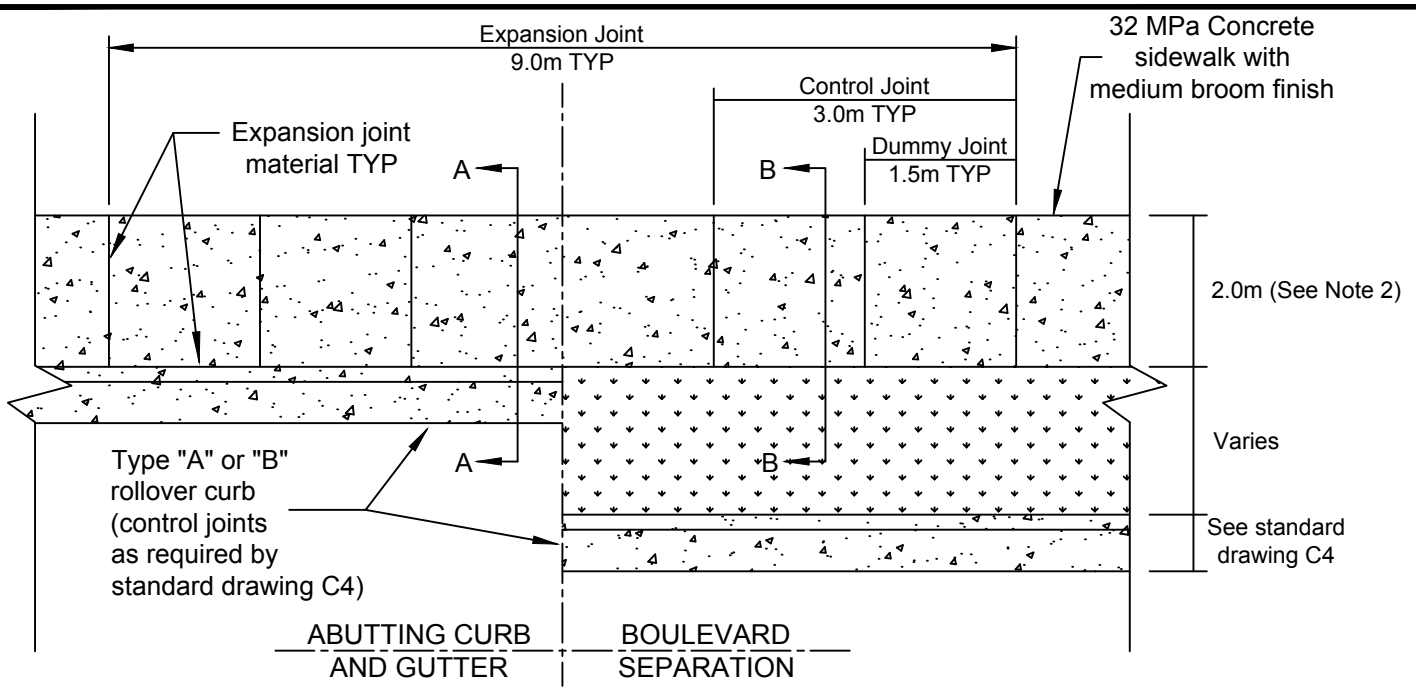
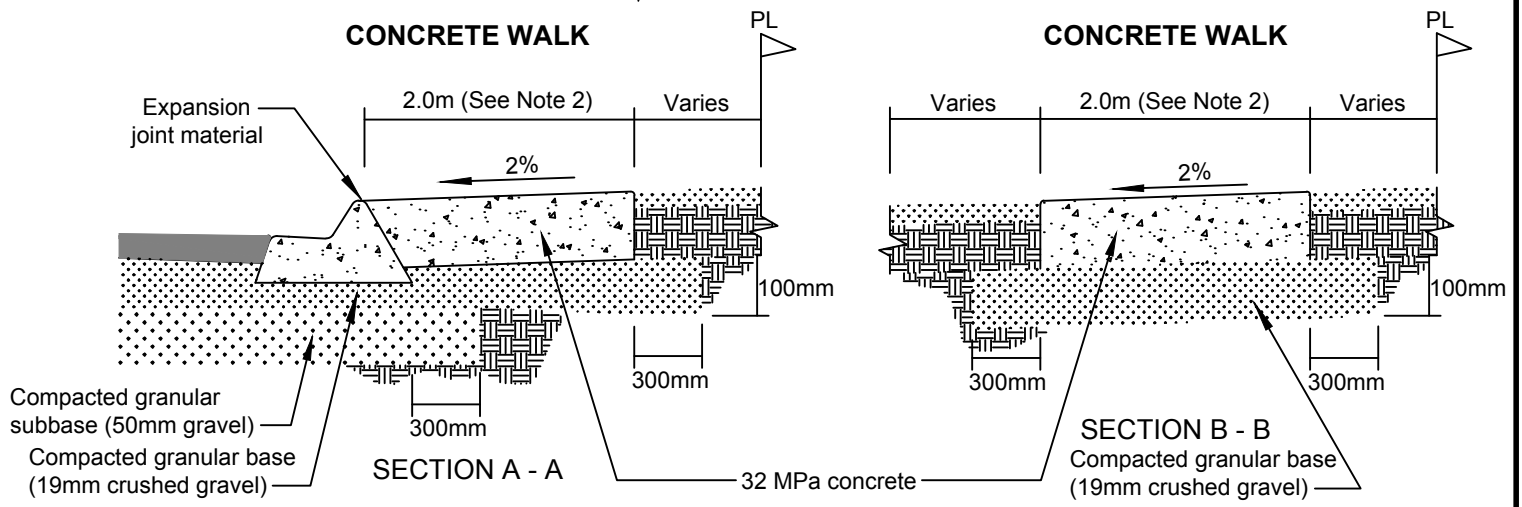
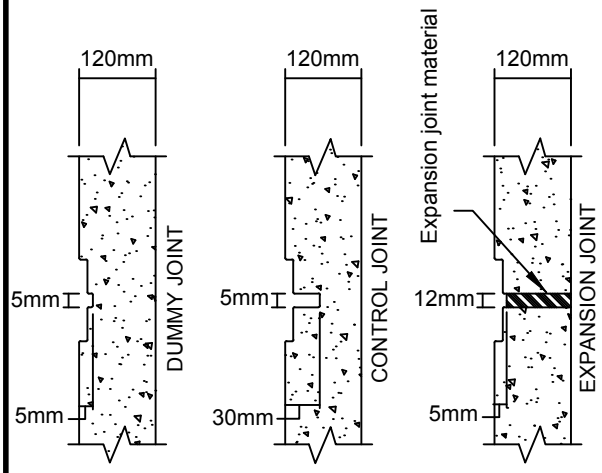
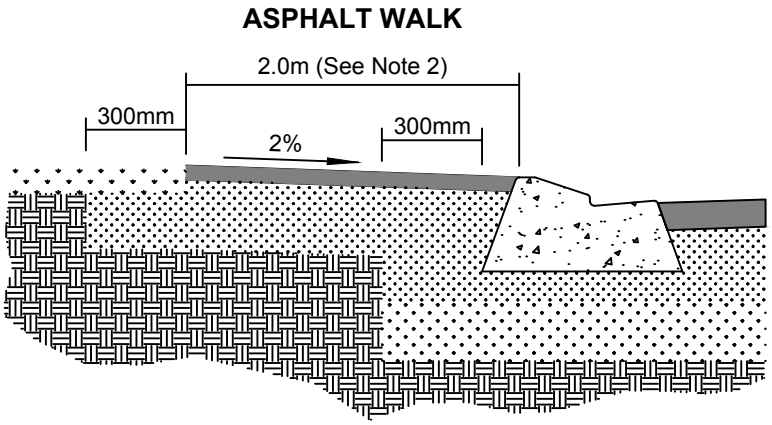




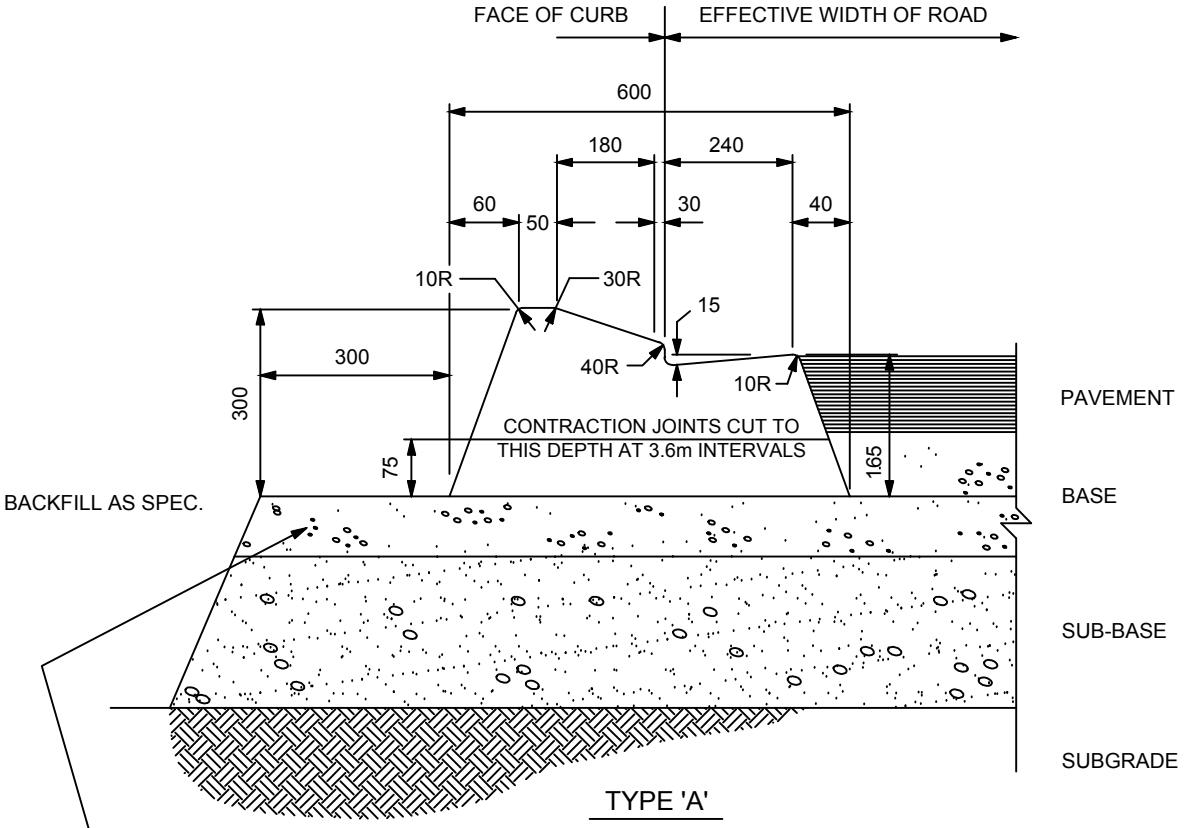




Notes:
1. Refer to Section 02523 of the Master Municipal Construction Document for detailed specifications.
2. Minimum 1.5m with preference for 2.0m width.

WHISTLER

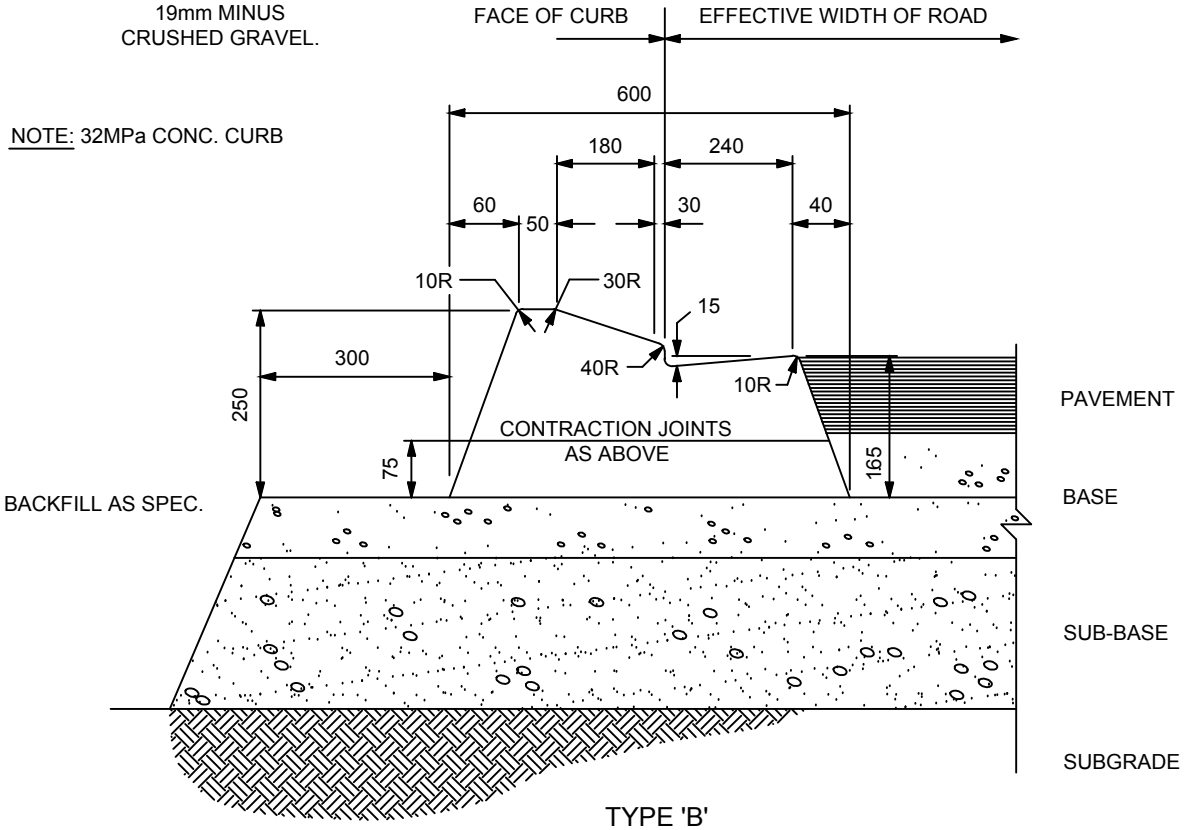
RESORT MUNICIPALITY of WHISTLER	
SIDEWALKS	
DRAWN BY: RA & BL	DATE: JANUARY 2019
SCALE: N.T.S.	DWG. NO.: C2



TYPE 'A'

MIN. 50 THICK
19mm MINUS
CRUSHED GRAVEL.

NOTE: 32MPa CONC. CURB



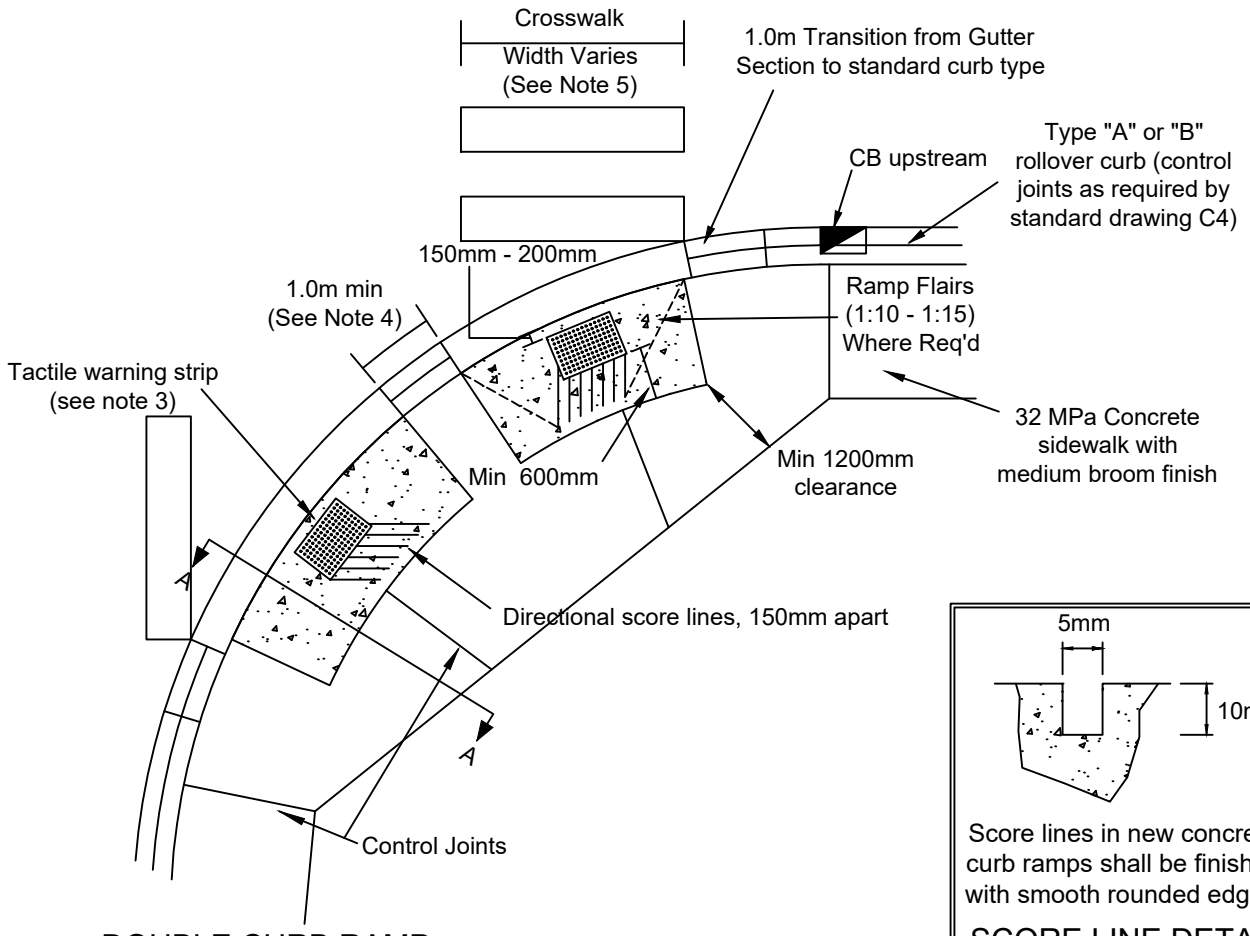
TYPE 'B'

WHISTLER

RESORT MUNICIPALITY of WHISTLER

MOUNTABLE CURB AND GUTTER SECTION

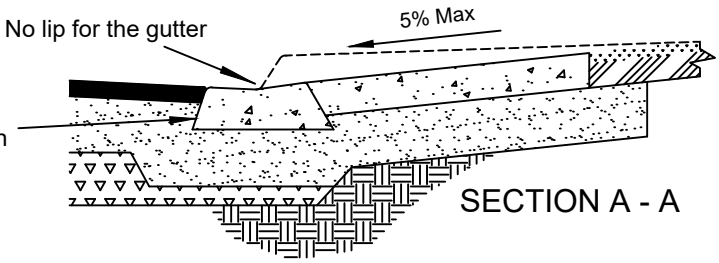
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: C4



DOUBLE CURB RAMP

Score lines in new concrete curb ramps shall be finished with smooth rounded edges.

SCORE LINE DETAIL



Refer to C2 - Concrete Sidewalk and C4 - Curb and Gutter Section for additional information.

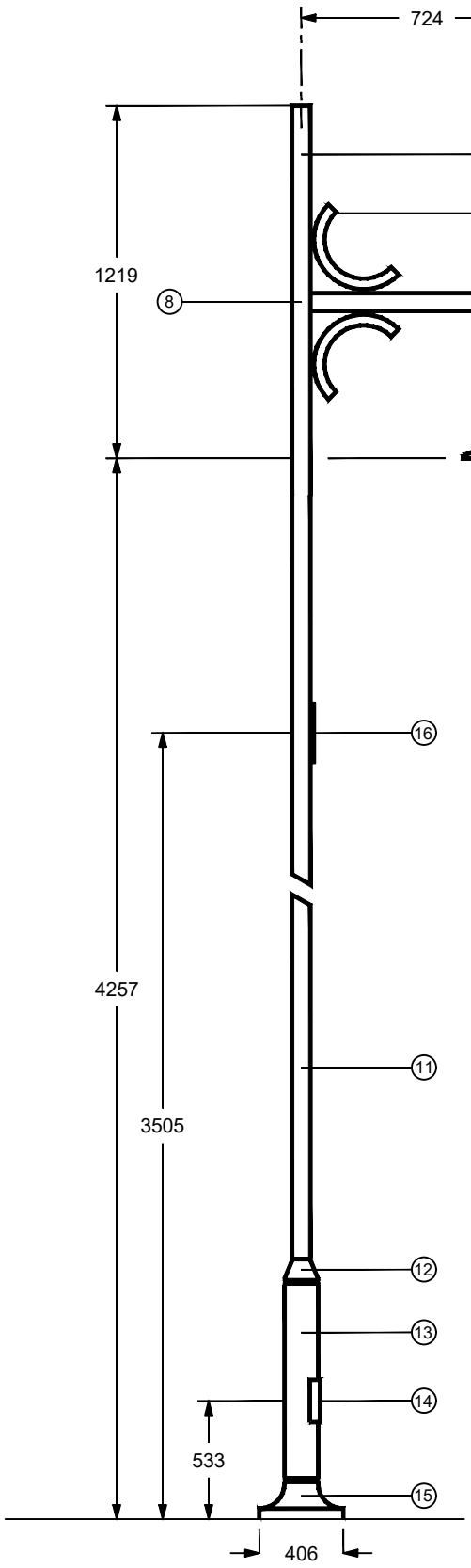
SECTION A - A

NOTE

1. Refer to Section 03 30 20 of the Master Municipal Construction Document for detailed specifications.
2. When the sidewalk is separated from the curb by a boulevard, the concept of this detail is to be incorporated into the design.
3. Tactile warning strip to be 24"x36" Herculite Series, as supplied by Armour Tile, or approved equal. Colour to be "Federal Yellow" (Armour Tile Colour No. 33538).
4. Where 1.0m is not available between the concrete pads continue the gutter section through to the farside of the second pad.
5. The gutter section is to match the width of the crosswalk (Valley Trail Crossings are a standard 3.0m wide) The transition curb is to start on the out side of the crosswalk area.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
WHEELCHAIR RAMP AT INTERSECTIONS	
DRAWN BY: R.A., B.L., J.D.	DATE: JANUARY 2020
SCALE: N.T.S.	DWG. NO.: C9



NOTES:

1. LENS: MADE OF SODA-LIME CLEAR TEMPERED FLAT GLASS LENS
2. LEDs: 48 HIGH-PERFORMANCE WHITE LEDs; ANSI/NEMA BIN NEUTRAL WHITE; 4000 KELVIN; CRI 70 MIN, 75 TYPICAL
3. OPTICS: IES TYPE II (ASYMMETRICAL); COMPOSED OF HIGH-PERFORMANCE OPTICAL GRADE PMMA ACRYLIC REFRACTOR LENSES
4. LOCKING SYSTEM: MADE OF CAST ALUMINUM; MECHANICALLY HELD
5. DRIVER: HIGH POWER FACTOR OF 90% MINIMUM; INPUT FROM 120 TO 347 VAC RATED FOR BOTH APPLICATION LINE TO LINE OR LINE TO NEUTRAL
6. HOUSING: LOWER HOUSING: MADE OF CAST 356 ALUMINUM, C/W, WATERTIGHT GROMMET, MECHANICALLY ASSEMBLED TO THE BRACKET WITH FOUR BOLTS 3/8-16 UNC. PERMITS FOR A FULL ROTATION IN 90 DEGREE INCREMENTS
7. ADAPTOR: MADE OF CAST ALUMINUM; WELDED TO THE ARM
8. ARM: MADE OF CAST ALUMINUM; TUBING 60mm o.d.; WELDED TO THE CENTRAL TUBING
9. DECORATIVE SCROLL: MADE OF CAST ALUMINUM; WELDED TO THE ARM AND CENTRAL TUBING
10. CENTRAL TUBING: MADE OF ALUMINUM; 102mm o.d. c/w A TENON PENETRATING 305mm INSIDE THE POLE; MECHANICALLY HELD
11. POLE: MADE OF STEEL; 102mm o.d. 5mm WALL THICKNESS; WELDED TO THE BASE
12. DECORATIVE COVER: MADE OF CAST ALUMINUM; MECHANICALLY HELD TO THE POLE
13. BASE: MADE OF STEEL; 188mm o.d. 4mm WALL THICKNESS; WELDED TO THE ANCHOR PLATE
14. ACCESS DOOR: MADE OF ALUMINUM; COVERING AN OPENING OF 102mm x 229mm; GIVING ACCESS TO A GROUND LUG
15. BASE COVER: MADE OF A TWO-PIECE CAST ALUMINUM COMPONENT; MECHANICALLY HELD
16. RECEPTACLE: DUPLEX RECEPTACLE; 15A 120V c/w WEATHERPROOF COVER

GASKETTING: NEOPRENE AND SILICONE GASKETTING IS APPLIED

HARDWARE: ALL EXPOSED SCREWS WILL BE STAINLESS STEEL

FINISH: AN APPLICATION OF A ASTM D2244 STANDARD THERMOSETTING POLYESTER POWDER COAT PAINT;

COLOUR: TO BE AAMA 2603 STANDARD TEXTURED DARK BLUE (BE2TX) (NOTE: DIFFERENT COLOUR FOR CREEKSIDE NEIGHBOURHOOD)

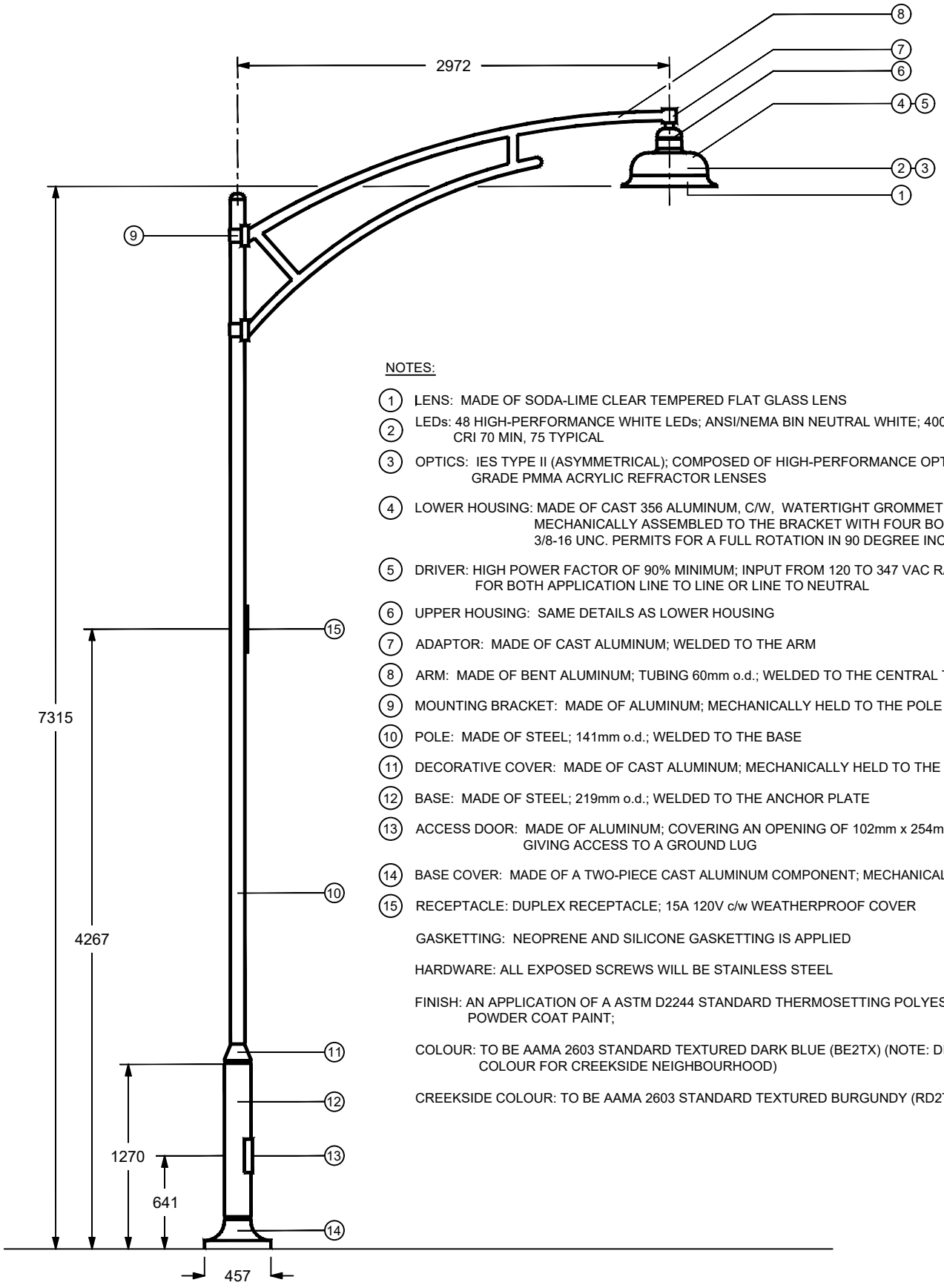
CREEKSIDE COLOUR: TO BE AAMA 2603 STANDARD TEXTURED BURGUNDY (RD2TX)

WHISTLER

RESORT MUNICIPALITY of WHISTLER

TRAIL & PEDESTRIAN LIGHT DETAILS

DRAWN BY: BL, NW	DATE: JUNE 2019
SCALE: N.T.S.	DWG. NO.: E1



NOTES:

1. LENS: MADE OF SODA-LIME CLEAR TEMPERED FLAT GLASS LENS
2. LEDs: 48 HIGH-PERFORMANCE WHITE LEDs; ANSI/NEMA BIN NEUTRAL WHITE; 4000 KELVIN; CRI 70 MIN, 75 TYPICAL
3. OPTICS: IES TYPE II (ASYMMETRICAL); COMPOSED OF HIGH-PERFORMANCE OPTICAL GRADE PMMA ACRYLIC REFRACTOR LENSES
4. LOWER HOUSING: MADE OF CAST 356 ALUMINUM, C/W, WATERTIGHT GROMMET, MECHANICALLY ASSEMBLED TO THE BRACKET WITH FOUR BOLTS 3/8-16 UNC. PERMITS FOR A FULL ROTATION IN 90 DEGREE INCREMENTS
5. DRIVER: HIGH POWER FACTOR OF 90% MINIMUM; INPUT FROM 120 TO 347 VAC RATED FOR BOTH APPLICATION LINE TO LINE OR LINE TO NEUTRAL
6. UPPER HOUSING: SAME DETAILS AS LOWER HOUSING
7. ADAPTOR: MADE OF CAST ALUMINUM; WELDED TO THE ARM
8. ARM: MADE OF BENT ALUMINUM; TUBING 60mm o.d.; WELDED TO THE CENTRAL TUBING
9. MOUNTING BRACKET: MADE OF ALUMINUM; MECHANICALLY HELD TO THE POLE
10. POLE: MADE OF STEEL; 141mm o.d.; WELDED TO THE BASE
11. DECORATIVE COVER: MADE OF CAST ALUMINUM; MECHANICALLY HELD TO THE POLE
12. BASE: MADE OF STEEL; 219mm o.d.; WELDED TO THE ANCHOR PLATE
13. ACCESS DOOR: MADE OF ALUMINUM; COVERING AN OPENING OF 102mm x 254mm; GIVING ACCESS TO A GROUND LUG
14. BASE COVER: MADE OF A TWO-PIECE CAST ALUMINUM COMPONENT; MECHANICALLY HELD
15. RECEPTACLE: DUPLEX RECEPTACLE; 15A 120V c/w WEATHERPROOF COVER

