

CITY OF
NEW WESTMINSTER

CITY OF NEW WESTMINSTER

SUPPLEMENTARY SPECIFICATIONS AND DETAIL DRAWINGS

#369463

June 26, 2023

AMENDMENT REGISTER				
Amendment No.	**Date**	**Amended Section**	**Amended Page**	**Description of Amendment**
8369	June 26, 2023	Section 3		Delete and replace Section 3 with new Supplementary Detail Drawings
8412	Sept. 11, 2023	All	All	In all headers where May 29, 2006 appears, delete and replace with March 12, 2007

TABLE OF CONTENTS

1. Supplementary Specifications – Additions, amendments and deletions to Specifications in the MMCD

2. List of Approved Materials and Products

3. Supplementary Detail Drawings

(a) Roads

Drawing No.	Title
SDR-1	Road Sections – Arterial Roads (4-Lane)
SDR-2	Road Sections – Arterial Roads (2-Lane)
SDR-3	Road Sections – Collector (City) Roads (4-Lane)
SDR-4	Road Sections – Collector (City) Roads (2-Lane)
SDR-5	Road Sections – Collector (Neighbourhood) Roads
SDR-6	Road Sections – Local Roads
SDR-7	Half Road Cross Section
SDR-8	Lane Cross Section
SDR-9	Boulevards – Boulevard Irrigation Line with Vault
SDR-10	Boulevards Drainage with Cleanout
SDR-11A	Tree Grate Detail
SDR-11B	Tree Grate Frame
SDR-12	Boulevard Cross Section for Grass and Concrete
SDR-13	Single Curb Ramp
SDR-14	Curb Ramp – Option 1
SDR-15	Curb Ramp – Option 2
SDR-16	Driveway Letdown
SDR-17A	Concrete Bus Pad Detail
SDR-17B	Bus Shelter Pad Details
SDR-18	Speed Hump
SDR-19	Turnaround

SDR-20	Turnaround Cul-de-Sac Bulb

(b) Sewers

Drawing No.	Title
SDS-1	Lot Grading Plan Requirements
SDS-2	Swale
SDS-3A	Typical Lot Service Connections (Separated Sewer)
SDS-3B	Typical Lot Service Connections (Combined Sewer)
SDS-4	Standard Side Inlet Catch Basin
SDS-5	Sandbag Type Culvert Headwall
SDS-6	Manhole Framing & Cover
SDS-7	Catch Basing Grate & Cover
SDS-8	Typical Forcemain Connection – Wet Tap Coring
SDS-9	Manhole for Sanitary Forcemain
SDS-10	Typical Sanitary Forcemain Connection P.L. Chamber
SDS-11	Cleanout Manhole for Sanitary Forcemain
SDS-12A	Private Pump System Configuration (Layout)
SDS-12B	Private Pump System Configuration (Detail)

(c) Water

Drawing No.	Title
SDW-1	Gate Valve Cover Installation
SDW-2	Water Meter for 19MM & 25MM Service Connection
SDW-3	Fire Domestic Split

This document contains additions, amendments, and deletions to the Master Municipal Construction Documents. Section 1 addresses Supplementary Specifications, Section 2 outlines a List of Approved Materials and Products outlining clarification as to acceptable types and manufacturers for materials, and Section 3 contains Supplementary Detail Drawings.

1. SUPPLEMENTARY SPECIFICATIONS

General		
1.0		The List of Approved Materials and Products shall take precedence over the Master Municipal Construction Documents and shall be read in conjunction with the Supplementary Specifications and Supplementary Detail Drawings.
Section 02666 – Waterworks		
Delete the following		
2.2.2		
2.2.3		
2.2.4.4		
2.2.4.5		
2.2.4.11		
2.3.2.3		
Add the following		
3.2.3	Connection to Existing Mains	The Consulting Engineer is responsible for bacteriological testing and review of the chlorination, flushing and pressure testing.
Section 02732 – Sewage Forcemains		
Delete the following		
2.2.2		
2.2.4		
2.2.5.4		
2.2.5.5		
2.2.5.11		
2.2.6		
2.2.7		
Add the following		
3.15	Pressure Testing	Minimum test pressure is 700 kPa.
Section 2721 – Storm Sewers		
Add the following		
3.18	Video	Mains must be lamp tested prior to video inspection with a

	Inspection	minimum of 75% of the pipe diameter exposed. Video inspection must be completed prior to acceptance of the works.
Section 2723 – Pipe Culverts		
Delete the following		
2.1		
Section 2731 – Sanitary Sewers		
Add the following		
3.12	Leakage Testing – General	Required tests: 1) exfiltration and/or infiltration (as directed by the Consultant); and 2) light; and 3) ball (as directed by the city)(final)
3.18	Video Inspection	Video inspection must be completed prior to the completion of the maintenance period.
Section 16550 – Electrical		
Add the following		
1.5	Contractor Qualifications and Personnel	.3 All electrical work shall be undertaken by a registered electrical contractor with a valid City of New Westminster business license. Contractor shall be responsible for obtaining all electrical permits, arrange for all electrical utility disconnects and connections, and notify the City of New Westminster Electrical Operations Department of the proposed scheduling. .4 All traffic signal installation work shall be undertaken under the direct supervision of a qualified signal superintendent who must be on-site at all times when work is taking place, and have an alternate when superintendent is not on site. .5 As a minimum the signal superintendent shall have IMSA Level 1 Signals Certification and/or have completed at least 3 similar signal projects.
1.11	Work Schedule	.1 The Contractor shall submit for approval to the City Representative prior to commencement of construction a schedule of work setting out the order in which he/she intends to undertake the work. The City Representative may specify the order of work or alter the schedule of work as submitted by the Contractor at any time during the term of the contract. .2 The Contractor shall arrange a pre-construction meeting with

		the City Representative prior to construction. .3 The Contractor shall not receive the "Notice to Proceed" until the Schedule of Work is submitted to the City Representative.
2.0 Products		
Add the following		
2.1	General	.6 The City will supply and install the traffic controller and cabinet. .7 The City will supply the Contractor, free of all charges, the following: a) Street name signs; b) Padlocks. This equipment will be made available to the Contractor at the City Works Yard. The Contractor shall make all arrangements and pay all costs necessary for the collection of the materials and its delivery to the job site. The Contractor shall assume responsibility for all materials from the time they are picked up and shall provide suitable storage and protection for these materials until they are installed. At the time the materials are picked up, the Contractor shall complete a Materials Release Form, and shall check the quantities and verify the correctness of the materials supplied. Any discrepancies or shortages shall be reported immediately to the City Representative. The Contractor shall give the City Representative a minimum of 7 days notice (in writing) prior to the time the equipment is required.
3.0 Execution		
Delete the following		
3.15	Traffic Controller	.1 through .8
Add the following		
3.15	Traffic Controller	.1 The City of New Westminster shall install the traffic controller cabinet on the concrete base. .2 Contractor to ensure that all conductors and loop cables have a length that can be extended 2m above the cabinet base. All conductors to be coiled in main vault prior to City of New Westminster installing cabinet. .3 Prior to installation of the cabinet by the City of New Westminster, the Contractor shall flash all signal and pedestrian displays. Contractor to also verify continuity of each push button circuit (with pedestrian button depressed).

Add the following		
3.19	Grounding	.5 All poles shall be grounded by way of a 20mm x 3.0m long galvanized ground rod.

2. LIST OF APPROVED MATERIALS AND PRODUCTS

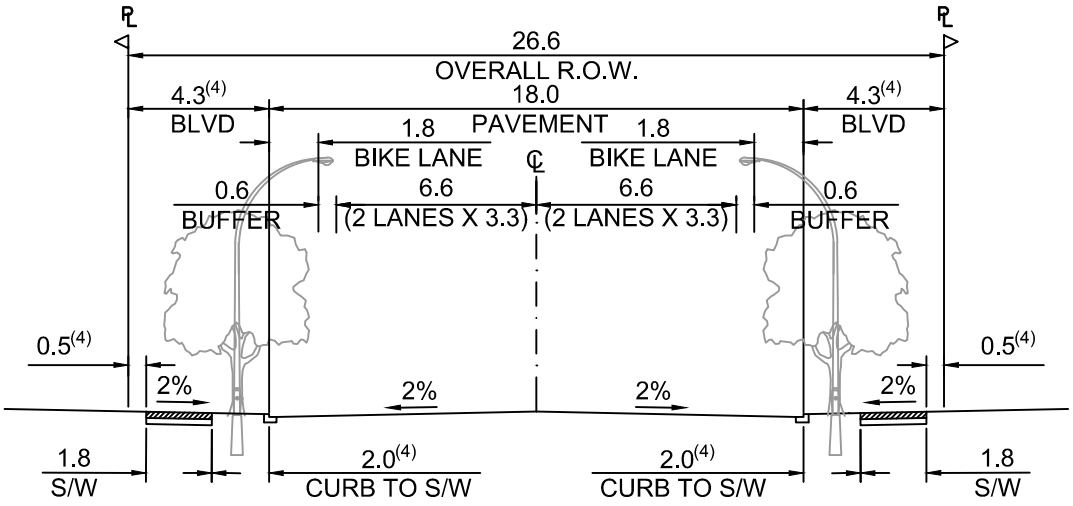
Products	Manufacturers and/or Distributors	Specification	Exceptions
Section 02666 – Waterworks **Section 02732 – Sewer Forcemains**			
Mainline Pipe and Fittings	No restrictions	Only ductile iron pipe and cast iron/ductile iron fittings are permitted	
Gate Valves	No restrictions	Only AWWA C500 wedge valves are permitted	
Hydrants	Terminal City	TC1 painted red or approved equal	
Section 02721 – Storm Sewers **Section 02723 – Pipe Culverts**			
Non-reinforced Concrete Pipe	No restrictions	- 150mm to 375mm ONLY - Minimum Class 3	
Reinforced Concrete Pipe	No restrictions	- 450mm and larger pipe ONLY - Minimum Class III	
PVC Pipe and fittings	No restrictions	Up to 300mm ONLY	
Section 02731 – Sanitary Sewers			
Non-reinforced Concrete Pipe	No restrictions	200mm and 250mm ONLY	
Reinforced Concrete Pipe	No restrictions	- 300mm and larger pipe ONLY - minimum Class II	
PVC Pipe and fittings	No restrictions	Up to 300mm ONLY	
Drawing S9 - Inspection Chamber	No restrictions	Contractor to remove factory installed plug and place in the upstream end of a plain end pipe stub installed on the upstream side of the inspection chamber.	

Section 02725 – Manholes and Catchbasins			
Manholes	No restrictions	Only precast manholes are permitted with galvanized steps	
Section 16550 – Electrical			
Products	**Manufacturers and/or Distributors**	**Specification**	**Exceptions**
Cobra Head Luminaires	No restrictions	M.o.T. (Flat Glass)	High Pressure Sodium or Pulse Start Metal Halide as Noted on Contract Drawings
HID Lamps	No restrictions	M.o.T.	
Concrete Junction Boxes	No restrictions	M.o.T.	Labelled "ELEC."
Plastic Junction Boxes	West Coast Eng.	Model No. WCE 1324	Plastic Lid
Poles, Service Bases and Anchor Bolts	No restrictions	M.o.T./MMCD	
Signal and Pedestrian Heads	No restrictions	M.o.T.	Aluminum
LED Displays	No restrictions	M.o.T.	
LED Pedestrian Displays	No restrictions		
Overhead Adjustable Brackets	No restrictions	"Astro" Bracket	
Spring Cushion Hangers	No restrictions	M.o.T.	
Side Mount Brackets	No restrictions	M.o.T.	
Pedestrian Pushbuttons	No restrictions	Bull Dog c/w LED & Globe Sign Unit	Black on Yellow
Service Panels	No restrictions	City of New Westminster/MMCD	No Contactor and Bypass Switch

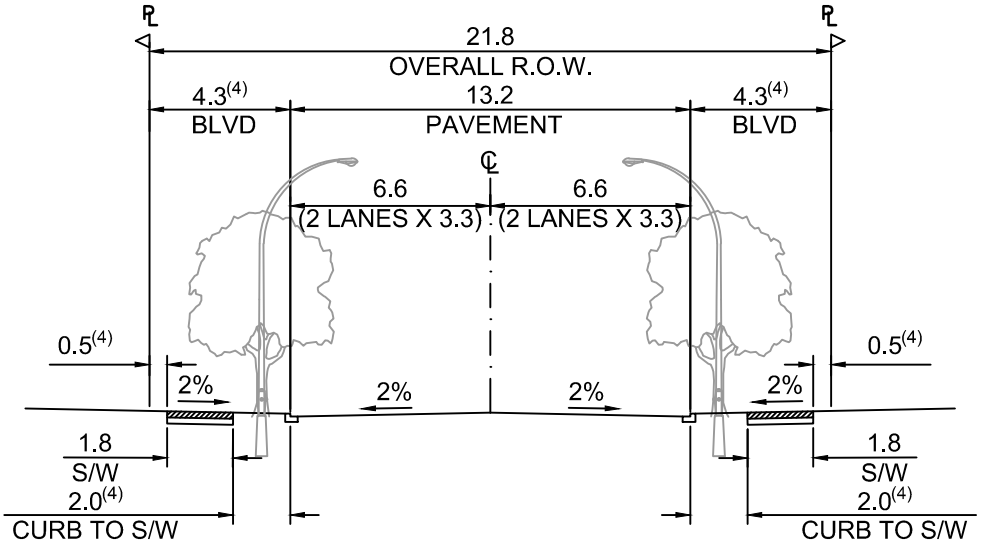
Audible Signals	No restrictions	DS2000	
Signal Cables	No restrictions	CLMTO	
Safety Cable	No restrictions	No. 3 Loop-end	
Illuminated Pedestrian X-Walk Signs	No restrictions	M.o.T.	Down Light to be 150W M.H. Pulse Start Ballast and Lamp

BYLAW NO. 8369, 2023

3. SUPPLEMENTARY DETAIL DRAWINGS



4 LANE WITH BIKE LANES



4 LANE WITHOUT BIKE LANES

SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
400mm 75mm CRUSHED GRANULAR SUBBASE	150mm 19mm CRUSHED GRANULAR BASE	75mm SUPERPAVE (19mm)	50mm SUPERPAVE (12.5mm)

NOTES:

1. CURB AND GUTTER TO BE MMCD CURB TYPE C4
2. SIDEWALK WIDTH VARIES DEPENDING ON LAND USE DESIGNATION (MINIMUM 1.8M WIDE). REFER TO DESIGN CRITERIA.
3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS
4. BOULEVARD WIDTH MAY VARY AT DISCRETION OF DIRECTOR OF ENGINEERING

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

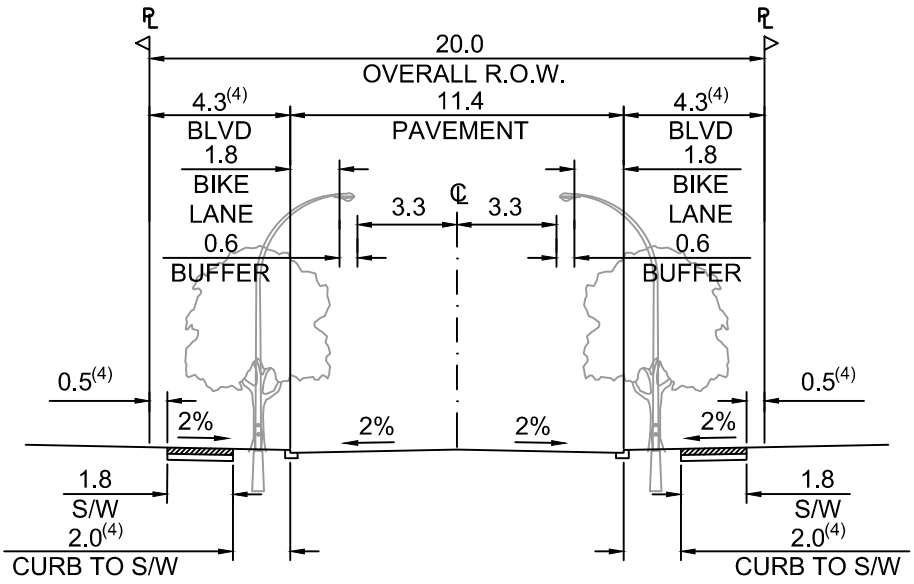
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ROAD SECTIONS - ARTERIAL ROADS (4-LANE)

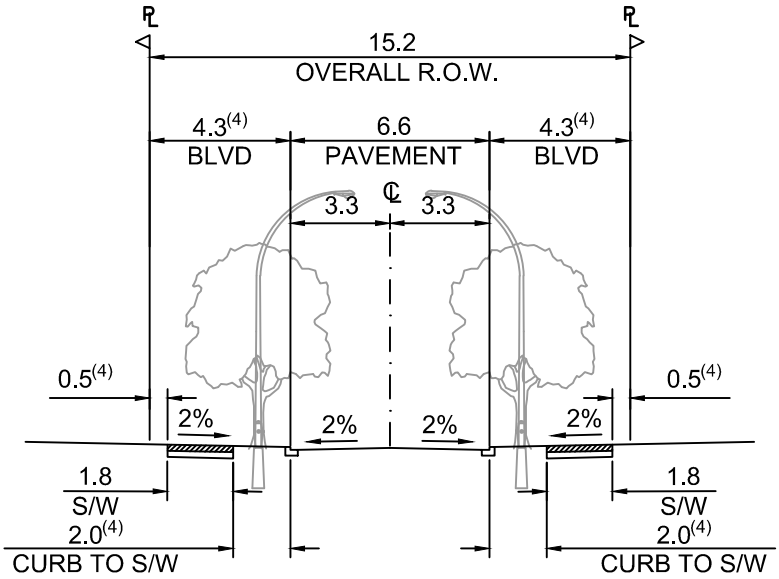
NEW WESTMINSTER

Suppl. Drawing No. SDR-1

May 15 2023 - 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-1 - Roadways.dwg/ROAD SECTIONS - ARTERIAL ROADS (4-LANE) GLazareva



2 LANE WITH BIKE LANES



2 LANE WITHOUT BIKE LANES

SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
400mm 75mm CRUSHED GRANULAR SUBBASE	150mm 19mm CRUSHED GRANULAR BASE	75mm SUPERPAVE (19mm)	50mm SUPERPAVE (12.5mm)

NOTES:

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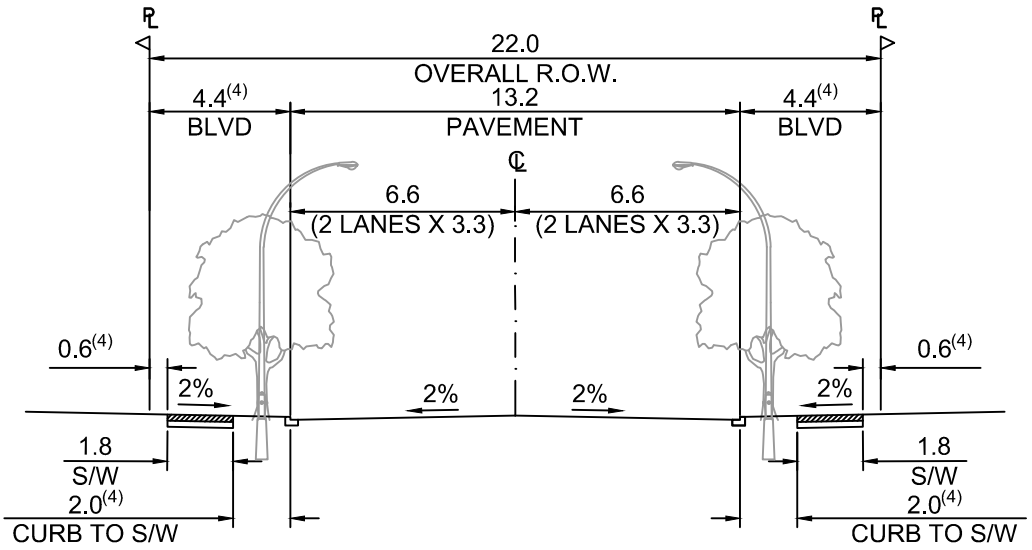
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ROAD SECTIONS - ARTERIAL ROADS (2-LANE)

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Suppl. Drawing No. SDR-2

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SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
300mm 75mm SELECT GRANULAR SUBBASE	125mm 19mm CRUSHED GRANULAR BASE	60mm LOWER COURSE 1	40mm UPPER COURSE 1

NOTES:

1. CURB AND GUTTER TO BE MMCD CURB TYPE C4
2. SIDEWALK WIDTH VARIES DEPENDING ON LAND USE DESIGNATION (MINIMUM 1.8M WIDE). REFER TO DESIGN CRITERIA.
3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS
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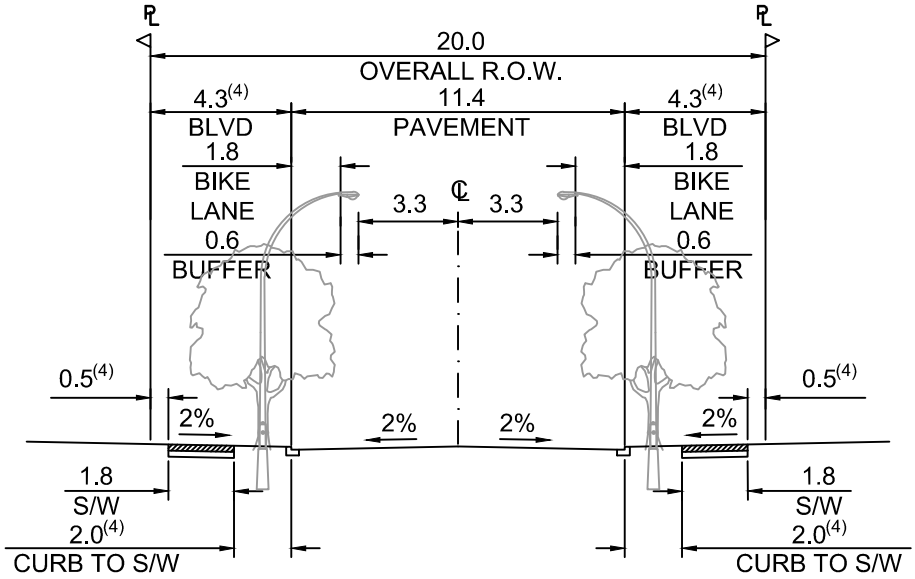
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ROAD SECTIONS - COLLECTOR (CITY) ROADS (4-LANE)

