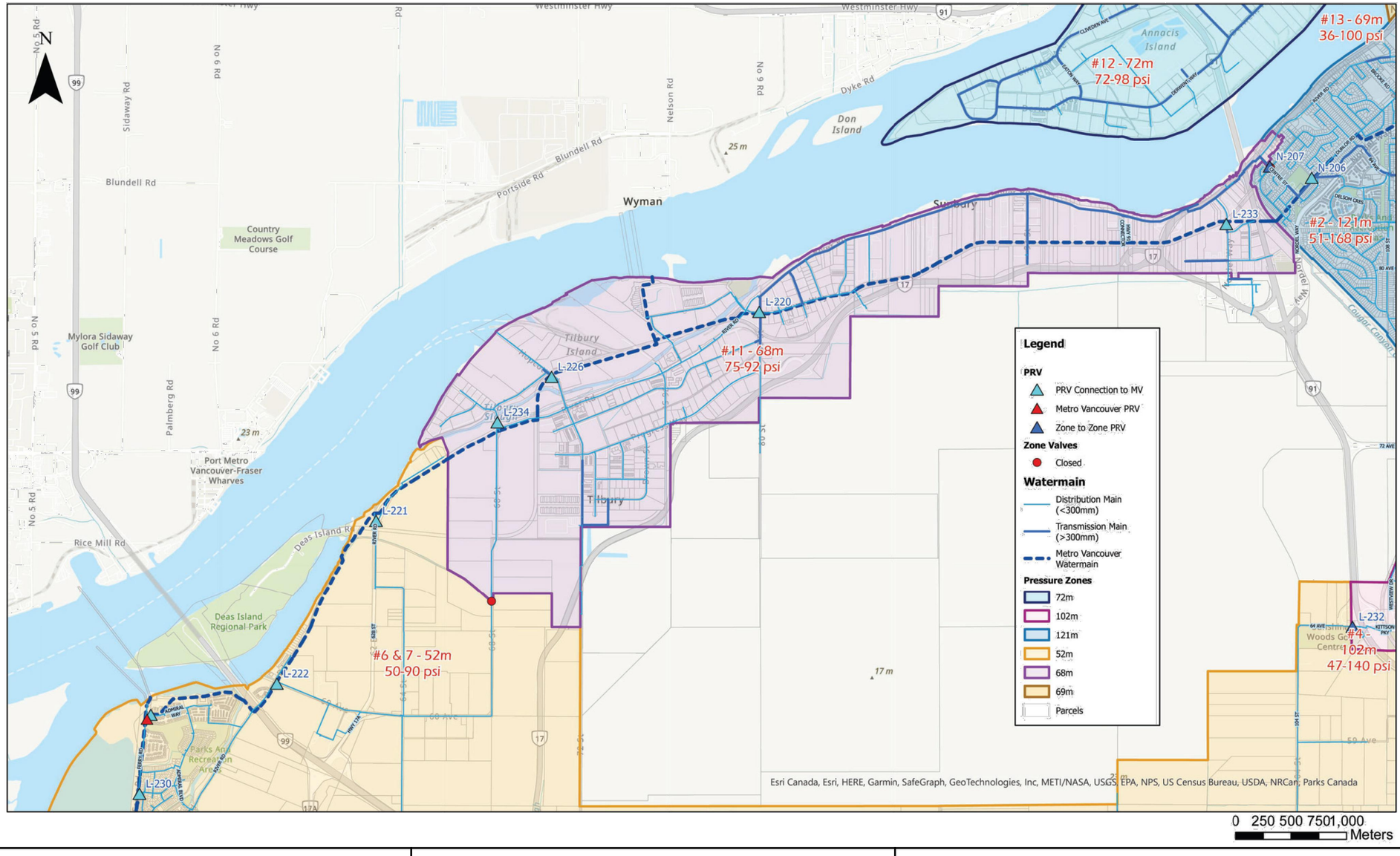
Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

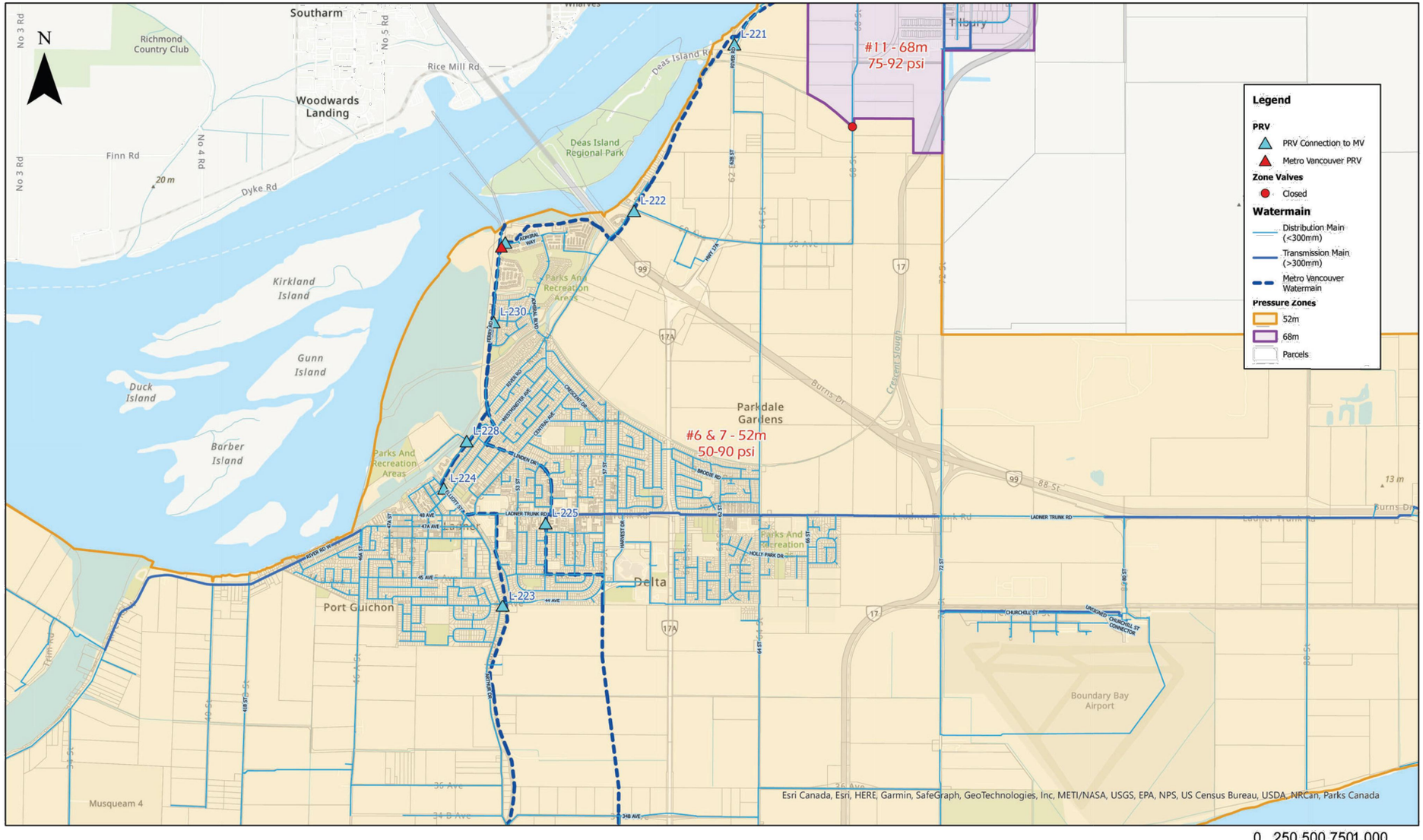
DSD-W.11.1



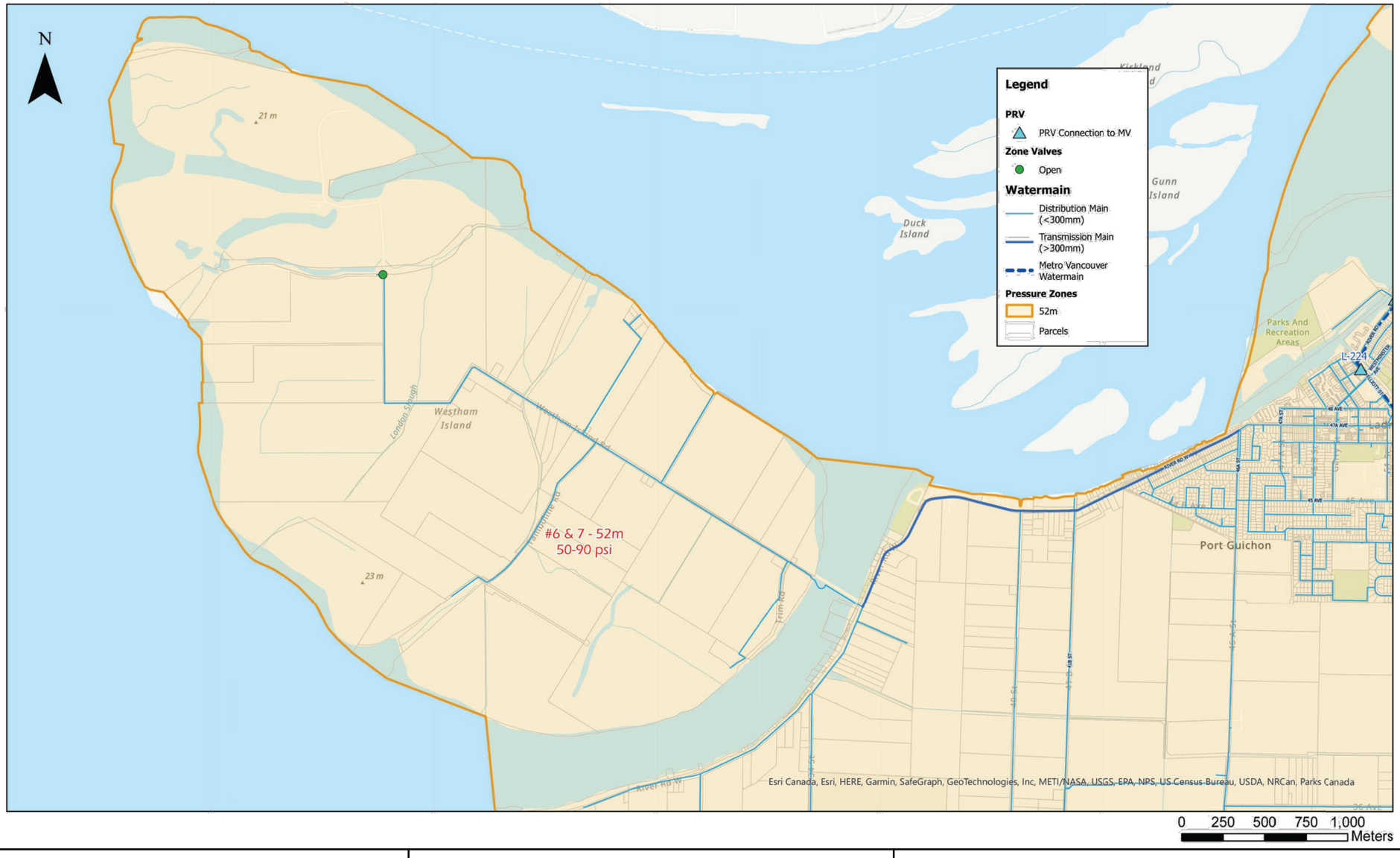
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **WATER PRESSURE ZONE MAP - NORTH DELTA**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.12
		Scale: N.T.S Date: FEBRUARY, 2026	



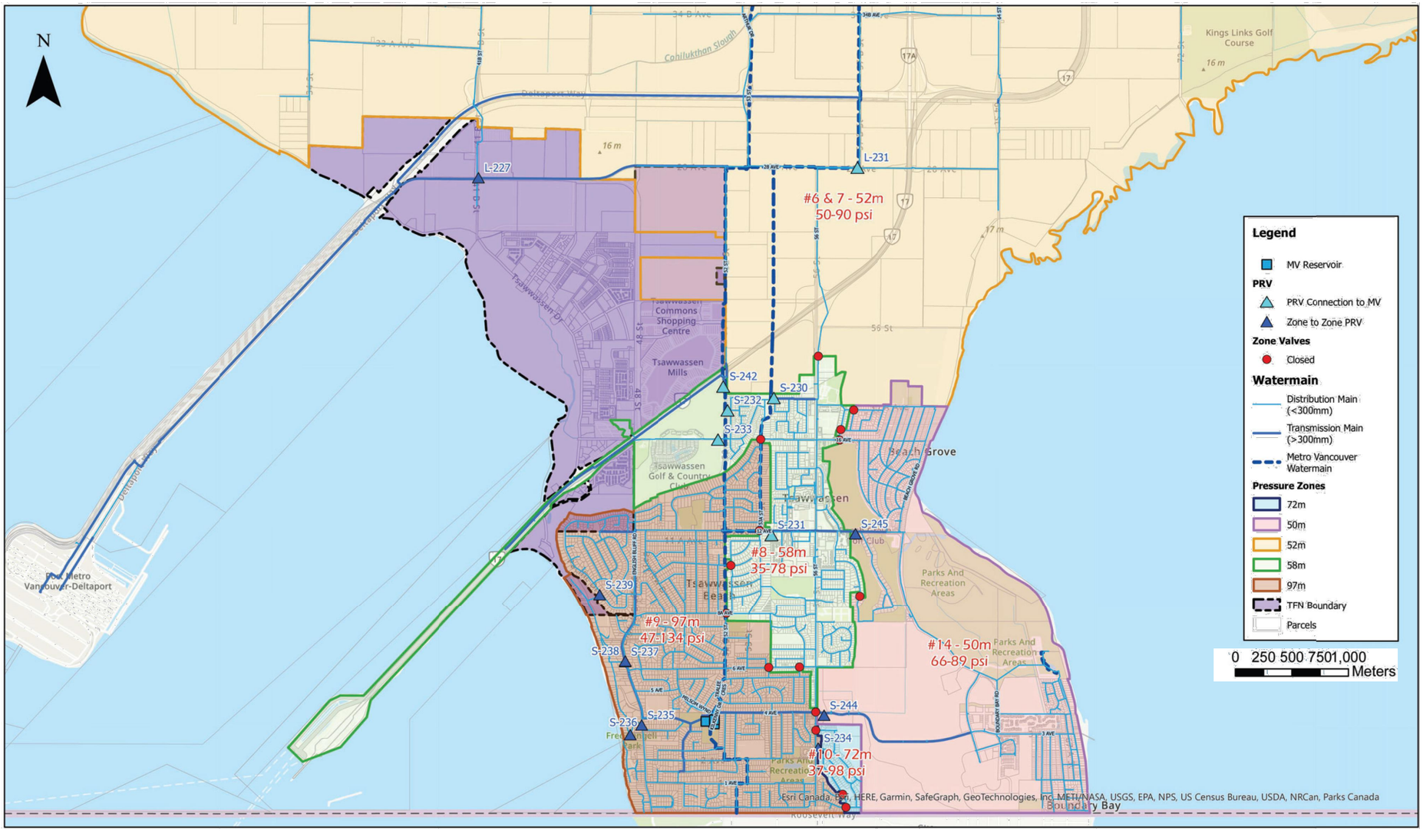
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **WATER PRESSURE ZONE MAP - TILBURY**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.13
		Scale: N.T.S Date: FEBRUARY, 2026	



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **WATER PRESSURE ZONE MAP - LADNER**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.14
		Scale: N.T.S Date: FEBRUARY, 2026	

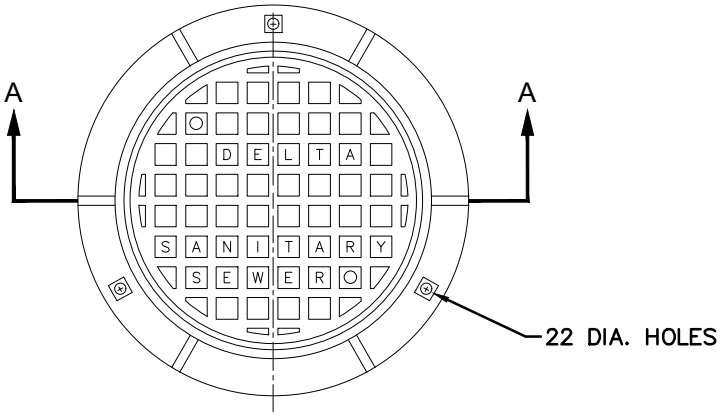


			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **WATER PRESSURE ZONE MAP - WESTHAM ISLAND**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.15
		Scale: N.T.S Date: FEBRUARY, 2026	

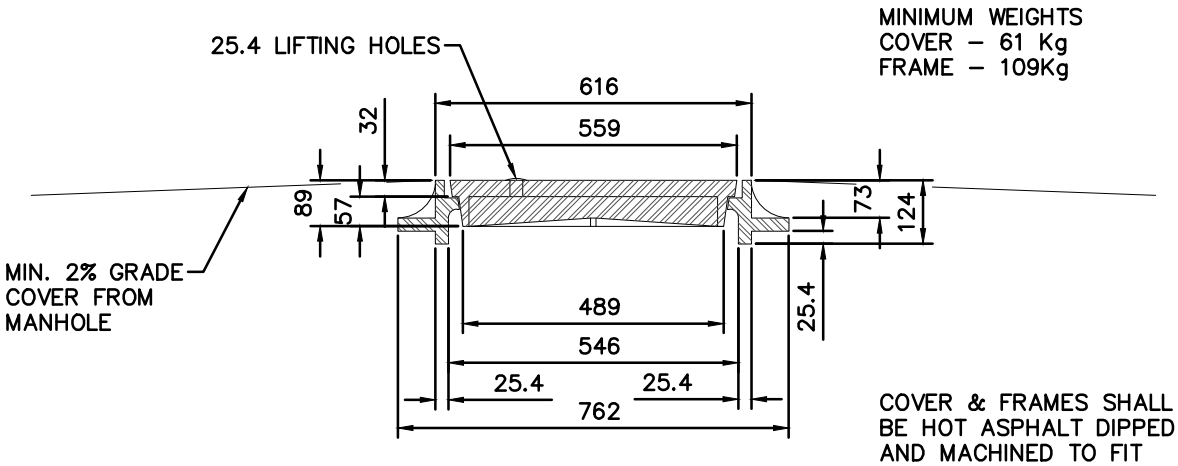


			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **WATER PRESSURE ZONE MAP - TSAWWASSEN**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-W.16
		Scale: N.T.S Date: FEBRUARY, 2026	

COVER TO BE MARKED
DELTA SANITARY SEWER
OR DELTA STORM
SEWER AS APPLICABLE



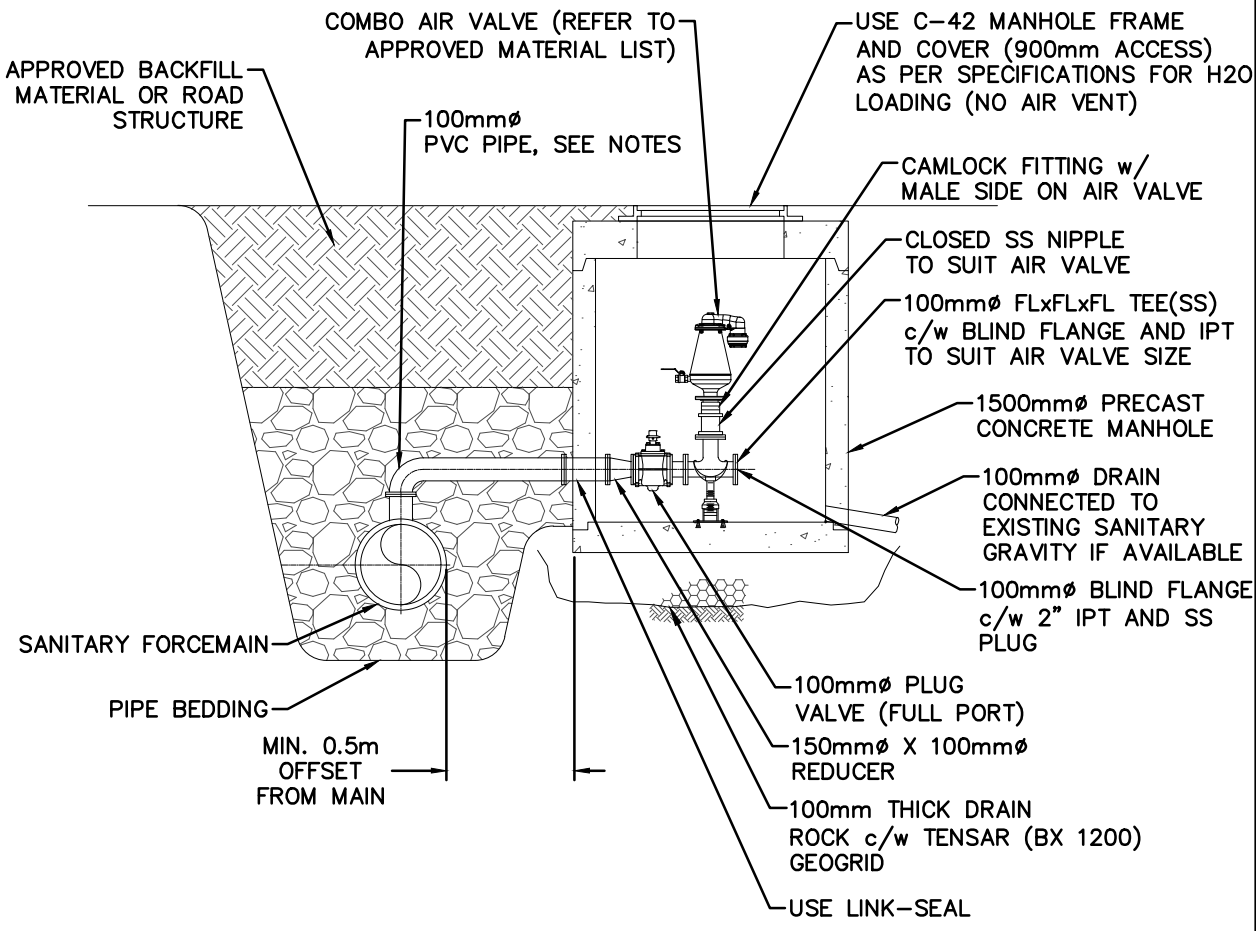
PLAN



SECTION A–A

SIMILAR TO :
DOBNEY FOUNDRY CO.
COVER & FRAME No. C–12 OR C–18 OR C–20 (HEIGHT WILL VARY)
MAINLAND FOUNDRY CO.
COVER No. 3R–25A
FRAME No. 3R–25
K–CASTING COVER & FRAME CK–18

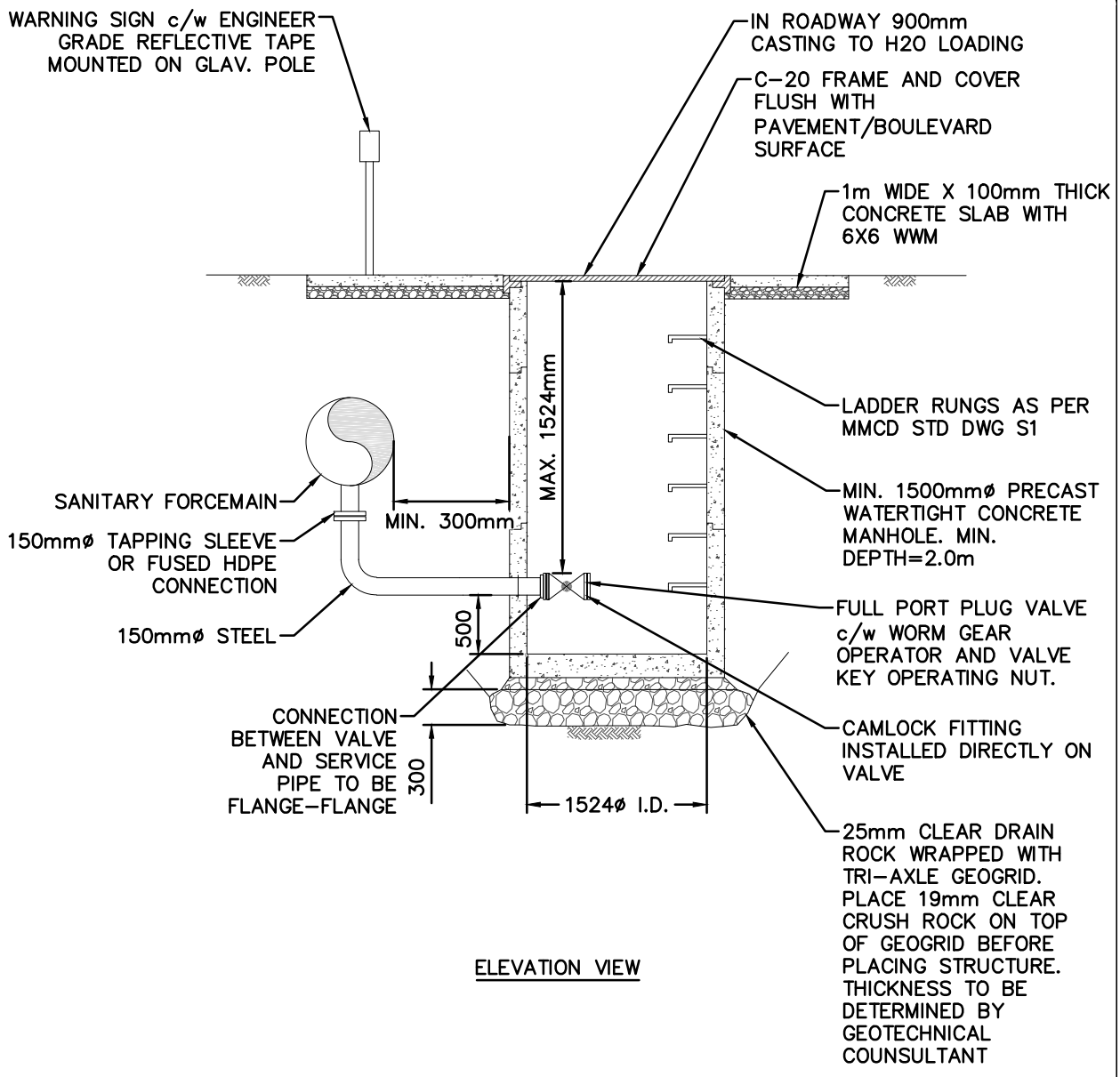
			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **STANDARD MANHOLE COVER AND FRAME**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-S.1
			Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. ALL PLUG VALVES SHALL BE INSTALLED FOR SUSPENDED SOLIDS WITH OPERATING NUT FACING UP FOR OPERATING FROM SURFACE.
2. DRAIN NOT REQUIRED IF THERE IS NO EXISTING SANITARY SEWER IN PROXIMITY.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SANITARY AIR VALVE CHAMBER**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-S.2
		Scale: N.T.S Date: FEBRUARY, 2026	

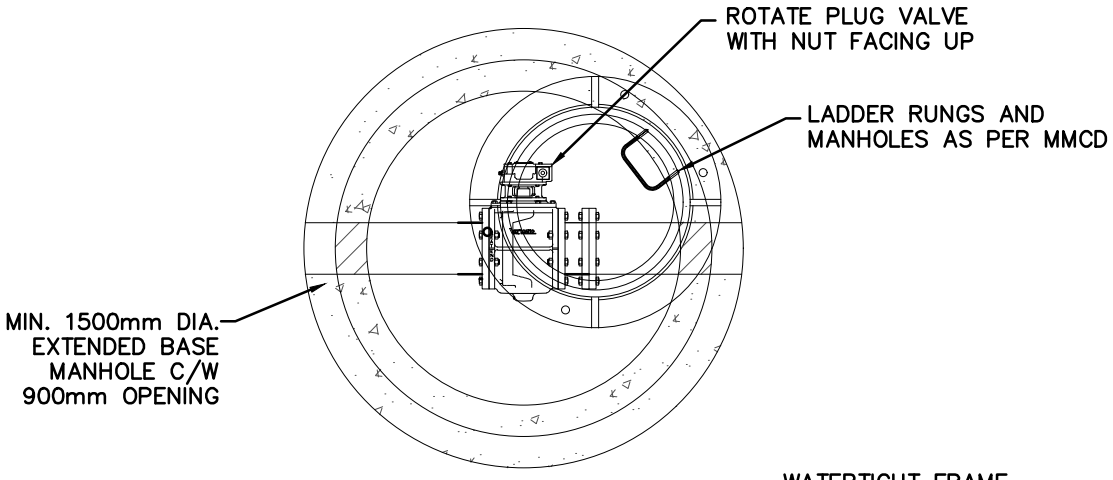


ELEVATION VIEW

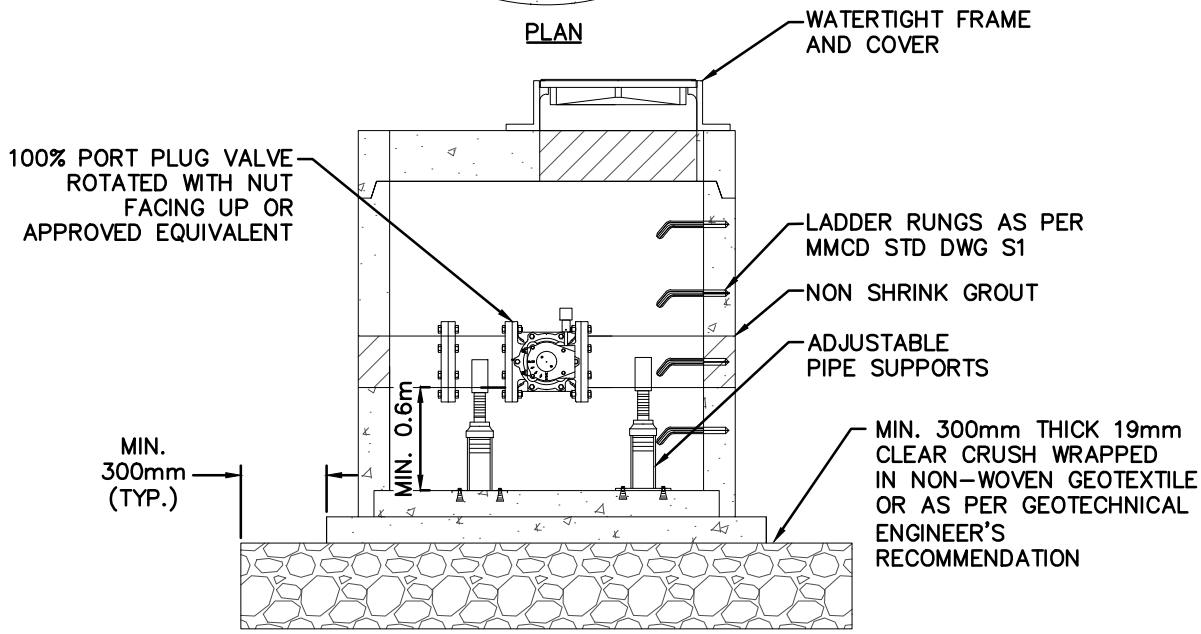
NOTES:

1. S.S. TAPPING SLEEVES ARE PERMITTED ON STEEL MAINS ONLY. DO NOT USE ON HDPE MAINS.
2. ALL BURIED METAL PIPING TO HAVE CATHODIC PROTECTION.
3. ALL PIPING AND FITTINGS TO BE FULLY RESTRAINED AND IN ACCORDANCE WITH DELTA MASTER MUNICIPAL SPECIFICATIONS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SANITARY BLOWDOWN CHAMBER**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-S.3
		Scale: N.T.S Date: FEBRUARY, 2026	



PLAN

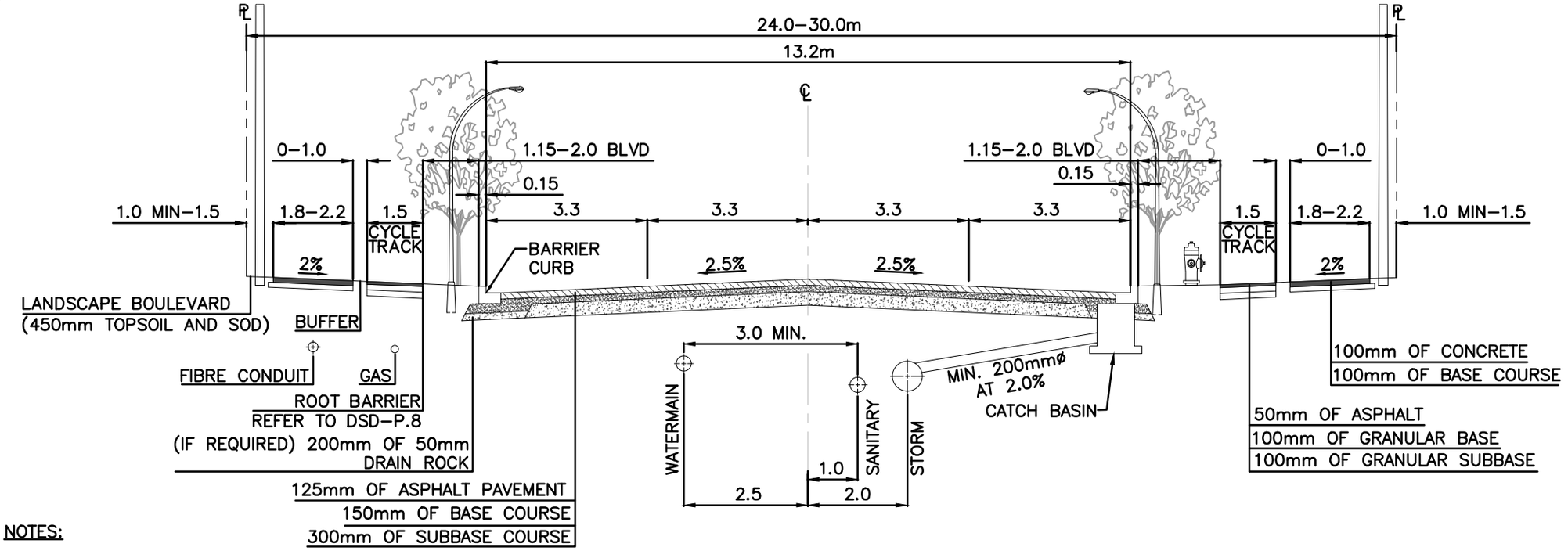


SECTION

NOTES:

1. INLET AND OUTLET SIZE AS APPROVED BY THE MUNICIPALITY FOR SIZE OF CONNECTION.
2. ALL NUTS AND BOLTS TO BE SS.
3. FOR LARGE DIAMETER PIPE, CORE A 150mm DIA. OPENING FOR VALVE OPERATION FROM THE TOP C/W VALVE BOX.
4. MANHOLE RISERS C/W GASKETS. INSIDE AND OUTSIDE TO BE SEALED W/ GROUT.
5. REFER TO DELTA'S APPROVED MATERIALS AND PRODUCTS LIST.

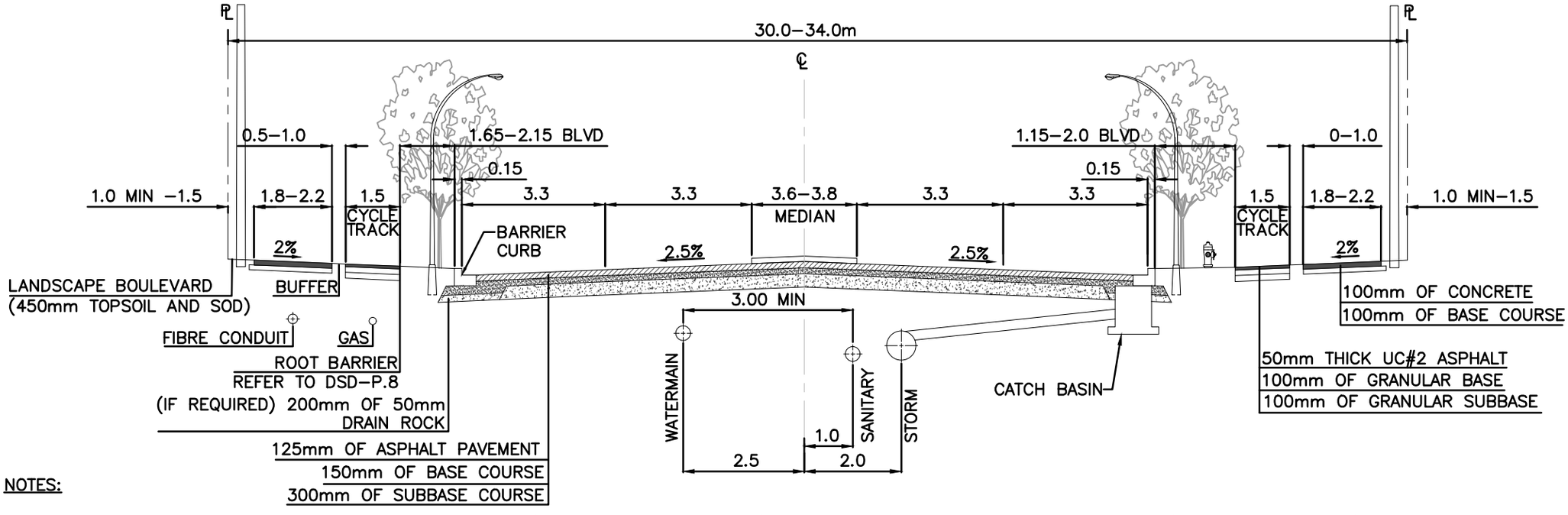
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **PLUG VALVE MANHOLE FOR DIAMETER OVER 200mm**
No.	Revision	Approved	
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-S.4



NOTES:

1. THIS CROSS–SECTION APPLIES TO LADNER TRUNK ROAD (51 STREET TO 64 STREET), 56 STREET (MOTT BOUNDARY TO US BORDER), AND RIVER ROAD (62B STREET TO HIGHWAY 17). 30m WIDE ROAD DEDICATION TO BE USED FOR RIVER ROAD.
2. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
4. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
5. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm BY THE OWNER AND FINAL LIFT OF 50mm.
6. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
7. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
8. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
9. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
10. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
11. TREE SOIL CELLS/STRUCTURAL SOIL AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
12. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
13. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
14. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICTS, THIS CROSS–SECTION SHALL GOVERN.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **ARTERIAL ROAD**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.1
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. THIS CROSS–SECTION APPLIES TO LADNER TRUNK ROAD (51 STREET TO 64 STREET), 56 STREET (MOTT BOUNDARY TO US BORDER), AND RIVER ROAD (62B STREET TO HIGHWAY 17). 30m WIDE ROAD DEDICATION TO BE USED FOR RIVER ROAD.
2. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
4. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
5. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm BY THE OWNER AND FINAL LIFT OF 50mm.
6. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
7. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
8. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
9. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
10. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
11. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
12. LANDSCAPED MEDIAN AS PER DSD–P.6 OR LEFT TURN BAY AS PER DSD–R.10.
13. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
14. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
15. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
16. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICTS, THIS CROSS–SECTION SHALL GOVERN.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **ARTERIAL ROAD WITH MEDIAN ISLAND**

Delta

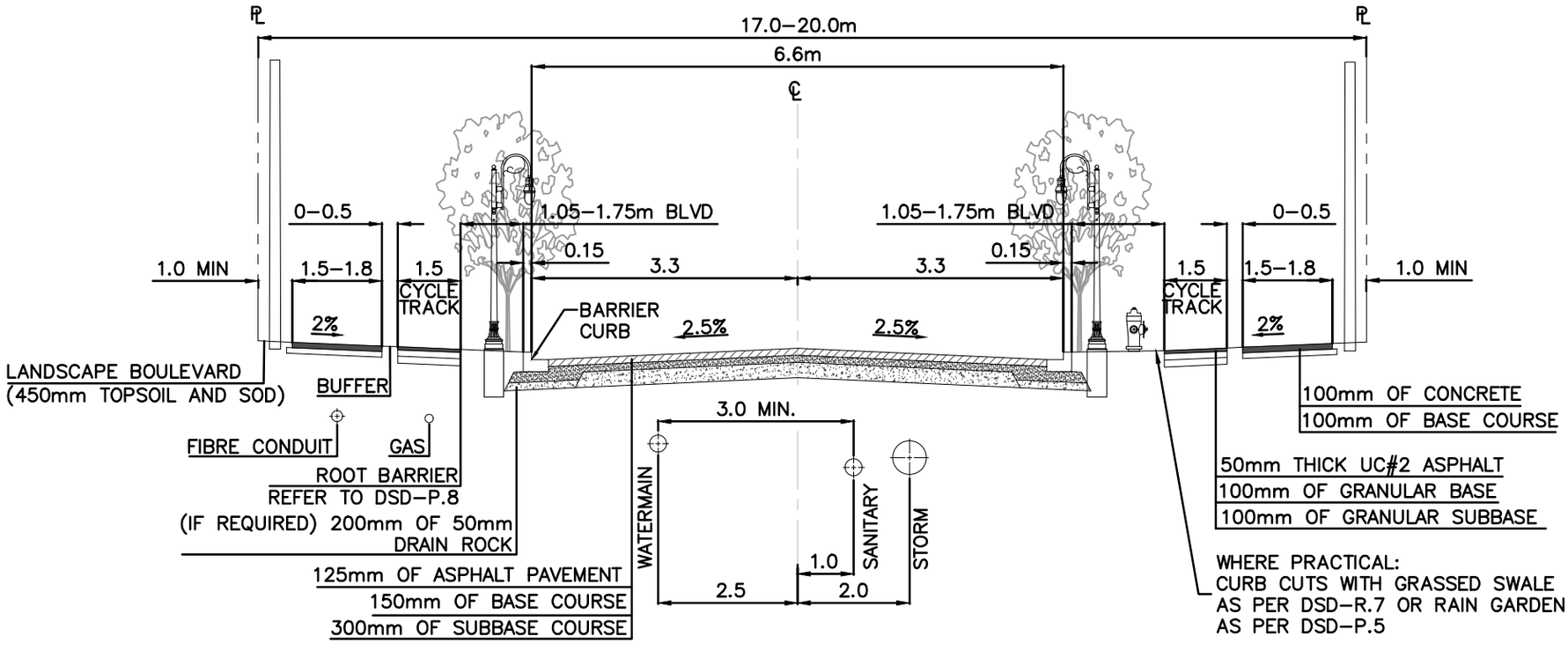
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.1.1



NOTES:

1. THIS CROSS–SECTION WOULD NOT APPLY TO ARTHUR DRIVE SOUTH OF 44 AVENUE AS THE LANES WOULD NOT ACCOMMODATE AGRICULTURAL VEHICLES
2. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
4. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
5. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm BY THE OWNER AND FINAL LIFT OF 50mm.
6. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
7. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
8. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
9. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
10. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
11. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
12. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
13. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
14. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICTS, THIS CROSS–SECTION SHALL GOVERN.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **MINOR ARTERIAL ROAD - ARTHUR DRIVE (NORTH OF 44 AVENUE)**

Delta

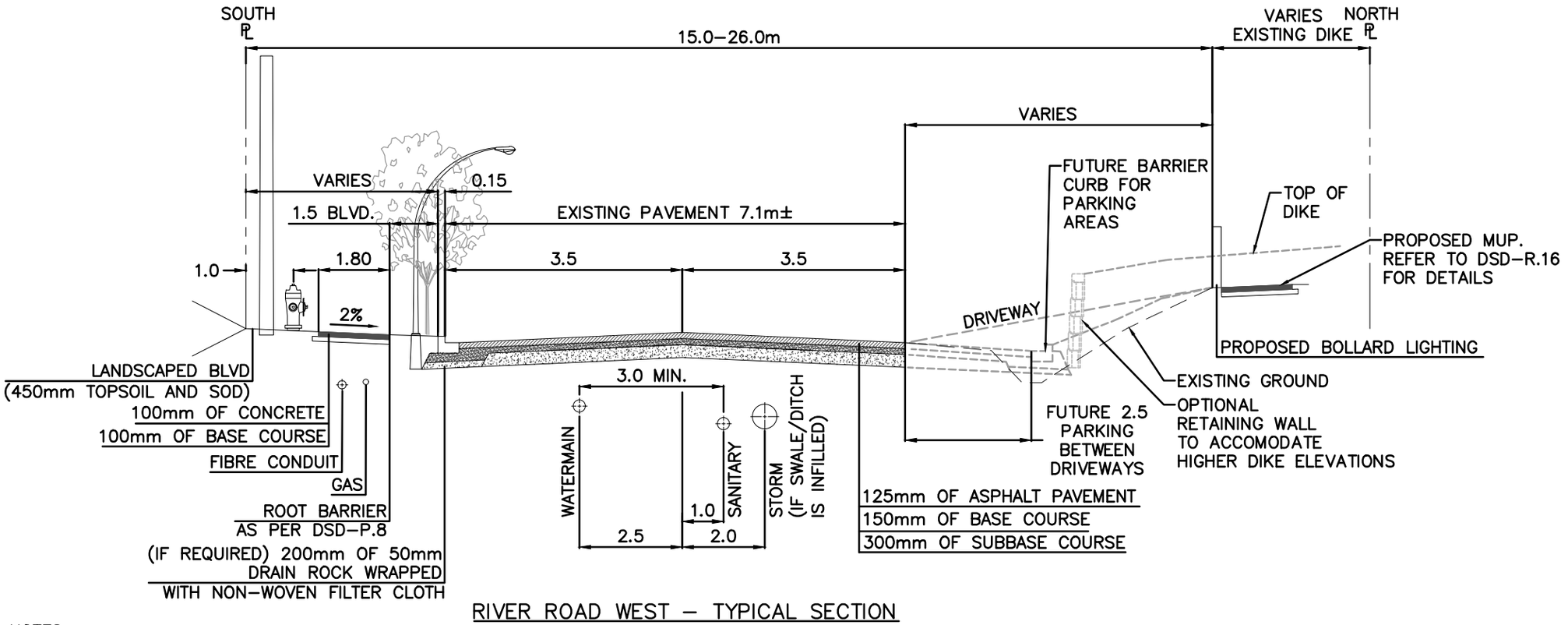
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.1.2

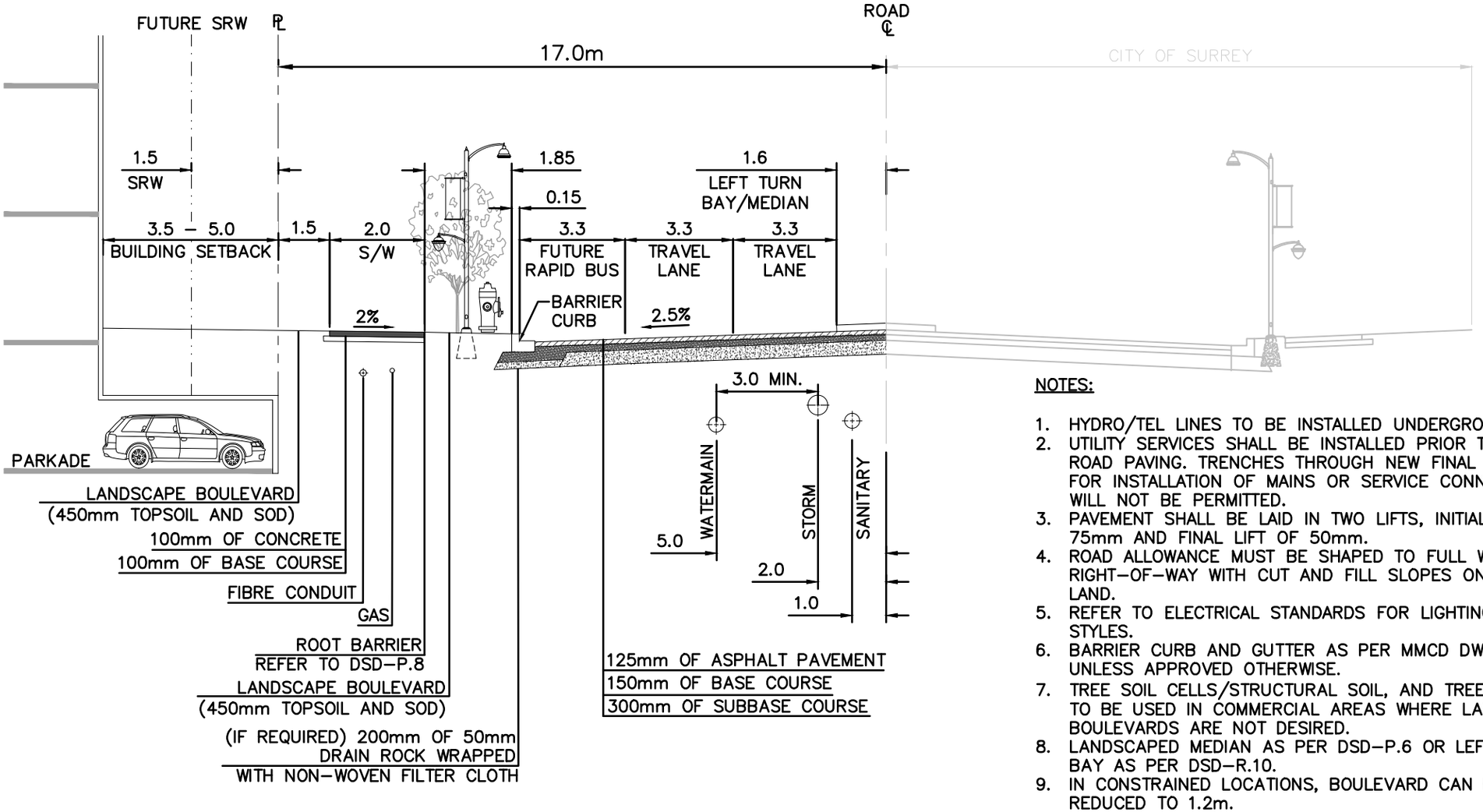


RIVER ROAD WEST – TYPICAL SECTION
WESTHAM ISLAND BRIDGE TO 46A STREET

NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
3. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm AND FINAL LIFT OF 50mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. THE GENERAL MANAGER, ENGINEERING MAY SPECIFY ALTERNATIVE SIDEWALK LOCATIONS.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
10. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RIVER ROAD WEST CROSS SECTION**
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-R.1.3



NOTES:

1. HYDRO/TEL LINES TO BE INSTALLED UNDERGROUND.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm AND FINAL LIFT OF 50mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
7. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
8. LANDSCAPED MEDIAN AS PER DSD–P.6 OR LEFT TURN BAY AS PER DSD–R.10.
9. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
10. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

SCOTT ROAD – TYPICAL SECTION 96 AVE TO HWY 10

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **SCOTT ROAD CROSS SECTION - INTERIM**

Delta

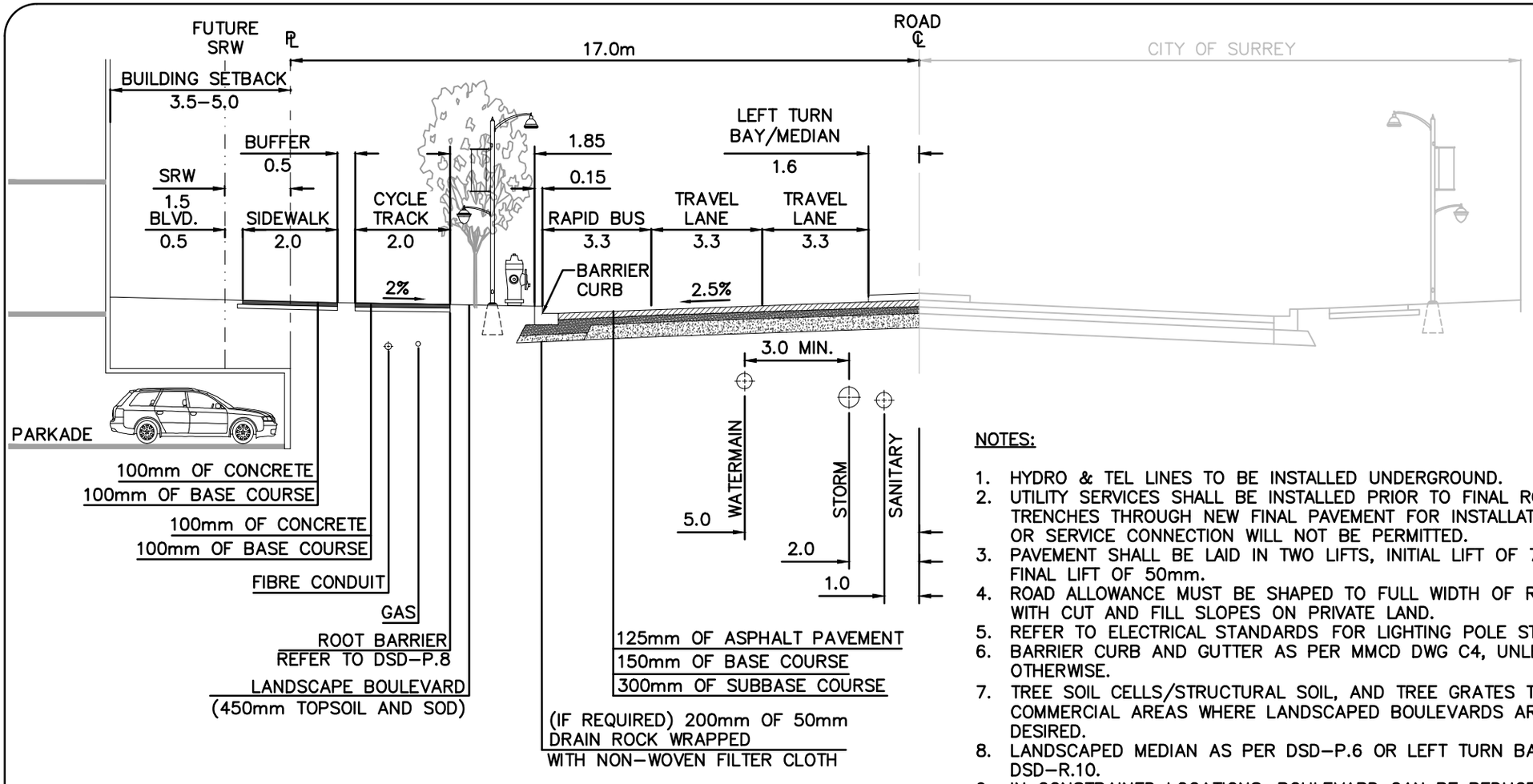
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.1.4



SCOTT ROAD – TYPICAL SECTION 96 AVE TO HWY 10

NOTES:

1. HYDRO & TEL LINES TO BE INSTALLED UNDERGROUND.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm AND FINAL LIFT OF 50mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
7. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
8. LANDSCAPED MEDIAN AS PER DSD–P.6 OR LEFT TURN BAY AS PER DSD–R.10.
9. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
10. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0M. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
11. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **SCOTT ROAD CROSS SECTION - ULTIMATE**