GASKETTING: NEOPRENE AND SILICONE GASKETTING IS APPLIED

HARDWARE: ALL EXPOSED SCREWS WILL BE STAINLESS STEEL

FINISH: AN APPLICATION OF A ASTM D2244 STANDARD THERMOSETTING POLYESTER POWDER COAT PAINT;

COLOUR: TO BE AAMA 2603 STANDARD TEXTURED DARK BLUE (BE2TX) (NOTE: DIFFERENT COLOUR FOR CREEKSIDE NEIGHBOURHOOD)

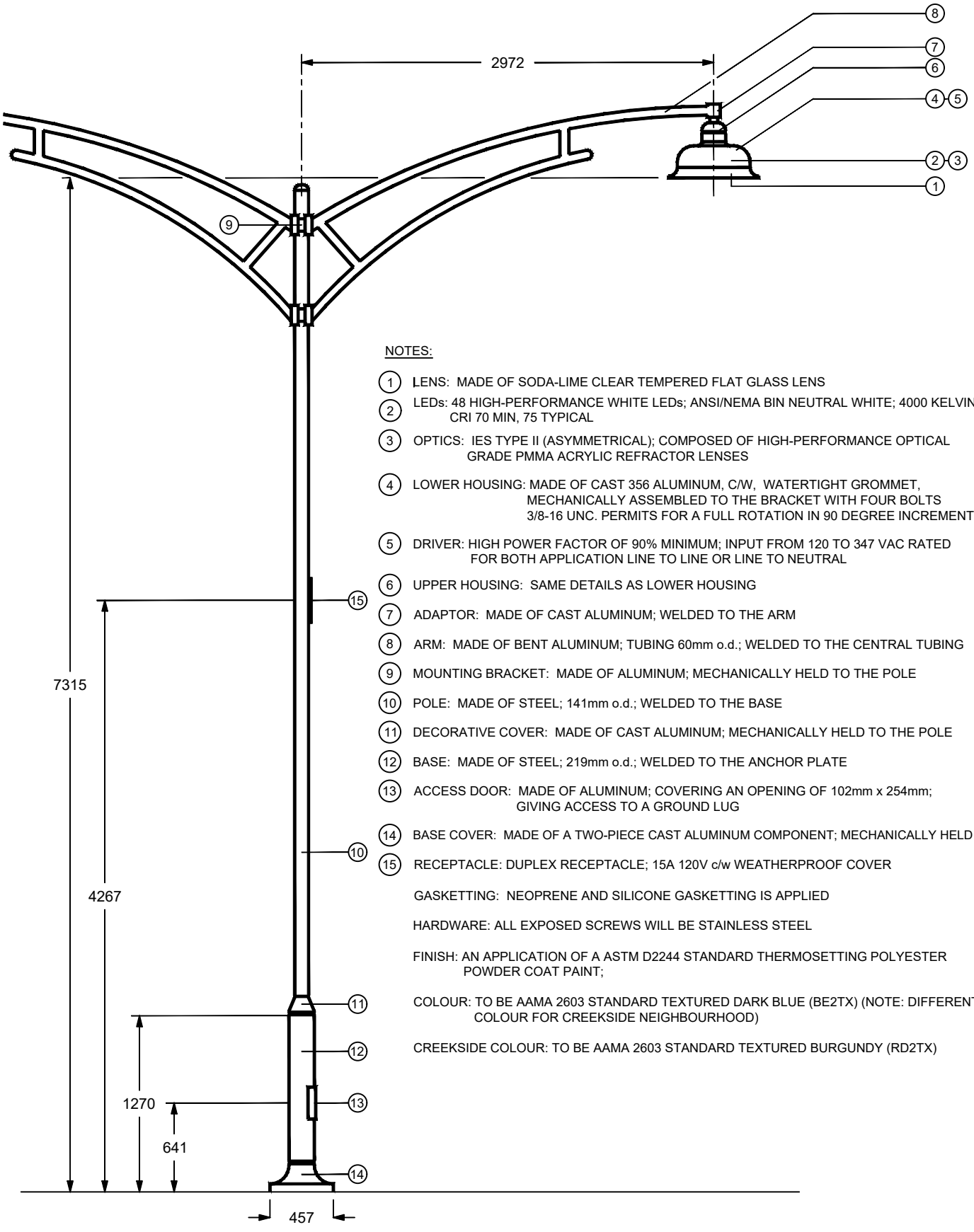
CREEKSIDE COLOUR: TO BE AAMA 2603 STANDARD TEXTURED BURGUNDY (RD2TX)

WHISTLER

RESORT MUNICIPALITY of WHISTLER

TYPICAL ROADWAY LIGHT DETAILS

DRAWN BY: BL, NW	DATE: JUNE 2019
SCALE: N.T.S.	DWG. NO.: E2



NOTES:

1. LENS: MADE OF SODA-LIME CLEAR TEMPERED FLAT GLASS LENS
2. LEDs: 48 HIGH-PERFORMANCE WHITE LEDs; ANSI/NEMA BIN NEUTRAL WHITE; 4000 KELVIN; CRI 70 MIN, 75 TYPICAL
3. OPTICS: IES TYPE II (ASYMMETRICAL); COMPOSED OF HIGH-PERFORMANCE OPTICAL GRADE PMMA ACRYLIC REFRACTOR LENSES
4. LOWER HOUSING: MADE OF CAST 356 ALUMINUM, C/W, WATERTIGHT GROMMET, MECHANICALLY ASSEMBLED TO THE BRACKET WITH FOUR BOLTS 3/8-16 UNC. PERMITS FOR A FULL ROTATION IN 90 DEGREE INCREMENTS
5. DRIVER: HIGH POWER FACTOR OF 90% MINIMUM; INPUT FROM 120 TO 347 VAC RATED FOR BOTH APPLICATION LINE TO LINE OR LINE TO NEUTRAL
6. UPPER HOUSING: SAME DETAILS AS LOWER HOUSING
7. ADAPTOR: MADE OF CAST ALUMINUM; WELDED TO THE ARM
8. ARM: MADE OF BENT ALUMINUM; TUBING 60mm o.d.; WELDED TO THE CENTRAL TUBING
9. MOUNTING BRACKET: MADE OF ALUMINUM; MECHANICALLY HELD TO THE POLE
10. POLE: MADE OF STEEL; 141mm o.d.; WELDED TO THE BASE
11. DECORATIVE COVER: MADE OF CAST ALUMINUM; MECHANICALLY HELD TO THE POLE
12. BASE: MADE OF STEEL; 219mm o.d.; WELDED TO THE ANCHOR PLATE
13. ACCESS DOOR: MADE OF ALUMINUM; COVERING AN OPENING OF 102mm x 254mm; GIVING ACCESS TO A GROUND LUG
14. BASE COVER: MADE OF A TWO-PIECE CAST ALUMINUM COMPONENT; MECHANICALLY HELD
15. RECEPTACLE: DUPLEX RECEPTACLE; 15A 120V c/w WEATHERPROOF COVER

GASKETTING: NEOPRENE AND SILICONE GASKETTING IS APPLIED

HARDWARE: ALL EXPOSED SCREWS WILL BE STAINLESS STEEL

FINISH: AN APPLICATION OF A ASTM D2244 STANDARD THERMOSETTING POLYESTER POWDER COAT PAINT;

COLOUR: TO BE AAMA 2603 STANDARD TEXTURED DARK BLUE (BE2TX) (NOTE: DIFFERENT COLOUR FOR CREEKSIDE NEIGHBOURHOOD)

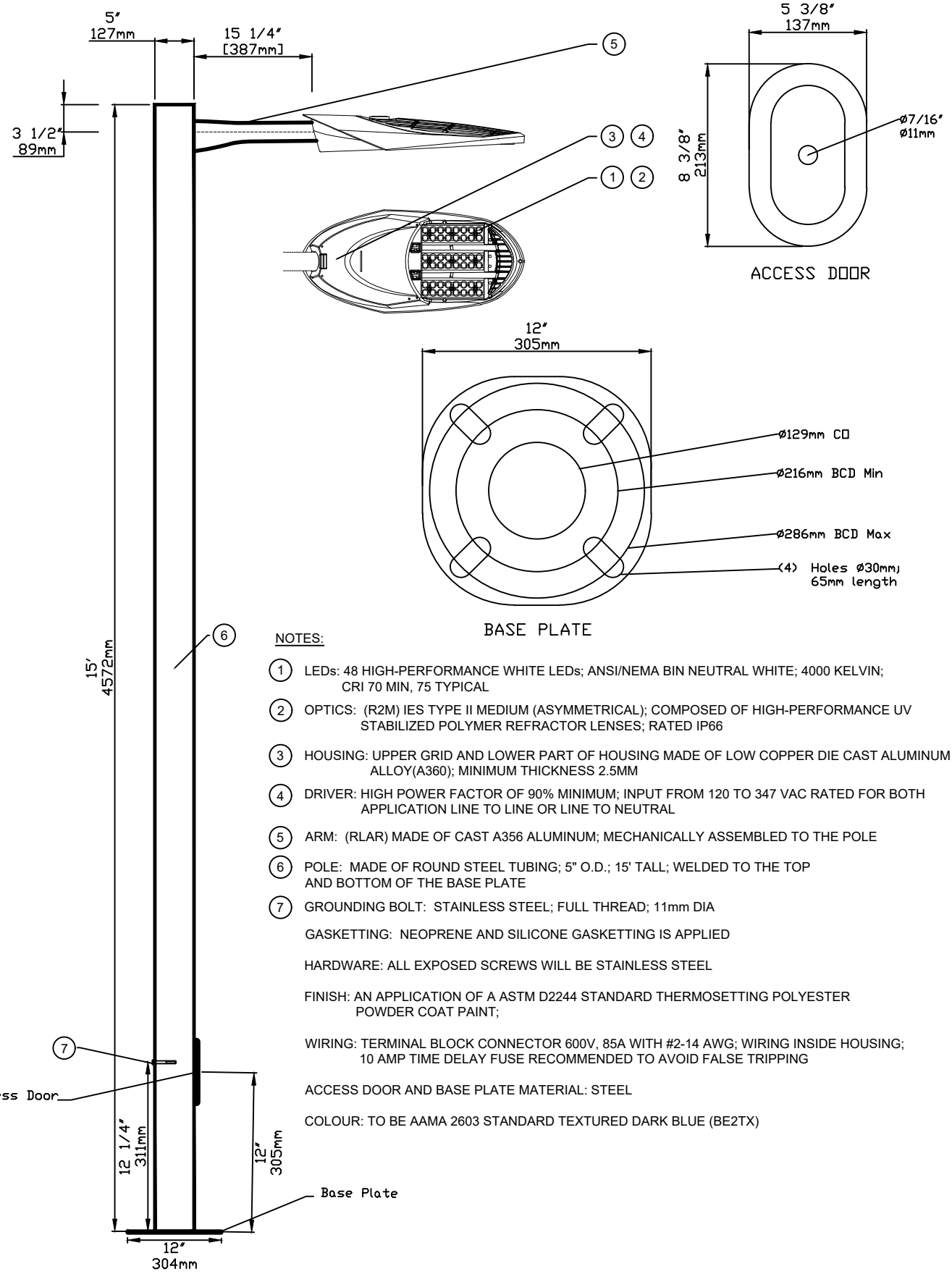
CREEKSIDE COLOUR: TO BE AAMA 2603 STANDARD TEXTURED BURGUNDY (RD2TX)

WHISTLER

RESORT MUNICIPALITY of WHISTLER

TYPICAL DOUBLE DAVIT ROADWAY LIGHT DETAILS

DRAWN BY: BL, NW	DATE: JUNE 2019
SCALE: N.T.S.	DWG. NO.: E3



NOTES:

1. LEDs: 48 HIGH-PERFORMANCE WHITE LEDs; ANSI/NEMA BIN NEUTRAL WHITE; 4000 KELVIN; CRI 70 MIN, 75 TYPICAL
2. OPTICS: (R2M) IES TYPE II MEDIUM (ASYMMETRICAL); COMPOSED OF HIGH-PERFORMANCE UV STABILIZED POLYMER REFRACTOR LENSES; RATED IP66
3. HOUSING: UPPER GRID AND LOWER PART OF HOUSING MADE OF LOW COPPER DIE CAST ALUMINUM ALLOY(A360); MINIMUM THICKNESS 2.5MM
4. DRIVER: HIGH POWER FACTOR OF 90% MINIMUM; INPUT FROM 120 TO 347 VAC RATED FOR BOTH APPLICATION LINE TO LINE OR LINE TO NEUTRAL
5. ARM: (RLAR) MADE OF CAST A356 ALUMINUM; MECHANICALLY ASSEMBLED TO THE POLE
6. POLE: MADE OF ROUND STEEL TUBING; 5" O.D.; 15' TALL; WELDED TO THE TOP AND BOTTOM OF THE BASE PLATE
7. GROUNDING BOLT: STAINLESS STEEL; FULL THREAD; 11mm DIA

GASKETTING: NEOPRENE AND SILICONE GASKETTING IS APPLIED

HARDWARE: ALL EXPOSED SCREWS WILL BE STAINLESS STEEL

FINISH: AN APPLICATION OF A ASTM D2244 STANDARD THERMOSETTING POLYESTER POWDER COAT PAINT;

WIRING: TERMINAL BLOCK CONNECTOR 600V, 85A WITH #2-14 AWG; WIRING INSIDE HOUSING; 10 AMP TIME DELAY FUSE RECOMMENDED TO AVOID FALSE TRIPPING

ACCESS DOOR AND BASE PLATE MATERIAL: STEEL

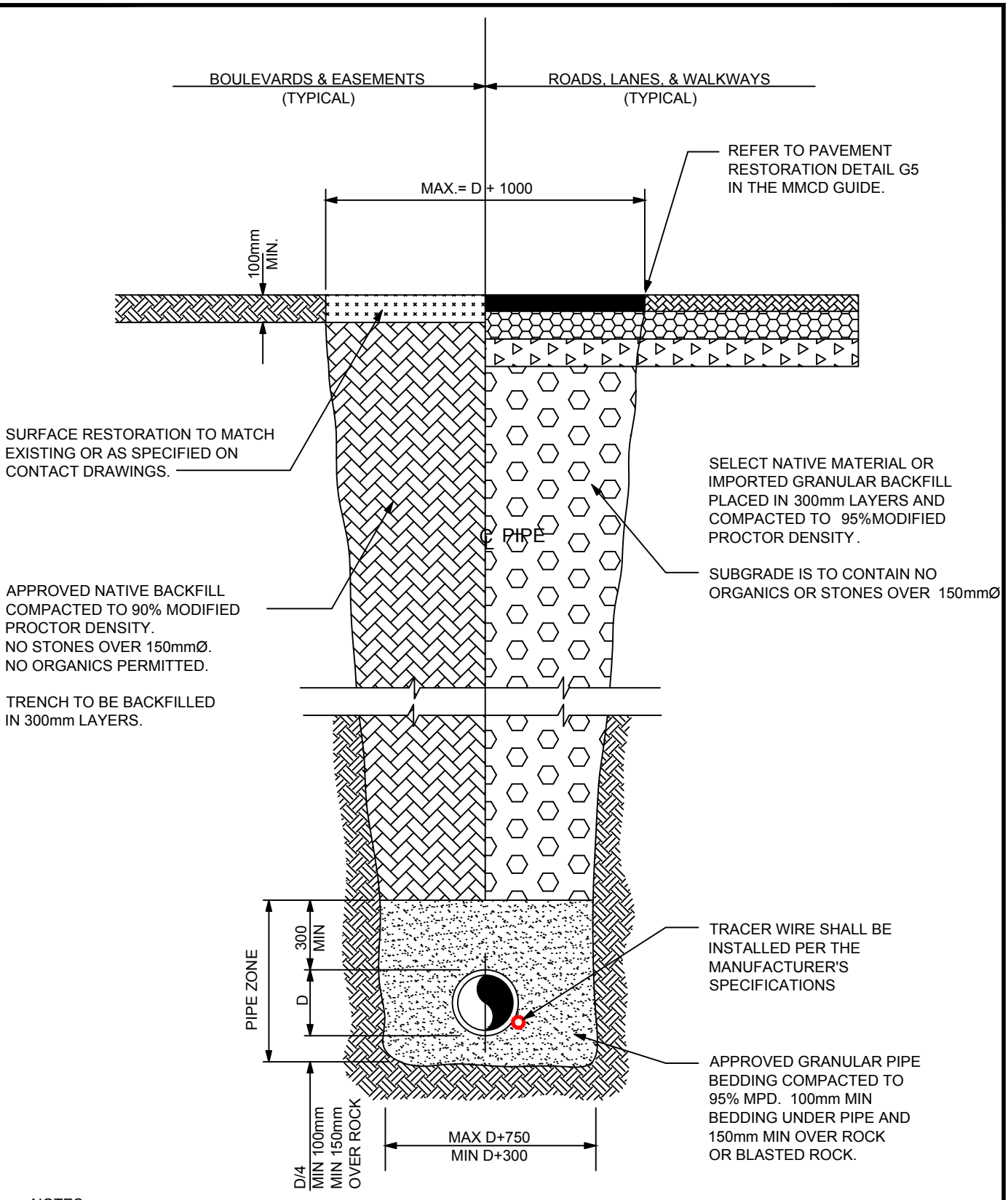
COLOUR: TO BE AAMA 2603 STANDARD TEXTURED DARK BLUE (BE2TX)

WHISTLER

RESORT MUNICIPALITY of WHISTLER

CHEAKAMUS TRAIL LIGHT DETAILS

DRAWN BY: NW	DATE: JUNE 2019
SCALE: N.T.S.	DWG. NO.: E4



NOTES:

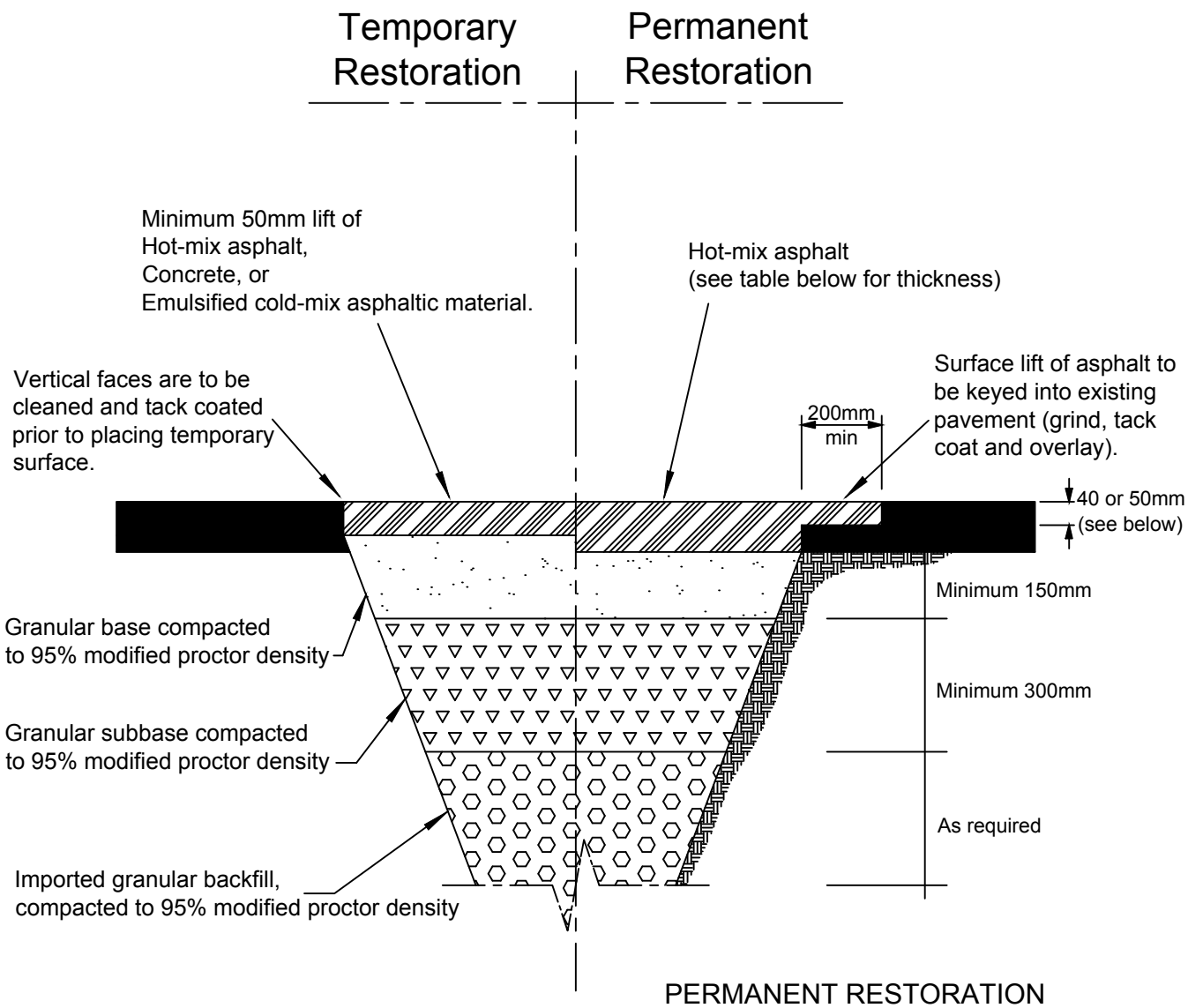
1. "D" = OUTSIDE DIAMETER OF THE PIPE AT ITS LARGEST SECTION.
2. TRENCHING TO COMPLY WITH ALL REQUIREMENTS OF THE WCB.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

TYPICAL TRENCH SECTION

DRAWN BY: BL	DATE: APRIL 2016
SCALE: N.T.S.	DWG. NO.: G4



PERMANENT RESTORATION ASPHALT THICKNESS

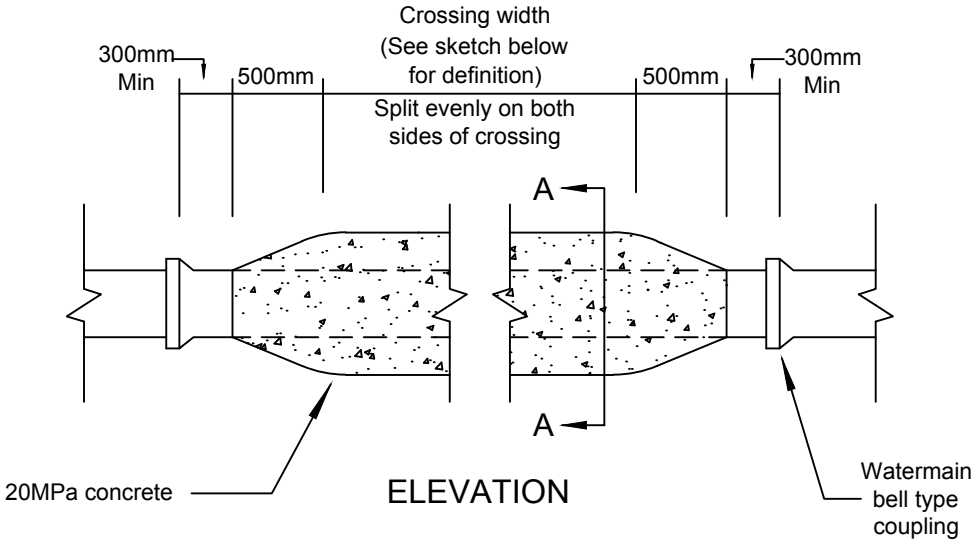
Road Classification	Base Lift Thickness	Surface Lift Thickness
Local Road	40mm	40mm
Collector Road	50mm	50mm

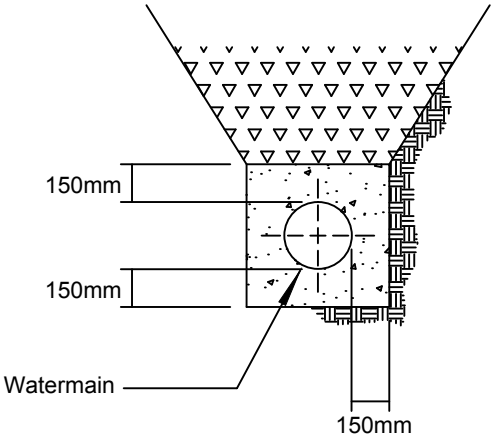
NOTES:

1. Granular materials to be placed and compacted in maximum 300mm thick lifts.
2. Permanent hot-mix asphalt pavement shall be placed and compacted in 2 lifts.
3. All work shall be carried out in accordance with the provisions of the Workers' Compensation Act of BC.
4. Refer to Sections 02223 and 02512 of the Master Municipal Construction Document for detailed specifications.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
TEMPORARY & PERMANENT PAVEMENT RESTORATION	
DRAWN BY: RA	DATE: DECEMBER 2005
SCALE: N.T.S.	DWG. NO.: G5

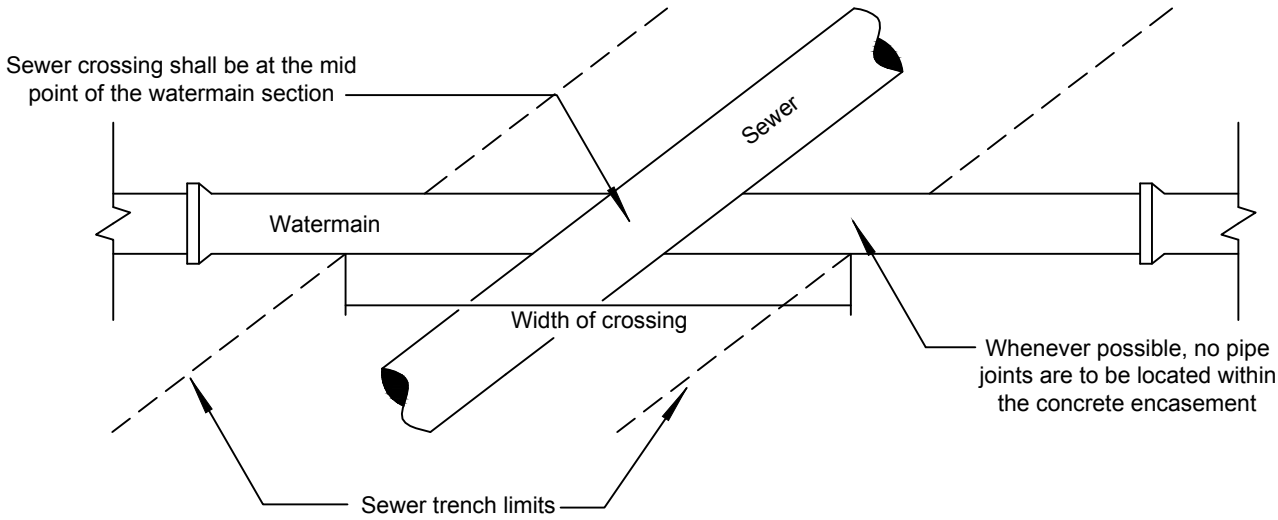




SECTION A -A

NOTES:

1. This detail is applicable only for the concrete encasing of watermains. For concrete protection of underground utilities refer to MMCD standard detail G7.
2. Concrete encasing a watermain does not eliminate the minimum crossing clearance requirements.
3. Watermain joint wrapping is still required where applicable.
4. This detail is also applicable to a watermain crossing another watermain.
5. Watermain concrete encasement is only applicable when the watermain is the upper pipe.