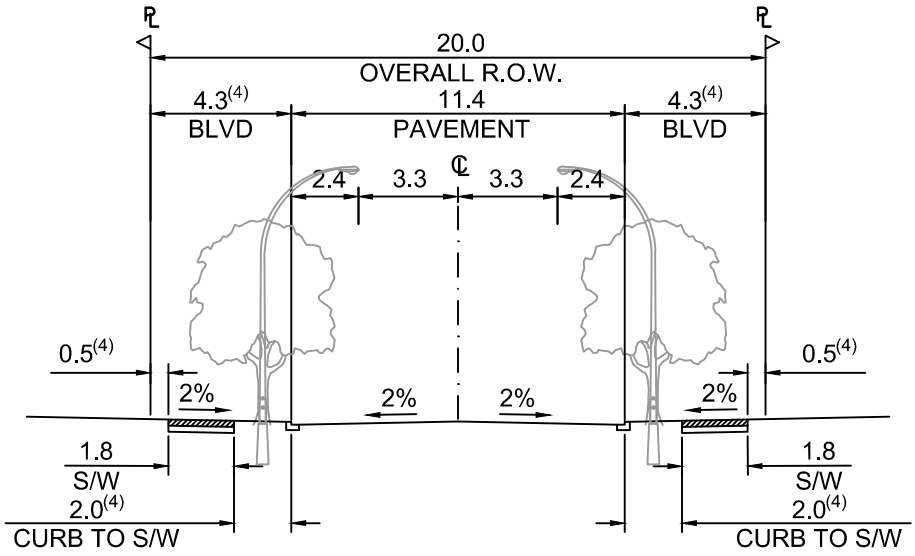
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Suppl. Drawing No. SDR-3

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2 TRAVEL LANES + 2 BIKE LANES



2 TRAVEL LANES + 2 PARKING LANES

SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
300mm 75mm SELECT GRANULAR SUBBASE	125mm 19mm CRUSHED GRANULAR BASE	60mm LOWER COURSE 1	40mm UPPER COURSE 1

NOTES:

1. CURB AND GUTTER TO BE MMCD CURB TYPE C4
2. SIDEWALK WIDTH VARIES DEPENDING ON LAND USE DESIGNATION (MINIMUM 1.8M WIDE). REFER TO DESIGN CRITERIA.
3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS
4. BOULEVARD WIDTH MAY VARY AT DISCRETION OF DIRECTOR OF ENGINEERING

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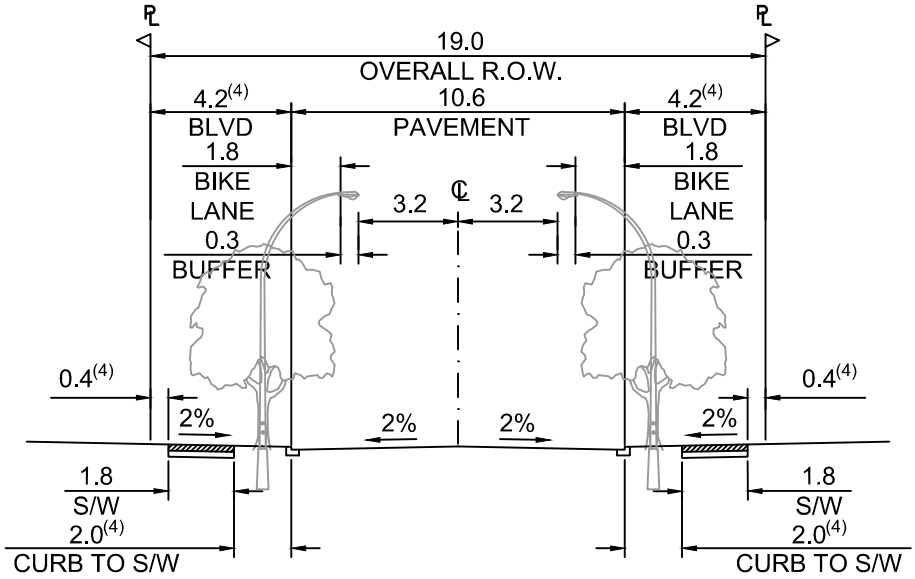
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ROAD SECTIONS - COLLECTOR (CITY) ROADS (2-LANE)

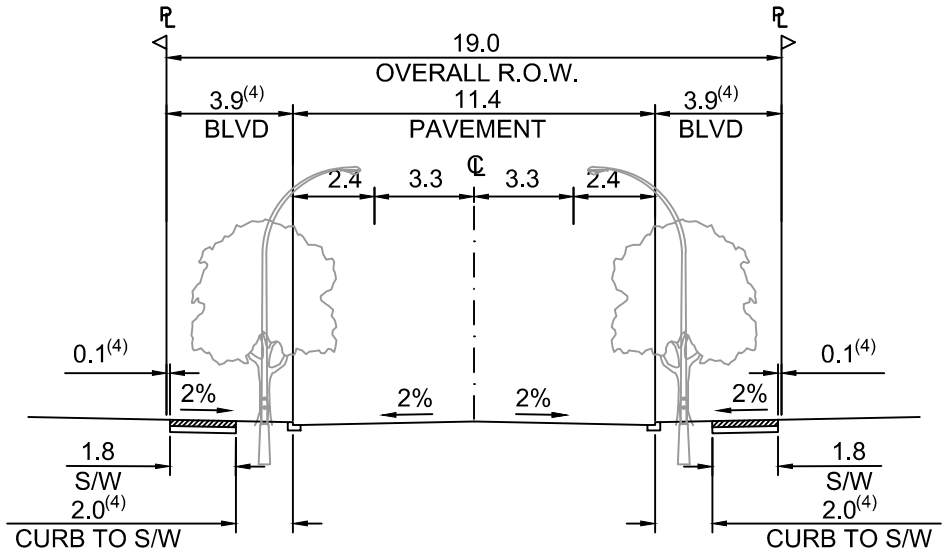
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Suppl. Drawing No. SDR-4

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2 TRAVEL LANES + 2 BIKE LANES



2 TRAVEL LANES + 2 PARKING LANES

SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
300mm 75mm SELECT GRANULAR SUBBASE	125mm 19mm CRUSHED GRANULAR BASE	60mm LOWER COURSE 1	40mm UPPER COURSE 1

NOTES:

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3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS
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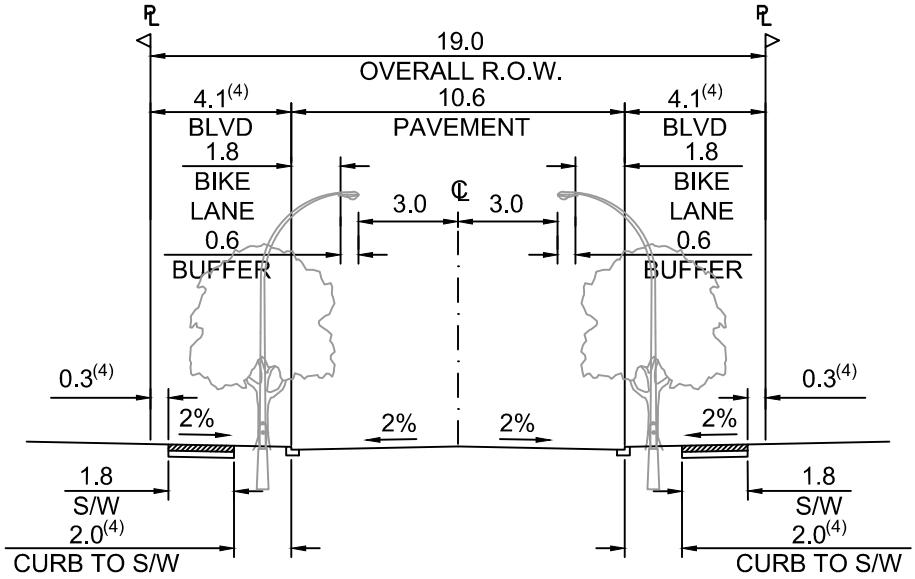
Title:

ROAD SECTIONS - COLLECTOR (NEIGHBOURHOOD) ROADS

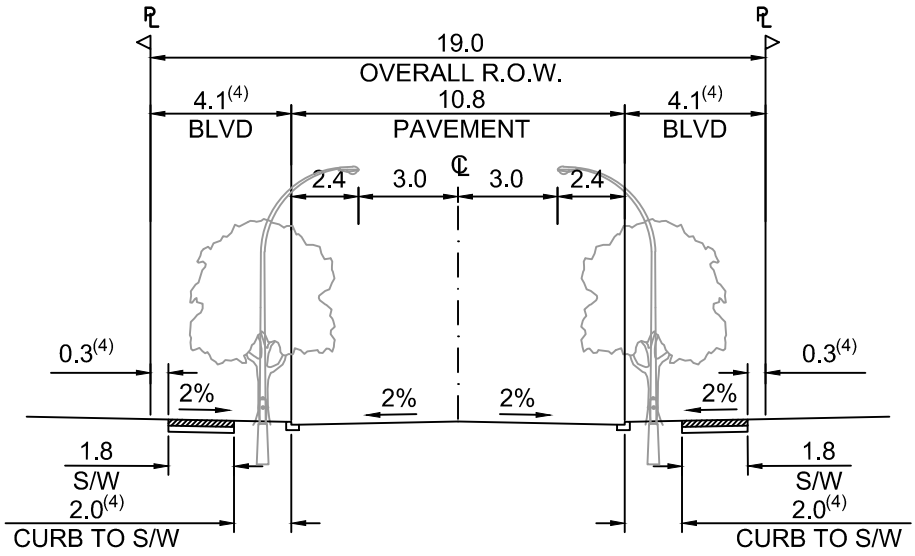
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Suppl. Drawing No. SDR-5

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2 TRAVEL LANES + 2 BIKE LANES



2 TRAVEL LANES + 2 PARKING LANES

SUBBASE COURSE	BASE COURSE	LOWER COURSE ASPHALT	UPPER COURSE ASPHALT
300mm 75mm SELECT GRANULAR SUBBASE	100mm 19mm CRUSHED GRANULAR BASE	45mm LOWER COURSE 2	40mm UPPER COURSE 2

NOTES:

1. CURB AND GUTTER TO BE MMCD CURB TYPE C4
2. SIDEWALK WIDTH VARIES DEPENDING ON LAND USE DESIGNATION (MINIMUM 1.8M WIDE). REFER TO DESIGN CRITERIA.
3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS
4. BOULEVARD WIDTH MAY VARY AT DISCRETION OF DIRECTOR OF ENGINEERING

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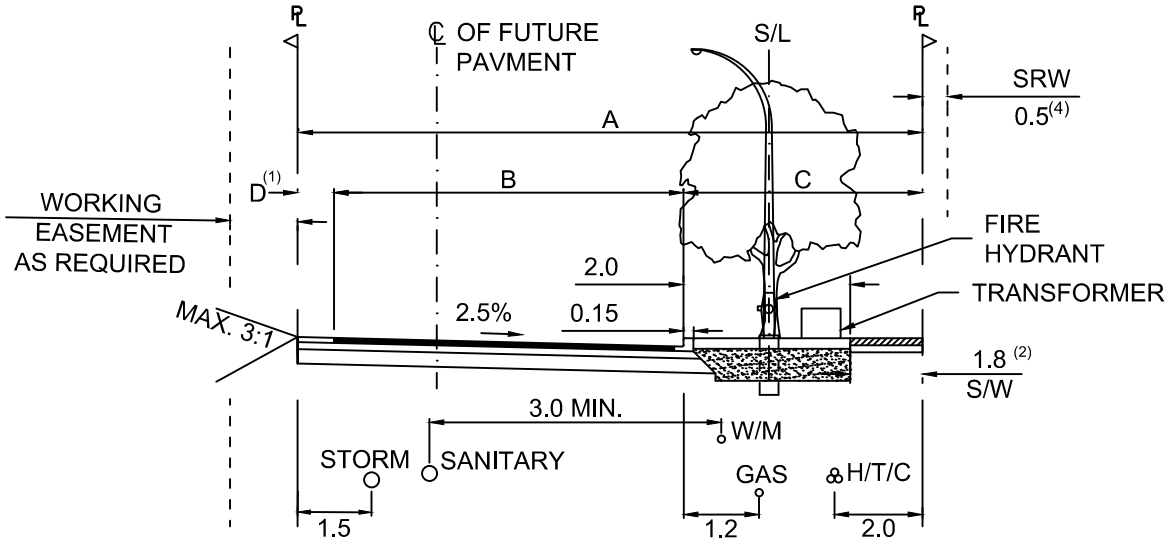
Title:

ROAD SECTIONS - LOCAL ROADS

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Suppl. Drawing No. SDR-6

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	ROAD ALLOWANCE	PAVEMENT	BOULEVARD	SHOULDER
ROAD CLASS	A	B	C	D
LOCAL	10.3	6.0	3.8	0.5
COLLECTOR (CITY) 4-LANE	10.9	6.6	3.8	0.5
COLLECTOR (CITY) 2-LANE	10.9	6.6	3.8	0.5
COLLECTOR (NEIGHBOURHOOD) WITH BIKE LANES	10.7	6.4	3.8	0.5
COLLECTOR (NEIGHBOURHOOD) WITH PARKING LANES	10.7	6.4	3.8	0.5

NOTE:

1. CURB AND GUTTER TO BE MMCD CURB TYPE C4
2. SIDEWALK WIDTH VARIES DEPENDING ON LAND USE DESIGNATION (MINIMUM 1.8m-WIDE). REFER TO DESIGN CRITERIA.
3. REFER TO DESIGN CRITERIA FOR ROAD STRUCTURE MINIMUM REQUIREMENTS.
4. HALF ROAD SHALL REFLECT THE ULTIMATE ROAD CROSS SECTION.
5. HALF ROAD SHALL INCLUDE UTILITIES AND UNDERGROUND WIRING AS REQUIRED.

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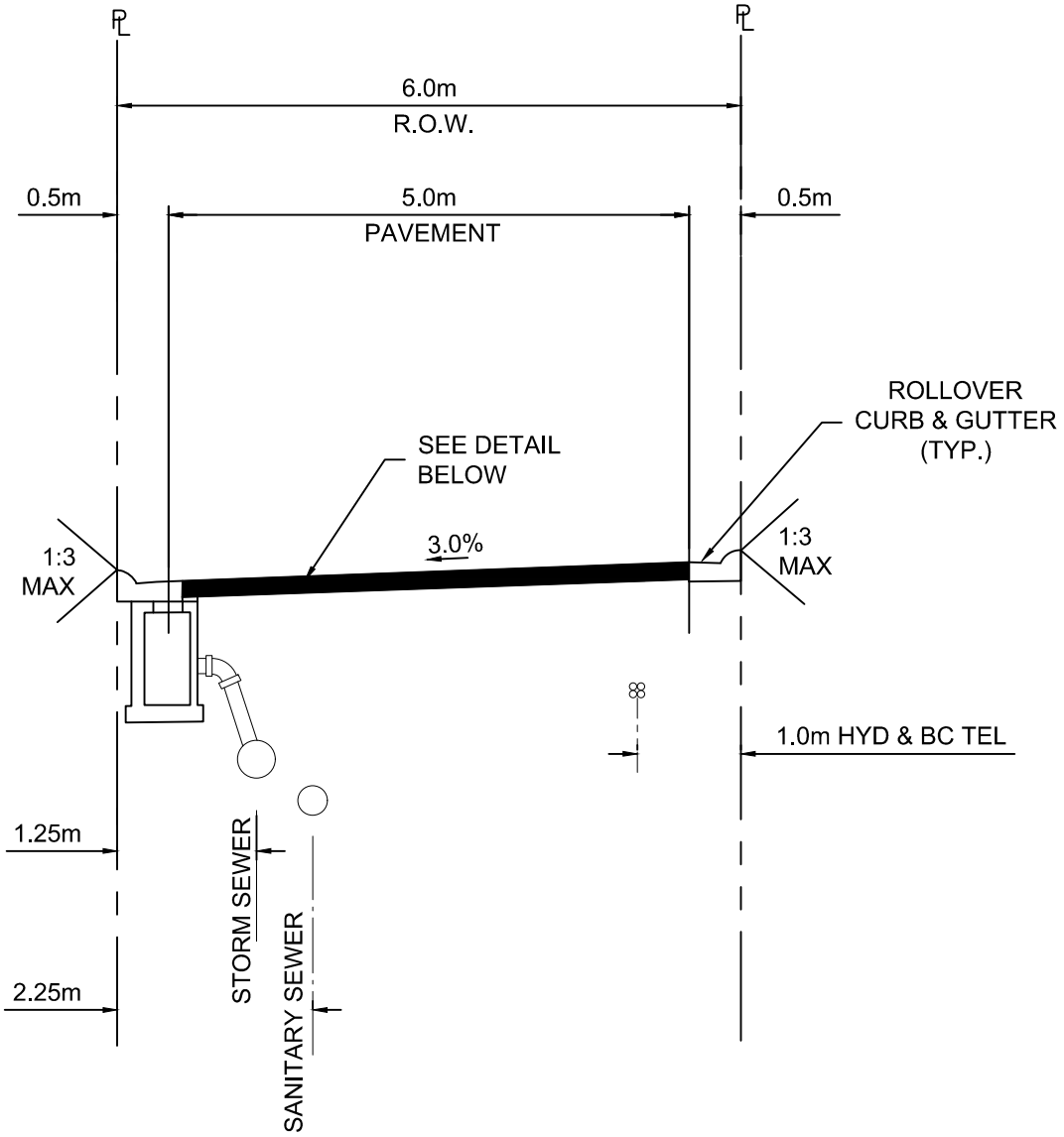
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HALF ROAD CROSS SECTION

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Suppl. Drawing No. SDR-7

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NOTES:

1. THE STRUCTURAL ROAD ELEMENTS SHOWN ARE THE MINIMUM REQUIREMENTS. BENKELMAN BEAM TEST RESULTS OR AN EQUIVALENT TECHNIQUE SHALL BE USED TO DESIGN THE ROAD STRUCTURE.
2. ALL THE INTERSECTION RADII SHALL BE 7.5m, UNLESS OTHERWISE SPECIFIED.
3. WHEN INFILLING EXISTING DITCHES OR CONSTRUCTION SERVICES IN FILL SECTIONS, FILL MATERIAL TO BE 100mm PIT RUN GRAVEL COMPACTED TO 95% MODIFIED PROCTOR.
4. BOULEVARD X-FALL TO BE 1:40 EXCEPT IN AREAS OF LARGE CUTS OR FILLS, WHERE SPECIAL BOULEVARD DESIGN SHALL BE REQUIRED.

No.	Revision	Approved

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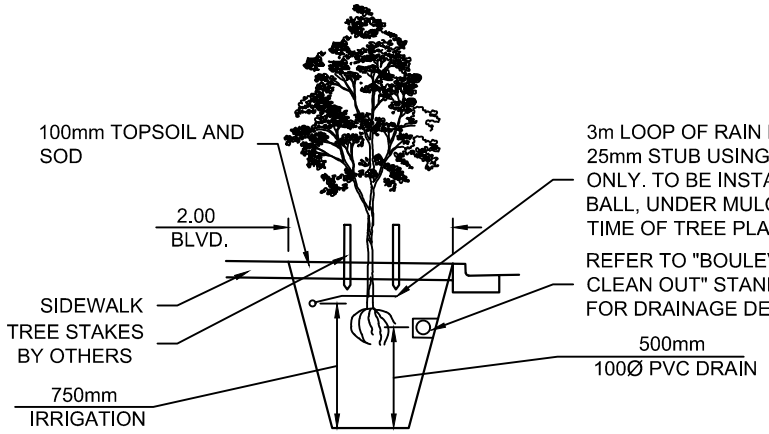
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LANE CROSS SECTION

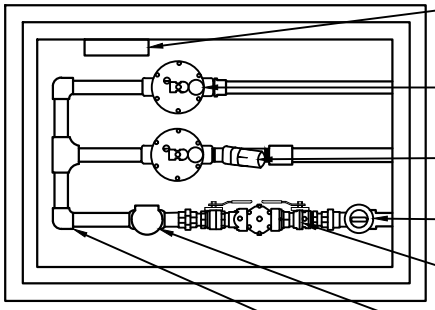
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Suppl. Drawing No. SDR-8

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IRRIGATION LINE DETAIL



TOP VIEW

RAIN BIRD T-BOS CONTROL MODULE WITH LATCHING D.C. SOLENOIDS (NOT SHOWN). MODULE TO BE MOUNTED TO INSIDE OF VAULT 10CM BELOW LID. ALL WIRE CONNECTIONS TO BE IN WATERPROOF CONNECTORS. ALL WIRING (NOT SHOWN) TO BE NEATLY BUNDLED.

TYPICAL SPRAY/ROTOR ZONE VALVE INSTALLATION RAIN BIRD 100 DVF SOLENOID VALVE.

TYPICAL DRIP ZONE VALVE INSTALLATION. RAIN BIRD 100 LFV SOLENOID VALVE WITH 30PSI PRESSURE REDUCING FILTER INSTALLED TO ALLOW FOR EASY SERVICE.

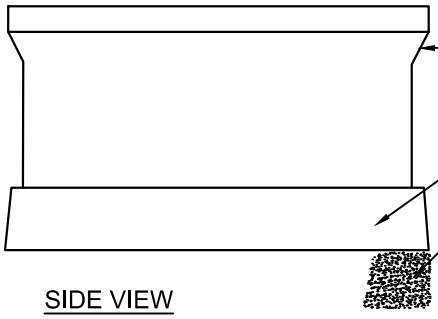
CURB STOP VALVE

75mm WATTS 007 DOUBLE CHECK VALVE ASSEMBLY INSTALLED WITH BRASS UNIONS TO ALLOW FOR EASY REMOVAL. PRESSURE REDUCER TO BE INSTALLED BETWEEN CHECK ASSEMBLY AND QUICK COUPLING VALVE IF PRESSURE AT CURB STOP EXCEEDS 75 PSI.

RAIN BIRD 3RC QUICK COUPLING VALVE ON BRASS FITTINGS

ALL FITTINGS FROM CURB STOP TO THIS FITTING TO BE BRASS. FROM THIS POINT TO SOLENOID VALVES TO BE SCHEDULE 80 PVC. FROM SOLENOID VALVES TO FIELD TO BE SCHEDULE 40 PVC.

- ALL HOLES IN VAULT TO BE GROUTED CLOSED
- ALL PIPE AND FITTINGS TO BE ARRANGED FOR EASY REPAIR AND SERVICE
- ALL PLUMBING FITTINGS AND TECHNIQUES TO MEET CNW STANDARDS
- PIPE DEPTH IN VAULT NOT TO EXCEED 80CM.