Delta

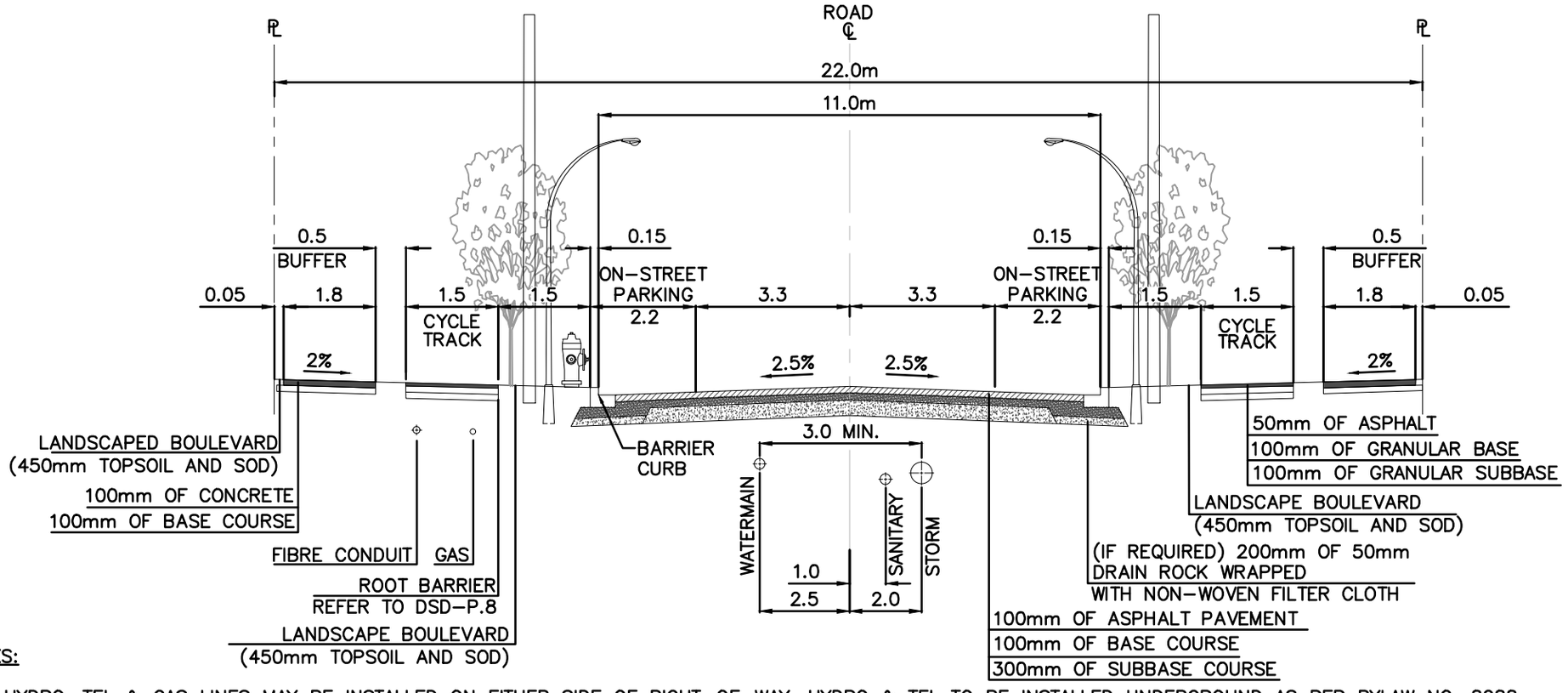
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.1.5



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. ROAD LIGHTING TO BE DECORATIVE OR ORNAMENTAL AS REQUIRED.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING
10. FOR PARKING CURB EXTENSIONS, REFER TO DSD-R.28.
11. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS-SECTION CONFLICTS, THIS CROSS-SECTION SHALL GOVERN.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **47A AVENUE (46A STREET TO 51 STREET) CROSS SECTION**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

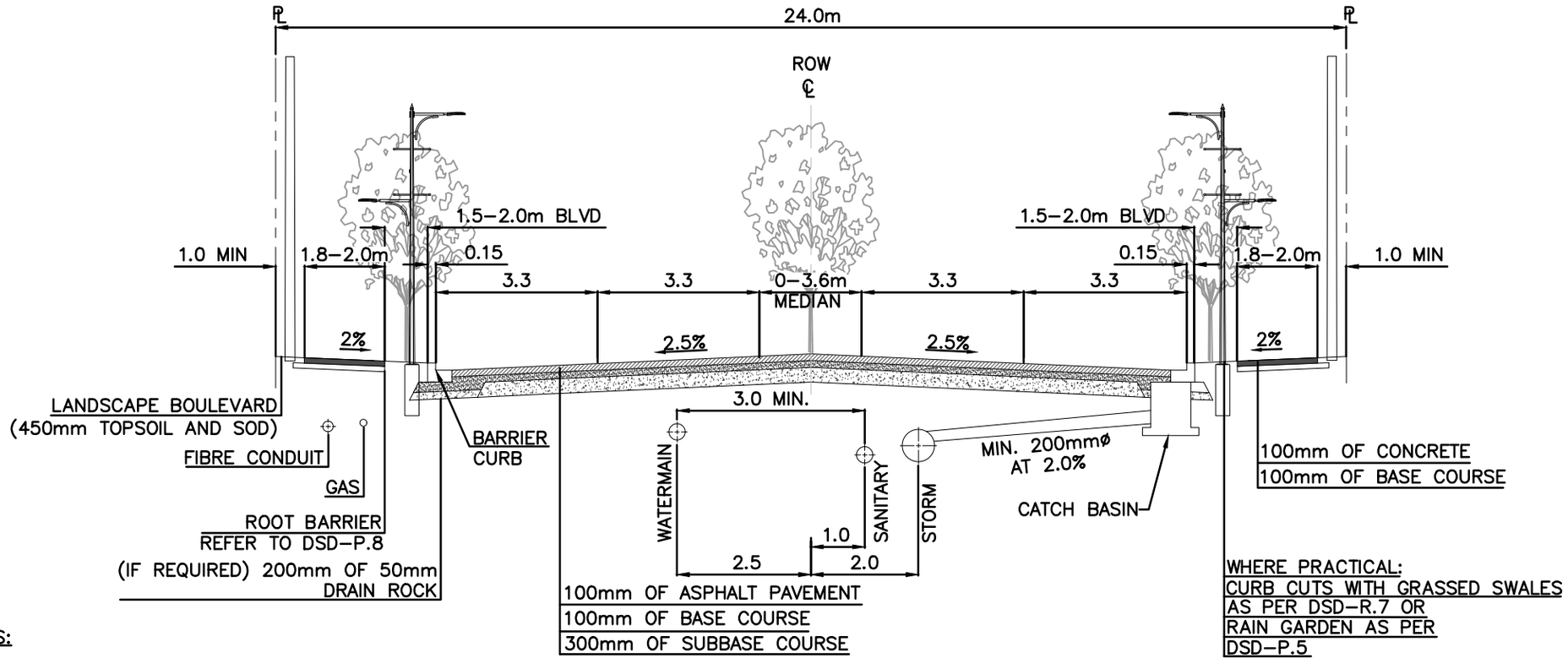
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.1.6



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
3. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
7. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
8. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
9. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
10. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
11. LANDSCAPED MEDIAN AS PER DSD–P.6 OR LEFT TURN BAY AS PER DSD–R.10.
12. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
13. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **MAJOR COLLECTOR ROAD - 72 AVENUE**

Delta

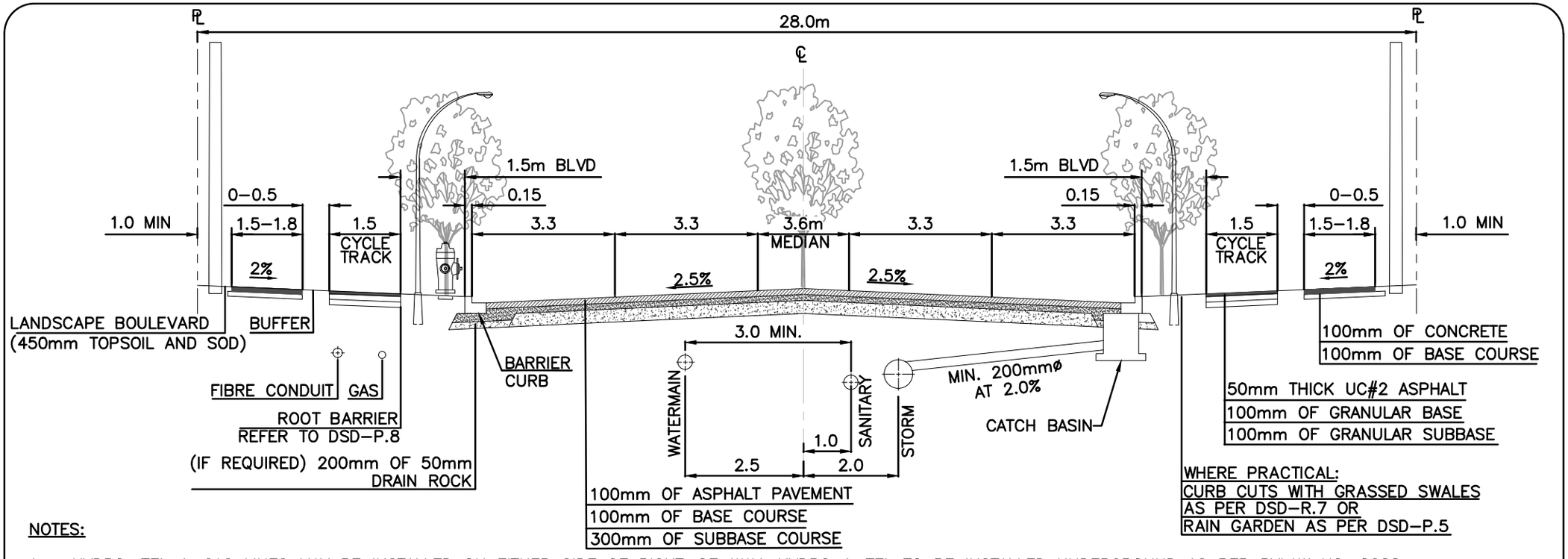
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.2



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED.
10. LANDSCAPED MEDIAN AS PER DSD–P.6 OR LEFT TURN BAY AS PER DSD–R.10.
11. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
12. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
13. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
14. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICTS, THIS CROSS–SECTION SHALL GOVERN.

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **MAJOR COLLECTOR ROAD WITH CYCLING - KITTSON PARKWAY / 64 AVENUE**

Delta

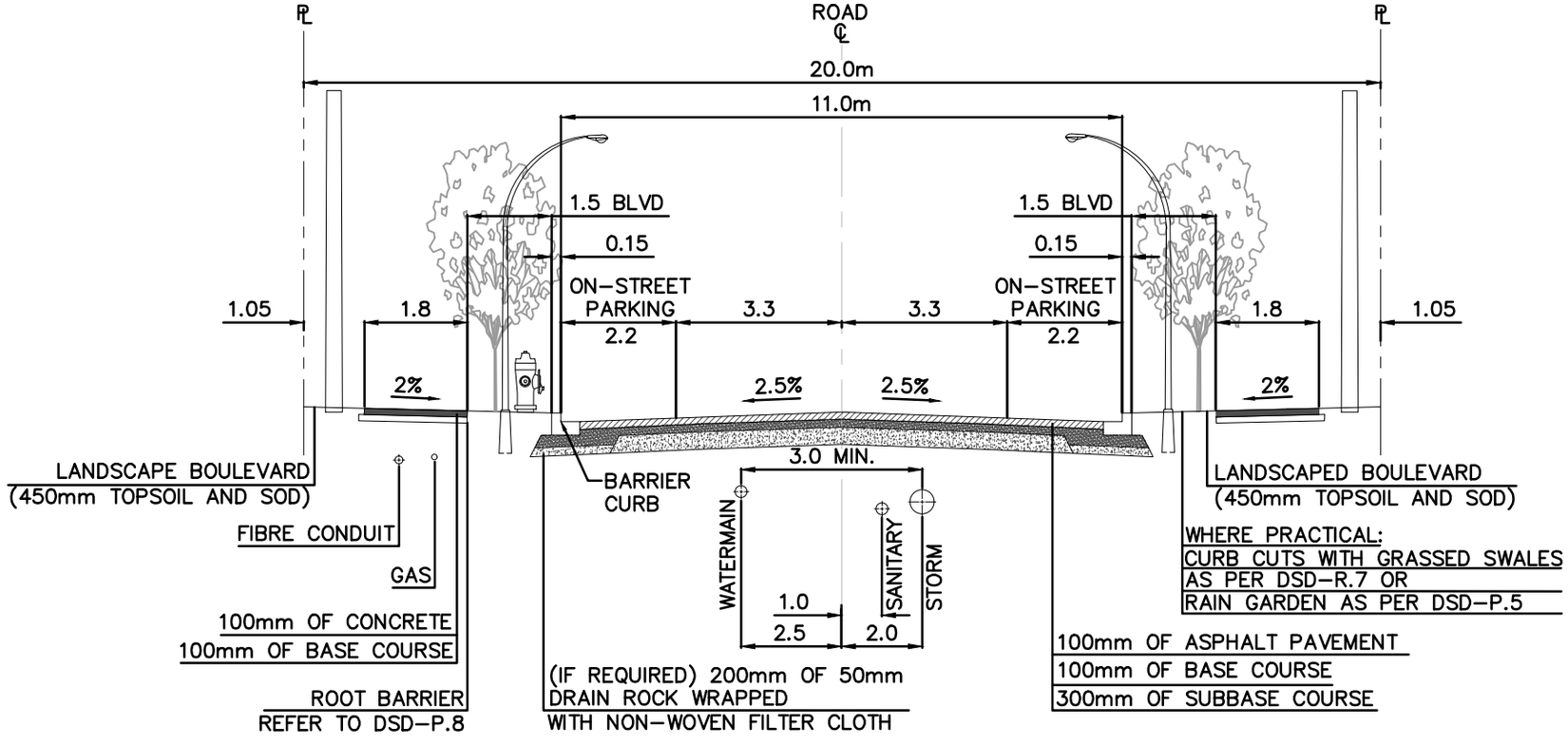
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.2.1



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. FOR PARKING CURB EXTENSIONS, REFER TO DSD-R.28.
10. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **COLLECTOR ROAD**

Delta

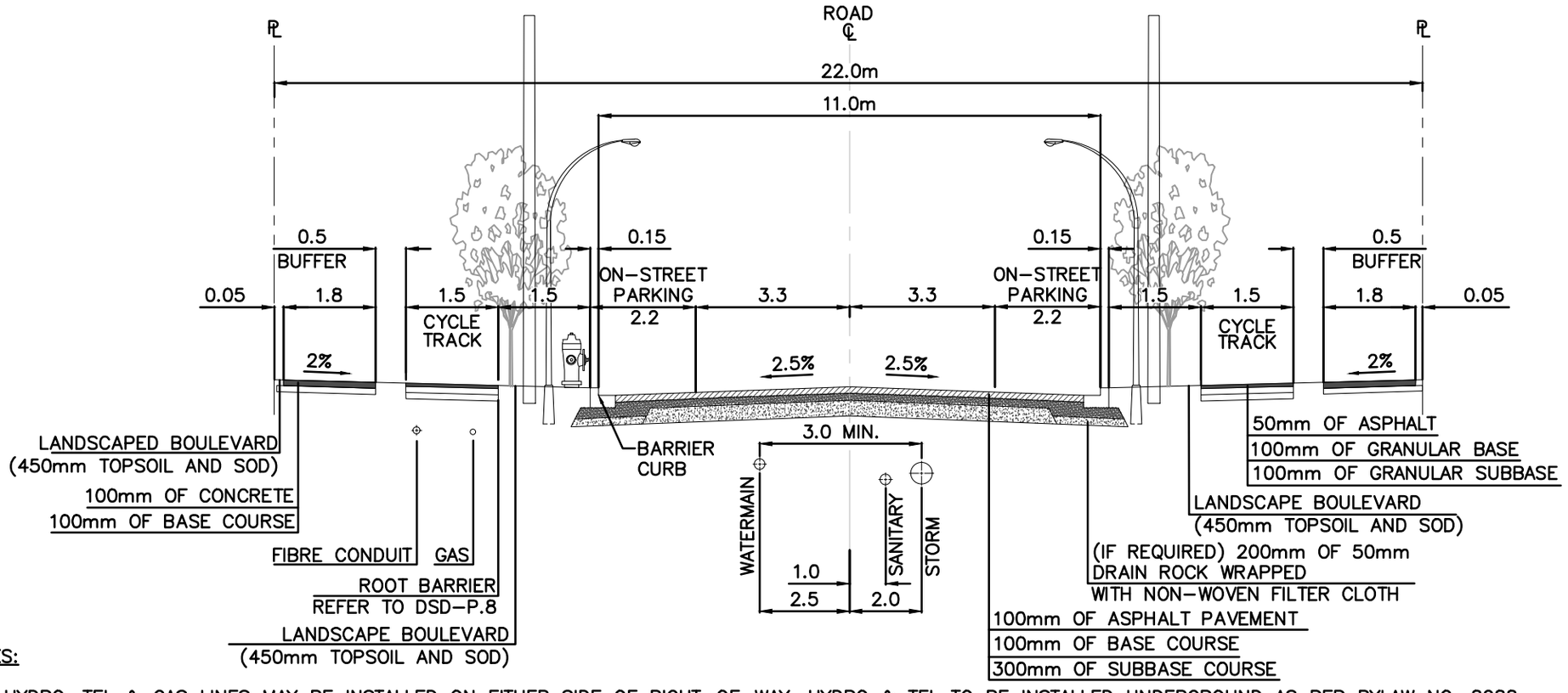
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.2.2



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. ROAD LIGHTING TO BE DECORATIVE OR ORNAMENTAL AS REQUIRED.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING
10. FOR PARKING CURB EXTENSIONS, REFER TO DSD-R.28.
11. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS-SECTION CONFLICTS, THIS CROSS-SECTION SHALL GOVERN.

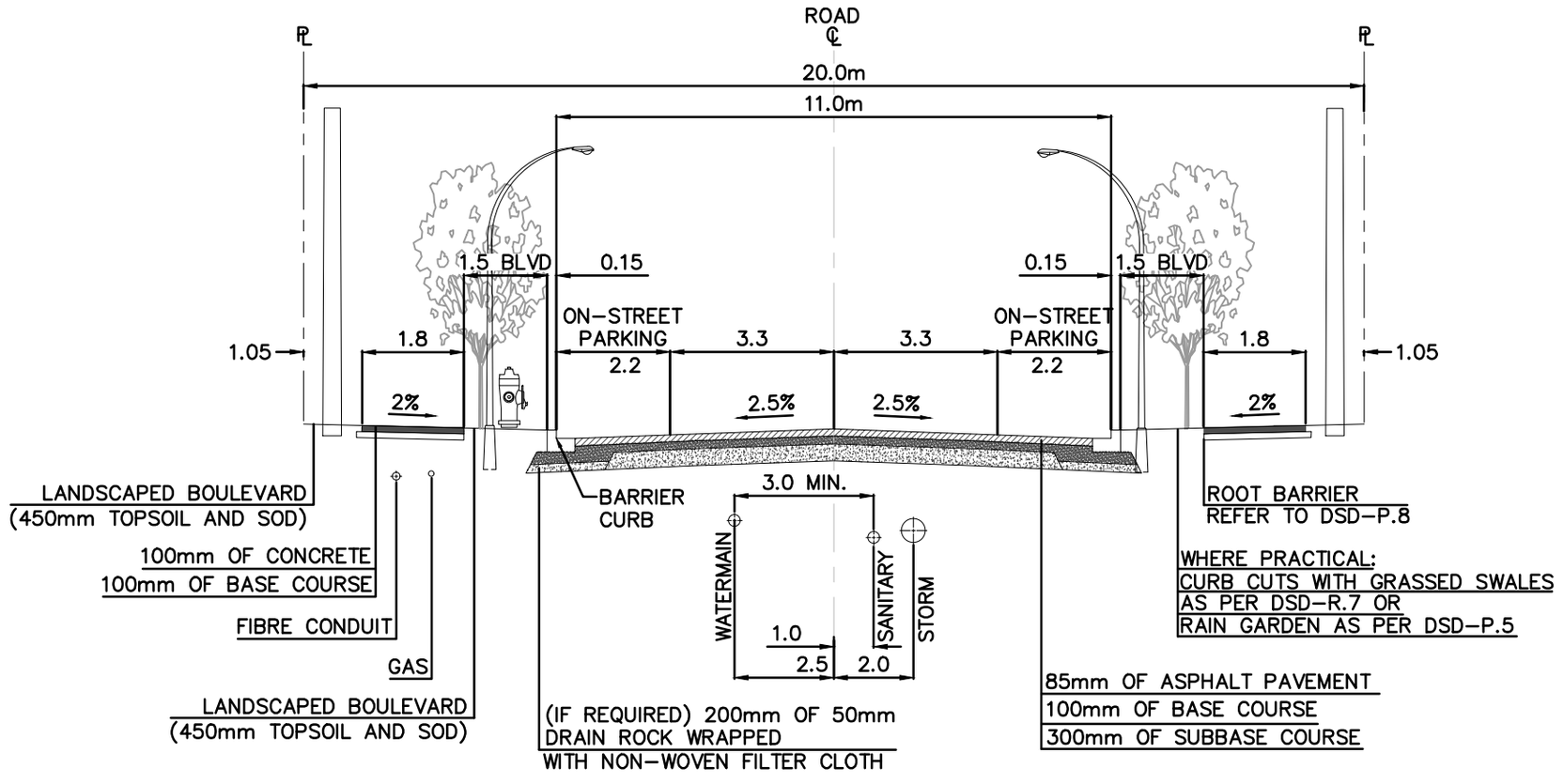
No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **COLLECTOR ROAD WITH CYCLING**
			Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026

Delta

SUPPLEMENTARY STANDARD DRAWINGS

DRAWING NUMBER

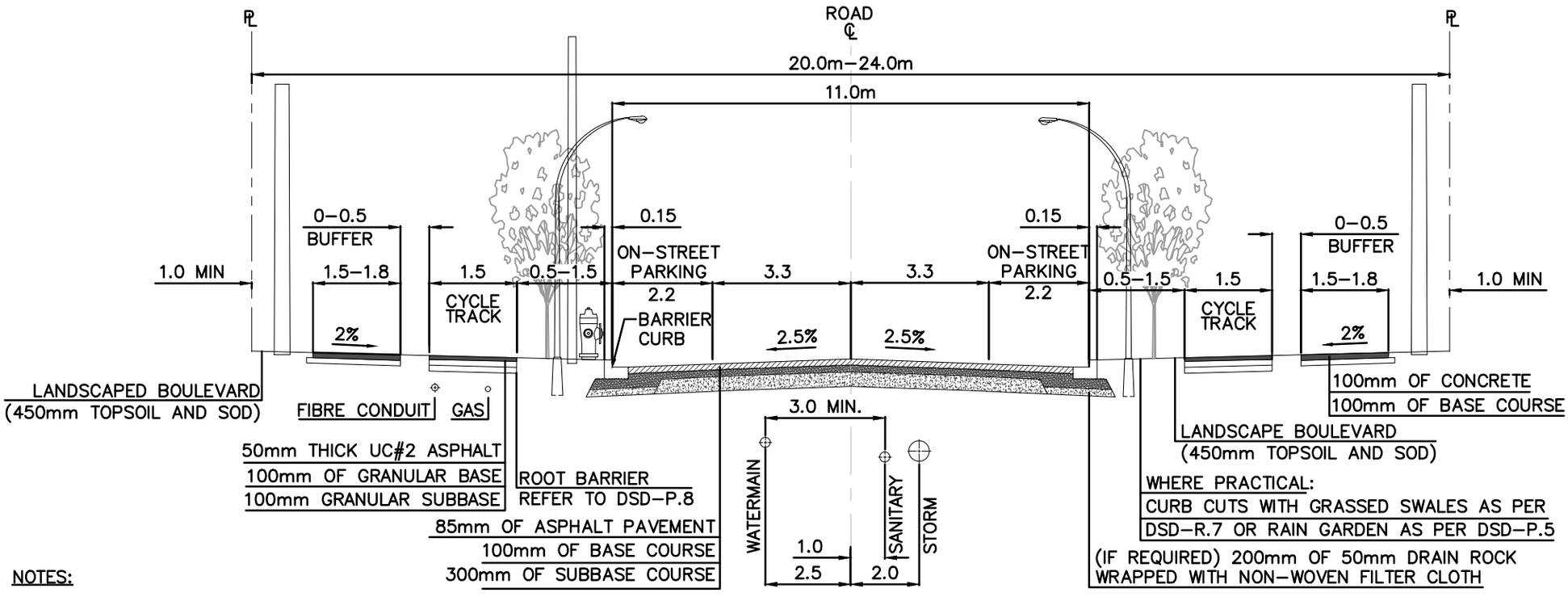
DSD-R.2.3



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. TO DETERMINE THE APPROPRIATE CROSS-SECTION TO USE, REFER TO DSD-R.35, DSD-R.36, AND DSD-R.37.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
10. FOR PARKING CURB EXTENSIONS, REFER TO DSD-R.28.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **MAJOR LOCAL ROAD**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.3
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. TO DETERMINE THE APPROPRIATE CROSS–SECTION TO USE, REFER TO DSD–R.35, DSD–R.36, DSD–R.37, AND DSD–R.34 CYCLING MASTER PLAN (ALSO ON DELTA'S WEBSITE)
3. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.
4. WHERE ON–STREET PARKING IS NOT REQUIRED ON BOTH SIDES, THE CROSS SECTION CAN BE REDUCED.
5. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
6. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
7. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
8. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
9. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
10. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
11. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
12. IN CONSTRAINED LOCATIONS, THE SIDEWALK, BUFFER, AND CYCLE TRACK CAN BE COMBINED INTO A SHARED UNIDIRECTIONAL MUP WITH A MINIMUM WIDTH OF 3.0m. ANY ADDITIONAL REDUCTION IN WIDTH SHALL BE AT THE DISCRETION OF THE GENERAL MANAGER, ENGINEERING.
13. FOR PARKING CURB EXTENSIONS, REFER TO DSD–R.28.
14. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICTS, THIS CROSS–SECTION SHALL GOVERN.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **MAJOR LOCAL ROAD WITH CYCLING**

Delta

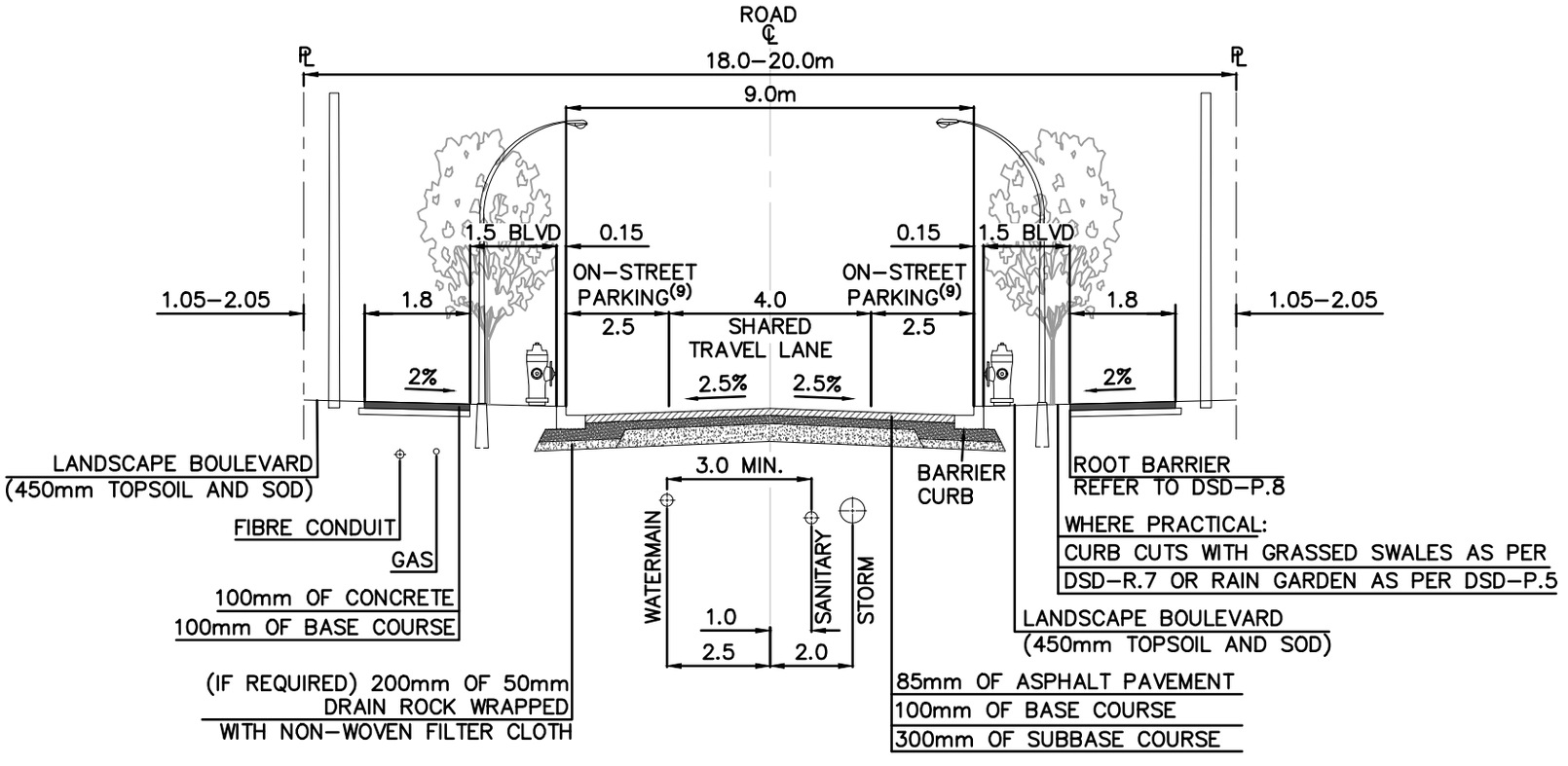
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.3.1



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. TO DETERMINE THE APPROPRIATE CROSS–SECTION TO USE, REFER TO DSD–R.35, DSD–R.36, AND DSD–R.37.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. ON STREET PARKING PERMITTED ON BOTH SIDES.
10. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
11. FOR PARKING CURB EXTENSIONS, REFER TO DSD–R.28.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **MINOR LOCAL ROAD - SHARED TRAVEL LANE**

Delta

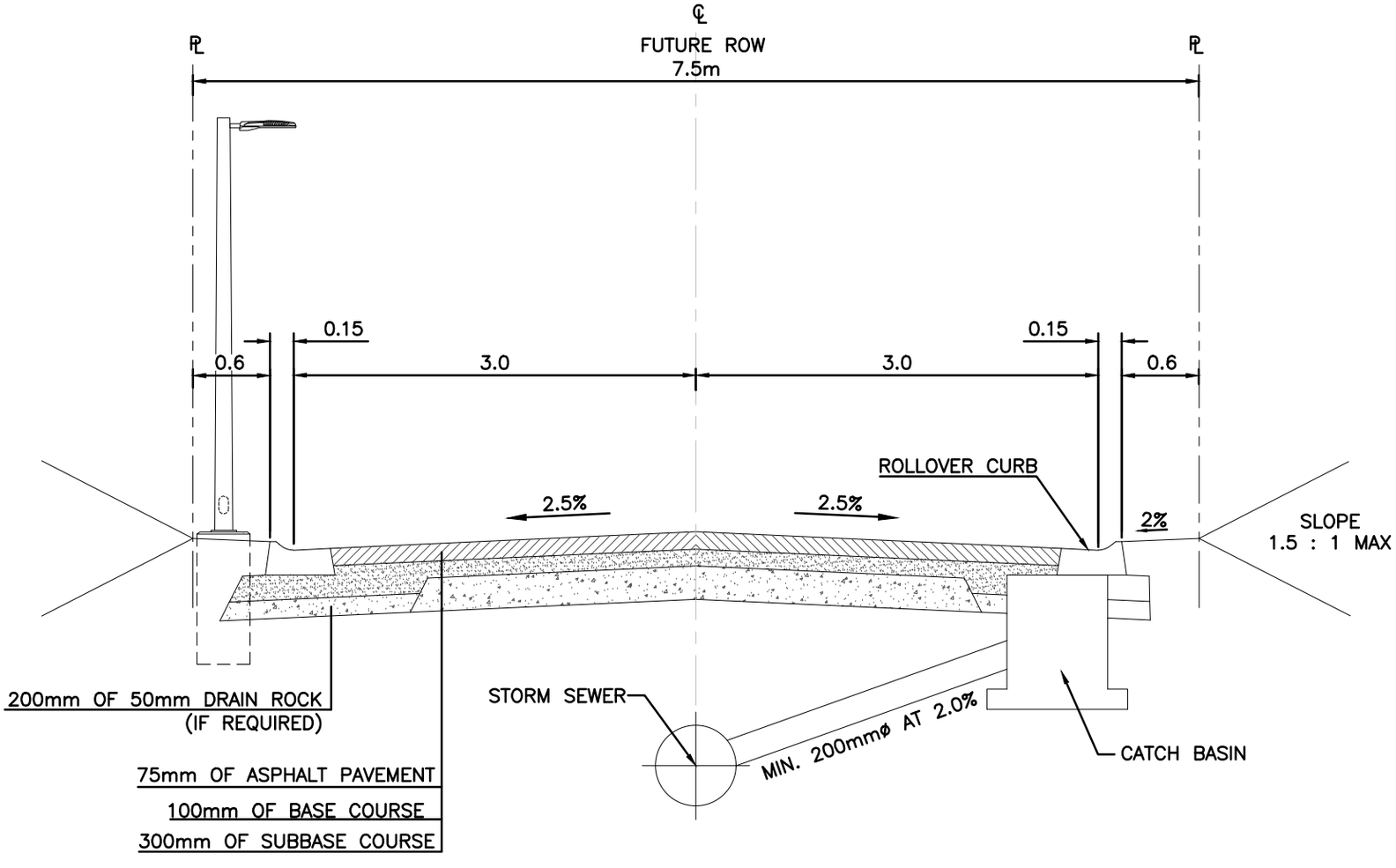
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

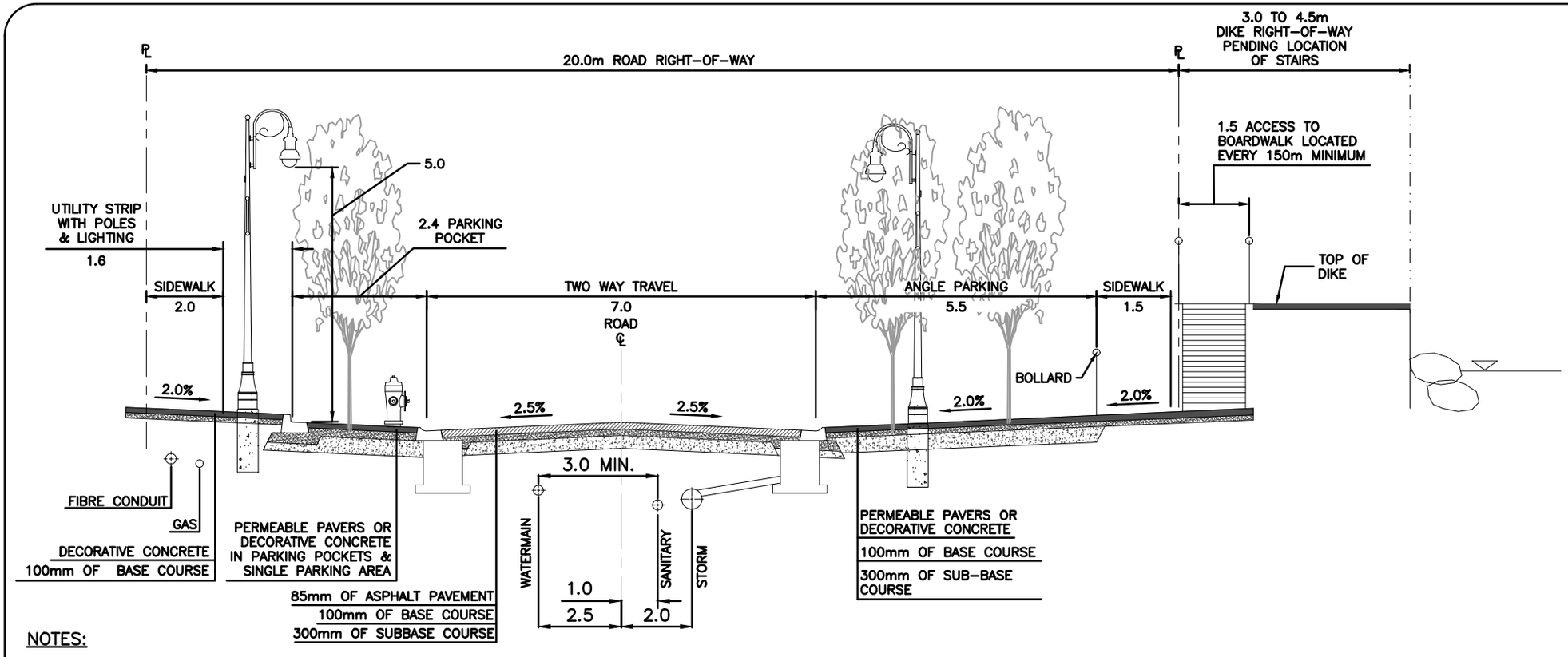
DSD-R.3.2



NOTES:

1. ROAD ALLOWANCE TO BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH A CUT & FILL SLOPES
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING. TRENCHES THROUGH NEW PAVEMENT FOR INSTALLATION OF SERVICE CONNECTIONS WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 40mm BY THE OWNER AND FINAL LIFT OF 35mm.
4. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLE

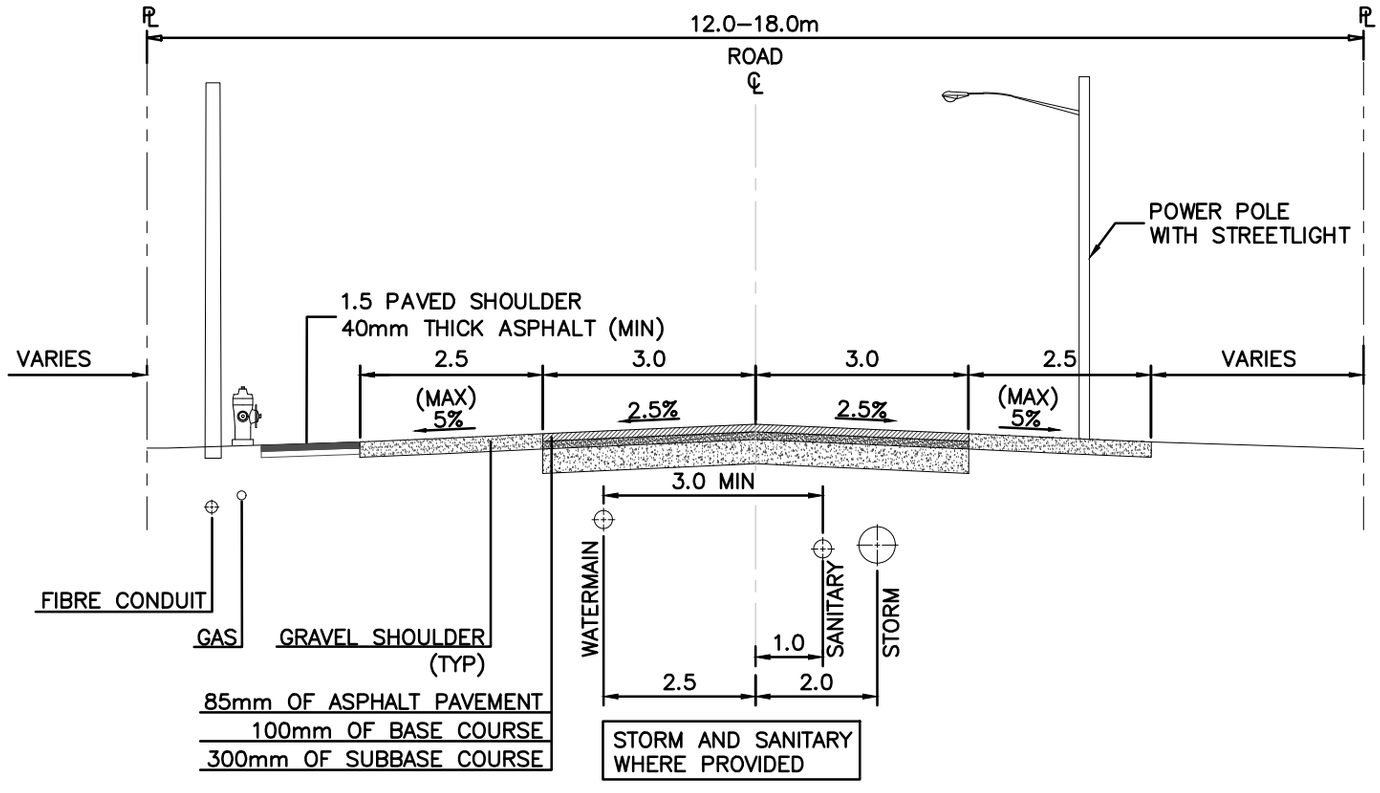
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **LANEWAY**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.3.3
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. UNDERGROUND HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. LIGHTS LOCATED WHERE THEY DON'T CONFLICT WITH PARKING. STREET TREES PLANTED IN AREAS WHERE CURB EXTENSIONS EXIST AND IN SIDEWALK AREA WHERE NO CONFLICT WITH UNDERGROUND SERVICES.
8. TREE SOIL CELLS/STRUCTURAL SOIL, AND TREE GRATES TO BE USED IN COMMERCIAL AREAS WHERE LANDSCAPED BOULEVARDS ARE NOT DESIRED. ROOT BARRIER TO BE USED SURROUNDING TREE SOIL CELLS.
9. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **CHISHOLM STREET CROSS SECTION**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.3.4
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY.
3. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
7. DITCH SLOPES, GRADIENT PROTECTION AND CAPACITY SHALL BE DETERMINED BY A PROFESSIONAL ENGINEERS ANALYSIS. HYDRANTS AND ANY OTHER INFRASTRUCTURE SHALL BE ACCESSIBLE VIA CULVERTS.
8. SIDEWALK WHERE APPLICABLE.
9. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **BEACH GROVE BOUNDARY BAY CROSS SECTION**
No.	Revision	Approved	

Delta

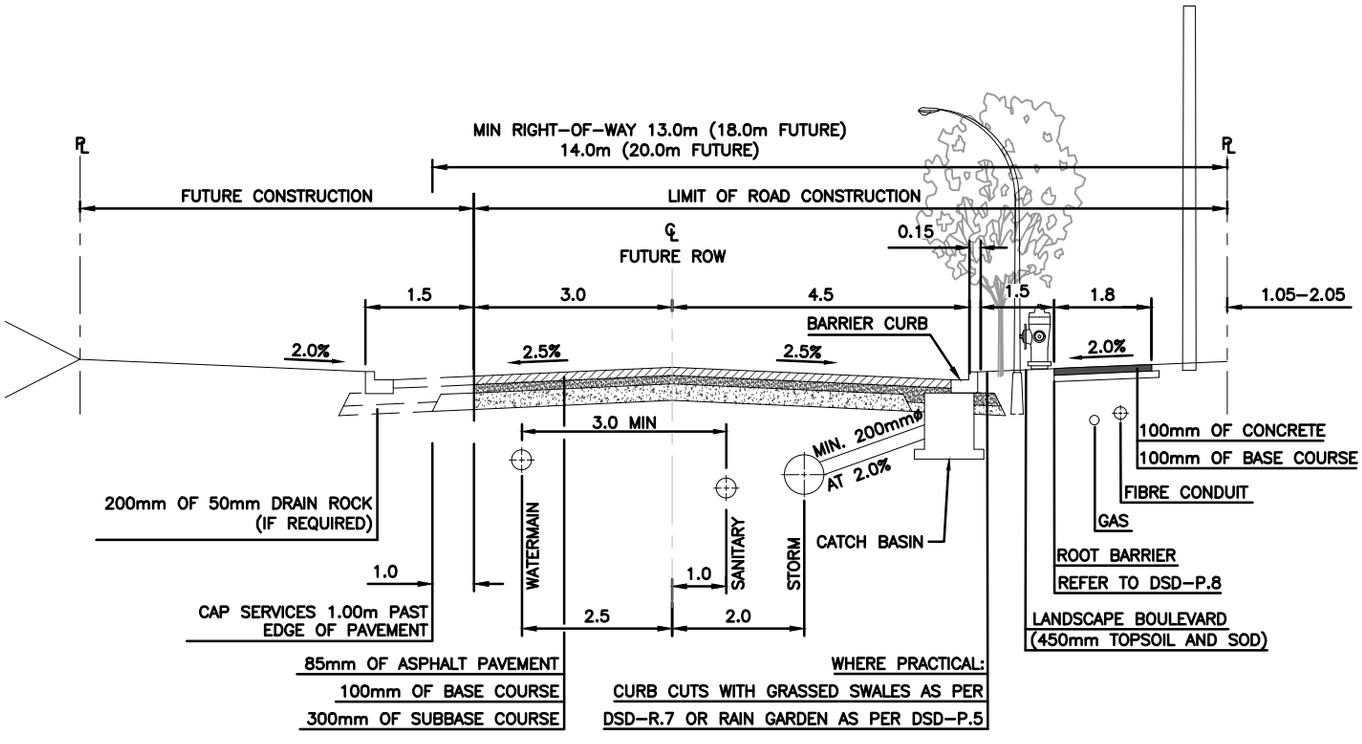
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.3.5

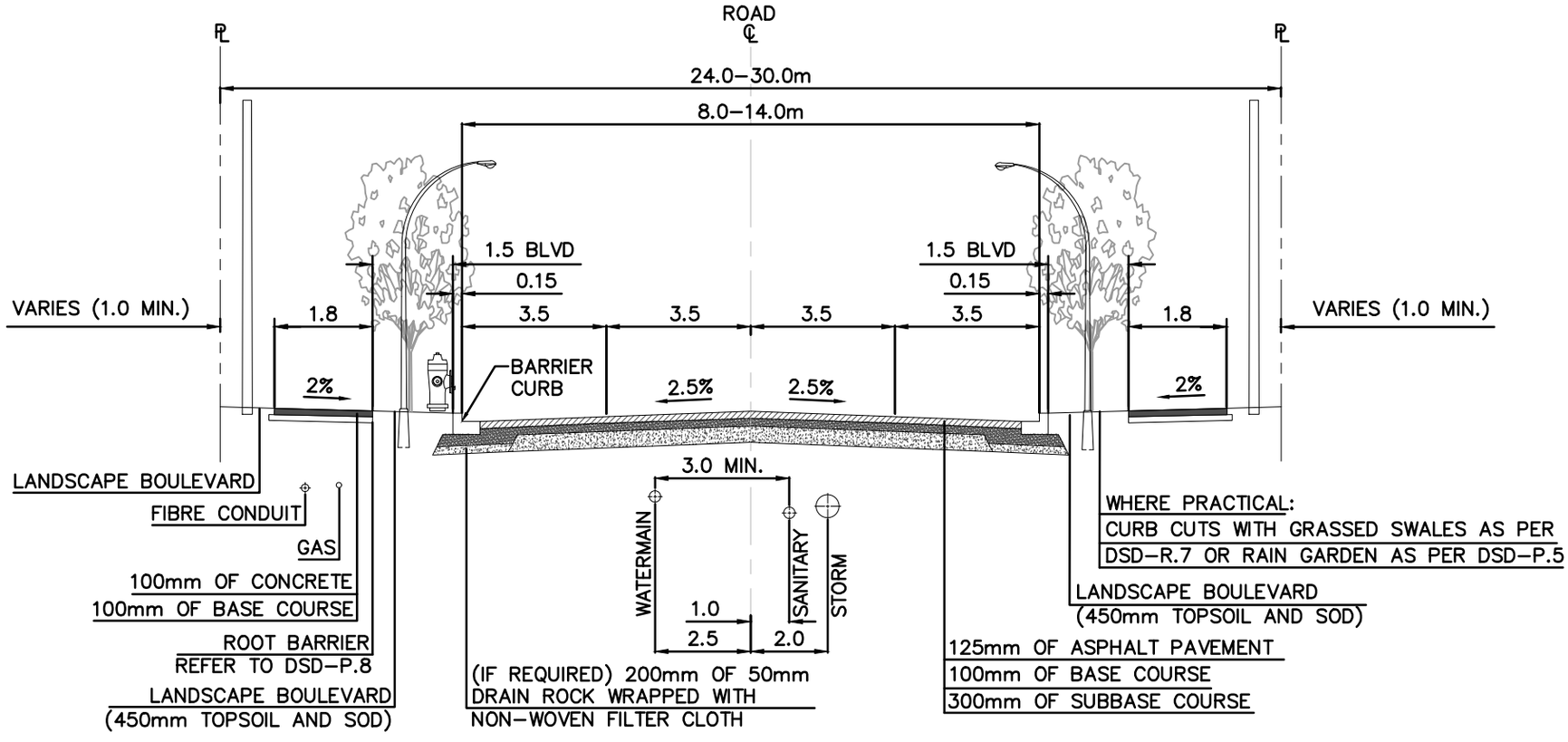


LOCAL RESIDENTIAL ROAD, 18m OR 20m RIGHT-OF-WAY
(PARTIAL CONSTRUCTION FOR DEVELOPMENT ONE SIDE ONLY)

NOTES:

1. TO DETERMINE THE APPROPRIATE CROSS-SECTION TO USE, REFER TO DSD-R.35, DSD-R.36, AND DSD-R.37.
2. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
3. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
4. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 50mm BY THE OWNER AND FINAL LIFT OF 35mm.
5. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT-OF-WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
6. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
7. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
8. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **MINOR LOCAL ROAD - PARTIAL CONSTRUCTION**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.3.6
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm BY THE OWNER AND FINAL LIFT OF 50mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
10. WIDER PAVEMENT PERMITTED TO ACCOMMODATE LEFT TURN BAYS AS APPROVED BY THE GENERAL MANAGER, ENGINEERING.
11. MINIMUM 1.0m CLEARANCE REQUIRED BETWEEN PL AND BACK OF SIDEWALK TO ACCOMMODATE SERVICE BOX.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **INDUSTRIAL ROAD**

Delta

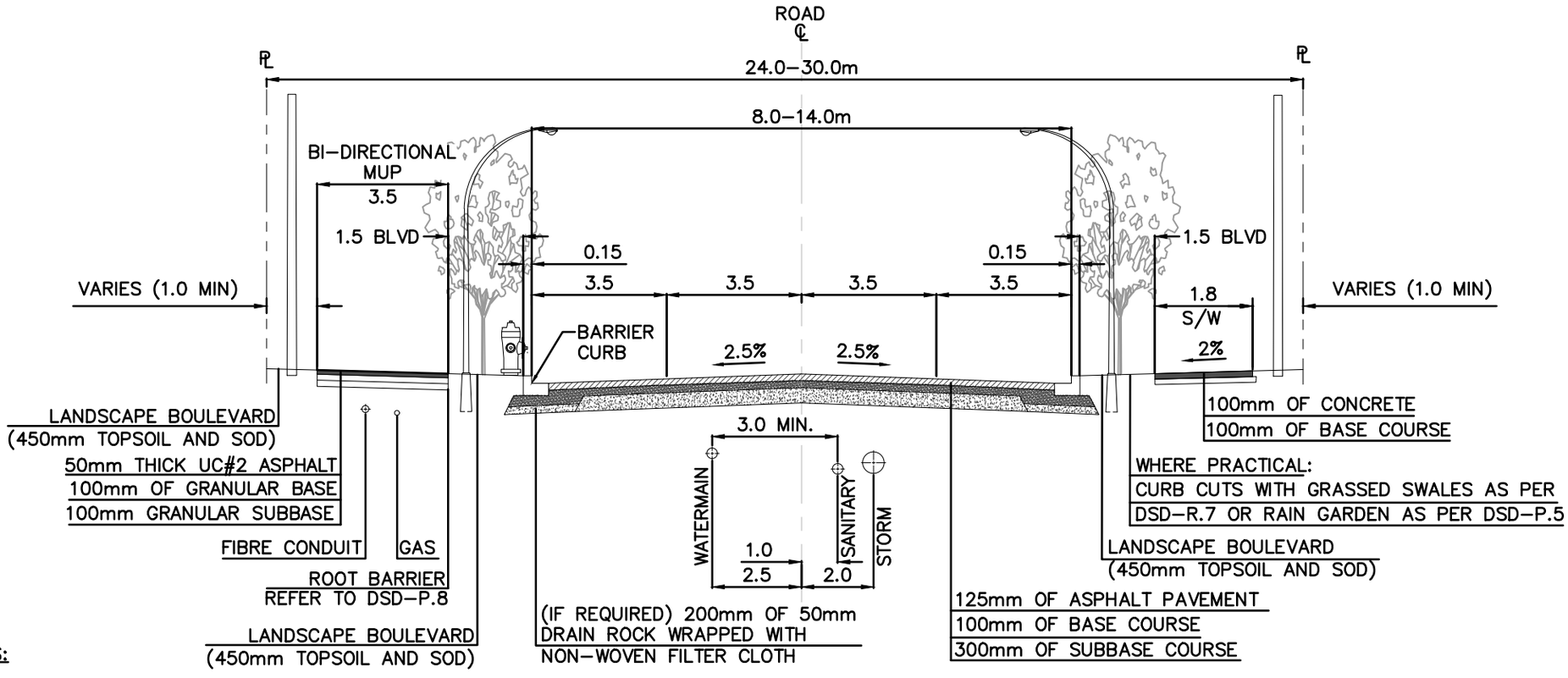
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.4



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 75mm BY THE OWNER AND FINAL LIFT OF 50mm.
4. ROAD ALLOWANCE MUST BE SHAPED TO FULL WIDTH OF RIGHT–OF–WAY WITH CUT AND FILL SLOPES ON PRIVATE LAND.
5. REFER TO ELECTRICAL STANDARDS FOR LIGHTING POLE STYLES.
6. STREETLIGHTS STAGGERED ON BOTH SIDES FOR PAVEMENT WIDTH GREATER THAN 9.0m, WITH PRIMARY DUCTING OPPOSITE HYDRO/TEL/CABLE.
7. UTILITY VAULT/JUNCTION BOX SHALL BE MIN OF 0.3m OFFSET FROM SIDEWALK.
8. BARRIER CURB AND GUTTER AS PER MMCD DWG C4, UNLESS APPROVED OTHERWISE.
9. IN CONSTRAINED LOCATIONS, BOULEVARD CAN BE REDUCED TO 1.2m.
10. WIDER PAVEMENT PERMITTED TO ACCOMMODATE LEFT TURN BAYS AS APPROVED BY THE GENERAL MANAGER, ENGINEERING.
11. TO DETERMINE IF CYCLING CROSS–SECTION SHOULD BE USED, REFER TO DSD–R.34 CYCLING MASTER PLAN (ALSO ON DELTA'S WEBSITE).
12. IN A SCENARIO WHERE A CYCLING FACILITY NOTED IN DELTA'S CYCLING MASTER PLAN AND THIS CROSS–SECTION CONFLICT, THIS CROSS–SECTION SHALL GOVERN.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **INDUSTRIAL ROAD WITH CYCLING**

Delta

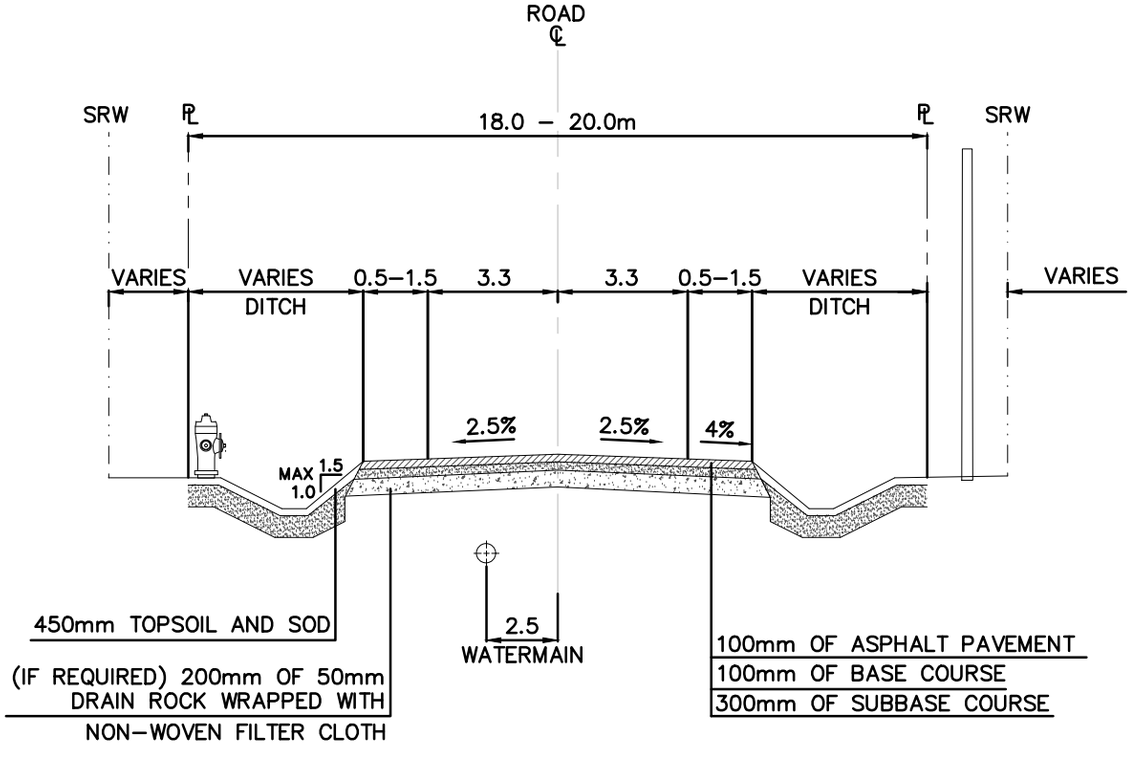
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

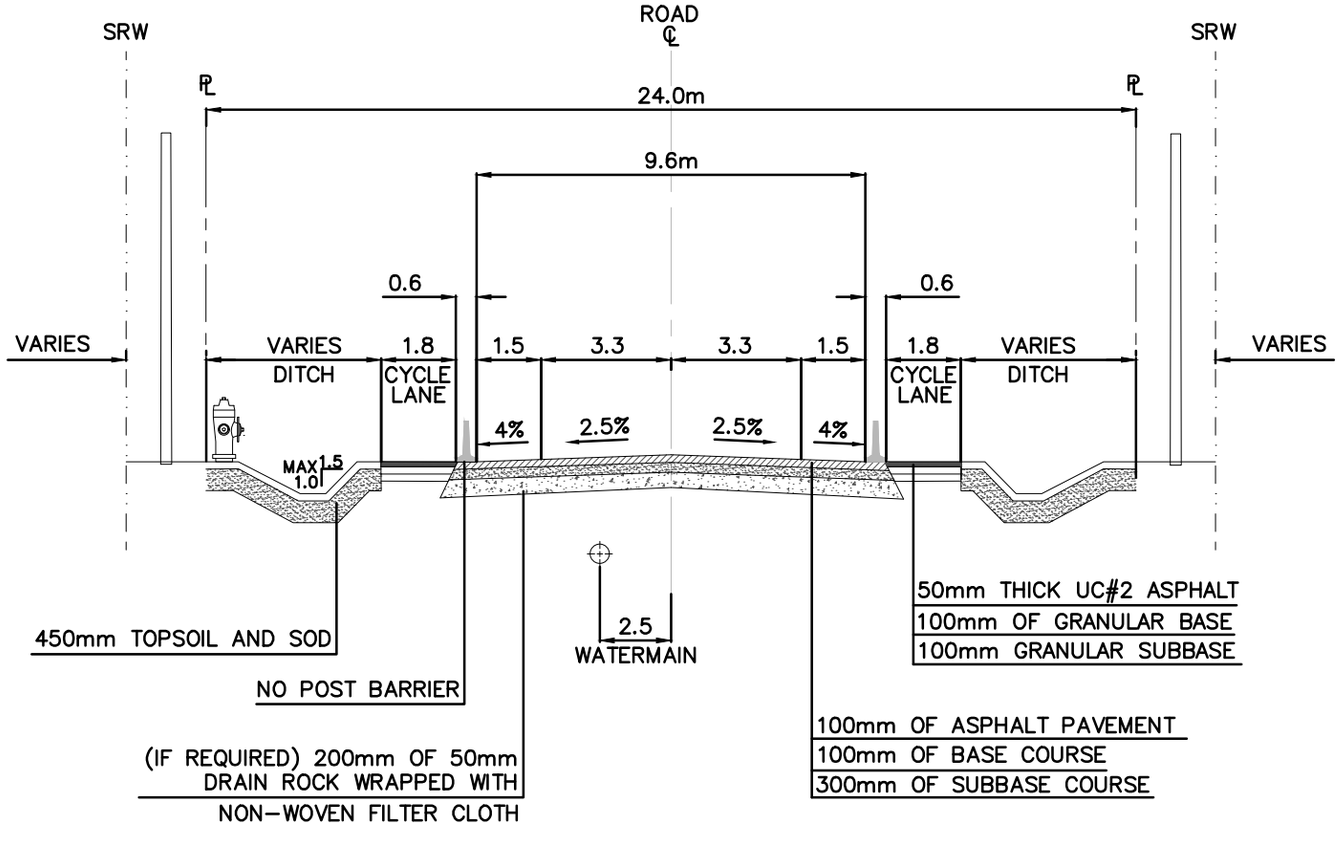
DSD-R.4.1



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT–OF–WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. VEHICLE ACCESS TO HYDRANTS SHOULD BE PROVIDED IF THE DITCH DEPTH EXCEEDS 0.7m.
5. ADDITIONAL SRW AS REQUIRED FOR DITCH/SWALE.
6. IF ROADSIDE BARRIERS ARE INSTALLED, CONSULT WITH DELTA FARMERS INSTITUTE TO CONFIRM LATERAL CLEARANCE REQUIRED FOR AGRICULTURAL VEHICLES.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RURAL ROAD**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.5
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. HYDRO, TEL & GAS LINES MAY BE INSTALLED ON EITHER SIDE OF RIGHT-OF-WAY. HYDRO & TEL TO BE INSTALLED UNDERGROUND AS PER BYLAW NO. 8288.
2. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT-OF-WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
3. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
4. VEHICLE ACCESS TO HYDRANTS SHOULD BE PROVIDED IF THE DITCH DEPTH EXCEEDS 0.7m.
5. ADDITIONAL SRW AS REQUIRED FOR DITCH/SWALE.
6. IF ROADSIDE BARRIERS ARE INSTALLED, CONSULT WITH DELTA FARMERS INSTITUTE TO CONFIRM LATERAL CLEARANCE REQUIRED FOR AGRICULTURAL VEHICLES.