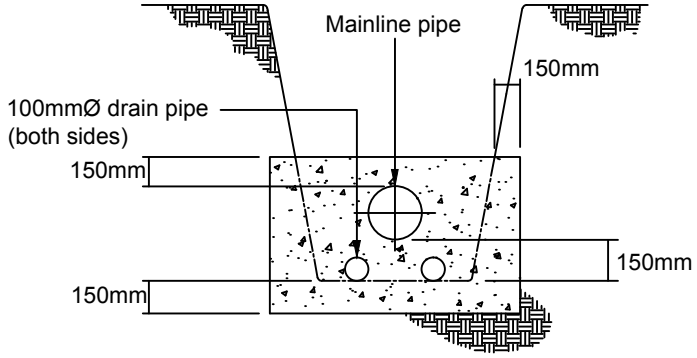


WHISTLER

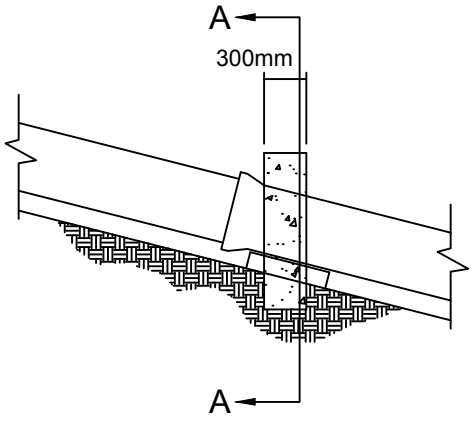
RESORT MUNICIPALITY of WHISTLER	
CONCRETE ENCASEMENT for WATERMAIN/SEWER SEPARATION	
DRAWN BY: BL	DATE: MAY 2017
SCALE: N.T.S.	DWG. NO.: G6

ALTERNATIVE 1

For use in tills and other stable, well compacted native materials

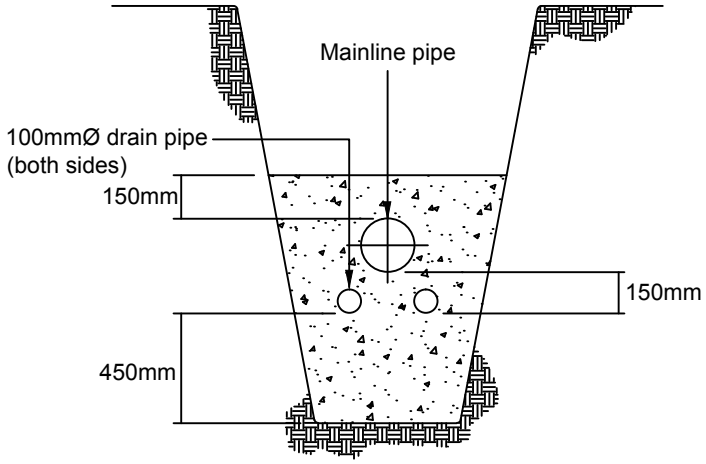


SECTION A - A

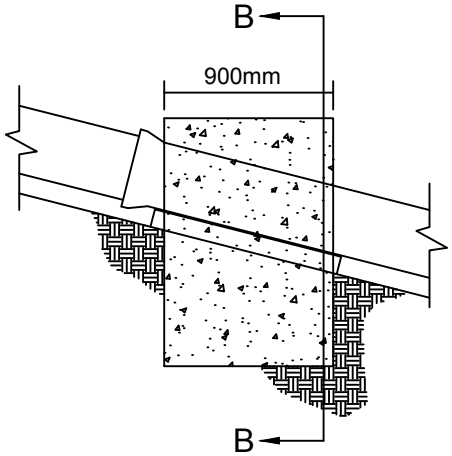


ALTERNATIVE 2

For use in clean gravels, sands and other loose permeable native materials



SECTION B - B



MAXIMUM SPACING OF PIPE ANCHOR BLOCKS (note 4)			
SAN & STM GRAVITY SEWERS		WATERMAINS & FORCEMAINS	
SLOPE	MAX. SPACING	SLOPE	MAX. SPACING
15% - 20%	25m	10% or greater	10m
20% - 35%	20m		
35% - 50%	15m		
Over 50%	10m		

NOTES:

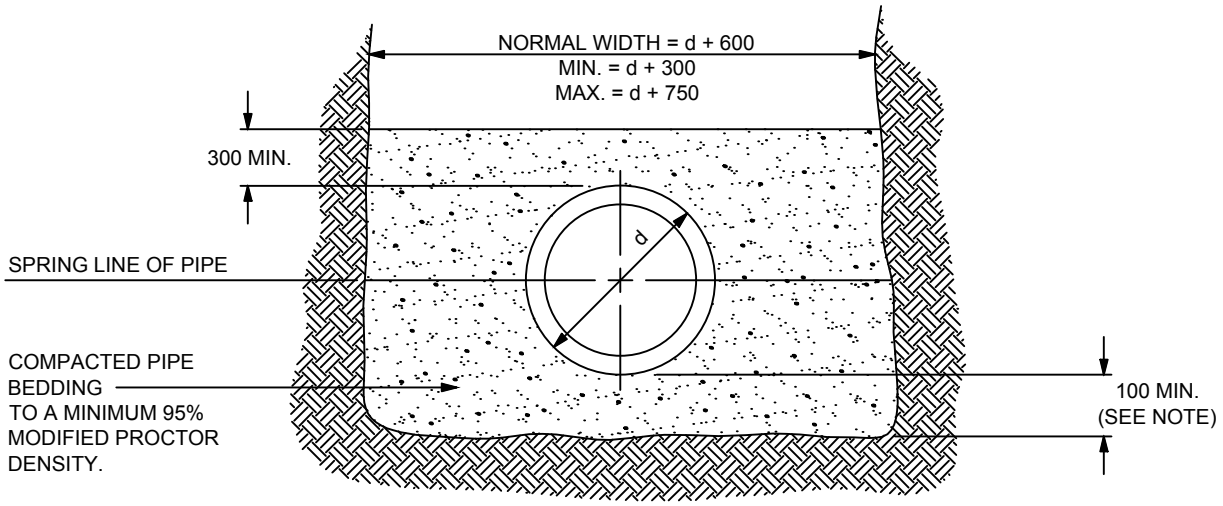
1. Applicable to all pipe materials.
2. Use 20MPa comcrete unless specified otherwise on the contract drawings.
3. Blocks are to be placed at the bell end of the pipe as shown.
4. Refer to contract drawings for spacing other than shown in table.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

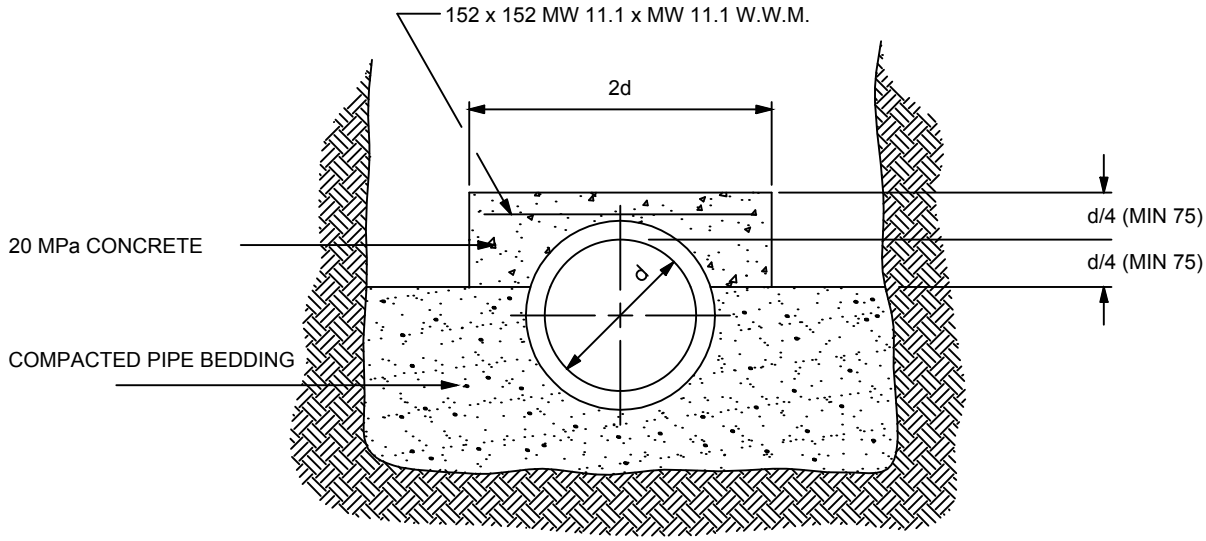
PIPE ANCHOR BLOCKS

DRAWN BY: RA	DATE: DECEMBER 2005
SCALE: N.T.S.	DWG. NO.: G8



NOTE: 150 MIN. FOR ROCK OR BLASTED ROCK

STANDARD PIPE BEDDING INSTALLATION

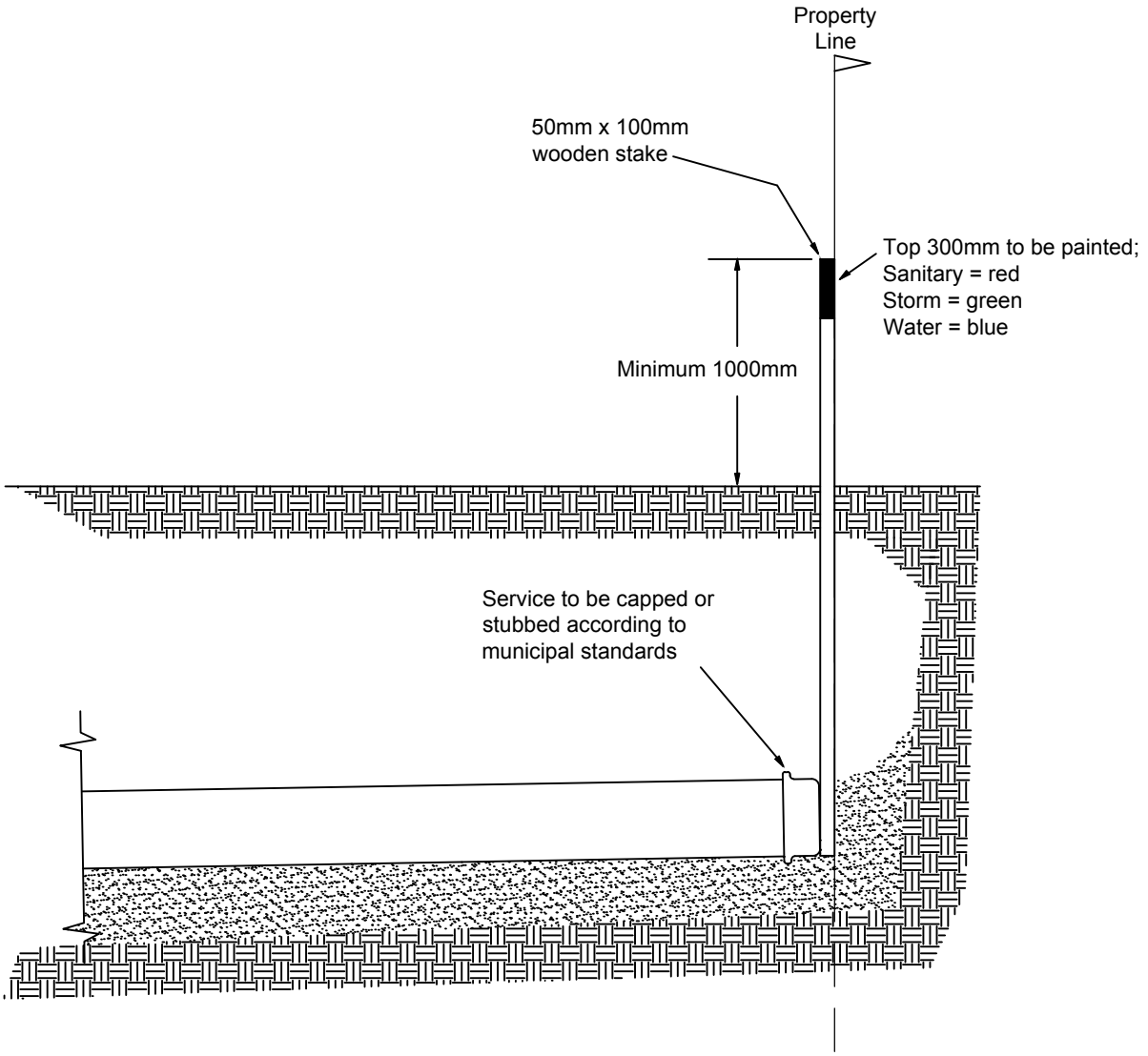


CONCRETE ARCH ENCASEMENT

d =OUTSIDE DIAMETER OF PIPE

WHISTLER

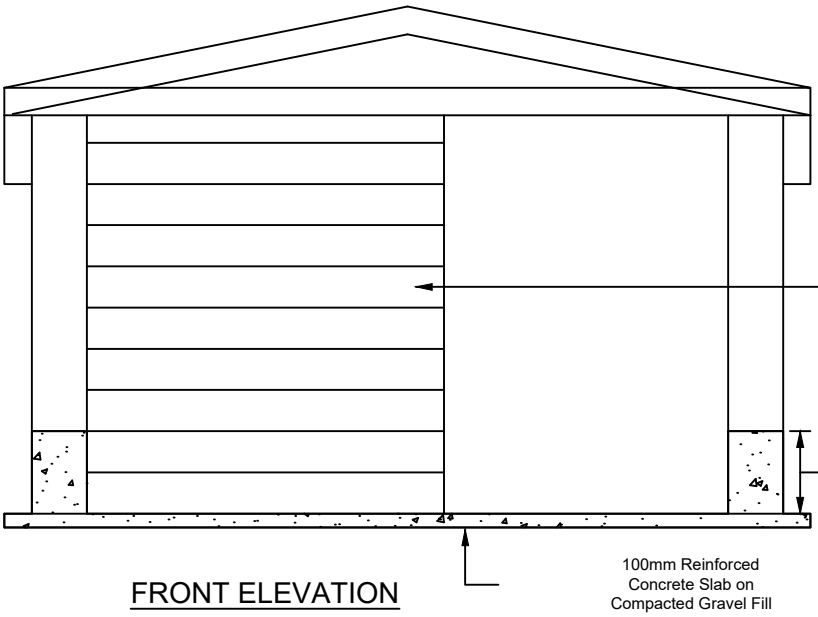
RESORT MUNICIPALITY of WHISTLER	
STANDARD PIPE BEDDING	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: G9



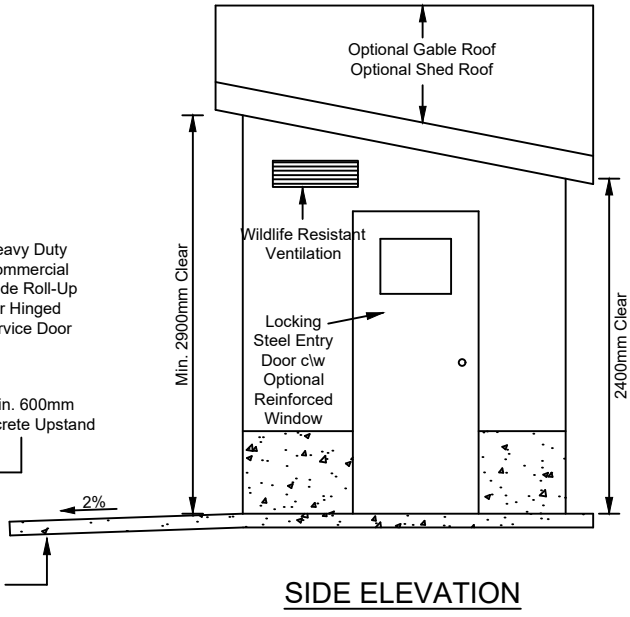
Note:
Service invert elevation and
depth to be written on the
wooden stake with permanent marker.

WHISTLER

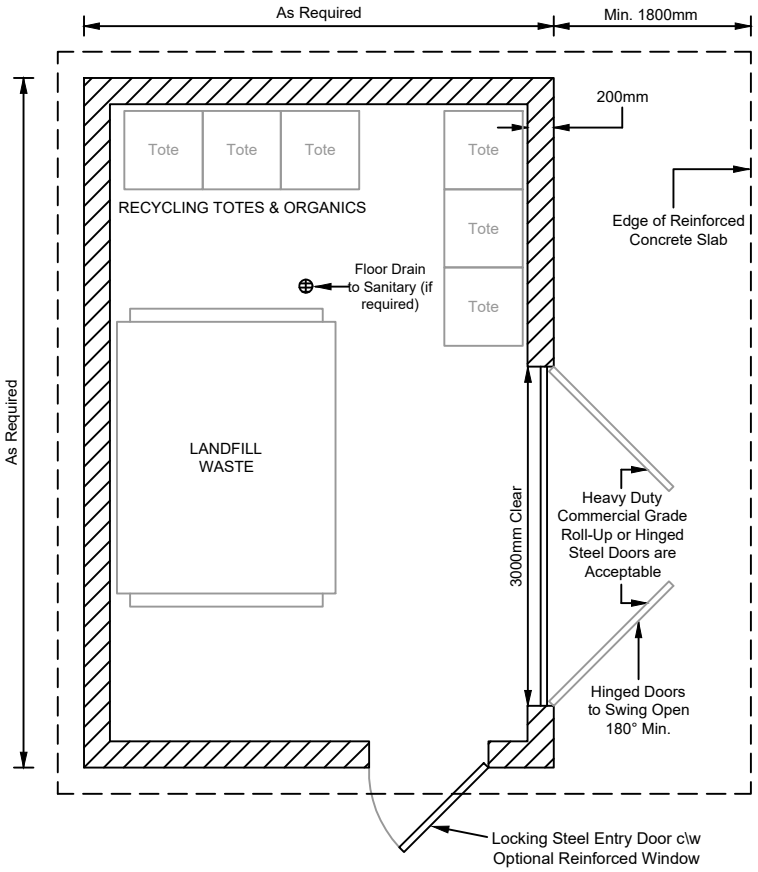
RESORT MUNICIPALITY of WHISTLER	
TYPICAL SERVICE CONNECTION MARKER	
DRAWN BY: RA	DATE: DECEMBER 2005
SCALE: N.T.S.	DWG. NO.: G10



FRONT ELEVATION



SIDE ELEVATION



PLAN VIEW

NOTES:

1. Enclosure architecture (materials, etc) is to conform to Municipal Building and Development Permit requirements (as required).

2. Design concept only. Alternative designs meeting the intent of these requirements are invited.

3. Structures are to be constructed in accordance with the BC Building Code. Enclosures are to be designed to withstand snow loading, vehicular damage, operational damage, and bears.

4. Roofs should be designed to avoid snow shed in front of service and entry doors.

5. Service door(s) are to have dual locking mechanisms. Hinged doors require a heavy-duty cane bolt at the bottom and a slide bolt at the top of the stationary door. Roll-up doors require slide bolt locking mechanisms on the bottom of the door, each side. All locking mechanisms to be located on the interior; no hardware should be located on the service door(s) exterior.

6. Steel entry door is to be 36" wide (915mm) and be equipped with a self-closing mechanism. Door may have a round turning knob complete with a covered keyed knob guard on the exterior for access and panic hardware on interior for egress. Alternatively a push button lock with a turning knob is acceptable.

7. Adequate motion activated interior and exterior lighting is to be provided (if required).

8. Bear proof vent and steel entry door window openings should be sized such that a bear could not gain access in the case of breakage.

9. Units in mm unless otherwise noted.

10. Roll-up doors are preferable in areas that may have ice and snow build up but hinged doors are acceptable.

11. Separate enclosures for Commercial & Residential uses on the same property are strongly recommended.

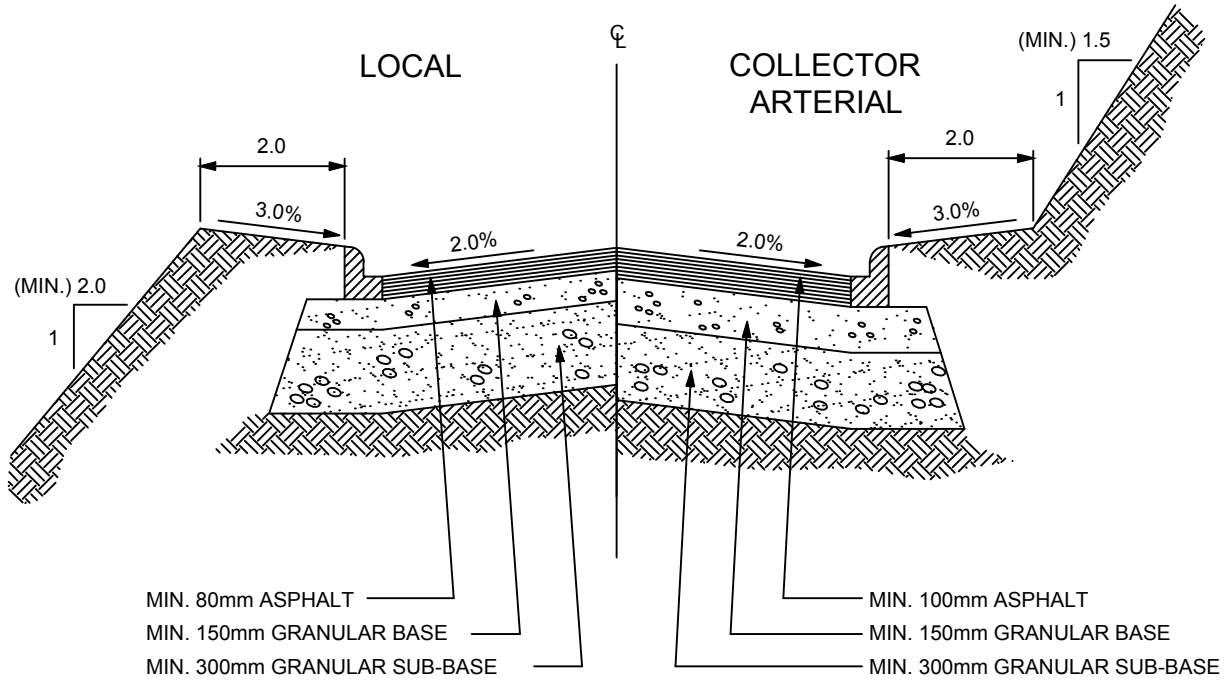
Dimensions shown serve as a guideline only, the ultimate size and configuration of the garbage enclosure will be dependant on the owners preference and services being provided.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

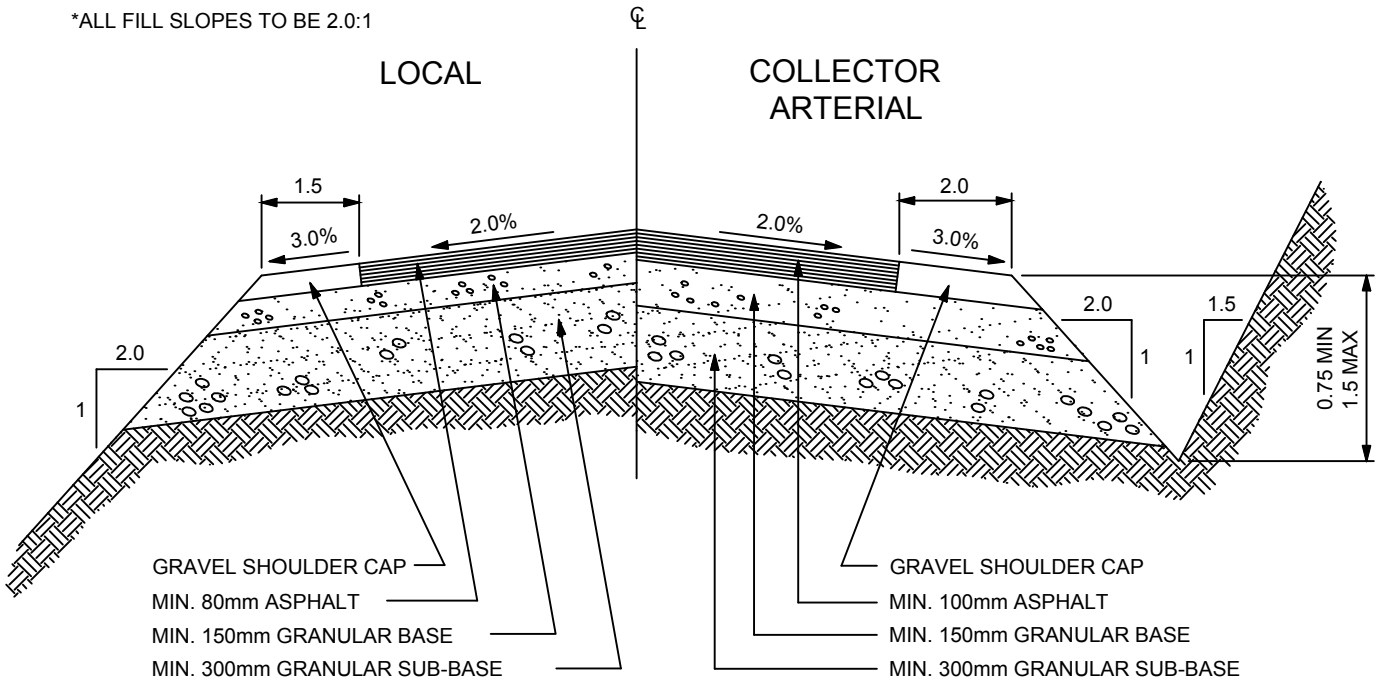
SOLID WASTE WILDLIFE-PROOF ENCLOSURE

DRAWN BY: BL	DATE: APRIL 2022
SCALE: N.T.S.	DWG. NO.: G11



CURB & GUTTER

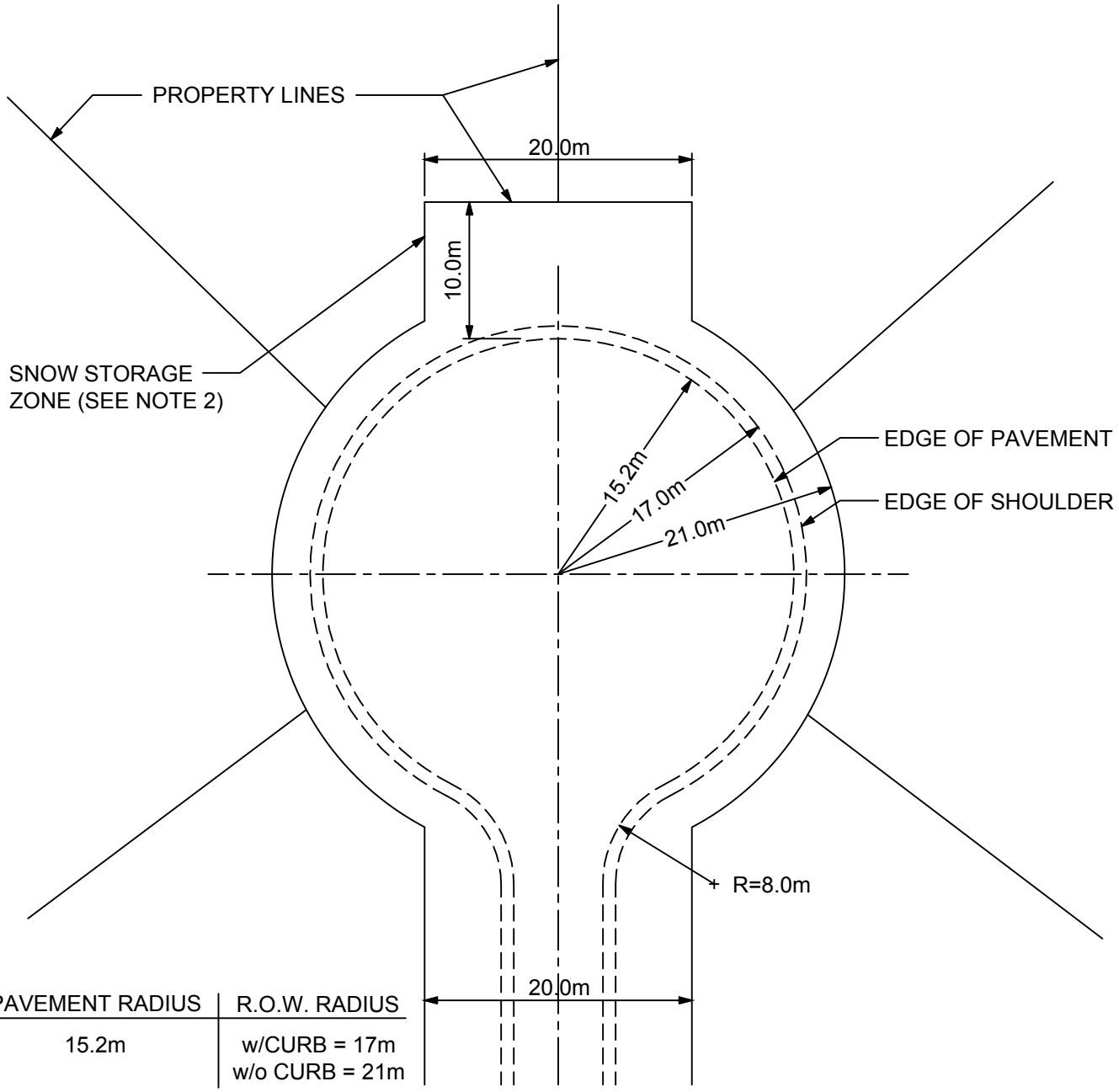
*ALL FILL SLOPES TO BE 2.0:1



OPEN DRAINAGE

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
ROAD CROSS-SECTION DETAILS	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R1



PAVEMENT RADIUS	R.O.W. RADIUS
15.2m	w/CURB = 17m w/o CURB = 21m

NOTES:

1. CUL-DE-SAC CONSTRUCTION TO BE TO SAME STANDARD AS SPECIFIED FOR ROAD.
2. ELEVATION OF SNOW STORAGE ZONE NOT TO BE GREATER THAN ROAD GRADE AND HAVE AN EFFECTIVE AREA OF NOT LESS THAN 200sq. METERS.
   LOCATION CAN BE ADJUSTED TO SUIT TOPOGRAPHY AND DRAINAGE.
   NO DRIVEWAY ACCESS WILL BE ALLOWED THROUGH THE SNOW STORAGE ZONE.
   NO UTILITY OBSTRUCTIONS SUCH AS: HYDRO KIOSKS, TELUS BOXES, STREETLIGHTS etc.
3. DEAD END STREETS IN EXCESS OF 90 METERS IN LENGTH SHALL TERMINATE WITH CUL-DE-SAC.

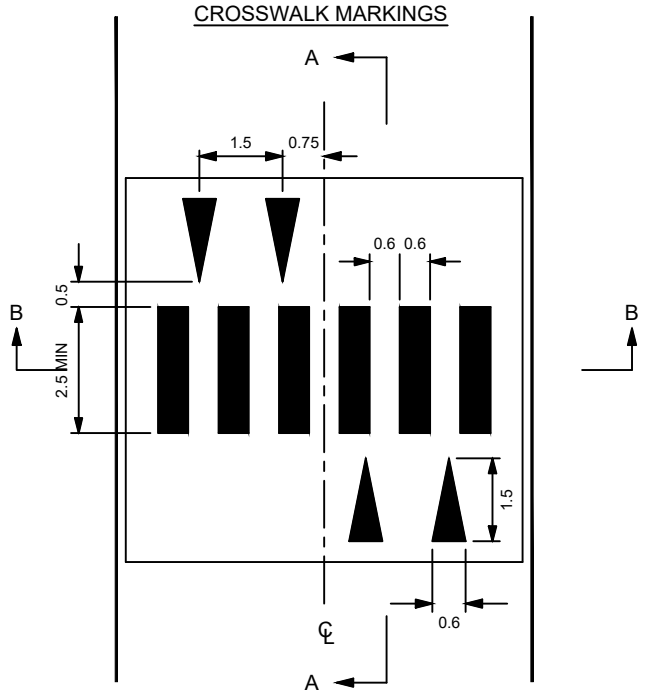
WHISTLER

RESORT MUNICIPALITY of WHISTLER

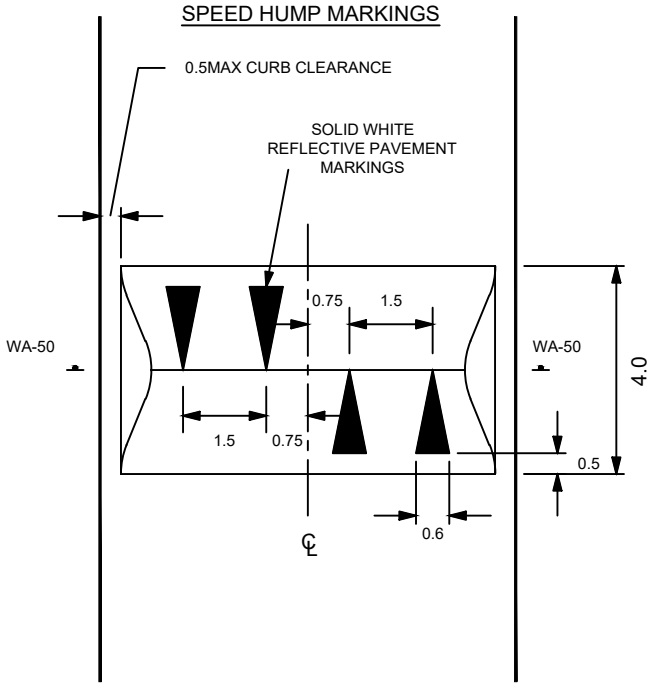
STANDARD CUL-DE-SAC

DRAWN BY: BL	DATE: MAY 2018
SCALE: N.T.S.	DWG. NO.: R2

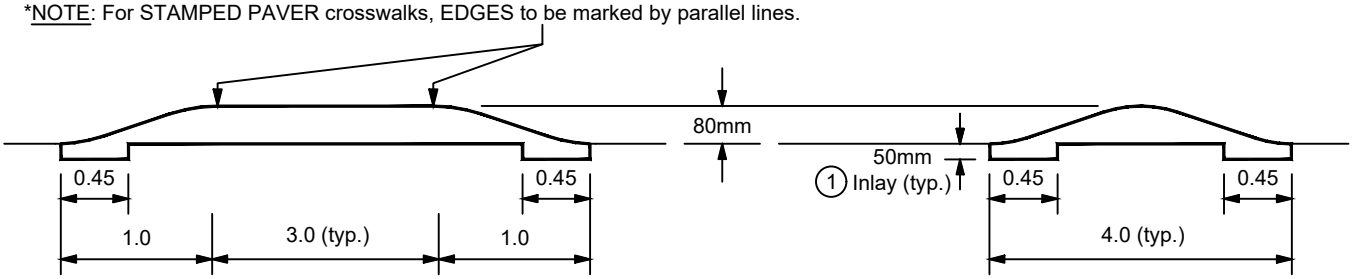
CROSSWALK MARKINGS



SPEED HUMP MARKINGS



*NOTE: For STAMPED PAVER crosswalks, EDGES to be marked by parallel lines.