SIDE VIEW

5686 SERVICE BOX
PRE-CAST BASE
VAULT TO BE SET ON 150mm OF 75mm CLEAR CRUSH

VAULT ROUGH-IN TO INCLUDE:
- 19mm SERVICE WITH CURB STOP VALVE (fpt)
- 25mm CAPPED IRRIGATION PIPE FROM TREE IRRIGATION
- 5686 SERVICE BOX INSTALLED TO THESE SPECIFICATIONS

IRRIGATION VAULT DETAIL

NOTES:
1. CONTACT CITY IRRIGATION STAFF FOR REVIEW & APPROVAL PRIOR TO IRRIGATION INSTALLATION
2. CONTACT CITY ARBORIST TO ARRANGE FOR ON-SITE APPROVAL OF TREE LOCATIONS PRIOR TO IRRIGATION INSTALLATION

No.	Revision	Approved

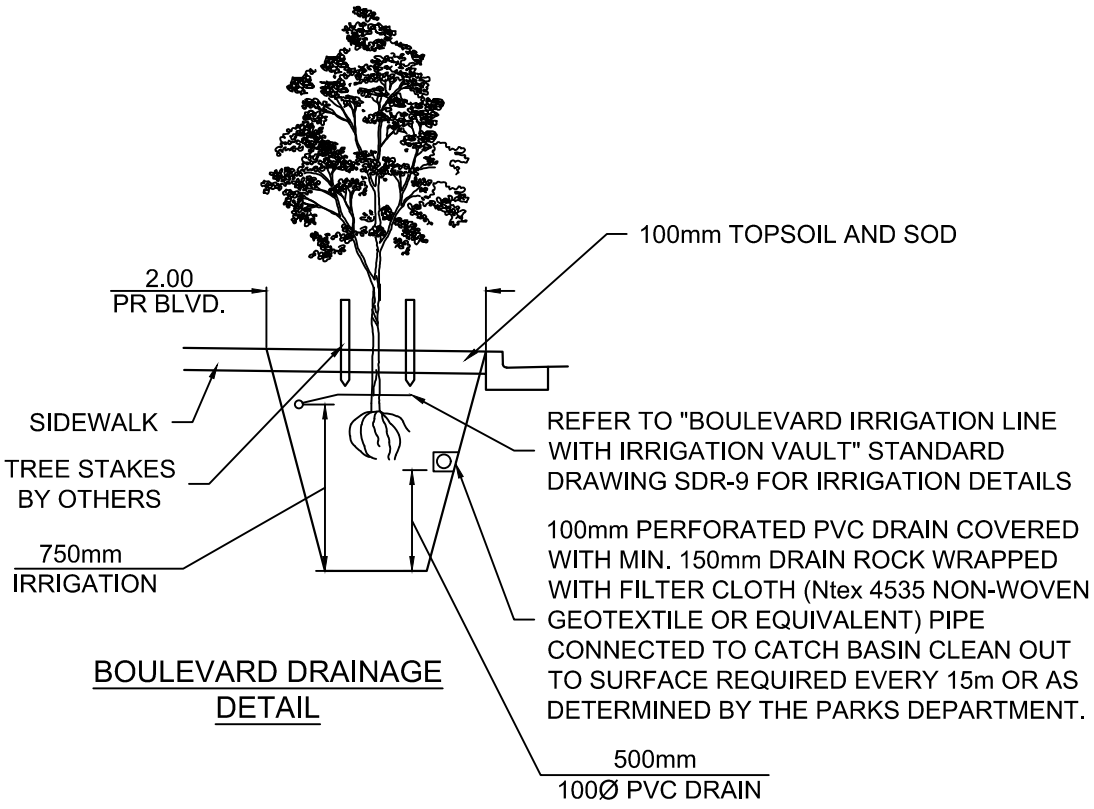
Scale: N.T.S | Date: Mar, 2023

Title: **BOULEVARDS - BOULEVARD IRRIGATION LINE WITH VAULT**

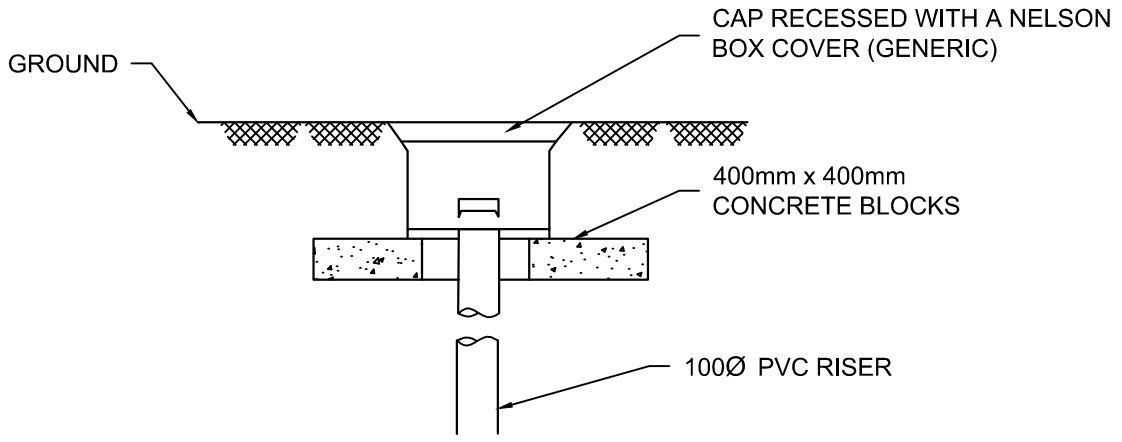
NEW WESTMINSTER

Suppl. Drawing No. SDR-9

May 15 2023 – 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-9 – Irrigation Vault.dwg/IRRIGATION VAULT GLazareva



BOULEVARD DRAINAGE DETAIL



CLEANOUT DETAIL

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

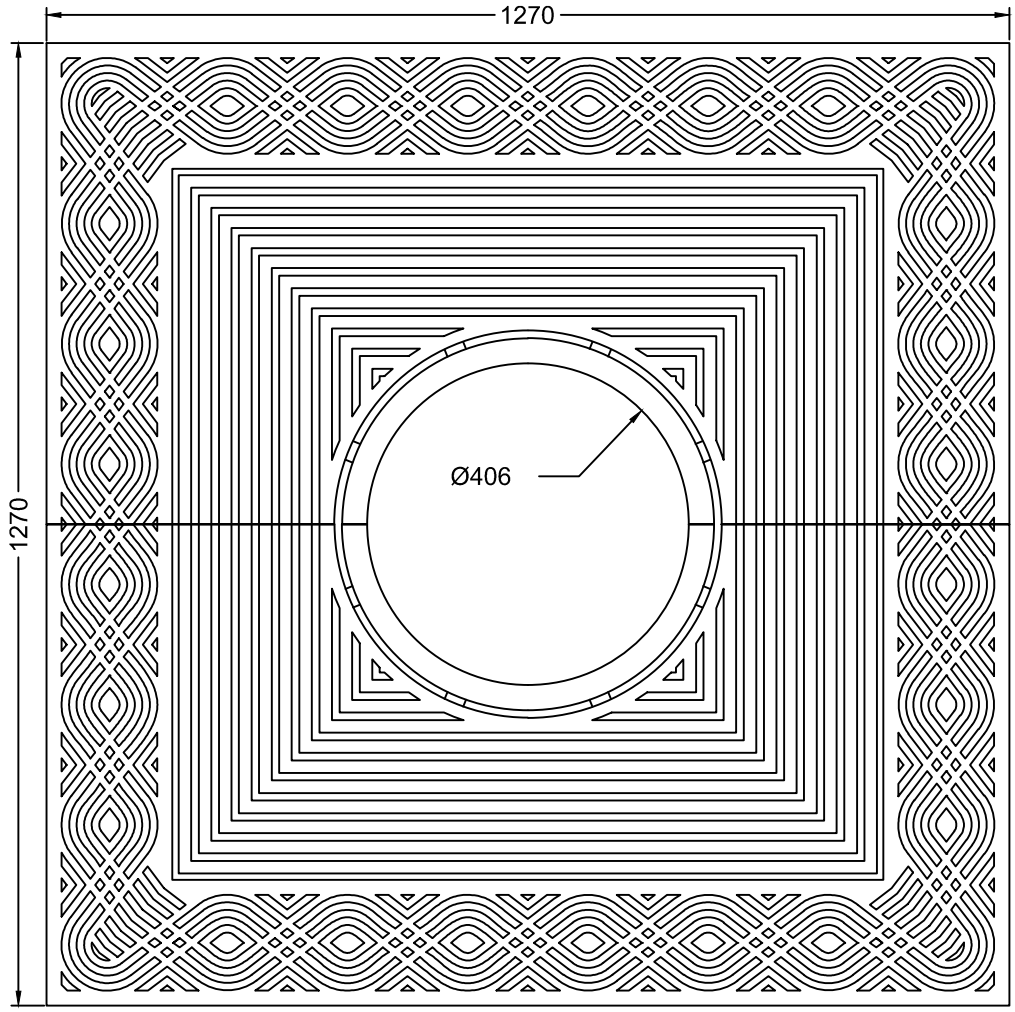
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BOULEVARDS DRAINAGE WITH CLEANOUT

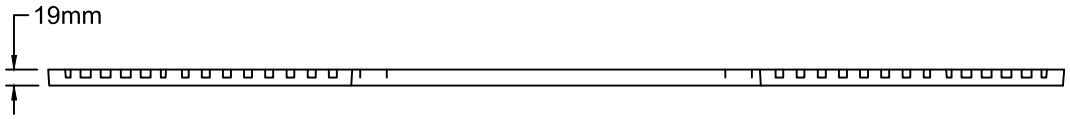
NEW WESTMINSTER

Suppl. Drawing No. SDR-10

May 15 2023 - 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-10 - Boulevards Drainage with Cleanout.dwg/BOULEVARDS DRAINAGE WITH CLEANOUT GLazareva



PLAN



DETAIL

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

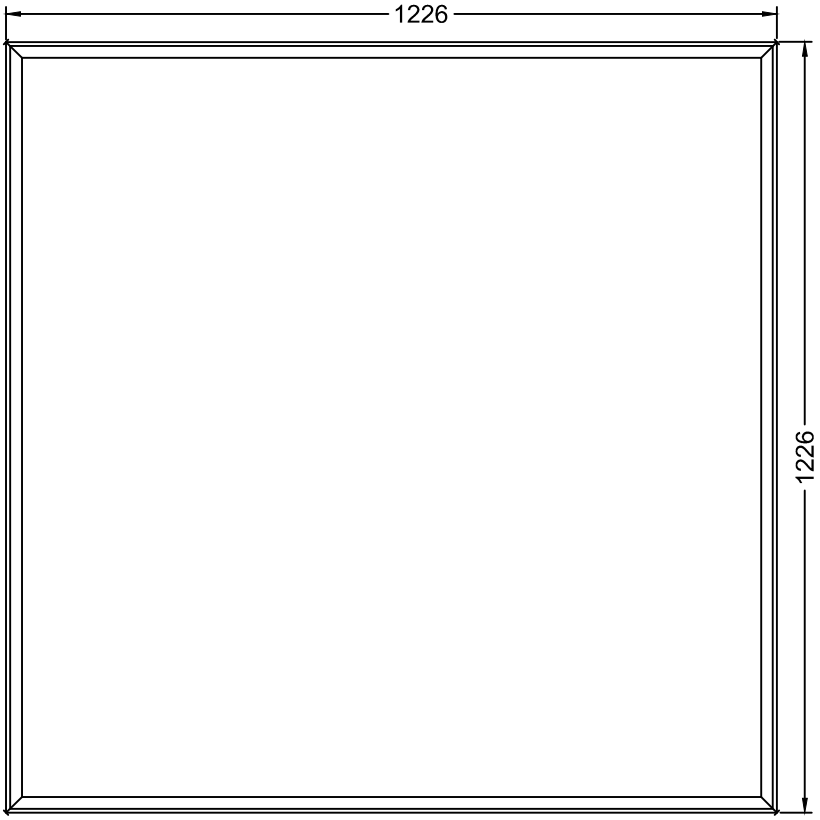
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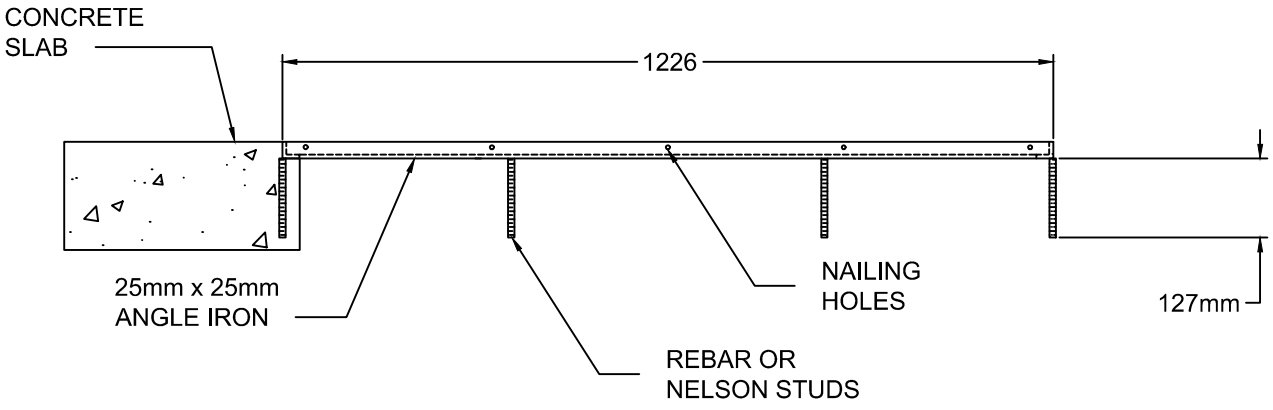
TREE GRATE DETAIL

NEW WESTMINSTER

Suppl. Drawing No. SDR-11A

May 15 2023 - 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-11 - Tree Grate Detail.dwg/TREE GRATE DETAIL GLazareva





No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

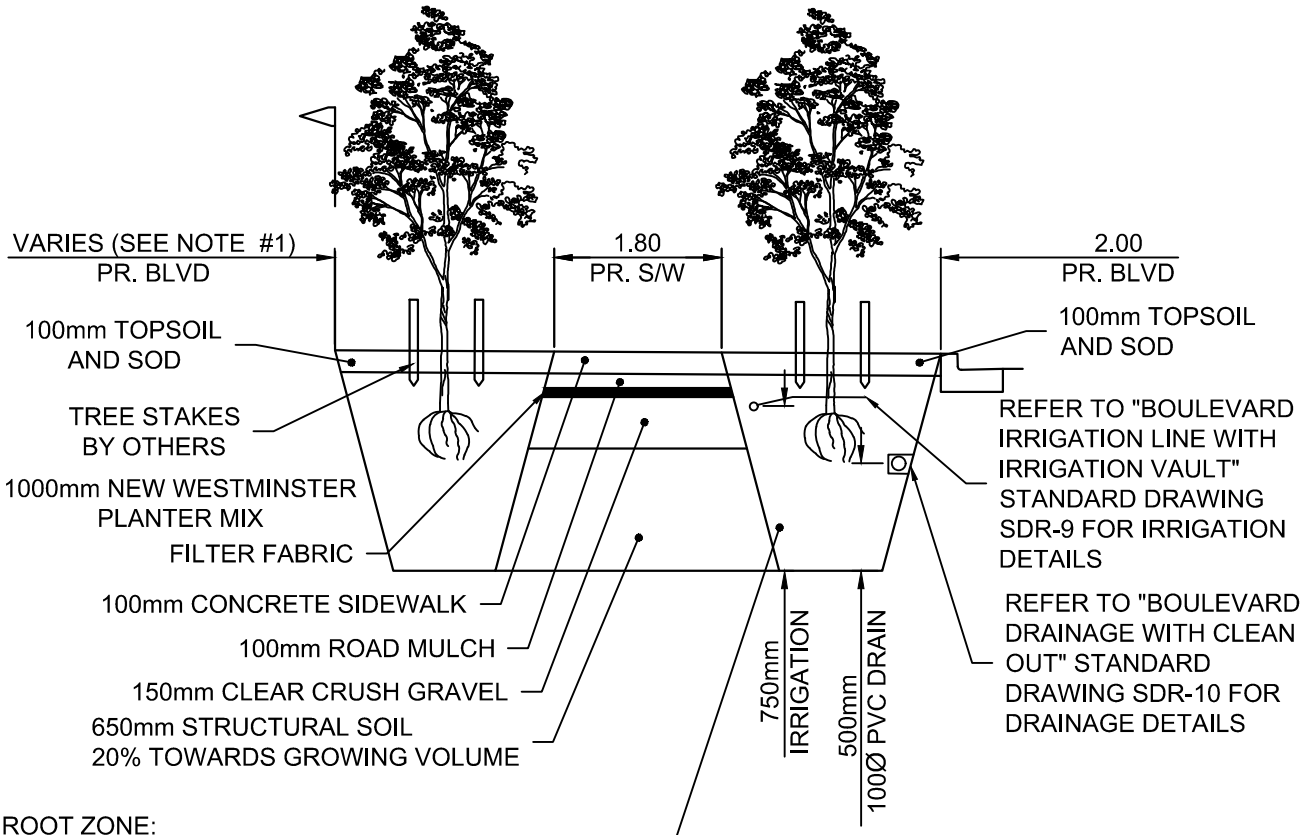
Title:

TREE GRATE FRAME

NEW WESTMINSTER

Suppl. Drawing No. SDR-11B

May 15 2023 - 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-11 - Tree Grate Detail.dwg/TREE GRATE FRAME GLazareva



ROOT ZONE:
MINIMUM DEPTH OF ROOT ZONE TO BE: 1000mm
LOOSEN UP SUBSOIL BEFORE INSTALLING ROOT ZONE SOIL WIDTH TO BE MAXIMUM THAT IS PRACTICAL WITHIN THE SPACE. ROOT ZONE SOIL TO BE NEW WESTMINSTER PLANTER MIX OR APPROVED EQUAL GROWING MEDIUM FOR THE FULL WIDTH OF THE BOULEVARD.

NOTES:

1. BACK BOULEVARD (IF APPLICABLE) WIDTH VARIES. MINIMUM 1.50m FOR A SECOND ROW OF TREE PLANTING.

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

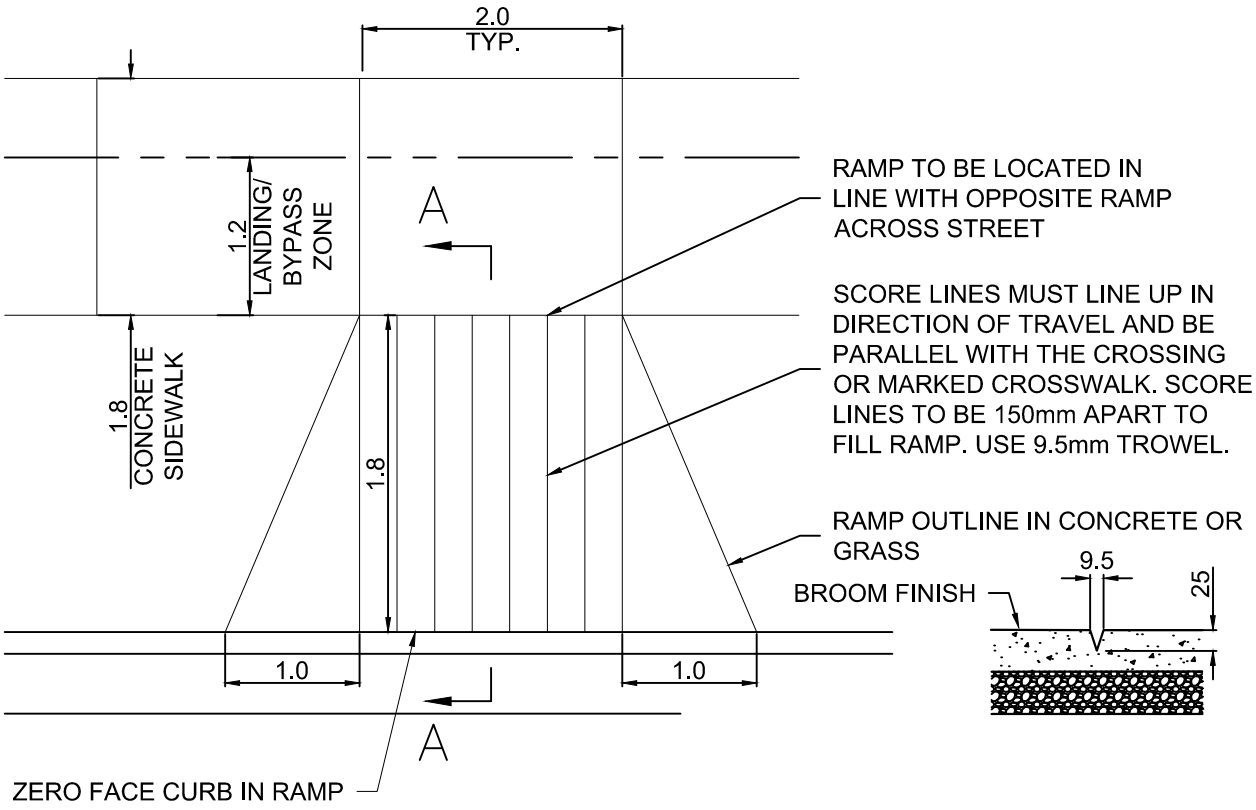
Title: **BOULEVARD CROSS SECTION FOR GRASS AND CONCRETE**

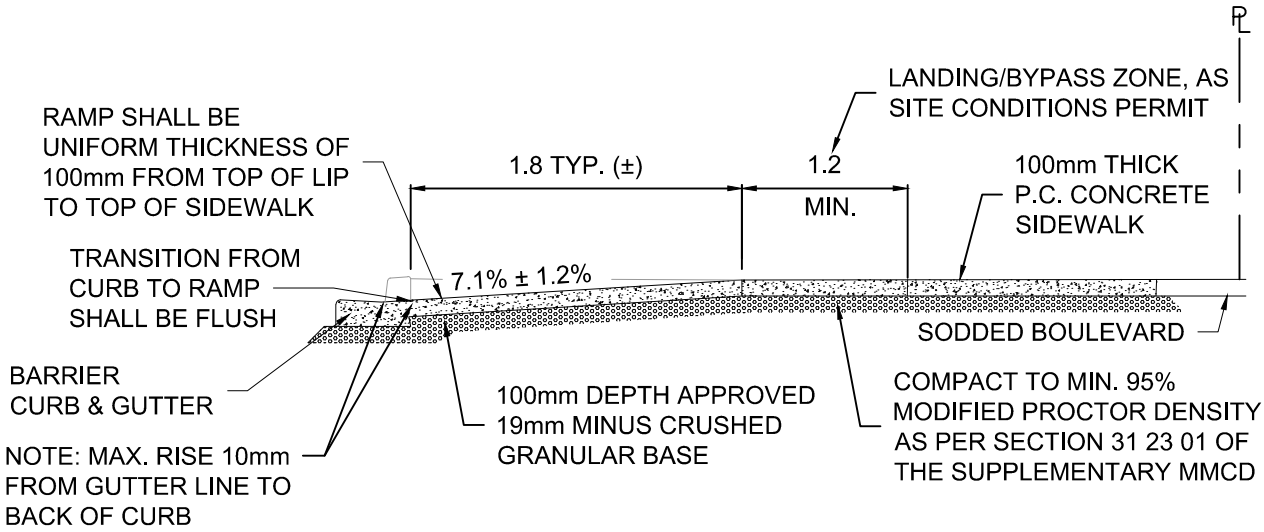
NEW WESTMINSTER

Suppl. Drawing No. SDR-12

May 15 2023 - 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-12 - Boulevard Cross section for Grass and Concrete.dwg/BOULEVARD CROSS SECTION FOR GRASS AND CONCRETE GLazareva

NOTE:
RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
MAX. SLOPE 8.3% (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.