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **RURAL COLLECTOR ROAD WITH PROTECTED CYCLING LANES**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

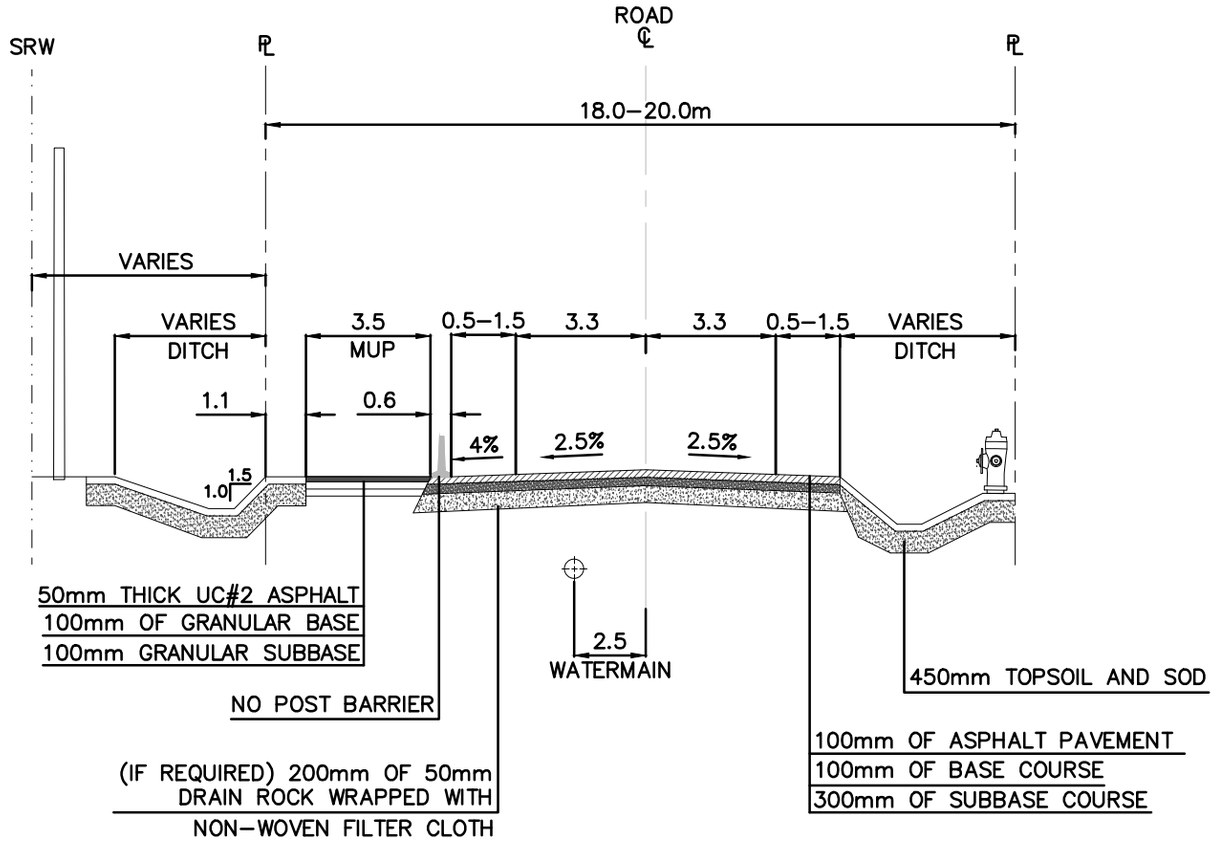
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

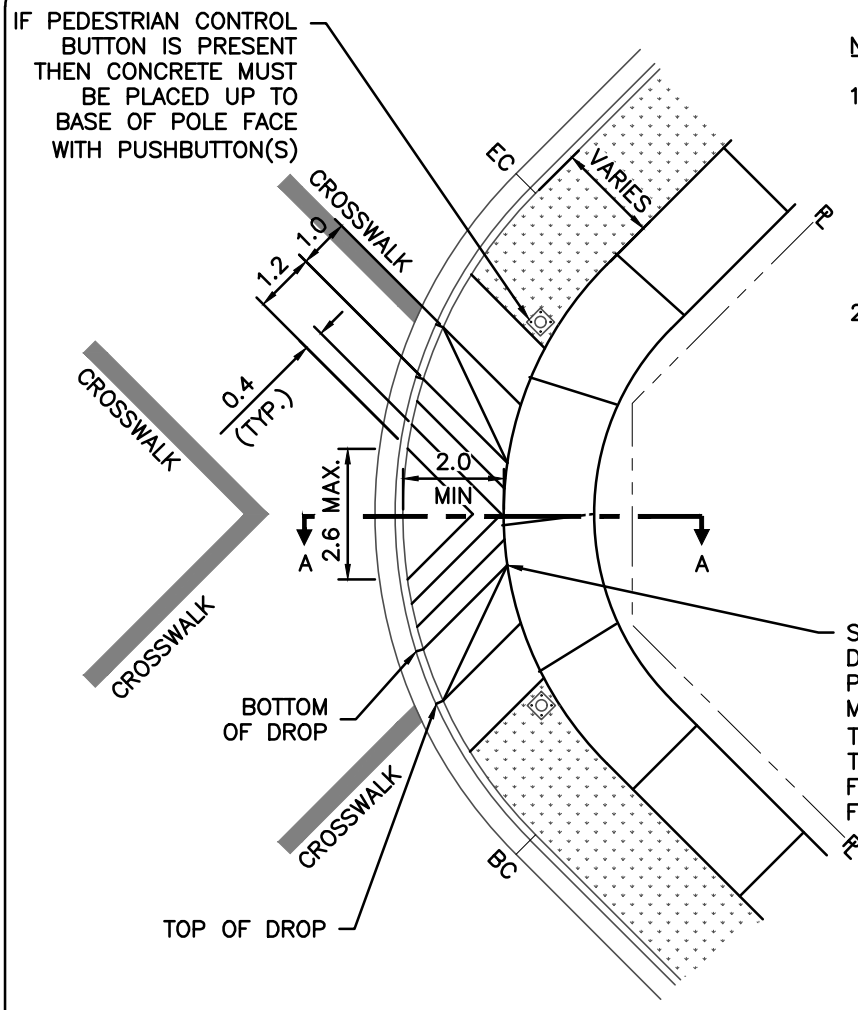
DSD-R.5.1



NOTES:

1. UTILITY SERVICES SHALL BE INSTALLED PRIOR TO FINAL ROAD PAVING, OR MAINS SHALL BE INSTALLED ON BOTH SIDES OF RIGHT–OF–WAY. TRENCHES THROUGH NEW FINAL PAVEMENT FOR INSTALLATION OF MAINS OR SERVICE CONNECTION WILL NOT BE PERMITTED.
2. PAVEMENT SHALL BE LAID IN TWO LIFTS, INITIAL LIFT OF 60mm BY THE OWNER AND FINAL LIFT OF 40mm.
3. ADDITIONAL SRW AS REQUIRED FOR DITCH/SWALE.
4. VEHICLE ACCESS TO HYDRANTS SHOULD BE PROVIDED IF THE DITCH DEPTH EXCEEDS 0.7m.
5. IF ROADSIDE BARRIERS ARE INSTALLED, CONSULT WITH DELTA FARMERS INSTITUTE TO CONFIRM LATERAL CLEARANCE REQUIRED FOR AGRICULTURAL VEHICLES.
6. TO DETERMINE IF CYCLING CROSS–SECTION SHOULD BE USED, REFER TO DSD–R.34 CYCLING MASTER PLAN (ALSO ON DELTA'S WEBSITE).

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RURAL ROAD WITH MUP**
			Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
Delta	SUPPLEMENTARY STANDARD DRAWINGS		DRAWING NUMBER DSD-R.5.2

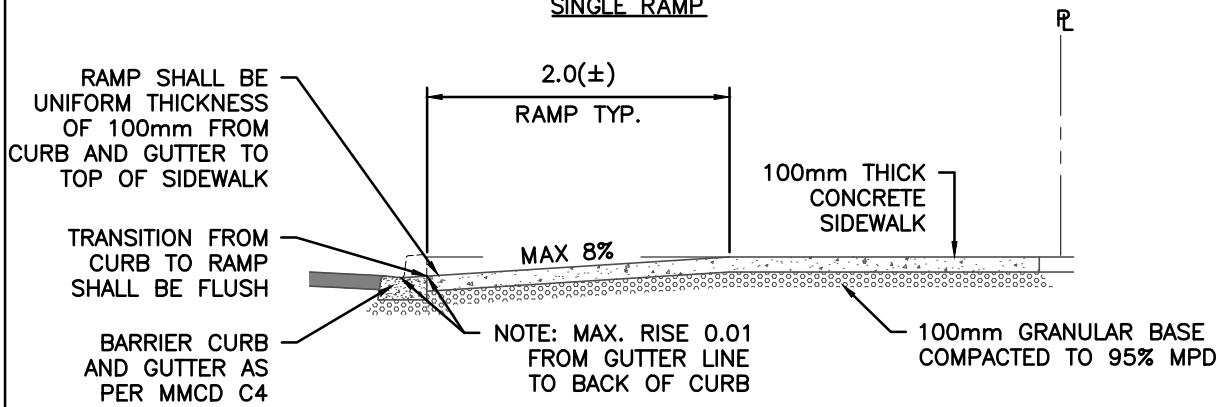


NOTES:

1. STANDARD RAMP LENGTH: 2.0m AT CENTRE OF RAMP. ADJUST LENGTH OF RAMP AS REQUIRED WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT. CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
2. RECOMMENDED RAMP SLOPE: 7.0% ± 1.0%. MAX. SLOPE 8.0% (1:12) WHERE TOPOGRAPHY PERMITS.

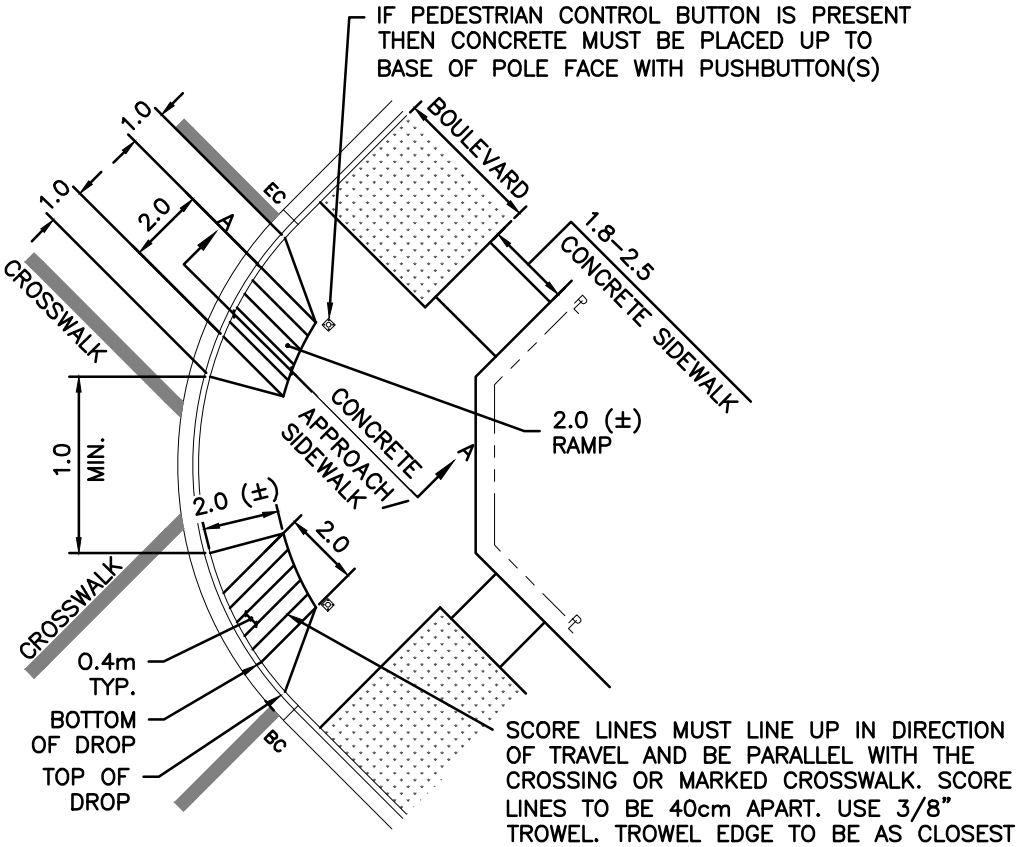
SCORE LINES MUST LINE UP IN DIRECTION OF TRAVEL AND BE PARALLEL WITH THE CROSSING OR MARKED CROSSWALK. SCORE LINES TO BE 40cm APART. USE 3/8" TROWEL. TROWEL EDGE TO BE AS FLUSH AS POSSIBLE WITH BROOM FINISH.

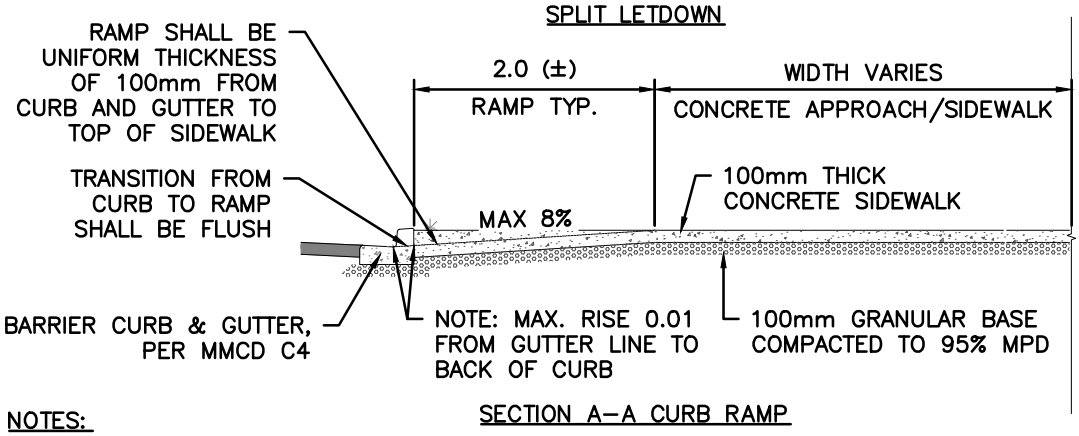
SINGLE RAMP



SECTION A–A CURB RAMP

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SINGLE LETDOWN AT INTERSECTION**
		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-R.6





SECTION A–A CURB RAMP

NOTES:

1. STANDARD RAMP LENGTH: 2.0m AT CENTRE OF RAMP. ADJUST LENGTH OF RAMP AS REQUIRED WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT. CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
2. RECOMMENDED RAMP SLOPE: 7.0% ± 1.0%.
3. MAX. SLOPE 8.0% (1:12) WHERE TOPOGRAPHY PERMITS.
   - 2.5m MIN. WIDE LETDOWN FOR CONNECTION TO M.U.P.
   - 450mm DEPTH FOR GROWING MEDIUM

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **SPLIT LETDOWN AT INTERSECTION**

Delta

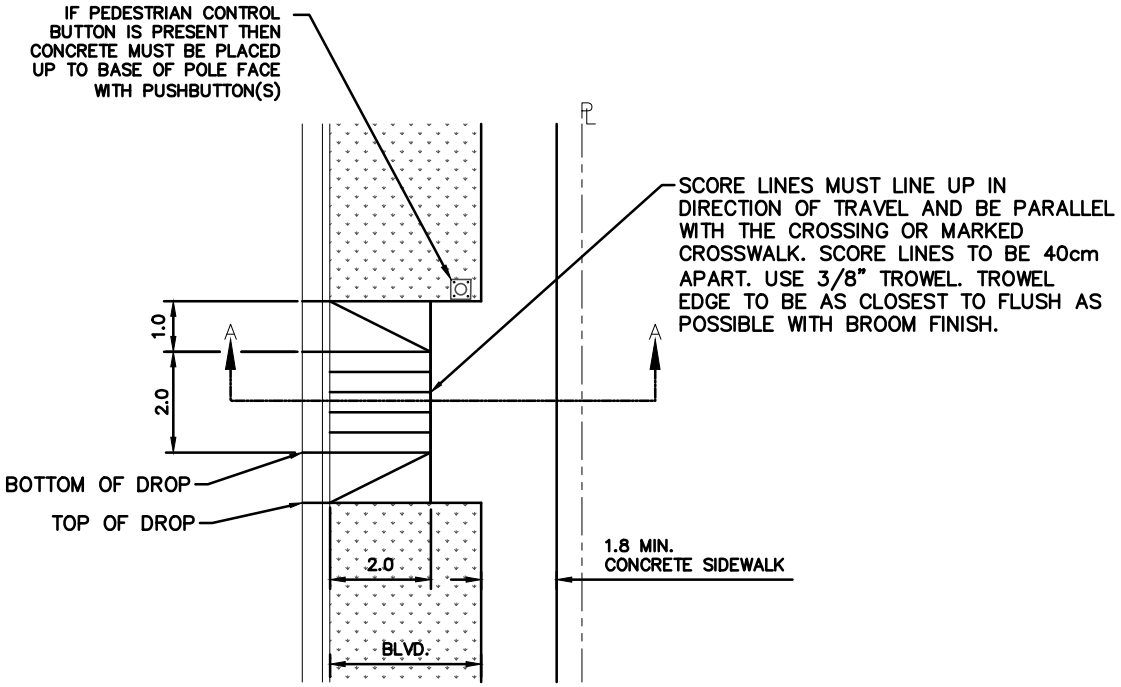
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

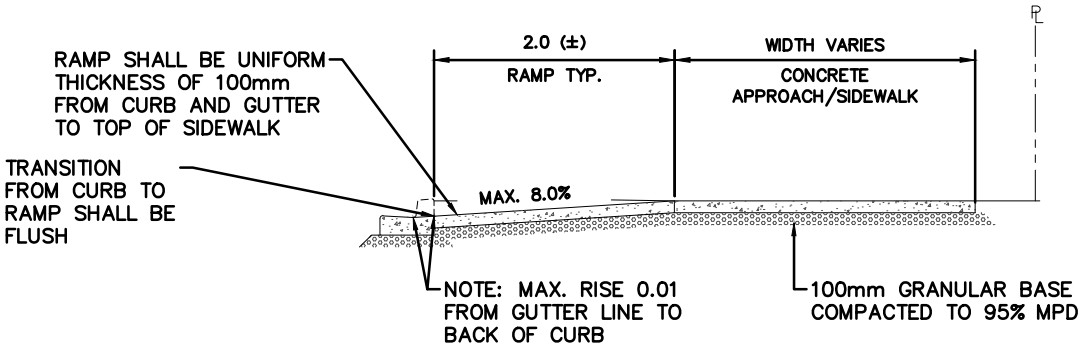
Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.6.1



SINGLE RAMP

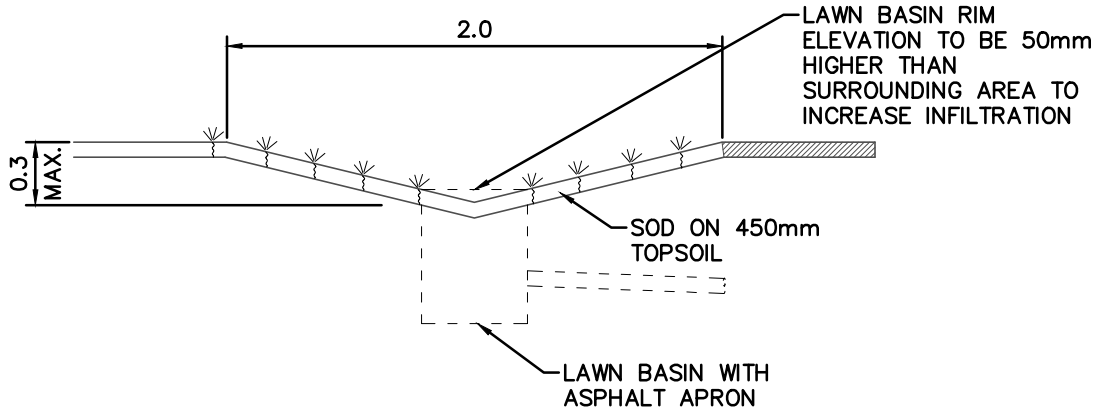


SECTION A–A CURB RAMP

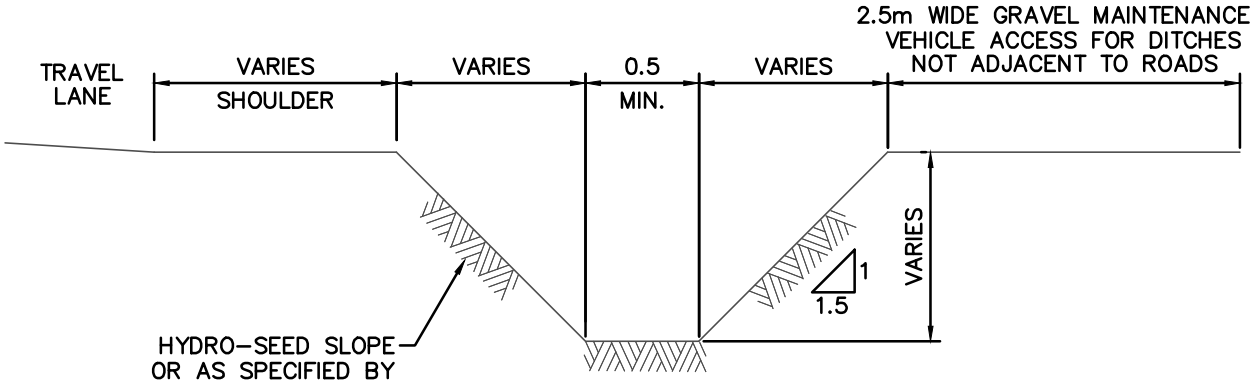
NOTES:

1. STANDARD RAMP LENGTH: 2.0m AT CENTRE OF RAMP. RECOMMENDED RAMP SLOPE: 7.0% ± 1.0%. MAX. SLOPE 8.0% (1:12) WHERE TOPOGRAPHY PERMITS. ADJUST LENGTH OF RAMP AS REQUIRED WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT. CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
2. 3.0m MIN. WIDE LETDOWN FOR CONNECTION TO MUP.
3. 600mm DEPTH FOR GROWING MEDIUM AND/OR 450mm DEPTH FOR INSTALLATION OF SOD.

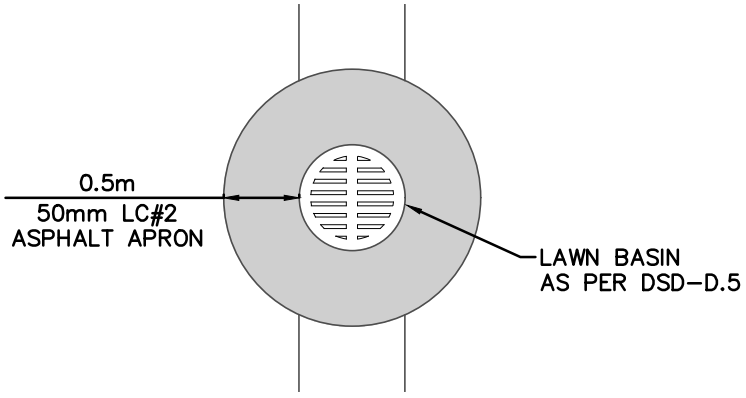
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SINGLE RAMP LETDOWN WITH PARALLEL SCORING**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.6.2
		Scale: N.T.S Date: FEBRUARY, 2026	



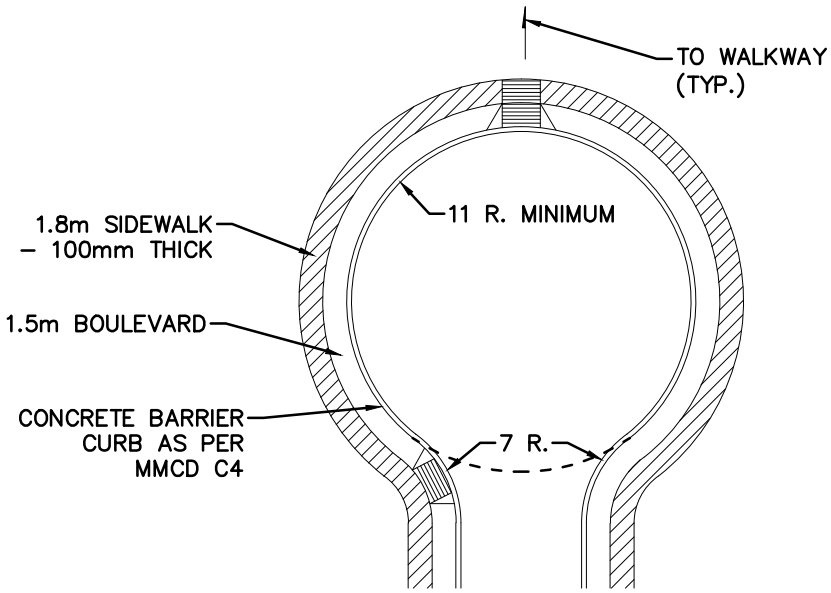
SODDED SWALE



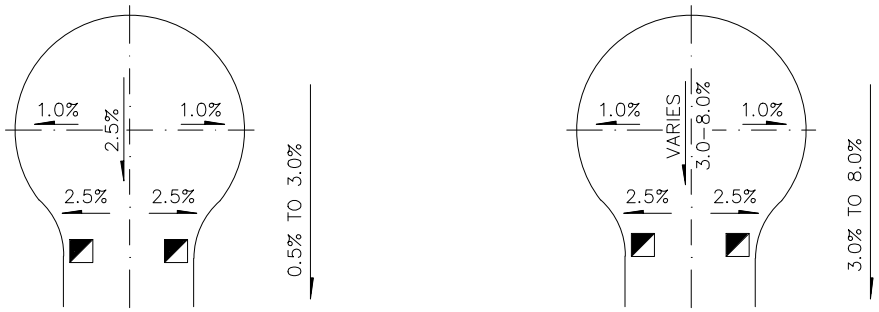
DITCH



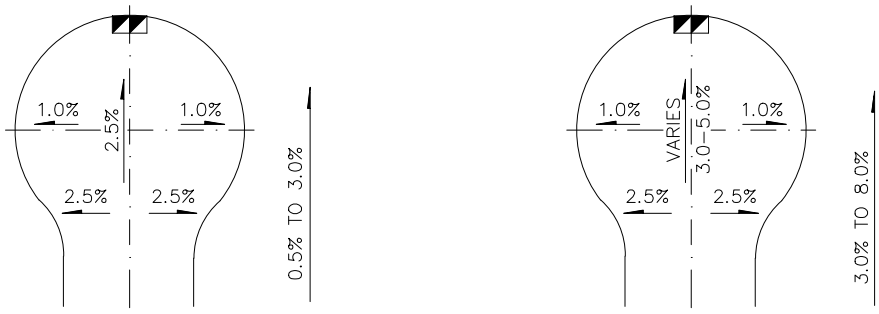
			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **DITCH AND SWALE**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.7
			Scale: N.T.S Date: FEBRUARY, 2026	



WITH SIDEWALK

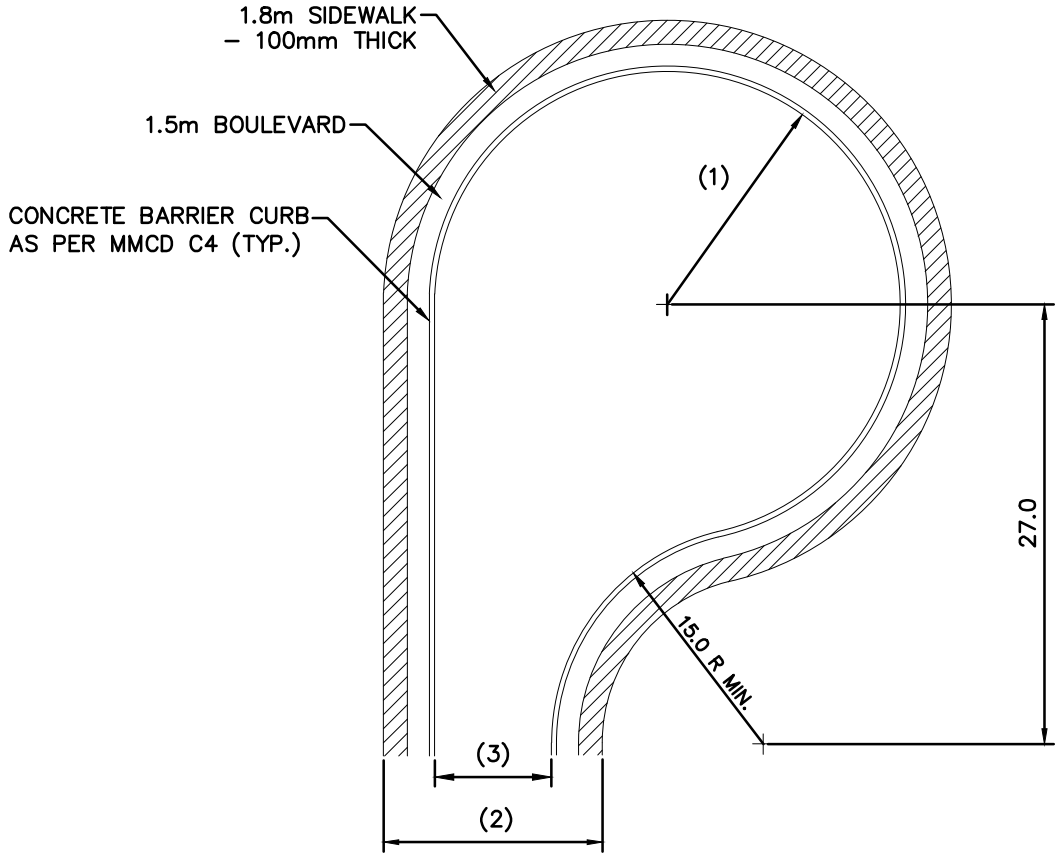


UPHILL GRADING DETAILS (TYPICAL)



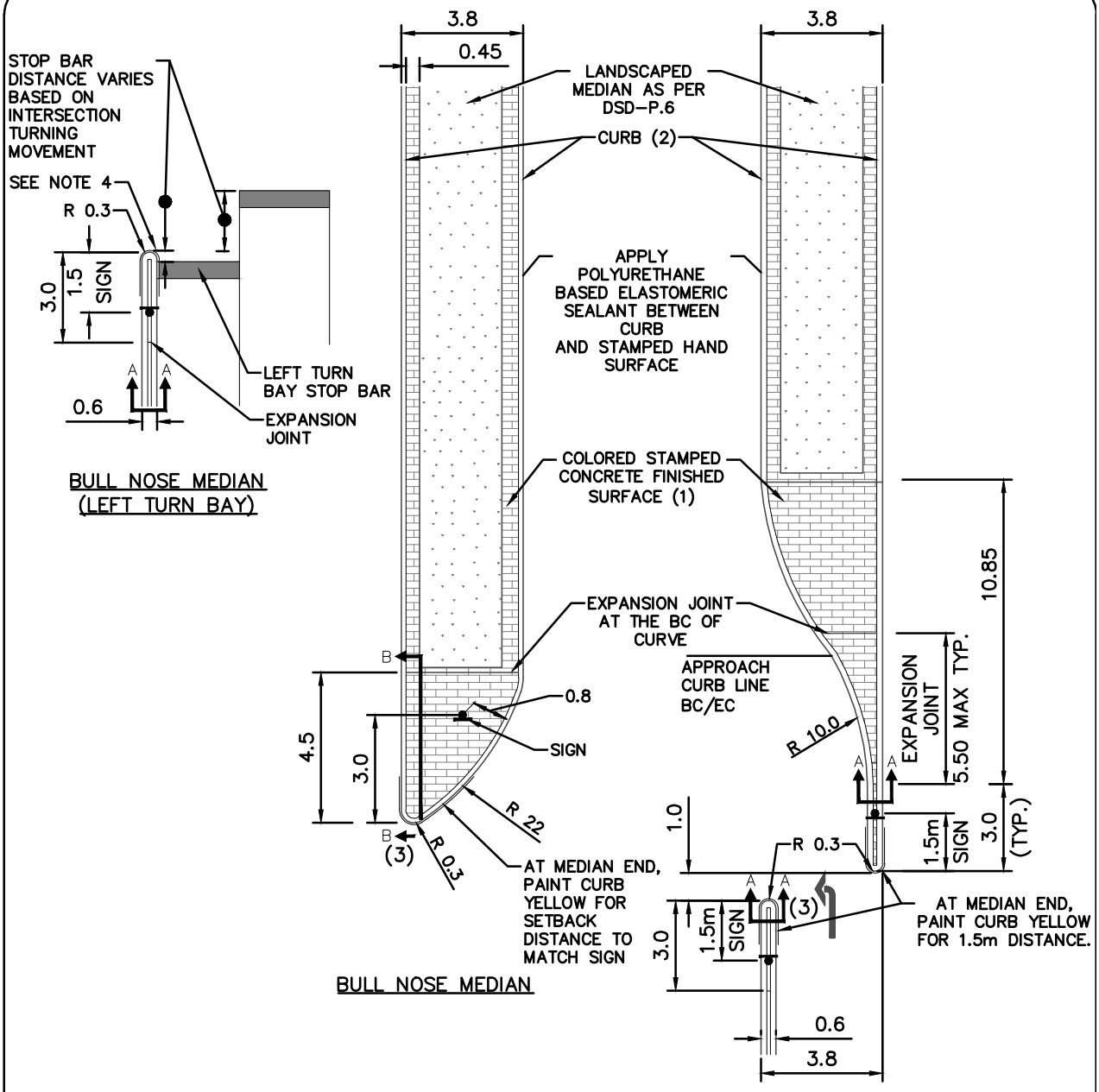
DOWNHILL GRADING DETAILS (TYPICAL)

			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **TURNAROUND, CUL-DE-SAC BULB**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.8
			Scale: N.T.S Date: FEBRUARY, 2026	



(1) R = 11m MINIMUM.
(2) ROAD DEDICATION AS PER ROADWAY CLASSIFICATION.
(3) PAVEMENT WIDTH AS PER ROADWAY CLASSIFICATION.

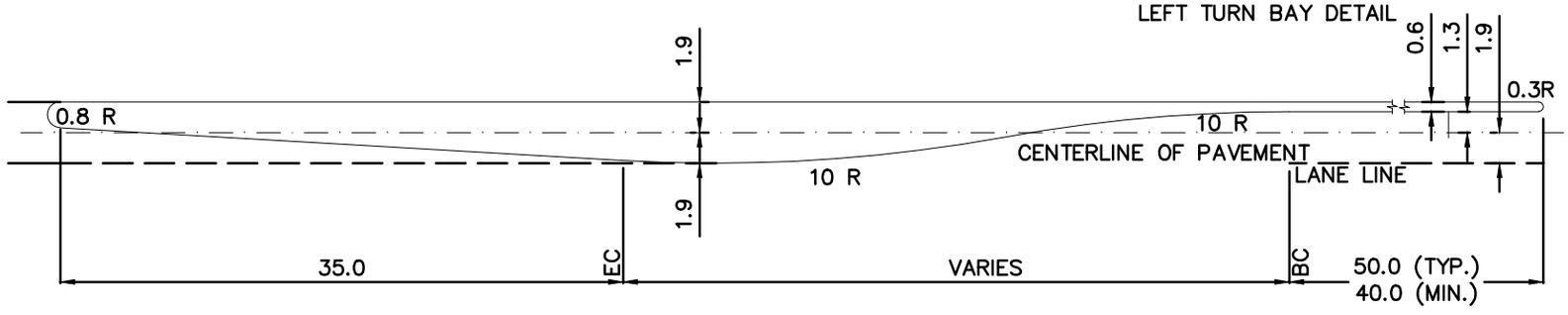
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **CUL-DE-SAC, OFFSET**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.8.1
		Scale: N.T.S Date: FEBRUARY, 2026	



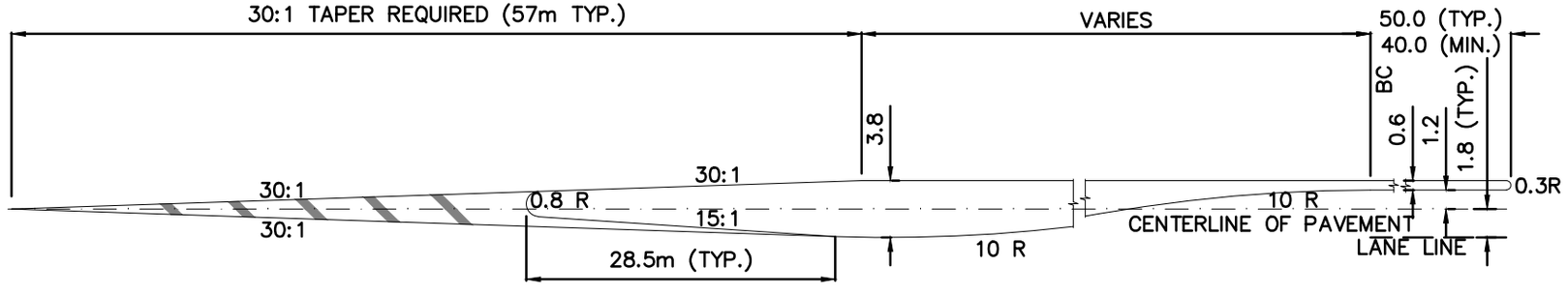
NOTES:

1. CONCRETE TO BE 100mm COLORED DAVIS BRICK RED.
2. CURB TO BE AS PER MMCD C6; MEDIAN CURB, UNLESS APPROVED OTHERWISE.
3. FOR SECTIONS A–A AND B–B SEE DSD–R.11.
4. LEFT TURN BAY STOP BAR OFFSETS AND MEDIAN NOSE MAY VARY DUE TO INTERSECTION TURNING MOVEMENTS AND SHALL BE VERIFIED BY THE ENGINEER.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **RAISED MEDIAN, END TREATMENT**	
	Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.9
			Scale: N.T.S Date: FEBRUARY, 2026	



RAISED MEDIAN DEVELOPED FROM
TWO–WAY LEFT–TURN LANE

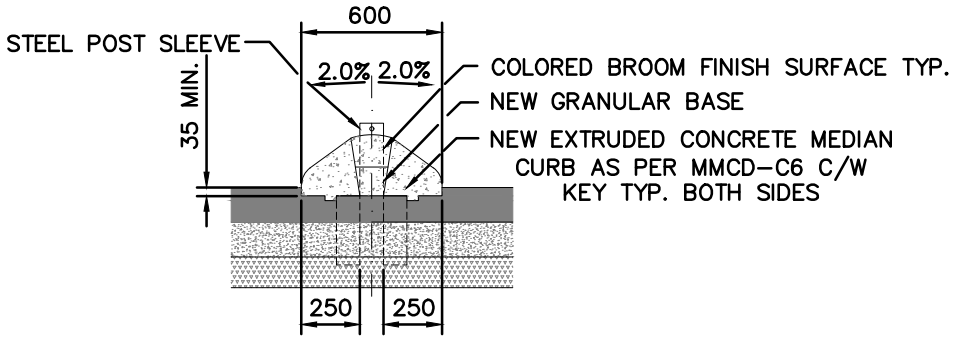


RAISED MEDIAN DEVELOPED FROM
CENTRELINE

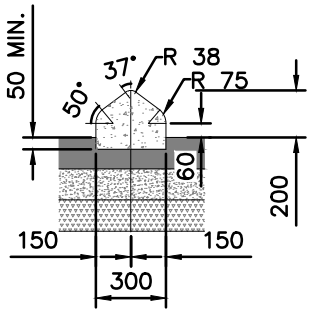
NOTES:

1. REFER TO DSD–R.11 FOR NARROW (SKINNY) MEDIAN DESIGN.
2. SLEEVES TO BE INSTALLED FOR MEDIAN SIGNS.

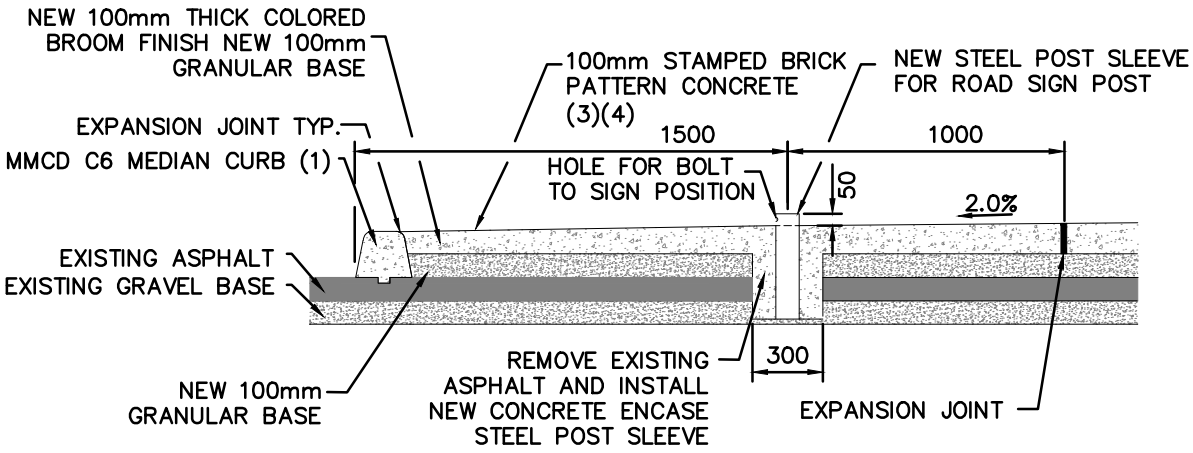
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAISED MEDIAN, LEFT TURN BAY**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.10
		Scale: N.T.S Date: FEBRUARY, 2026	



SECTION A–A
MEDIAN AT LEFT TURN BAY
TYP. SECTION



EXTRUDED CONCRETE CURB CENTER DIVIDER
NARROW SECTION DETAIL

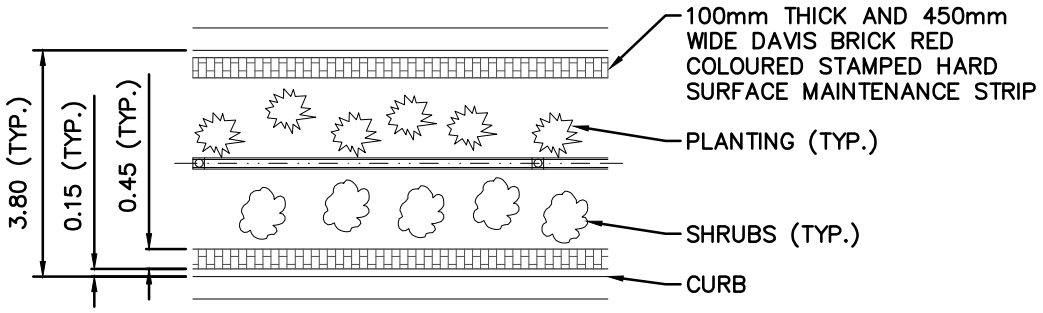


SECTION B–B

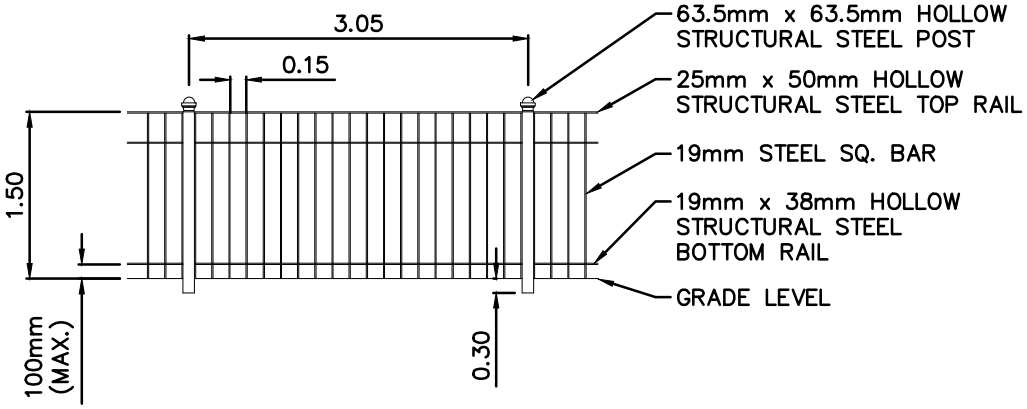
NOTES:

1. CURB AND GUTTER TO BE AS PER MMCD C6 MEDIAN CURB, UNLESS APPROVED OTHERWISE
2. IF ASPHALT IS USED IN PLACE OF CONCRETE (THIS REQUIRES CITY APPROVAL) THEN THE TREATMENT FOR THE POST WOULD BE CONCRETE BLOCK WITH STEEL SLEEVE.
3. STAMPED CONCRETE PATTERN TO BE STAGGERED BRICK PATTERN (DAVIS BRICK RED)
4. BROOM FINISH TO REPLACE STAMPED BRICK PATTERN WHERE WIDTH IS LESS THAN 0.3m

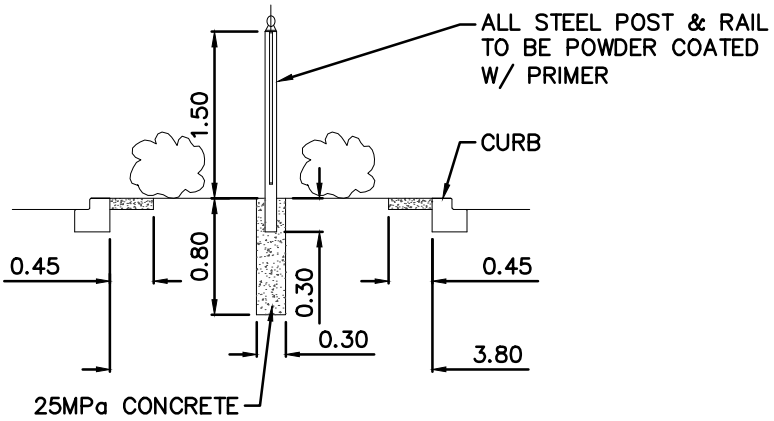
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **RAISED MEDIAN, BULL NOSE MEDIAN CURB END DETAIL**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.11
		Scale: N.T.S Date: FEBRUARY, 2026	



TYPICAL STEEL FENCE DETAIL – PLAN



TYPICAL STEEL FENCE DETAIL – ELEVATION

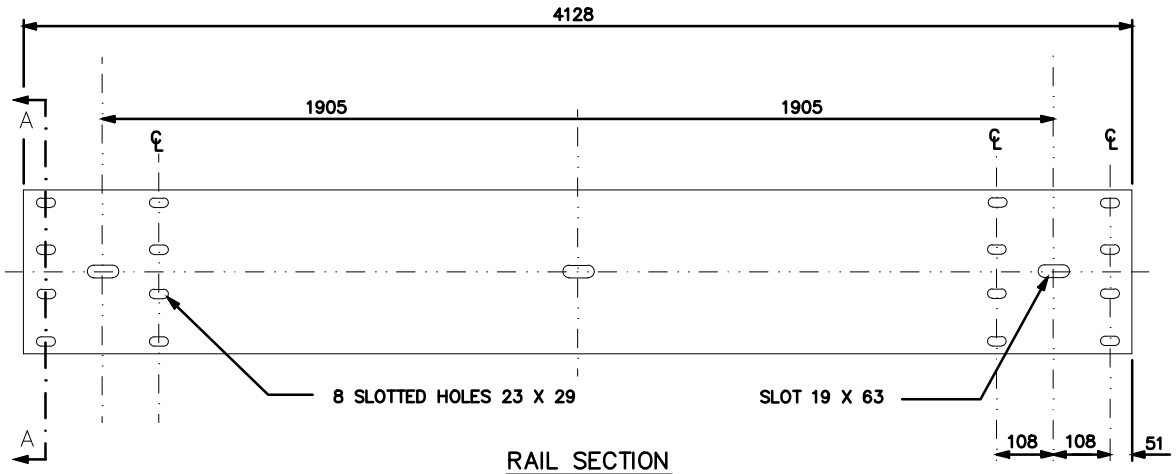


TYPICAL STEEL FENCE DETAIL – SIDE ELEVATION

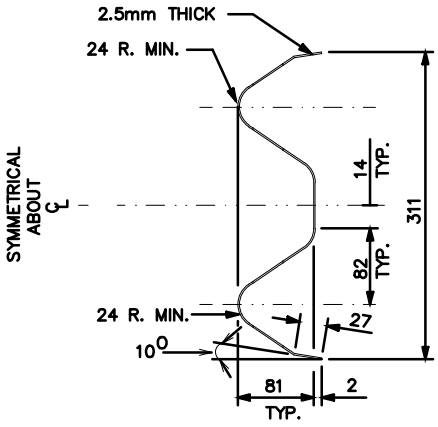
NOTES:

1. AT INTERSECTION APPROACHES, FENCE CAN BE RELOCATED NEXT TO SIDEWALK AND/OR HEIGHT CAN BE ADJUSTED TO 1.2m TO MAINTAIN ADEQUATE SIGHTLINES.
2. IF FENCE IS LOCATED IN A DECORATIVE/GATEWAY CORRIDOR AREA, FENCE TO BE POWDER COATED TO MATCH THE DECORATIVE STREET LIGHTING COLOUR.