SECTION A-A
RAISED CROSSWALK

SECTION A-A
SPEED HUMP

SINUSOIDAL RAISED CROSSWALK DEVELOPMENT

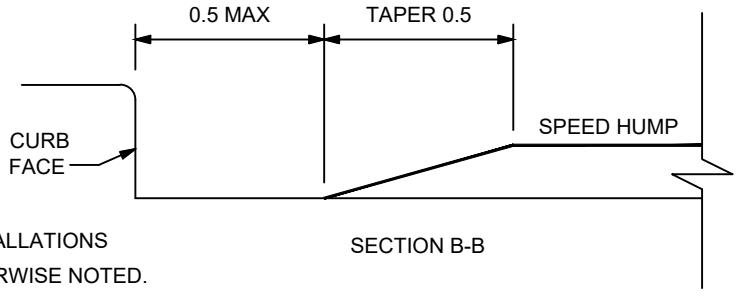
Distance (m):	0.000		0.125		0.250		0.375		0.500		0.625		0.750		0.875		1.000
Finished Height (mm):	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

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

NOTES:

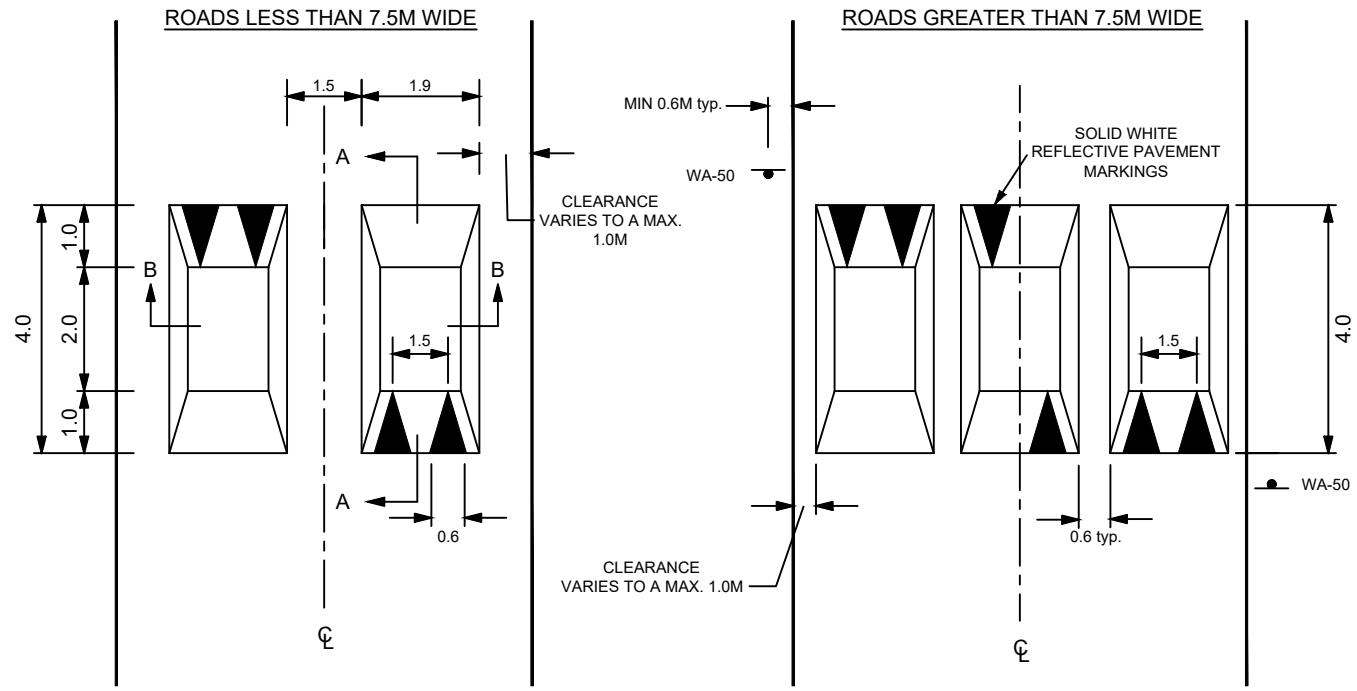
1. MILL ASPHALT TO CREATE INLAY FOR NEW INSTALLATIONS
2. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

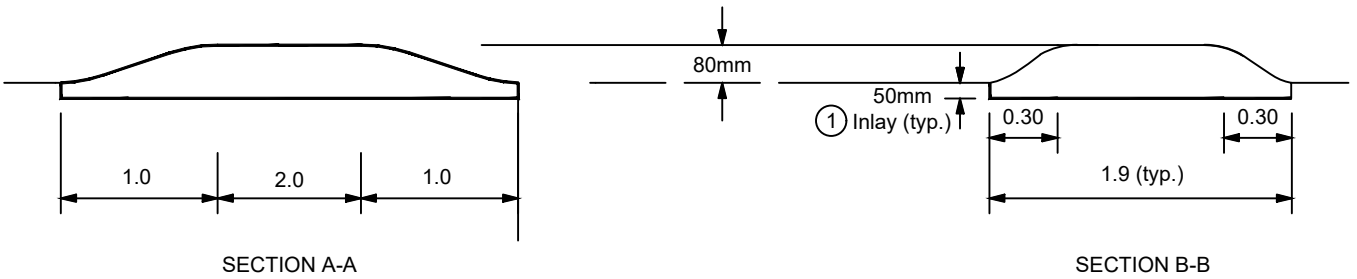
WHISTLER

RESORT MUNICIPALITY of WHISTLER

SPEED HUMP / RAISED CROSSWALK

DRAWN BY: BL	DATE: NOVEMBER 2019
SCALE: N.T.S.	DWG. NO.: R3





SECTION A-A

SECTION B-B

SINUSOIDAL SPEED CUSHION DEVELOPMENT

Distance (m):	0.000		0.125		0.250		0.375		0.500		0.625		0.750		0.875		1.000
Finished Height (mm):	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

NOTES:

1. MILL ASPHALT TO CREATE INLAY FOR NEW INSTALLATIONS
2. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.

SIGN DESCRIPTIONS:

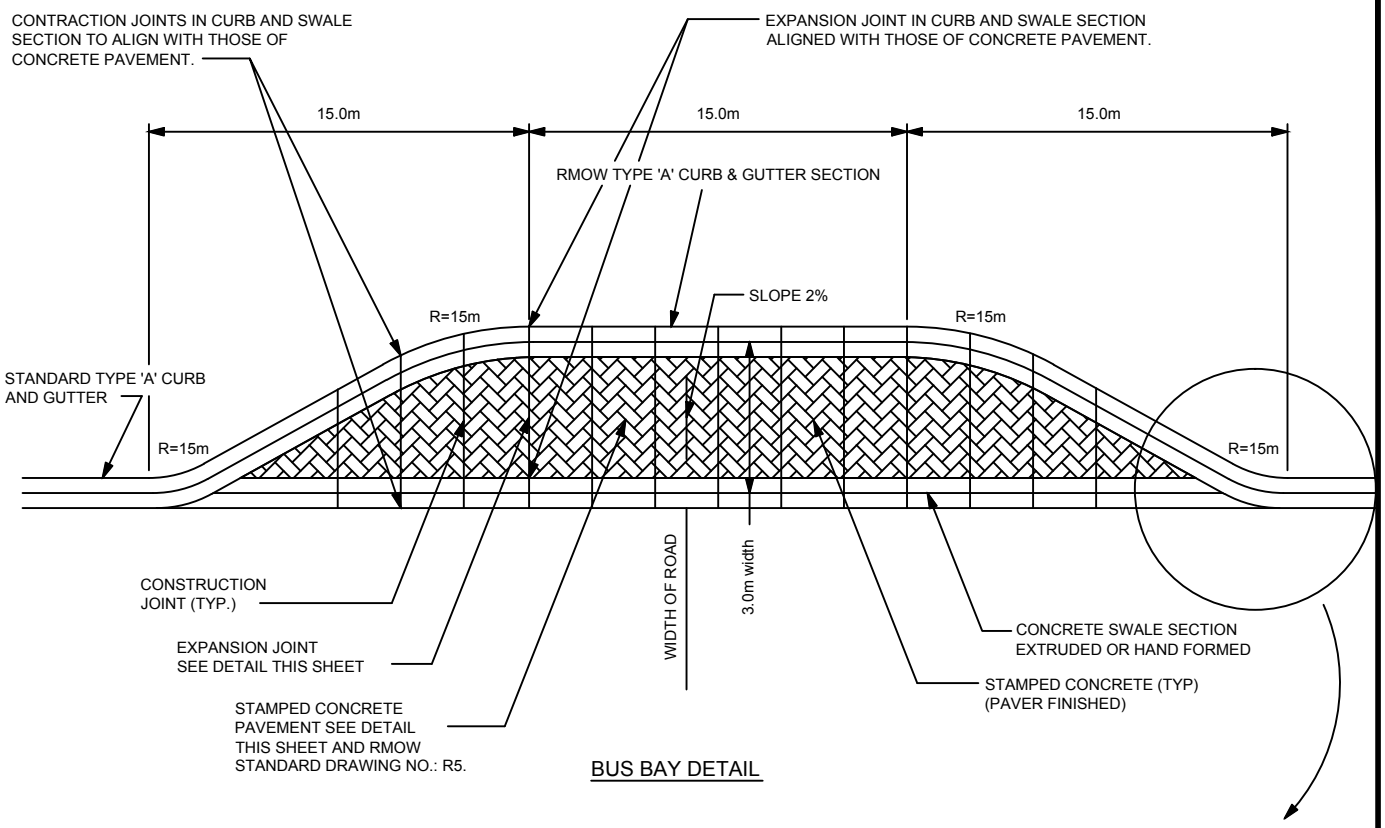
WA-50 SPEED HUMP

WHISTLER

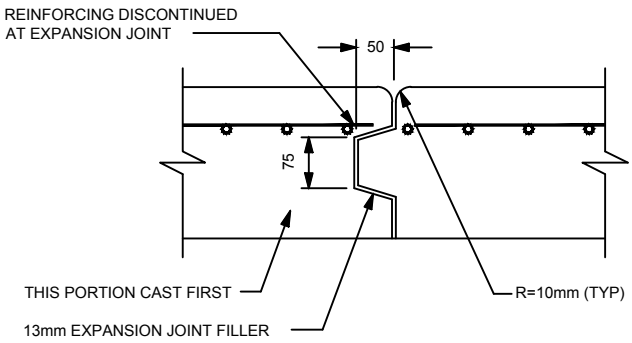
RESORT MUNICIPALITY of WHISTLER

SPEED CUSHION

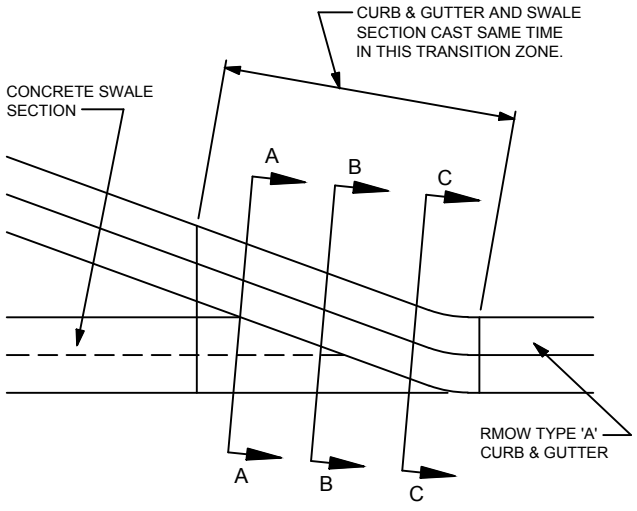
DRAWN BY: BL/JD	DATE: FEBRUARY 2021
SCALE: N.T.S.	DWG. NO.: R3A

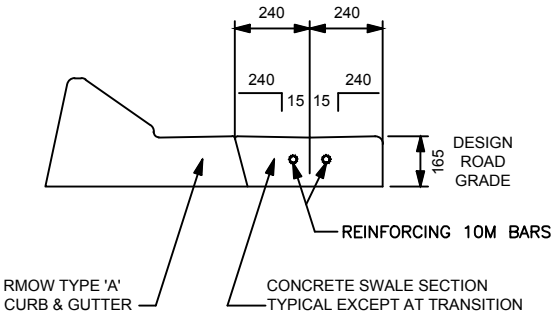


BUS BAY DETAIL

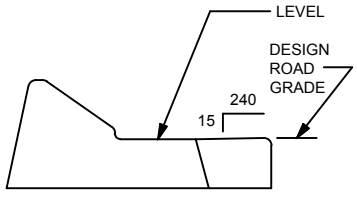


CONCRETE PAVEMENT
EXPANSION JOINT DETAIL

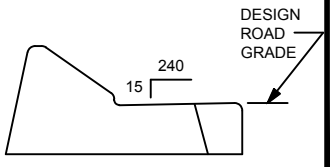




SECTION A-A



SECTION B-B



SECTION C-C

WHISTLER

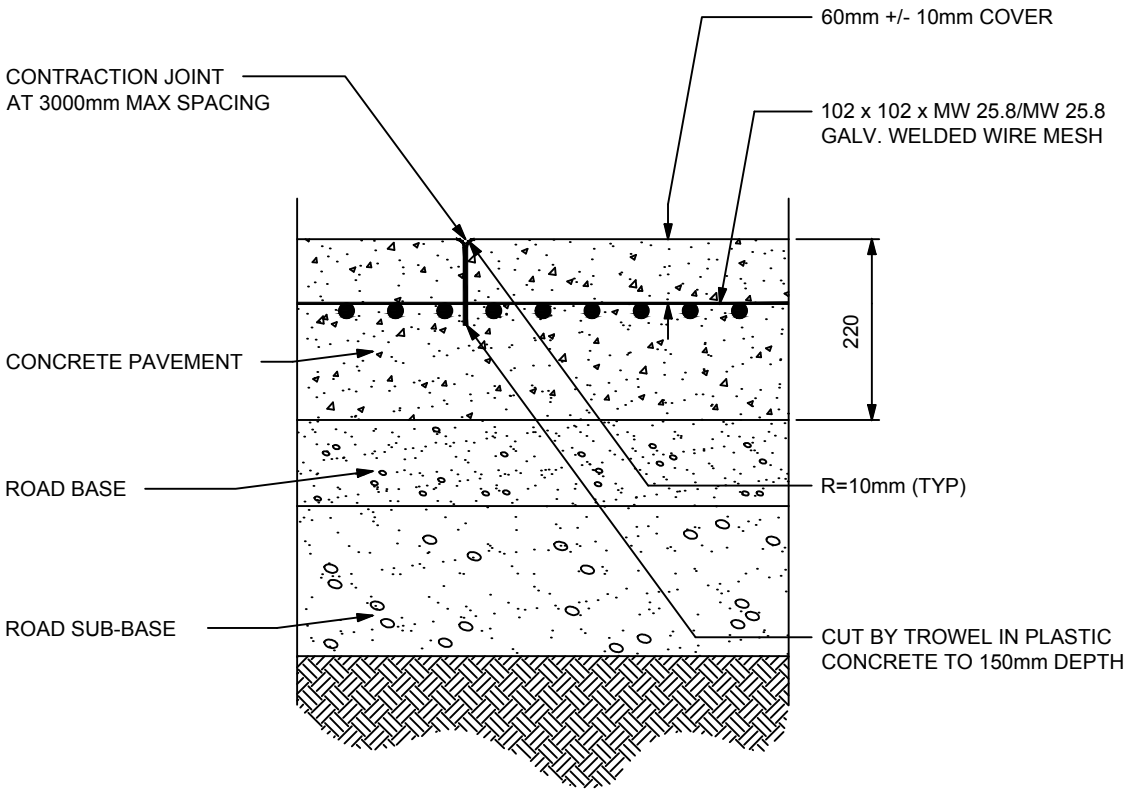
RESORT MUNICIPALITY of WHISTLER

BUS BAY

DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R4

STAMPED PAVER CONCRETE FINISH

AREAS INDICATED ON THE DRAWINGS (BRIDGE DECK, BUS BAY, CROSSWALKS) REQUIRING A "STAMPED PAVER CONCRETE FINISH" SHALL BE CONSTRUCTED WITH CONCRETE TEXTURE AND PATTERNS AS PER "BOMACRON - 6 INCH x 6 INCH TILE" PATTERN FROM BOMANITE CORPORATION OR APPROVED EQUIVALENT. THE WORK SHALL BE PERFORMED AS PER THE MANUFACTURES RECOMMENDATIONS AND SPECIFICATIONS FOR FREEZE-THAW CLIMATE APPLICATIONS AND SHALL BE COLOURED TO MATCH "WHISTLER BROWN" AS PROVIDED BY WESTERN UNI-PAVERS.



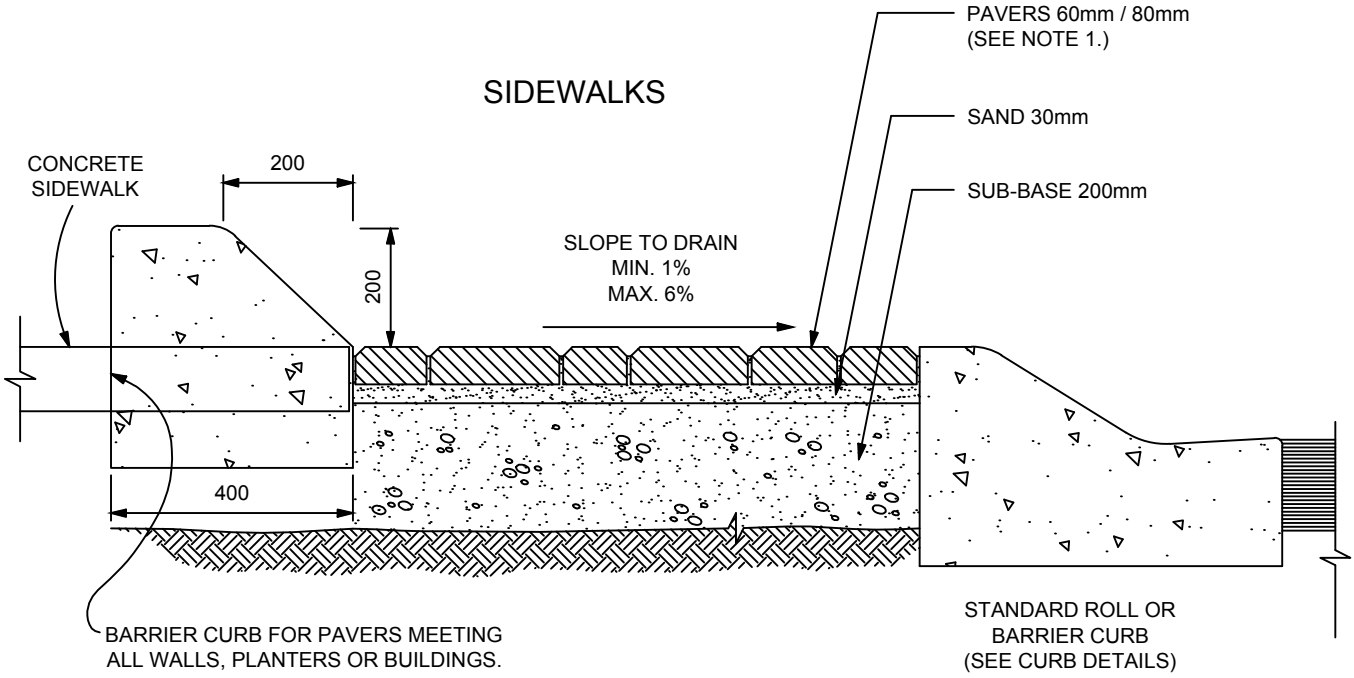
CONCRETE PAVEMENT DETAIL

NOTE: STAMPED CONCRETE NOT TO BE PLACED UNTIL FINAL LIFT OF ASPHALT IS IN PLACE.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
STAMPED CONCRETE in MUNICIPAL ROAD	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R5

SIDEWALKS



NOTES:

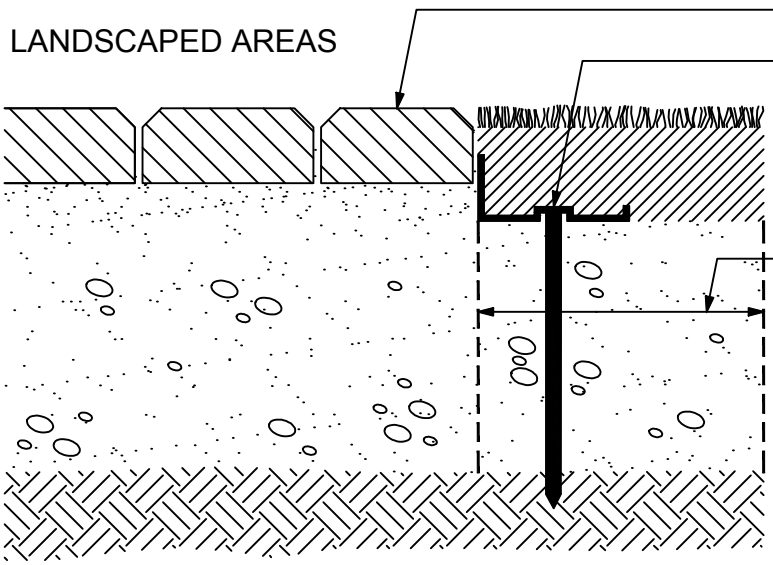
1. PAVERS - PAVERS TO REMAIN 5mm ABOVE TOP OF CURB.
   225 x 112.5 x 60 UNI-PAVE BROWN 'WESTCON' OR APPROVED EQUAL.
   (225 x 112.5 x 80 FOR VEHICLE LOADING AREAS & FIRE LANES)
   ASTM STANDARD C93-82
   -COMPRESSIVE STRENGTH - 55MPa (8000psi)
   -WATER ABSORBTION - <5%

2. BEDDING SAND - UNIFORM THICKNESS OF 30mm COMPACTED,
   WELL GRADED, COURSE CONCRETE SAND.
   SAND BRUSHED INTO CRACKS ONCE PAVERS LAID.

3. SUB-BASE - COMPACTED TO 95% MODIFIED PROCTOR.
   MINIMUM THICKNESS 200mm.

4. SUB-GRADE - COMPACTED TO 95% MODIFIED PROCTOR.

LANDSCAPED AREAS

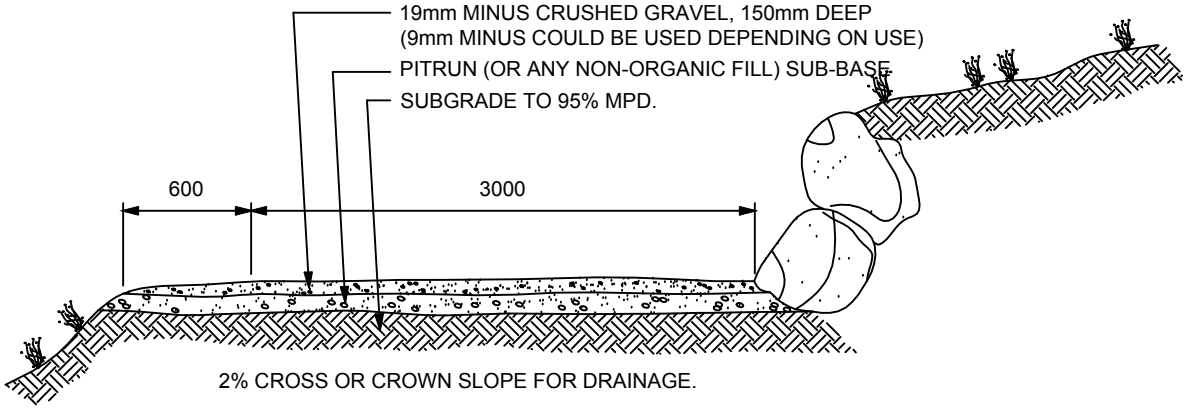


NOTE:

*DETERMINE LOCATION OF IRRIGATION LINES BEFORE INSTALLING SPIKES.

WHISTLER

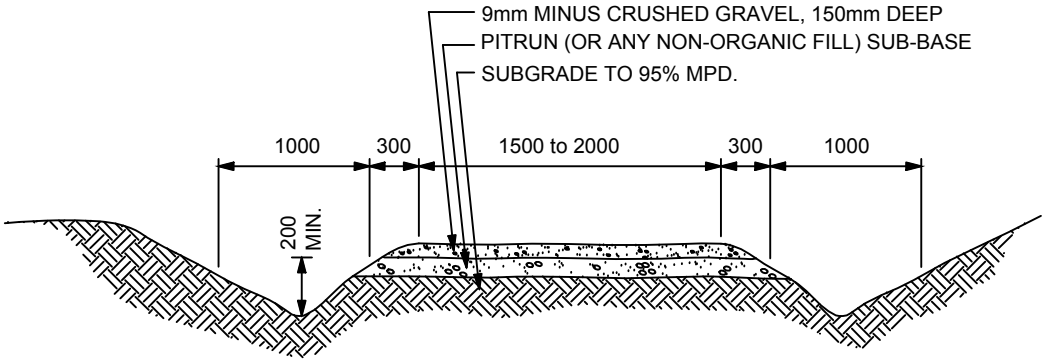
RESORT MUNICIPALITY of WHISTLER	
INTERLOCKING PAVERS	
DRAWN BY: BL	DATE: MAY 2010
SCALE: N.T.S.	DWG. NO.: R6



2% CROSS OR CROWN SLOPE FOR DRAINAGE.

NOTE: BOULDERS TO SHORE UP EDGES AND TO REDUCE CUT AND MILL SCARS ON STEEP CROSS SLOPES NOT TO BE USED ON NORDIC TRAILS.

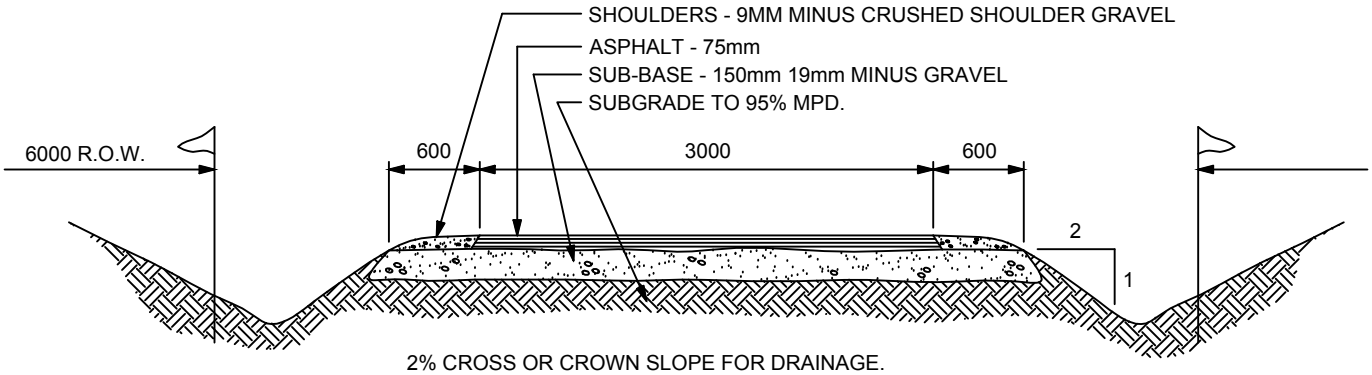
GRAVEL TRAIL



2% CROSS OR CROWN SLOPE FOR DRAINAGE.

NOTE: BOULDERS MAY BE USED TO SHORE STEEP EDGES ALONG WALKWAYS.

PEDESTRIAN WALKWAY



2% CROSS OR CROWN SLOPE FOR DRAINAGE.

NOTES:

1. SHOULDER & SWALE CLEARED TO MIN. 1600mm FOR NORDIC (MACHINE SET X-COUNTRY) TRAILS.
2. ON STEEP CUT BANKS (50-66%) ON NORDIC TRAILS, STRAW & NETTING APPLIED TO STABILIZE SLOPE UNTIL SED & PLANTING TAKE OVER.
3. SWALE - MIN. LONGITUDINAL SLOPE 1%.