SECTION A-A CURB RAMP

No.	Revision	Approved

Scale: N.T.S
Date: Mar, 2023

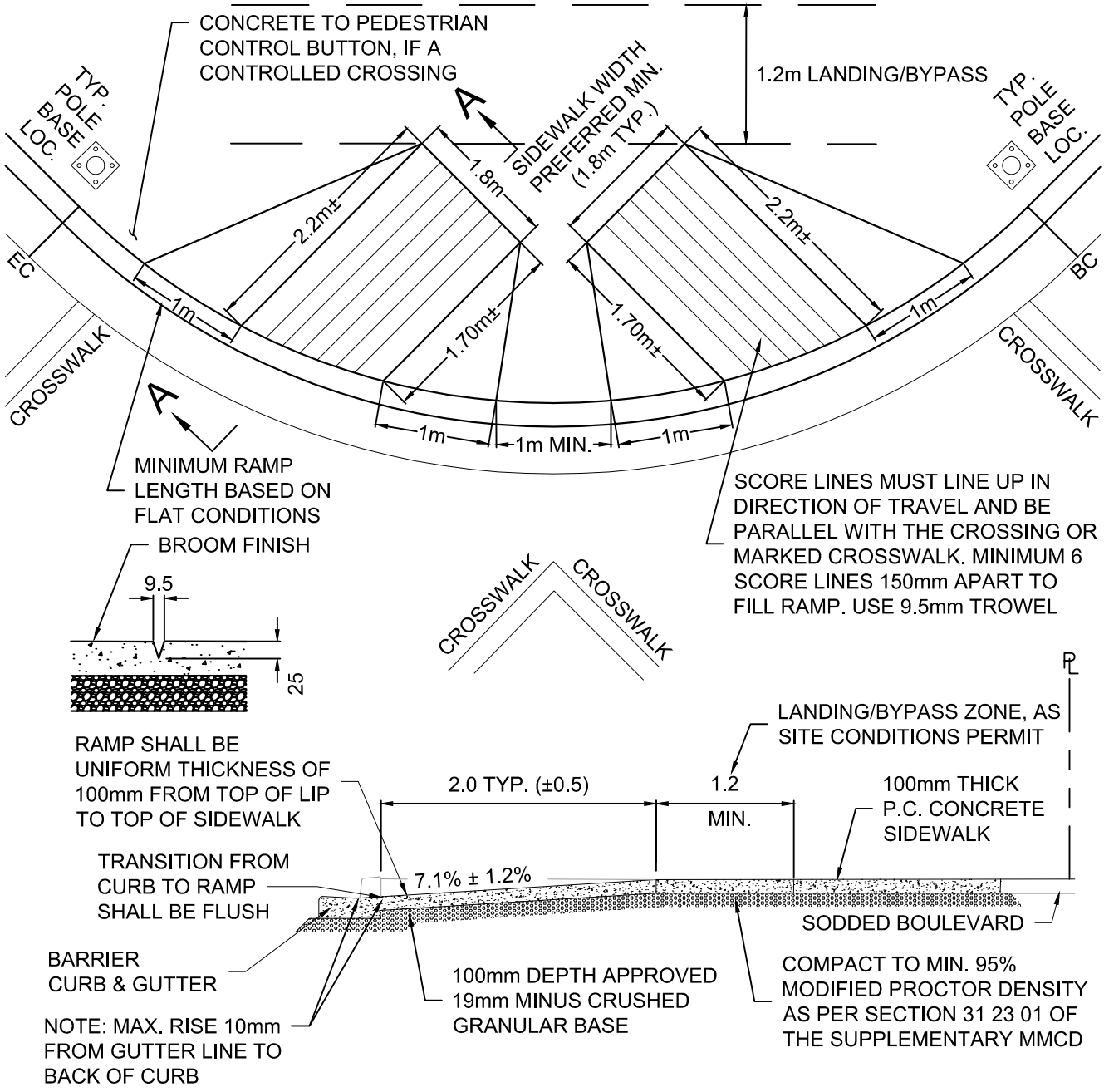
Title:

SINGLE CURB RAMP

NEW WESTMINSTER

Suppl. Drawing No. SDR-13

May 15 2023 – 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-13 – Wheelchair Letdown Single Ramp.dwg/WHEELCHAIR LETDOWN SINGLE RAMP GLazareva



SECTION A-A CURB RAMP

NOTES:

1. STANDARD RAMP LENGTH: 2.0m TYP.(±) AT CENTRE OF RAMP.
2. RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
3. MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS.
4. ADJUST LENGTH OF RAMP AS REQUIRED.
5. WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT, CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

Title:

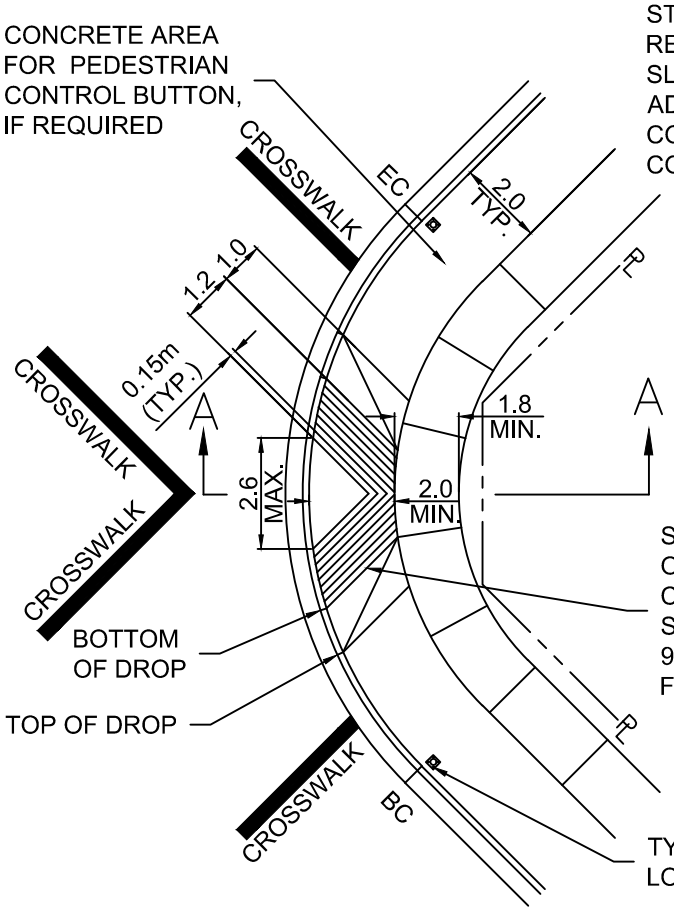
CURB RAMP - OPTION 1

NEW WESTMINSTER

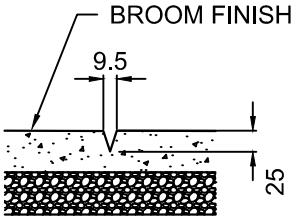
Suppl. Drawing No. SDR-14

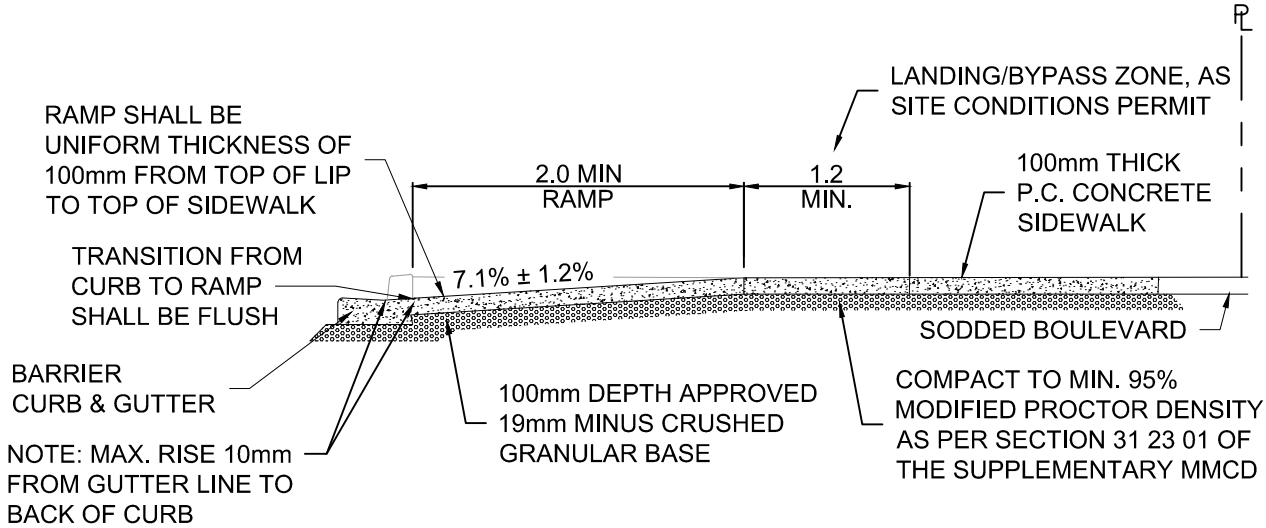
May 15 2023 – 11:15am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-14 – Double Curb Ramp.dwg/DOUBLE CURB RAMP GLazareva

NOTES:
STANDARD RAMP LENGTH: 2.0m AT CENTRE OF RAMP.
RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%. MAX. SLOPE 8.3% (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.



SINGLE RAMP





SECTION A-A CURB RAMP

No.	Revision	Approved

Scale: N.T.S
Date: Mar, 2023

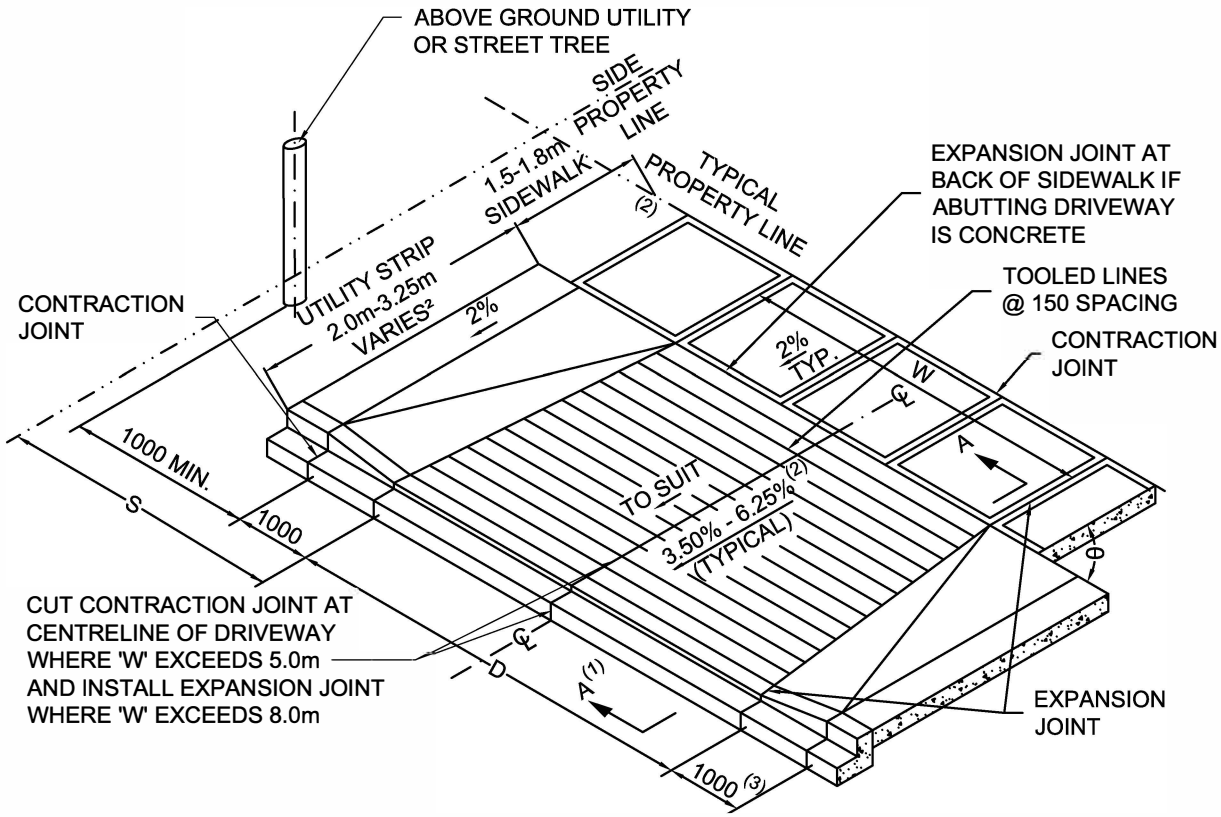
Title:

CURB RAMP - OPTION 2

NEW WESTMINSTER

Suppl. Drawing No. SDR-15

May 15 2023 - 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-15 - Split Letdown.dwg/SPLIT LETDOWN GLazareva



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)		
SINGLE FAMILY RESIDENTIAL	N/A	3.0	5.5	SEE NOTE 3	90	6.0 LOCAL/COLLECTOR 7.2 ARTERIAL
MULTI FAMILY RESIDENTIAL	TWO WAY	N/A	7.3	SEE NOTE 3	90	9.7
	ONE WAY	3.0	4.5	SEE NOTE 3	45	
LANE	N/A	N/A	6.0	SEE NOTE 3	90	9.7
COMMERCIAL	TWO WAY	6.0	9.0	SEE NOTE 3	90	11.4
	ONE WAY	3.0	4.5	SEE NOTE 3	45	
INDUSTRIAL	TWO WAY	6.0	11.0	SEE NOTE 3	90	13.4
	ONE WAY	3.0	5.0	SEE NOTE 3	30	

NOTES:
1. FOR UTILITY STRIP LESS THAN 2.0m, SIDEWALK SLOPE MUST REMAIN AT 2%
2. FLARE IS NOT PERMITTED FOR SINGLE FAMILY RESIDENTIAL UNLESS DIRECTED BY CITY OF NEW WESTMINSTER
3. AT THE DISCRETION OF THE DIRECTOR OF ENGINEERING

No.	Revision	Approved

Scale: N.T.S
Date: Mar, 2023

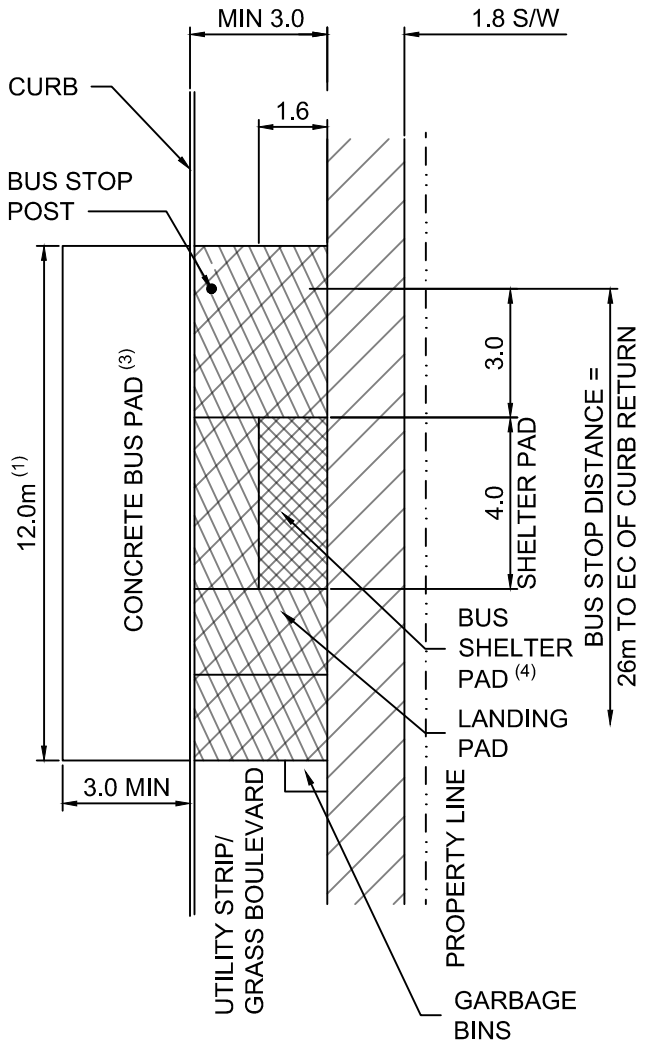
Title:

DRIVEWAY LETDOWN

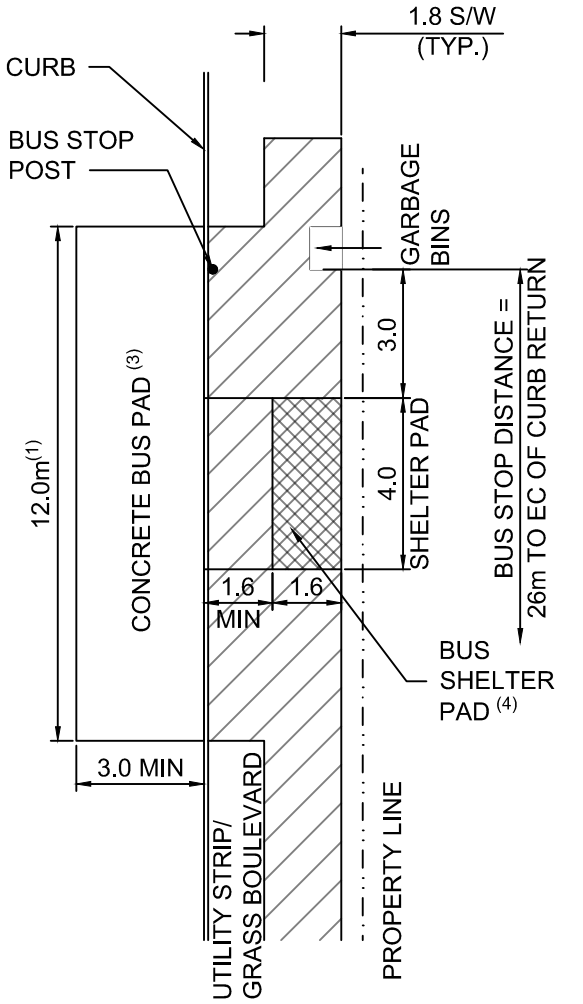
NEW WESTMINSTER

Suppl. Drawing No. SDR-16

May 15 2023 – 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-16 – Driveway Letdown.dwg/DRIVEWAY LETDOWN GLazareva



BUS SHELTER LOCATION
SIDEWALK BEHIND SHELTER



BUS SHELTER LOCATION
SIDEWALK IN LINE WITH SHELTER

NOTE:

1. 18m CONCRETE PAD FOR ARTICULATED BUS
2. STANDARD SHELTER TO BE CONSTRUCTED IN FRONT OF SIDEWALK (5.0 MIN BOULEVARD) IF NOT ENOUGH WIDTH, CITY MUST REVIEW AND APPROVE DESIGN BEHIND SIDEWALK
3. CONCRETE BUS PAD REQUIRED AT HIGH BUS VOLUME LOCATIONS. ANY ALTERNATE MUST BE APPROVED BY THE CITY.
4. REFER TO SDR-17B FOR SHELTER PAD DETAIL

No.	Revision	Approved

Scale: N.T.S | Date: Mar, 2023

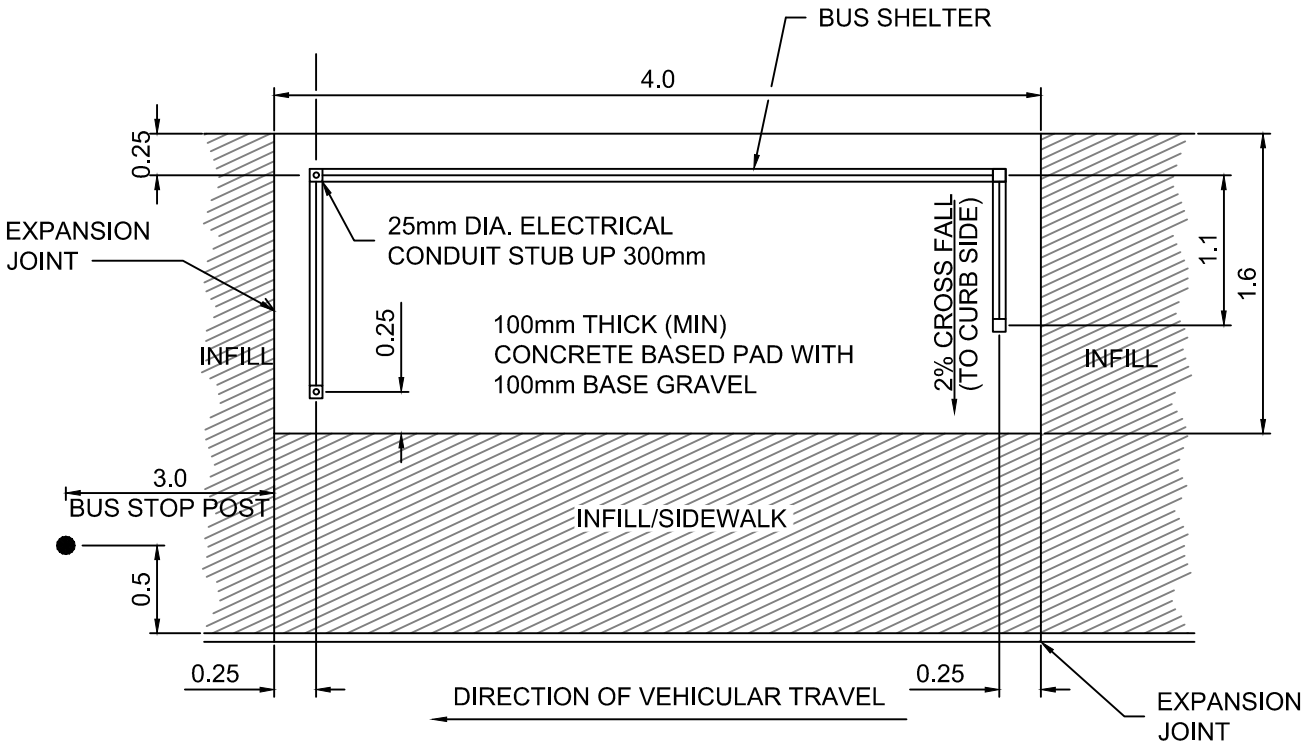
Title:

CONCRETE BUS PAD DETAIL

NEW WESTMINSTER

Suppl. Drawing No. SDR-17A

May 15 2023 - 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-17 - Concrete Bus Pad.dwg/CONCRETE BUS STOP LANDING PAD GLazareva



May 15 2023 – 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-17 – Concrete Bus Pad.dwg/BUS SHELTER PAD DETAILS GLazareva