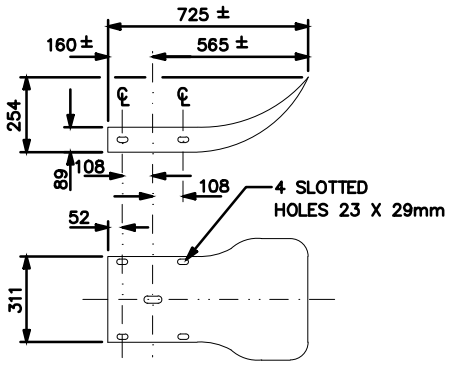
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAISED MEDIAN, FENCE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.12
		Scale: N.T.S Date: FEBRUARY, 2026	



RAIL SECTION

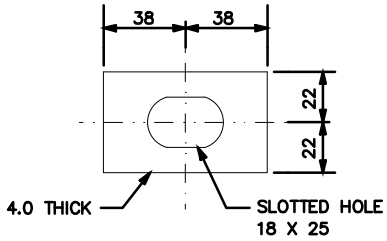


ENLARGED SECTION A–A

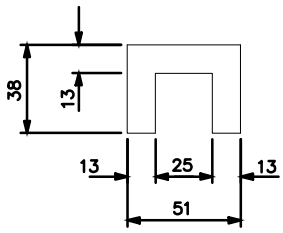


TERMINAL SECTION

(SECTION B–B SIMILAR)



RECTANGULAR WASHER

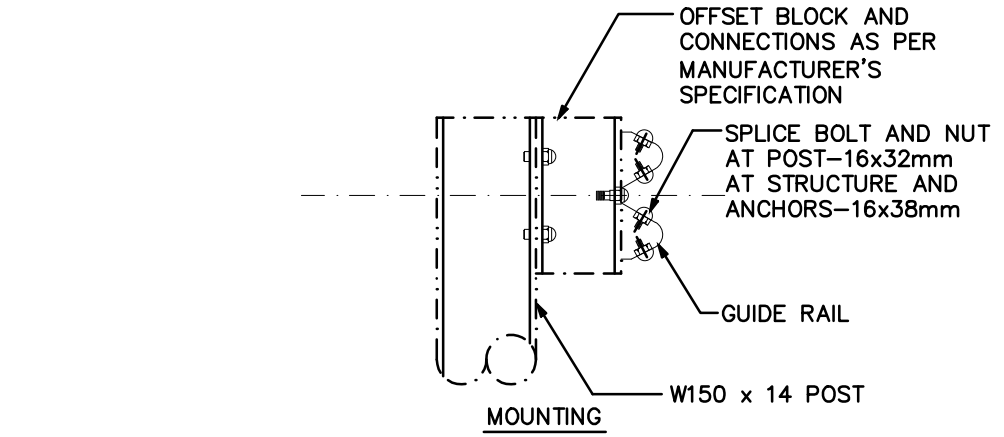


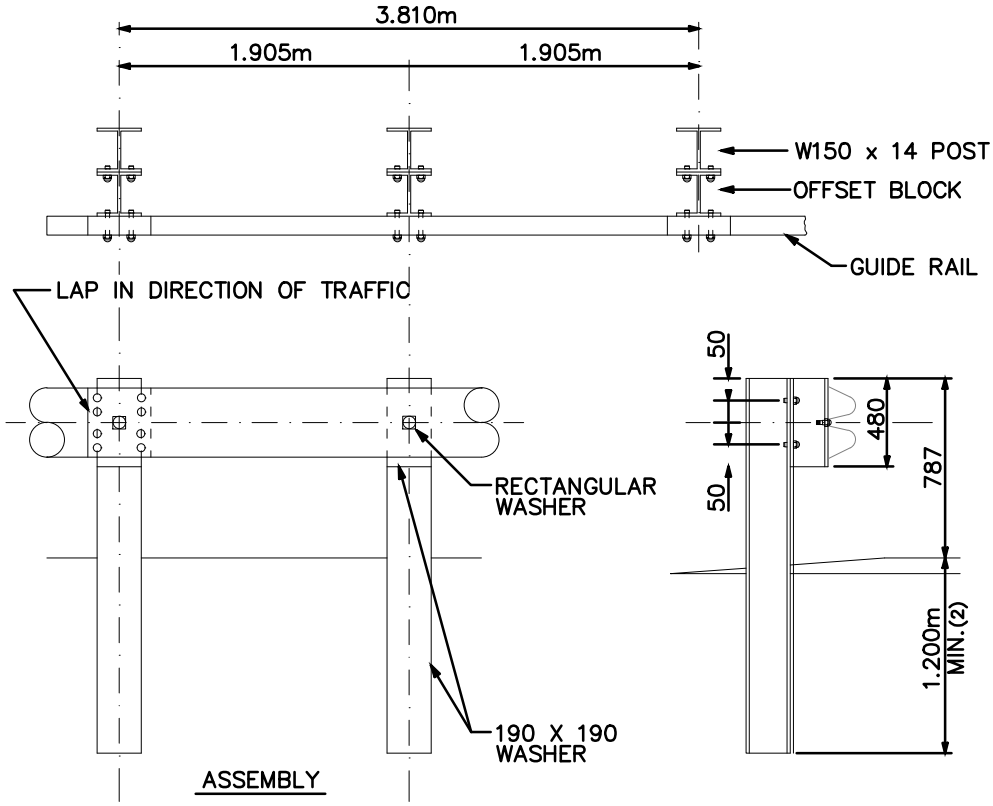
SHIM

NOTE:

ALL METAL TO BE GALVANIZED FINISH

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **GUARD RAIL**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.13
			Scale: N.T.S Date: FEBRUARY, 2026	

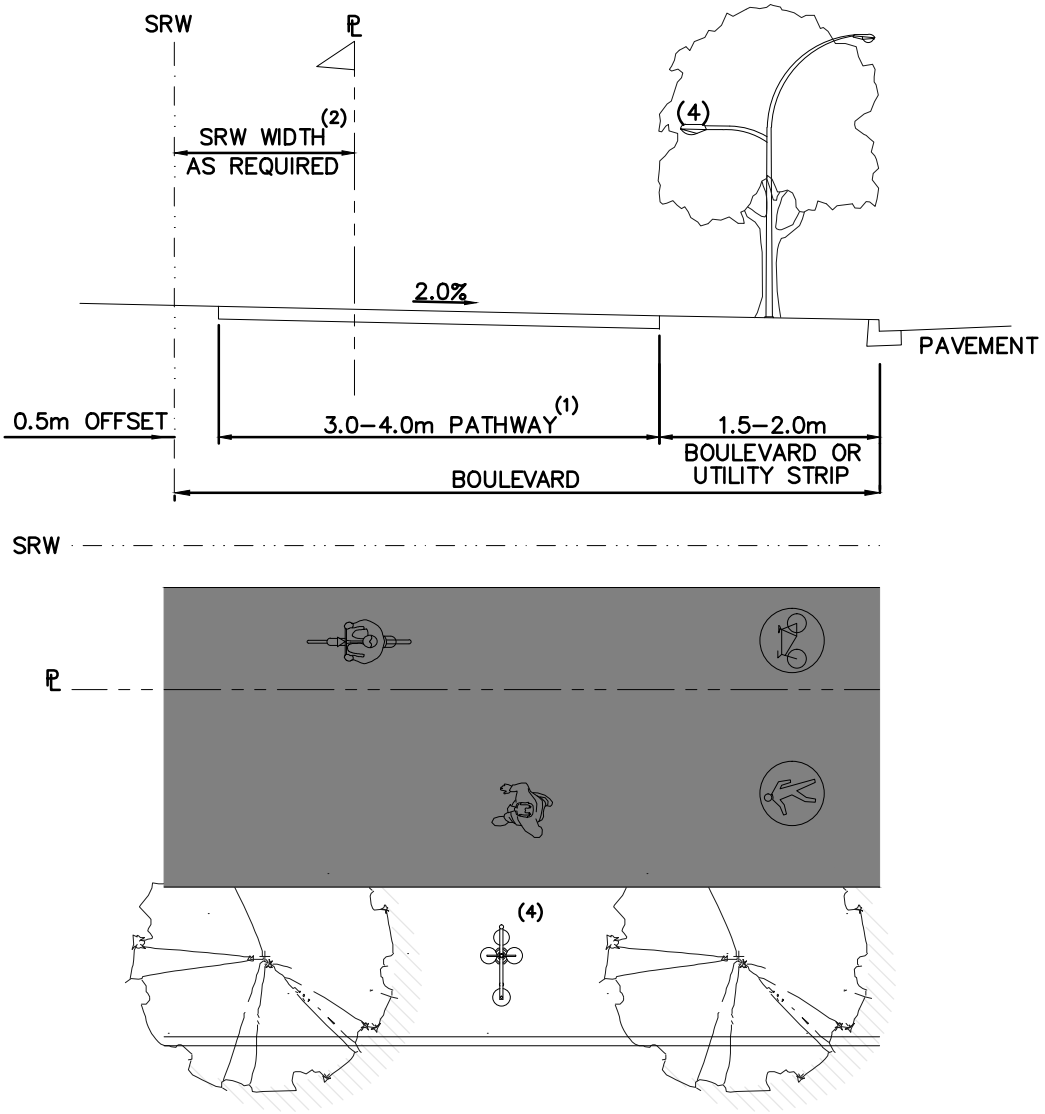




NOTES:

1. ALL METAL TO BE GALVANIZED FINISH.
2. DEPTH OF BURIAL TO BE DESIGNED BASED ON SOIL CONDITION.

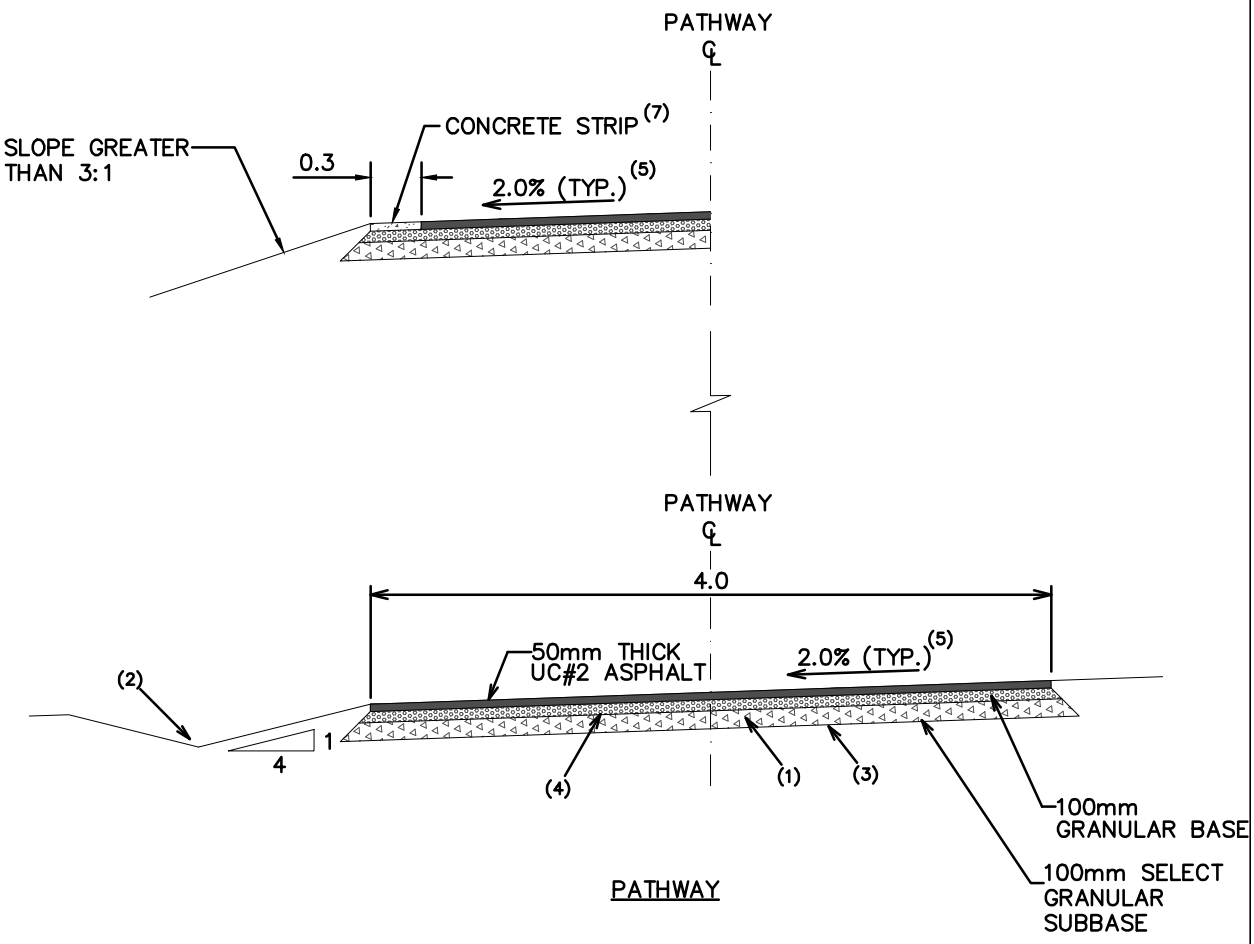
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **GUARD RAIL - ASSEMBLY & MOUNTING**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.14
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. PATHWAY MAY CONSIST OF 3.0–4.0m ASPHALT PATHWAY OR 1.5m CONCRETE SIDEWALK PLUS 1.5m CYCLING PATHWAY AS SPECIFIED BY THE CITY OF DELTA.
2. STATUTORY RIGHT–OF–WAY (SRW) MAY BE REQUIRED IF BOULEVARD WIDTH EXCEEDS TYPICAL ROAD DEDICATION AS SPECIFIED BY THE ENGINEER/APPROVING OFFICER.
3. SINGLE LOCKING BOLLARD CENTERED IN MULTI USE PATH REQUIRED AT INTERSECTIONS AND CURB RETURN DRIVEWAYS.
4. PEDESTRIAN LIGHTING REQUIRED ALONG PATHWAY.

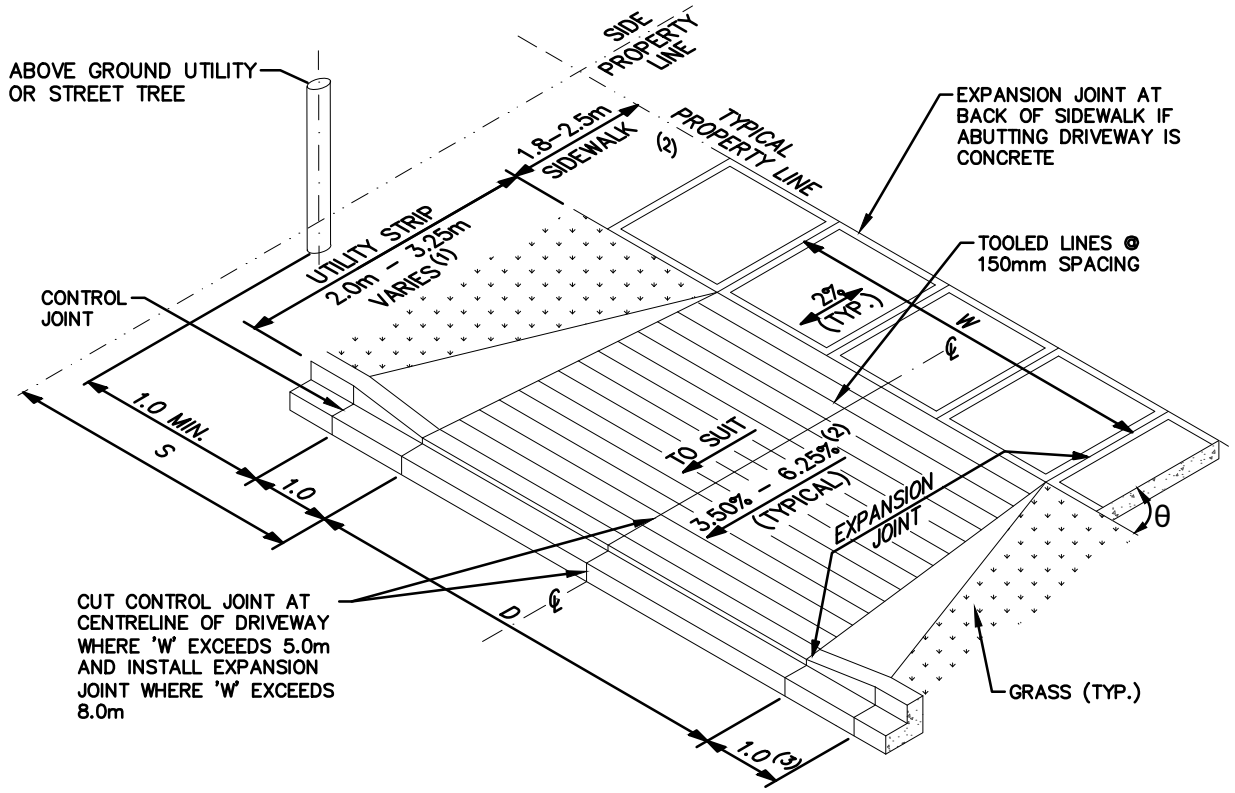
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **PATHWAYS, NEXT-TO-ROAD MULTI-USE DETAIL**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.15
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. STRIPPING ZONE – STRIPPING DEPTH TO BE VARIABLE AND BASED ON ENGINEER'S RECOMMENDATIONS ON SITE. REPLACE WITH SELECT GRANULAR SUBBASE (75mm MINUS) TO 200mm DEPTH AND 75mm PIT–RUN GRAVEL BEYOND, COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
2. DITCH OR SWALE (0.25m MIN. DEPTH TYP.) EXISTING TOPSOIL TO BE HYDROSEEDED. REFER TO THE SWALE DETAIL DSD–R.7 FOR DRAINAGE INFORMATION.
3. GEOTEXTILE (NILEX No. 4545 OR EQUIVALENT)
4. MIL BLACK POLYETHYLENE SHEET.
5. ANY GRADE GREATER THAN 2% NEEDS TO BE APPROVED BY THE CITY.
6. STANDARD PATHWAY WIDTH IS 4.0m, REDUCED 3.0m WIDTH CAN BE USED IN CONSTRAINED LOCATIONS.
7. 0.3m CONCRETE BANDING STRIP (100mm THICK) WHEN ADJACENT SLOPE IS GREATER THAN 3:1.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **PATHWAYS, MULTI-USE SECTION DETAIL**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.16
		Scale: N.T.S Date: FEBRUARY, 2026	



ZONE	OPERATION	W		S	θ–MIN. ANGLE BTWN. THE FRONTAGE PROP. LINE AND THE EDGE OF DRIVEWAY (DEG.)	D
		MIN. (m)	STD. (m)	MIN. DISTANCE FROM SIDE PROPERTY LINE (m)		
SMALL SCALE RESIDENTIAL	N/A	4.0	6.0	1.0	90	6.0–8.0
MULTI FAMILY RESIDENTIAL	ONE WAY	N/A	4.5	2.0	45	
	TWO WAY	N/A	7.3	2.0	90	9.7
LANE	RESIDENTIAL	N/A	6.0	0.75	90	7.5
COMMERCIAL	ONE WAY	N/A	4.5	2.0	45	
	TWO WAY	7.3	11.0	2.0	90	13.0
INDUSTRIAL	ONE WAY	N/A	5.0	2.0	30	
	TWO WAY	9.0	14.0	2.0	90	16.0
RURAL	TWO WAY	7.0	11.0	2.0	90	11.0

NOTES:

1. FOR UTILITY STRIP LESS THAN 2.0m, SIDEWALK SLOPE MUST REMAIN AT 2%.
2. DRIVEWAY CROSSINGS WITHIN THE ROAD DEDICATION SHALL BE 200mm THICK FOR COMMERCIAL, LANE, INDUSTRIAL, AND RURAL CROSSINGS AND 150mm THICK FOR RESIDENTIAL CROSSINGS.

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **DRIVEWAY LETDOWN DETAIL**

Delta

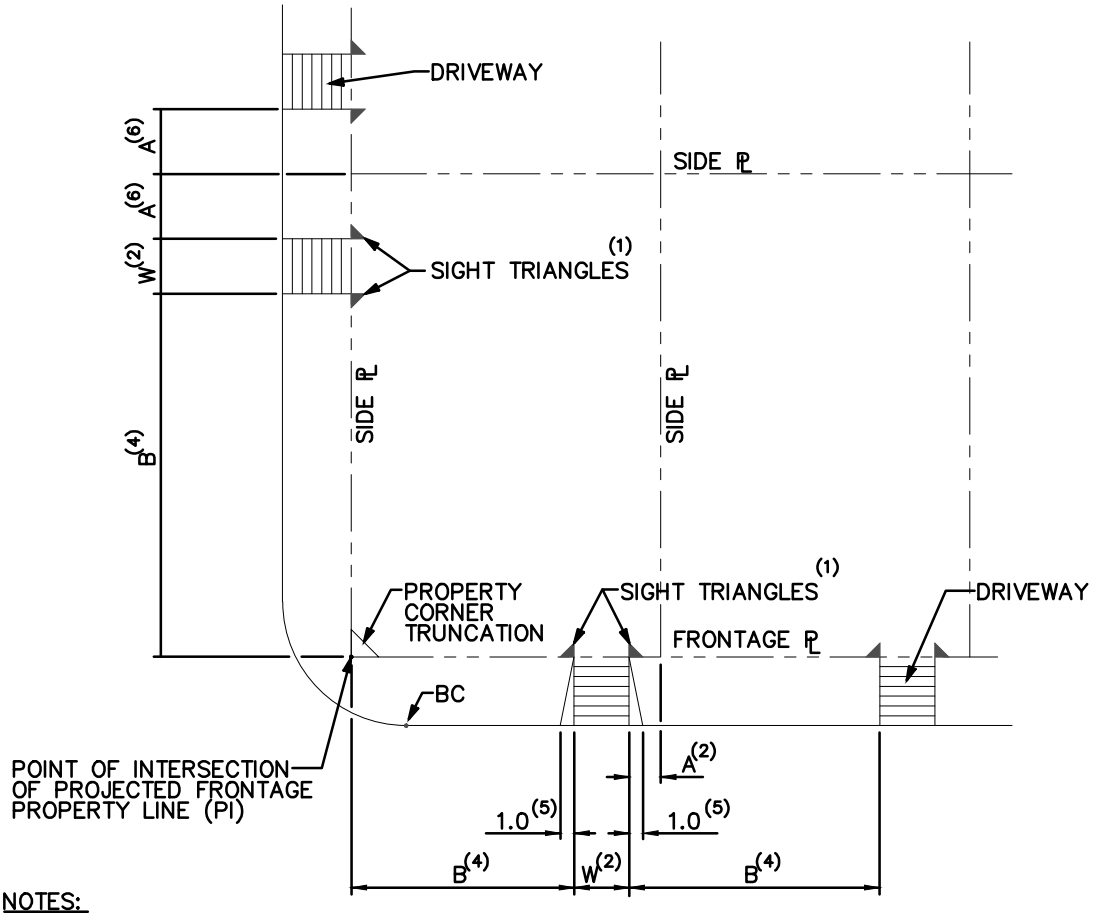
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.17



NOTES:

1. SIGHT TRIANGLE: – 1.0m X 1.0m FOR RESIDENTIAL ZONES.
   – USE TAC GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS, THE LATEST EDITION.
   – OBSTRUCTION TO SIGHT (EG. LANDSCAPE, FENCES, SIGNS, ETC.) SHALL NOT BE HIGHER THAN 0.5m WITHIN THE SIGHT TRIANGLE.
2. FOR DIMENSION OF 'W' AND 'A', SEE TABLE ON DSD–R.17.
3. CORNER LOTS IN URBAN RESIDENTIAL ZONES, DRIVEWAYS SHALL BE LOCATED NEAR SIDE PROPERTY LINE AND AWAY FROM INTERSECTION.
4. 'B' SHALL BE MIN. 9.0m FOR LOCAL ROADS, 25.0m FOR COLLECTOR ROADS, 35.0m FOR ARTERIAL ROADS WITH DESIGN SPEED OF 60km/hr, AND 50.0m FOR ARTERIAL ROADS WITH DESIGN SPEED OF 70km/hr. DRIVEWAY SPACING MAY BE REDUCED SUBJECT TO THE APPROVAL OF THE CITY OF DELTA.
5. THE FLARE IS NOT REQUIRED FOR ROLLOVER CURBS. FLARE IS NOT REQUIRED WHERE GRASS/LANDSCAPING ABUTS A SINGLE FAMILY RESIDENTIAL DRIVEWAY. FLARE NOT PERMITTED WITH PAIRED RESIDENTIAL DRIVEWAYS EXCEPT WHERE SIDEWALK ABUTS THE CURB TO MATCH EXISTING STANDARD.
6. FOR URBAN RESIDENTIAL ZONE DRIVEWAYS, THE SPACING 'B' MAY BE REDUCED TO THE MIN. 'A' ON EACH SIDE OF THE PROPERTY LINE BETWEEN DRIVEWAYS, TO ALLOW FOR PAIRED DRIVEWAYS.

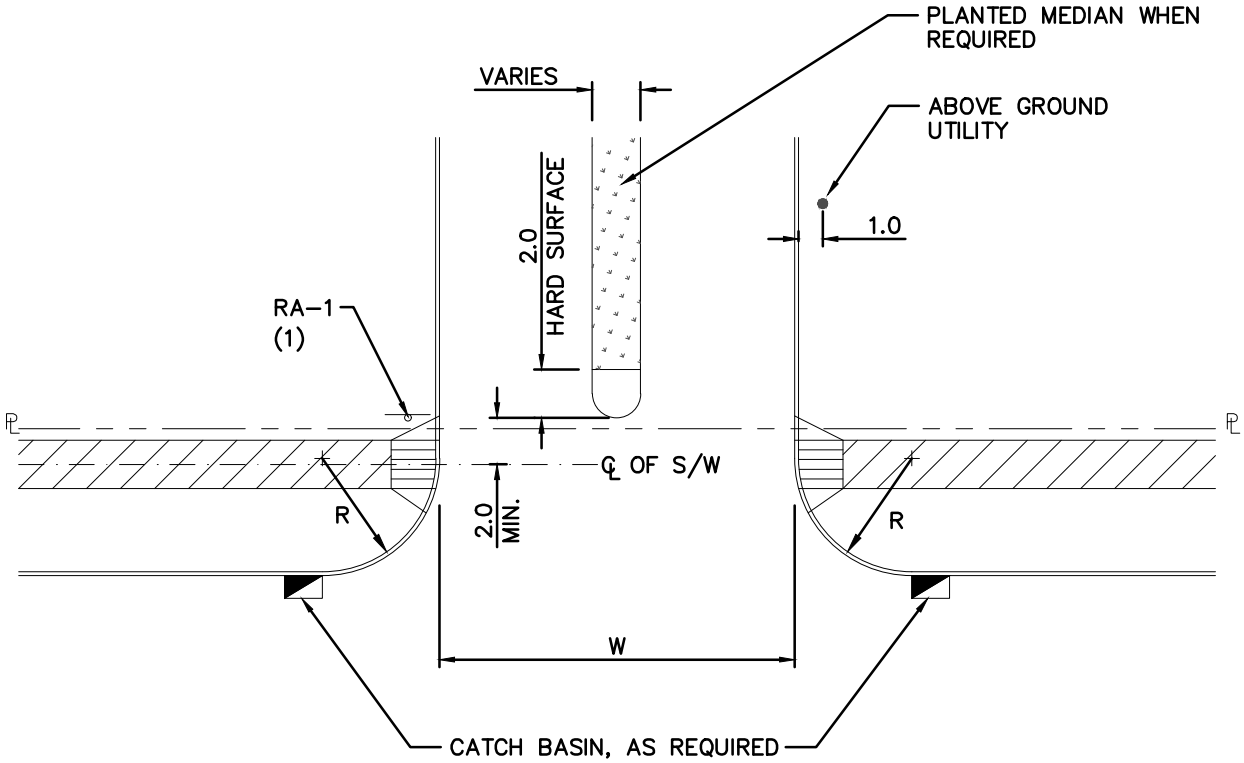
No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **DRIVEWAYS, LOCATIONS & SPACING**
			Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026

Delta

SUPPLEMENTARY STANDARD DRAWINGS

DRAWING NUMBER

DSD-R.18



ZONE	DRIVEWAY TYPE	W		R	
		MIN. (m)	MAX. (m)	MIN.	MAX.
MULTI-FAMILY	TWO WAY	7.3	9.0 (EXCLUDING MEDIAN)	7.0	9.0
	ONE WAY	4.5	5.5		
COMMERCIAL	TWO WAY	7.3	11.0 (EXCLUDING MEDIAN)*	7.0	11.0
	ONE WAY	4.5	5.5		
INDUSTRIAL ZONE	TWO WAY	9.0	14.0 (EXCLUDING MEDIAN)	9.0	12.0
	ONE WAY	4.5	6.0		

* THE MAXIMUM WIDTH OF A DRIVEWAY TO A COMMERCIAL PROPERTY WHERE LOADING/UNLOADING ACTIVITY IS PRESENT SHALL BE 9.0m WIDE

NOTES:

1. SIGN TO BE INSTALLED AND MAINTAINED BY PROPERTY OWNER.
2. DRIVEWAY LET-DOWNS PREFERRED INSTEAD OF CURB RETURNS, WHENEVER POSSIBLE.

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **DRIVEWAYS, CURB RETURN CROSSING**

Delta

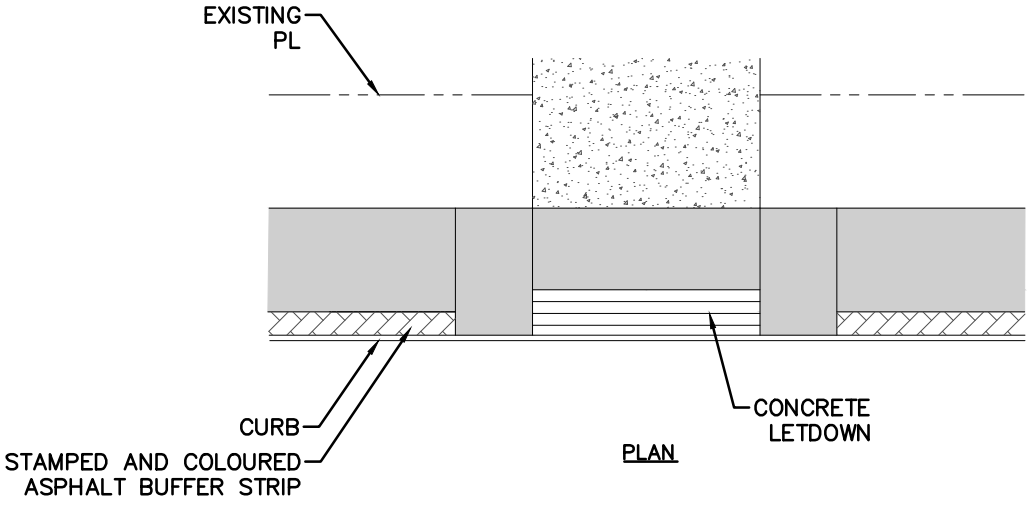
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

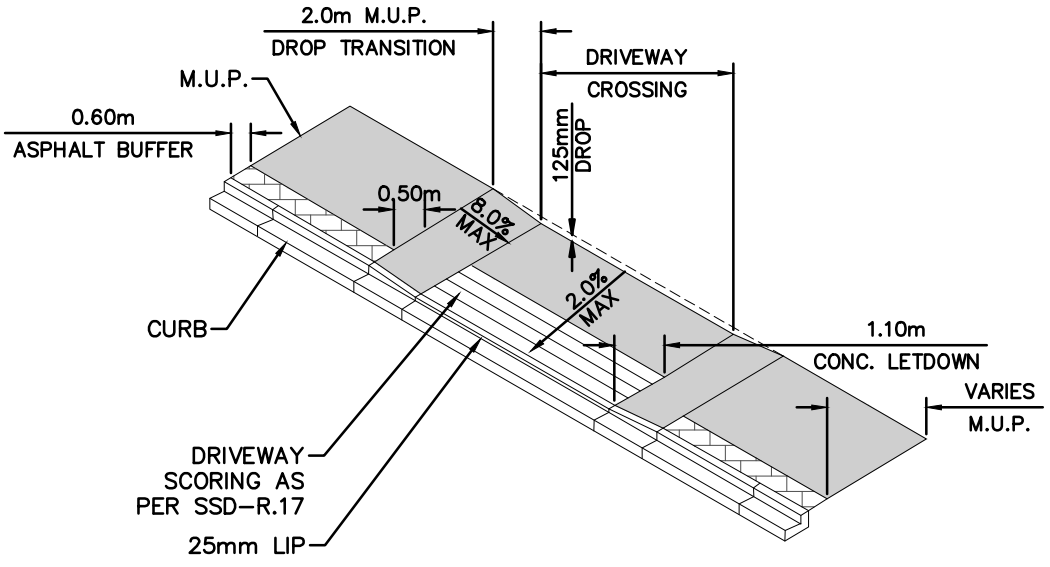
Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.19

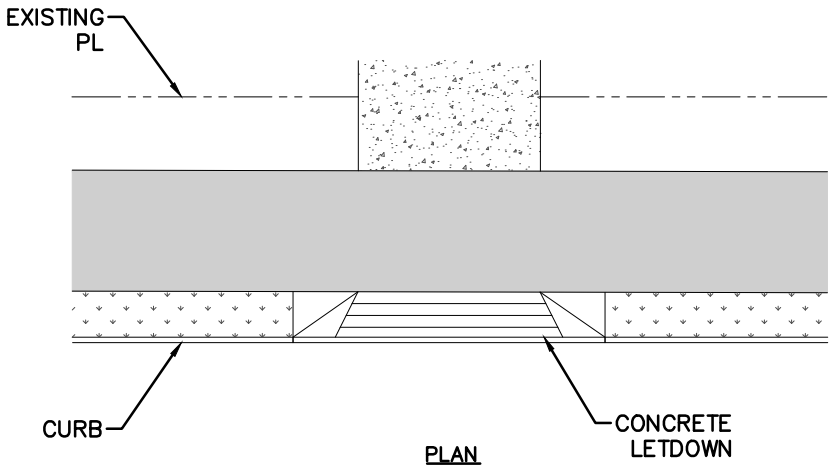


PLAN

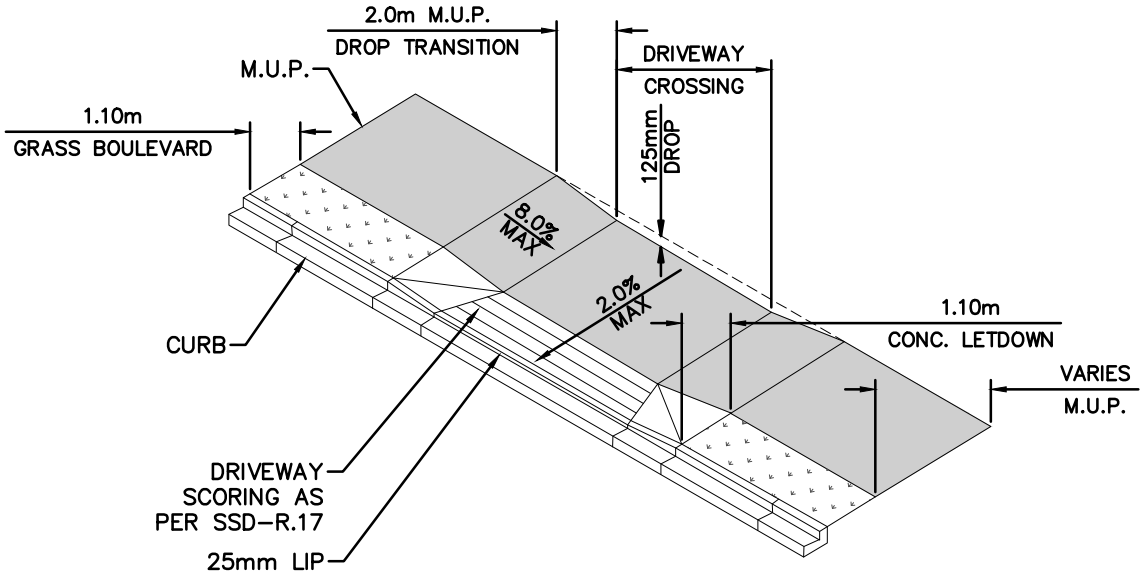


DRIVEWAY – 125mm DROP DETAIL
N.T.S.

			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : MUP DRIVEWAYS, STAMPED ASPHALT BUFFER	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.20
			Scale: N.T.S Date: FEBRUARY, 2026	

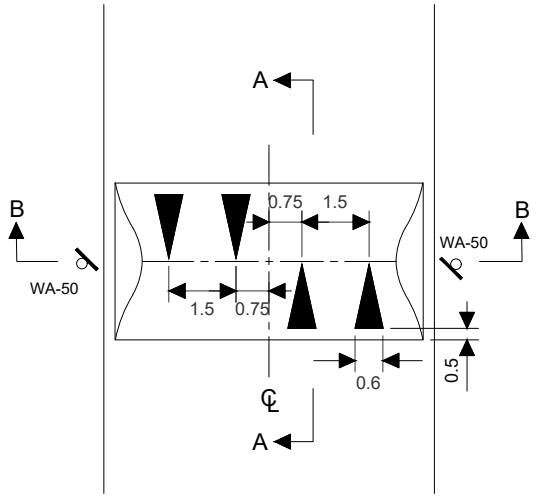


PLAN

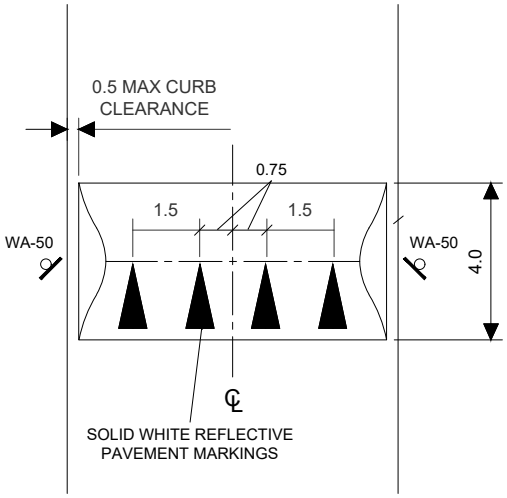


DRIVEWAY – 125mm DROP DETAIL
N.T.S.

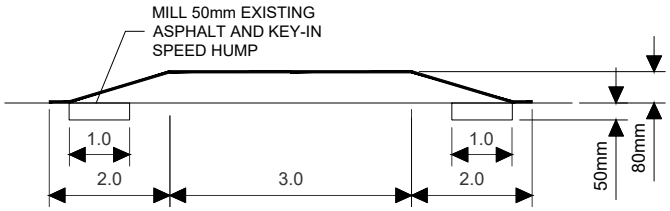
			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **MUP DRIVEWAYS, GRASSED BOULEVARD**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.21
			Scale: N.T.S Date: FEBRUARY, 2026	



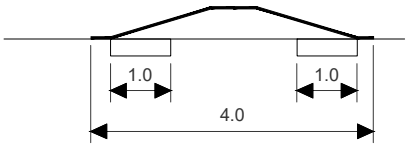
TWO-WAY STREET



ONE-WAY STREET



SECTION A-A
COLLECTOR STREET

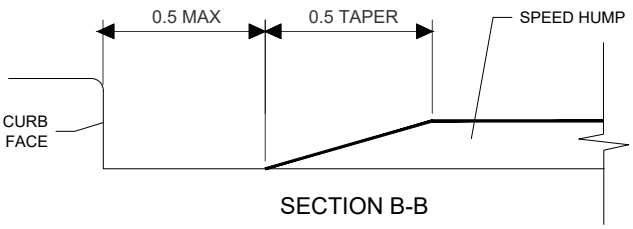


SECTION A-A
LOCAL STREET

SINUSOIDAL SPEED HUMP DEVELOPMENT

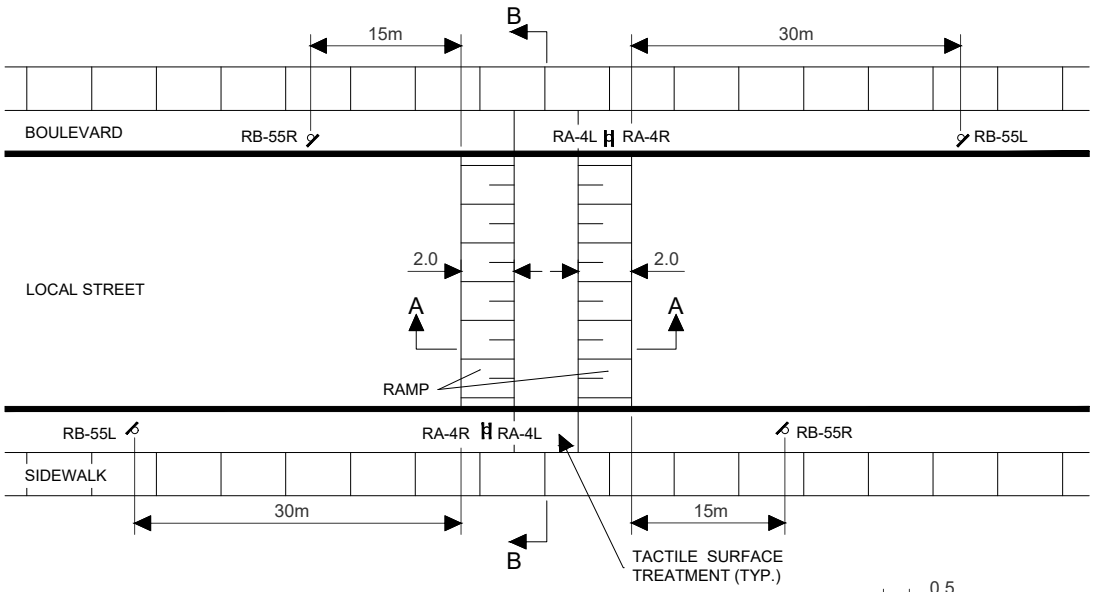
DISTANCE (m)	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000
FINISHED HEIGHT (mm)	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

SIGN DESCRIPTIONS:	
WA-50	SPEED HUMP



SECTION B-B

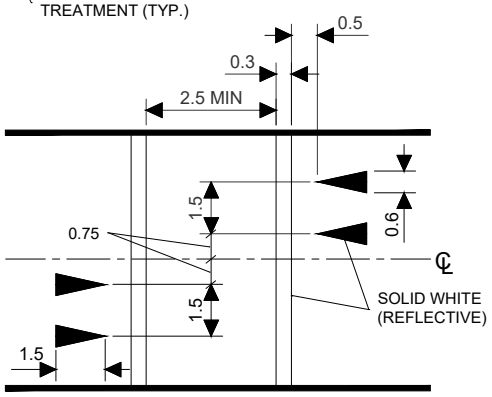
			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **SPEED HUMP DETAIL**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.22
			Scale: N.T.S Date: FEBRUARY, 2026	



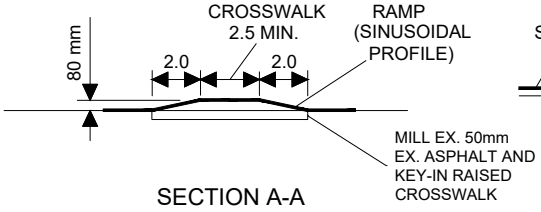
SIGN DESCRIPTIONS:

RA-4	DEPESTRIAN CROSSWALK
RB-55	NO STOPPING

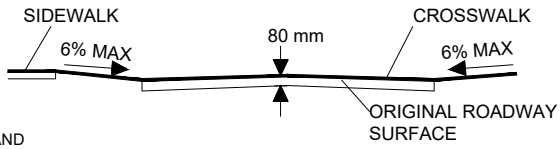
- CATCH BASINS ARE REQUIRED ON THE UPHILL SIDE OF A RAISED CROSSWALK.
- TO SATISFY THE RECOMMENDED CURB-FACE HEIGHT OF 15mm MAY REQUIRED SIDEWALK RECONSTRUCTION ADJACENT TO THE CURB



PAVEMENT MARKINGS
(TWO-WAY STREET)



SECTION A-A



SECTION B-B

RAMP HEIGHT DEVELOPMENT

CROSSWALK PROFILE PARALLEL TO ROADWAY SURFACE

DISTANCE (m)	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2000
FINISHED HEIGHT (mm)	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **MID-BLOCK RAISED CROSSWALK DETAIL**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

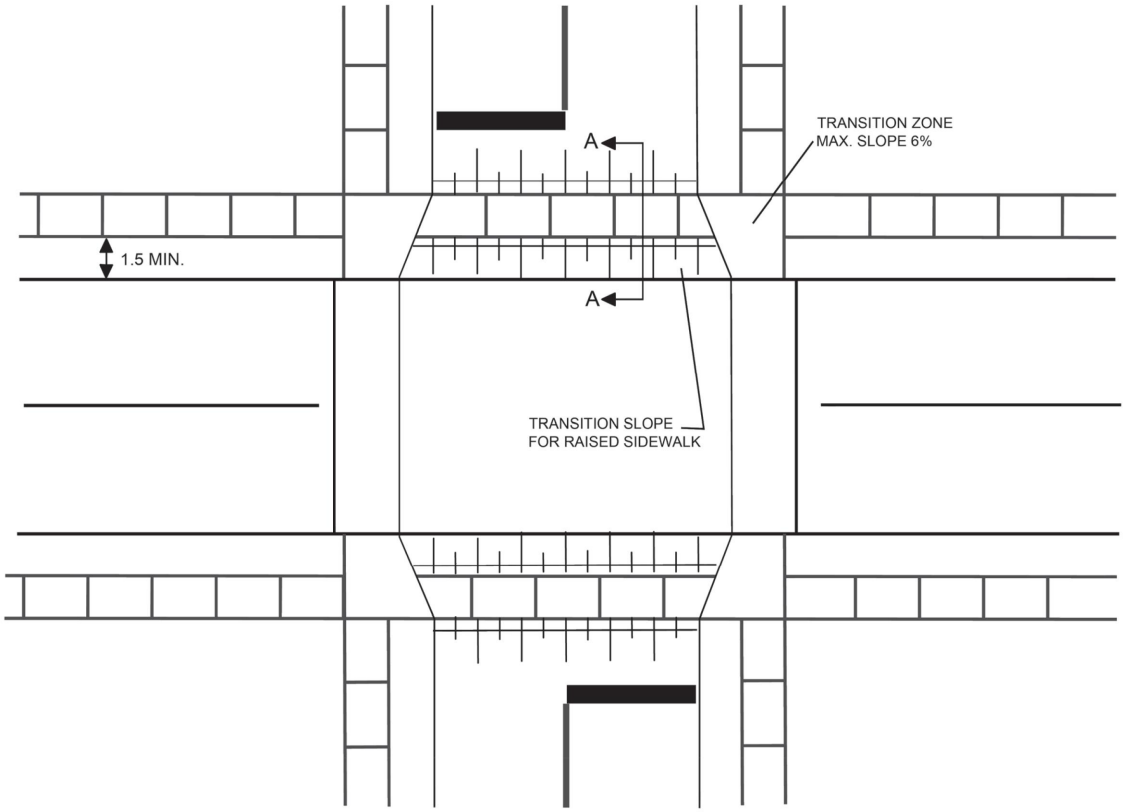
Approved By :

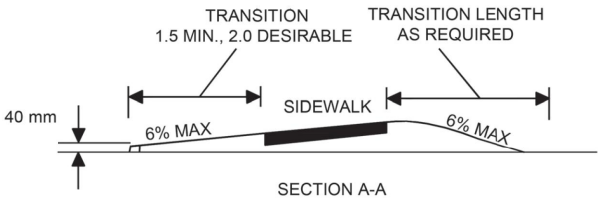
Scale: N.T.S

Date: FEBRUARY, 2026

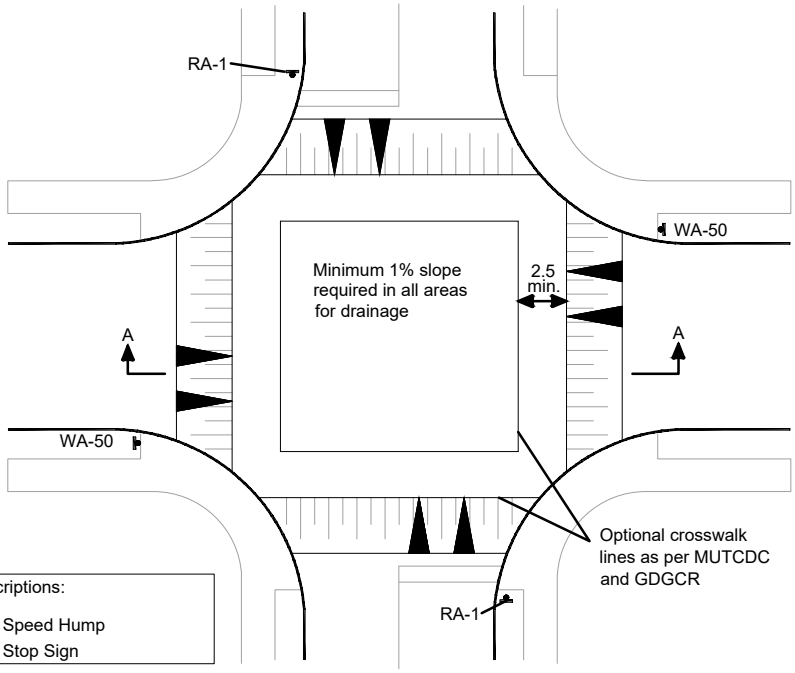
DRAWING NUMBER

DSD-R.23





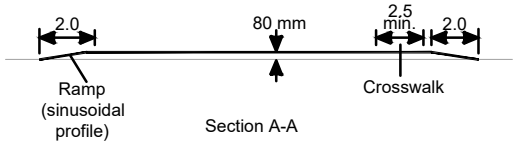
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAISED CROSSWALK AT INTERSECTION**
No.	Revision	Approved	
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-R.24



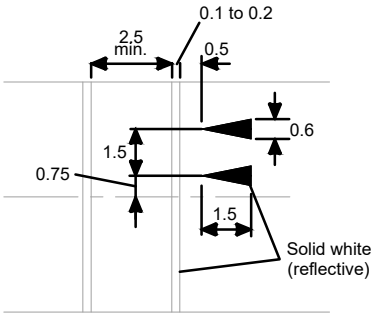
Sign Descriptions:

WA-50	Speed Hump
RA-1	Stop Sign

- If intersection is Stop sign controlled, WA-50 signs are not required on the Stop sign approaches.
- A 15 mm curb face should be retained at all crosswalk locations.