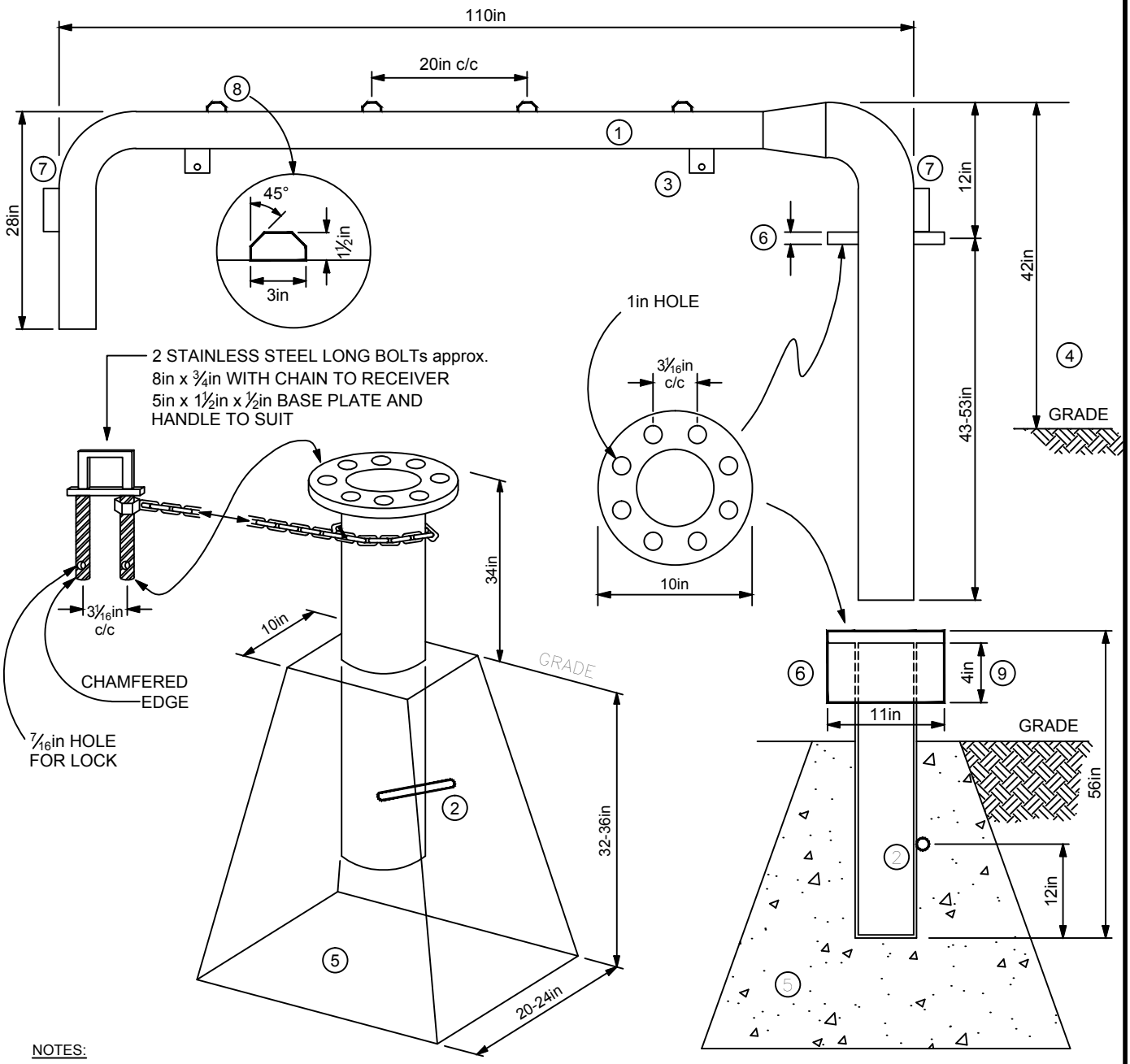
VALLEY TRAIL

WHISTLER

RESORT MUNICIPALITY of WHISTLER

VALLEY TRAIL STANDARD

DRAWN BY: BL	DATE: APRIL 2014
SCALE: N.T.S.	DWG. NO.: R7



NOTES:

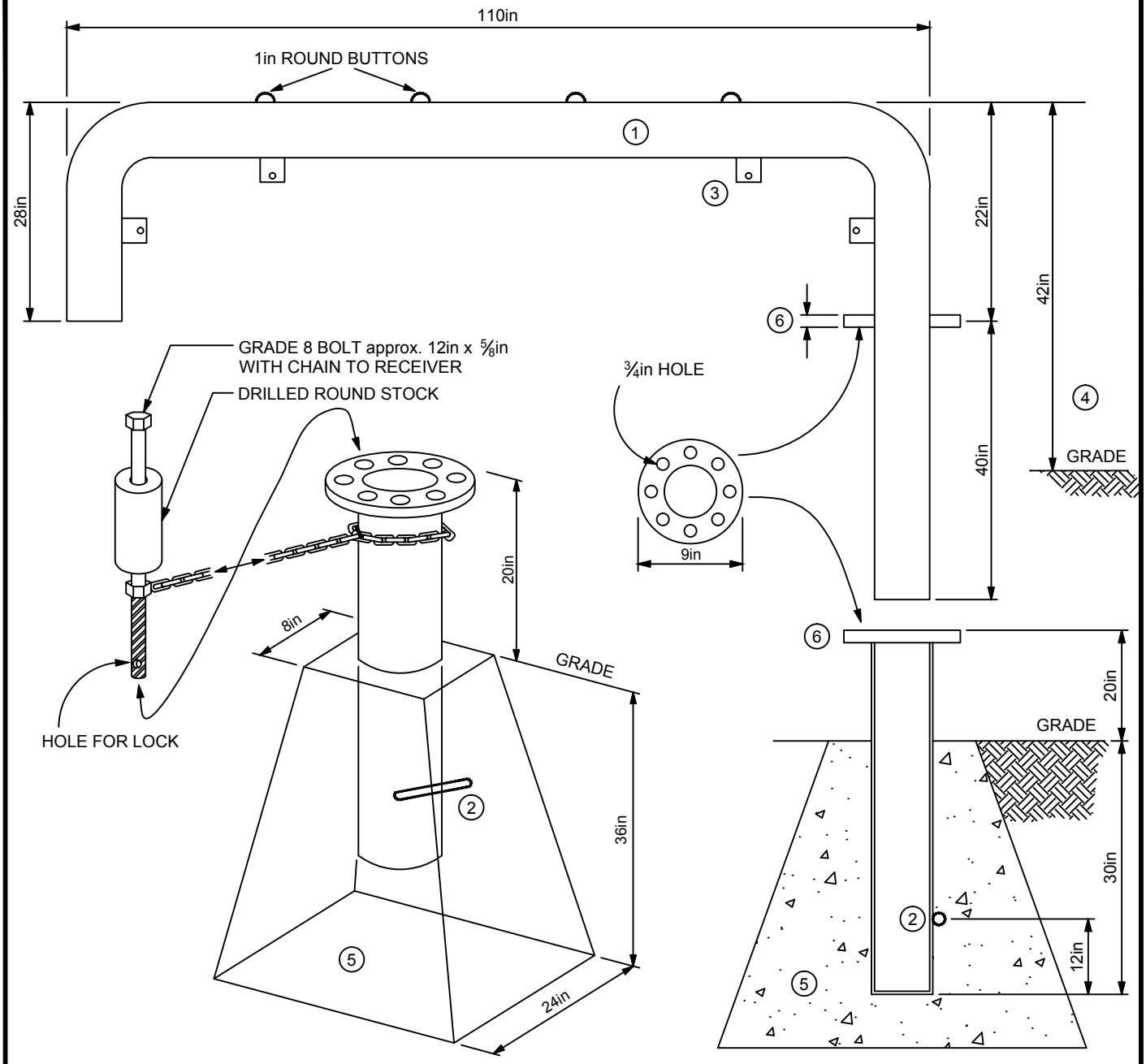
1. RAILING: SCHEDULE 40 4in O.D. (100mm), 4in x 6in REDUCER (100mm x 150mm), SCHEDULE 40 6in O.D. (150mm) w/PIPE FLANGE POWDER COATED - "SAFETY YELLOW".
2. RECEPTACLE: SCHEDULE 40 6in I.D. (150mm) w/PIPE FLANGE POWDER COATED - "SAFETY YELLOW". PRIMER COATED REBAR OR SLIP STOP WELDED TO SIDE.
3. SIGN MOUNTING TABS: ¼in x 2in x 1in with ⅜ HOLE (6.3mm x 50mm x 25mm with 9.4mm HOLE). SIGN: ¾in. (19mm) PLYWOOD BACKED, ALUMINUM, REFLECTIVE SIGNS ON EACH BARRIER. RMOW TO PROVIDE WORDING AS REQUIRED.
4. INSTALL 42in (1050mm) TO ASPHALT SURFACE.
5. INSTALLATION OF PRECAST CONCRETE RECEPTACLE TO BE ON COMPACTED BASE WITH COMPACTED BACKFILL.
6. GATE FLANGE & RECEPTACLE FLANGE TO MATCH.
7. WELD ¾in ROD COUPLER (ON TANGENT) FOR MARKER PLACEMENT.
8. WELD 3in x 1½in x ¼in BARSTOCK with 45° CHAMFERED EDGES 20in c/c ON TOP OF RAILING.
9. WELD 6in x 4in x 4in PROTECTIVE SHROUD TO RECEPTACLE FLANGE TO COVER LOCKING FEATURES.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

UTILITIES ACCESS GATE

DRAWN BY: BL	DATE: AUGUST 2008
SCALE: N.T.S.	DWG. NO.: R8-A



NOTES:

1. RAILING: SCHEDULE 40 3½in O.D. w/PIPE FLANGE POWDER COATED - "SAFETY YELLOW".
2. RECEPTACLE: SCHEDULE 40 3½in I.D. w/PIPE FLANGE POWDER COATED - "SAFETY YELLOW". PRIMER COATED REBAR OR SLIP STOP WELDED TO SIDE.
3. FOR RAILWAY CROSSING GATES:
   SIGN MOUNTING TABS: ¼in x 2in x 1in with ⅜in HOLE (6.3mm x 50mm x 25mm with 9.4mm HOLE).
   SIGN: ¾in. (19mm) PLYWOOD BACKED, ALUMINUM, REFLECTIVE SIGNS ON EACH BARRIER.
   RMOW TO PROVIDE WORDING AS REQUIRED.
4. INSTALL 42in (1050mm) TO ASPHALT SURFACE.
5. INSTALLATION OF PRECAST CONCRETE RECEPTACLE TO BE ON COMPACTED BASE WITH COMPACTED BACKFILL.
6. 9in CLASS 300 8-HOLE ¾in HOLES. GATE FLANGE & RECEPTACLE FLANGE TO MATCH.

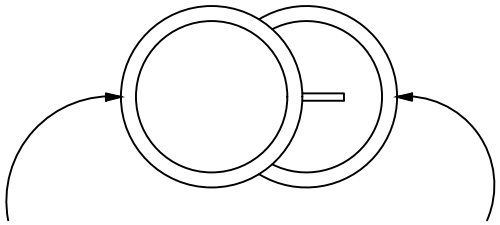
WHISTLER

RESORT MUNICIPALITY of WHISTLER

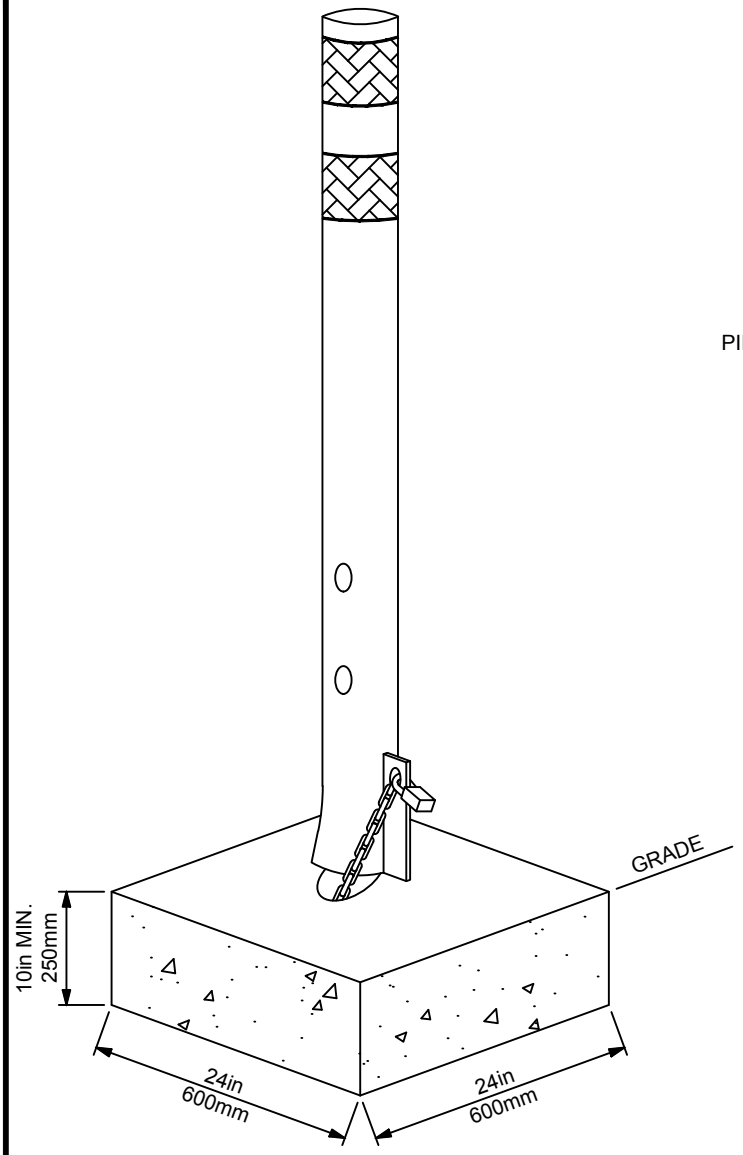
VALLEY TRAIL GATE

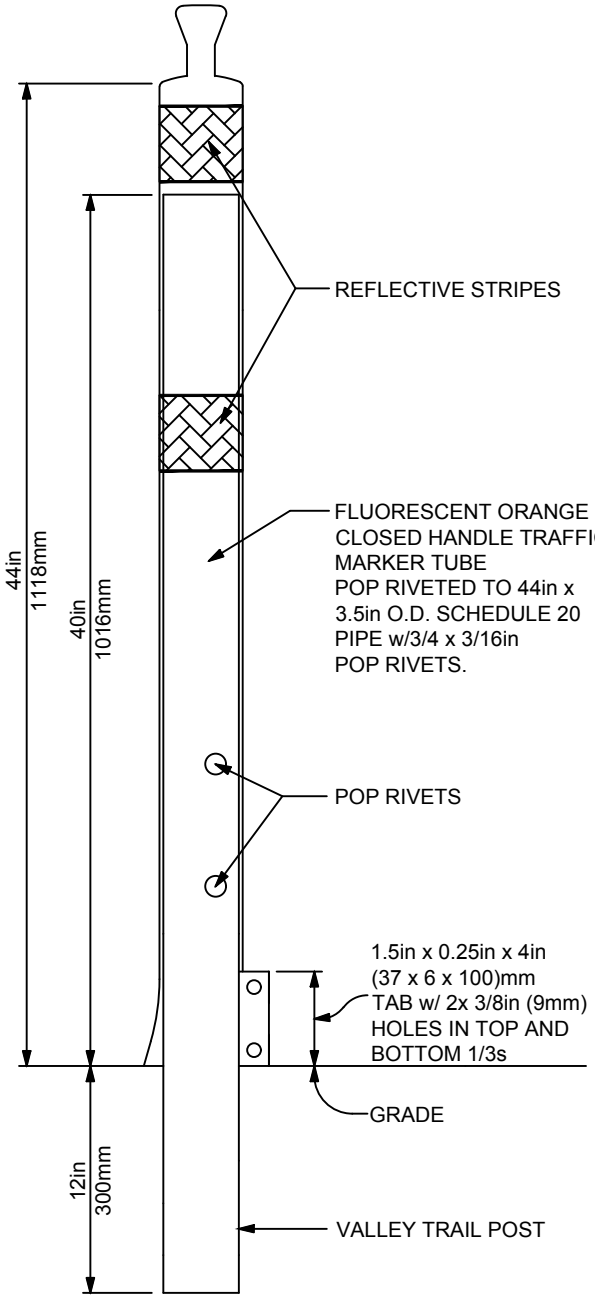
DRAWN BY: BL	DATE: FEBRUARY 2015
SCALE: N.T.S.	DWG. NO.: R8-B

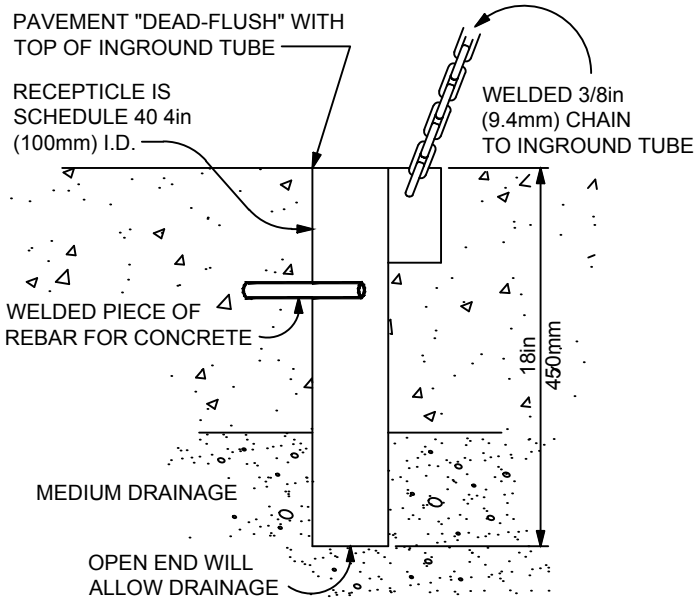
PLAN VIEW OF INGROUND TUBE



4in (100mm) I.D. SCHEDULE 40 PIPE w/CUP OR PIPE
PIECE FOR WINTER STORAGE OF CHAIN FOR SNOW PLOWING.





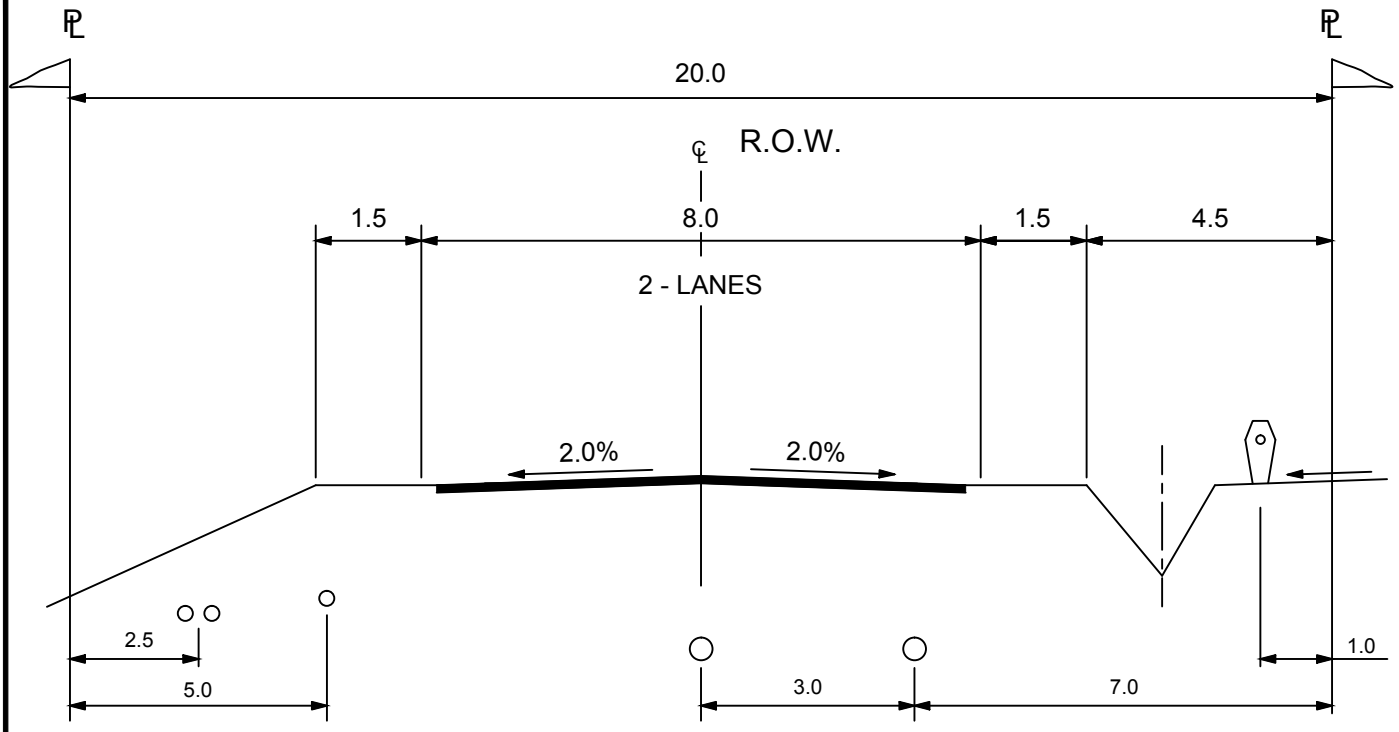


WHISTLER

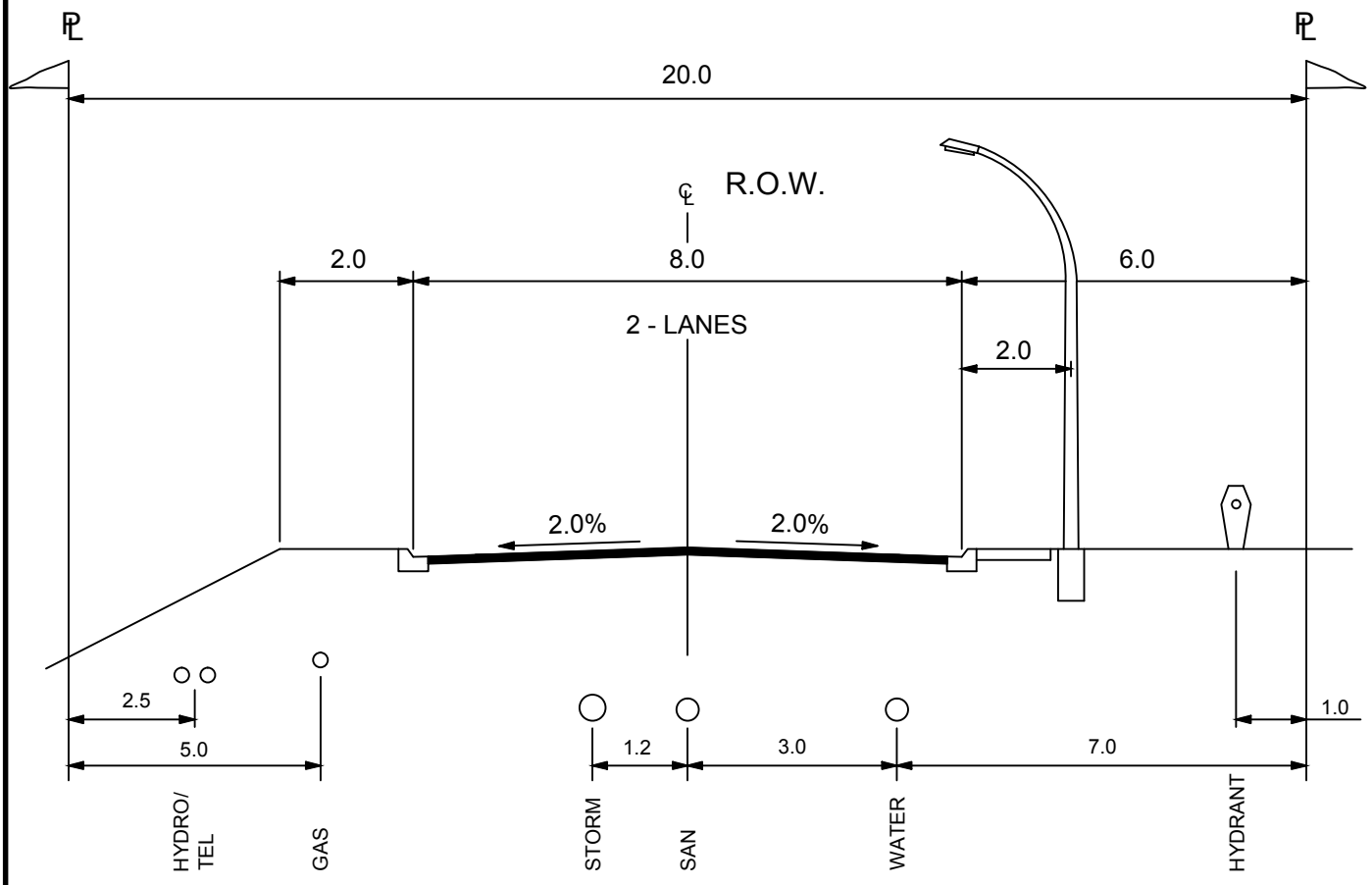
RESORT MUNICIPALITY of WHISTLER

VALLEY TRAIL POSTS

DRAWN BY: BL & JD	DATE: JULY 2018
SCALE: N.T.S.	DWG. NO.: R9



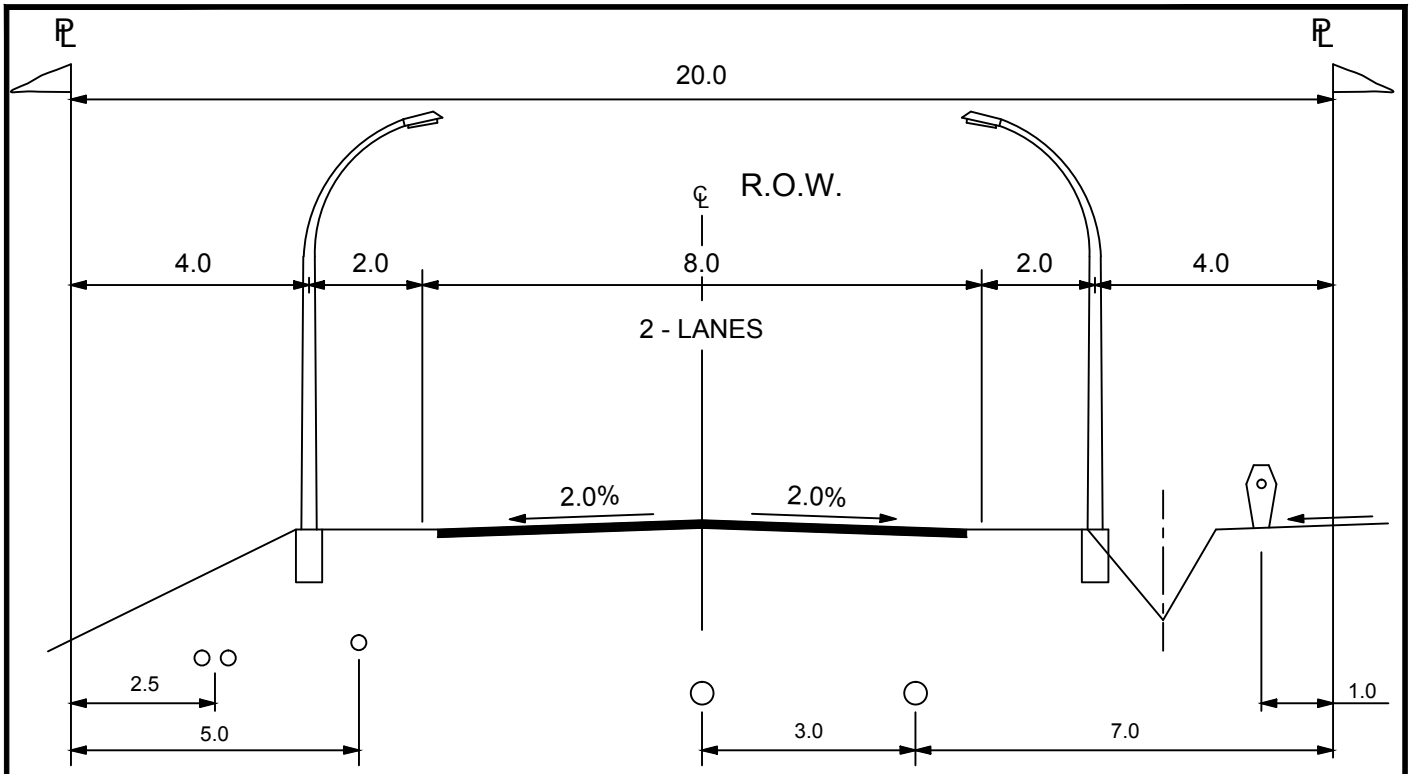
OPEN DRAINAGE



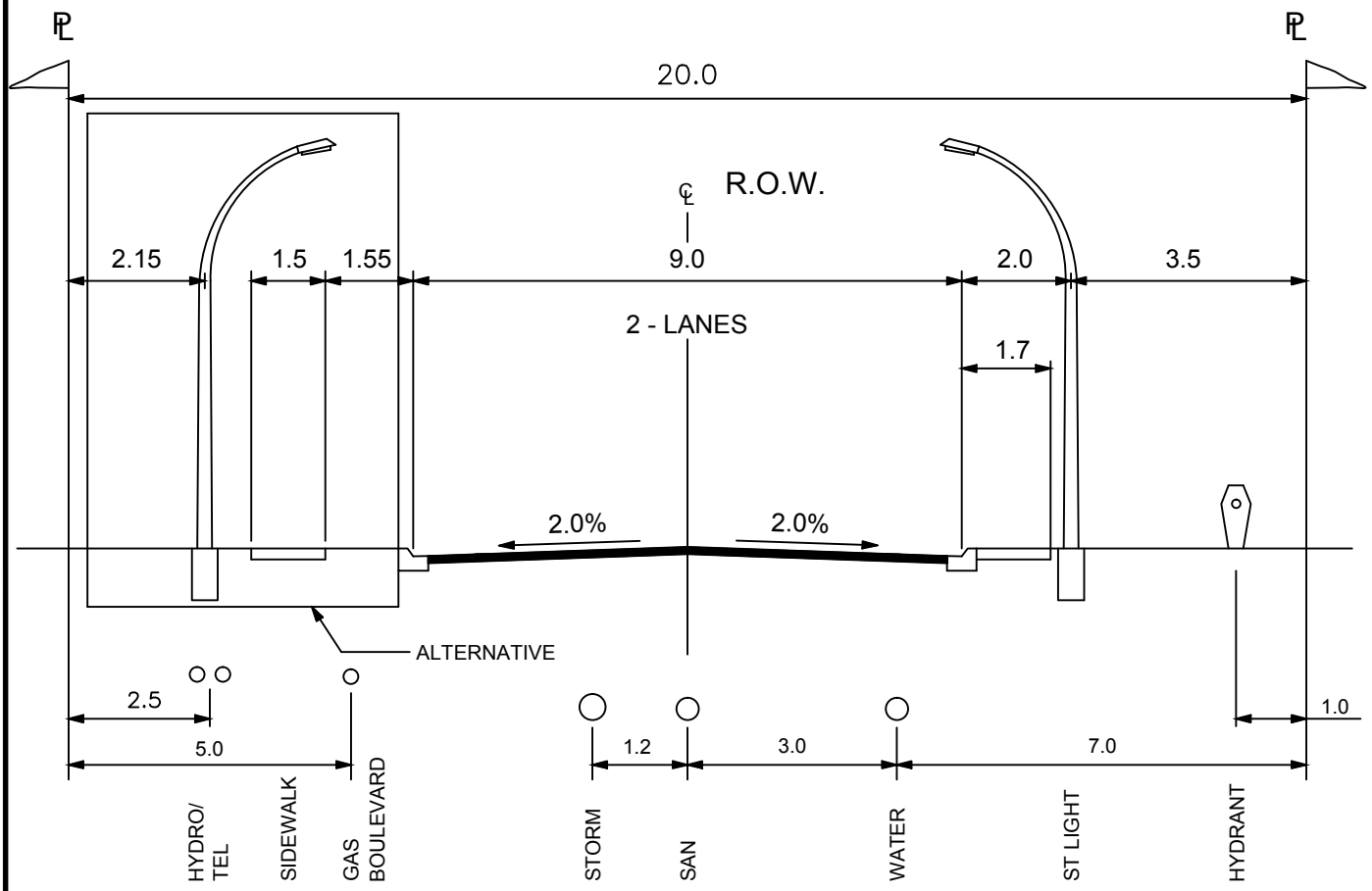
CURB AND GUTTER

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
LOCAL ROADS - 2 LANES	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R10