No.	Revision	Approved

Scale: N.T.S

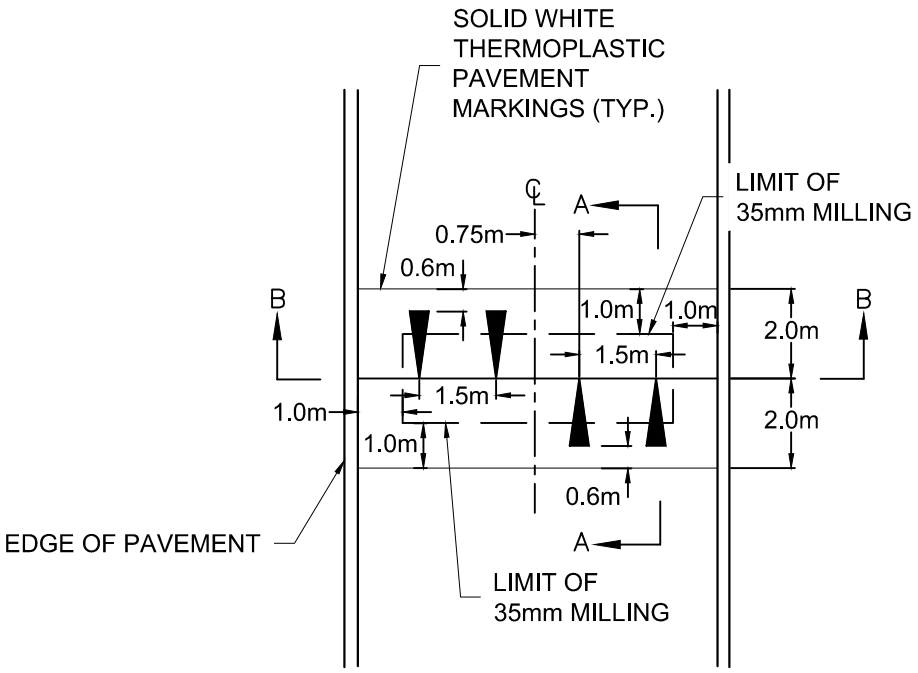
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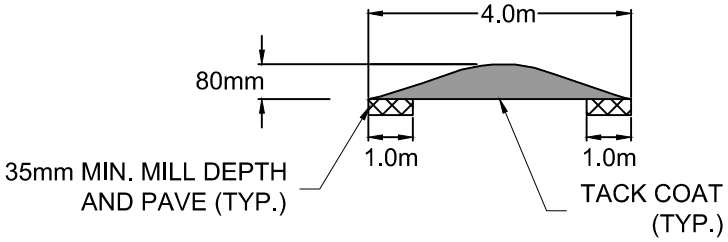
BUS SHELTER PAD DETAILS

NEW WESTMINSTER

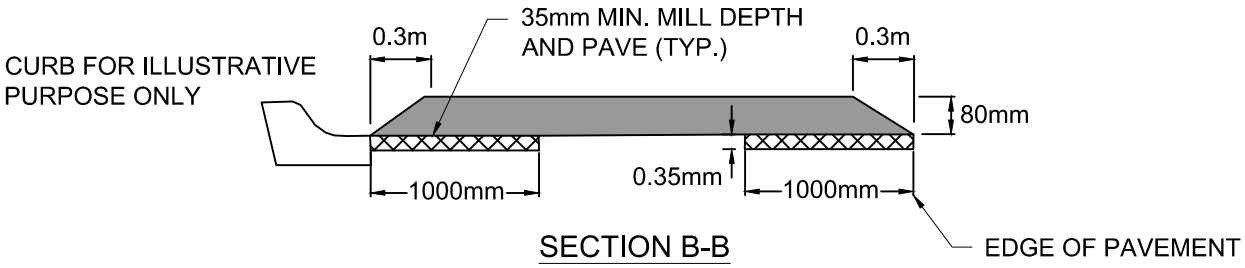
Suppl. Drawing No. SDR-17B



SPEED HUMP



SECTION A-A



SECTION B-B

SINUSOIDAL SPEED HUMP DEVELOPMENT

DISTANCE(m)	0.000	0.125	0.250	0.375	0.500	0.000	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

NOTE:
1. SINGLE ARROW PER DIRECTION ONLY FOR SPEED HUMPS IN LANES.
2. SPEED HUMP TABLE TO BE SURVEYED, TO ENSURE DEVELOPMENT.

No.	Revision	Approved

Scale: N.T.S

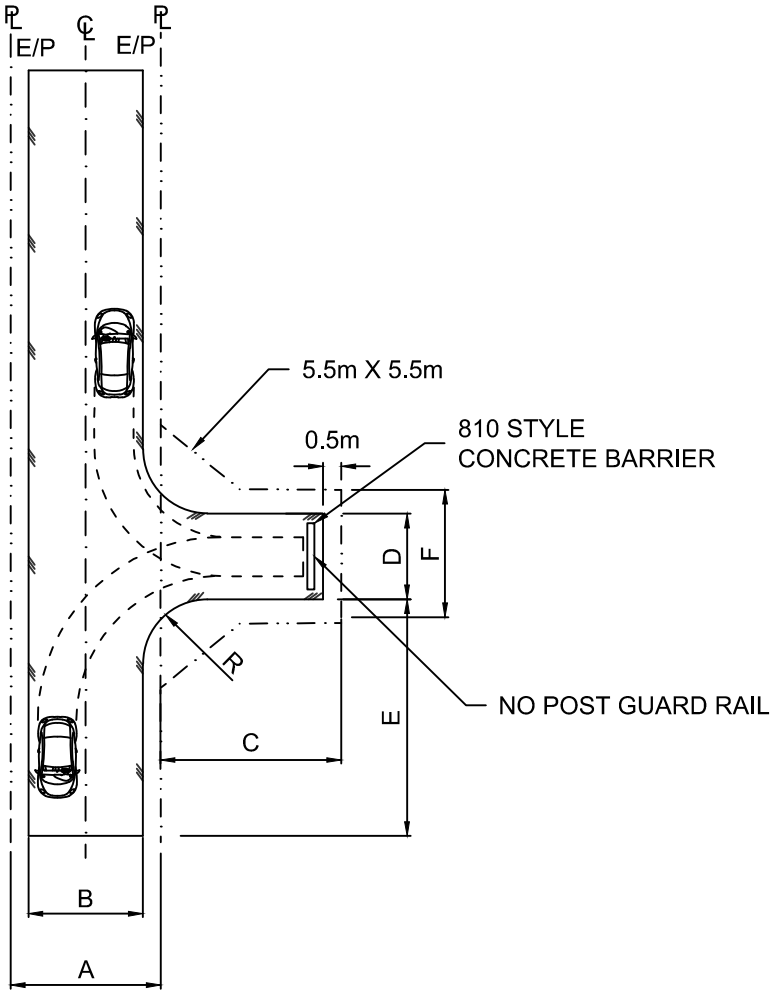
Date: Mar, 2023

Title: **SPEED HUMP**

NEW WESTMINSTER

Suppl. Drawing No. SDR-18

May 15 2023 - 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-18 - Speed Hump.dwg/SPEED HUMP GLazareva



DESIGN VEHICLE	LANE ALLOWANCE	PAVEMENT	DEPTH	WIDTH	LENGTH	RADIUS	ROW WIDTH
	A	B	C	D	E	R	F
PASSENGER	6.0	5.1	7.0	3.5	10.0	3.0	4.5

NOTES:
1. DESIGN VEHICLE AS DIRECTED BY THE CITY ENGINEER.

No.	Revision	Approved

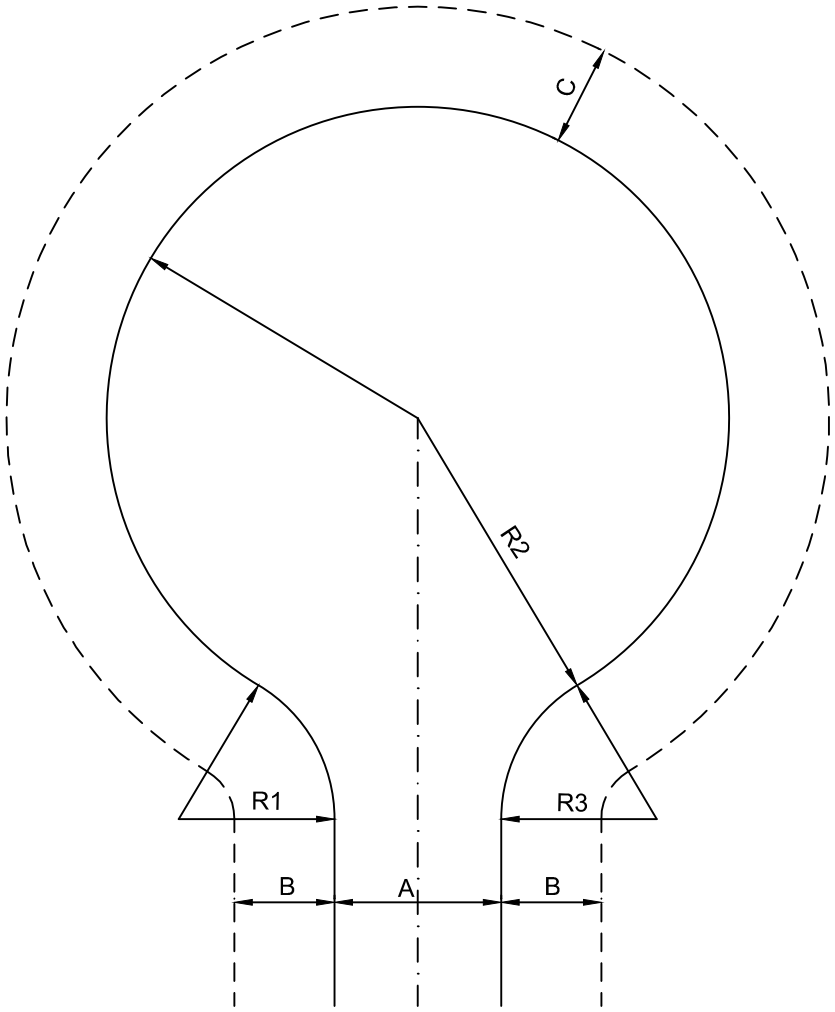
Scale: N.T.S | Date: Mar, 2023

Title: **TURNAROUND**

NEW WESTMINSTER

Suppl. Drawing No. SDR-19

May 15 2023 - 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-19 - Turnaround.dwg/TURNAROUND Glazareva



CLASSIFICATION	A	B	C	R1	R2	R3
URBAN CUL-DE-SAC OR "P"-LOOP	7.5	4.5 16.5m R/W	3.0	7.0	14.5	7.0
URBAN LIMITED LOCAL	8.0	5.0 18.0m R/W	3.0	7.0	14.5	7.0
URBAN THROUGH LOCAL	8.5	5.75 20.0m R/W	3.0	7.0	14.5	7.0
RURAL	6.8	6.6 20.0m R/W	4.5	9.0	14.5	9.0
RURAL	7.4	6.3 20.0m R/W	4.5	9.0	14.5	9.0

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

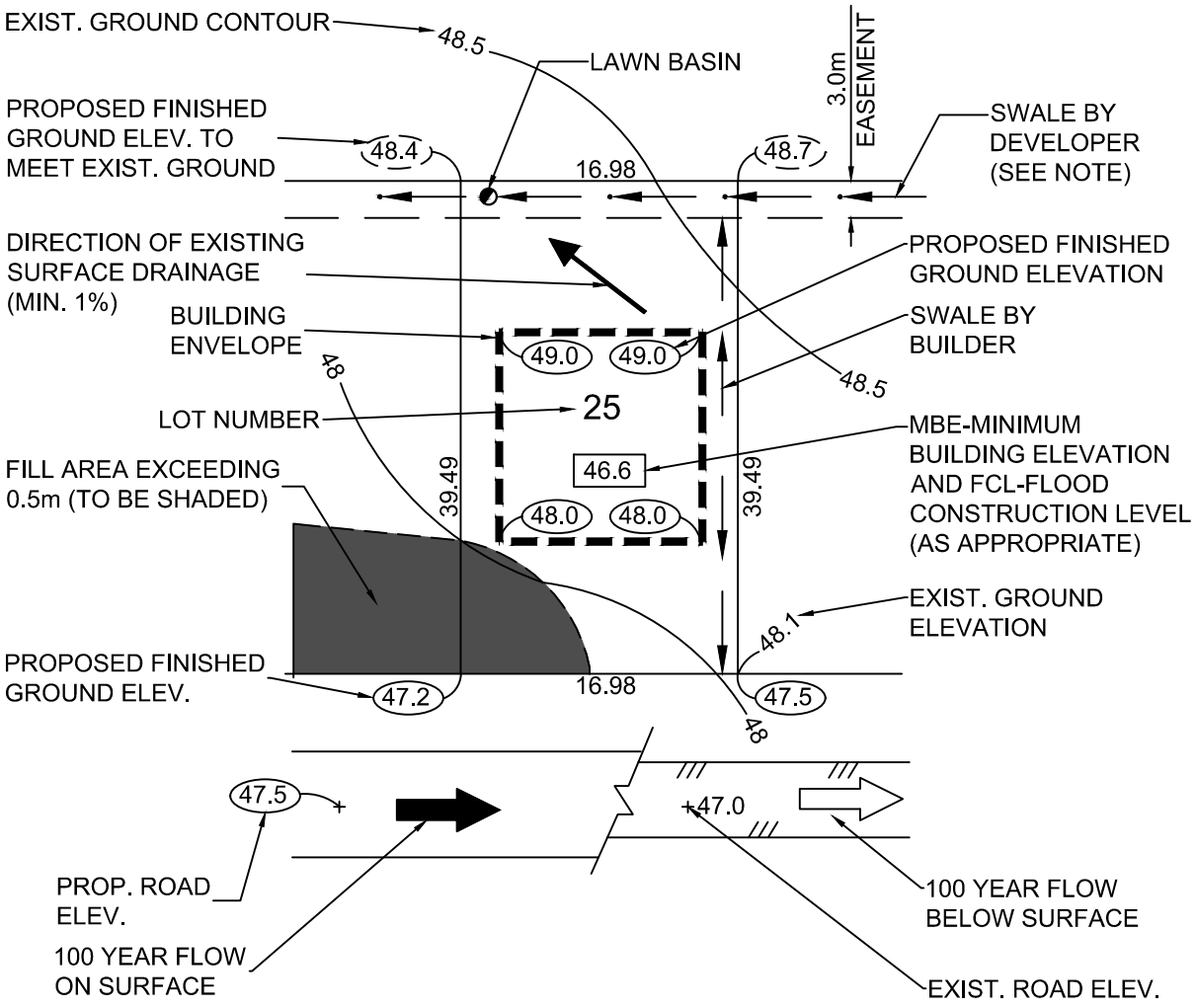
Title:

TURNAROUND CUL-DE-SAC BULB

NEW WESTMINSTER

Suppl. Drawing No. SDR-20

May 15 2023 - 11:16am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDR-20 - Cul De Sac.dwg/TURNAROUND CUL-DE-SAC BULB GLazareva



LOT GRADING NOTES:

1. MBE - MINIMUM BUILDING ELEVATION IS DEFINED IN THE BUILDING BYLAW.
2. ALL ROOF LEADERS ARE TO DISCHARGE ONTO SPLASH PADS.
3. ROUGH LOT GRADING IS TO BE COMPLETED BY THE DEVELOPER AND THE FINISHED GRADING IS TO BE DONE BY THE HOUSE BUILDER.
4. SODDED SWALES LOCATED IN EASEMENTS AND/OR RIGHTS-OF-WAYS ARE TO BE CONSTRUCTED BY THE DEVELOPER.
5. DRIVEWAYS ARE TO BE LOCATED A MINIMUM 1.0 METER FROM STREET LIGHTS, FIRE HYDRANTS, POWER/TELEPHONE KIOSKS AND UTILITY BOXES.
6. ALL SWALES ARE TO BE GRADED AT A MINIMUM 1.0%.
7. SHOULD A DRIVEWAY BE LOCATED OVER A SANITARY I.C. OR WATER CURB STOP, THE BUILDER SHALL BE RESPONSIBLE FOR INSTALLING A CONCRETE PULL BOX AND CAST IRON COVER TO PROTECT THE SERVICES.
8. THE DEVELOPER'S ENGINEER IS TO CERTIFY THE ROUGH LOT GRADING PRIOR TO ISSUANCE OF BUILDING PERMITS.

No.	Revision	Approved

Scale: N.T.S | Date: Mar, 2023

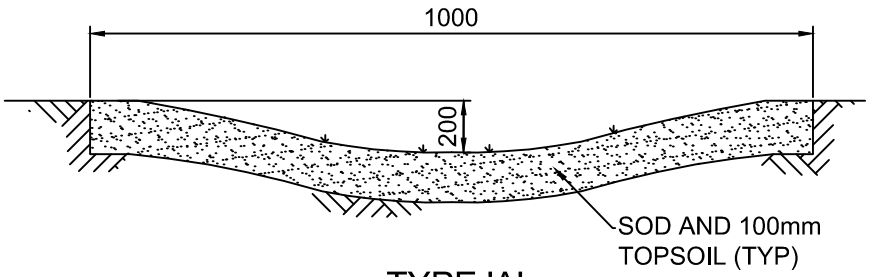
Title:

LOT GRADING PLAN REQUIREMENTS

NEW WESTMINSTER

Suppl. Drawing No. SDS-1

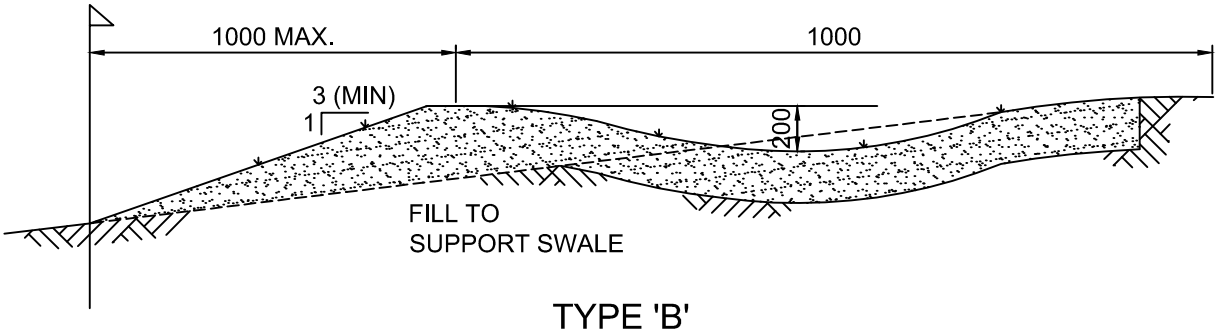
May 15 2023 - 11:13am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-1 - Lot Grading Plan Requirements.dwg/Lot Grading Plan Requirements GLazareva



TYPE 'A'

NOTE:

1. SWALE TYPICALLY CENTRED ON 3.0m R.O.W.
2. SOD TO BE PLACED ON 100mm TOPSOIL.
3. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.



TYPE 'B'

NOTE:

1. EASEMENT WIDTH AS REQUIRED TO SUPPORT PROPOSED SWALE

No.	Revision	Approved

Scale: N.T.S

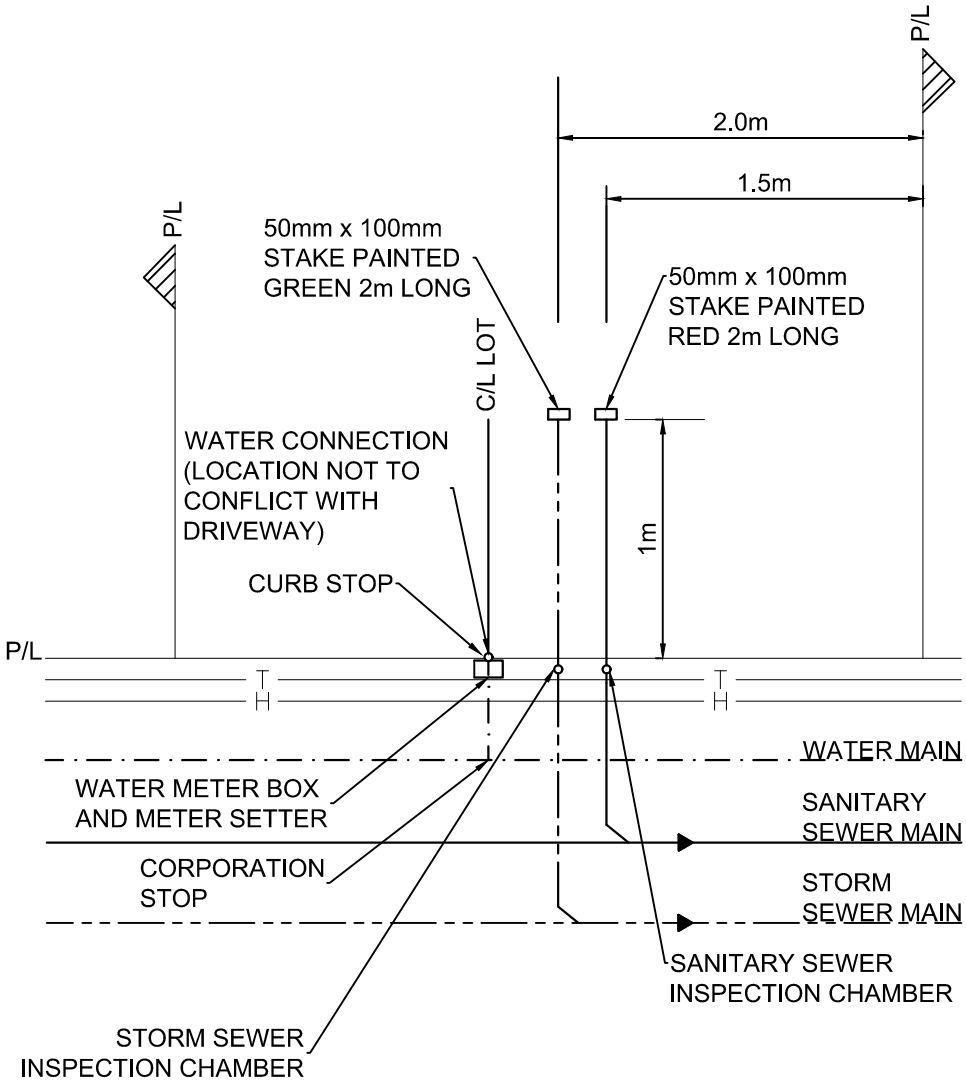
Date: Mar, 2023

Title: **SWALE**

NEW WESTMINSTER

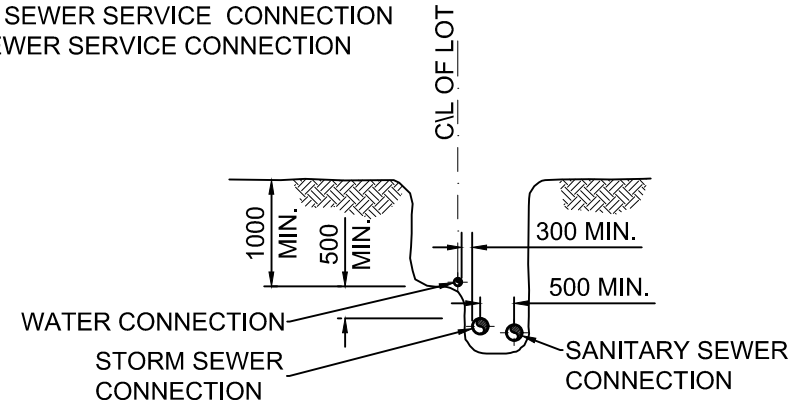
Suppl. Drawing No. SDS-2

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-2 - Swale.dwg/Swale GLazareva



NOTES:

1. 19mm MIN SIZING FOR WATER SERVICE CONNECTION
2. 100mm MIN SIZING FOR SANITARY SEWER SERVICE CONNECTION
3. 150mm MIN SIZING FOR STORM SEWER SERVICE CONNECTION



SECTION

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

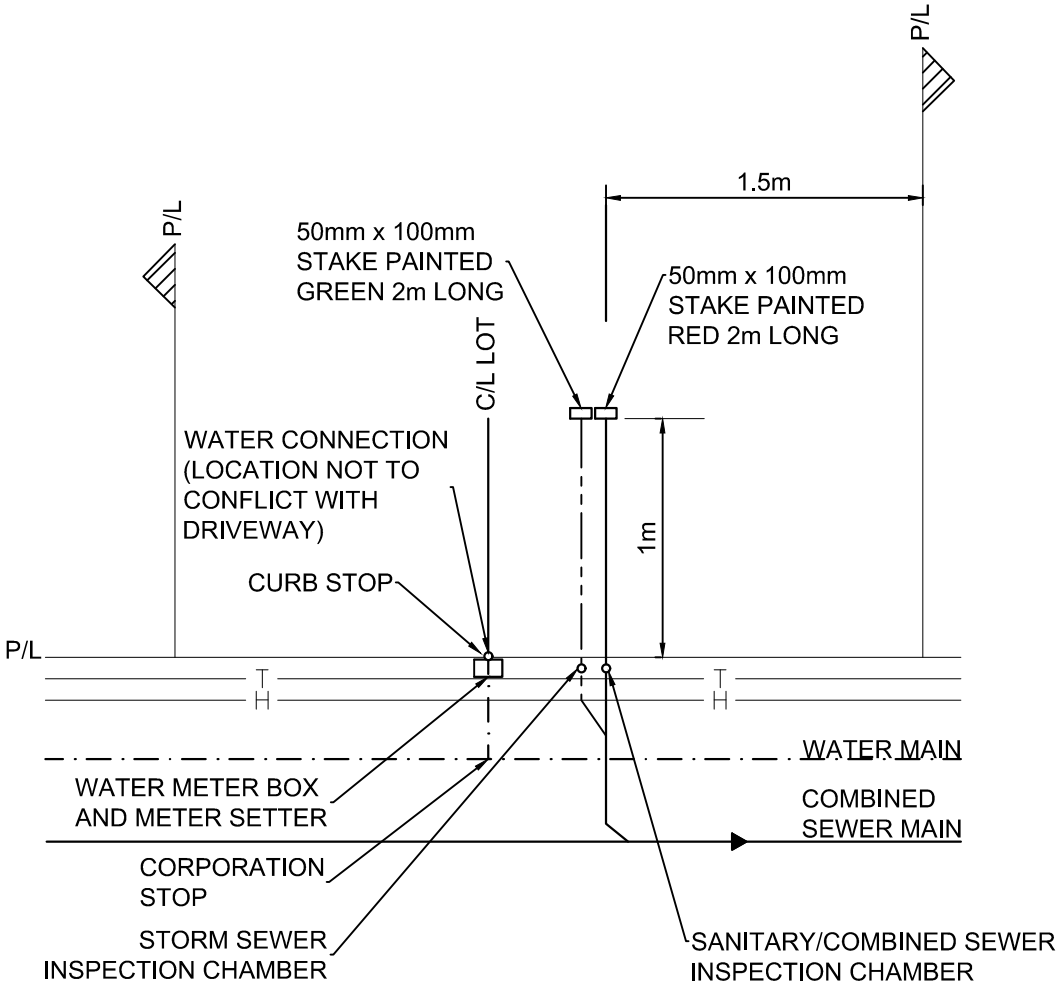
Title:

TYPICAL LOT SERVICE CONNECTIONS (SEPARATED SEWER)

NEW WESTMINSTER

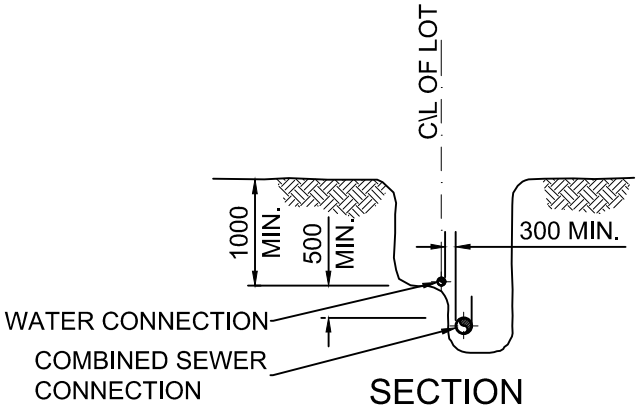
Suppl. Drawing No. SDS-3A

May 15 2023 – 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-3A & 3B – Typical Lot Service Connections.dwg/Typical Lot Service Connections GLazareva



NOTES:

1. 19mm MIN SIZING FOR WATER SERVICE CONNECTION
2. 100mm MIN SIZING FOR SANITARY/COMBINED SEWER SERVICE CONNECTION
3. 150mm MIN SIZING FOR STORM SEWER SERVICE CONNECTION



SECTION

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

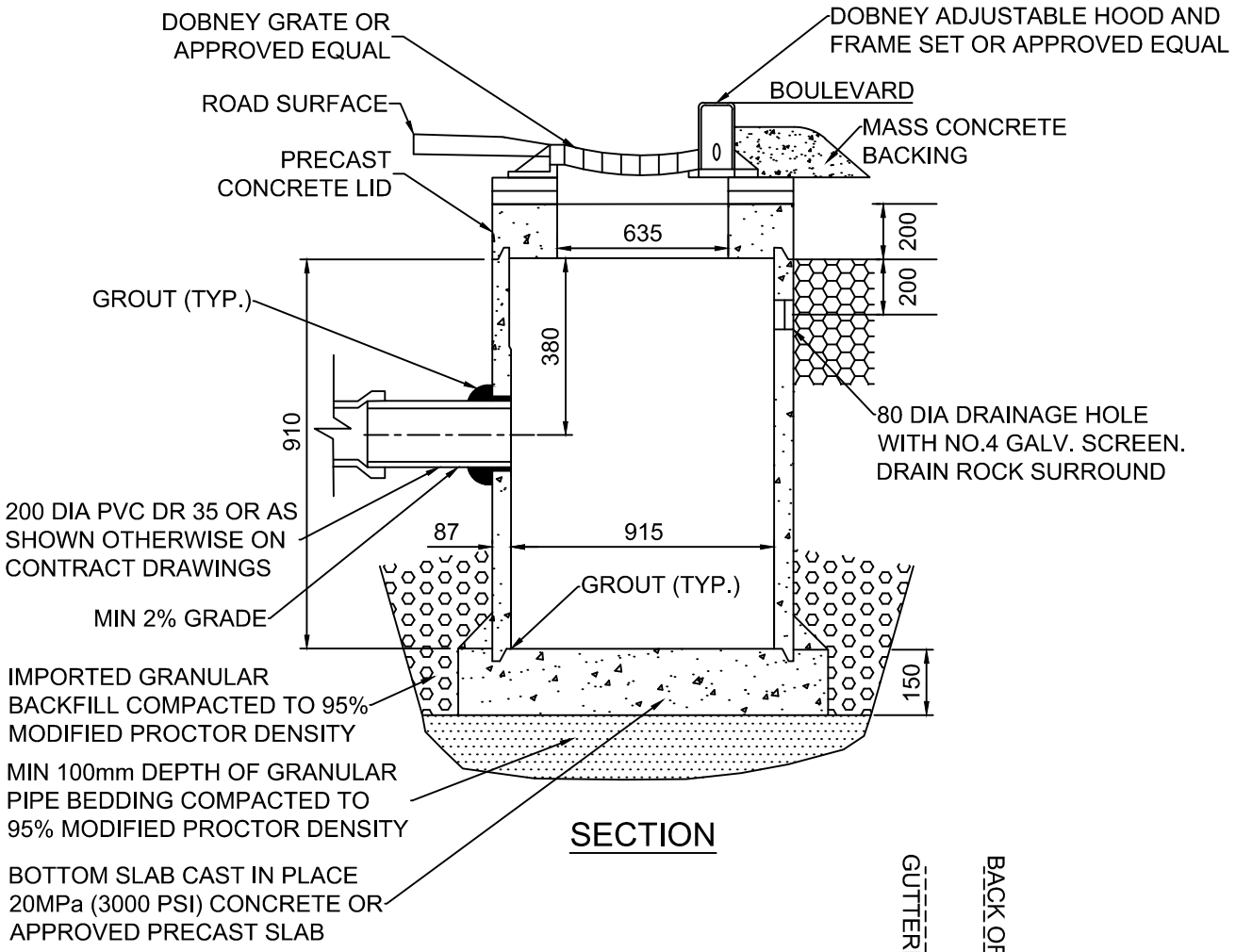
Title:

TYPICAL LOT SERVICE CONNECTIONS (COMBINED SEWER)

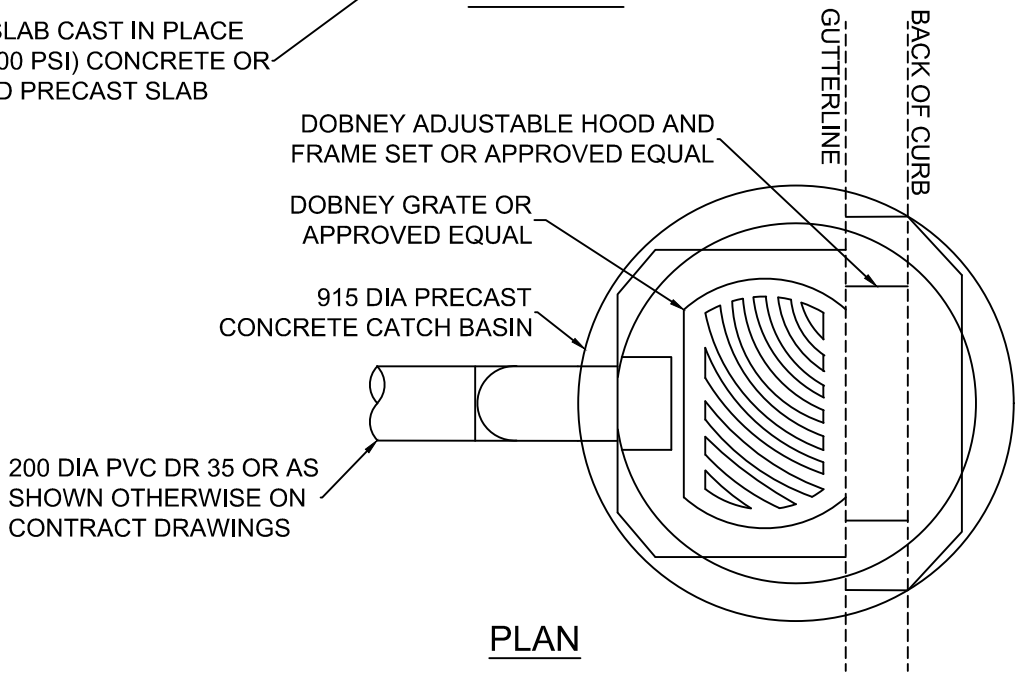
NEW WESTMINSTER

Suppl. Drawing No. SDS-3B

May 15 2023 – 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-3A & 3B – Typical Lot Service Connections.dwg/Typical Combined Lot Service Connections GLazareva



SECTION



PLAN

NOTES:

1. PRECAST UNITS C/W BASE APPROVED BY CONTRACT ADMINISTRATOR ARE ACCEPTABLE.

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

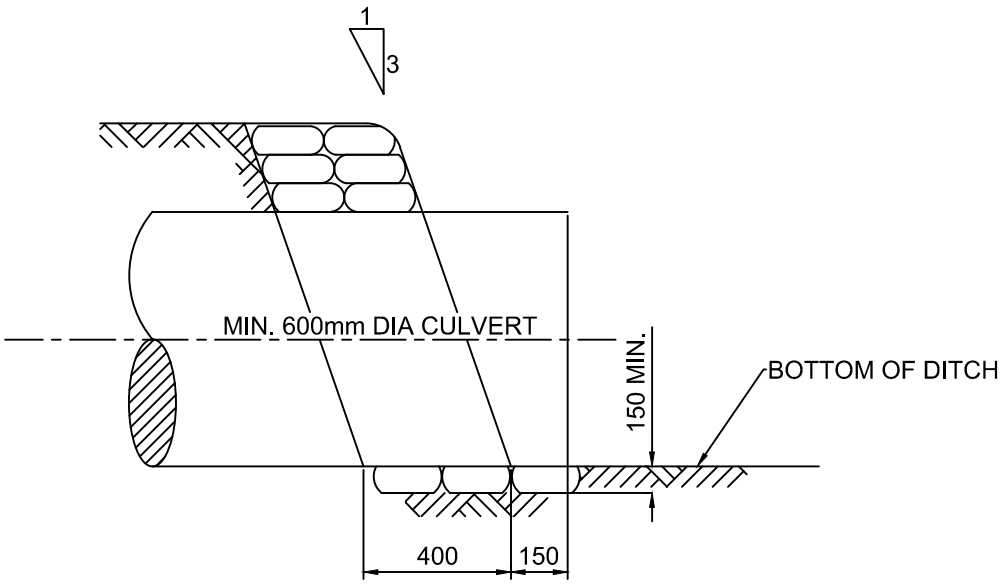
Title:

STANDARD SIDE INLET CATCH BASIN

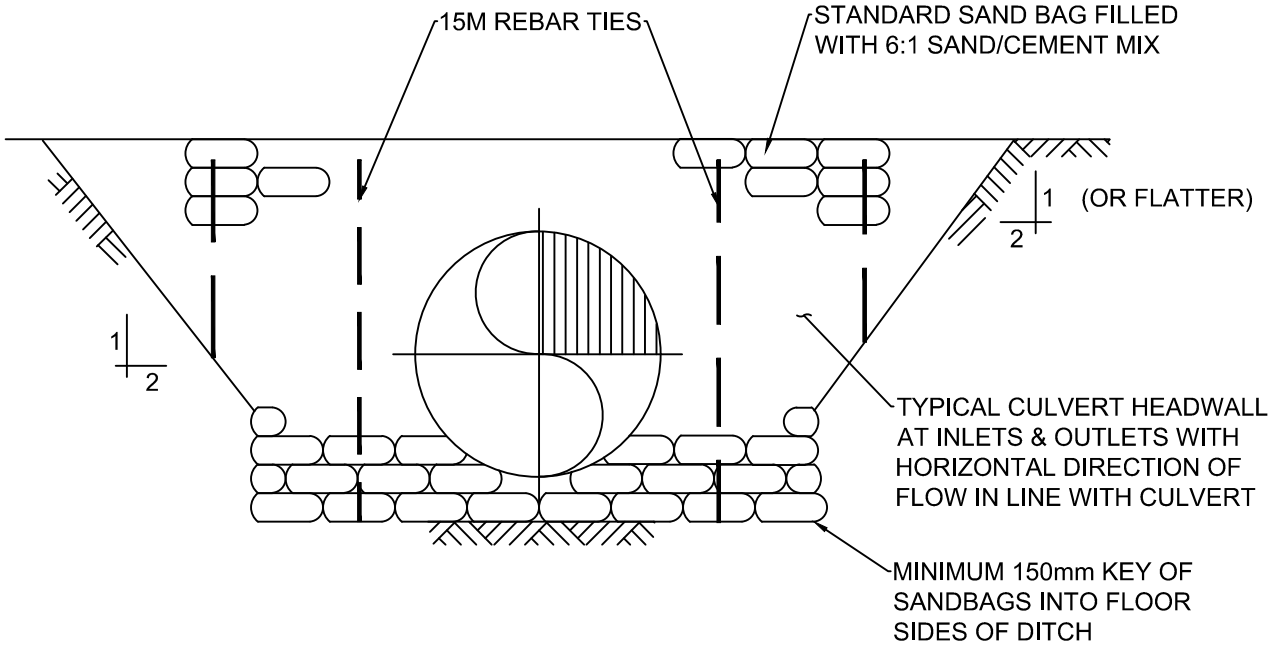
NEW WESTMINSTER

Suppl. Drawing No. SDS-4

May 15 2023 – 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-4 – Standard Side Inlet Catch Basin.dwg/Standard Side Inlet Catch Basin GLazareva



SECTION



No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

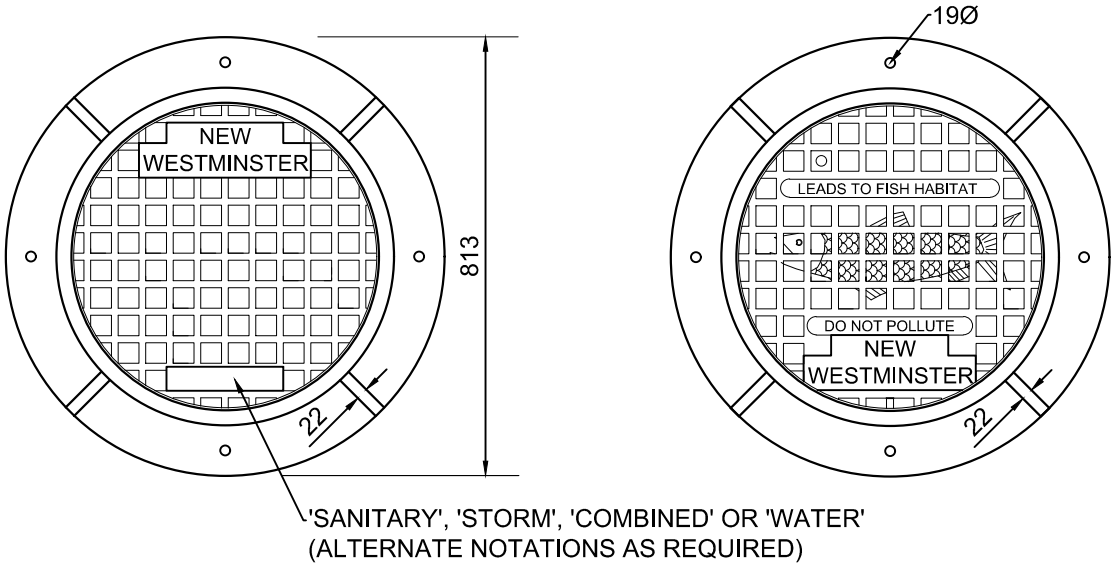
Title:

SANDBAG TYPE CULVERT HEADWALL

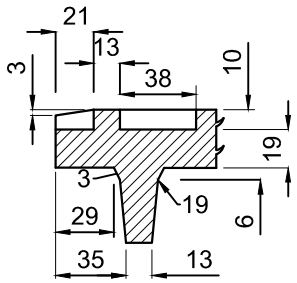
NEW WESTMINSTER

Suppl. Drawing No. SDS-5

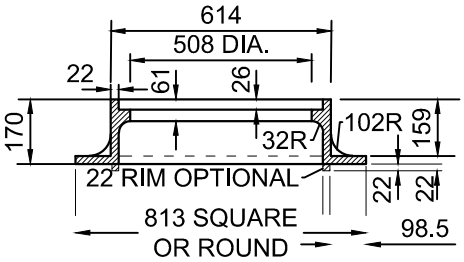
May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-5 - Sandbag Type Culvert Headwall.dwg/Sandbag Type Culvert Headwall GLazareva



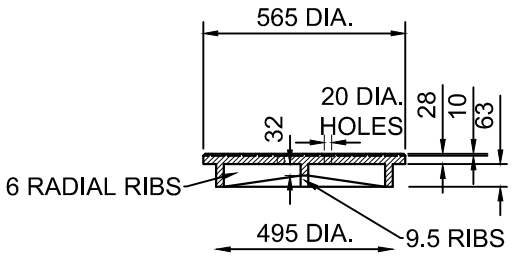
ROUND FRAME & COVER



DETAIL OF RIM
MATERIAL : CAST IRON



SECTION THRU FRAME



SECTION THRU COVER

NOTES:

1. USE DUCTILE IRON FRAME AND COVER ON ARTERIAL ROADS.
2. SYMBOL OF FISH TO BE RAISED ON TOP OF COVER BY 8mm

No.	Revision	Approved

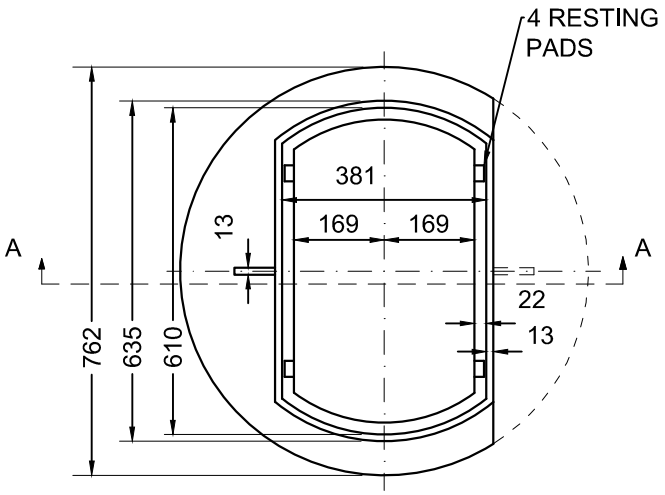
Scale: N.T.S | Date: Mar, 2023

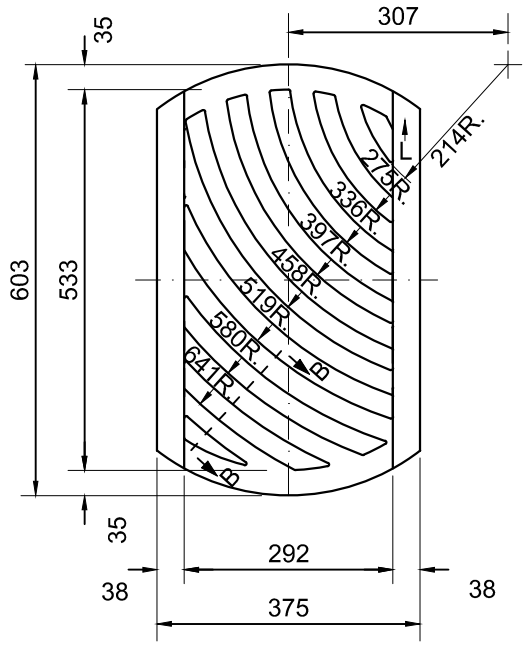
Title: **MANHOLE FRAMING & COVER**

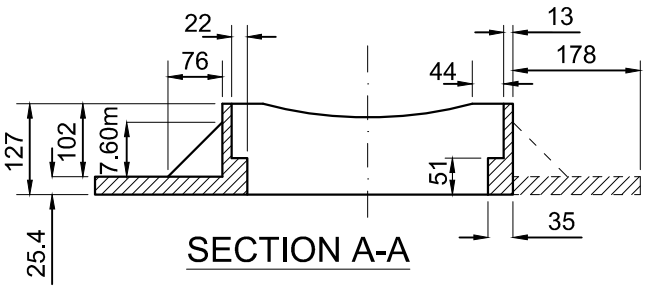
NEW WESTMINSTER

Suppl. Drawing No. SDS-6

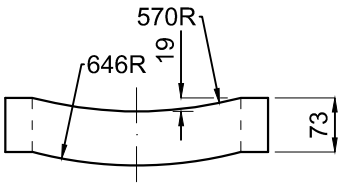
May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-6 & 7 - MH & CB Leads (Framing and Cover).dwg/Manhole Framing & Cover GLazareva