Section A-A

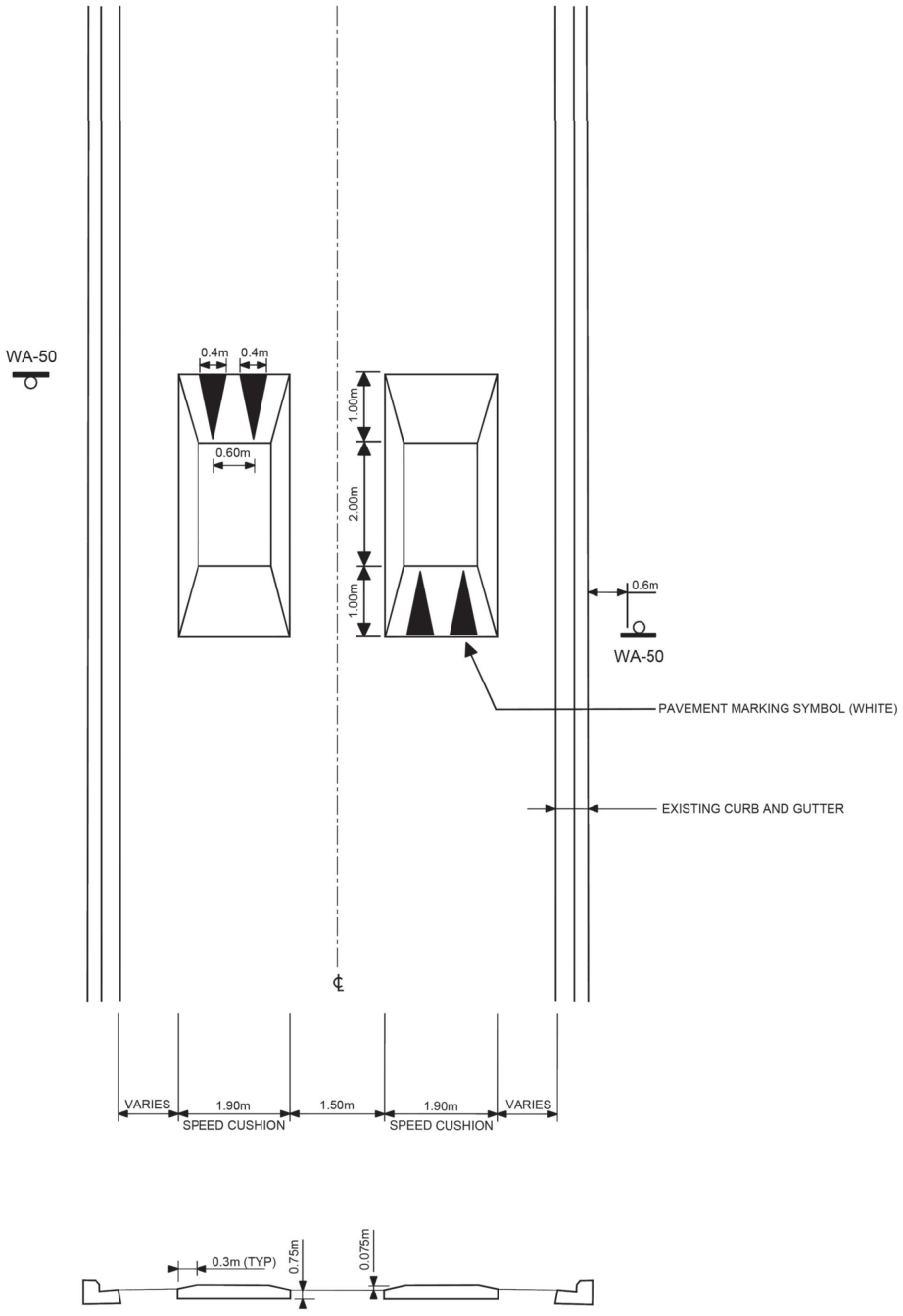


Pavement Markings

Ramp Height Development
Crosswalk profile parallel to roadway surface

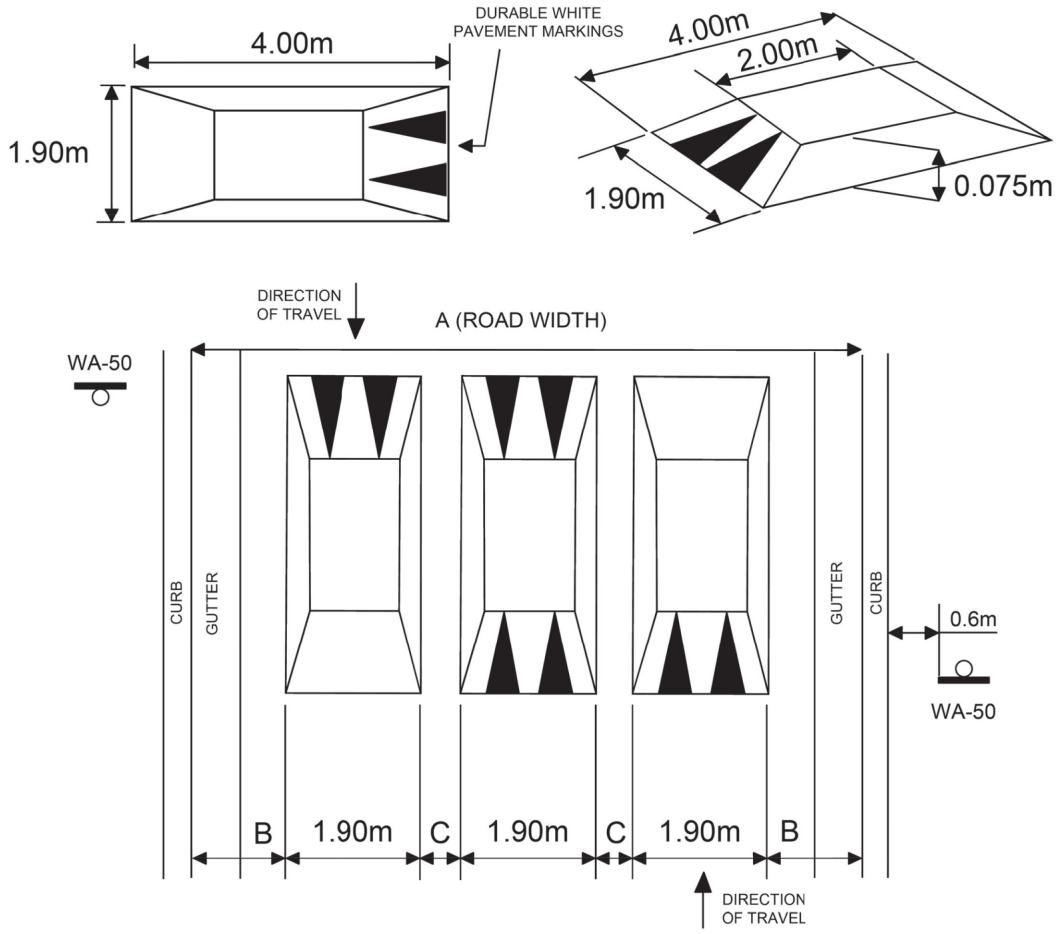
Distance (m)	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000
Finished Height (mm)	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **RAISED INTERSECTION**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.25
			Scale: N.T.S Date: FEBRUARY, 2026	



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SPEED CUSHION DRAWING 1**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.26
		Scale: N.T.S Date: FEBRUARY, 2026	

DIMENSIONS



CONFIGURATION

GENERAL LAYOUT			
ROAD WIDTH A	NO. OF CUSHIONS	DIMENSIONS B	C
8.0m	3	0.75m	0.40m
9.0m	3	1.10m	0.55m
10.0m	4	0.60m	0.40m
11.0m	4	1.00m	0.46m

1. ADDITIONAL CATCHBASINS MAY BE REQUIRED AT THE UPSTREAM END TO CAPTURE DRAINAGE ASSOCIATED WITH FREEZE-THAW CONDITIONS

2. SPEED CUSHIONS SHOULD BE LOCATED TO AVOID CONFLICTS WITH DRIVEWAYS.

No.	Revision	Approved

All Dimensions Shown In Metres, Unless Otherwise Noted

Title : **SPEED CUSHION DRAWING 2**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

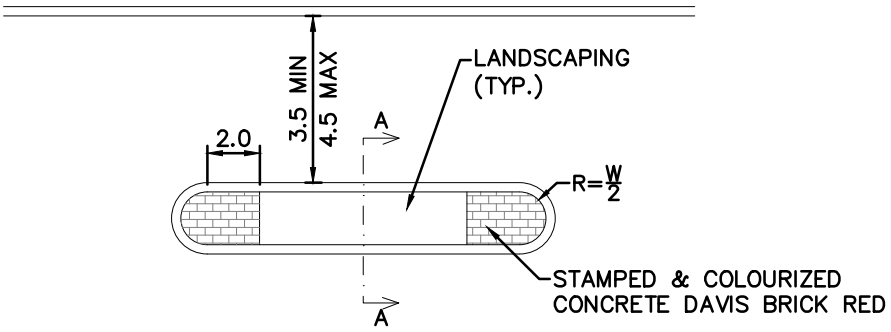
Approved By :

Scale: N.T.S

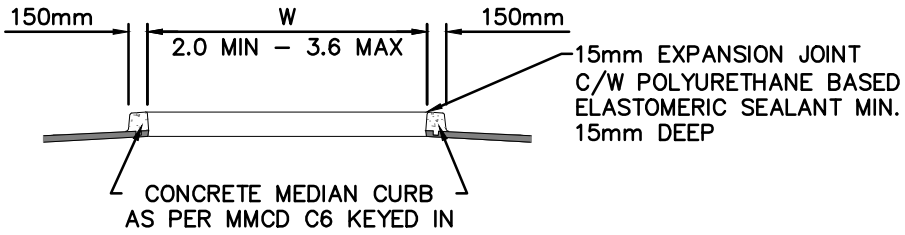
Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.26.1



MEDIAN ISLAND

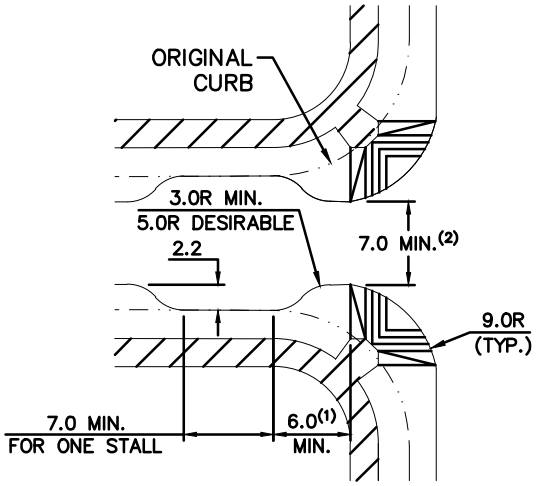


SECTION A–A

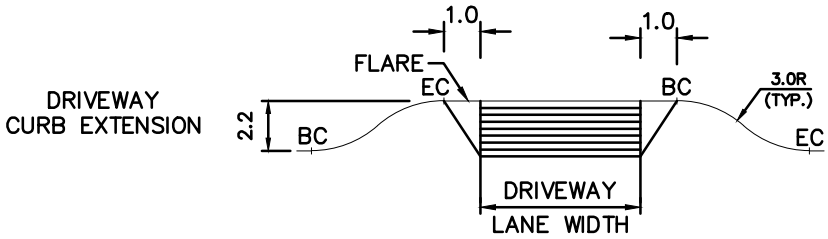
NOTES:

1. THE MAXIMUM LENGTH OF THE MEDIAN ISLAND IS AFFECTED BY ADJACENT DRIVEWAY AND INTERSECTION LOCATIONS.
2. ADDITIONAL STOPPING PROHIBITED SIGNS (RB–55) MAY BE REQUIRED.
3. SIGN POST TO BE 0.8m OFFSET FROM APPROACH FACING CURB.

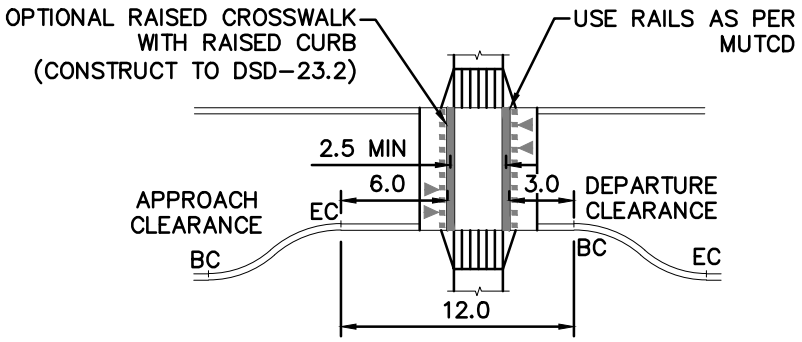
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **TRAFFIC CALMING, TYPICAL RAISED MEDIAN**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.27
		Scale: N.T.S Date: FEBRUARY, 2026	



INTERSECTION CURB EXTENSION DETAILS



DRIVEWAY/LANE DETAIL

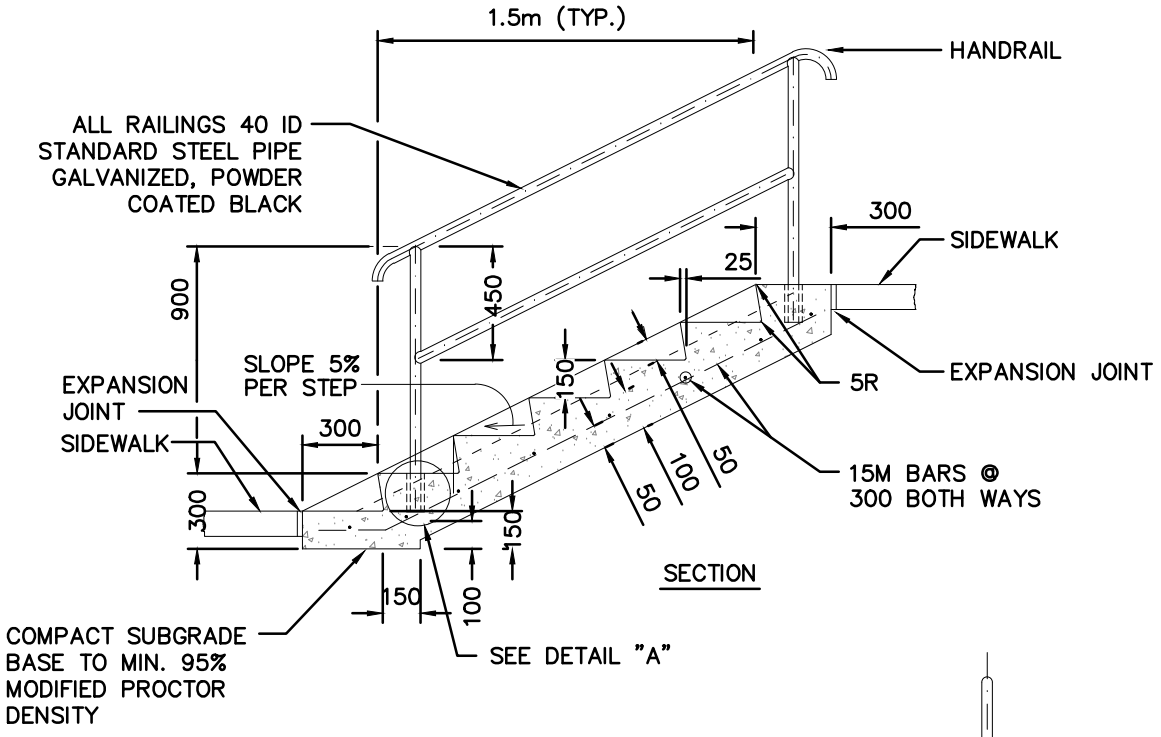


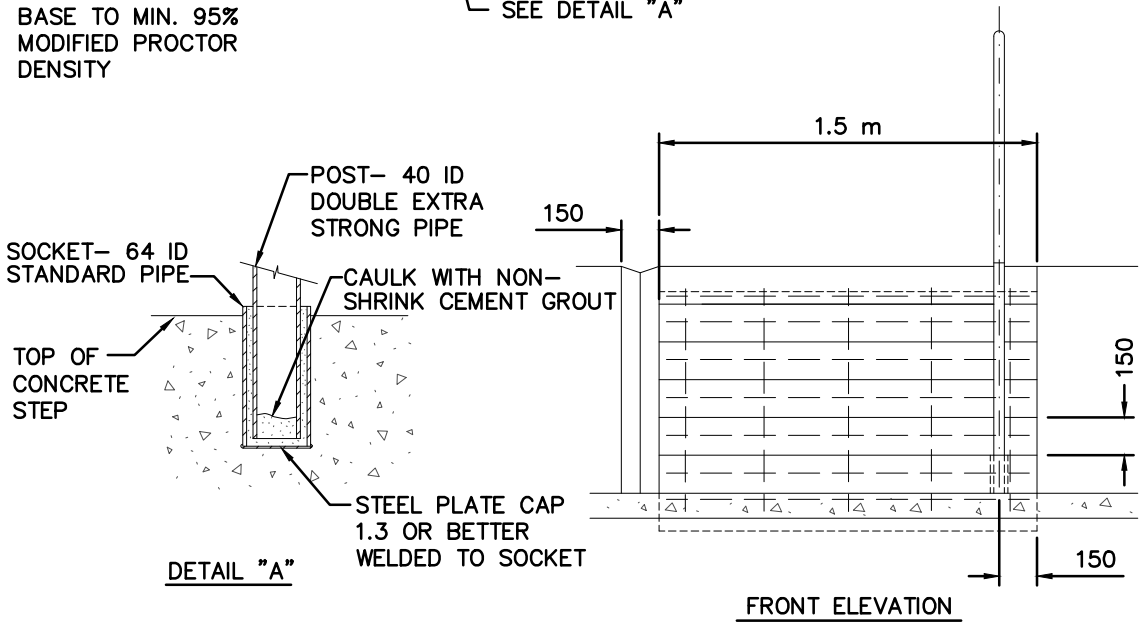
MIDBLOCK CROSSING DETAIL

NOTES:

1. VARY AS REQUIRED TO MEET STOPPING SIGHT DISTANCE.
2. WIDTH CAN INCREASE ACCORDING TO ROADWAY CLASSIFICATION.
3. HYDRANTS SHOULD GENERALLY BE LOCATED WITHIN CURB EXTENSIONS. CURB EXTENSIONS MAY REQUIRE LENGTHENING TO RESTRICT PARKING WITHIN 5m OF HYDRANT.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **TRAFFIC CALMING, CURB EXTENSIONS AND ON-STREET PARKING BAY**	
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.28
			Scale: N.T.S Date: FEBRUARY, 2026	

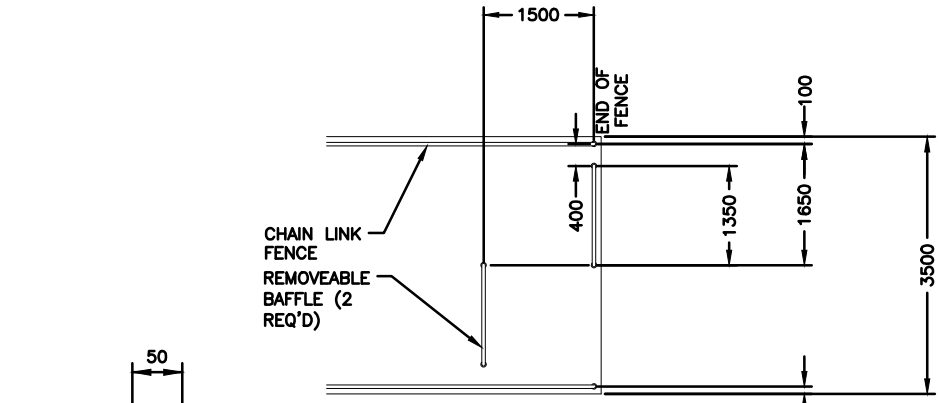




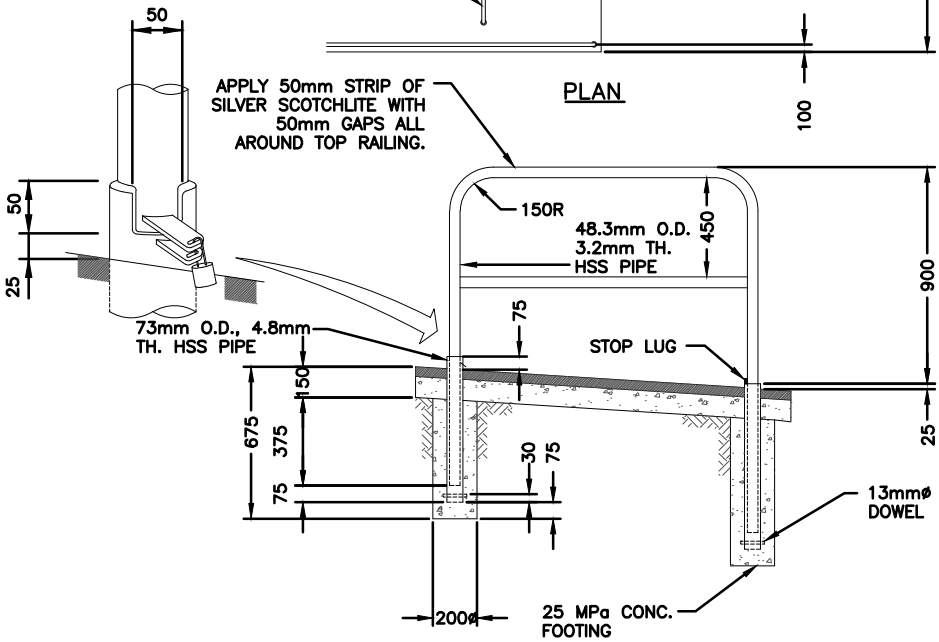
NOTE:

LARGER STAIRS TO BE DESIGNED BY AN ENGINEER.

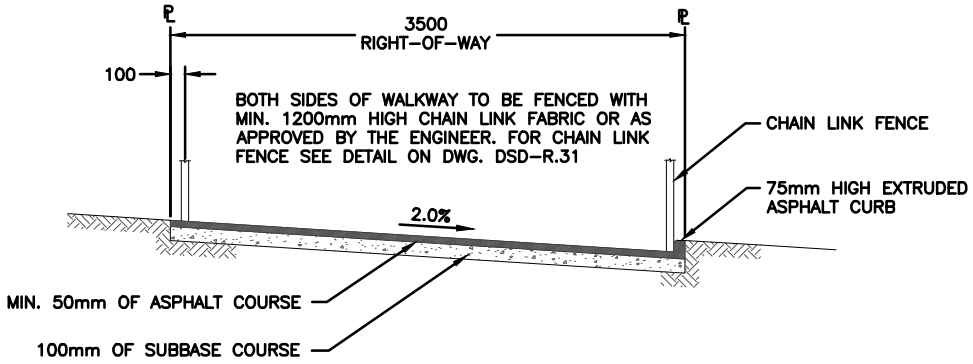
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **CONCRETE STEPS WITH BICYCLE RAMP**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.29
		Scale: N.T.S Date: FEBRUARY, 2026	



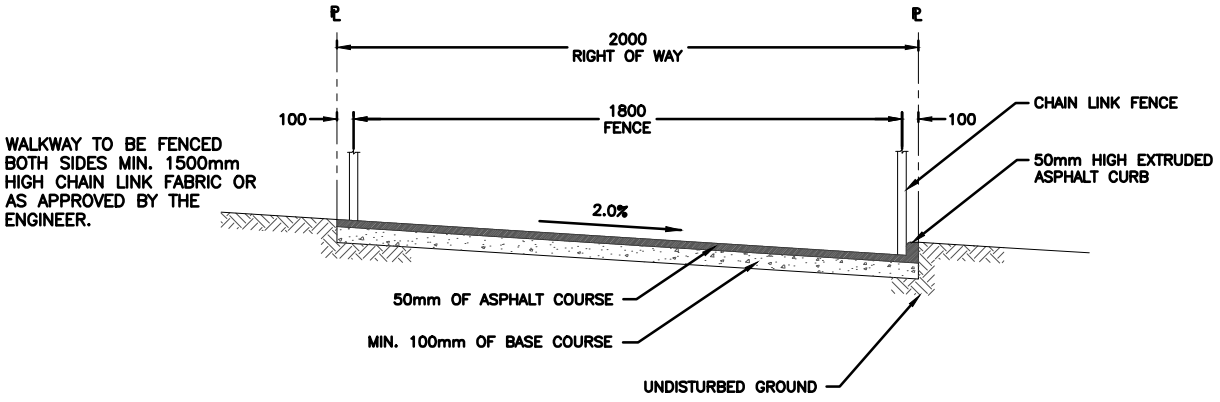
PLAN

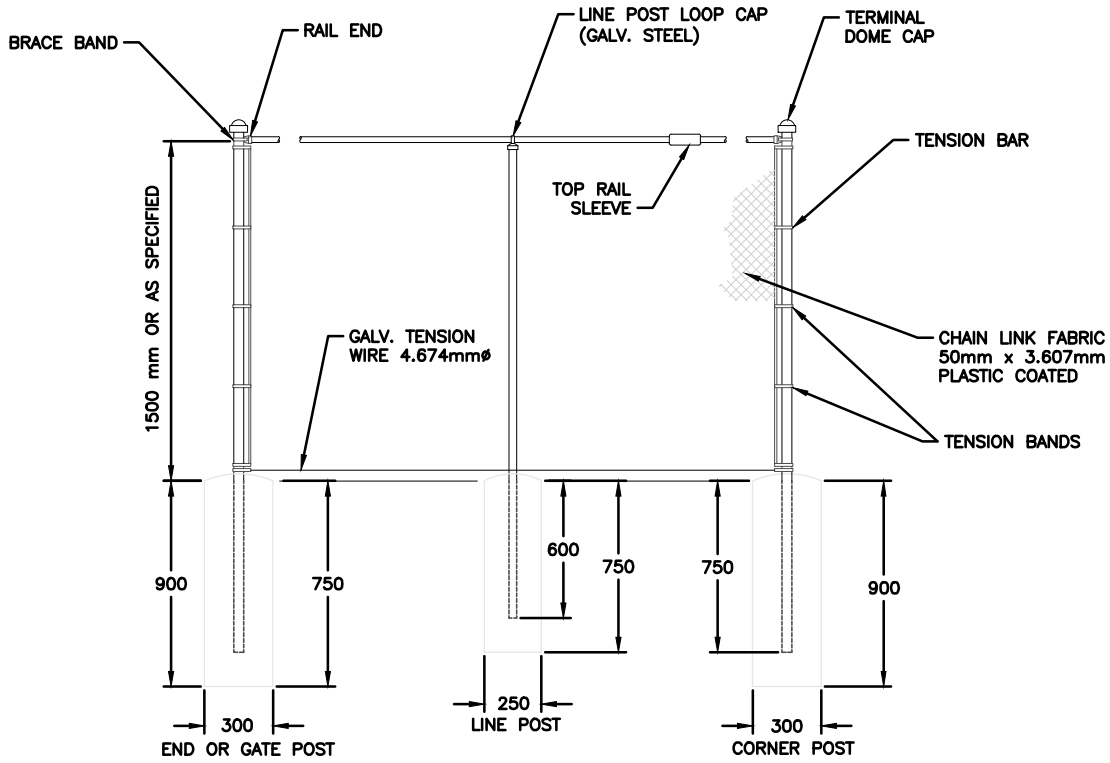


REMOVABLE BAFFLE DETAIL



			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **WALKWAY AND EMERGENCY ACCESS ROAD**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.30
			Scale: N.T.S Date: FEBRUARY, 2026	





USE	DIA. O.D (mm)	WALL TH.(mm)	MASS (Kg/m)	DESIGNATION
TOP RAIL	42.2	2.54	2.48	HSS *
LINE POSTS	48.3	3.17	3.53	HSS
END & GATE	73.0	4.78	8.04	HSS

* HOLLOW STRUCTURAL SECTION CONFORMING TO CSA G40.21M, CLASS H.

PIPE SCHEDULE

NOTES:

1) LINE POSTS MAX. 3.00m SPACING.
2) TENSION BANDS MAX. 375mm SPACING.
3) FABRIC TIES TO TOP RAIL MAX. 450mm SPACING.
4) FABRIC TIES TO LINE POSTS MAX. 300mm SPACING.
5) PIPE MATERIAL & HARDWARE SHALL BE GALVANIZED STEEL.

No.	Revision	Approved

All Dimensions Shown In Millimetres,
Unless Otherwise Noted

Title : **MINOR WALKWAY & CHAIN LINK FENCE**

Delta

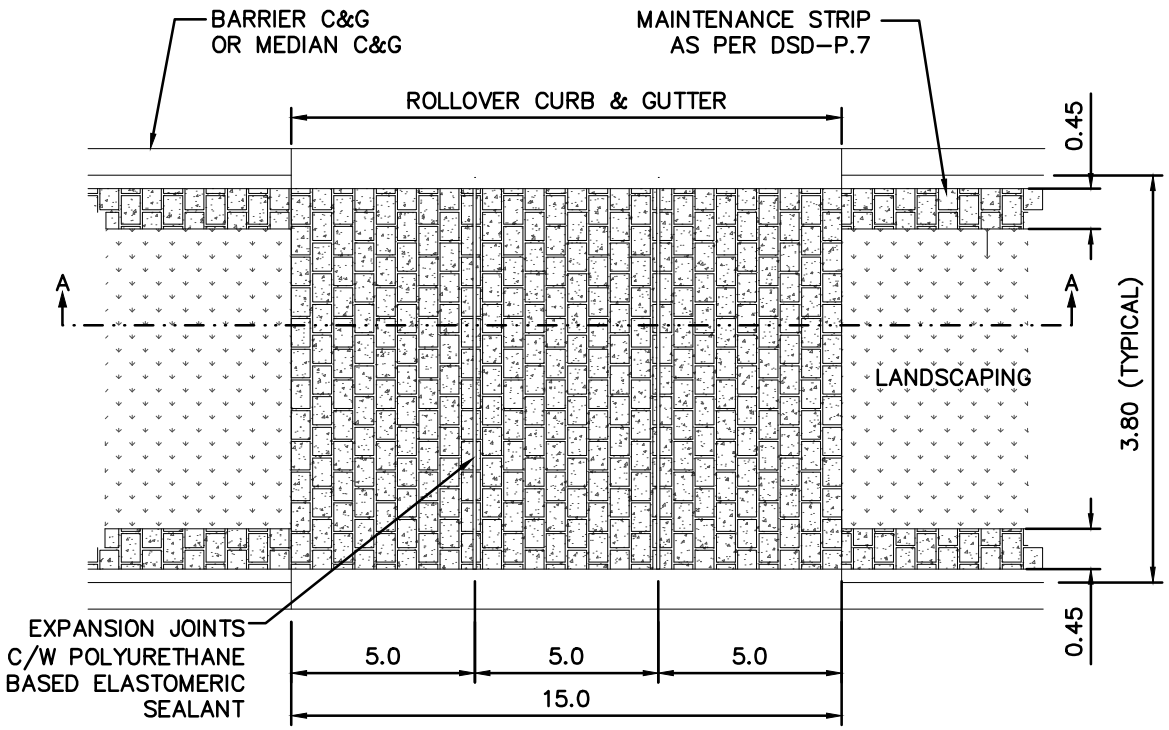
SUPPLEMENTARY
STANDARD
DRAWINGS

Approved By :

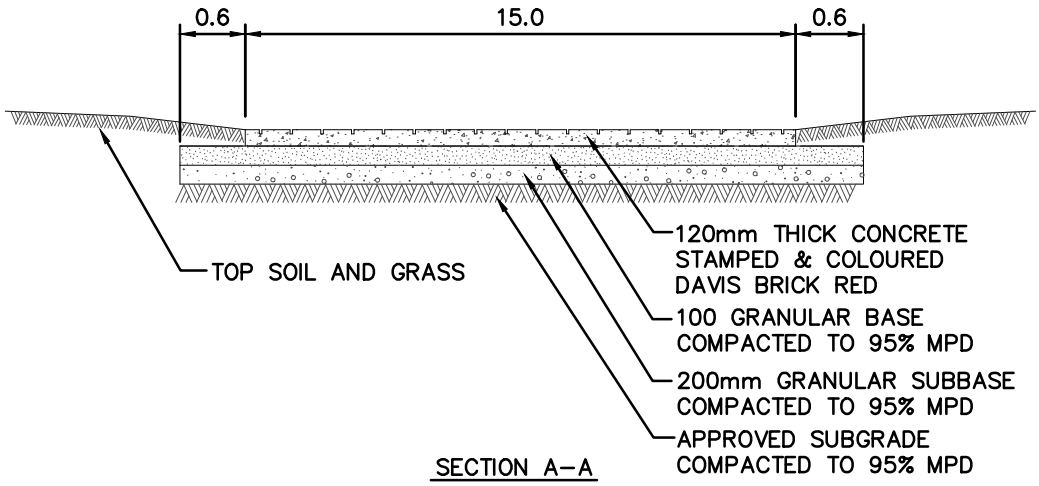
Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.31

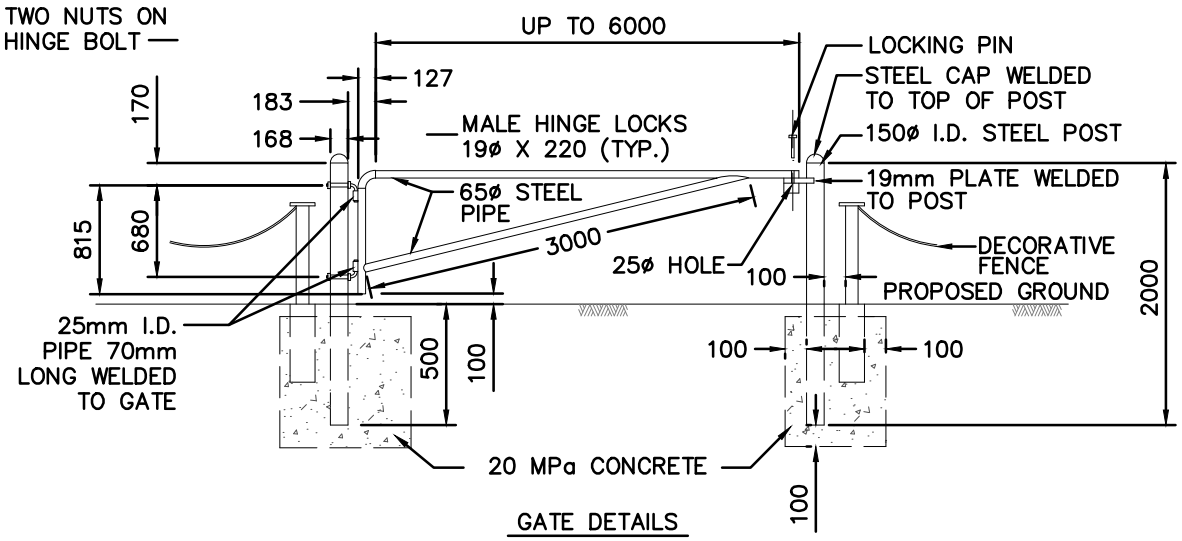


PLAN VIEW

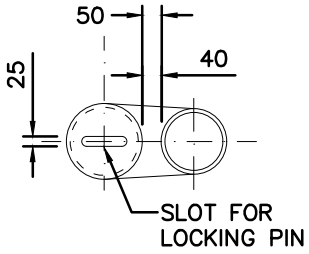


SECTION A–A

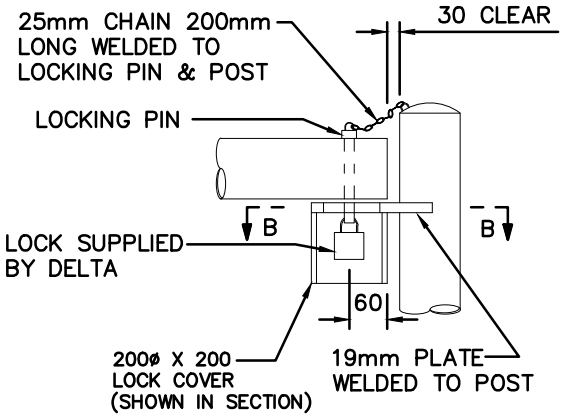
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **RAISED MEDIAN, MAINTENANCE PAD**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.32
		Scale: N.T.S Date: FEBRUARY, 2026	

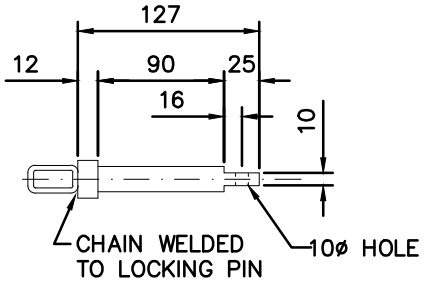


GATE DETAILS

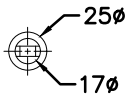


SECTION B–B





SIDE VIEW



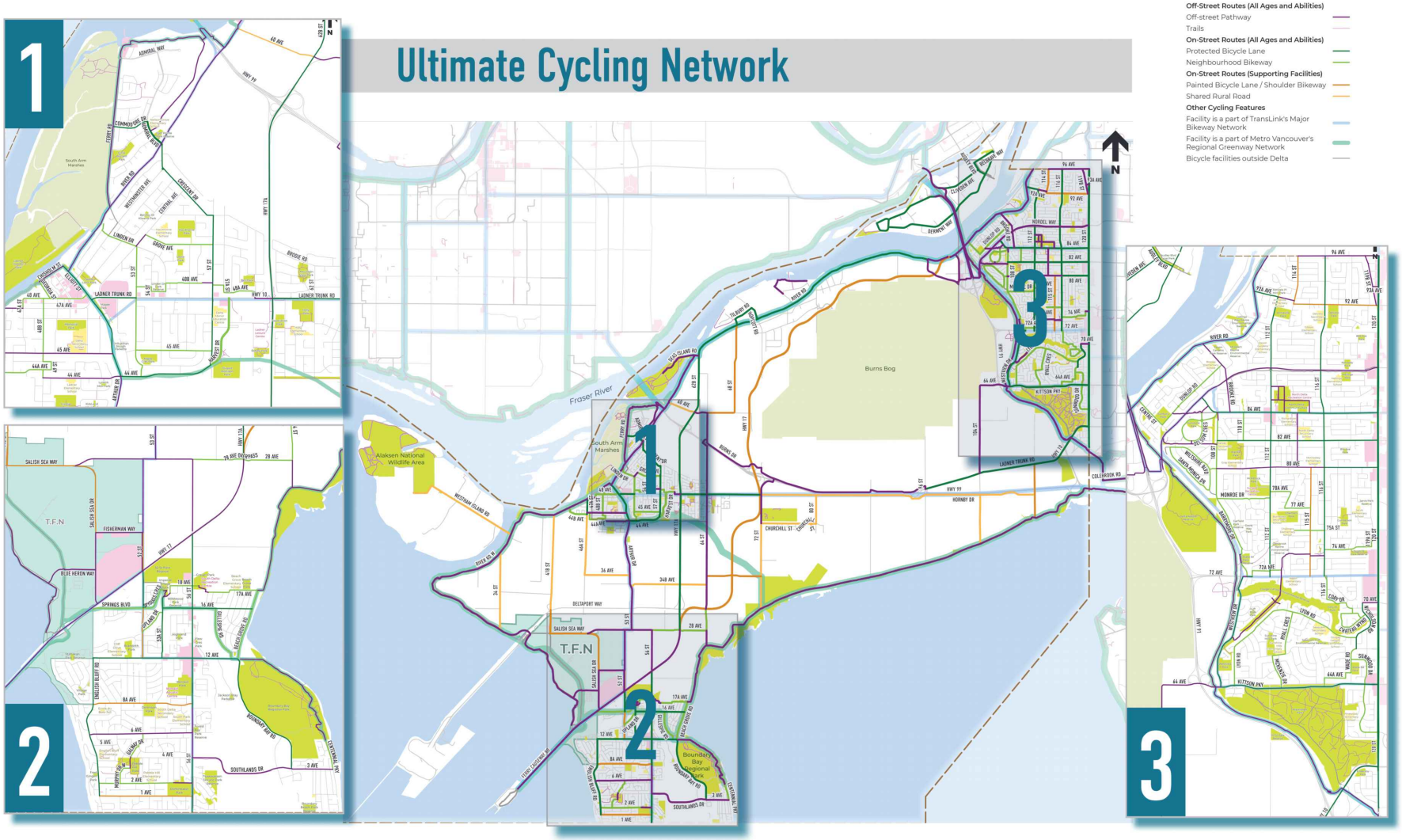
END VIEW

GATE LOCKING PIN DETAIL

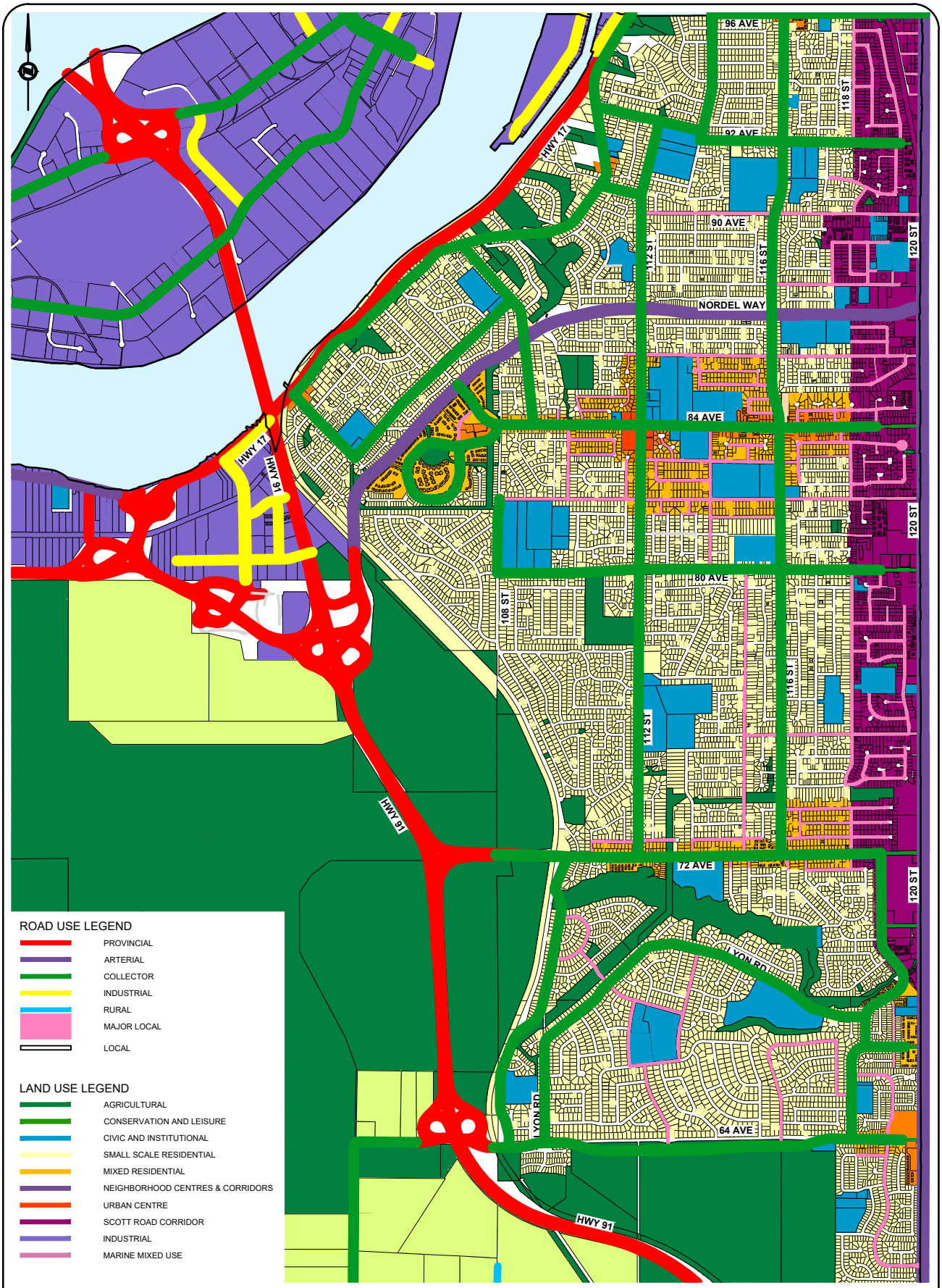
NOTES:

1. ALL GATE COMPONENTS TO HAVE PRIME COAT AND TWO COATS OF WHITE ENAMEL PAINT.
2. ALL STEEL TO BE A MINIMUM OF A36 GRADE.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **SWING GATE DETAIL**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-R.33
			Scale: N.T.S Date: FEBRUARY, 2026	



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **ULTIMATE CYCLING NETWORK MAP**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-R.34
		Scale: N.T.S Date: FEBRUARY, 2026	



No.	Revision	Approved

Title : **MAJOR LOCAL ROAD MAP - NORTH DELTA**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

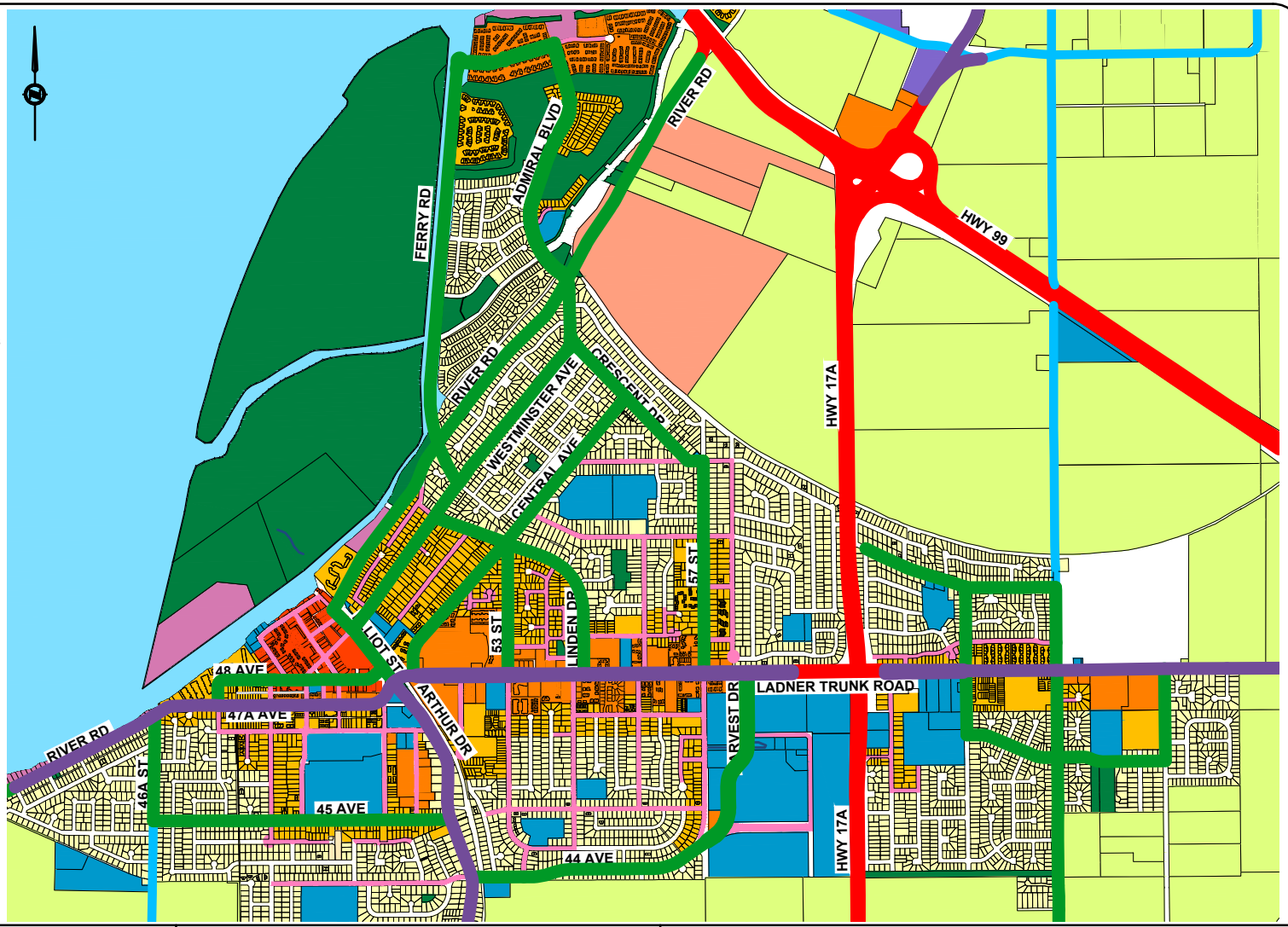
DSD-R.35

ROAD USE LEGEND

- PROVINCIAL
- ARTERIAL
- COLLECTOR
- INDUSTRIAL
- RURAL
- MAJOR LOCAL
- LOCAL

LAND USE LEGEND

- AGRICULTURAL
- CONSERVATION AND LEISURE
- CIVIC AND INSTITUTIONAL
- SMALL SCALE RESIDENTIAL
- MIXED RESIDENTIAL
- NEIGHBORHOOD CENTRES & CORRIDORS
- URBAN CENTRE
- SCOTT ROAD CORRIDOR
- INDUSTRIAL
- MARINE MIXED USE



No.	Revision	Approved

Title : **MAJOR LOCAL ROAD MAP - LADNER VILLAGE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

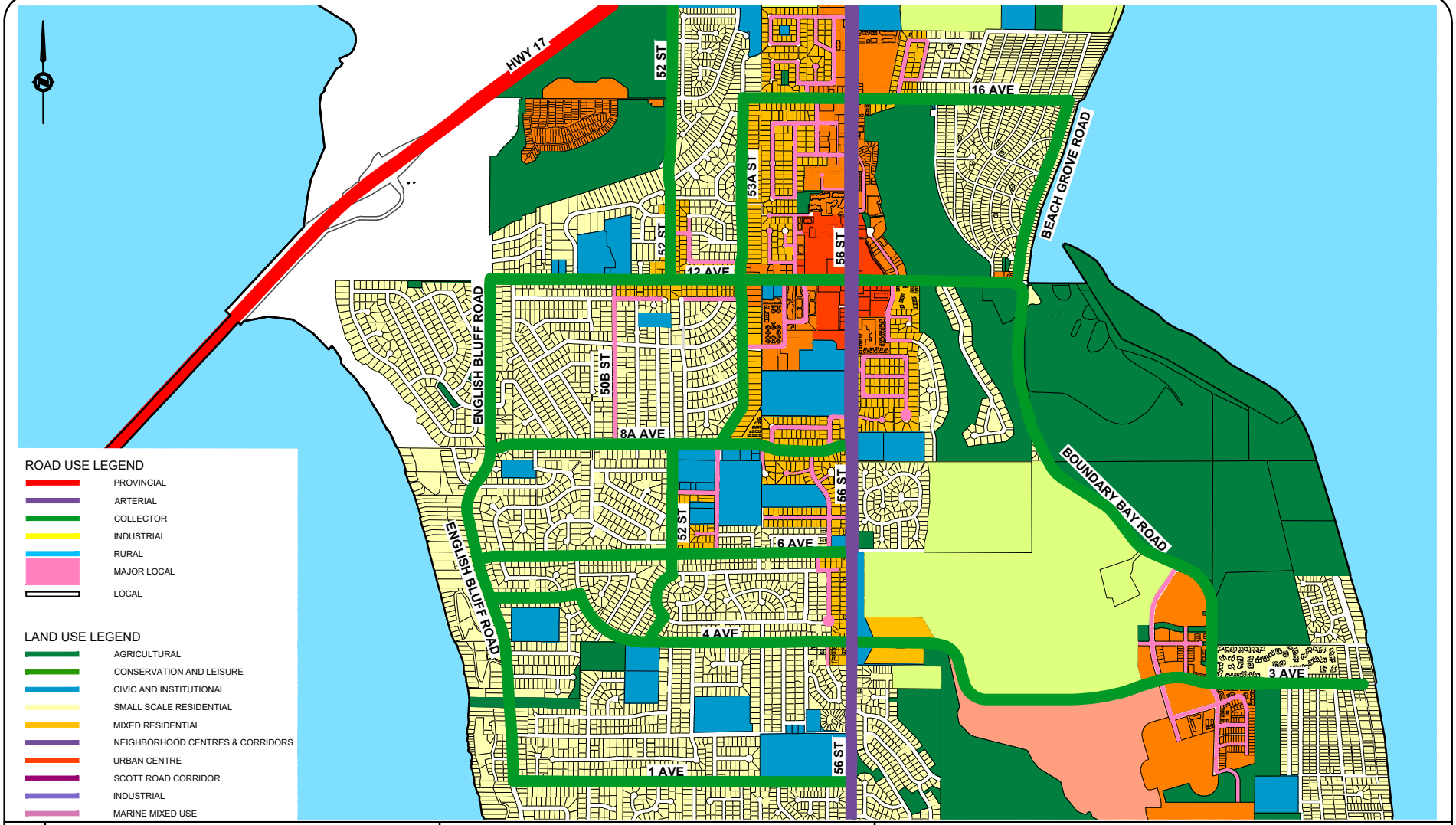
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.36



No.	Revision	Approved

Title : **MAJOR LOCAL ROAD MAP - TSAWWASSEN**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

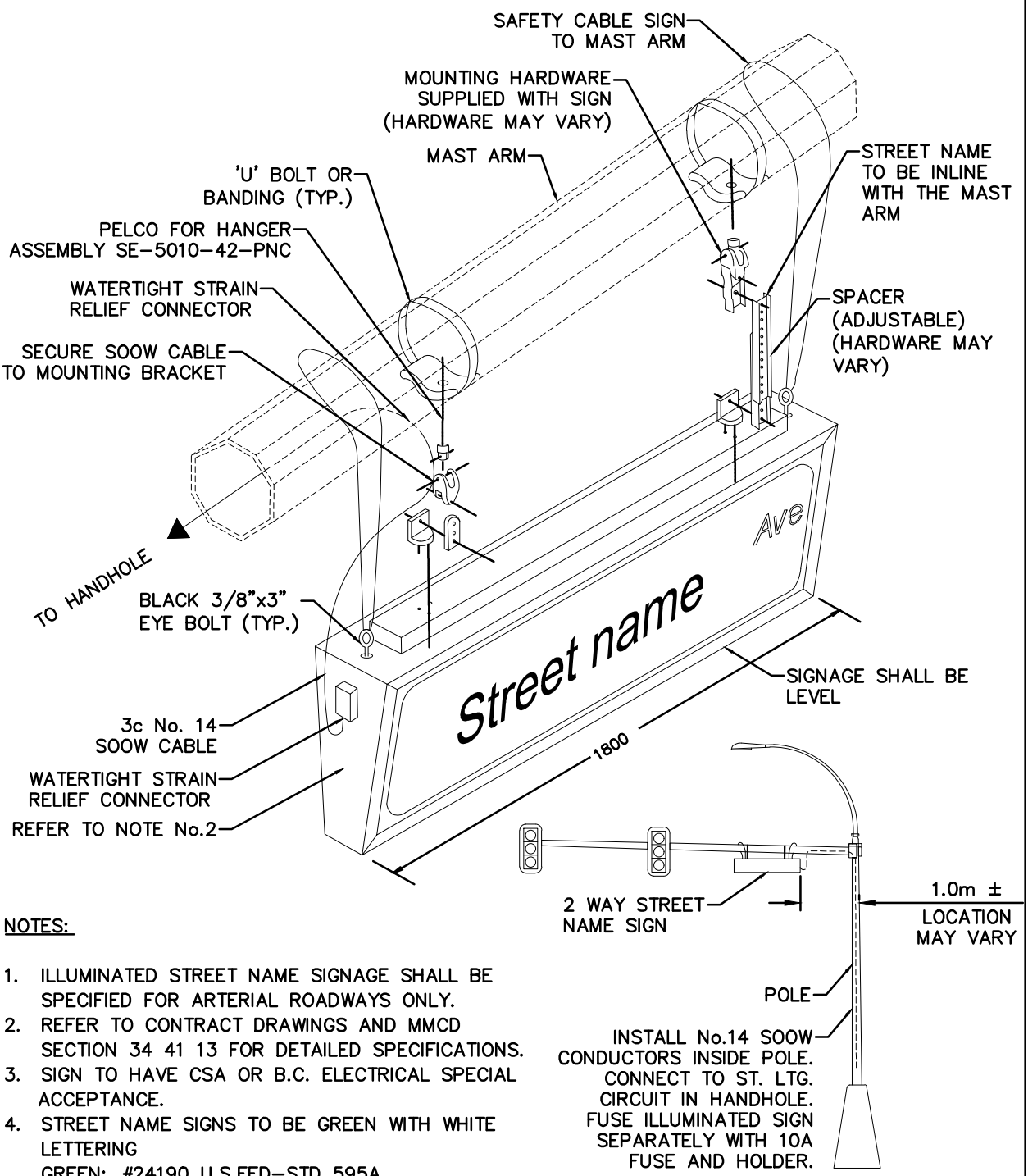
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-R.37



NOTES:

1. ILLUMINATED STREET NAME SIGNAGE SHALL BE SPECIFIED FOR ARTERIAL ROADWAYS ONLY.
2. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
3. SIGN TO HAVE CSA OR B.C. ELECTRICAL SPECIAL ACCEPTANCE.
4. STREET NAME SIGNS TO BE GREEN WITH WHITE LETTERING
   GREEN: #24190 U.S.FED-STD 595A
   WHITE: #37875 U.S.AMS-STD 595A.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **STREET NAME SIGN MOUNTING DETAILS**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

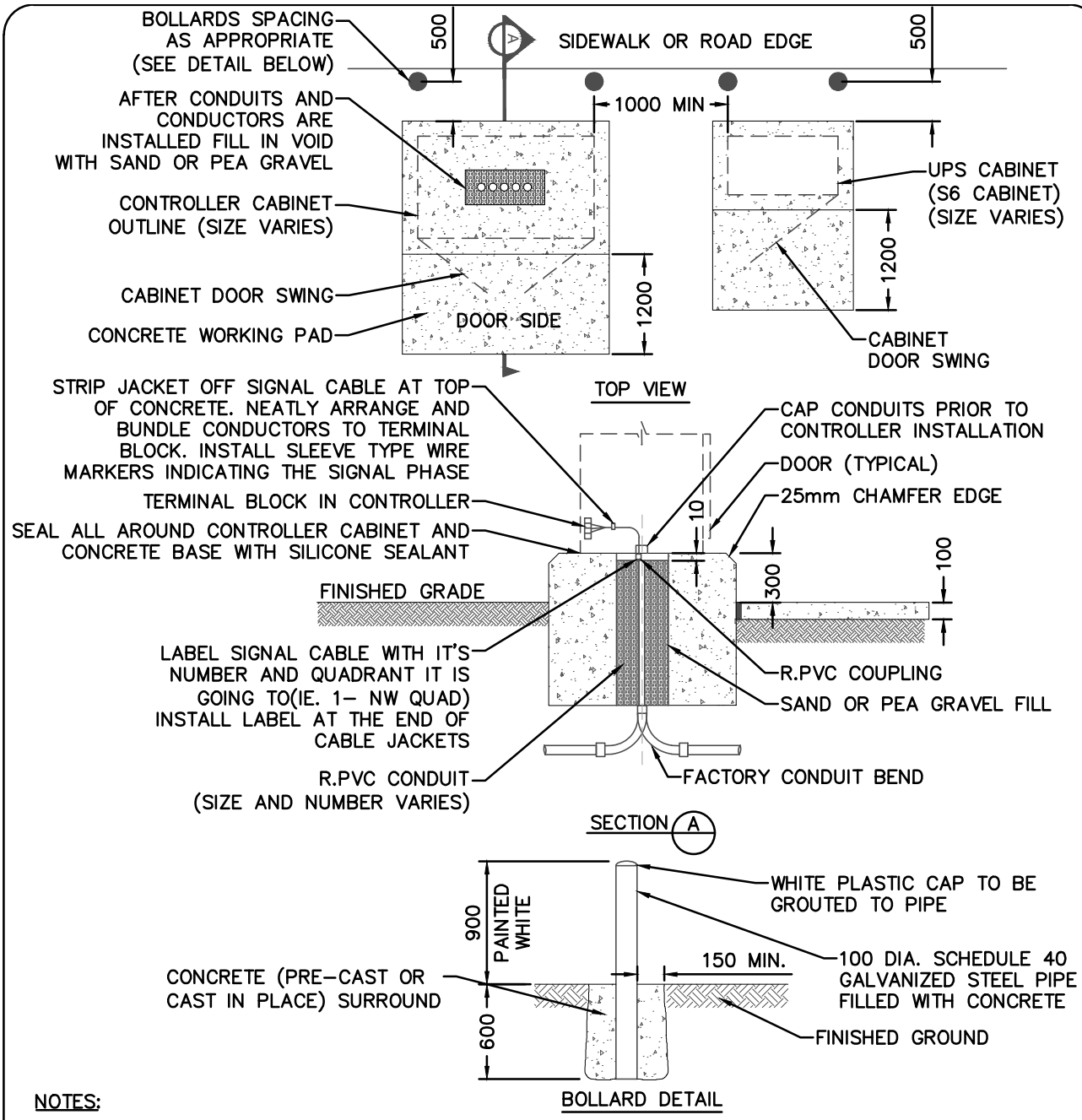
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.1