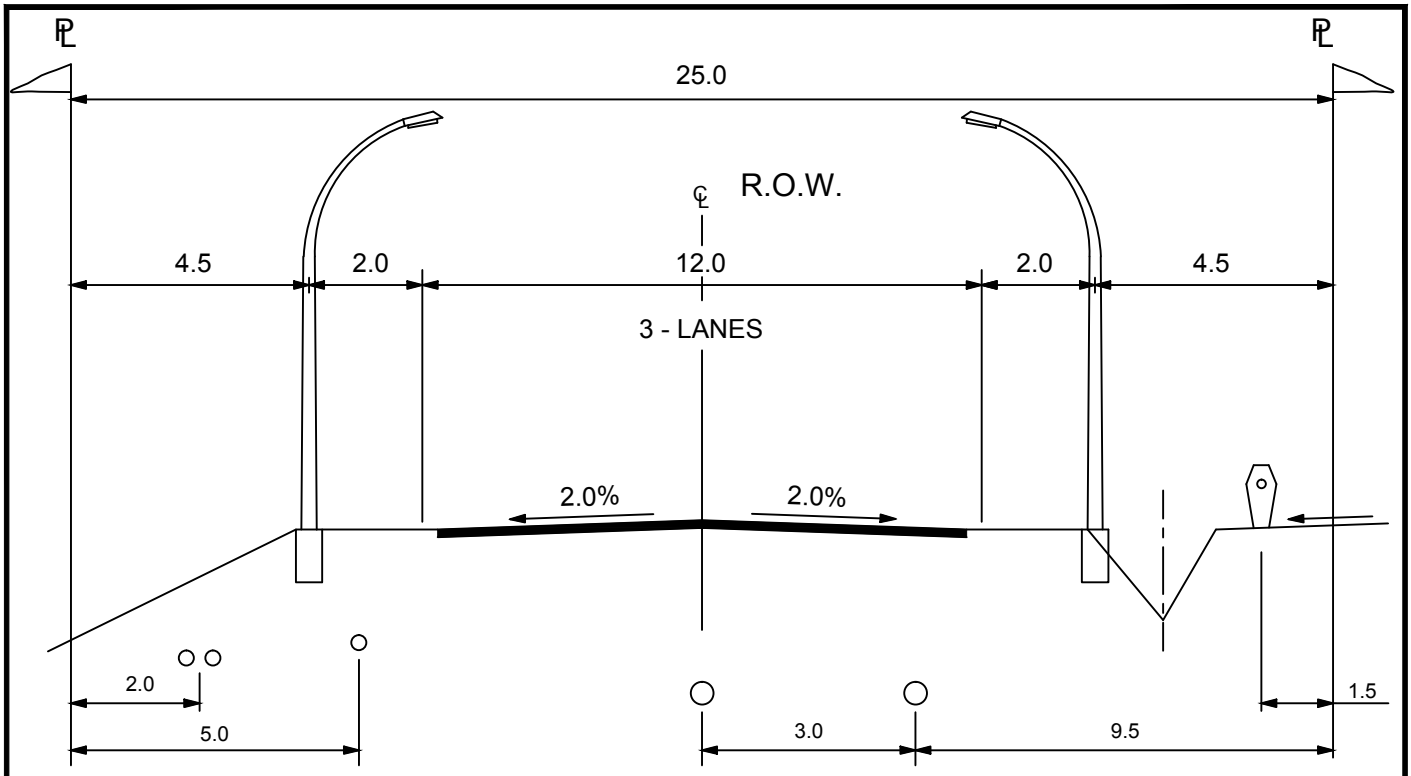
OPEN DRAINAGE



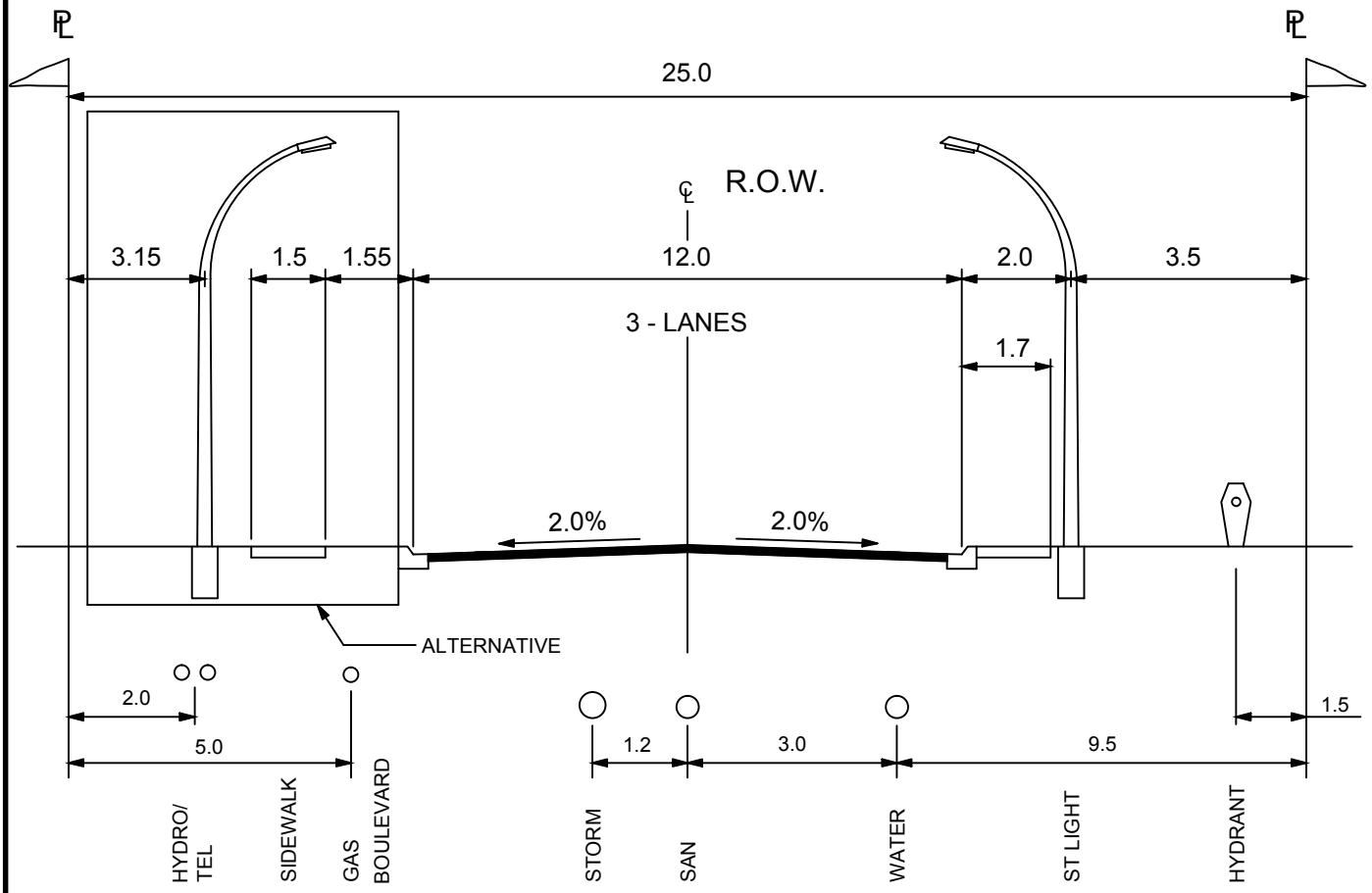
CURB AND GUTTER

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
COLLECTOR ROADS - 2 LANES	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R11



OPEN DRAINAGE



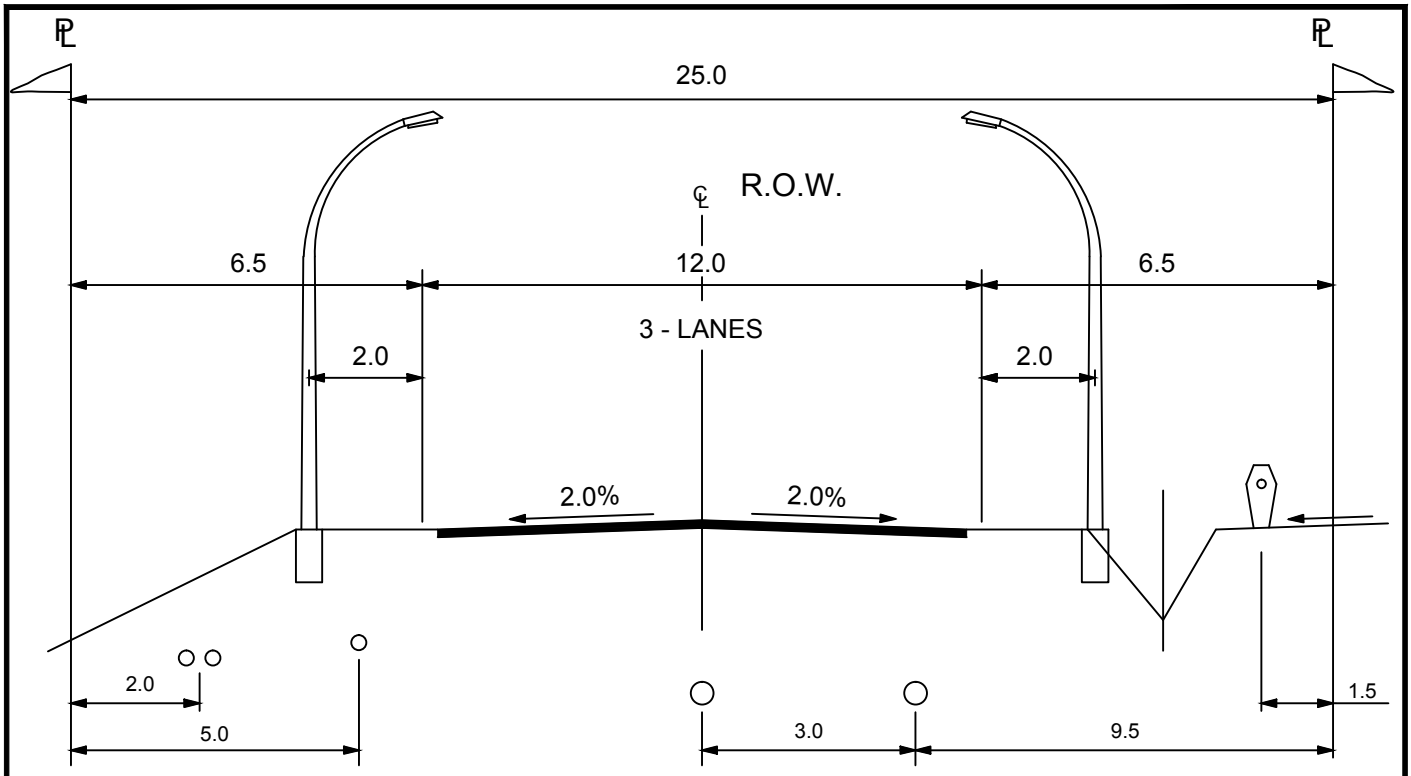
CURB AND GUTTER

WHISTLER

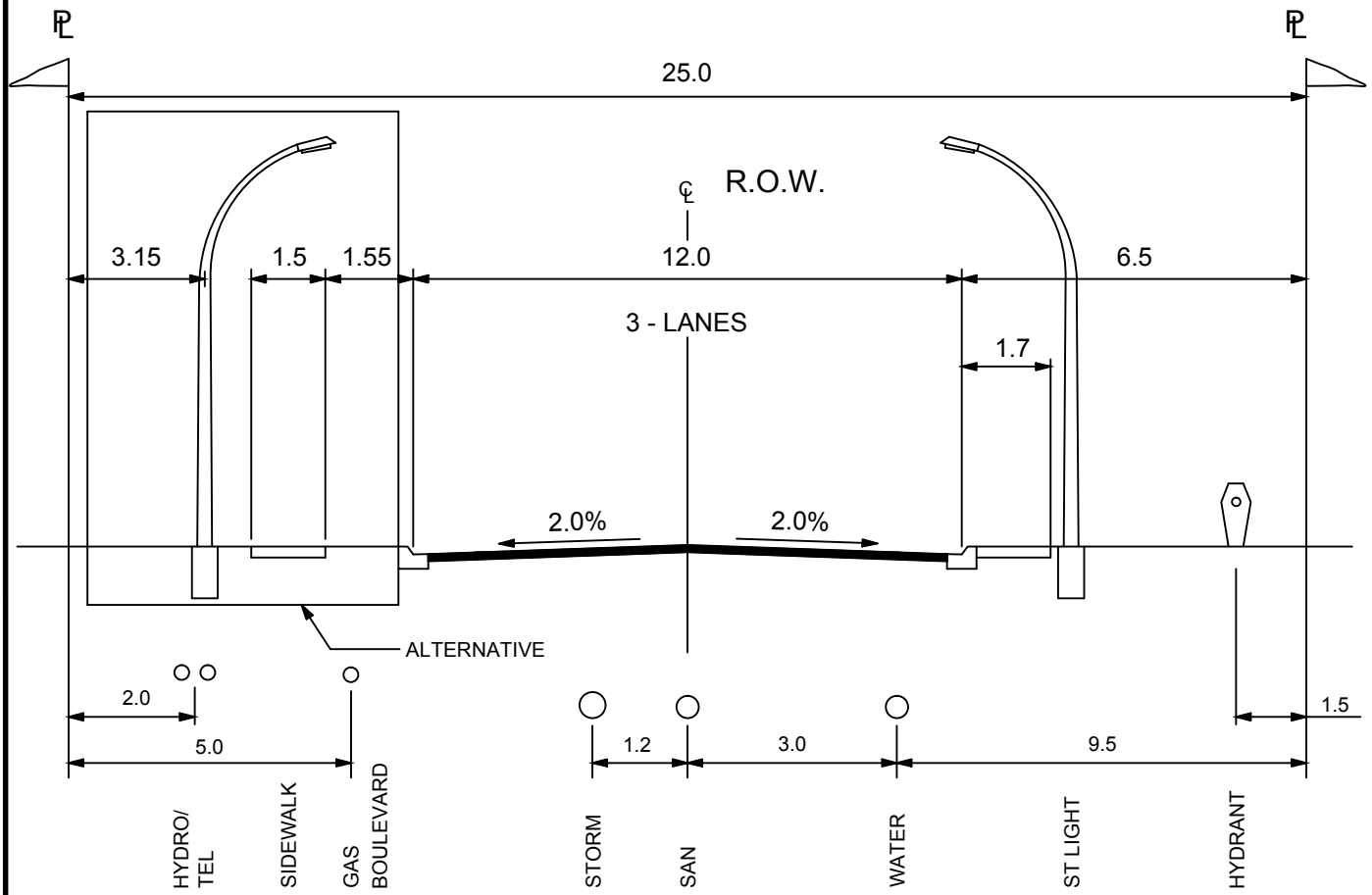
RESORT MUNICIPALITY of WHISTLER

COLLECTOR ROADS - 3 LANES

DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R12



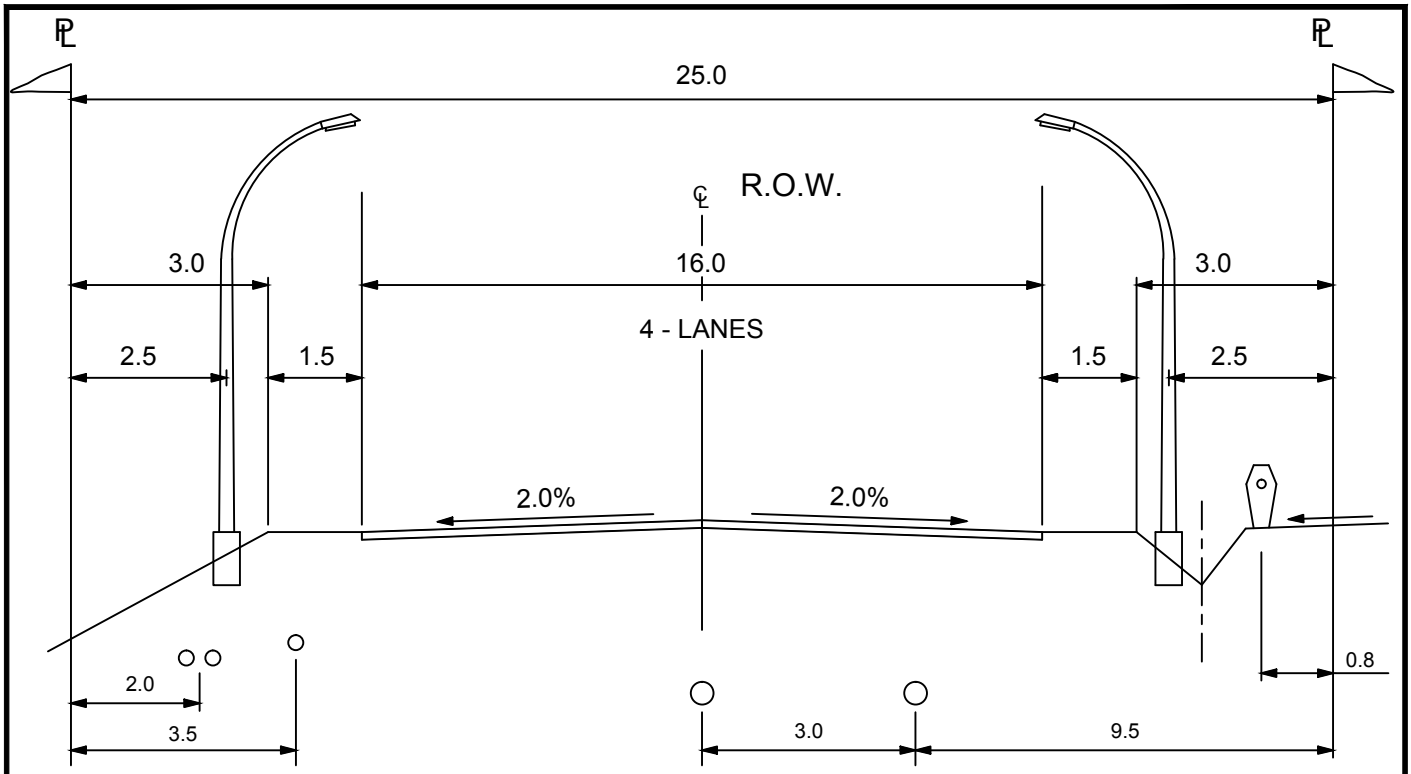
OPEN DRAINAGE



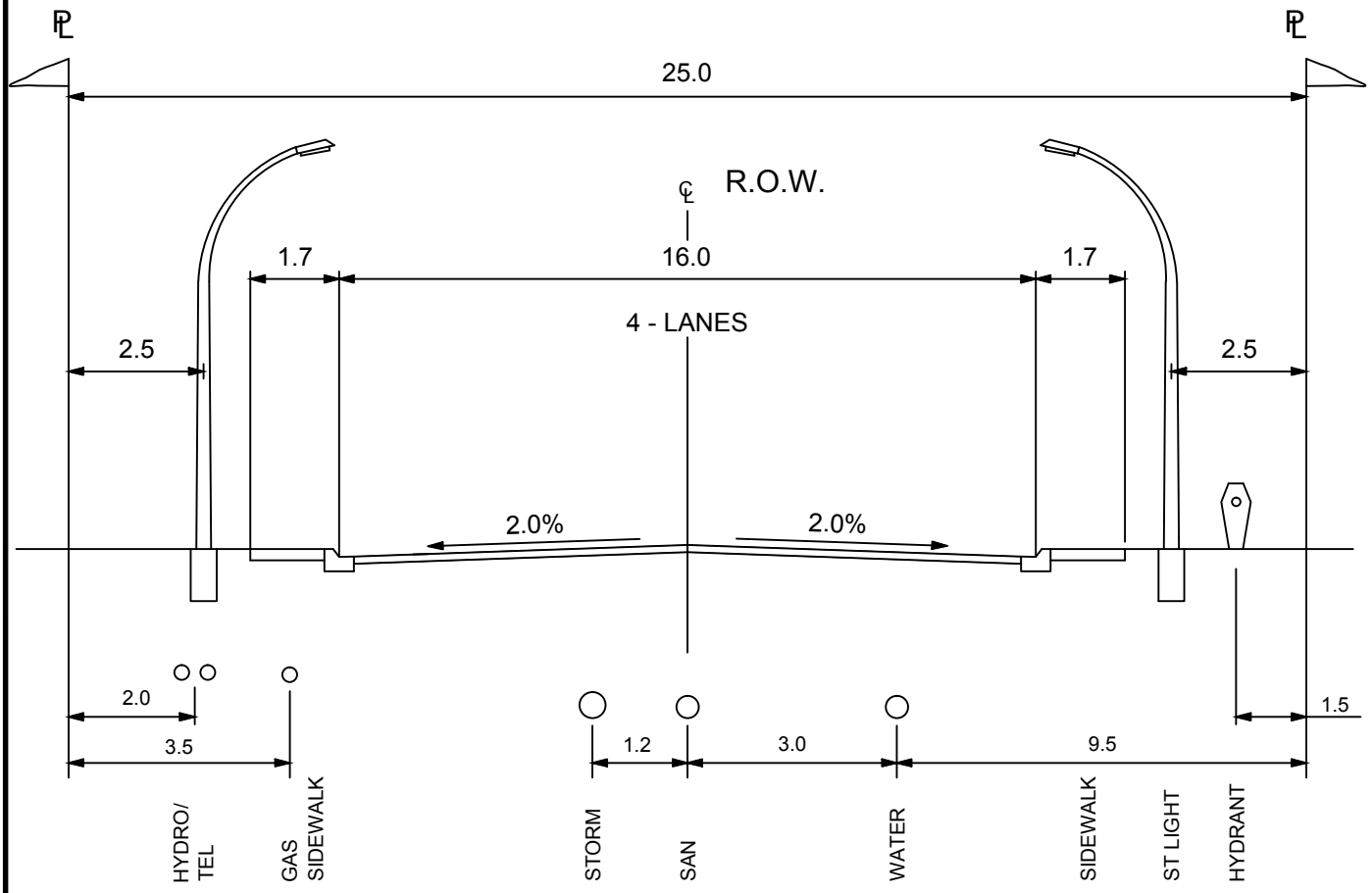
CURB AND GUTTER

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
ARTERIAL ROADS - 3 LANES	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R13



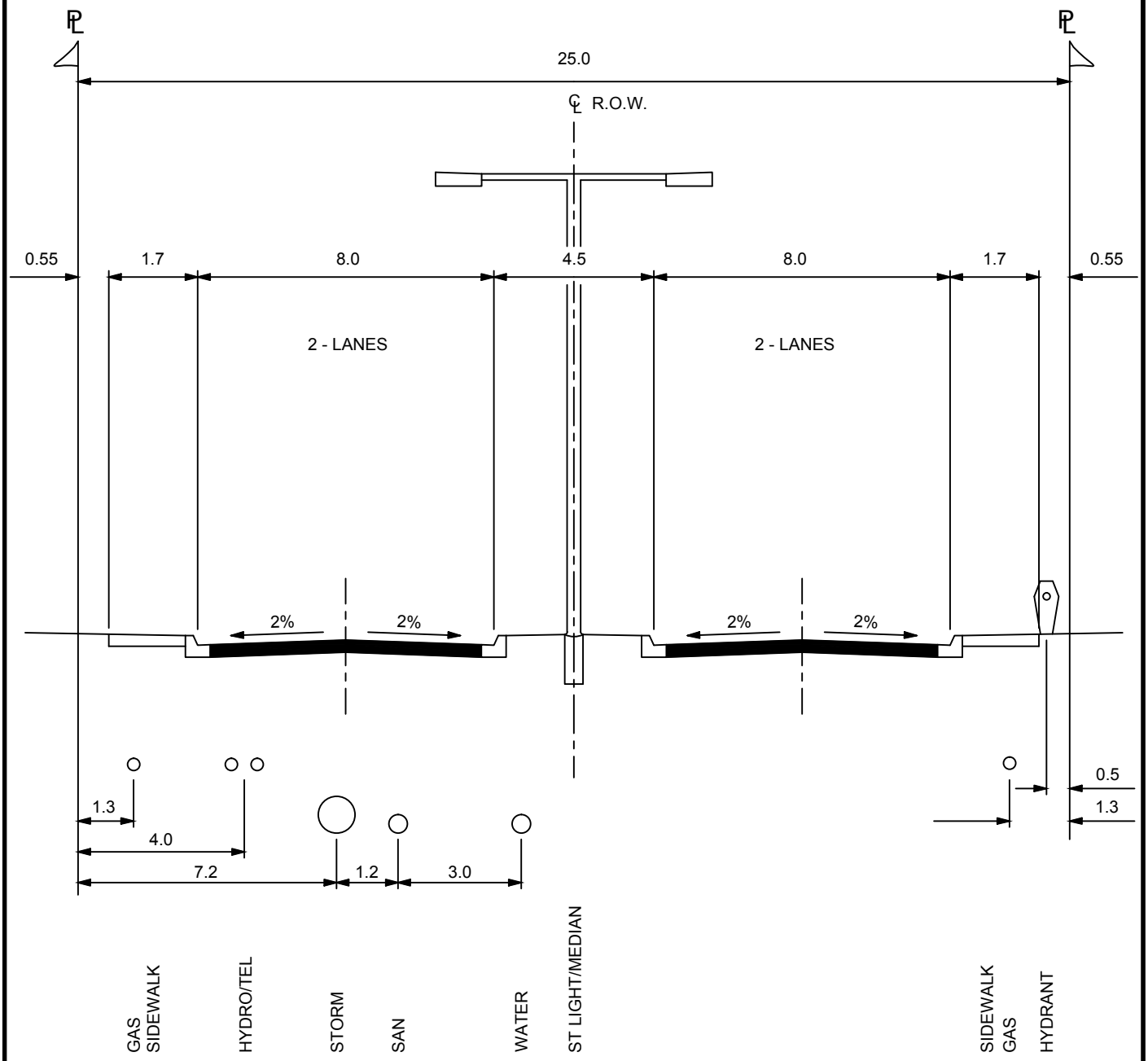
OPEN DRAINAGE



CURB AND GUTTER

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
ARTERIAL ROADS - 4 LANES	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R14



NOTES:

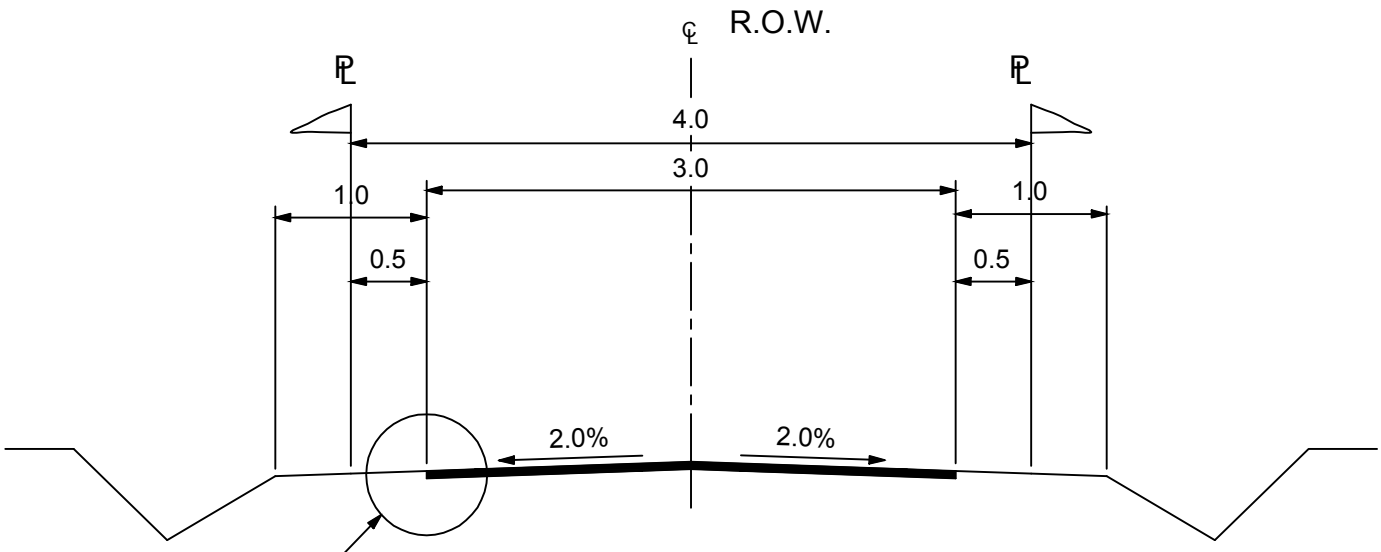
UTILITY DIMENSIONS SHOWN ARE FOR NEW ROAD CONSTRUCTION. SPECIAL CONSIDERATION IS REQUIRED WHEN WIDENING AN EXISTING ARTERIAL ROAD.

WHISTLER

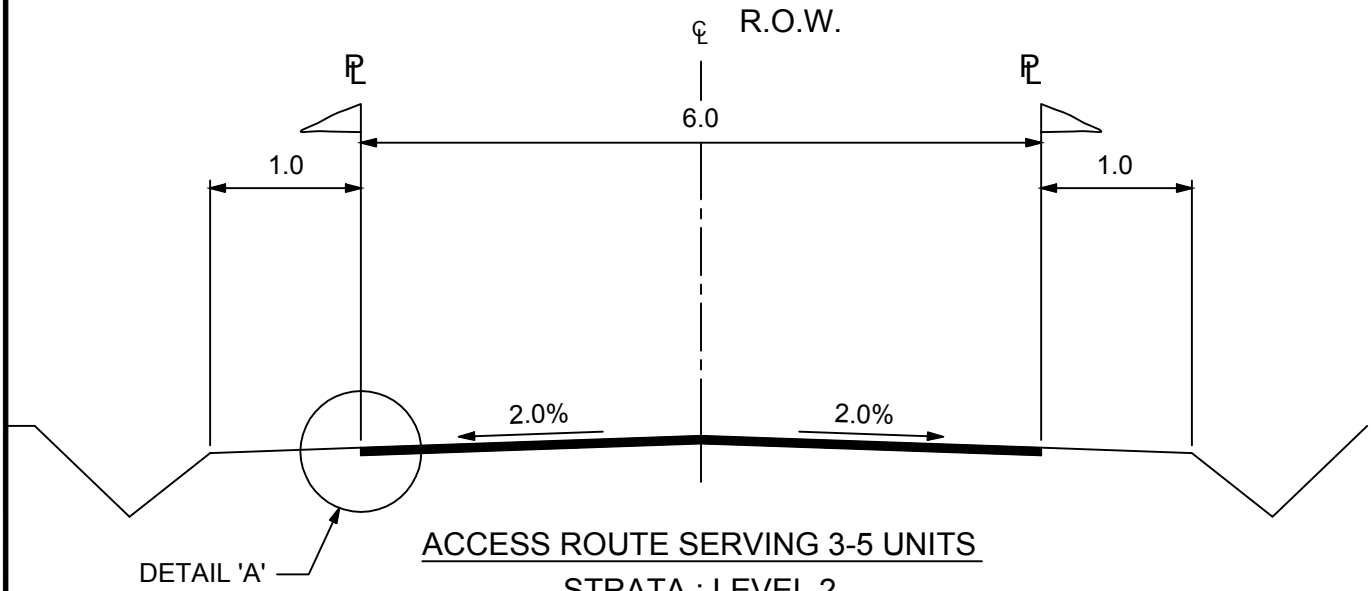
RESORT MUNICIPALITY of WHISTLER

ARTERIAL ROADS - 4 LANES DIVIDED

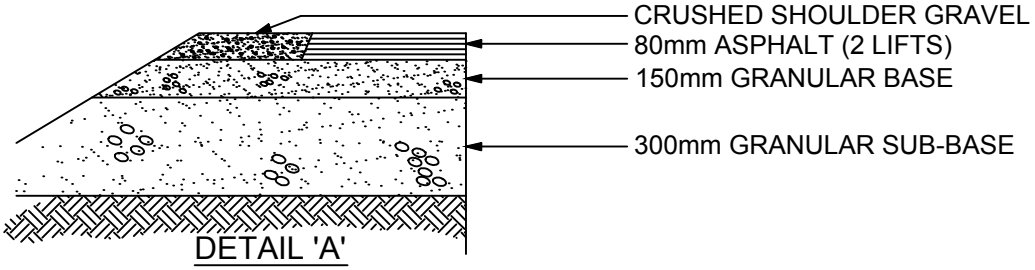
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R15



ACCESS ROUTE SERVING 1-2 UNITS
STRATA : LEVEL 1



ACCESS ROUTE SERVING 3-5 UNITS
STRATA : LEVEL 2

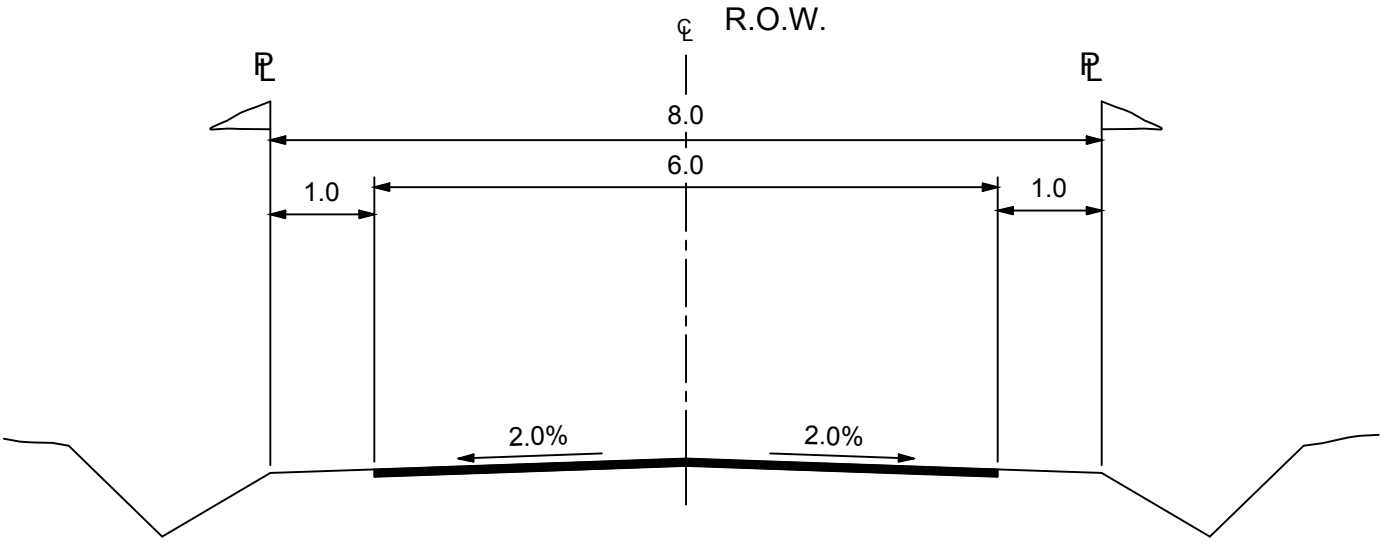


DETAIL 'A'