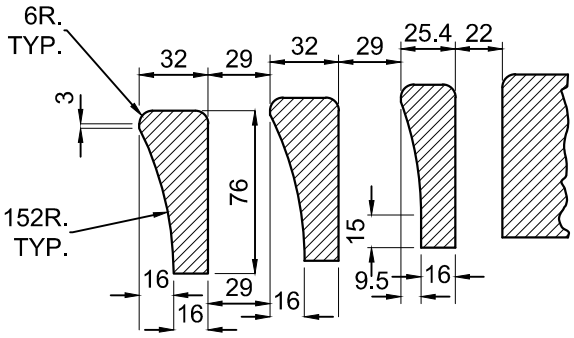




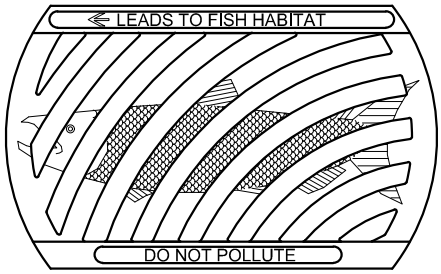
SECTION A-A



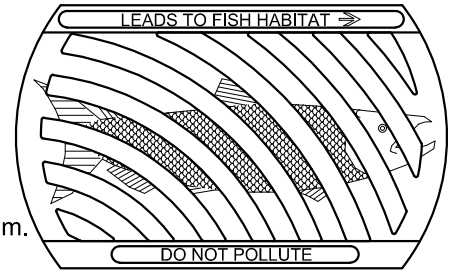
GRATE ELEVATION



SECTION B-B



LEFT HAND GRATE



RIGHT HAND GRATE

NOTES:

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

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

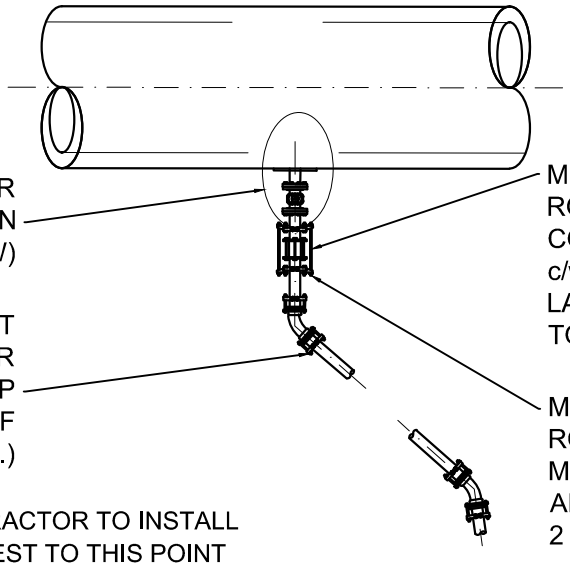
Title:

CATCH BASIN GRATE & COVER

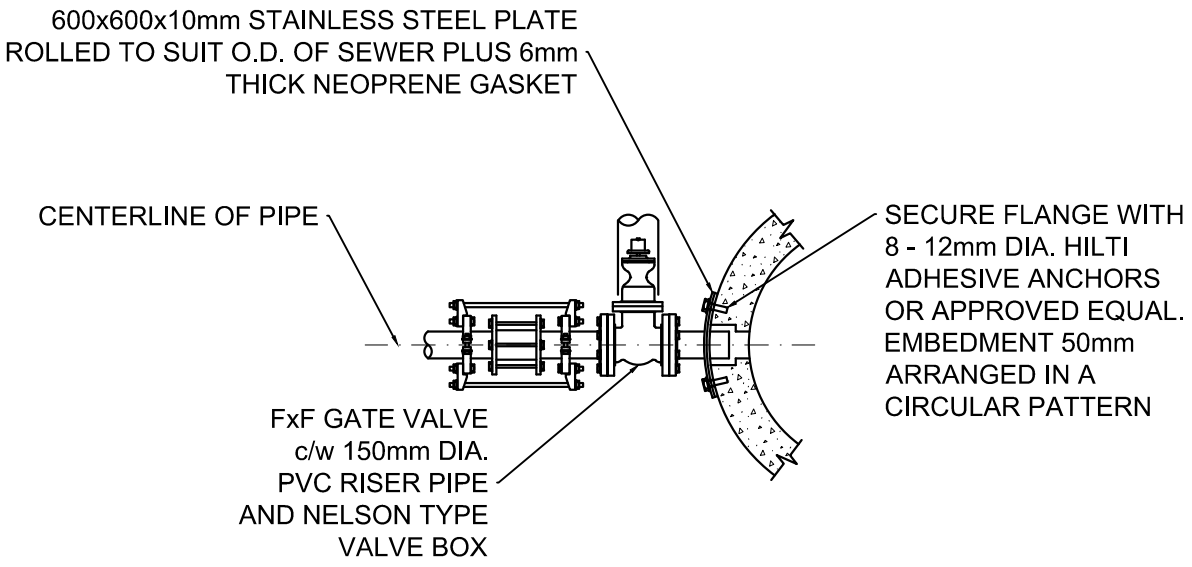
NEW WESTMINSTER

Suppl. Drawing No. SDS-7

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-6 & 7 - MH & CB Leads (Framing and Cover).dwg/Catch Basin Grate & Cover GLazareva



DETAIL AT INTERCEPTOR OR TRUNK



WET TAP CONNECTION DETAIL - SECTION

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

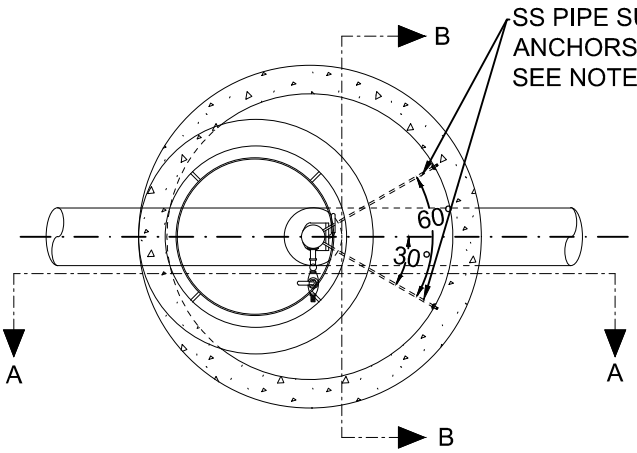
Title:

TYPICAL FORCEMAIN CONNECTION - WET TAP CORING

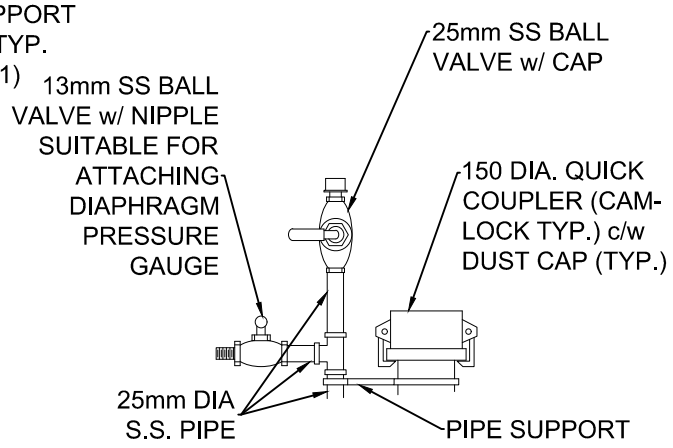
NEW WESTMINSTER

Suppl. Drawing No. SDS-8

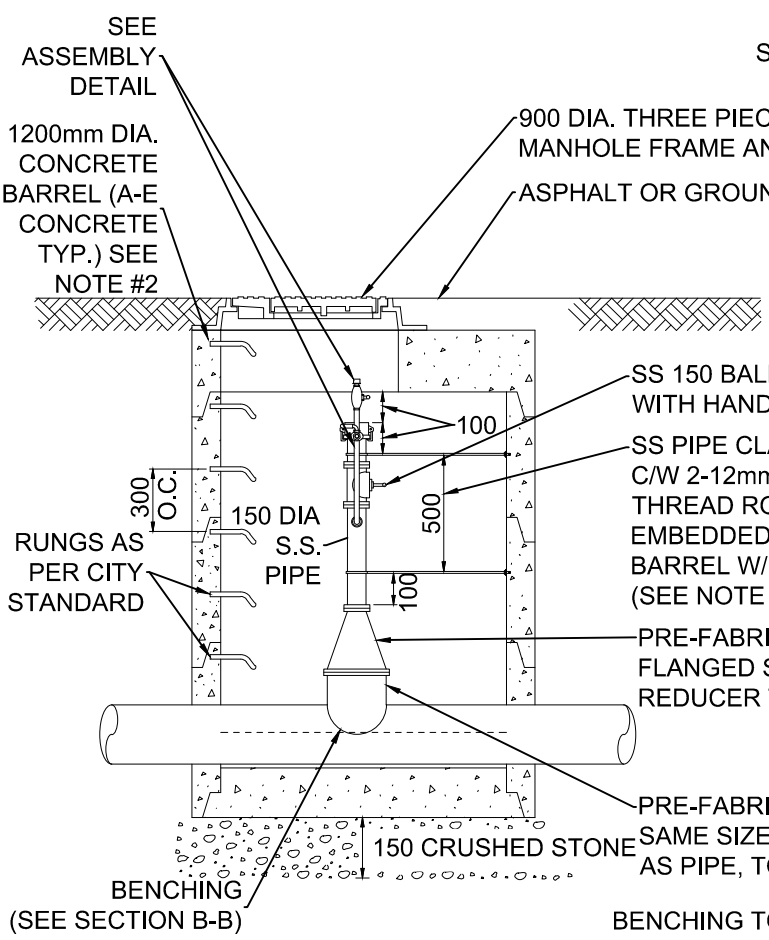
May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-8 - Typical Forcemain Connection Wet Tap Coring.dwg/Typical Forcemain Connection - Wet Tap Coring GLazareva



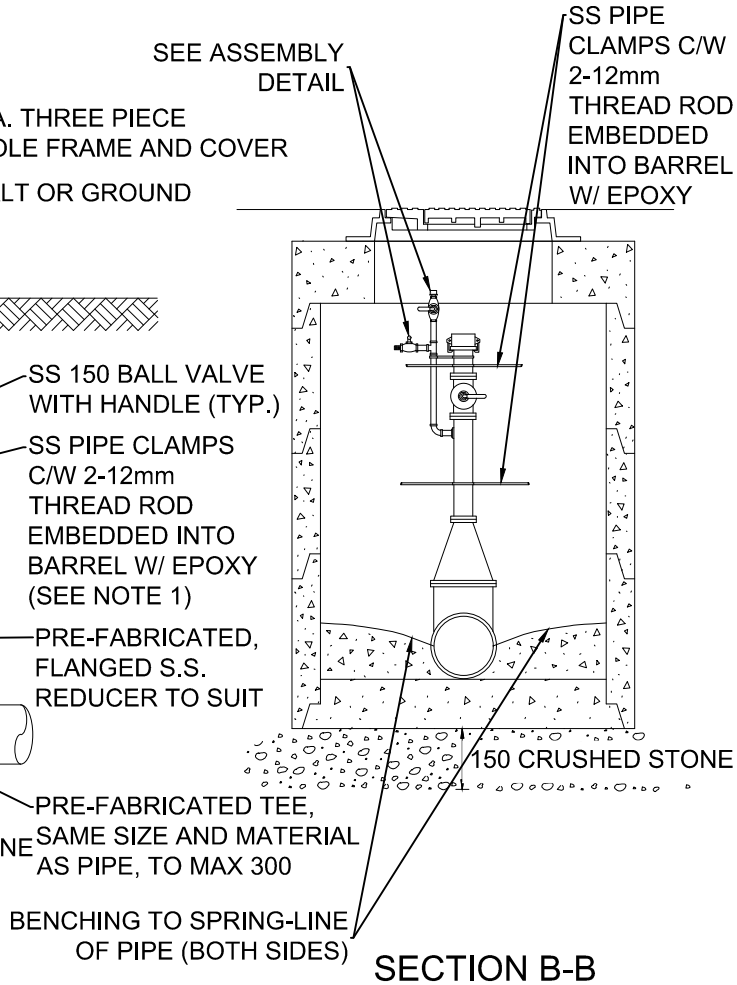
PLAN VIEW



ASSEMBLY DETAIL



SECTION A-A



SECTION B-B

NOTES:

1. WHEN PLACING PIPE SUPPORT, CONSIDER MAINTENANCE ACCESS AND ADJUST LOCATIONS ACCORDINGLY.
2. ALL JOINTS TO BE SEALED TO MAKE MANHOLE WATER-TIGHT.
3. DESIGN ENGINEER TO ENSURE COMPONENTS FIT INSIDE THE MANHOLE DEPTH.

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

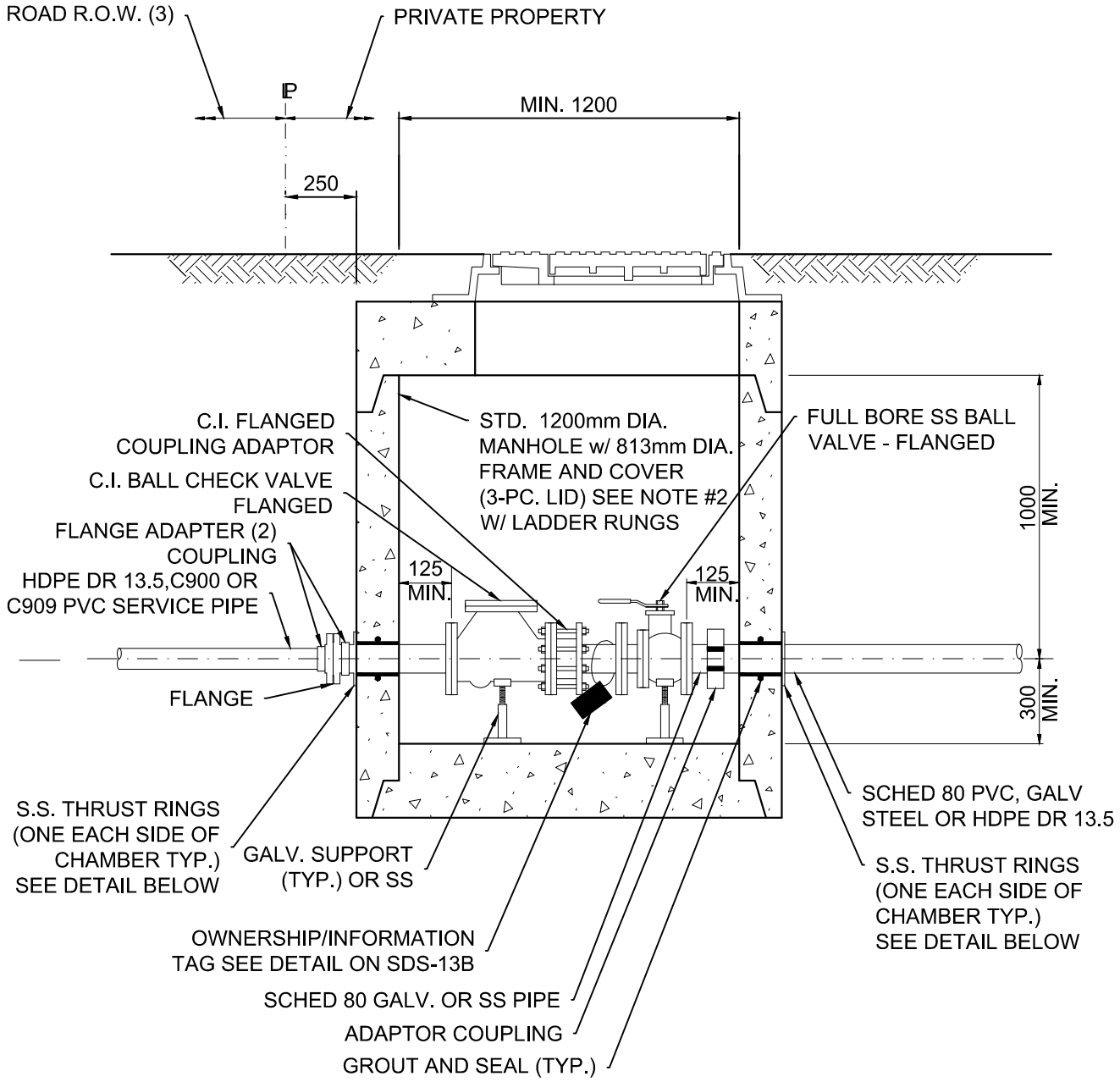
Title:

MANHOLE FOR SANITARY FORCEMAIN

NEW WESTMINSTER

Suppl. Drawing No. SDS-9

May 15 2023 – 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-9 – Manhole for Pressure Sewers.dwg/Manhole for Pressure Sewers GLazareva



PROPERTY LINE CHAMBER DETAIL FOR 100mm AND LARGER

N.T.S.

NOTES:

1. SS GRADE 304 OR 316.
2. ONLY REQUIRED FOR CONNECTING FLANGE TO PVC PIPE.
3. VALVE REQUIRED, ON SERVICE CONNECTION, AT MAIN LINE TEE/WYE.

No.	Revision	Approved

Scale: N.T.S

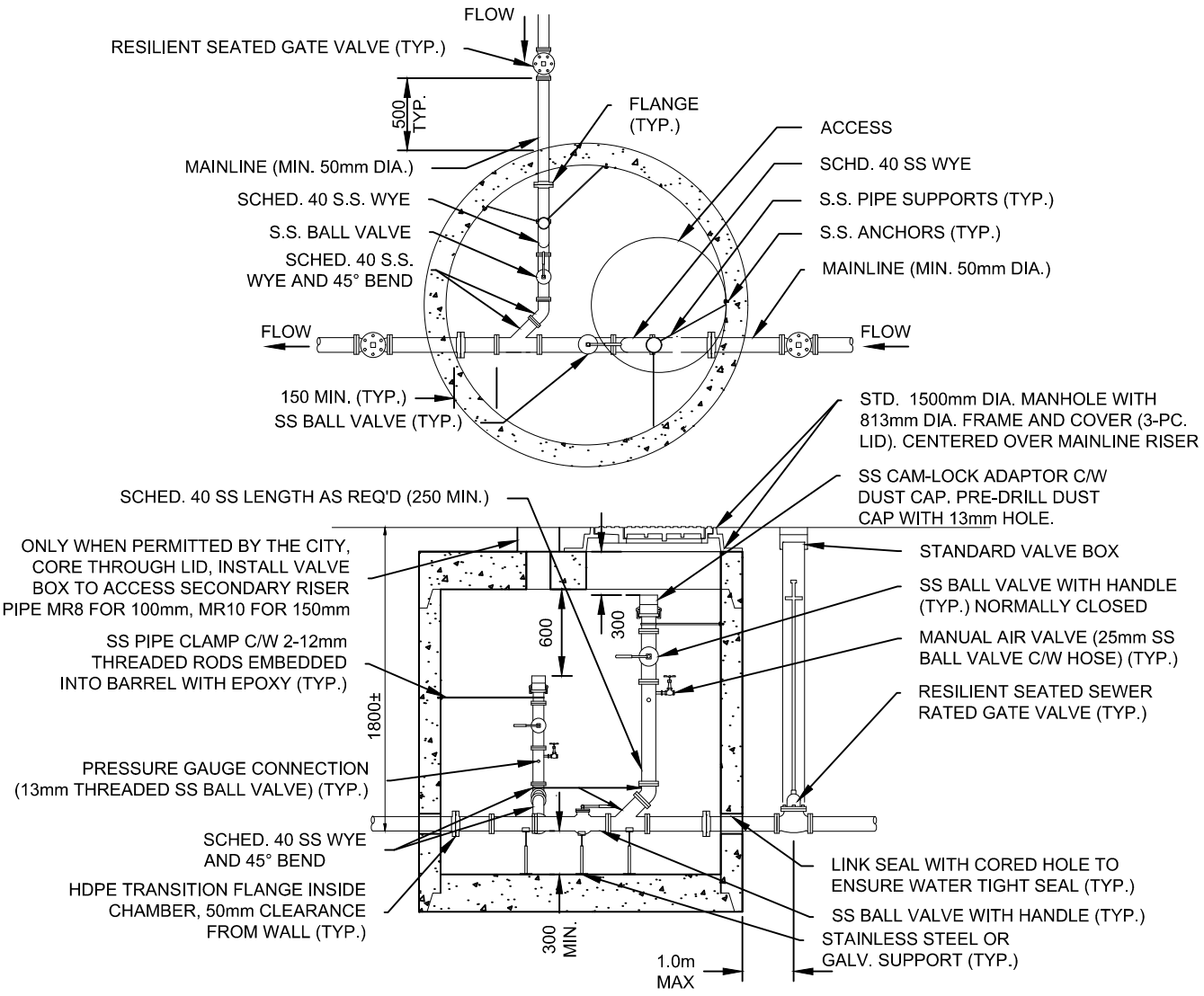
Date: Mar, 2023

Title: **TYPICAL SANITARY FORCEMAIN CONNECTION P.L. CHAMBER**

NEW WESTMINSTER

Suppl. Drawing No. SDS-10

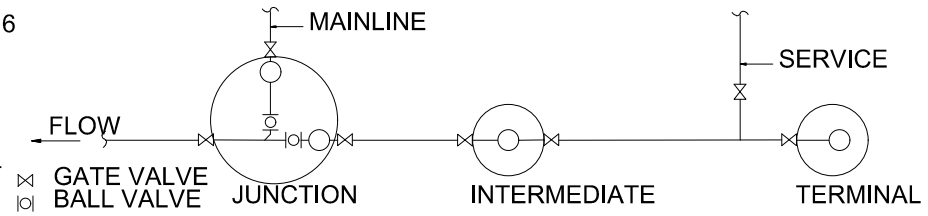
May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-10 - Typical Sanitary Forcemain Connection P.L. Chamber.dwg/Typ. Low Pressure Sewer Connection P.L. Chamber GLazareva



NOTES:

1. CLEANOUT RISER, VALVE AND CAM-LOCK TO BE SAME SIZE AS DOWNSTREAM PIPE, WITH MIN. 100Ø RISER VALVE AND CAM-LOCK.
2. CLEANOUT RISER, FITTING AND VALVE DETAILS COMMON FOR ALL CLEANOUT TYPES.
3. BALL VALVES TO BE FULL PORTED.
4. ALL FITTINGS TO BE FLANGED.
5. 1500mm DIA. MANHOLE REQUIRED FOR 100mm AND 75mm FORCEMAINS AS SHOWN. ADJUST AS REQUIRED FOR DIFFERENT SIZES.
6. SEE MMCD STANDARD MANHOLE DRAWING FOR RUNGS AND OTHER DETAILS. SEAL RISER JOINTS TO ENSURE WATERTIGHT.
7. DESIGN ENG ENSURE ALL COMPONENTS FIT INSIDE MH AND IN COMPLIANCE WITH WCB REQUIREMENTS.
8. SS TO BE GRADE 304 OR 316

CLEANOUT TYPES



No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

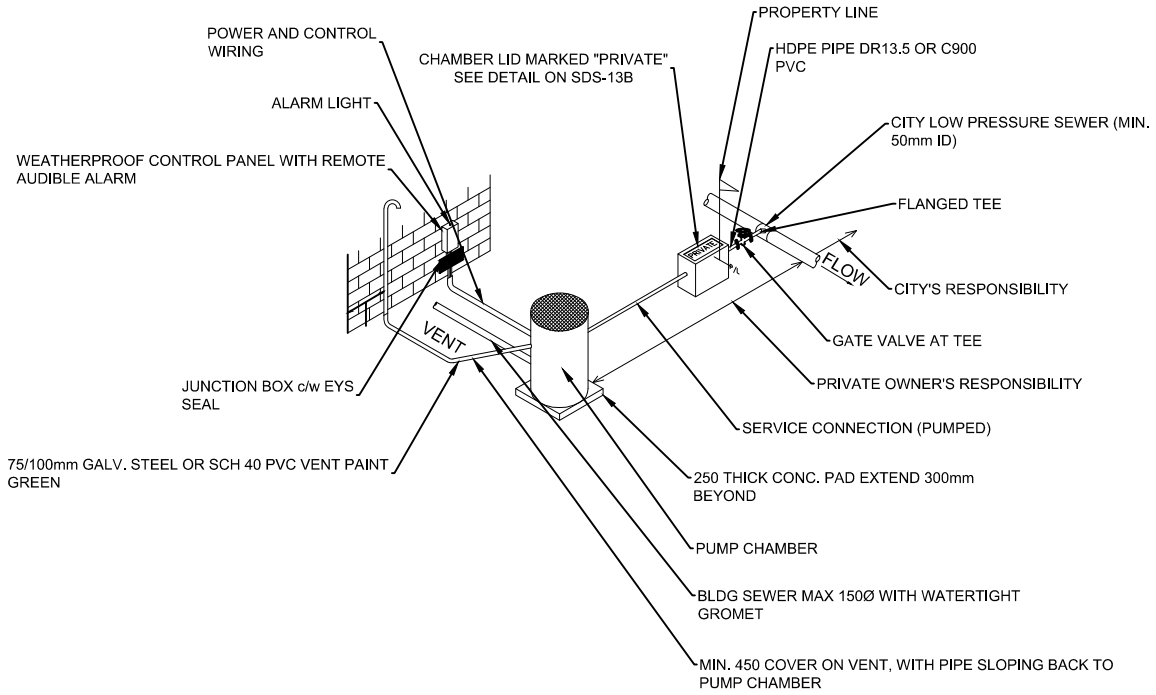
Title:

CLEANOUT MANHOLE FOR SANITARY FORCEMAIN

NEW WESTMINSTER

Suppl. Drawing No. SDS-11

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-11 - Cleanout Manhole for Sanitary Forcemain.dwg/Cleanout Manhole for Low Pressure Sewers GLazareva



TYPICAL SANITARY FORCEMAIN & PRIVATE PUMP SYSTEM CONFIGURATION FOR ALL SERVICE SIZES

N.T.S.