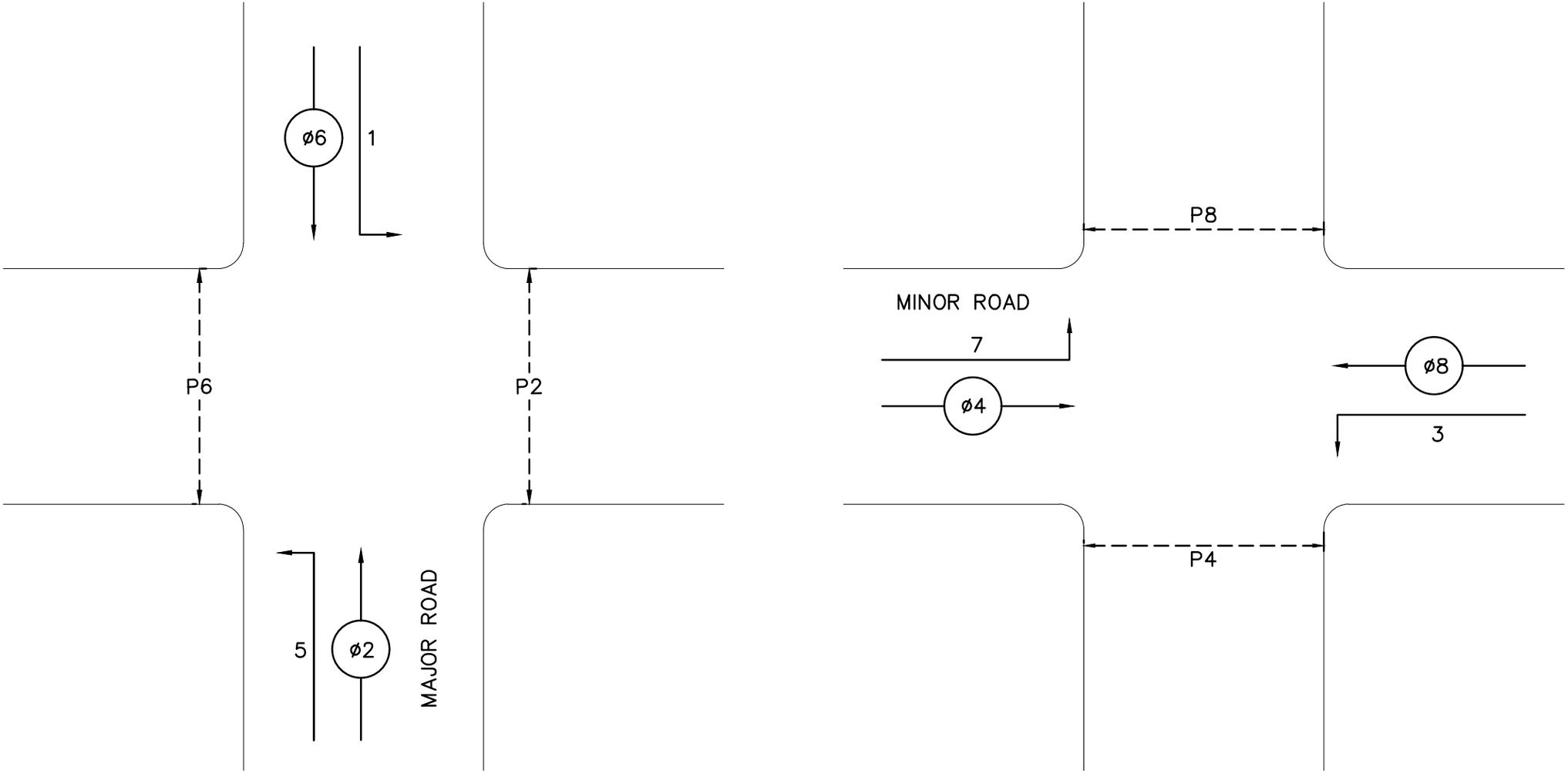


BOLLARD DETAIL

NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
2. MAINTAIN SHIELDING ON LOOP CABLES TO TERMINALS. CONNECT DRAIN WIRE AT TERMINALS.
3. ENSURE CONTROLLER IS ORIENTED SUCH THAT THE OPERATOR IS FACING THE SIGNAL WHEN THE CABINET DOORS ARE OPEN.
4. CONCRETE CONTROLLER BASE TO BE TYPE P (NEMA CABINET), AS PER MMCD E1.2.
5. CONTROLLER CABINET TO BE P44 DOUBLE DOOR (P44/GY).
6. REFER TO MMCD E1.2 FOR CONCRETE BASE DIMENSIONS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **CONTROLLER AND UPS INSTALLATION**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.2
		Scale: N.T.S Date: FEBRUARY, 2026	

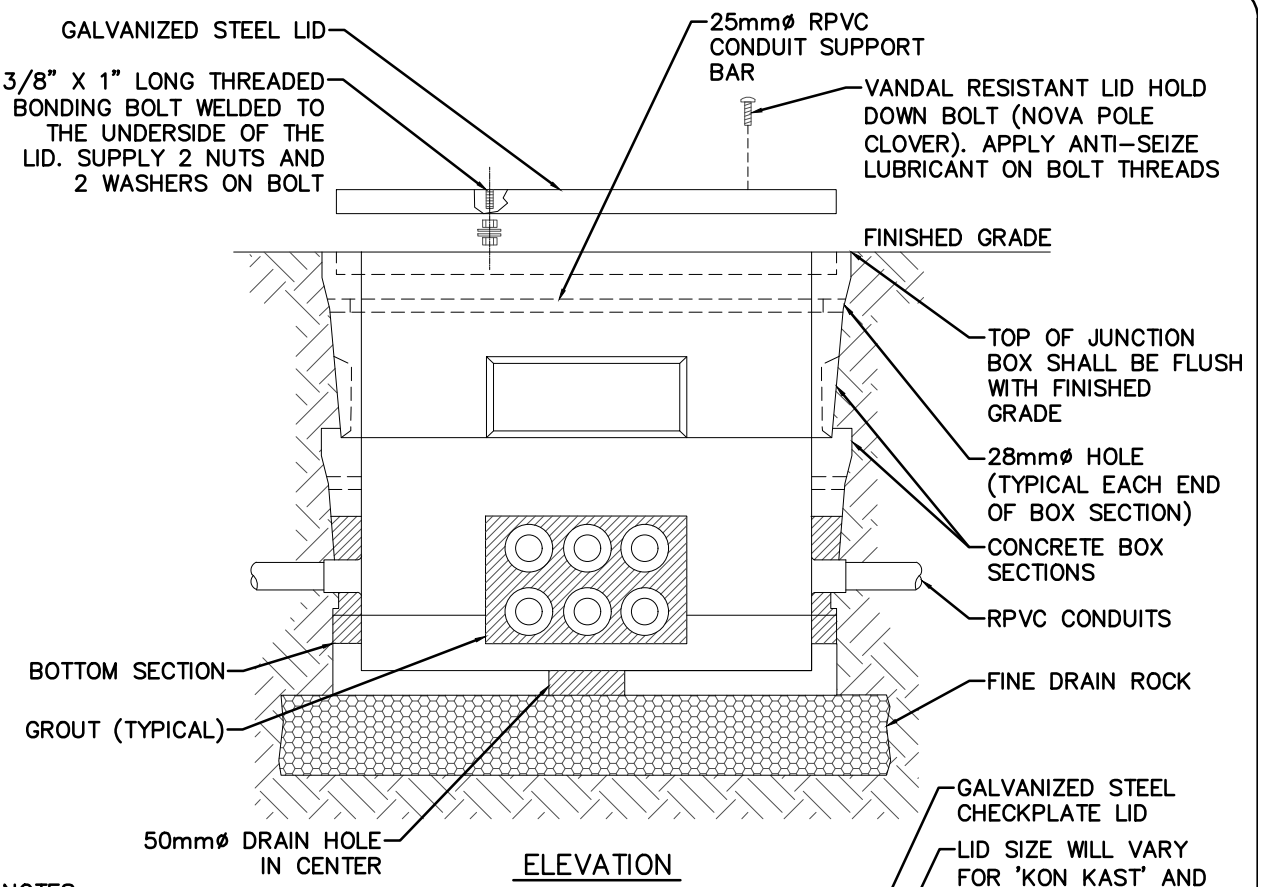


			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SIGNAL PHASING DIAGRAM**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.3
		Scale: N.T.S Date: FEBRUARY, 2026	

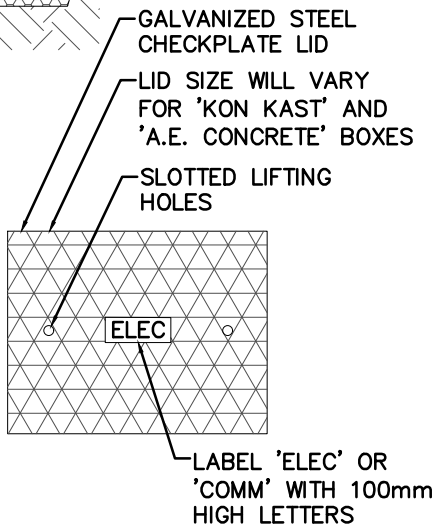
STREET LIGHT INSTALLATIONS

Delta File # / Dev. Tech.	
Location	
Drawing # / Date	
Type of Light	Overhead / Ornamental / Traffic Signal / Special
Comments	
Request	Addition / Modification / Removal
Reason *(Optional)*	
Luminaire Distribution Type	
Wattage	
Shield *(House side, front side, no shield)*	
Request Details *(# of lights, wattages, date of connection, etc.)*	
Contact Information	Name: Phone #: Email:
Electrician Information	Name: Company: Email: Phone #: Permit #:

			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **SLIM FOLIO**	
No.	Revision	Approved		
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.4
			Scale: N.T.S Date: FEBRUARY, 2026	



ELEVATION



STEEL LID

NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
2. JUNCTION BOX SHALL BE 'A.E. CONCRETE PRODUCTS LTD' No. MOTH 5686 or 'KON KAST PRODUCTS LTD' No. 1151 OR APPROVED ALTERNATIVE.
3. JUNCTION BOX SHALL BE DESIGNED FOR 500Kg STATIC LOADING.
4. VAULT SHALL BE PRE-CAST CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 35 MPa AT 28 DAYS.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
6. BOND STEEL LIDS USING A ROUND-HEAD BOLT THROUGH THE LID. HEX-HEAD BOLTS AND BONDING TO THE METAL TAB IS NOT ACCEPTABLE.
7. SPLICES IN JUNCTION BOXES No.6 AND ABOVE SHALL USE SPLIT BOLT STYLE CONNECTORS THEN COMPLETELY COVER SPLICE WITH TAPE AND DUCT SEAL TO FORM A BALL OVER CONNECTION. SPLICES SHALL BE SECURED TO SUPPORT BAR AND POINT UP TO MINIMIZE MOISTURE ACCUMULATION.
8. DUCT SEAL ALL EMPTY AND OCCUPIED CONDUITS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title :

LARGE CONCRETE JUNCTION BOXES

Delta

SUPPLEMENTARY STANDARD DRAWINGS

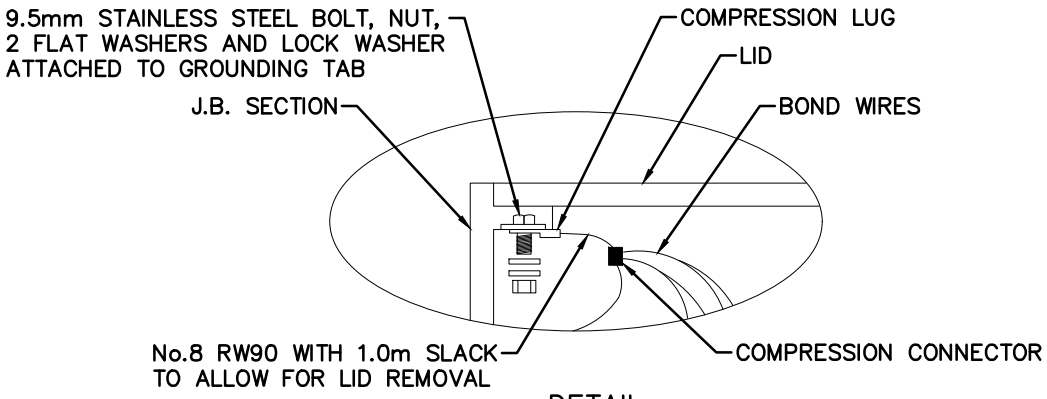
Approved By :

Scale: N.T.S

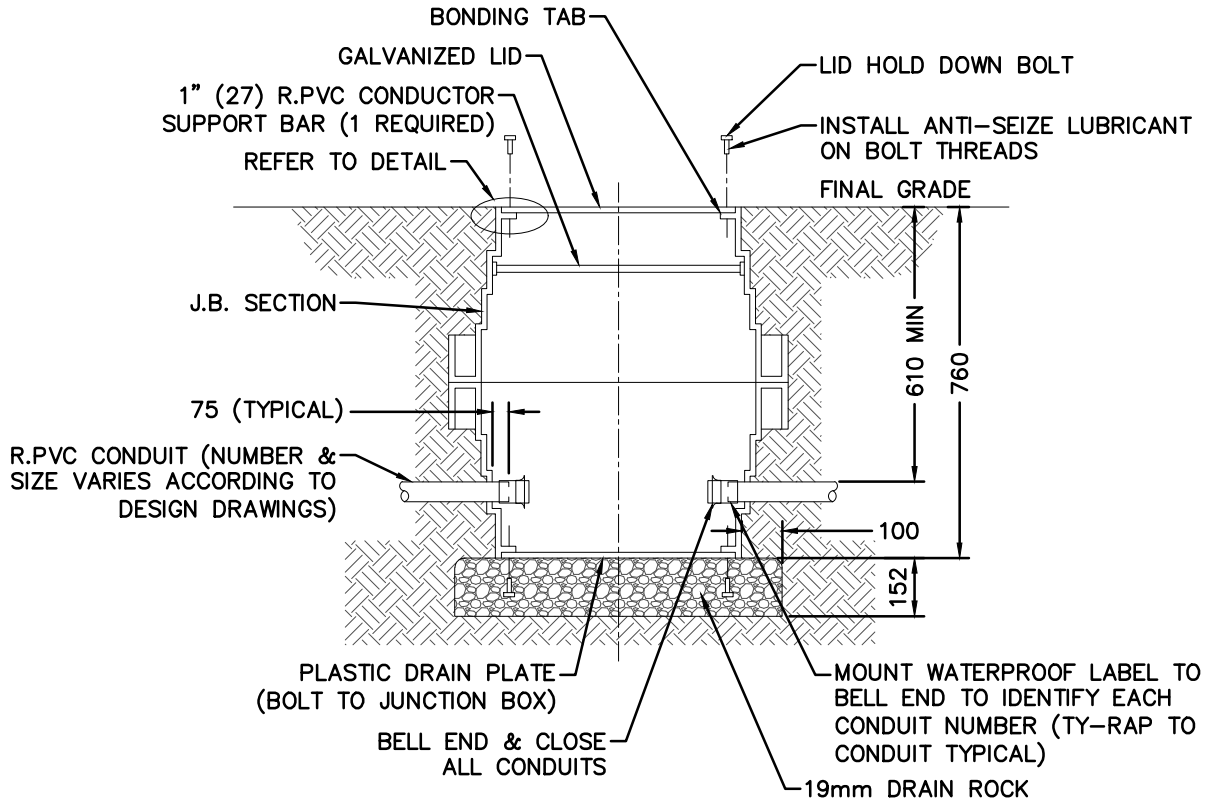
Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.5



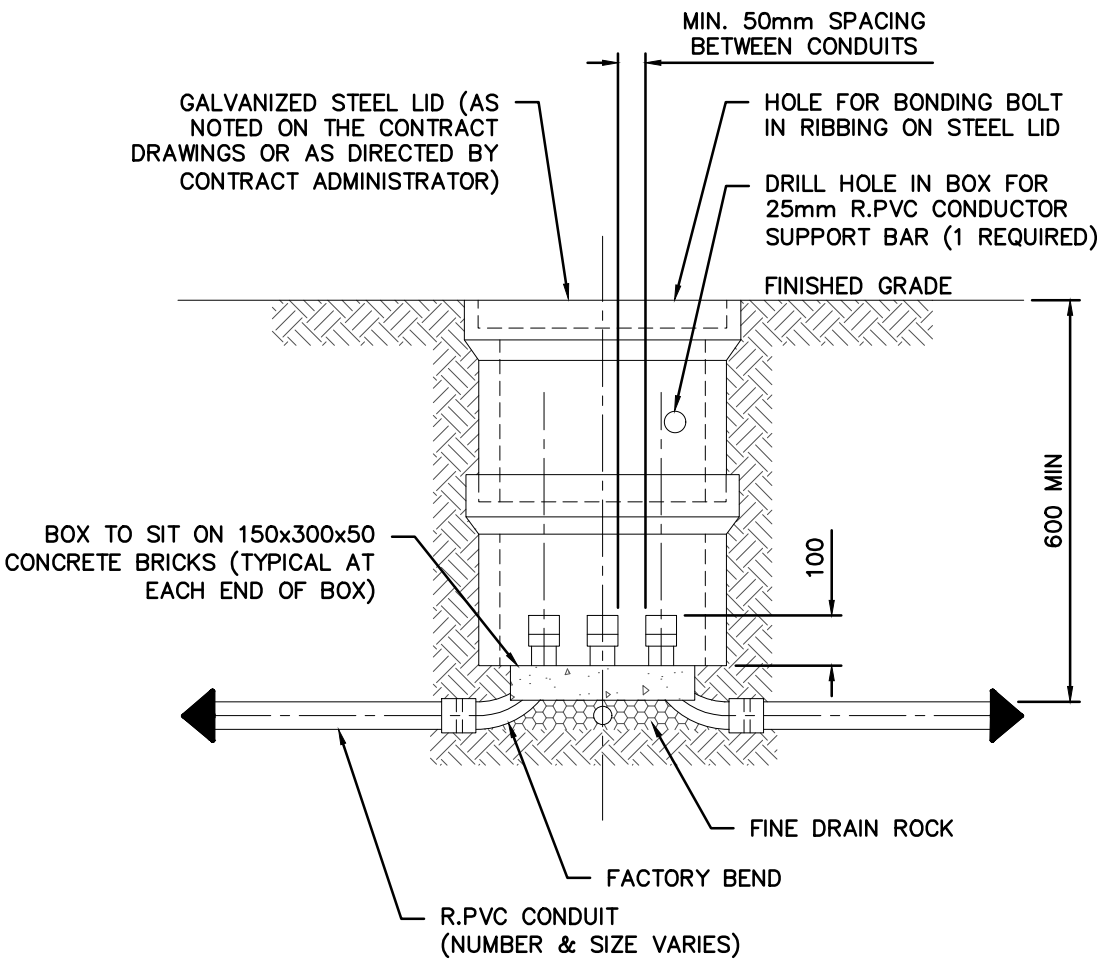
DETAIL



NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
2. INSTALL LID ON PLASTIC JUNCTION BOX BEFORE BACKFILLING, TAMPING & PAVING OPERATIONS.
3. INSTALL TOP OF PLASTIC JUNCTION BOX FLUSH WITH FINISHED GRADE.
4. BOND STEEL LIDS USING A ROUND-HEAD BOLT THROUGH THE LID. HEX-HEAD BOLTS AND BONDING TO THE METAL TAB IS NOT ACCEPTABLE.

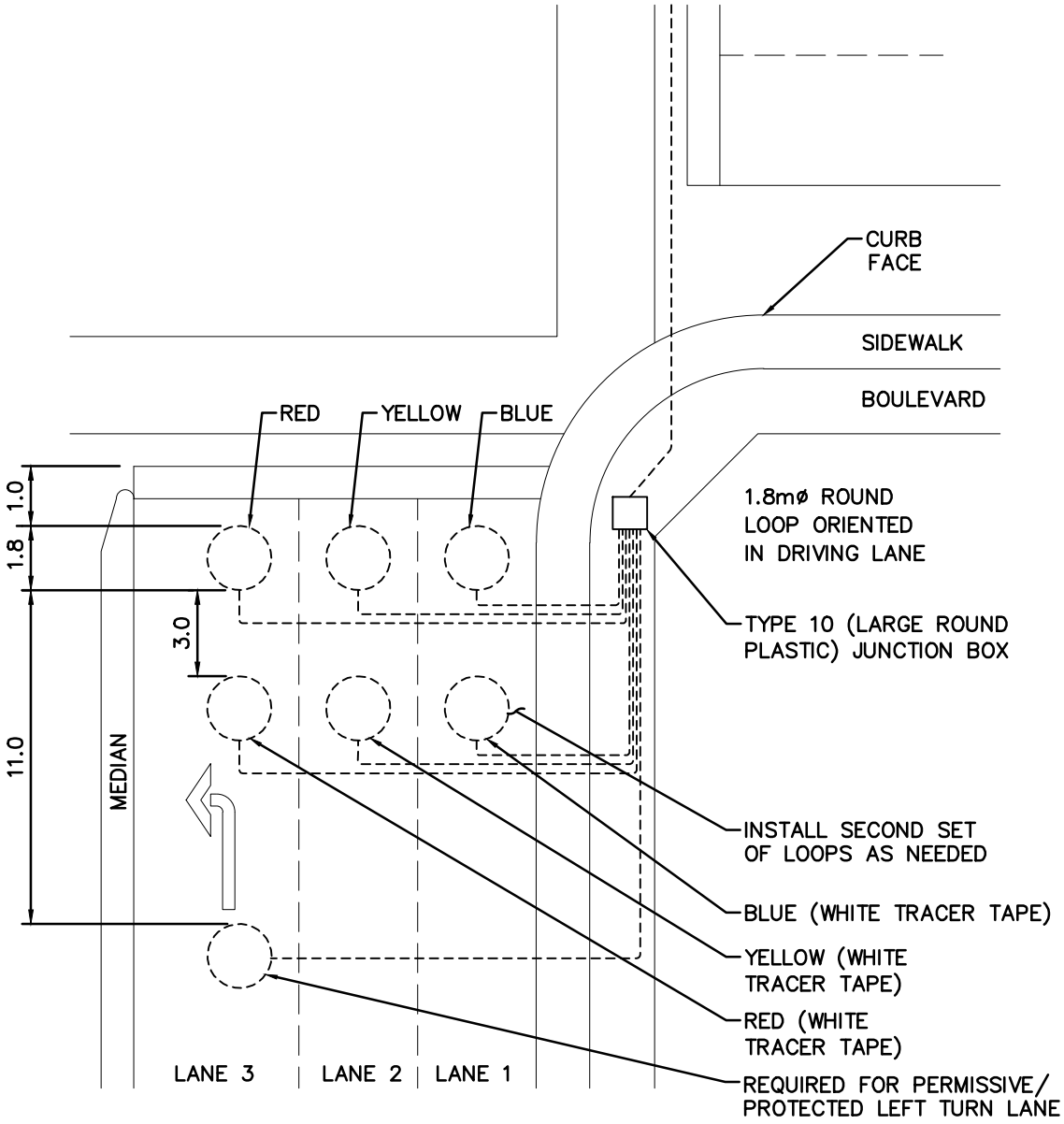
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **LARGE ROUND PLASTIC JUNCTION BOXES**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.6
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
2. INSTALL LID ON CONCRETE JUNCTION BOX BEFORE BACKFILLING, TAMPING & PAVING OPERATIONS.
3. INSTALL TOP OF JUNCTION BOX FLUSH WITH FINISHED GRADE.
4. CONDUITS CAN ENTER JUNCTION BOX THROUGH SIDE (SEE MMCD DRAWING E2.6).

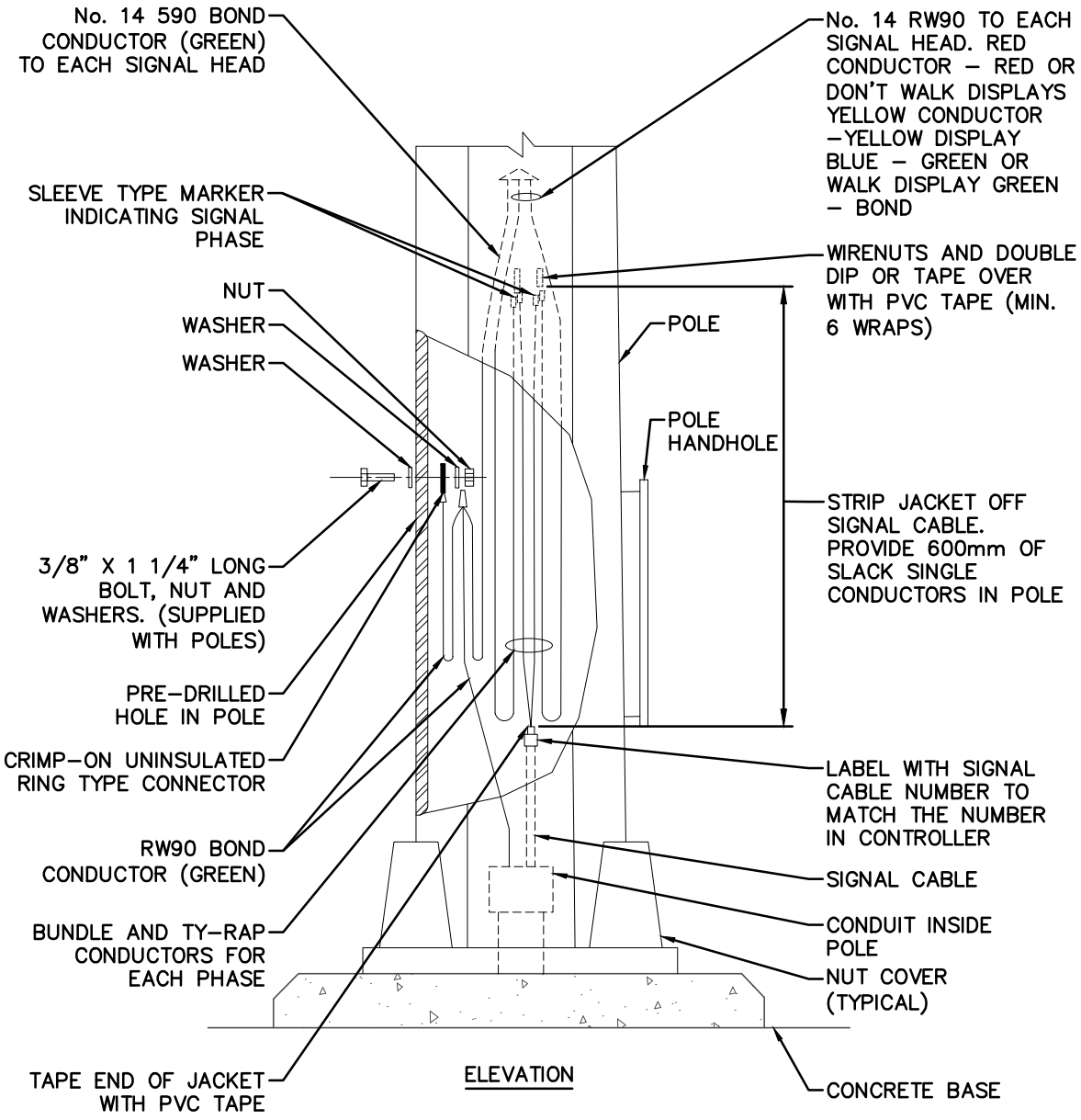
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **TYPE 66 CONCRETE JUNCTION BOX**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.7
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES

1. LOOPS SHALL BE LOCATED IN THE CENTER OF EACH LANE UNLESS OTHERWISE NOTED ON CONTRACT DRAWINGS.
2. COLOUR CODE IS BASED ON USING RIGHT HAND CURB OF ROAD AS POINT OF REFERENCE AND WORKING LOOP CONDUCTOR LEFT TOWARDS CENTRE OF ROADWAY. WHEN 4th AND 5th LANE EXIST, USE BROWN AND ORANGE COLOUR CONDUCTOR RESPECTIVELY.

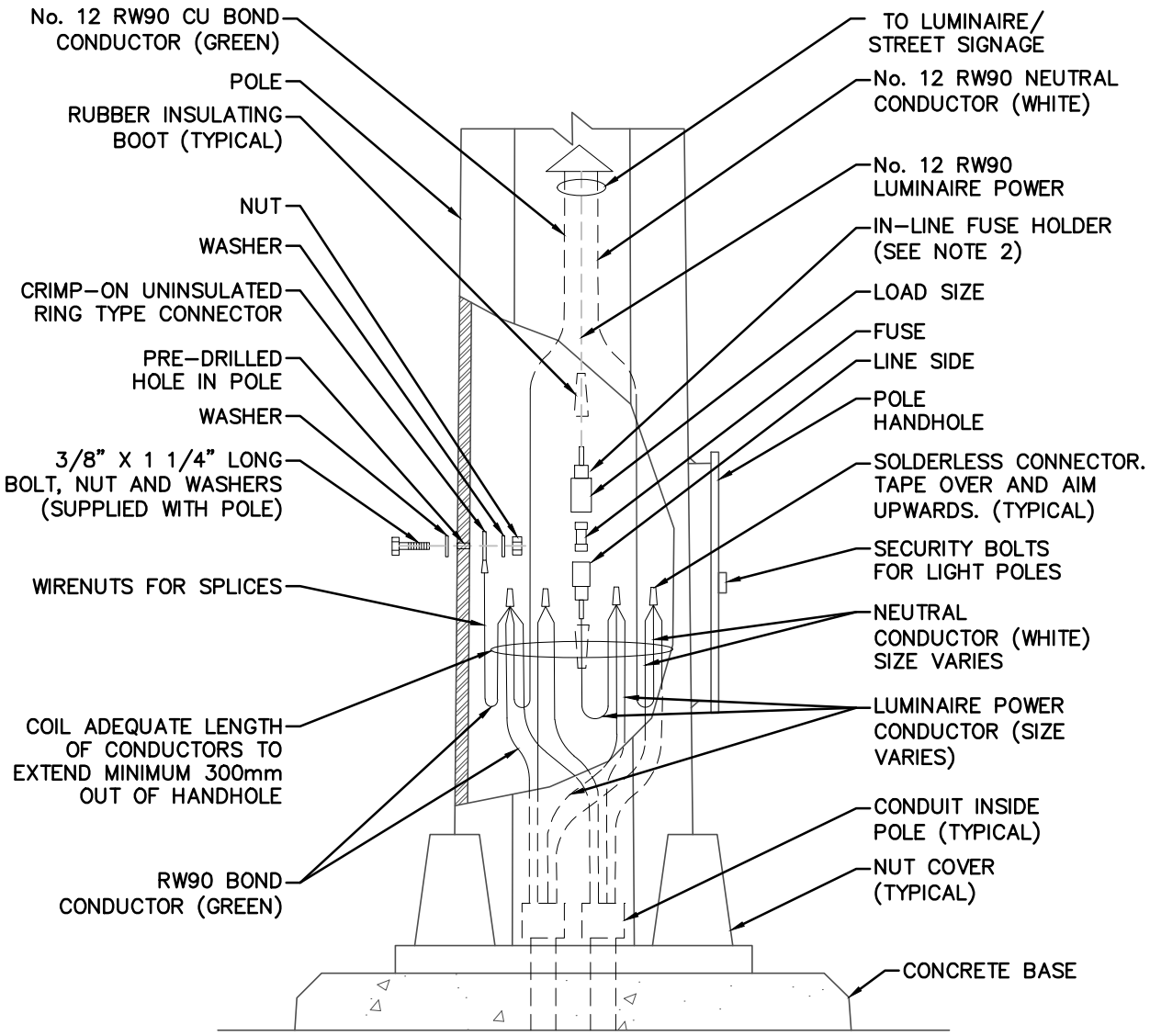
			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **TYPICAL DETECTOR LOOP LOCATIONS**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.8
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 34 41 13 FOR DETAILED SPECIFICATIONS.
2. INLINE FUSE TO BE USED FOR ILLUMINATED STREET NAME SIGNS AND STREETLIGHT FIXTURES.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SIGNAL CABLE WIRING IN POLE HANDHOLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.9
		Scale: N.T.S Date: FEBRUARY, 2026	

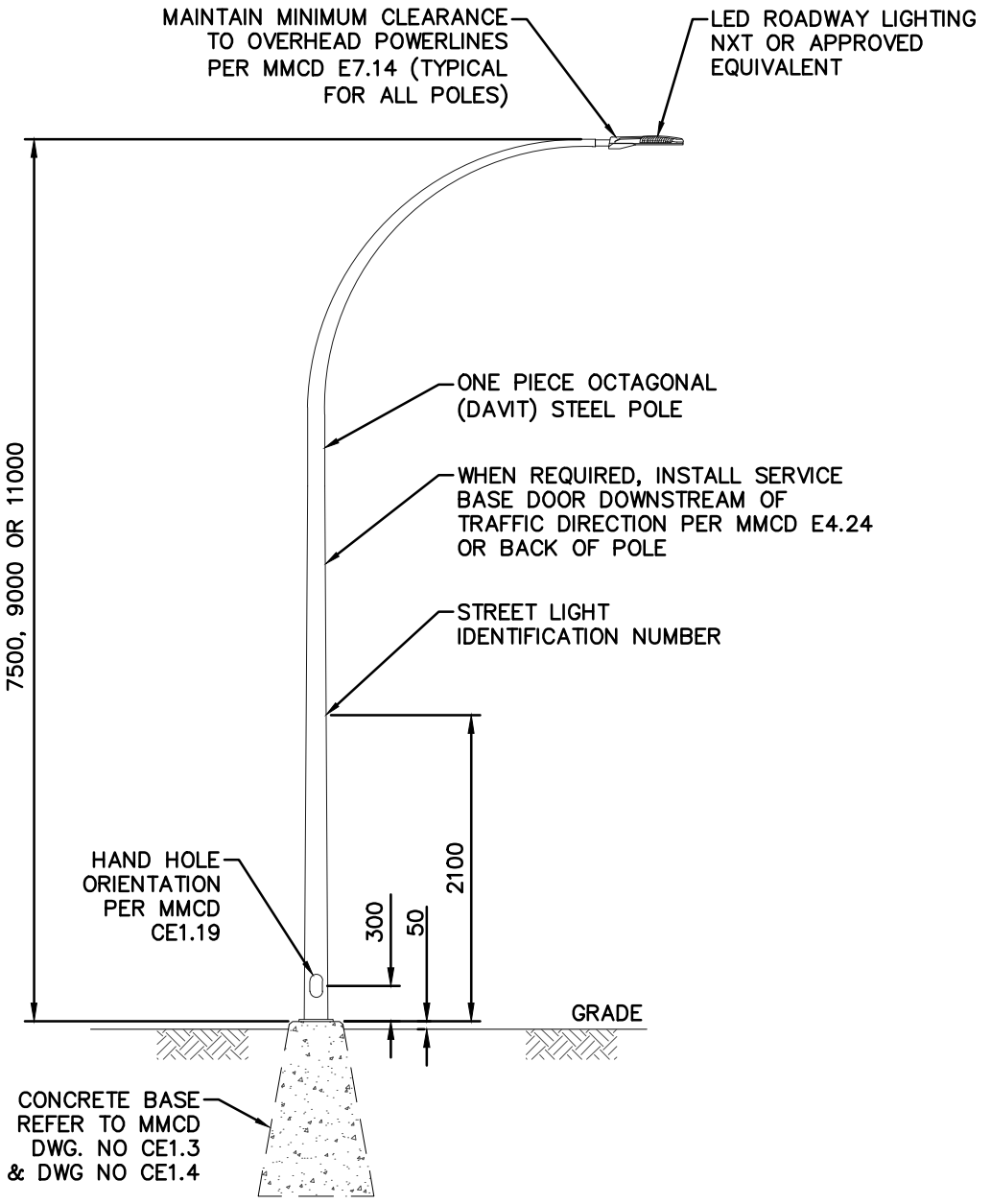


ELEVATION

NOTES:

1. REFER TO CONTRACT DRAWINGS AND MMCD SECTION 26 56 01 & 34 41 13 FOR DETAILED SPECIFICATIONS.
2. SECURITY BOLT (CLOVER BIT) IS REQUIRED AT THE HANDHOLE.
3. WIRE SENTRY IS REQUIRED FOR ROADWAY LIGHTING POLES.

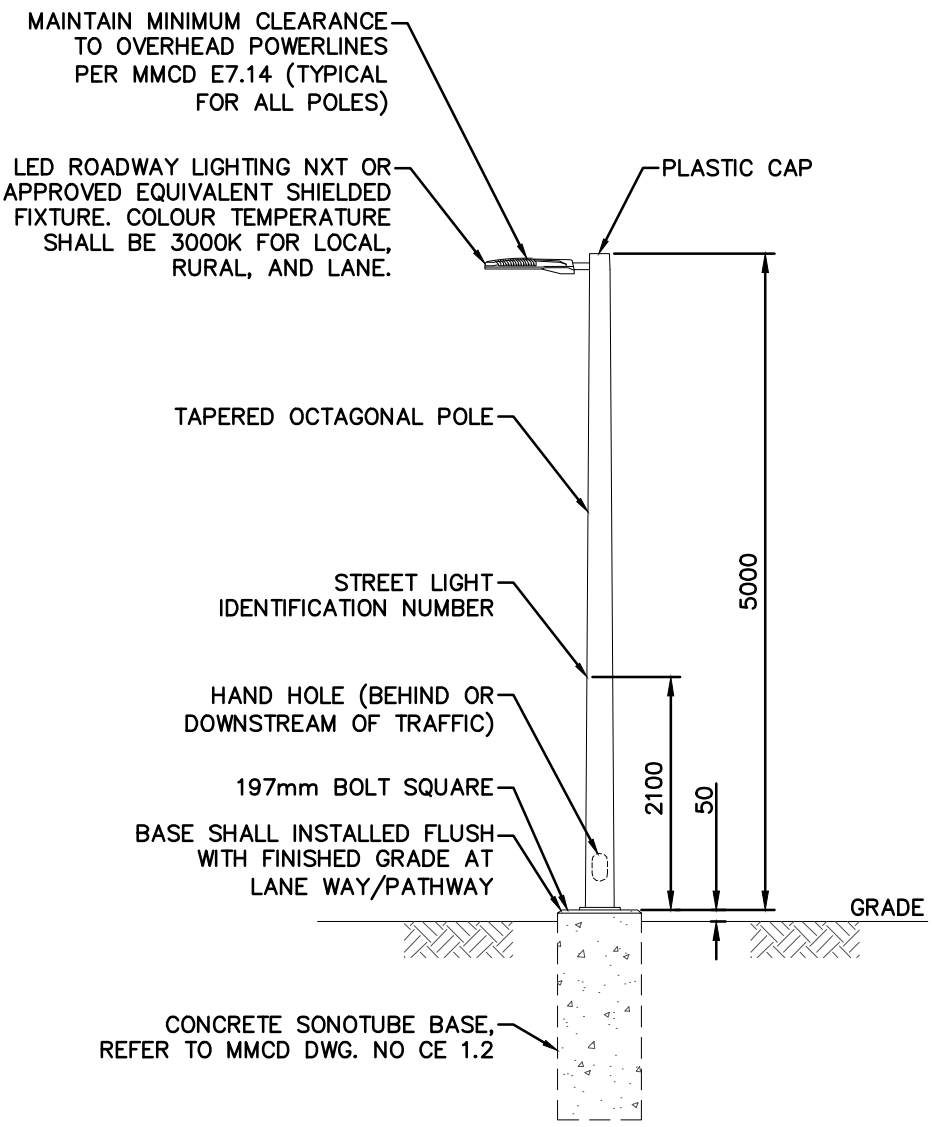
			All Dimensions Shown In Metres, Unless Otherwise Noted	
			Title : **LUMINAIRE WIRING IN POLE HANDHOLE**	
No.	Revision	Approved		
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :	DRAWING NUMBER DSD-EE.9.1
			Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. STREET LIGHT POLES TO BE HOT DIP GALVANIZED UNLESS IN A DECORATIVE AREA. REFER TO DECORATIVE STREET LIGHT DRAWINGS/MAPS FOR DECORATIVE POLE SPECIFICATIONS.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

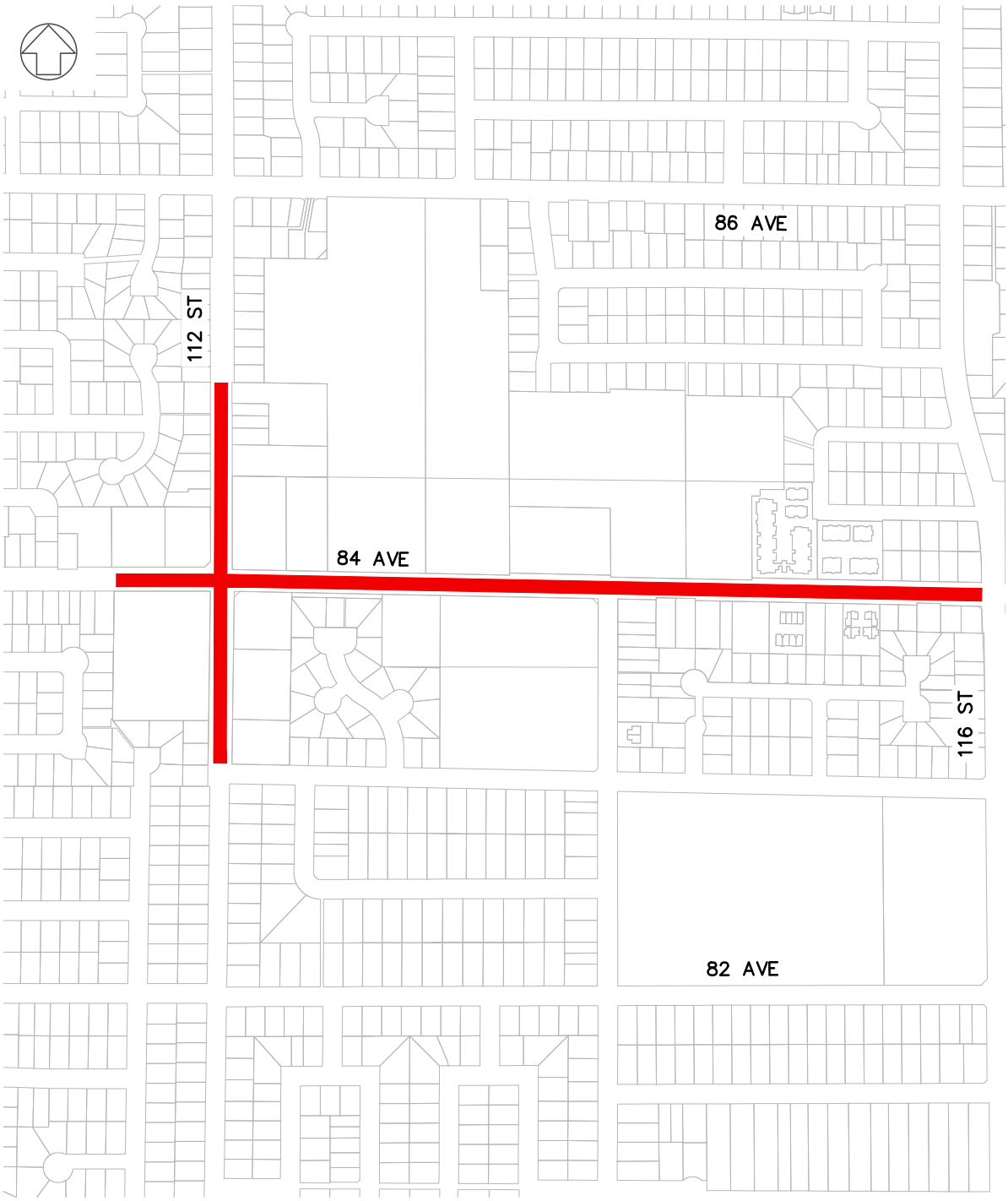
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SINGLE DAVIT STREET LIGHT POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. STREET LIGHT POLES TO BE HOT DIP GALVANIZED UNLESS IN A DECORATIVE AREA. REFER TO DECORATIVE STREET LIGHT DRAWINGS/MAPS FOR DECORATIVE POLE SPECIFICATIONS.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved	All Dimensions Shown In Millimetres, Unless Otherwise Noted	
			Title : **LANEWAY / PATHWAY LIGHTING POLE**	
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.1
			Scale: N.T.S Date: FEBRUARY, 2026	



NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **SOCIAL HEART DECORATIVE LIGHTING - MAP**

Delta

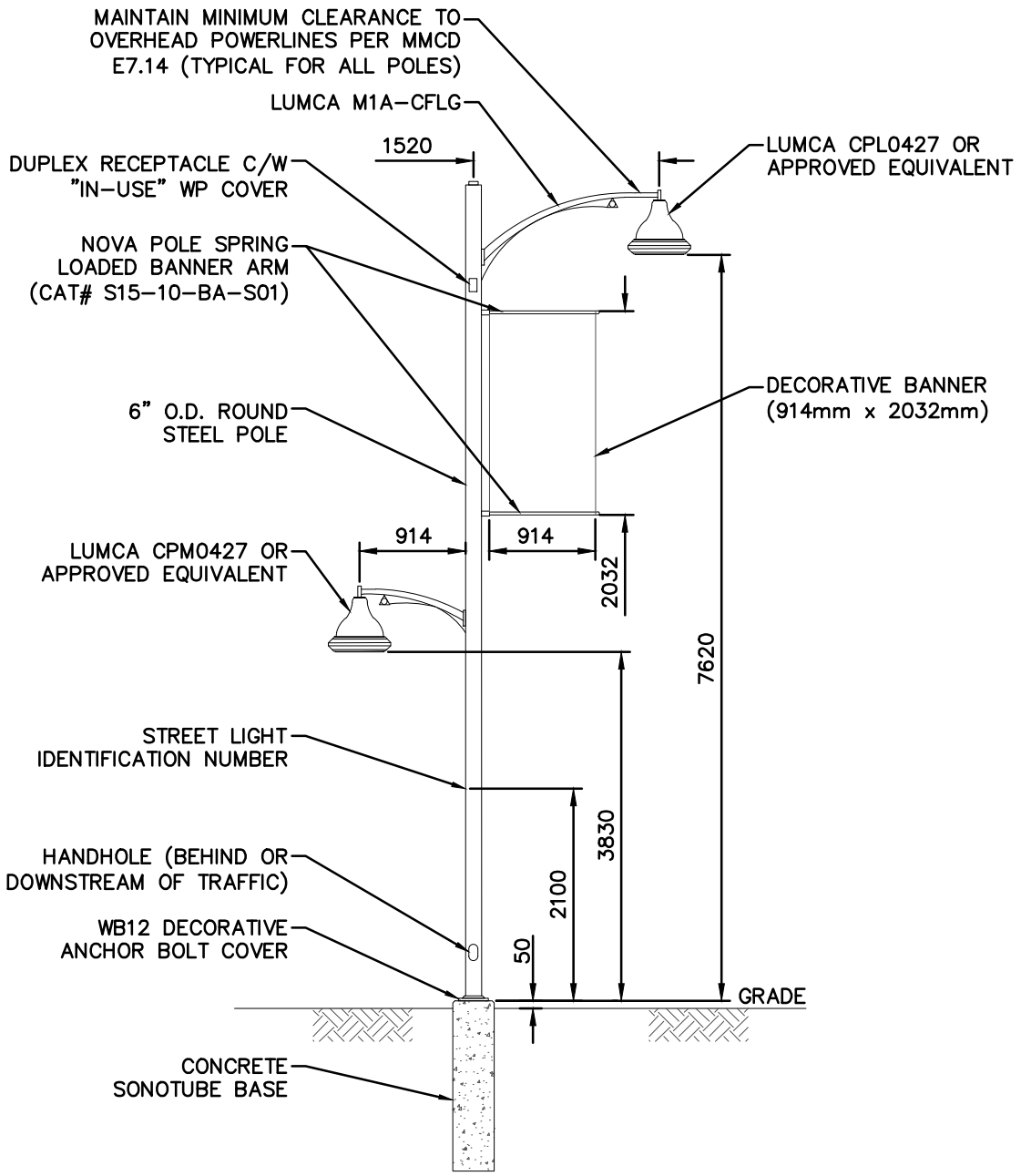
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.2



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED BURGUNDY RAL3004.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **SOCIAL HEART DECORATIVE LIGHTING - ROADWAY / PEDESTRIAN POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

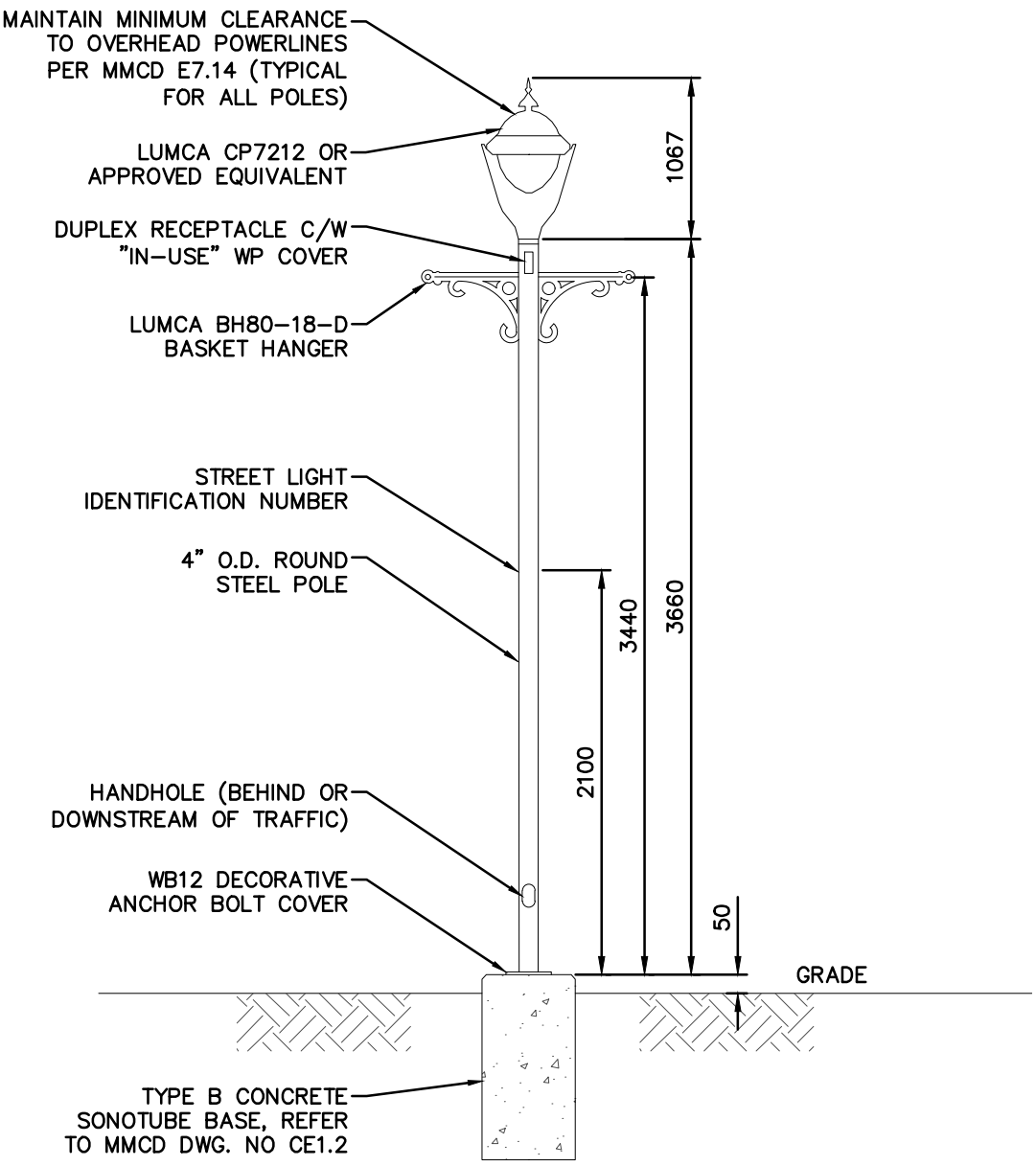
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.3



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED BURGUNDY RAL3004.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.
4. POLE AND BASE TO ACCOMMODATE 27mm IRRIGATION LINE.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **SOCIAL HEART DECORATIVE LIGHTING - PEDESTRIAN POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