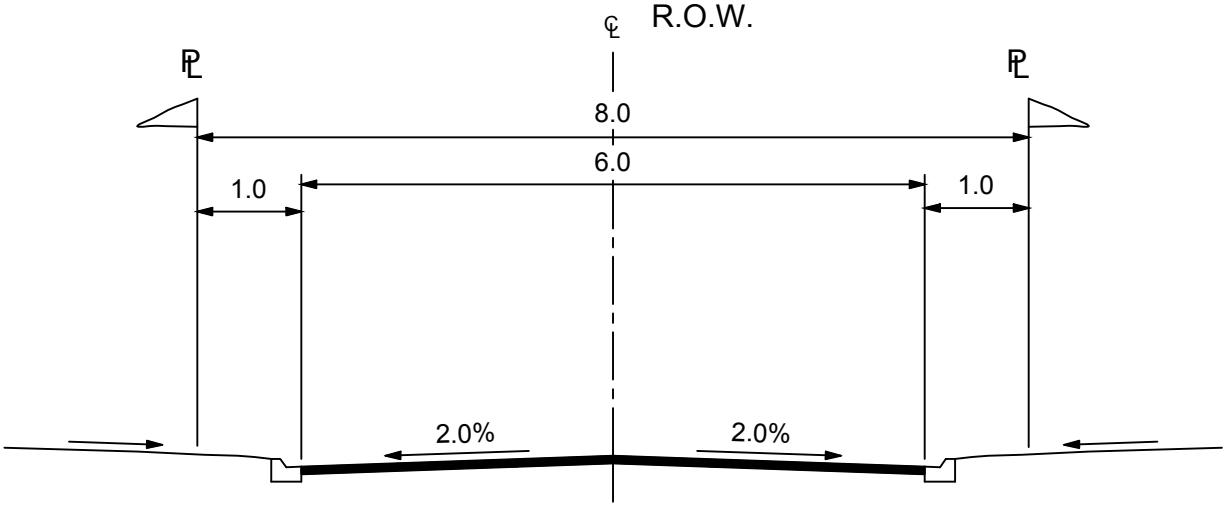
WHISTLER

RESORT MUNICIPALITY of WHISTLER	
STRATA ROADS - LEVELS 1 AND 2	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: R16

ACCESS ROUTE SERVING 6-10 UNITS



OPEN DRAINAGE



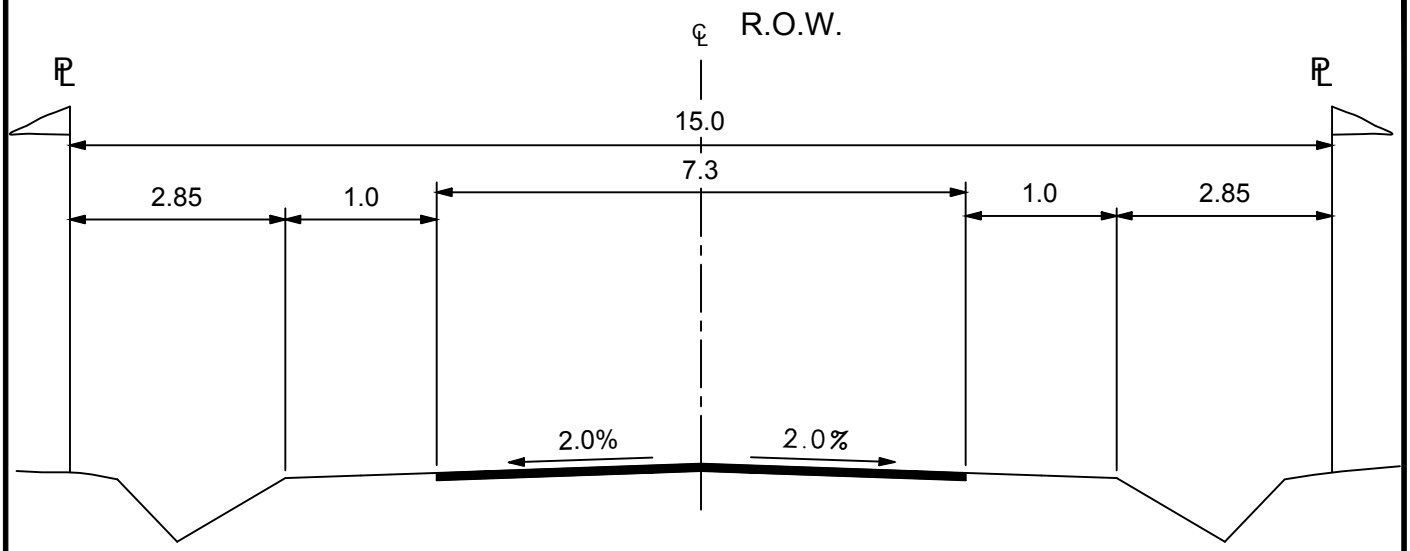
CURB and GUTTER

NOTE: FOR ROAD STRUCTURE DETAIL SEE STRATA ROAD - LEVEL 1.

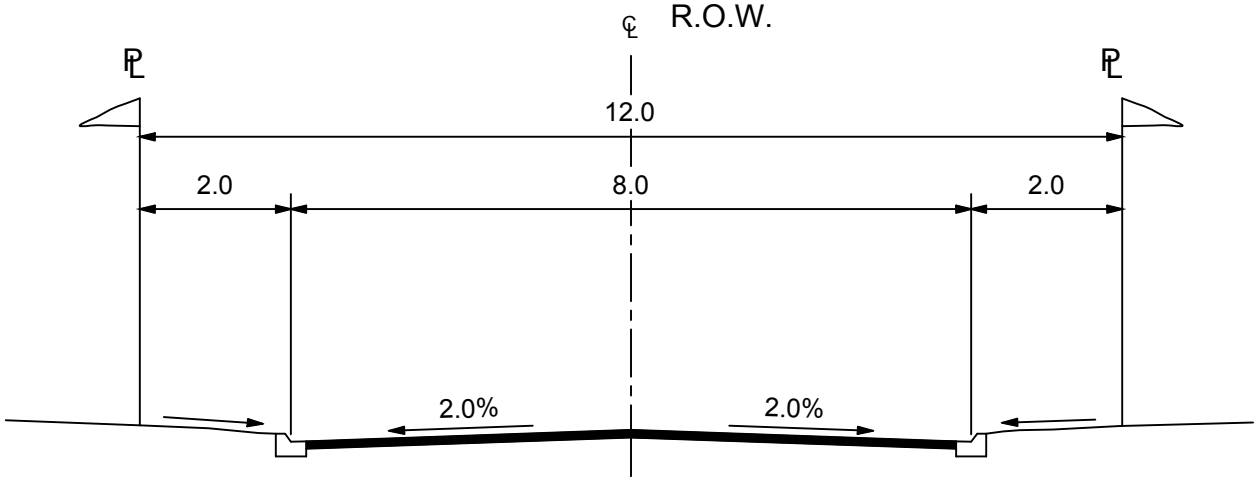
WHISTLER

RESORT MUNICIPALITY of WHISTLER	
STRATA ROADS - LEVEL 3	
DRAWN BY: BL	DATE: JULY 2008
SCALE: N.T.S.	DWG. NO.: R17

ACCESS ROUTE SERVING OVER 10 UNITS



OPEN DRAINAGE



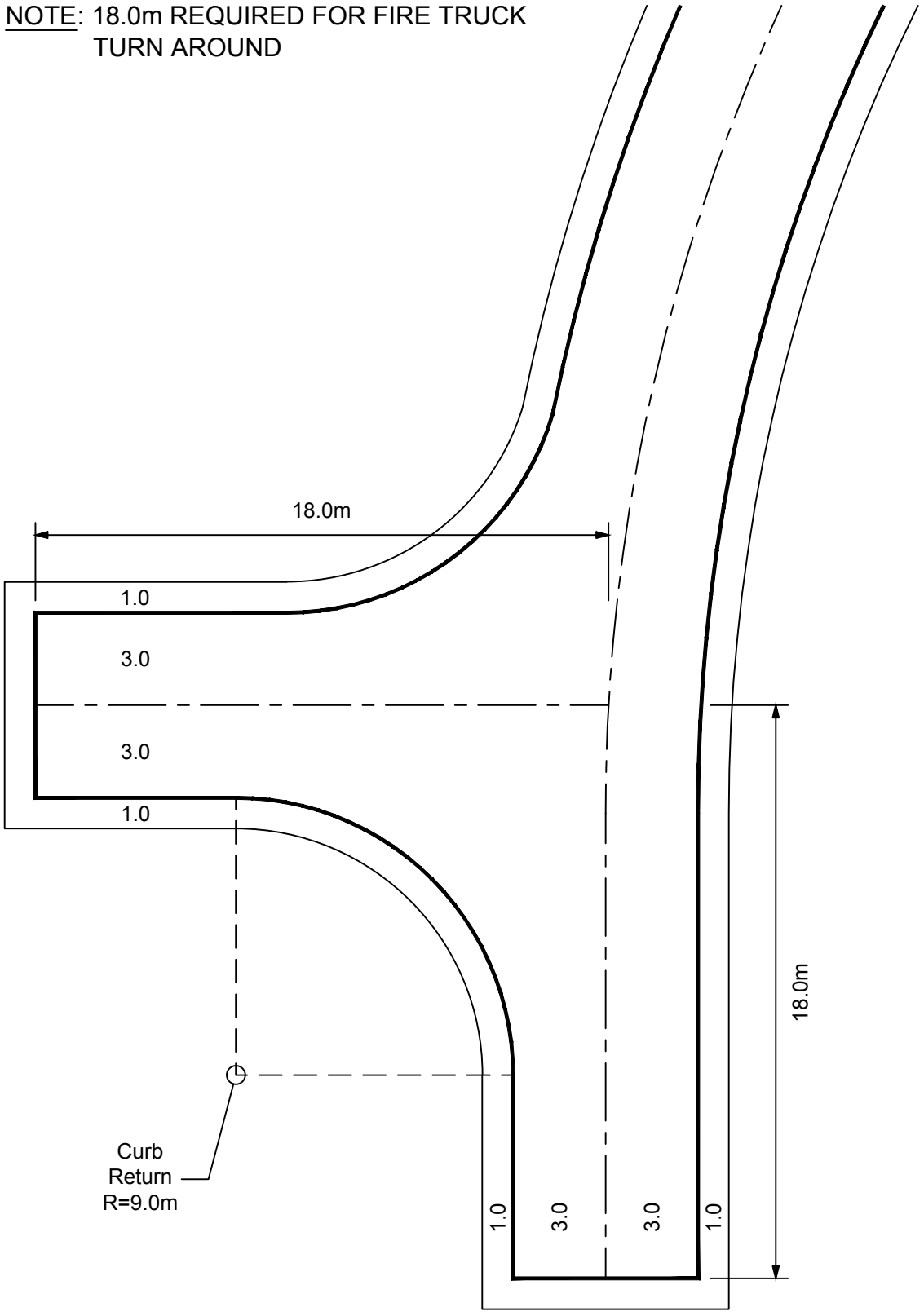
CURB and GUTTER

NOTE: FOR ROAD STRUCTURE DETAIL SEE STRATA ROAD - LEVEL 1.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
STRATA ROADS - LEVEL 4	
DRAWN BY :BL	DATE: JULY 2008
SCALE: N.T.S.	DWG. NO.: R18

NOTE: 18.0m REQUIRED FOR FIRE TRUCK
TURN AROUND

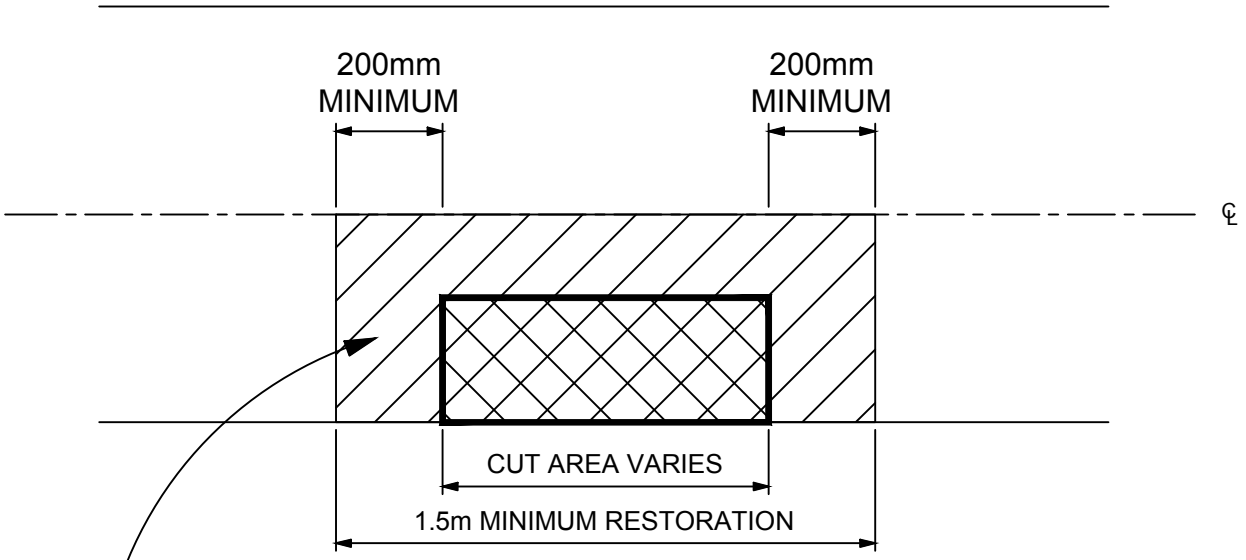


WHISTLER

RESORT MUNICIPALITY of WHISTLER	
HAMMERHEAD for PRIVATE ROADWAY	
DRAWN BY: BL	DATE: DECEMBER 2007
SCALE: N.T.S.	DWG. NO.: R19

SITUATION A

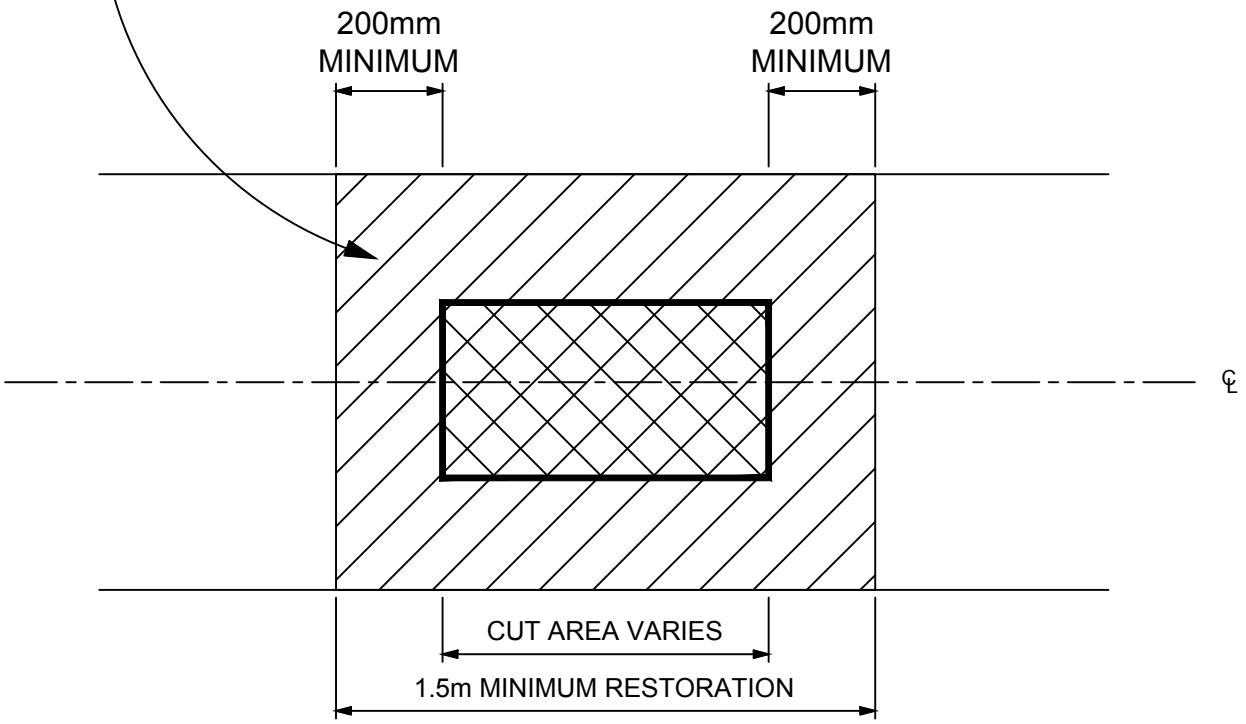
ROAD CUT LIMITED TO ONE SIDE OF CENTRELINE



OVERLAY
AREA

SITUATION B

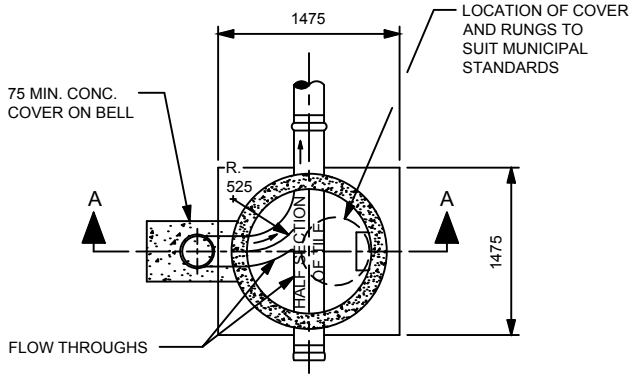
ROAD CUT STRADDLING CENTRELINE



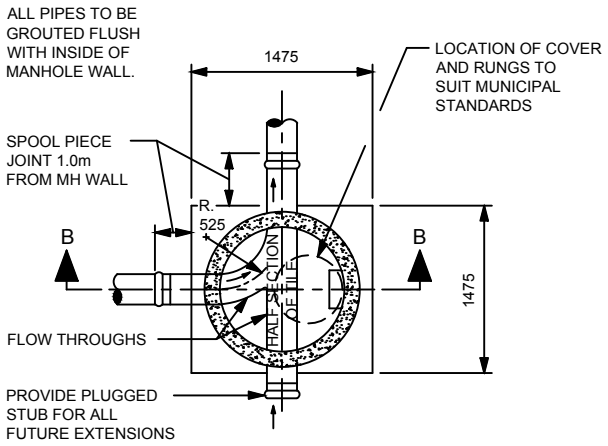
NOTE:
Refer to Sections 02512 of the Master Municipal Construction Document for detailed specifications.

WHISTLER

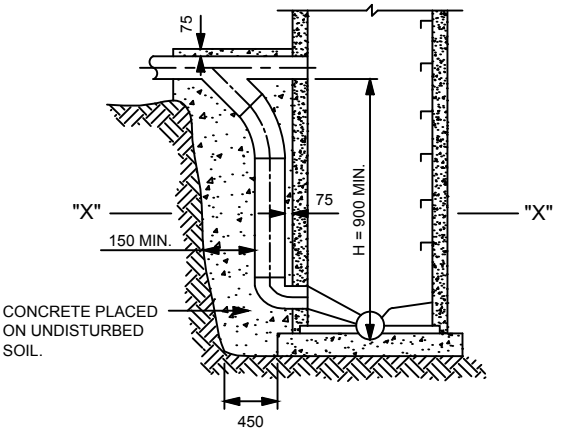
RESORT MUNICIPALITY of WHISTLER	
ROAD CUT OVERLAY	
DRAWN BY: BL	DATE: MARCH 2009
SCALE: N.T.S.	DWG. NO.: R20



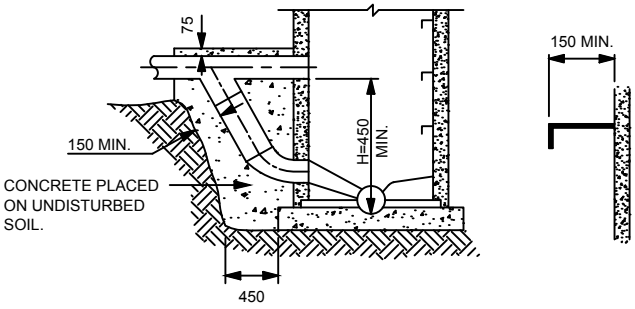
PLAN AT "X-X" SHOWING DROP



PLAN

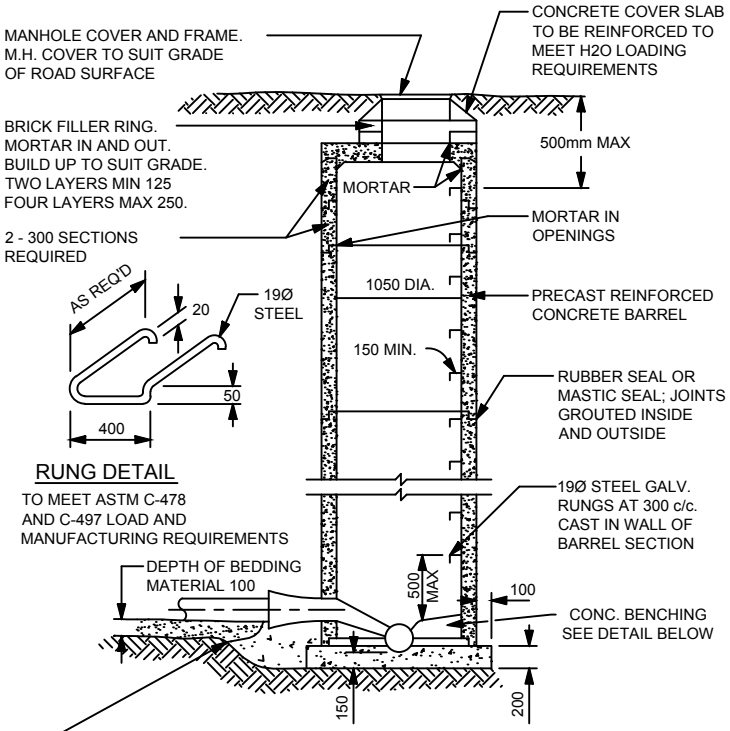


SECTION A-A
DROP MANHOLE TYPE I



SECTION A-A
DROP MANHOLE TYPE II

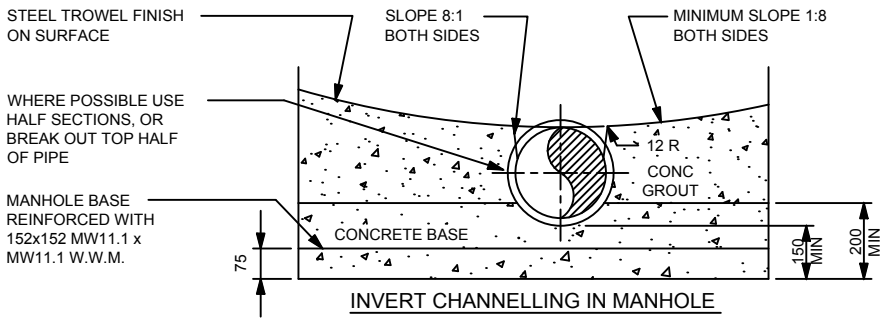
NOTE: NO INSIDE DROP MANHOLES PERMITTED



RUNG DETAIL

TO MEET ASTM C-478 AND C-497 LOAD AND MANUFACTURING REQUIREMENTS

SECTION B-B
TYPICAL MANHOLE



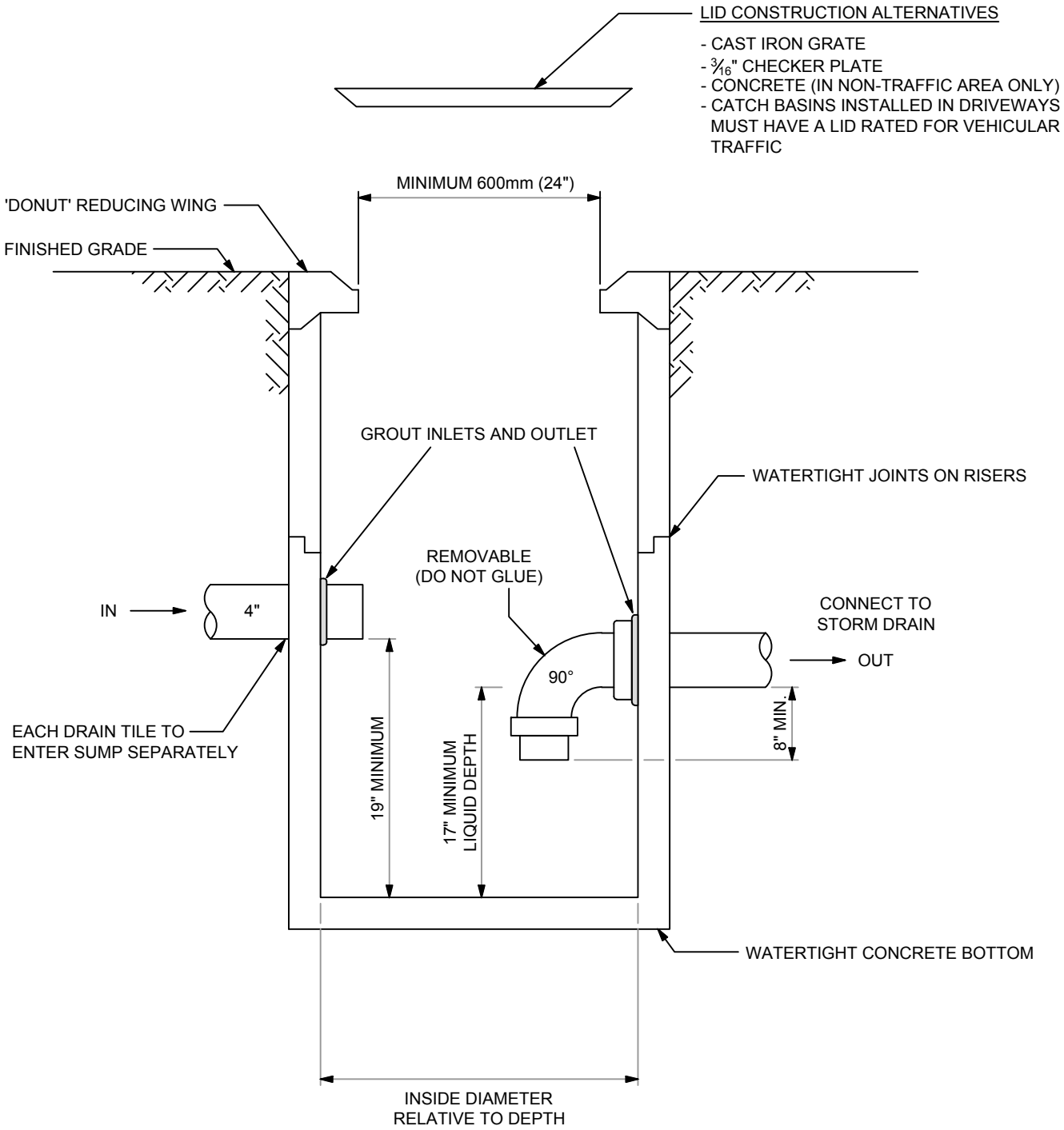
INVERT CHANNELLING IN MANHOLE

WHISTLER

RESORT MUNICIPALITY of WHISTLER

STANDARD MANHOLE DETAILS

DRAWN BY: BL	DATE: JULY 2008
SCALE: N.T.S.	DWG. NO.: S1



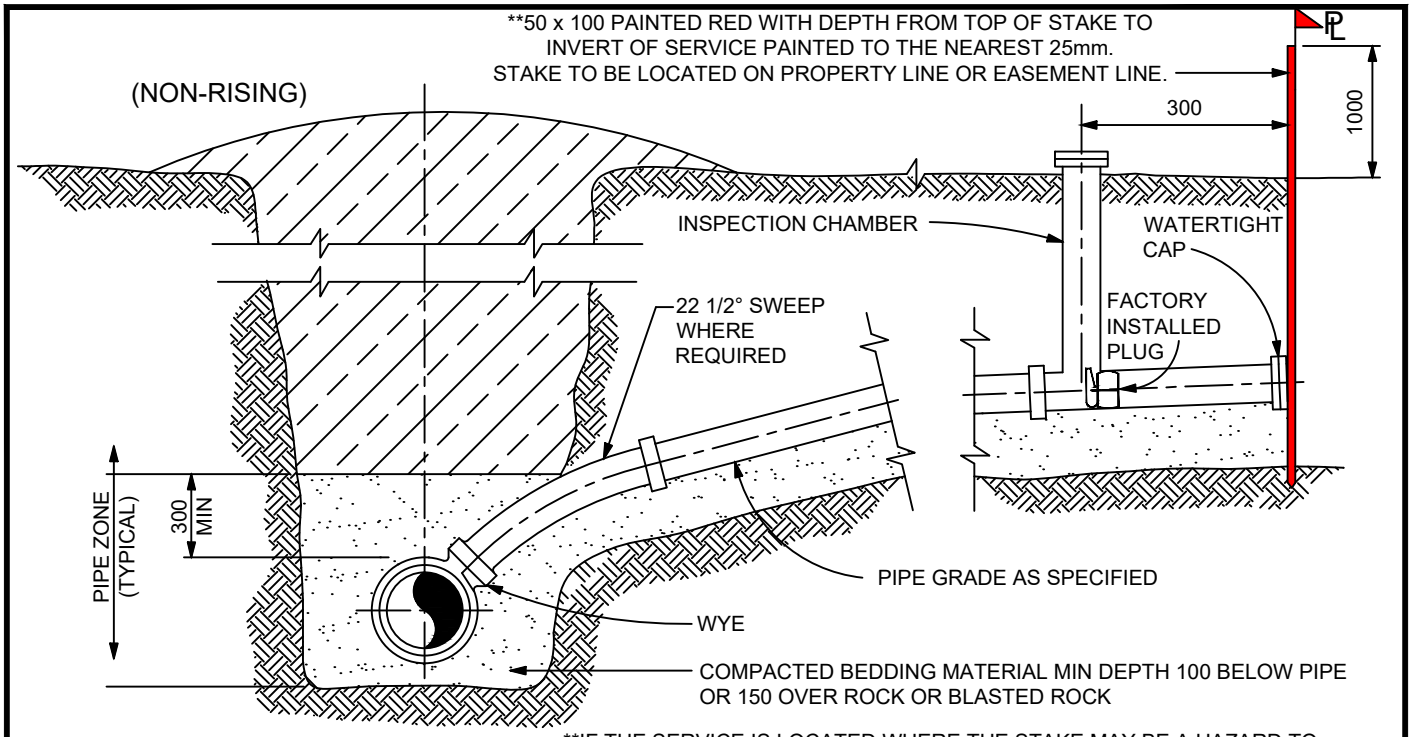
DEPTHS TO 4' REQUIRE 600mm (24") DIAMETER
DEPTHS TO 6' REQUIRE 750mm (30") DIAMETER
DEPTHS OVER 6' REQUIRE 900mm (36") DIAMETER WITH LADDER:
GALVANIZED RUNGS STARTING 600mm (2') FROM TOP AT 300mm (12") INTERVALS

WHISTLER

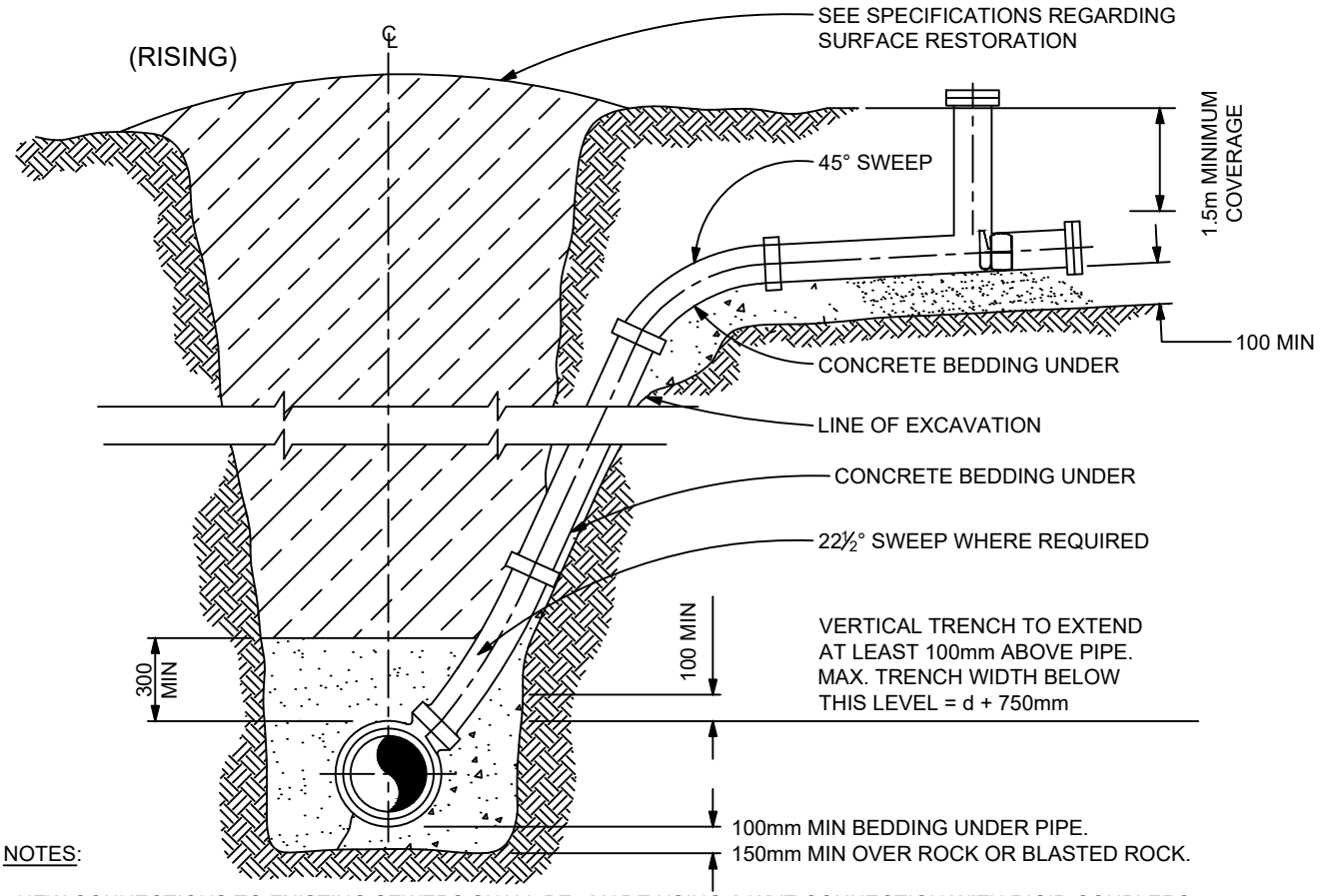
RESORT MUNICIPALITY of WHISTLER

STORM SUMP DETAILS

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: S1-A



**IF THE SERVICE IS LOCATED WHERE THE STAKE MAY BE A HAZARD TO PEDESTRIANS OR TRAFFIC, IT SHALL ONLY BE BROUGHT TO GROUND SURFACE.