NOTES:

1. CONTROL PANEL MAY BE LOCATED INSIDE BUILDING OR ON POST ADJACENT TO PUMP CHAMBER IF APPROVED BY CITY.
2. VENT MAY BE CONNECTED TO BUILDING VENT SYSTEM OR LOCATED ADJACENT TO PUMP CHAMBER IF APPROVED BY CITY.
3. ALL PIPE SIZES REFER TO INSIDE DIAMETER (I.D.).
4. THRUST RING SLIPPED OVER PIPE AND HELD IN PLACE BY COUPLING OR FLANGE.
5. PROPERTY OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL SEWER CONNECTION COMPONENTS INCLUDING PIPE BETWEEN PROPERTY LINE AND THE CITY SEWER.
6. CHAMBER ACCESS IS TO BE UNOBSTRUCTED.
7. CITY STAFF OR AGENTS ARE ALLOWED UNRESTRICTED ACCESS TO CHAMBER.
8. SS TO BE GRADE 304 OR 316

No.	Revision	Approved

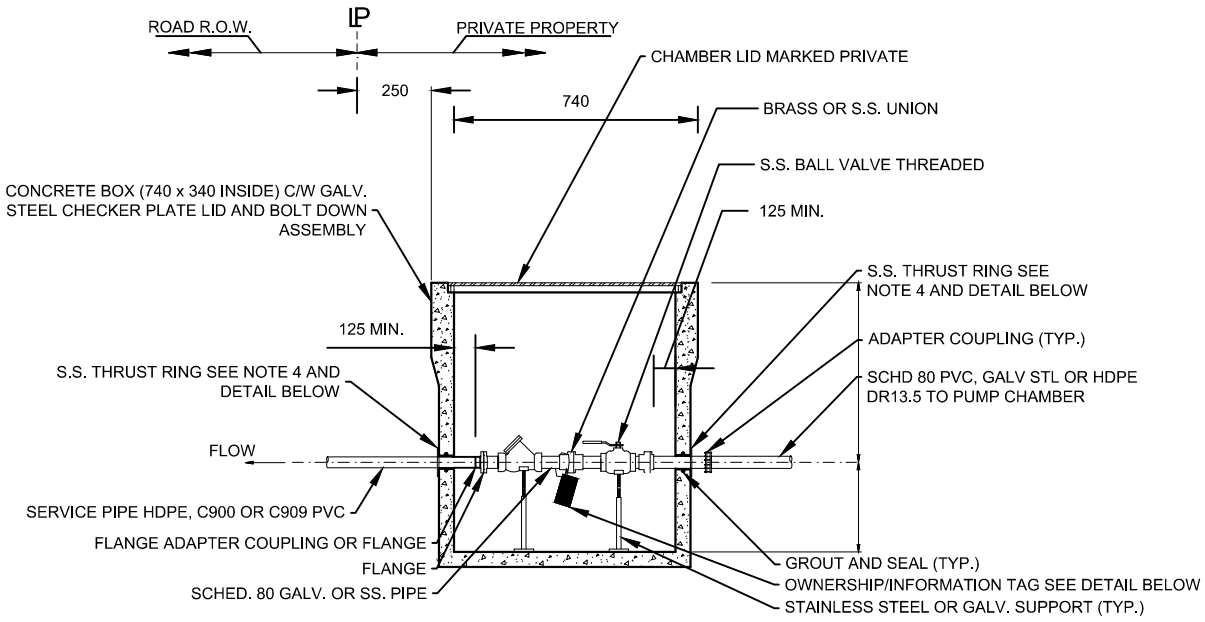
Scale: N.T.S | Date: Mar, 2023

Title: **PRIVATE PUMP SYSTEM CONFIGURATION (LAYOUT)**

NEW WESTMINSTER

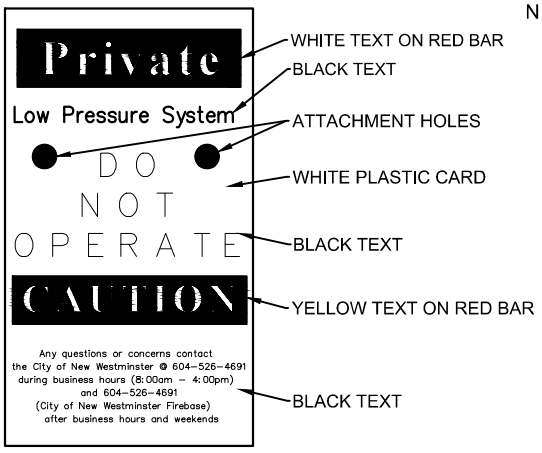
Suppl. Drawing No. SDS-12A

May 15 2023 – 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-12 – Private Pump System Configuration.dwg/Private Pump System Configuration GLazareva



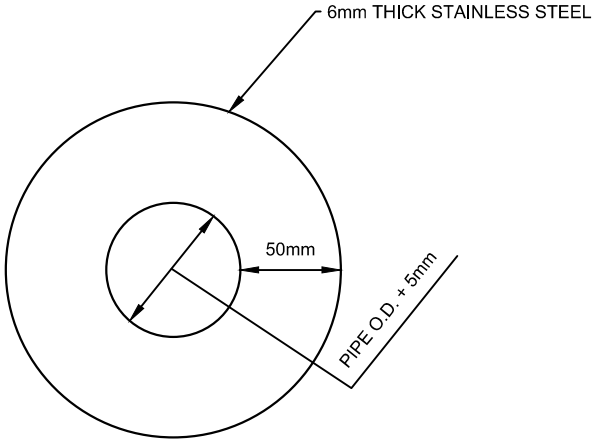
P.L. CHAMBER DETAIL UP TO 75mm SANITARY FORCEMAIN SERVICE CONNECTION

N.T.S.



OWNERSHIP/INFORMATION TAG DETAIL

N.T.S.



THRUST RING DETAIL

N.T.S.

NOTES:

1. CONTROL PANEL MAY BE LOCATED INSIDE BUILDING OR ON POST ADJACENT TO PUMP CHAMBER IF APPROVED BY CITY.
2. VENT MAY BE CONNECTED TO BUILDING VENT SYSTEM OR LOCATED ADJACENT TO PUMP CHAMBER IF APPROVED BY CITY.
3. ALL PIPE SIZES REFER TO INSIDE DIAMETER (I.D.).
4. THRUST RING SLIPPED OVER PIPE AND HELD IN PLACE BY COUPLING OR FLANGE.
5. PROPERTY OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL SEWER CONNECTION COMPONENTS INCLUDING PIPE BETWEEN PROPERTY LINE AND THE CITY SEWER.
6. CHAMBER ACCESS IS TO BE UNOBSTRUCTED.
7. CITY STAFF OR AGENTS ARE ALLOWED UNRESTRICTED ACCESS TO CHAMBER.
8. SS TO BE GRADE 304 OR 316

No.	Revision	Approved

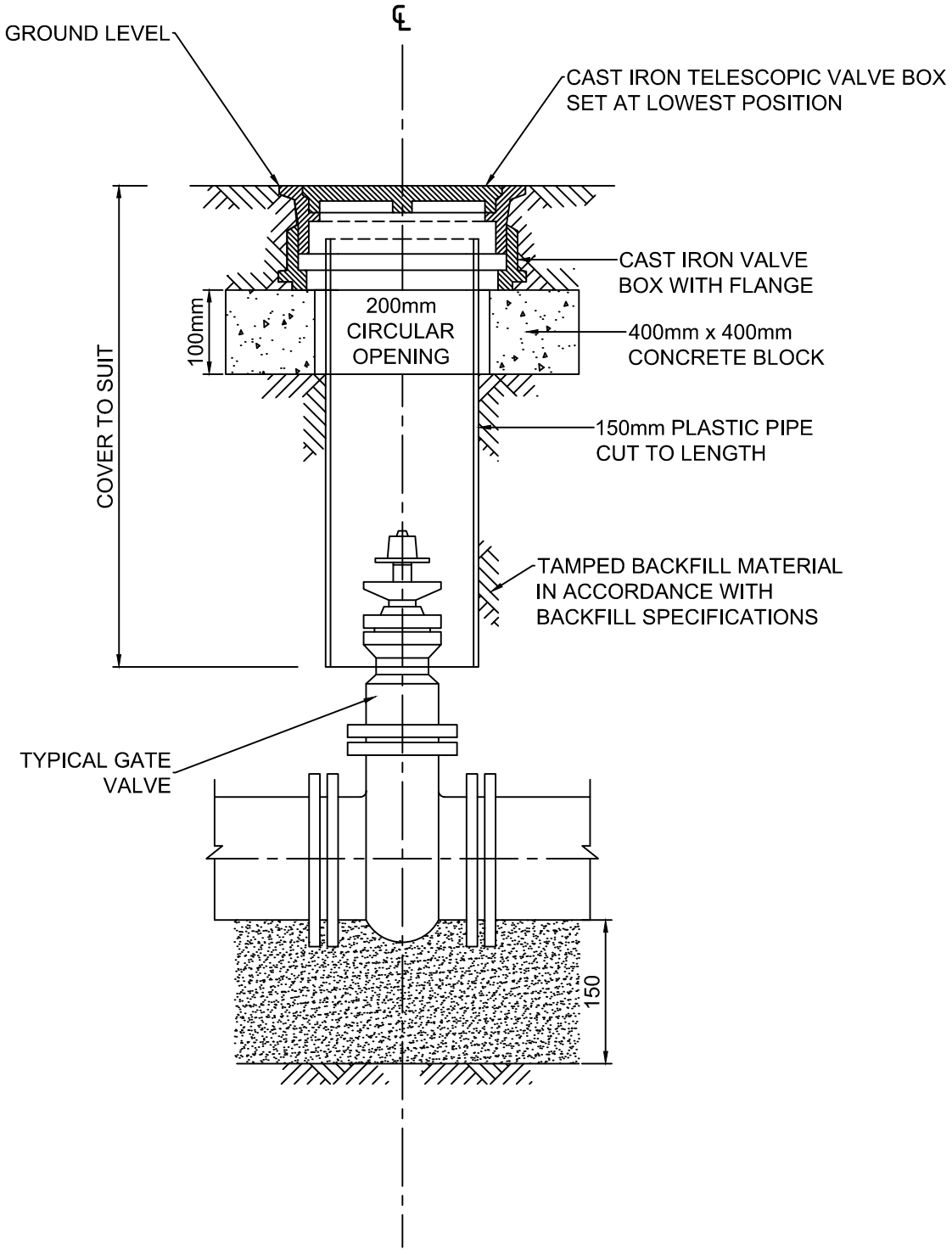
Scale: N.T.S | Date: Mar, 2023

Title: **PRIVATE PUMP SYSTEM CONFIGURATION (DETAIL)**

NEW WESTMINSTER

Suppl. Drawing No. SDS-12B

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDS-12 - Private Pump System Configuration.dwg/Private Pump System Configuration - 2 Glazareva



No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

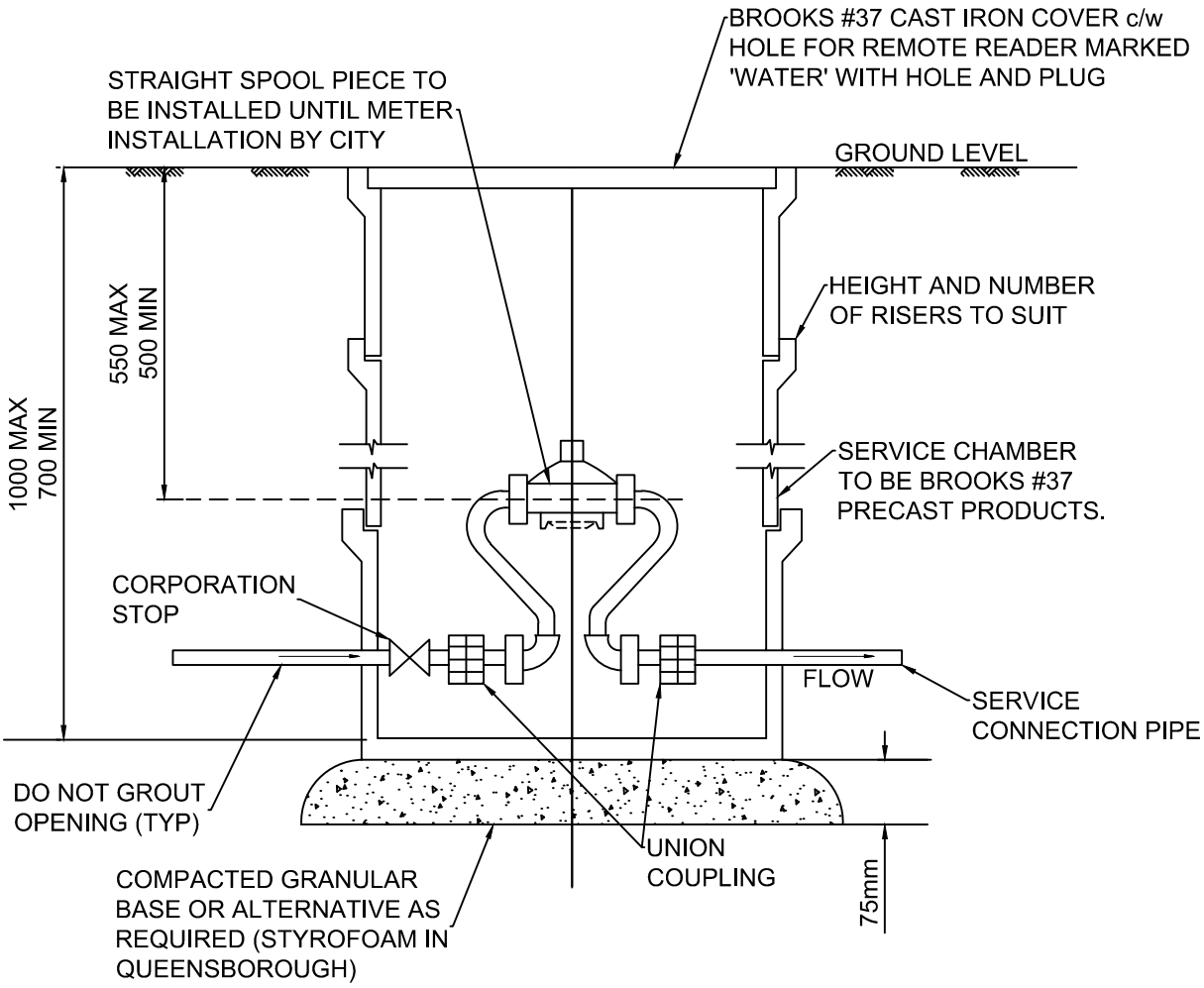
Title:

GATE VALVE COVER INSTALLATION

NEW WESTMINSTER

Suppl. Drawing No. SDW-1

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDW-1 - Gate Valve Cover Installation.dwg/Gate Valve Cover Installation GLazareva



NOTES:

1. METER TO BE SUPPLIED AND INSTALLED BY CITY.
2. METER SETTERS TO BE EQUIPPED WITH LOCKABLE INLET VALVE, SINGLE CHECK OUTLET VALVE, AND SOLDER CLAMP AND PACK JOINT CONNECTION BOTH ENDS.
3. REFER TO MMCD STANDARD DRAWINGS FOR DETAIL OF SERVICE CONNECTION TO WATERMAIN.

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

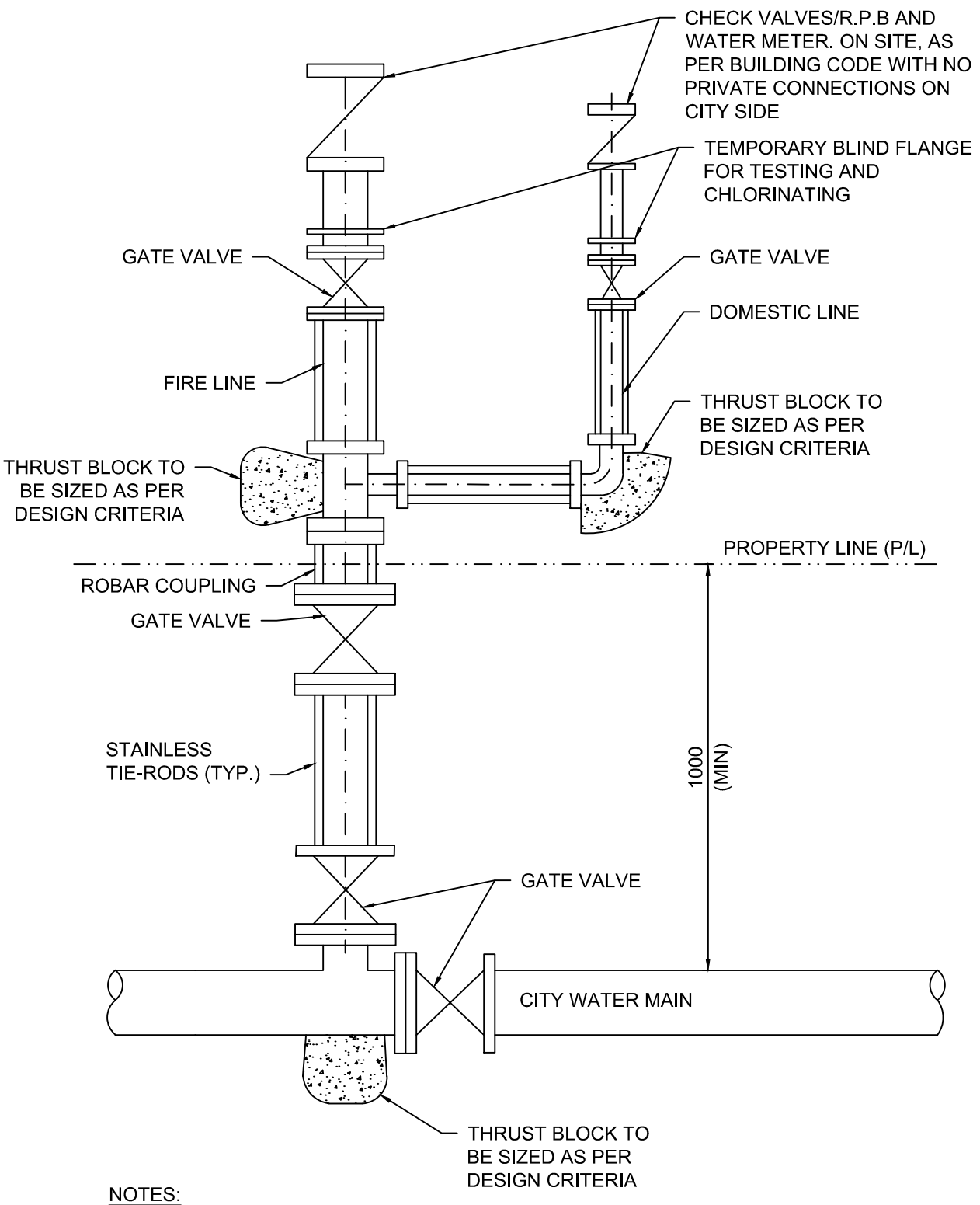
Title:

WATER METER FOR 19MM & 25MM SERVICE CONNECTION

NEW WESTMINSTER

Suppl. Drawing No. SDW-2

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDW-2 - Water Meter for 19mm & 25mm Service Connection.dwg/Water Meter for 19mm & 25mm Service Connection GLazareva



NOTES:

1. WATER METER (DOMESTIC FLOW ONLY) TO BE LOCATED ON PRIVATE PROPERTY. CONTACT 604-526-4691

No.	Revision	Approved

Scale: N.T.S

Date: Mar, 2023

Title:

FIRE DOMESTIC SPLIT

NEW WESTMINSTER

Suppl. Drawing No. SDW-3

May 15 2023 - 11:14am M:\HEAD\2023\23-013\DWG\OFFSITE PRODUCTION\Supplementary Detail Drawings\SDW-3 - Fire Domestic Split On Site - Valve Location.dwg/Fire Domestic Split GLazareva