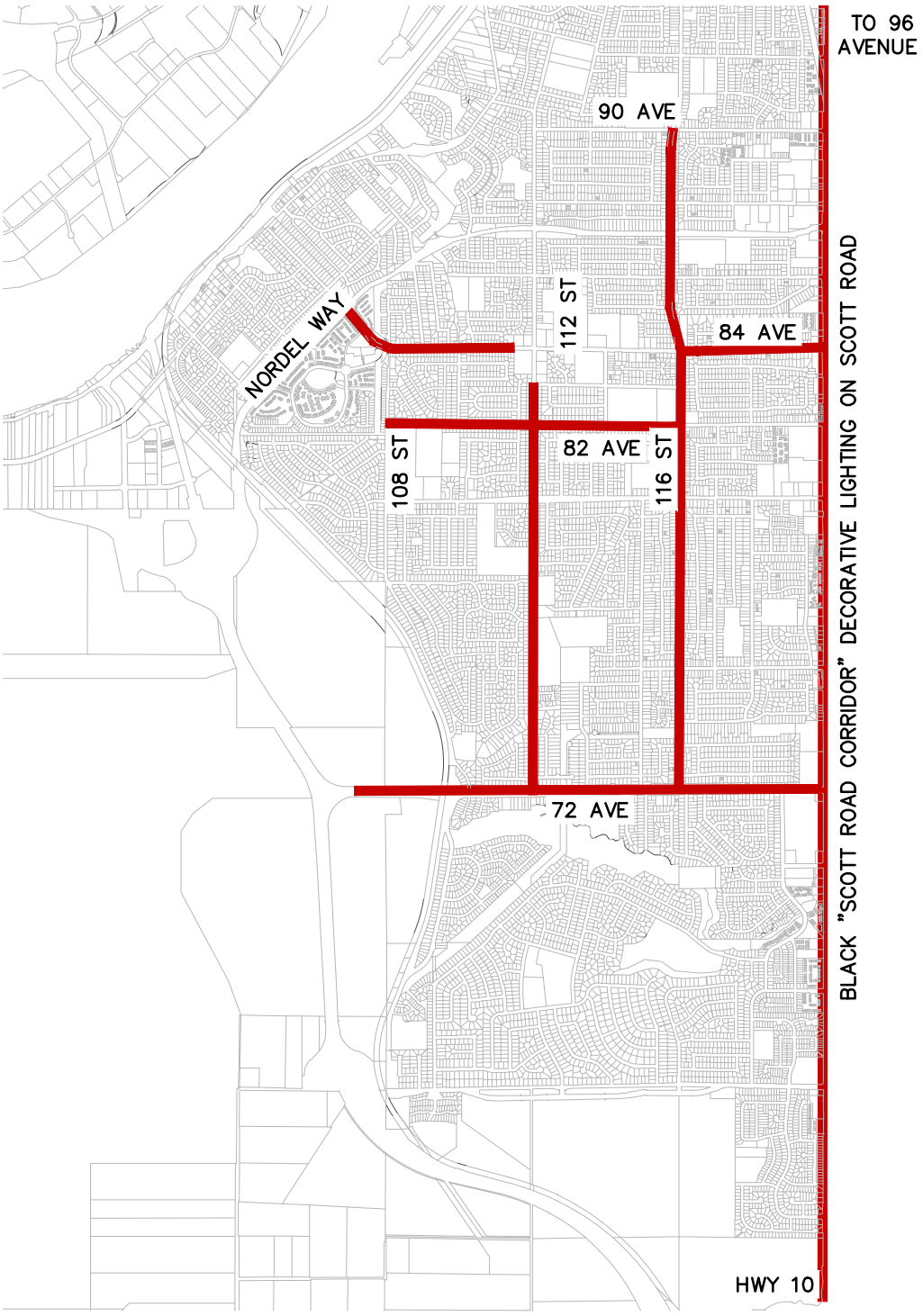
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.4



NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **NORTH DELTA GATEWAY CORRIDORS DECORATIVE LIGHTING - MAP**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

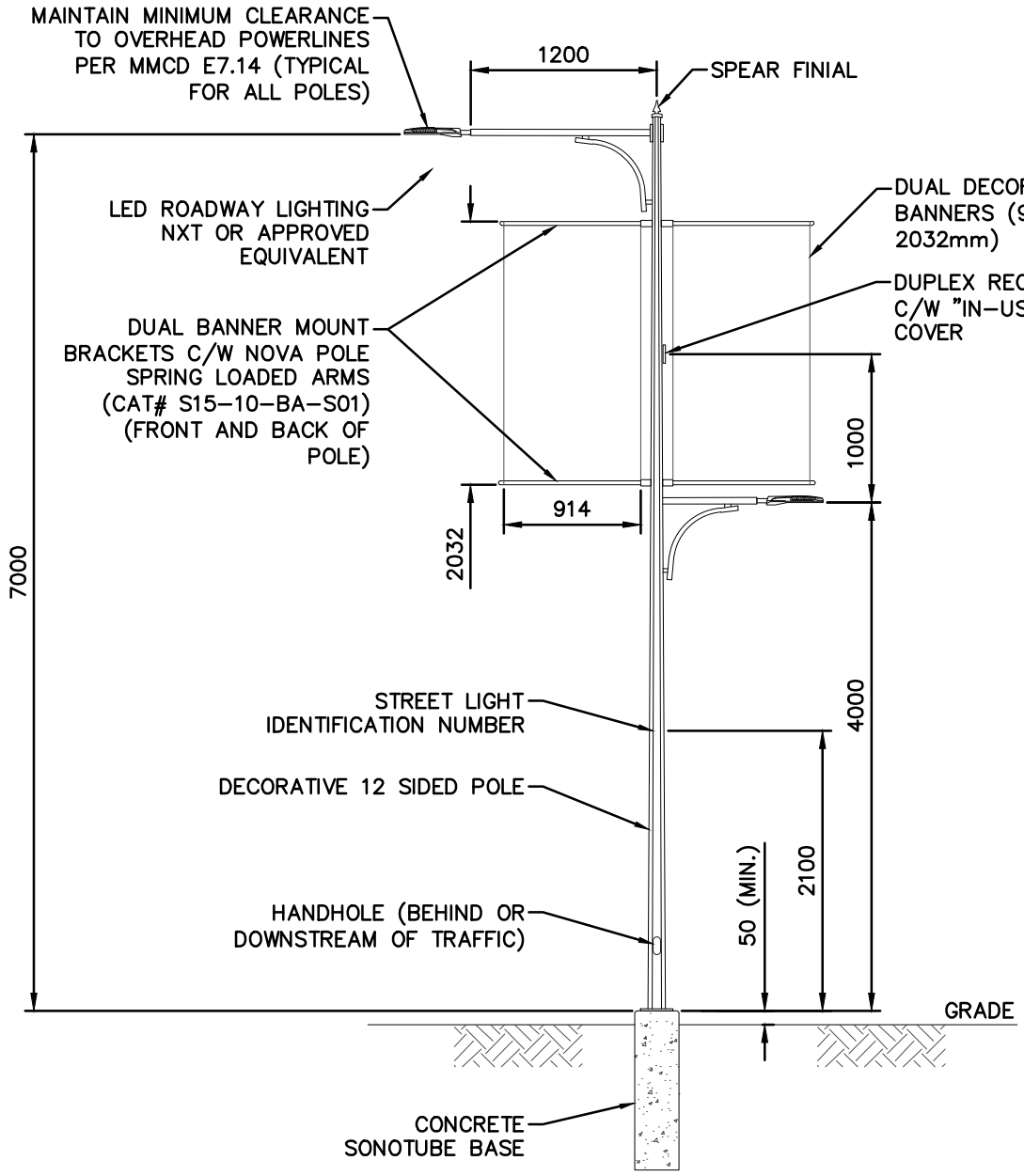
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

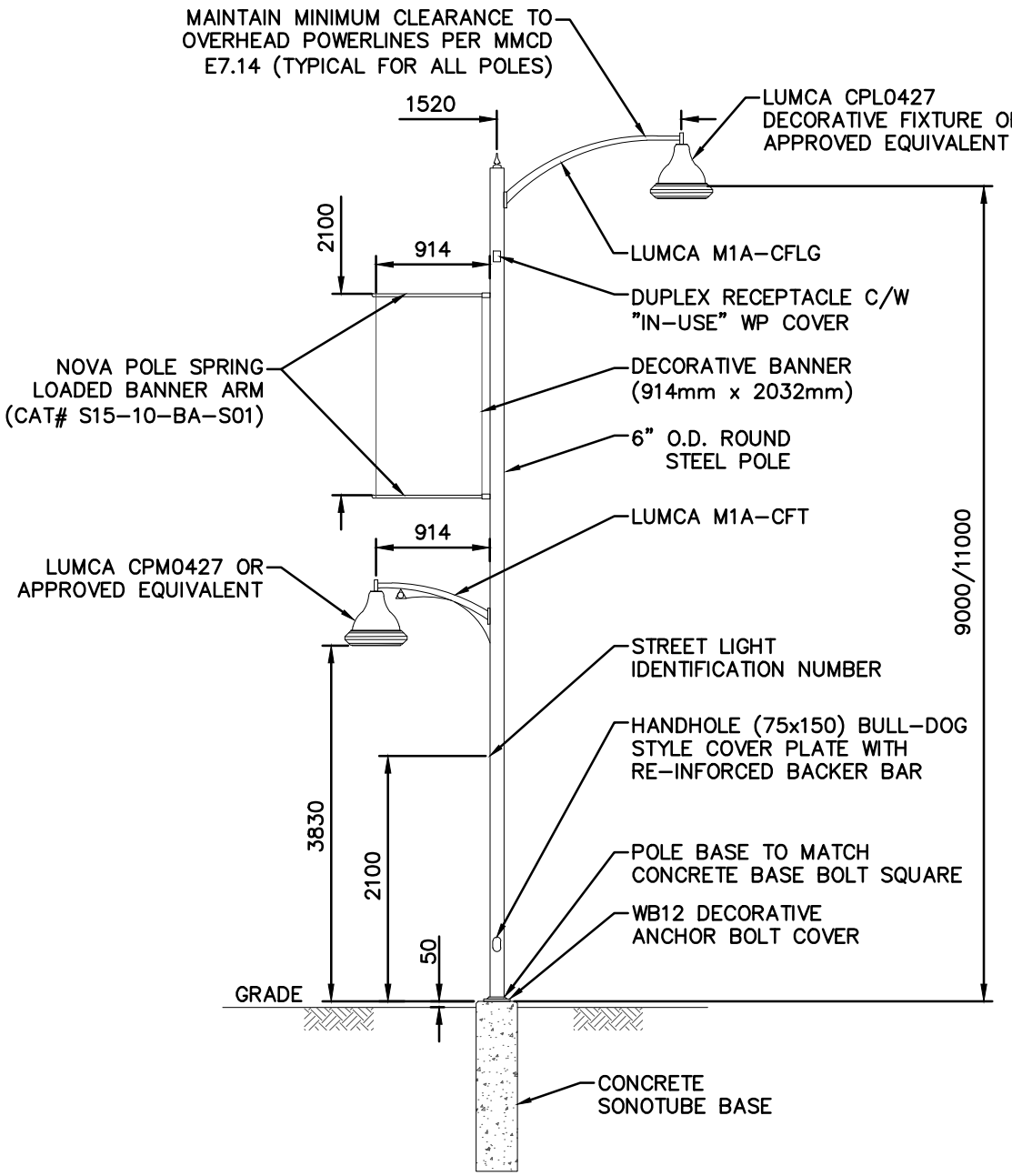
DSD-EE.10.5



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED BURGUNDY RAL3004.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **NORTH DELTA GATEWAY CORRIDORS DECORATIVE LIGHTING - POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.6
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED BLACK RAL9011.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **SCOTT ROAD CORRIDOR DECORATIVE LIGHTING - POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

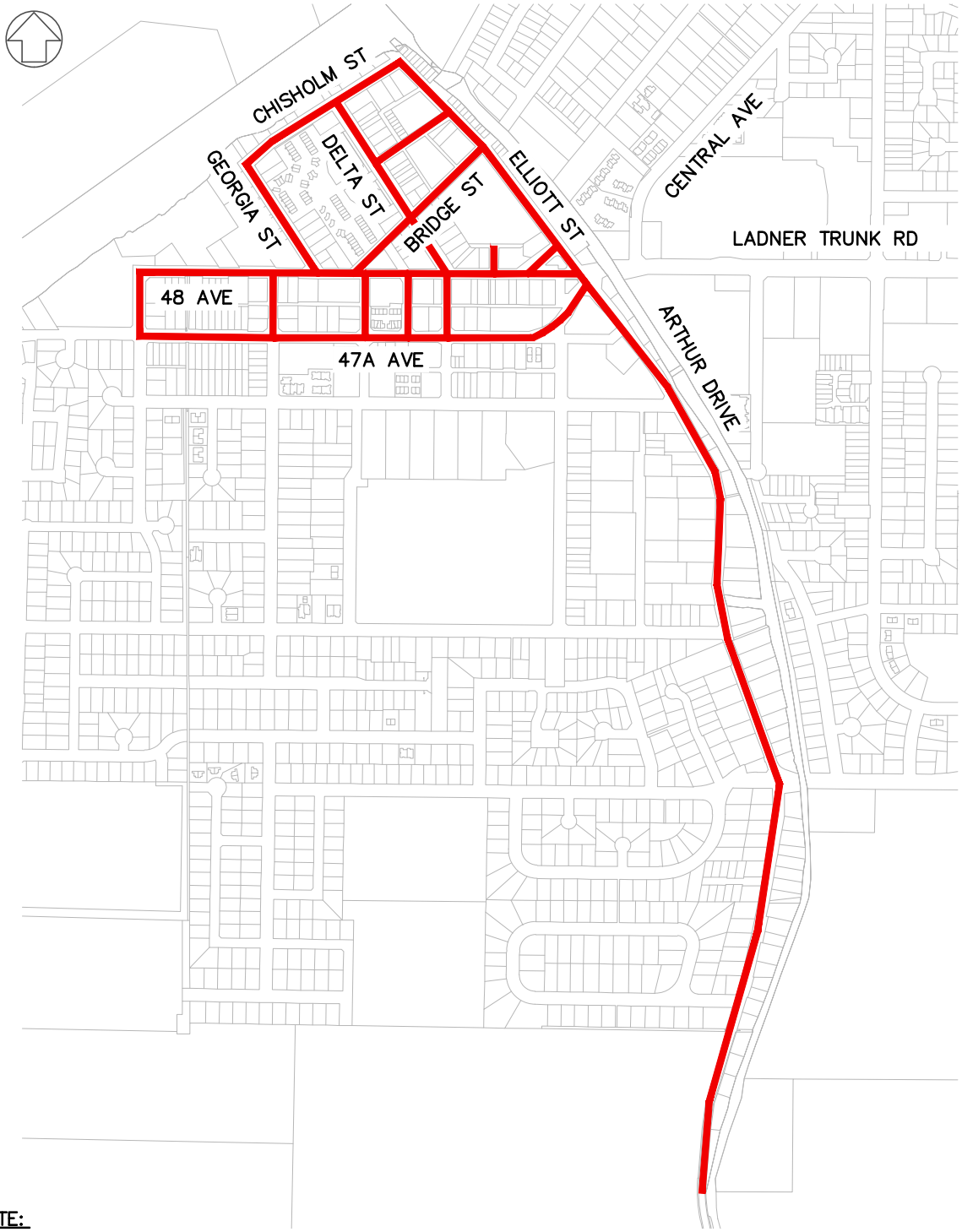
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

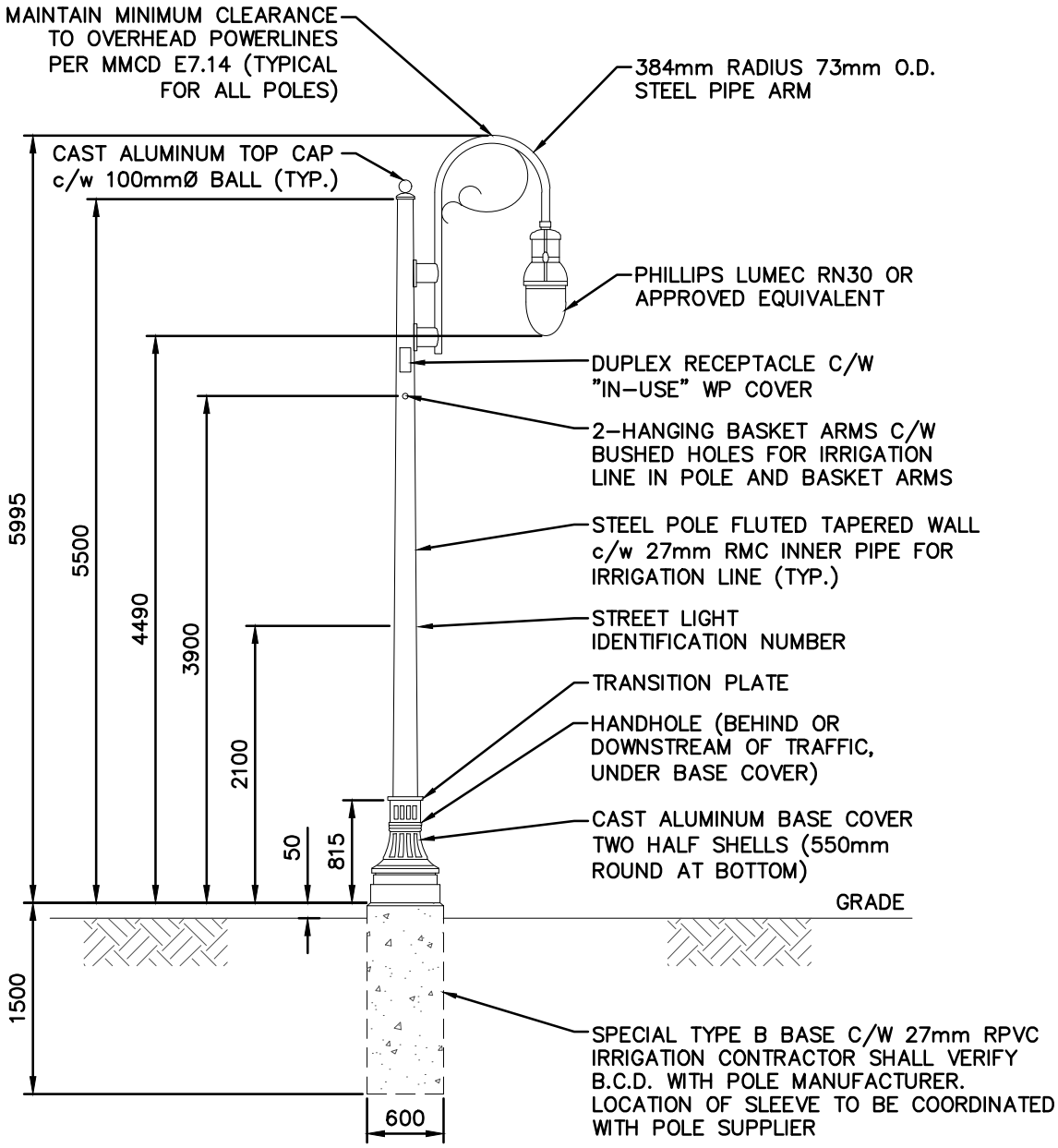
DSD-EE.10.7



NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **LADNER VILLAGE & ARTHUR DRIVE DECORATIVE LIGHTING - MAP**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.8
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, TRANSITION PLATE, RECEPTACLE COVERS TO BE POWDER COATED HUNTER GREEN RAL6009.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.
4. POLE AND BASE TO ACCOMMODATE 27mm IRRIGATION LINE.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **LADNER VILLAGE & ARTHUR DRIVE DECORATIVE LIGHTING - ROADWAY/ PEDESTRIAN POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.9
		Scale: N.T.S Date: FEBRUARY, 2026	

NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **LADNER GATEWAY CORRIDORS DECORATIVE LIGHTING - MAP**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

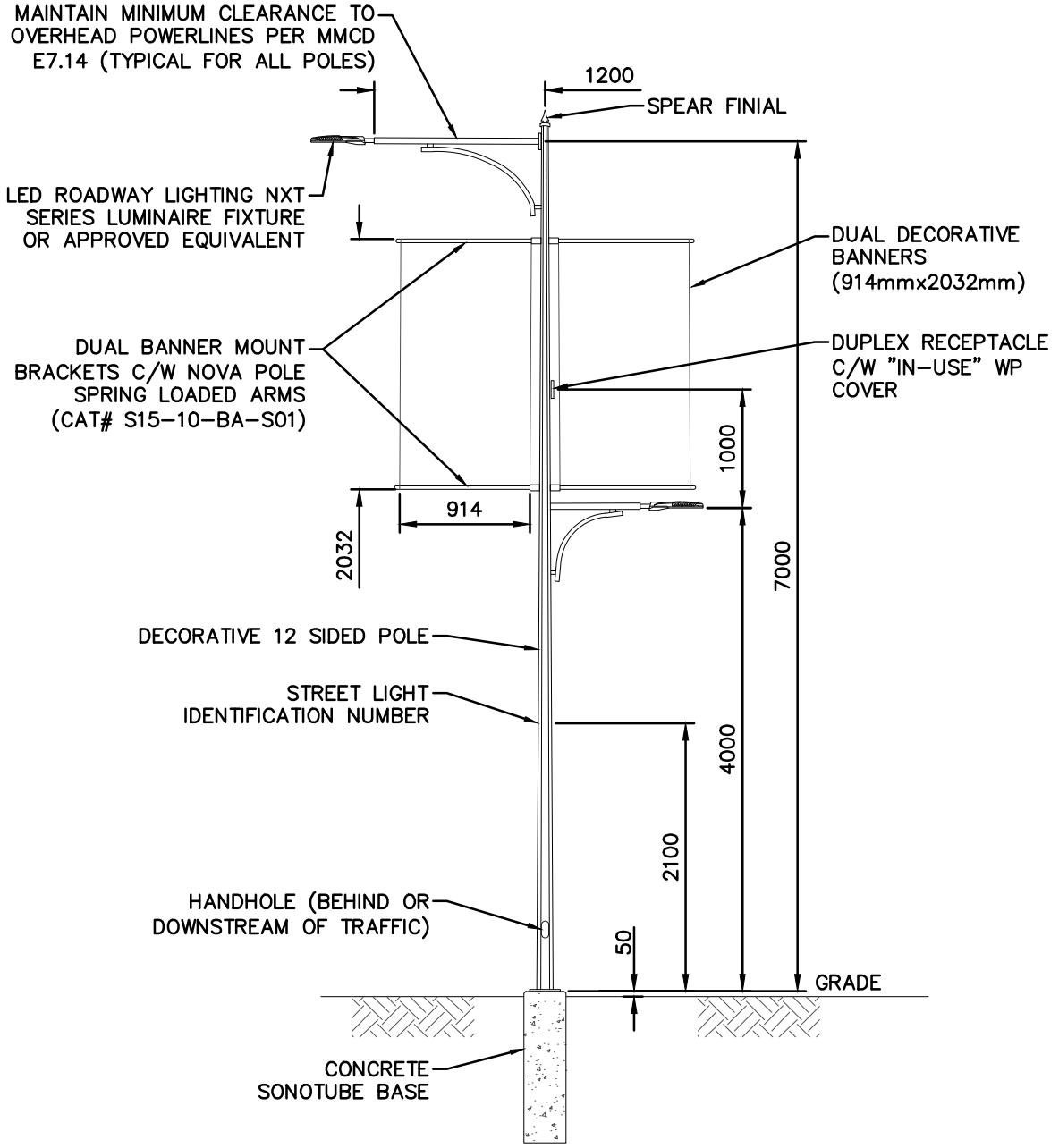
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

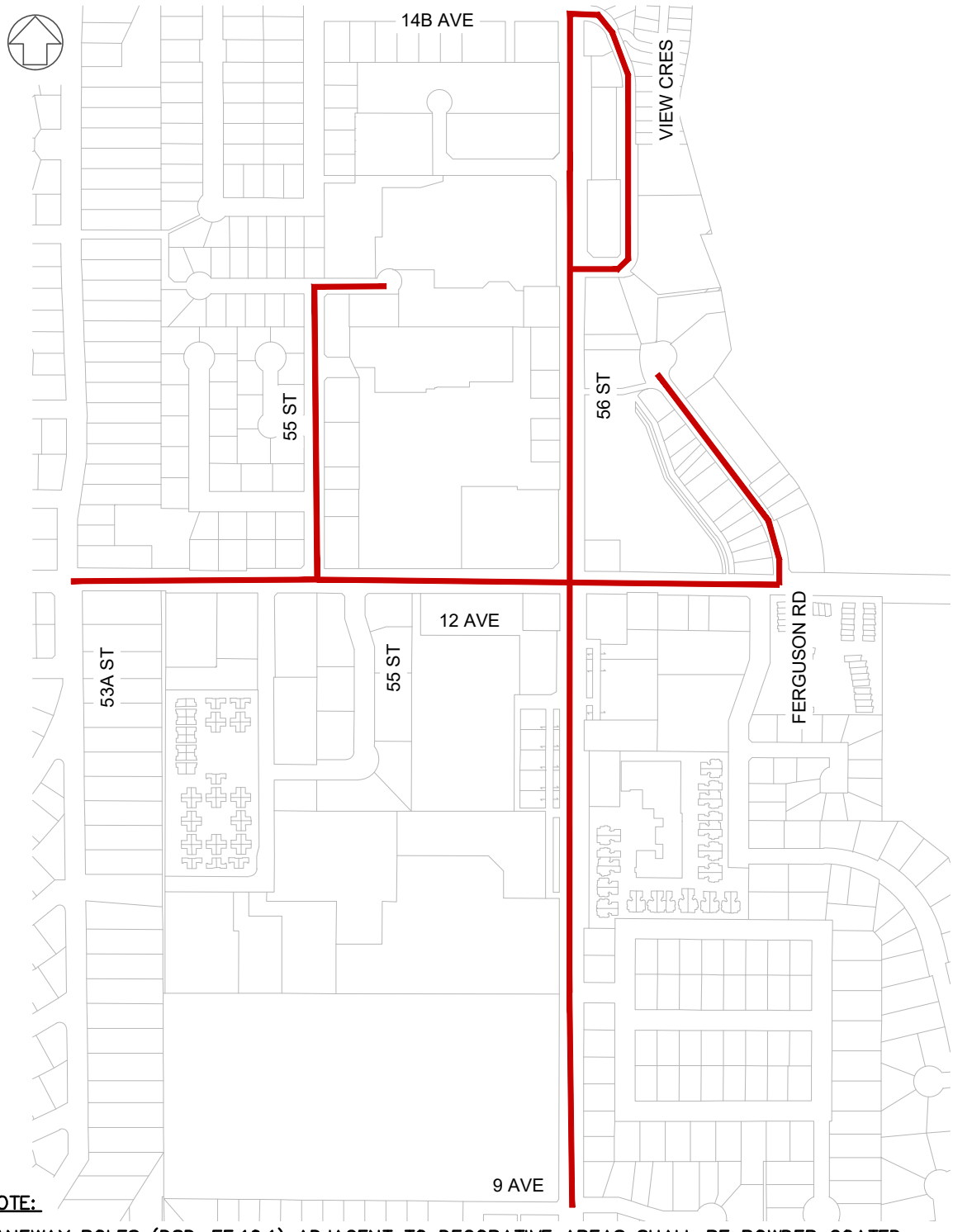
DSD-EE.10.10



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, BANNER ARMS, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED HUNTER GREEN RAL6009.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **LADNER GATEWAY CORRIDORS DECORATIVE LIGHTING - ROADWAY / PEDESTRIAN POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.11
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **TSAWWASSEN TOWN CENTRE DECORATIVE LIGHTING - MAP**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

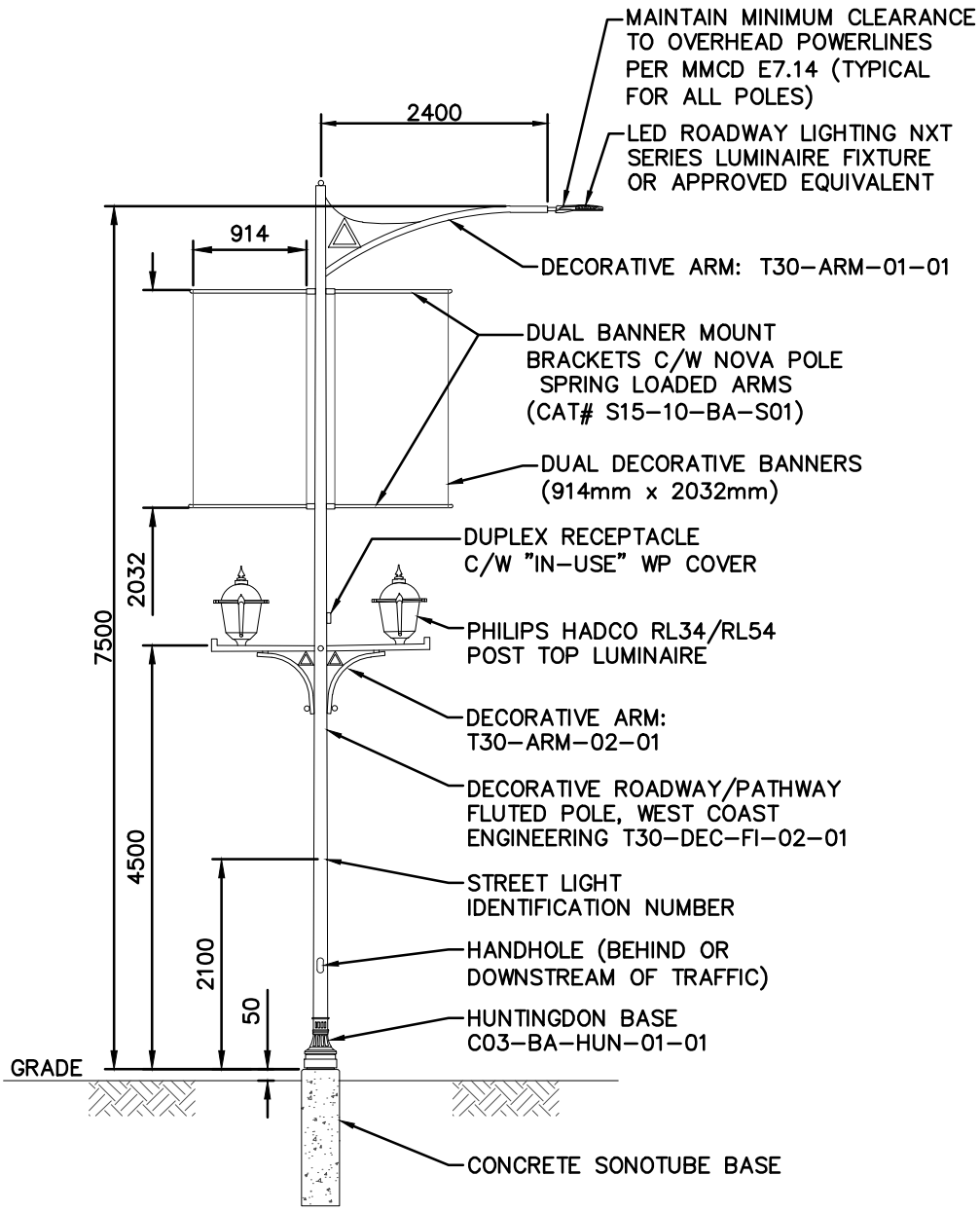
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.12



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, FLOWER BASKET HANGERS, TRANSITION PLATE, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED FOREST GREEN RAL6005.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TSAWWASSEN TOWN CENTRE DECORATIVE LIGHTING - 7.5m ROADWAY / PEDESTRIAN POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

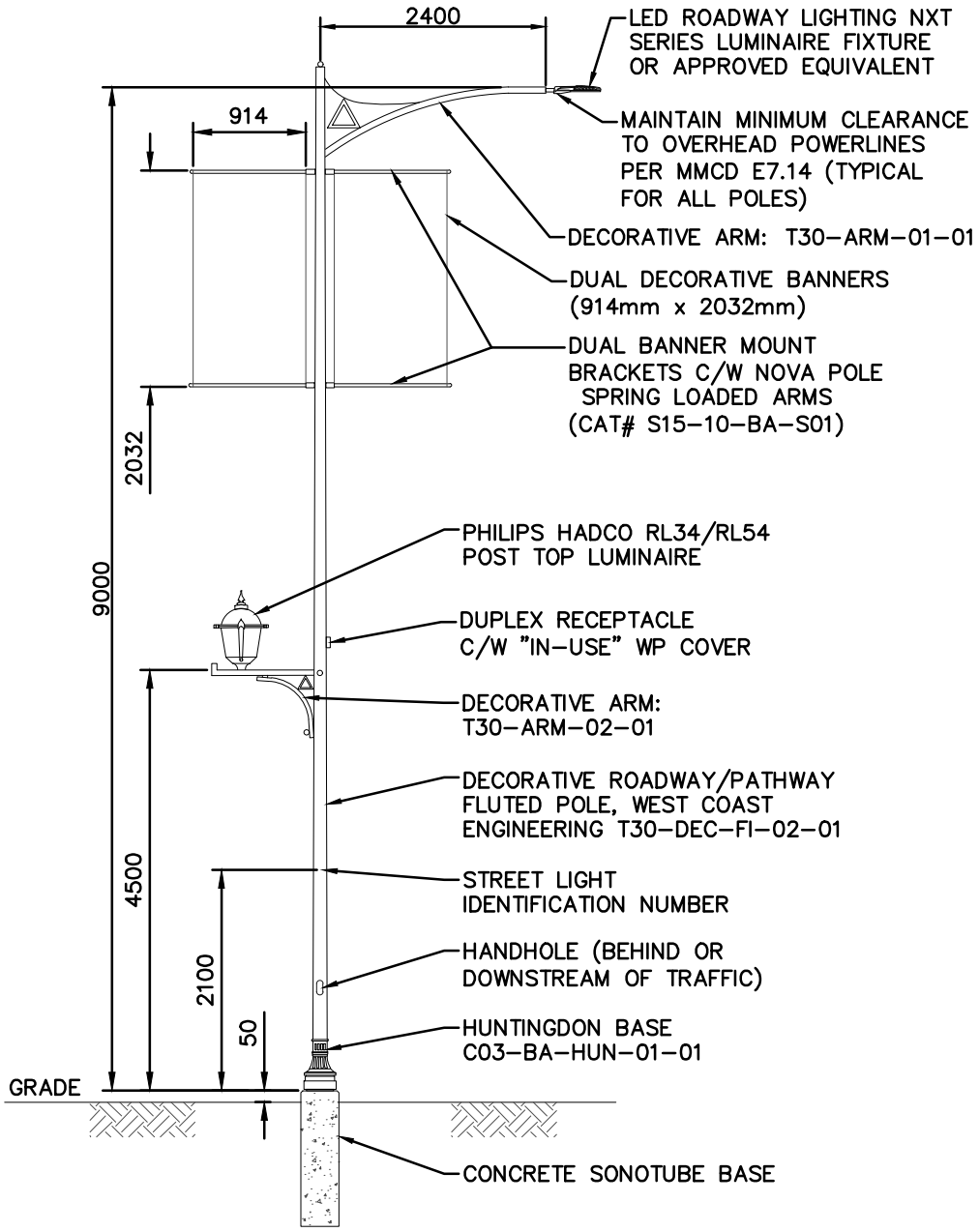
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.13



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BANNER ARMS, FLOWER BASKET HANGERS, TRANSITION PLATE, BOLT COVERS, RECEPTACLE COVERS TO BE POWDER COATED FOREST GREEN RAL6005.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TSAWWASSEN TOWN CENTRE DECORATIVE LIGHTING - 9.0m ROADWAY / PEDESTRIAN POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

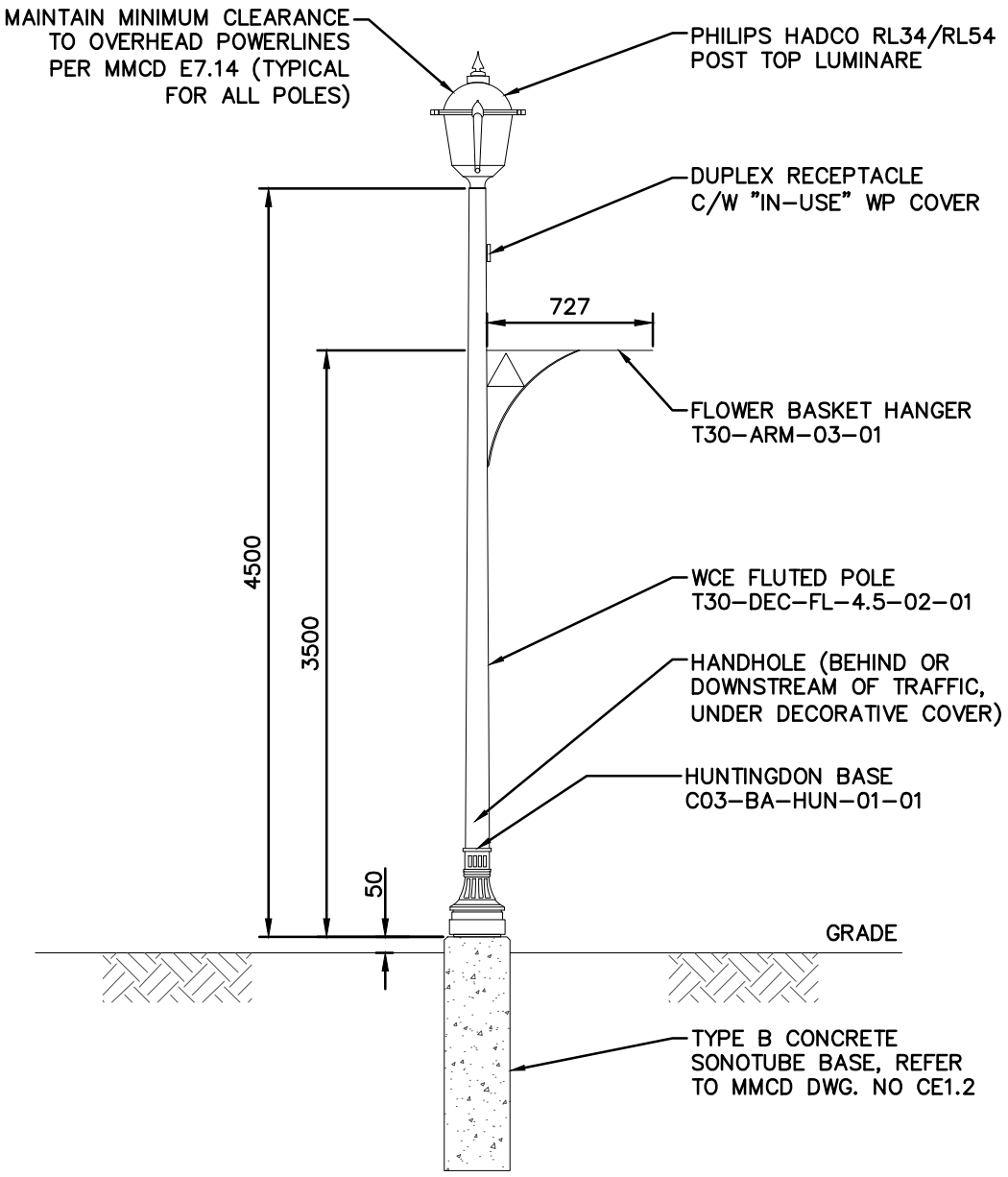
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.13.1



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, LUMINAIRES, FLOWER BASKET HANGERS, TRANSITION PLATE, BOLT COVER, RECEPTACLE COVERS TO BE POWDER COATED FOREST GREEN RAL6005.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.
4. POLE AND BASE TO ACCOMMODATE 27mm IRRIGATION LINE.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TSAWWASSEN TOWN CENTRE DECORATIVE LIGHTING - PEDESTRIAN POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.14

NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **TSAWWASSEN GATEWAY CORRIDOR DECORATIVE LIGHTING - MAP**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

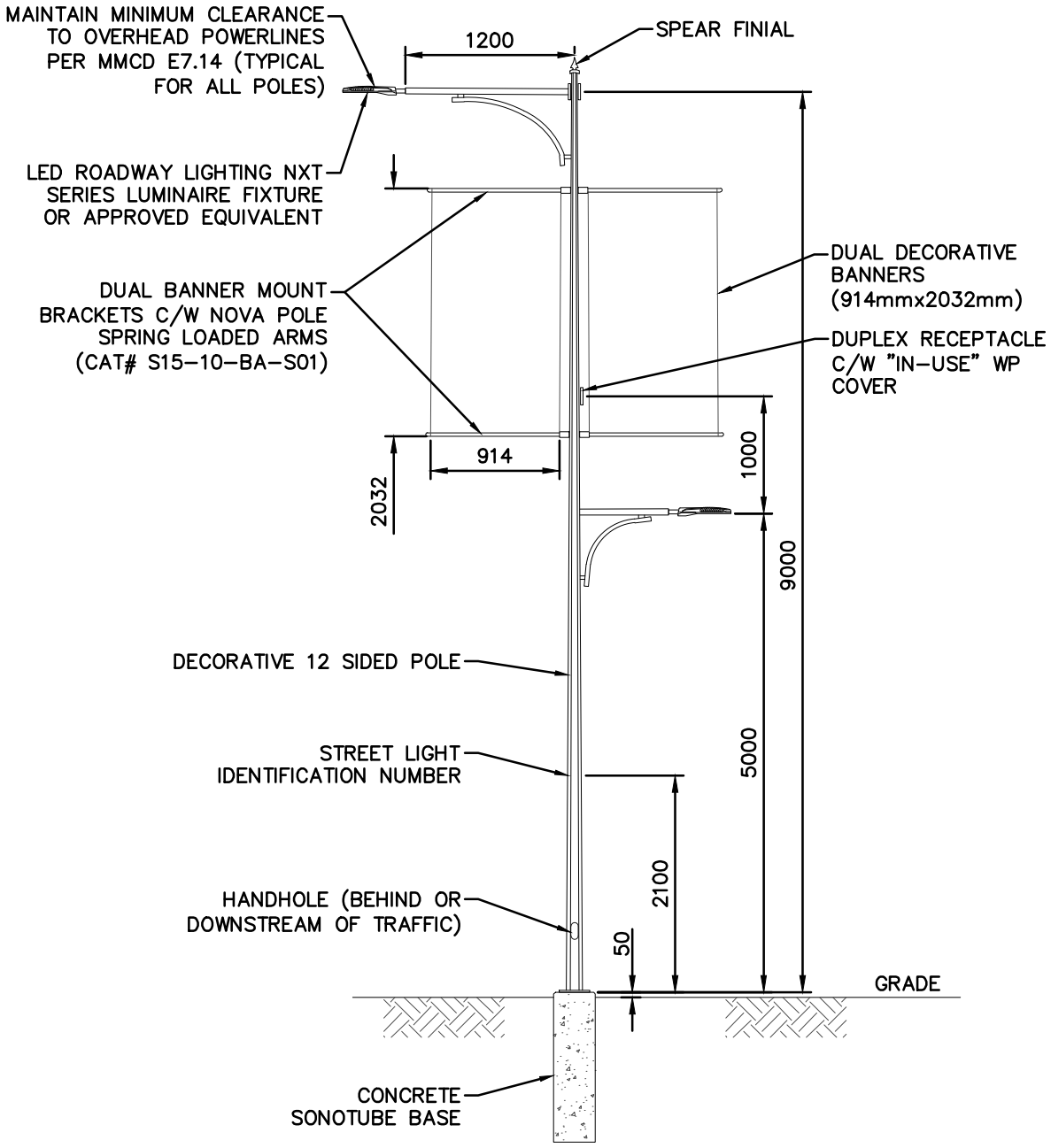
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

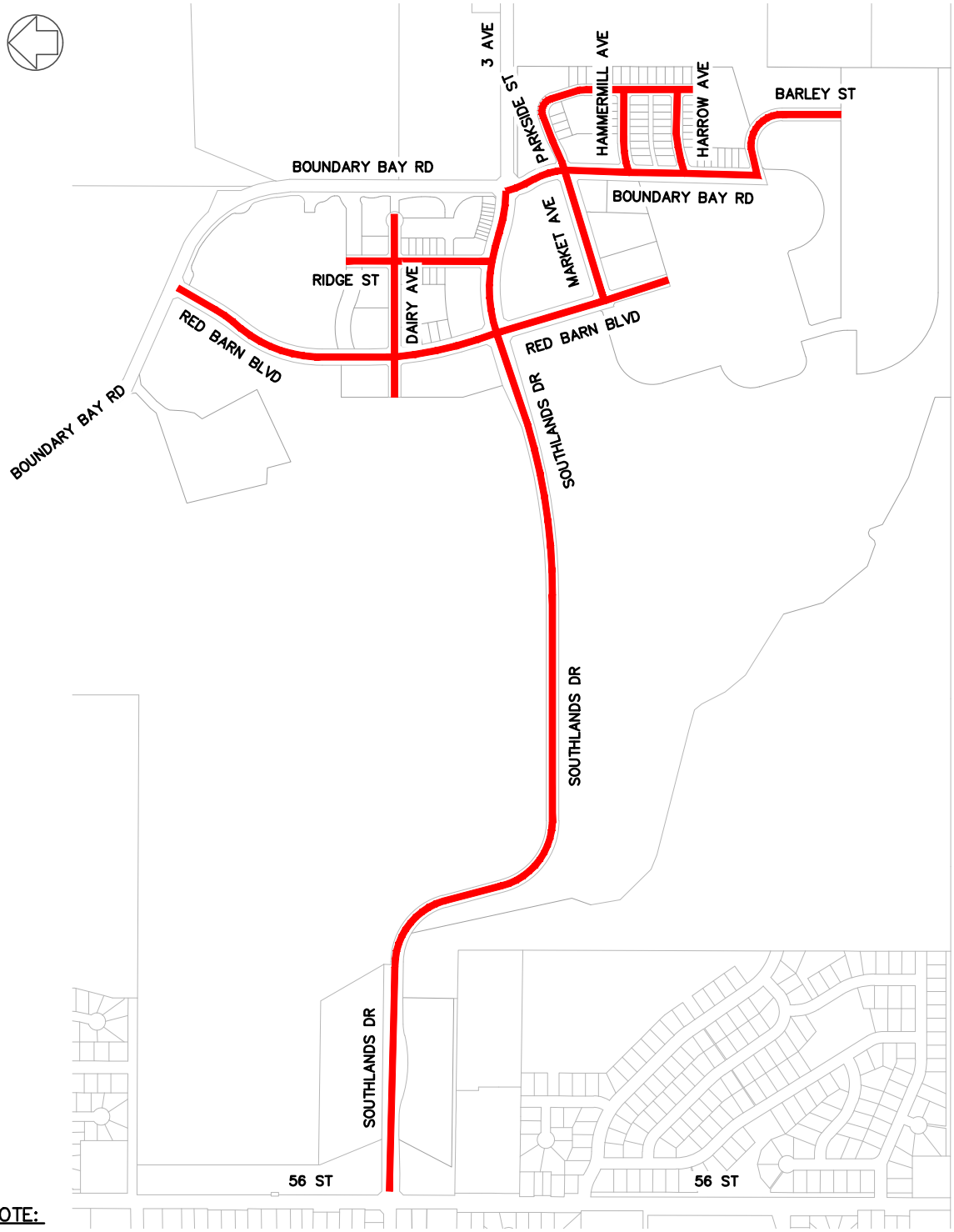
DSD-EE.10.15



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, BANNER ARMS, LUMINAIRES, BOLT COVER, RECEPTACLE COVERS TO BE POWDER COATED FOREST GREEN RAL6005.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **TSAWWASSEN GATEWAY CORRIDORS DECORATIVE LIGHTING - ROADWAY / PEDESTRIAN POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.16
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTE:

LANEWAY POLES (DSD–EE.10.1) ADJACENT TO DECORATIVE AREAS SHALL BE POWDER COATED.

No.	Revision	Approved

All Dimensions Shown In Metres,
Unless Otherwise Noted

Title : **SOUTHLANDS DECORATIVE LIGHTING - MAP**

Delta

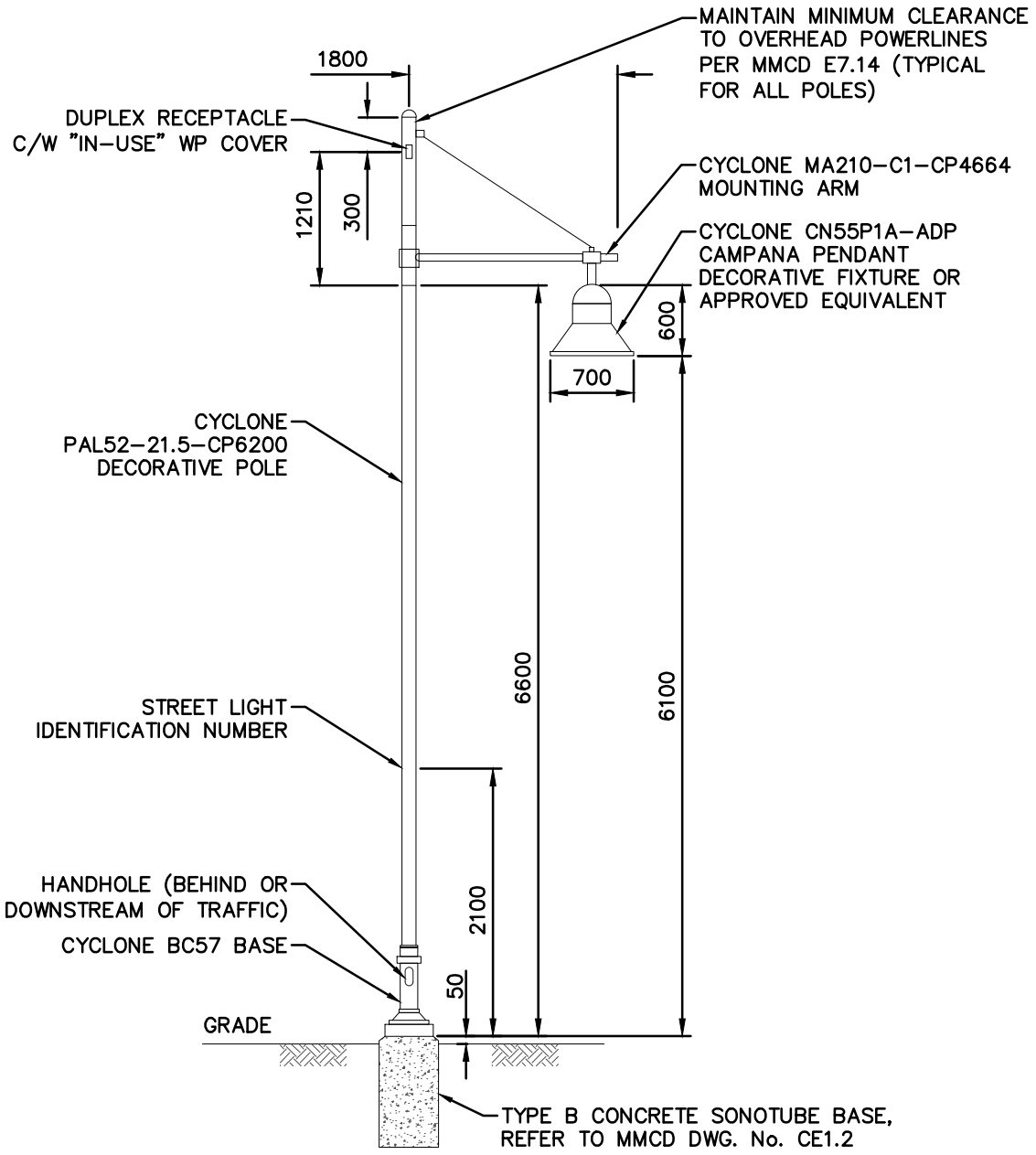
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.17



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BOLT COVER, RECEPTACLE COVERS TO BE POWDER COATED BLACK RAL9005TX.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **SOUTHLANDS DECORATIVE LIGHTING - ROADWAY POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

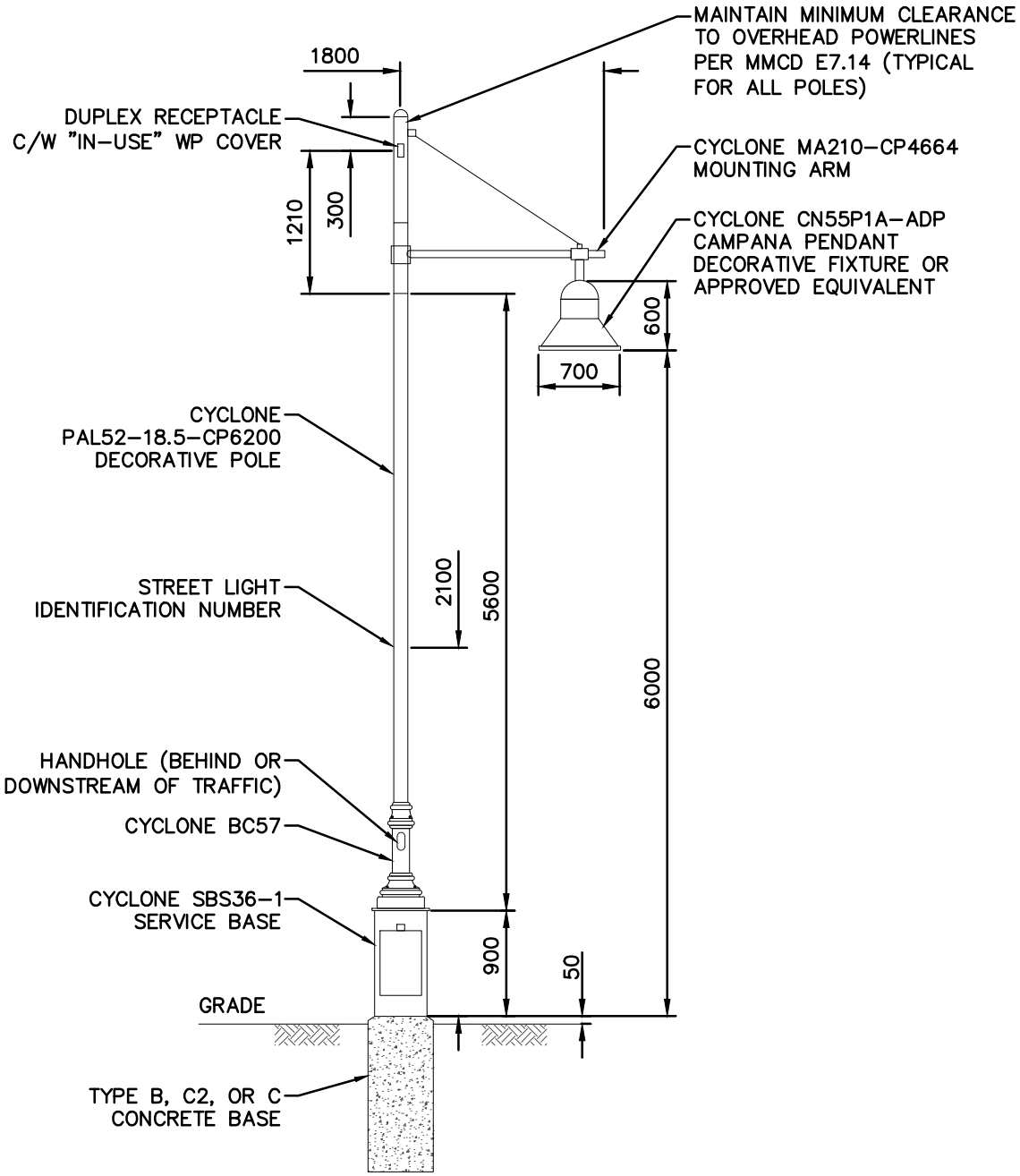
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-EE.10.18



NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BOLT COVER, RECEPTACLE COVERS TO BE POWDER COATED BLACK RAL9005TX.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **SOUTHLANDS DECORATIVE LIGHTING - SERVICE BASE ROADWAY POLE**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

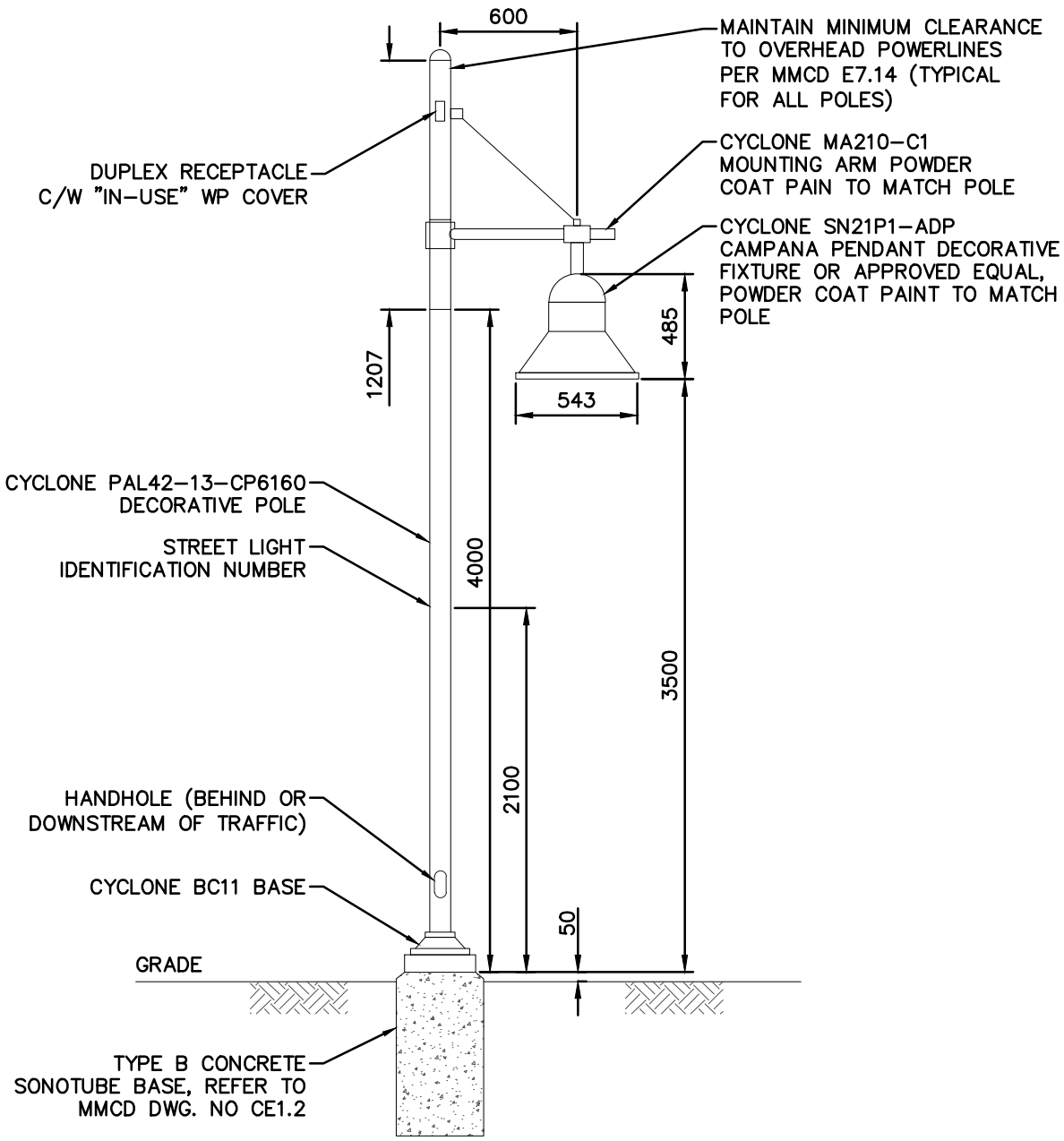
Approved By :

Scale: N.T.S

Date: FEBRUARY, 2026

DRAWING NUMBER

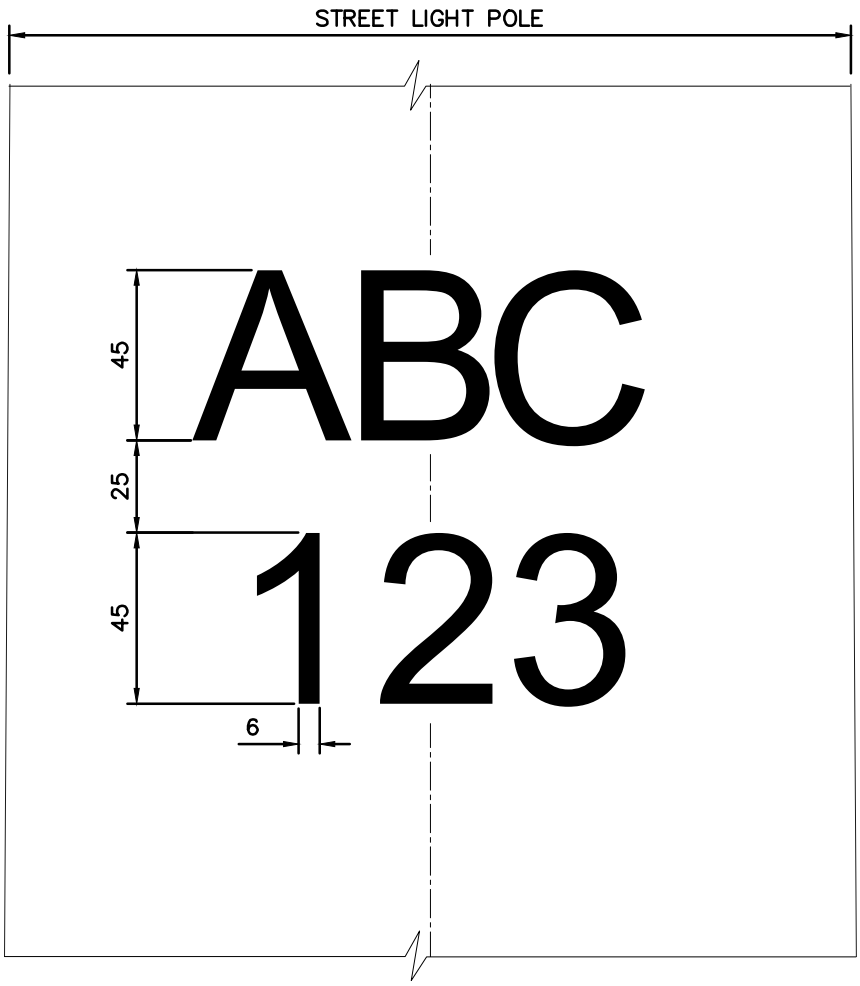
DSD-EE.10.19

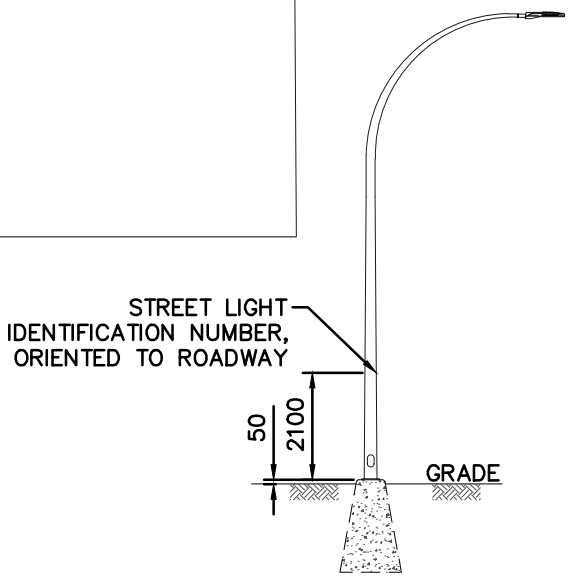


NOTES:

1. STREET LIGHT IDENTIFICATION STICKER TO BE HELVETICA MEDIUM BLACK VINYL ON ALL GALVANIZED POLES AND WHITE VINYL STICKER FOR ALL POWDER COATED POLES.
2. POLES, ARMS, LUMINAIRES, BOLT COVER, RECEPTACLE COVERS TO BE POWDER COATED BLACK RAL9005TX.
3. ALL LUMINAIRES SHALL INCLUDE NEMA WATTAGE LABELS.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **SOUTHLANDS DECORATIVE LIGHTING - PEDESTRIAN POLE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.10.20
		Scale: N.T.S Date: FEBRUARY, 2026	

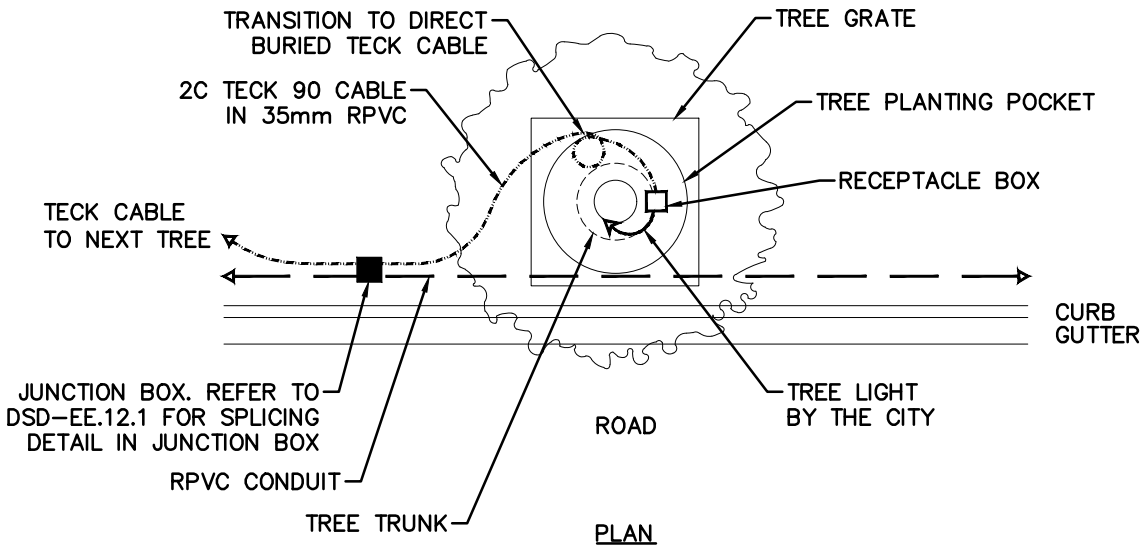




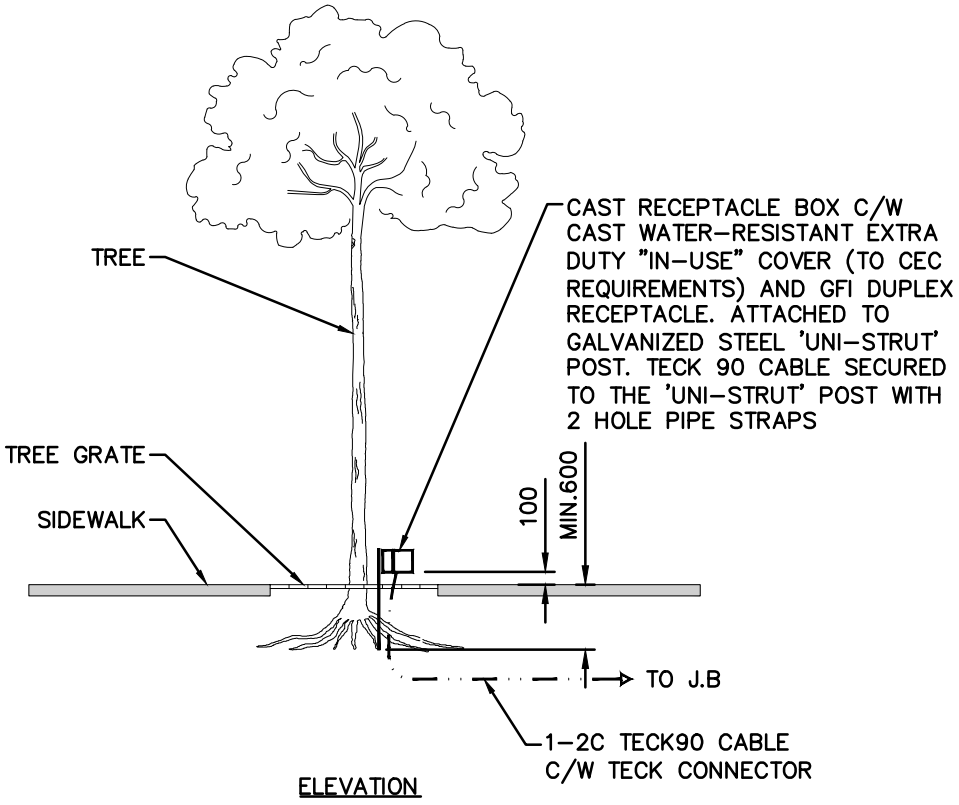
NOTES:

1. STREET LIGHT IDENTIFICATION STICKERS SHALL BE ARIAL FONT, BLACK VINYL ON GALVANIZED POLES AND WHITE VINYL ON POWDER-COATED POLES. TEXT HEIGHTS SHALL BE 45mm.
2. VINYL GRAPHICS SHALL BE SUPPLIED WITH TRANSFER TAPE (PRE-MASK) FOR INSTALLATION. TRANSFER TAPE SHALL BE REMOVED AFTER THE STICKER IS APPLIED.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **STREET LIGHT IDENTIFICATION STICKER**
No.	Revision	Approved	
Delta		SUPPLEMENTARY STANDARD DRAWINGS	Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-EE.11



PLAN

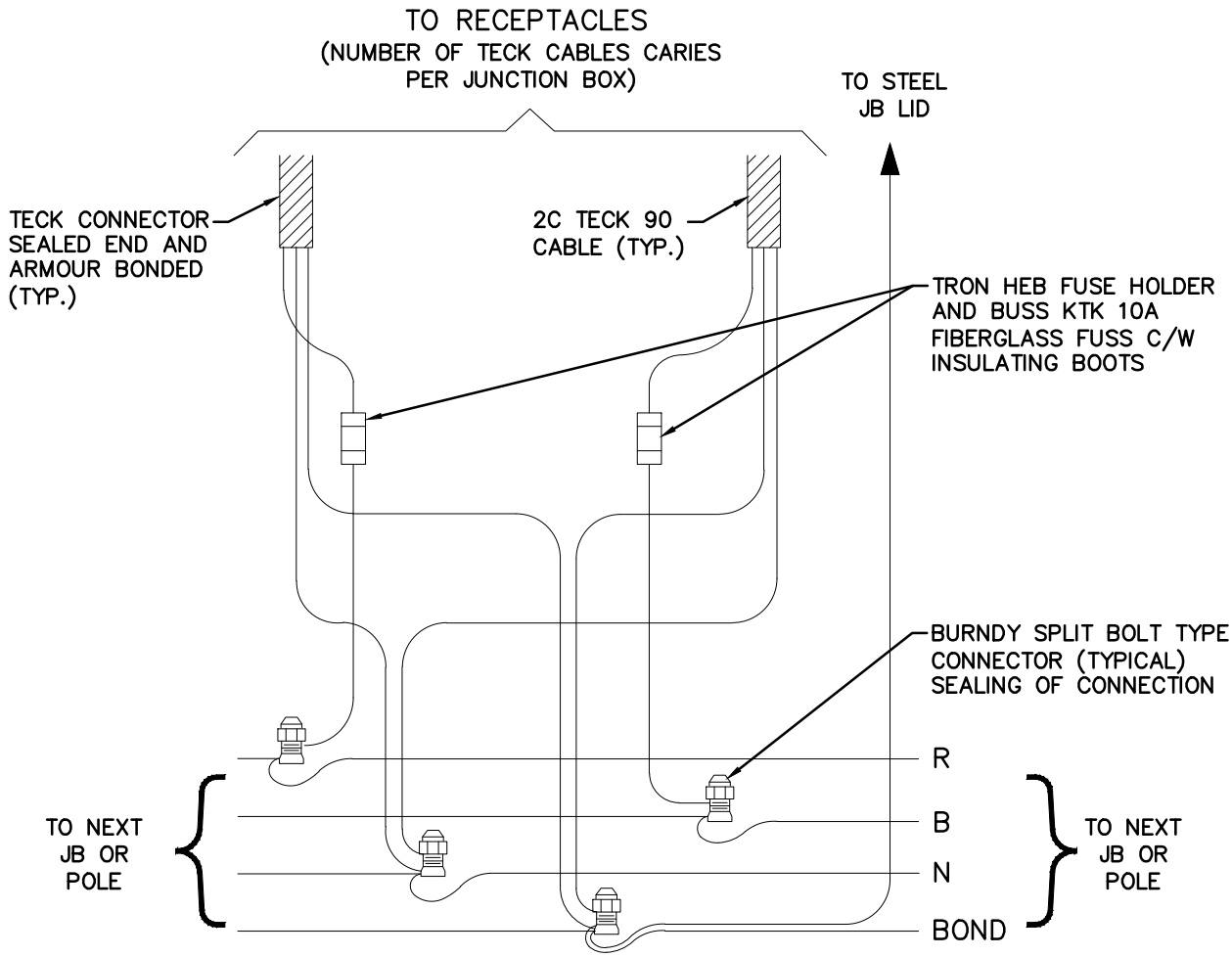


ELEVATION

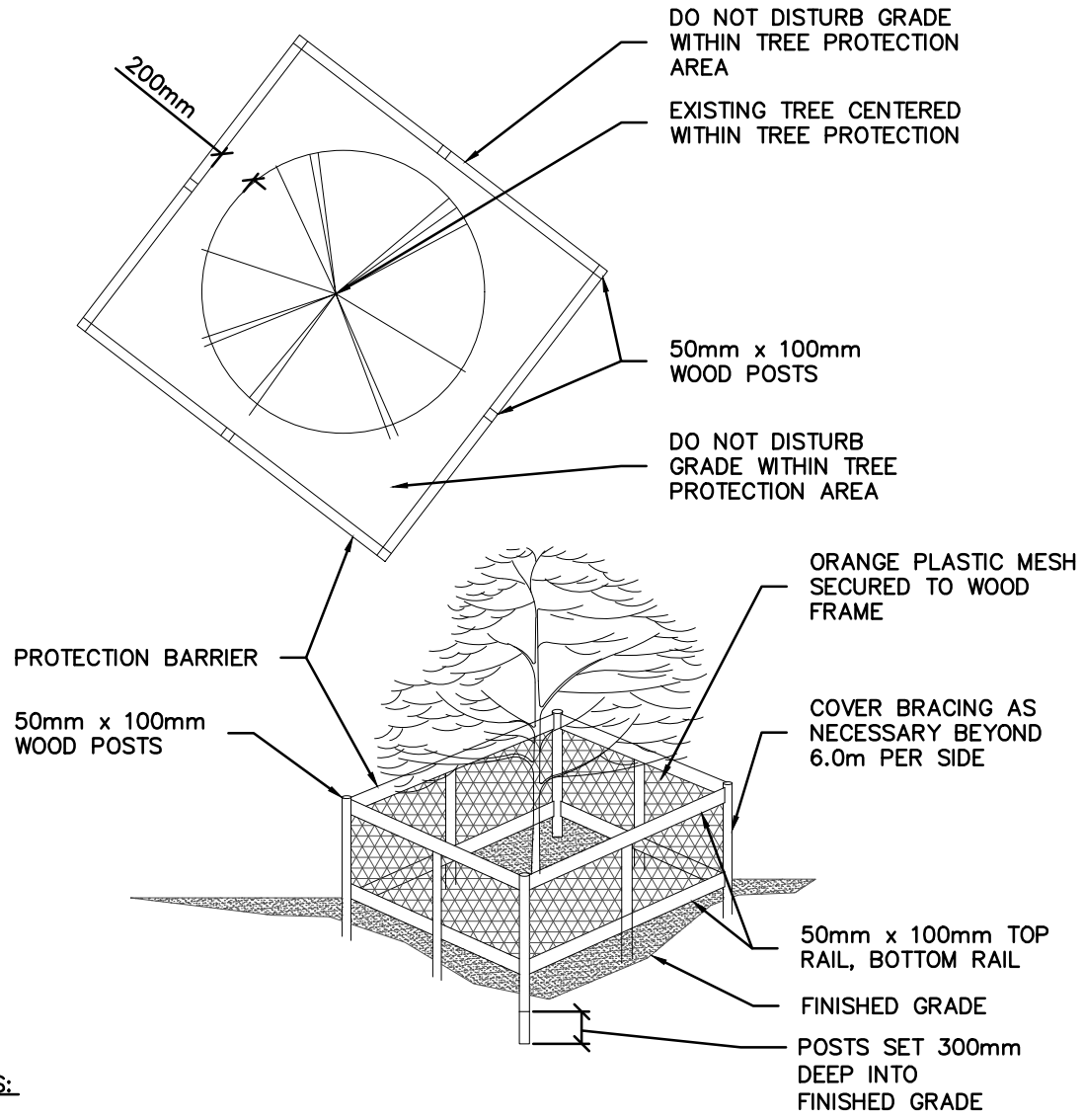
NOTES:

1. MAXIMUM LOAD ON TREE RECEPTACLES IS 100W.
2. CONDUIT SHOULD BE INSTALLED OUTSIDE OF THE PLANTING POCKET AREA.

			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **POWER RECEPTACLE FOR TREE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.12
		Scale: N.T.S Date: FEBRUARY, 2026	



			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **TYPICAL TREE RECEPTACLE SPLICING DETAIL IN JUNCTION BOX**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-EE.12.1
		Scale: N.T.S Date: FEBRUARY, 2026	



NOTES:

1. INSTALL TREE PROTECTION BARRIER BEFORE SITE CLEARING AND INITIATION OF CONSTRUCTION.
2. MAINTAIN TREE PROTECTION BARRIER DURING CLEARING AND SITE CONSTRUCTION.
3. KEEP AREA WITHIN OR AGAINST PROTECTION BARRIER CLEAR OF BUILDING MATERIALS, LITTER AND STANDING WATER.
4. DO NOT DISTURB EXISTING GRADES WITHIN TREE PROTECTION AREA FOR PROTECTED RETAINED TREES.
5. THE DEVELOPER IS RESPONSIBLE FOR MAINTENANCE WITHIN TREE PROTECTION BARRIER. DAMAGED TREES WILL BE REPLACED AT DEVELOPERS COST AND SUBJECT TO FINES ACCORDING TO DELTA'S TREE PROTECTION BYLAW.
6. ANY DISRUPTION OR PLANTING WITHIN TREE PROTECTION AREA IS TO BE SUPERVISED BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.
7. RETAINED TREES TO BE WATERED AT THE DIRECTION OF THE CONSULTING ARBORIST/LANDSCAPE ARCHITECT.
8. DAMAGED ROOTS OUTSIDE THE PROTECTION FENCING SHALL BE CUT BACK CLEANLY WITH LOPPERS OR PRUNING SAWS.
9. MINIMUM DISTANCE OF TREE PROTECTION FROM TREE TRUNK TO BE SET AT DRIPLINE OR 6X TREE DIAMETER. WHICHEVER IS GREATER.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TREE PROTECTION BARRIER**

Delta

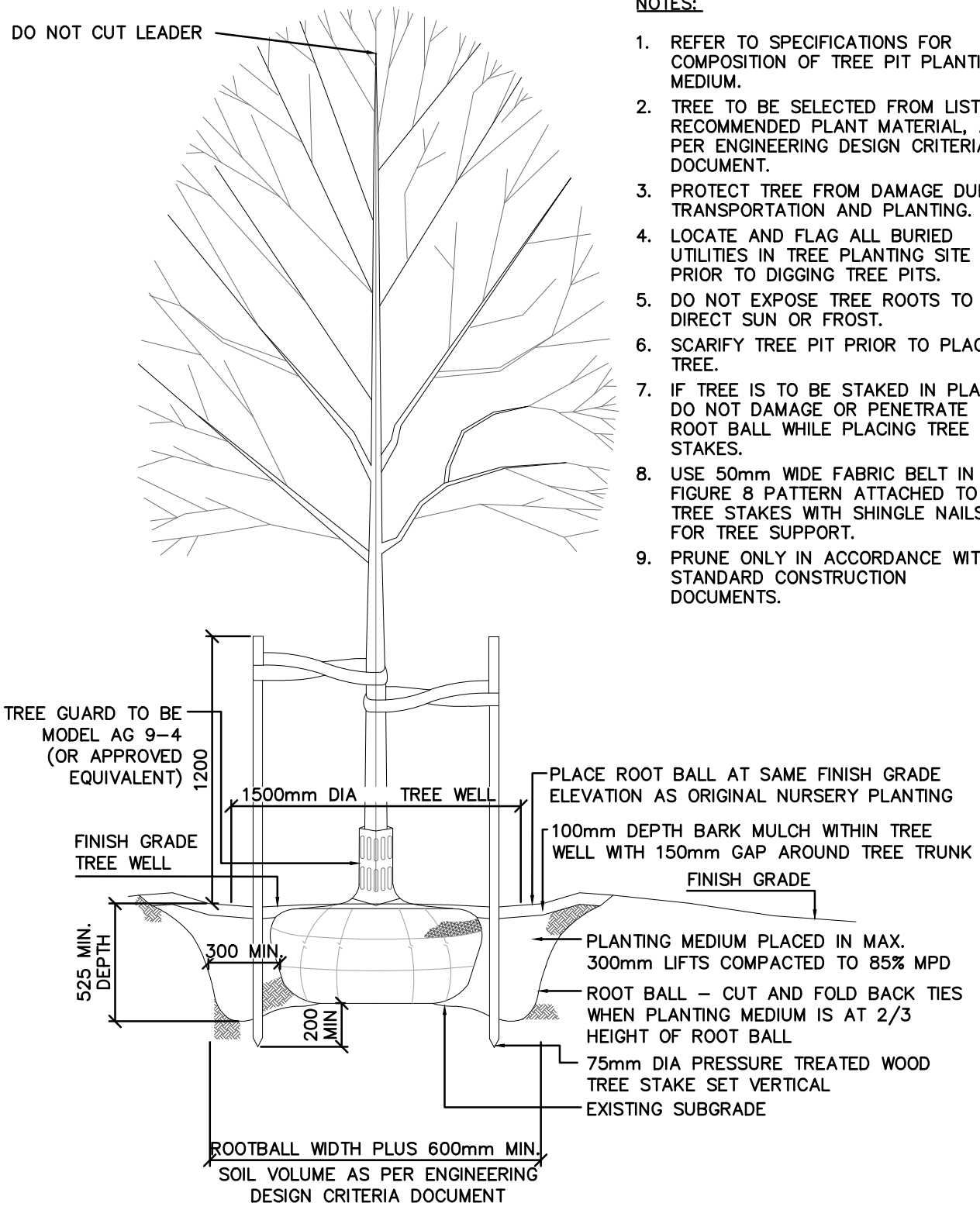
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-P.1



NOTES:

1. REFER TO SPECIFICATIONS FOR COMPOSITION OF TREE PIT PLANTING MEDIUM.
2. TREE TO BE SELECTED FROM LIST OF RECOMMENDED PLANT MATERIAL, AS PER ENGINEERING DESIGN CRITERIA DOCUMENT.
3. PROTECT TREE FROM DAMAGE DURING TRANSPORTATION AND PLANTING.
4. LOCATE AND FLAG ALL BURIED UTILITIES IN TREE PLANTING SITE PRIOR TO DIGGING TREE PITS.
5. DO NOT EXPOSE TREE ROOTS TO DIRECT SUN OR FROST.
6. SCARIFY TREE PIT PRIOR TO PLACING TREE.
7. IF TREE IS TO BE STAKED IN PLACE DO NOT DAMAGE OR PENETRATE ROOT BALL WHILE PLACING TREE STAKES.
8. USE 50mm WIDE FABRIC BELT IN FIGURE 8 PATTERN ATTACHED TO TREE STAKES WITH SHINGLE NAILS FOR TREE SUPPORT.
9. PRUNE ONLY IN ACCORDANCE WITH STANDARD CONSTRUCTION DOCUMENTS.

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **TREE PLANTING - RESIDENTIAL STREETS AND PARKS**

Delta

SUPPLEMENTARY STANDARD DRAWINGS

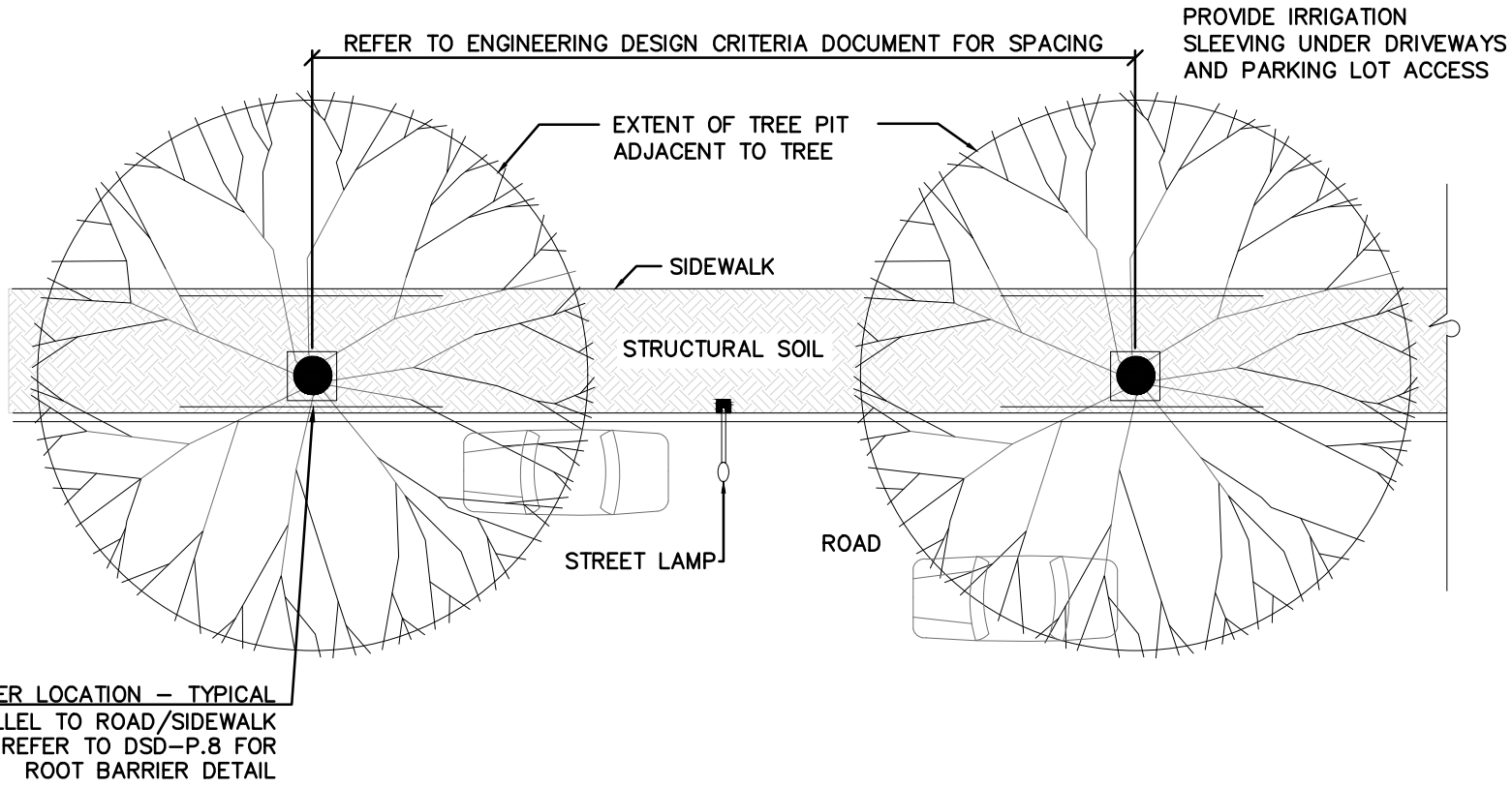
Approved By :

Scale: N.T.S

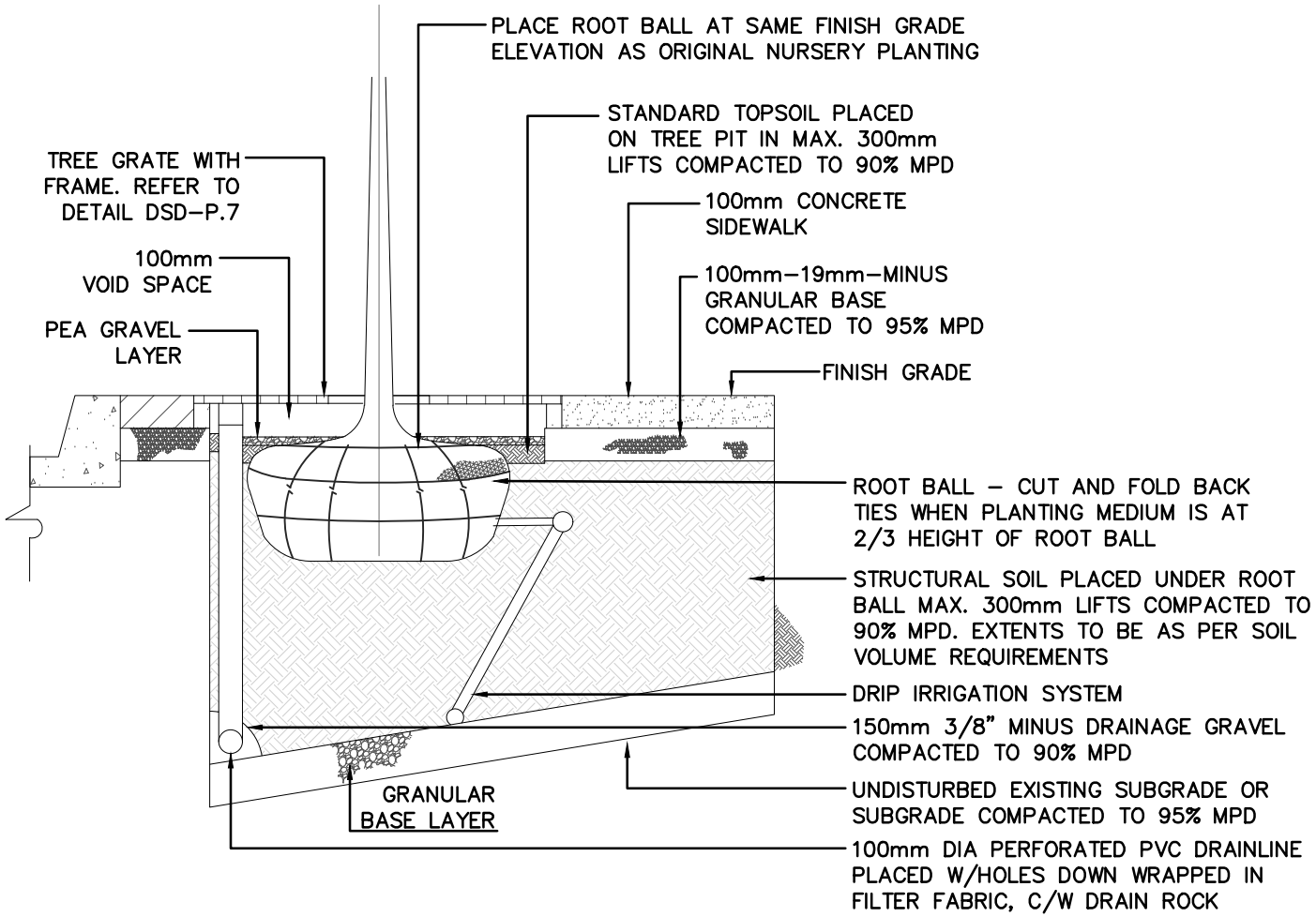
Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-P.2



			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **TREE PLANTING - STRUCTURAL SOIL IN COMMERCIAL AREAS**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-P.3



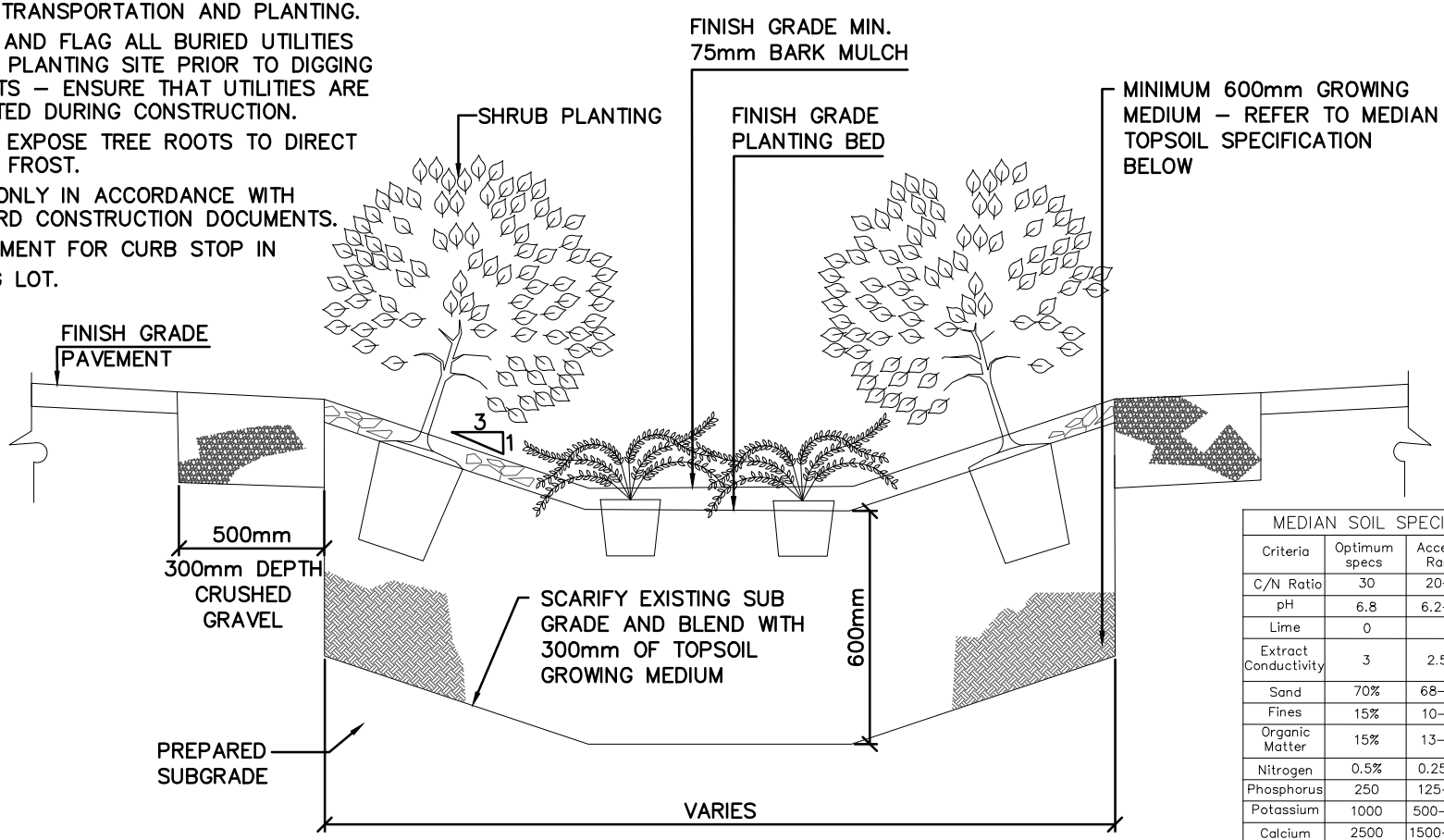
NOTES:

1. REFER TO DSD–EE.12 FOR POWER RECEPTACLE DETAIL.
2. REFER TO ENGINEERING DESIGN CRITERIA DOCUMENT FOR STRUCTURAL SOIL MIX.
3. SOIL MUST BE CONSISTENT AND ACHIEVE SOIL VOLUME TARGET.
4. TREE SPECIES MUST CONFORM TO THE CITY OF DELTA'S APPROVED SPECIES LIST AS PER ENGINEERING DESIGN CRITERIA DOCUMENT.
5. PROTECT TREE FROM DAMAGE DURING TRANSPORTATION AND PLANTING.
6. LOCATE AND FLAG ALL BURIED UTILITIES IN TREE PLANTING SITE PRIOR TO DIGGING TREE PITS – ENSURE THAT UTILITIES ARE PROTECTED DURING CONSTRUCTION.
7. DO NOT EXPOSE TREE ROOTS TO DIRECT SUN OR FROST.
8. IF TREE IS TO BE STAKED IN PLACE DO NOT DAMAGE OR PENETRATE ROOT BALL WHILE PLACING TREE STAKES.
9. PRUNE ONLY IN ACCORDANCE WITH STANDARD CONSTRUCTION DOCUMENTS.
10. ADD ROOT BARRIER AS REQUIRED AS PER DSD–P.8.

No.	Revision	Approved	All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **SECTION THROUGH TREE WELL**
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-P.4

NOTES:

1. PROTECT PLANT MATERIAL FROM DAMAGE DURING TRANSPORTATION AND PLANTING.
2. LOCATE AND FLAG ALL BURIED UTILITIES IN TREE PLANTING SITE PRIOR TO DIGGING TREE PITS – ENSURE THAT UTILITIES ARE PROTECTED DURING CONSTRUCTION.
3. DO NOT EXPOSE TREE ROOTS TO DIRECT SUN OR FROST.
4. PRUNE ONLY IN ACCORDANCE WITH STANDARD CONSTRUCTION DOCUMENTS.
5. REQUIREMENT FOR CURB STOP IN PARKING LOT.



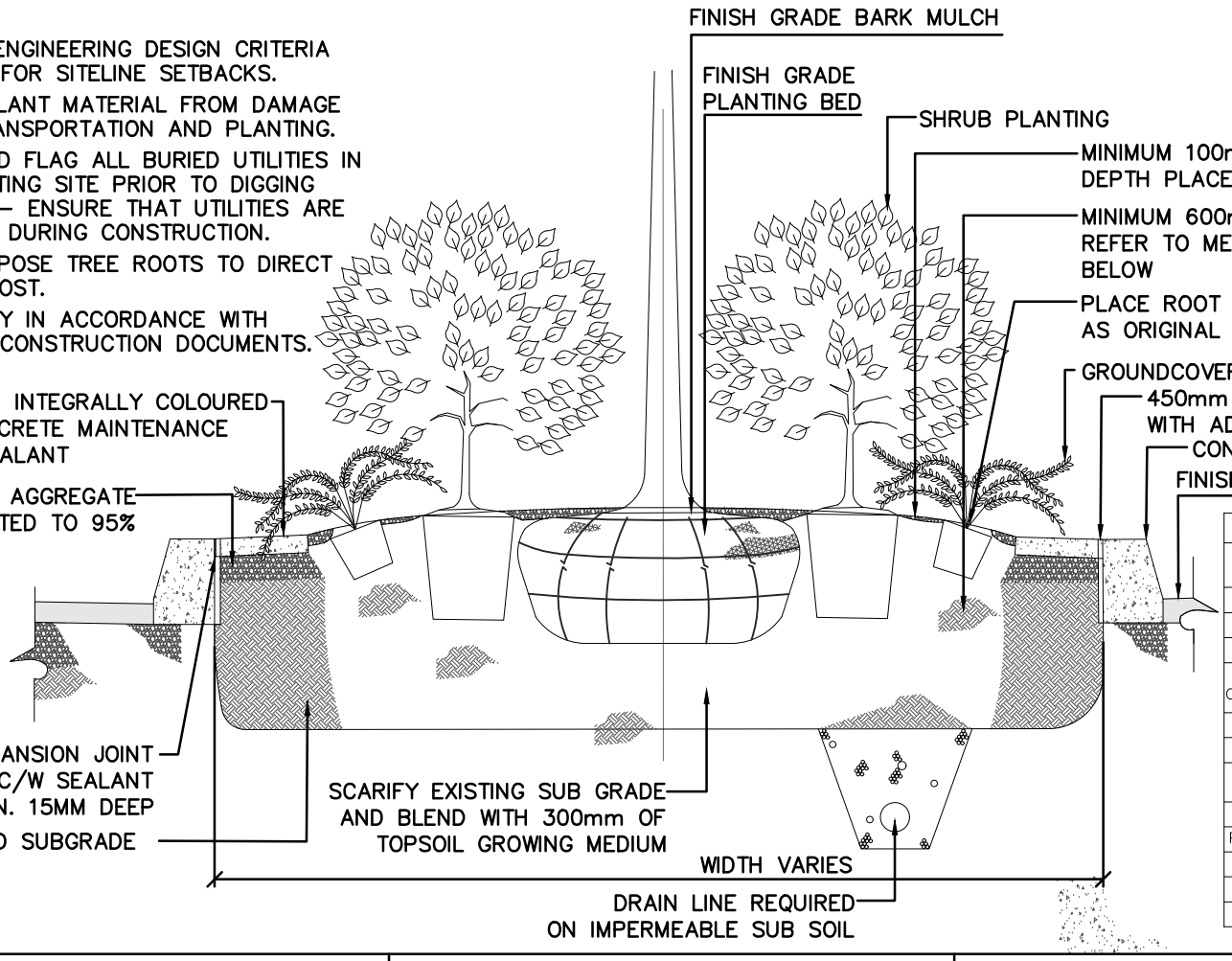
MEDIAN SOIL SPECIFICATIONS

Criteria	Optimum specs	Accepted Range	Notes
C/N Ratio	30	20–35	
pH	6.8	6.2–7.2	
Lime	0	0	
Extract Conductivity	3	2.5–5	If E.C. is over accepted amount then watering or rain over time is acceptable
Sand	70%	68–74%	
Fines	15%	10–19%	
Organic Matter	15%	13–20%	
Nitrogen	0.5%	0.25–1.0	
Phosphorus	250	125–300	
Potassium	1000	500–2000	
Calcium	2500	1500–3000	
Magnesium	325	200–400	

No.	Revision	Approved	All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **RAIN GARDEN**
Delta	SUPPLEMENTARY STANDARD DRAWINGS		Approved By :
			Scale: N.T.S Date: FEBRUARY, 2026
			DRAWING NUMBER DSD-P.5

NOTES:

1. REFER TO ENGINEERING DESIGN CRITERIA DOCUMENT FOR SITELINE SETBACKS.
2. PROTECT PLANT MATERIAL FROM DAMAGE DURING TRANSPORTATION AND PLANTING.
3. LOCATE AND FLAG ALL BURIED UTILITIES IN TREE PLANTING SITE PRIOR TO DIGGING TREE PITS – ENSURE THAT UTILITIES ARE PROTECTED DURING CONSTRUCTION.
4. DO NOT EXPOSE TREE ROOTS TO DIRECT SUN OR FROST.
5. PRUNE ONLY IN ACCORDANCE WITH STANDARD CONSTRUCTION DOCUMENTS.



MEDIAN SOIL SPECIFICATIONS

Criteria	Optimum specs	Accepted Range	Notes
C/N Ratio	30	20–35	
pH	6.8	6.2–7.2	
Lime	0	0	
Extract Conductivity	3	2.5–5	If E.C. is over accepted amount then watering or rain over time is acceptable
Sand	70%	68–74%	
Fines	15%	10–19%	
Organic Matter	15%	13–20%	
Nitrogen	0.5%	0.25–1.0	
Phosphorus	250	125–300	
Potassium	1000	500–2000	
Calcium	2500	1500–3000	
Magnesium	325	200–400	

No.	Revision	Approved

All Dimensions Shown In Millimetres, Unless Otherwise Noted

Title : **MEDIAN PLANTING - SECTION**

Delta

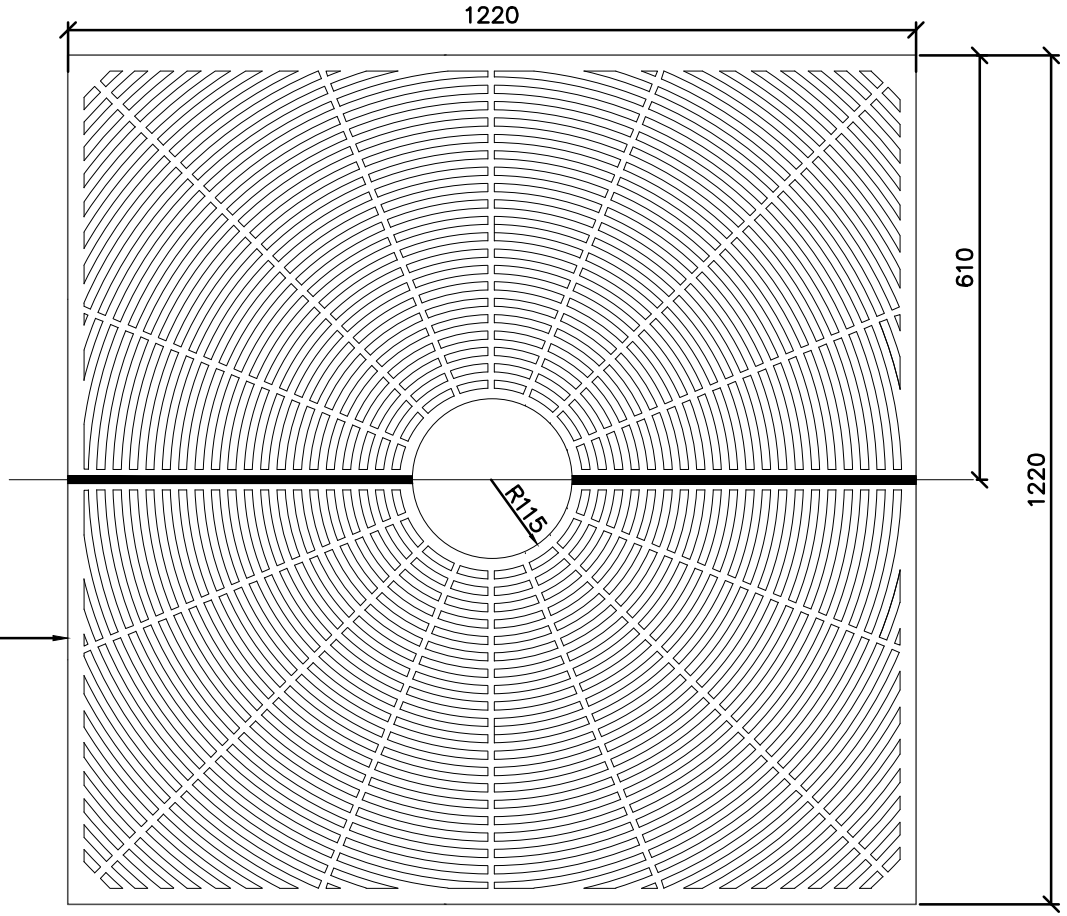
SUPPLEMENTARY STANDARD DRAWINGS

Approved By :

Scale: N.T.S Date: FEBRUARY, 2026

DRAWING NUMBER

DSD-P.6

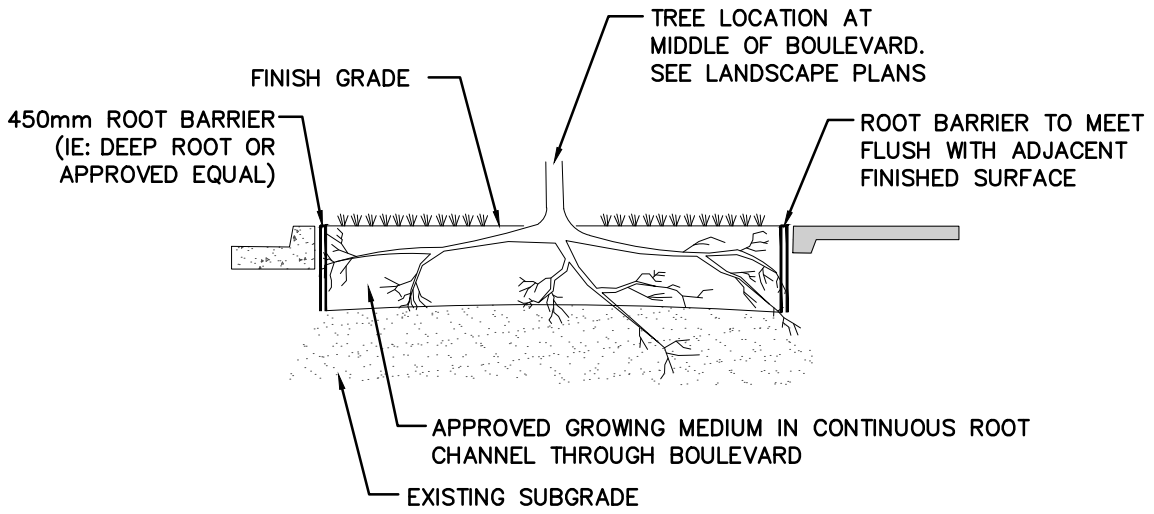


1220 X 1220mm IRON DOBNEY SP48 2–PIECE TREE GRATE OR PRE–APPROVED EQUAL. REFER TO MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION REQUIREMENTS

NOTE:

1. THIS TREE GRATE STYLE REFERS TO NON–DECORATIVE AREAS. FOR DECORATIVE TREE GRATES, PLEASE REFER TO DELTA'S "STREET FURNITURE LIST".

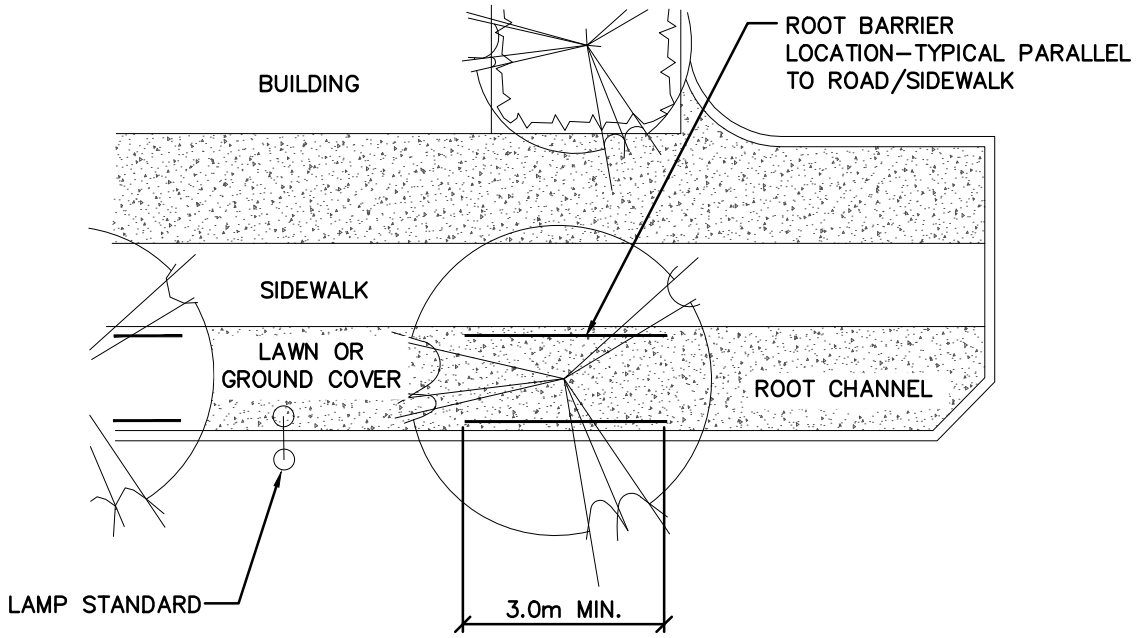
			All Dimensions Shown In Millimetres, Unless Otherwise Noted
			Title : **NON-DECORATIVE TREE GRATE**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-P.7
		Scale: N.T.S Date: FEBRUARY, 2026	



SECTION VIEW

NOTES:

1. ROOT BARRIERS TO ONLY BE USED WHEN TREE IS PLANTED WITHIN 3.0m OF HARD PAVED SURFACE i.e. ROAD, SIDEWALK, DRIVEWAY OR BUILDINGS. A ROOT CHANNEL IN THE BOULEVARD MUST BE PROVIDED FOR LATERAL ROOT GROWTH SEE BELOW.
2. ROOT BARRIER SHALL BE CONTINUOUS WHERE SPACE BETWEEN TWO ROOT BARRIER SEGMENTS ARE LESS THAN 3.0m.



PLAN VIEW

			All Dimensions Shown In Metres, Unless Otherwise Noted
			Title : **ROOT BARRIER**
No.	Revision	Approved	
Delta	SUPPLEMENTARY STANDARD DRAWINGS	Approved By :	DRAWING NUMBER DSD-P.8
		Scale: N.T.S Date: FEBRUARY, 2026	