NOTES:

- NEW CONNECTIONS TO EXISTING SEWERS SHALL BE MADE USING A WYE CONNECTION WITH RIGID COUPLERS.
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS "DENSO" PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.
- ALL DUPLEX LOTS SHALL HAVE TWO SEPARATE SANITARY AND STORM CONNECTIONS TO THE MUNICIPAL MAIN.

WHISTLER

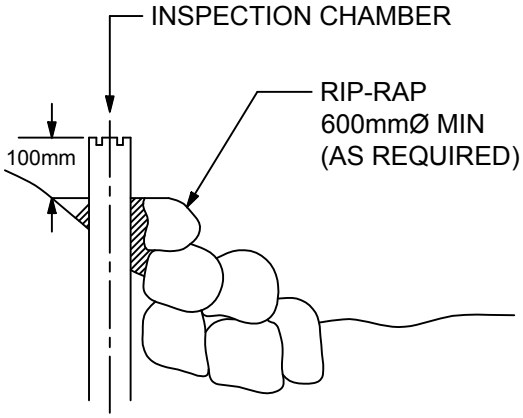
RESORT MUNICIPALITY of WHISTLER

SANITARY & STORM SERVICE CONNECTION

DRAWN BY: BL	DATE: MAY 2020
SCALE: N.T.S.	DWG. NO.: S7-A

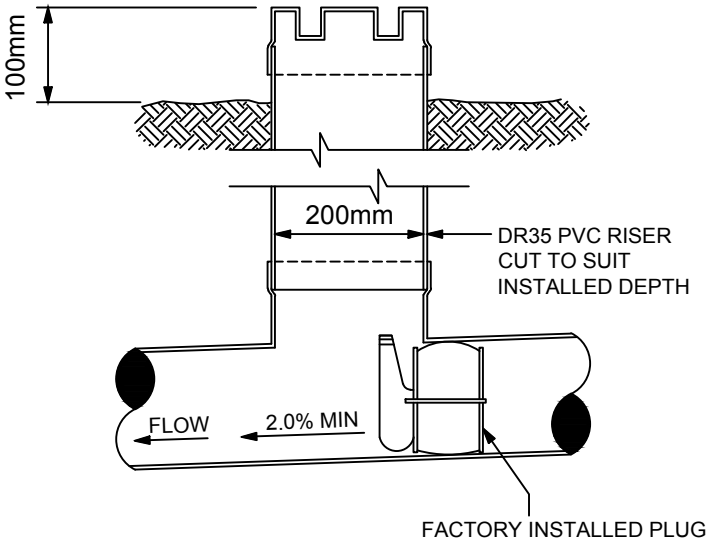
CASE 1:

SANITARY SERVICE INSPECTION
CHAMBER IN NON TRAVELLED AREA.



CASE 2:

INSTALLATION
IN BOULEVARD



NOTES:

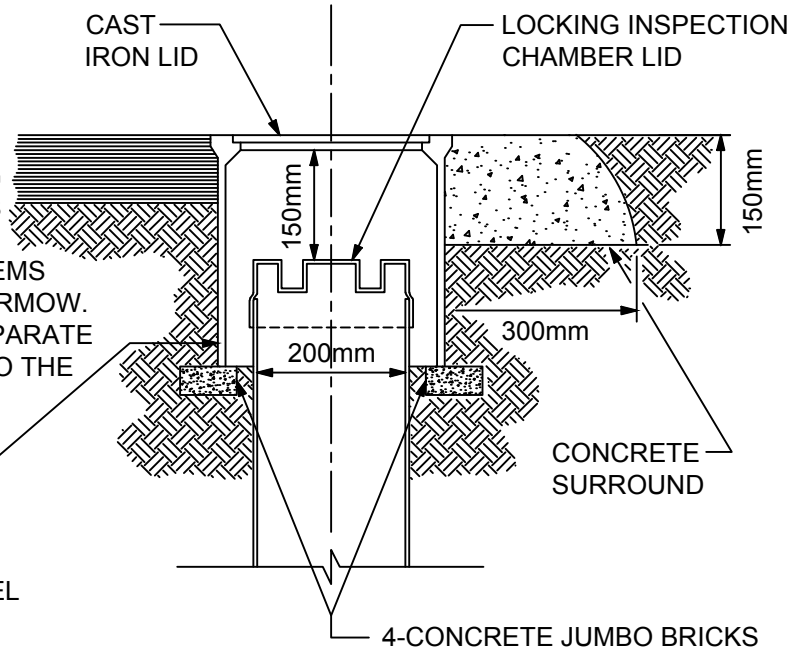
-INSPECTION CHAMBER FITTING WITH FACTORY INSTALLED PLUG, LERON PLASTICS PART #70A4PPAF OR EQUIVALENT
-200MM INSPECTION CHAMBER LID ADAPTER LOCKING, LERON PLASTICS PART #73AL08HSL OR EQUIVALENT
-200MM RED LOCKING INSPECTION CHAMBER LID, LERON PLASTICS PART #71ABLID08RGL OR EQUIVALENT
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.
- ALL DUPLEX LOTS SHALL HAVE TWO SEPARATE SANITARY AND STORM CONNECTIONS TO THE MUNICIPAL MAIN.

CASE 3:

ASPHALT/CONCRETE
DRIVEWAY

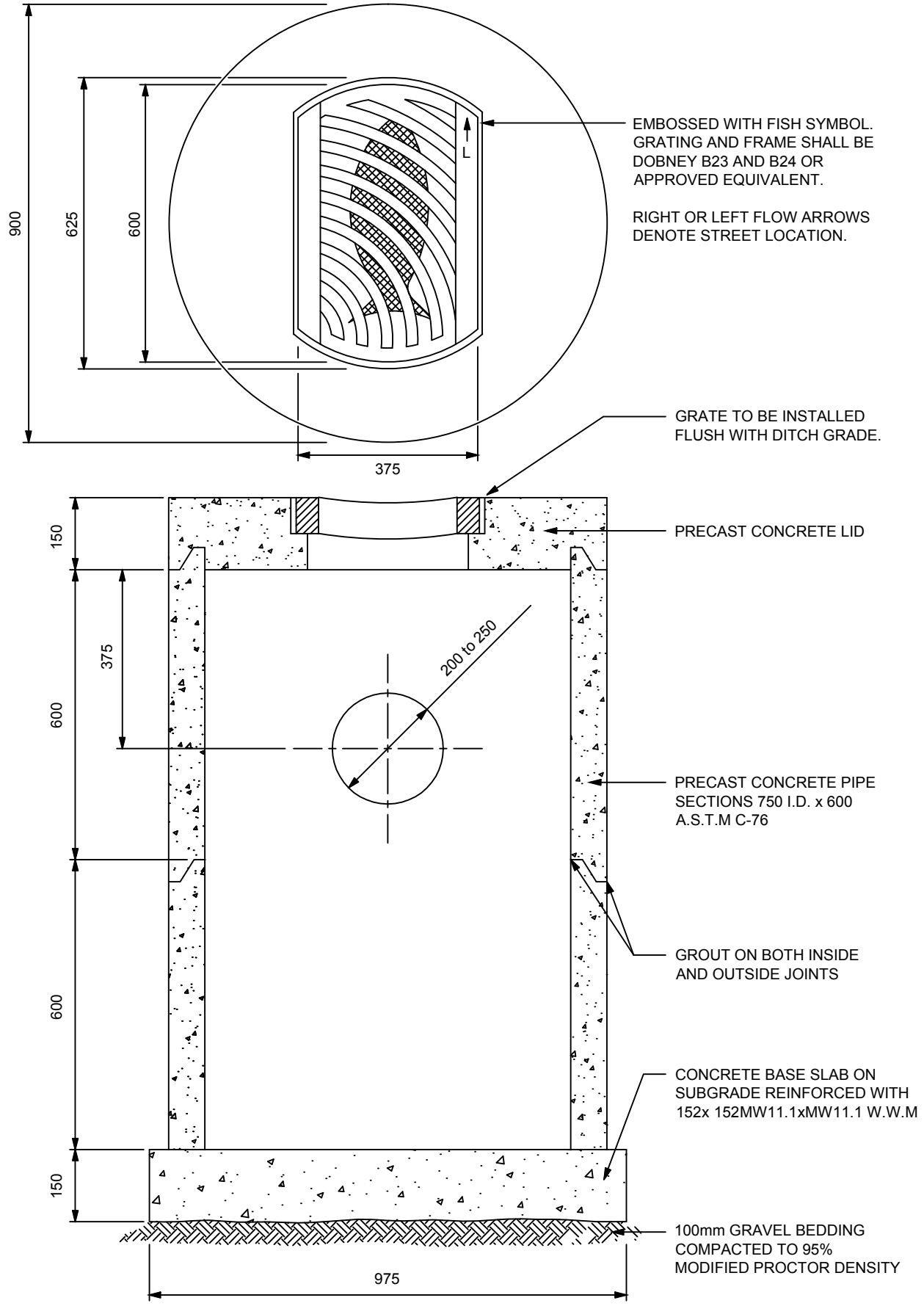
CASE 4:

GRAVEL
DRIVEWAY



WHISTLER

RESORT MUNICIPALITY of WHISTLER	
SANITARY & STORM SERVICE INSPECTION CHAMBER	
DRAWN BY: BL	DATE: JULY 2017
SCALE: N.T.S.	DWG. NO.: S7-B

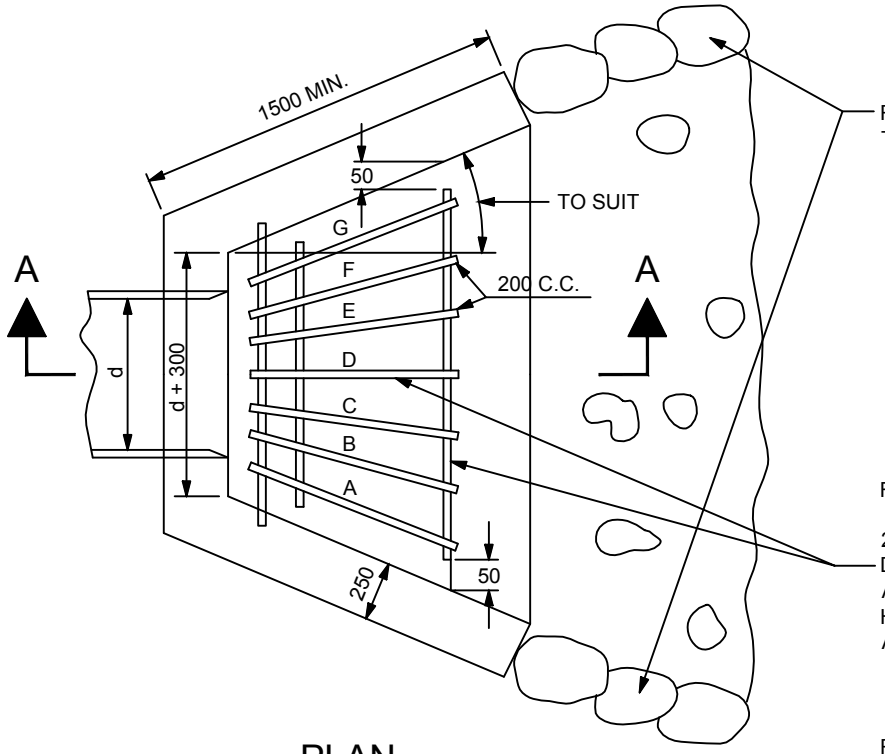


WHISTLER

RESORT MUNICIPALITY of WHISTLER

DITCH CATCH BASIN DETAIL

DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: S12

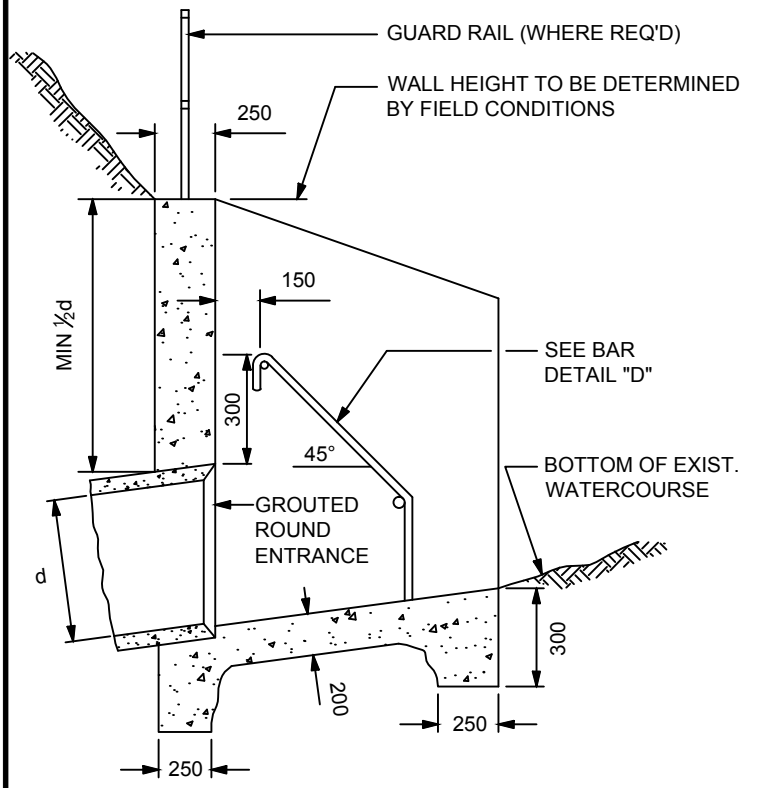


PLAN

FOR d>=600Ø OR AS REQUIRED BY ENGINEER:

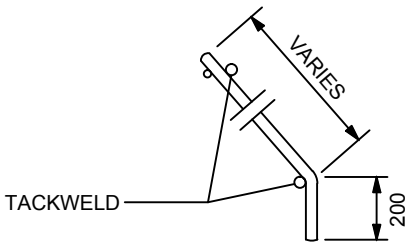
20mm STEEL BAR GRILL (SEE DETAIL FOR INDIVIDUAL BARS). ALL STEEL COMPONENTS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.

REINFORCING STEEL TO CSA G-30.18-M92 GRADE 400.

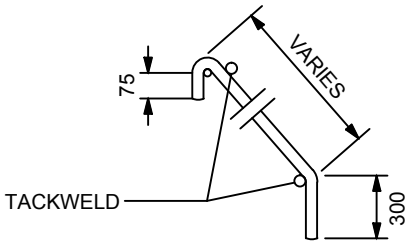


SECTION A-A

INLET DETAIL



DETAIL OF BARS B, C, E, F

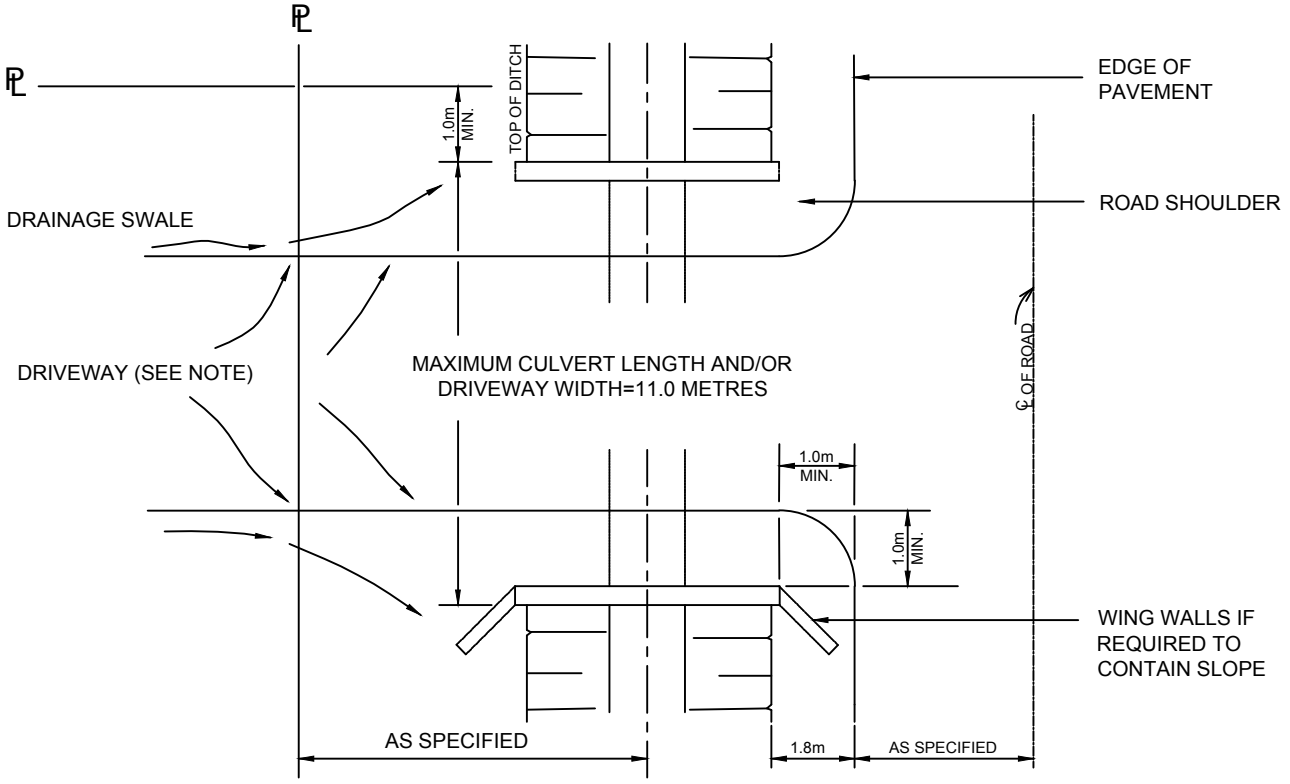


DETAIL OF BARS A, D, G

NOTE: FOR OUTLET USE REVERSE SLOPE OF BASE SLAB.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
STANDARD ENTRANCE/OUTLET HEADWALL	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: S13

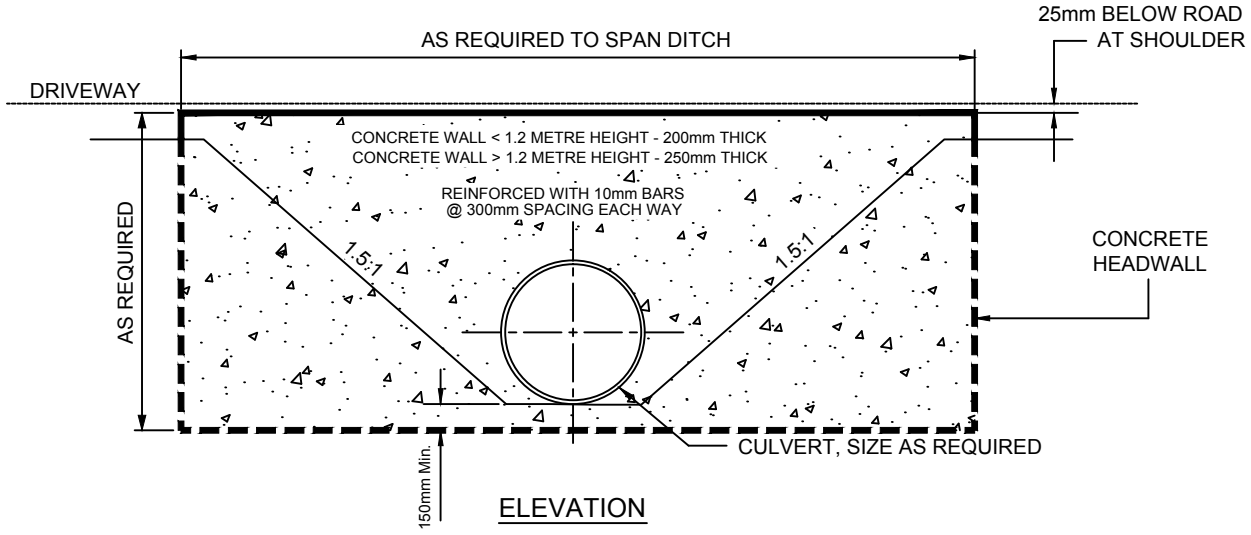


PLAN VIEW

NOTE:

ALL DRAINAGE FROM DRIVEWAY AND PRIVATE PROPERTY TO BE DIRECTED TO DITCH BY CROWN AND /OR SWALE. NO DRAINAGE TO STREET .

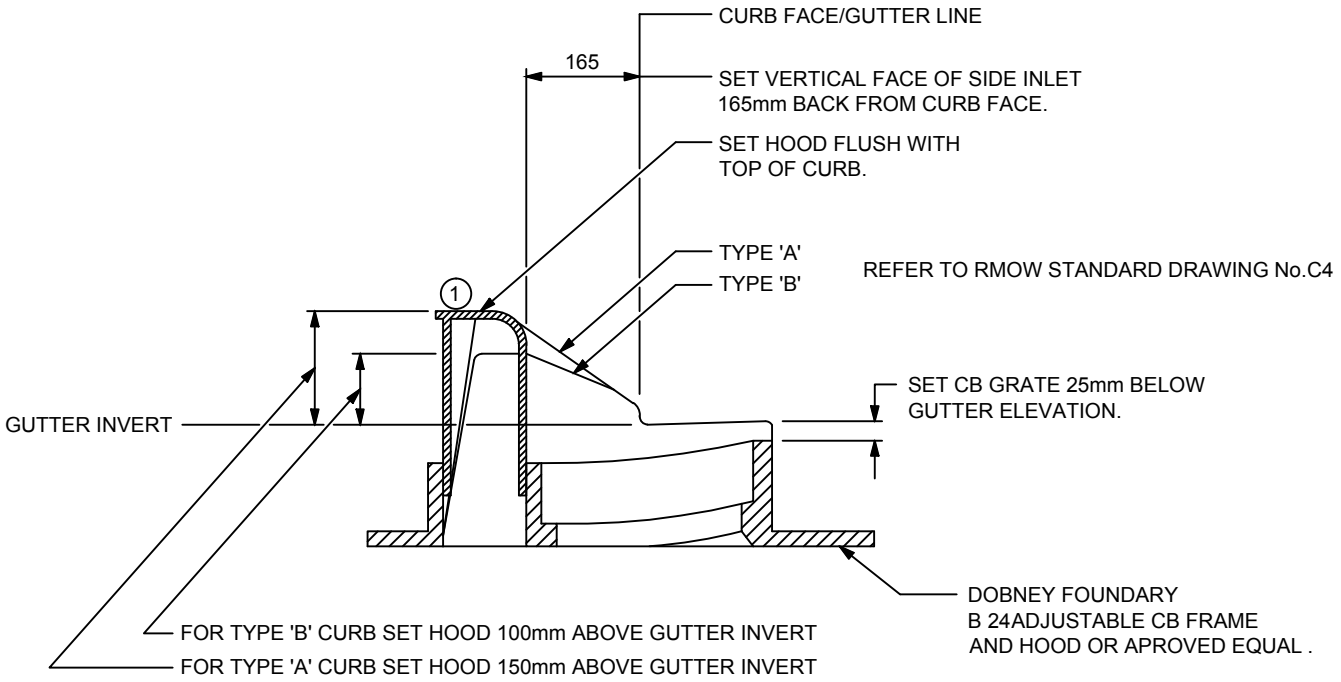
ONLY ONE (1) DRIVEWAY ACCESS PERMITTED PER RESIDENCE .

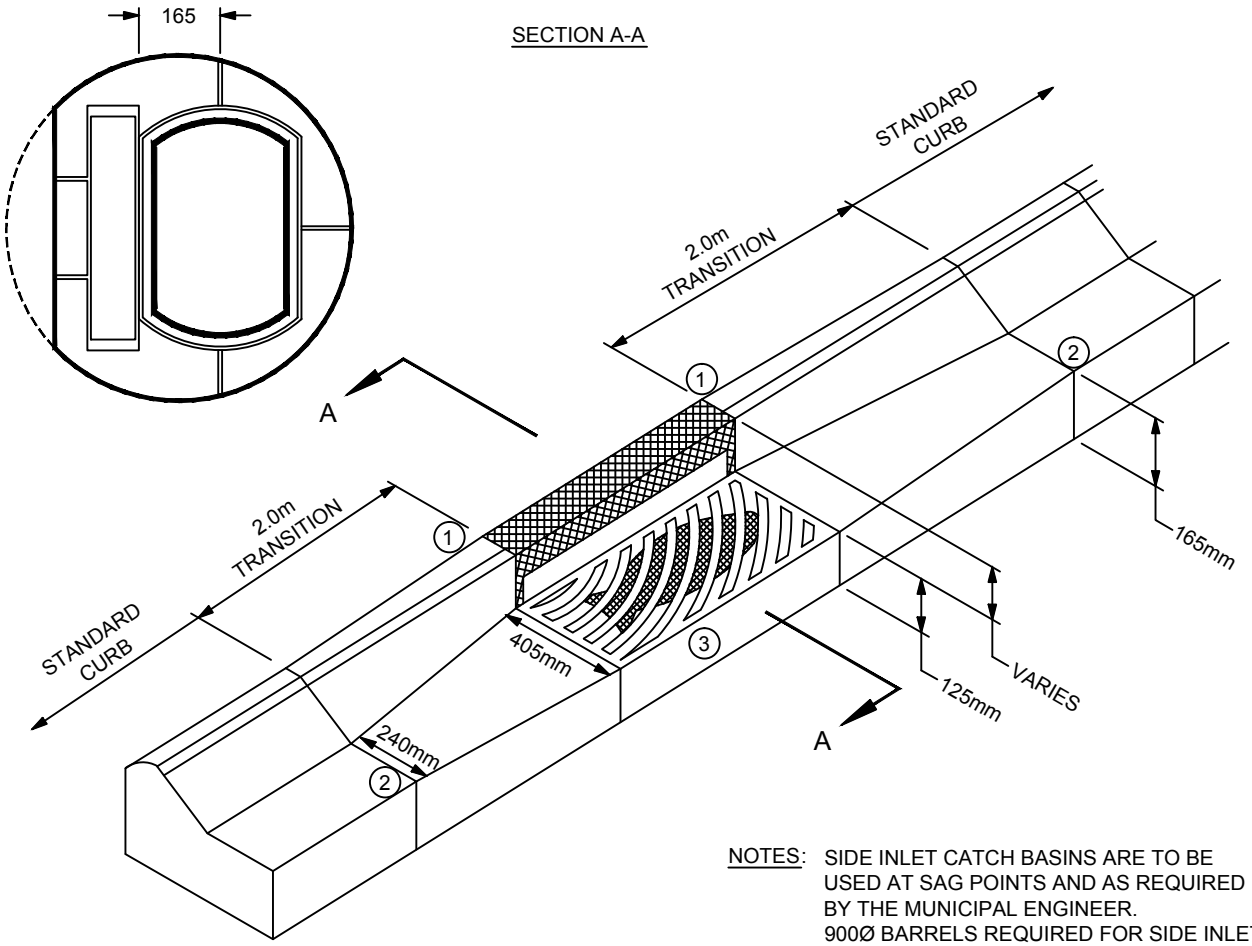


ELEVATION

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
DRIVEWAY CULVERT & HEADWALL	
DRAWN BY: BL/JD	DATE: SEPTEMBER 2012
SCALE: N.T.S.	DWG. NO.: S15





NOTES: SIDE INLET CATCH BASINS ARE TO BE USED AT SAG POINTS AND AS REQUIRED BY THE MUNICIPAL ENGINEER.
900Ø BARRELS REQUIRED FOR SIDE INLETS.

ADDITIONAL CATCH BASIN GRATE INFORMATION SUPPLIED ON RMOW STANDARD DRAWING S12

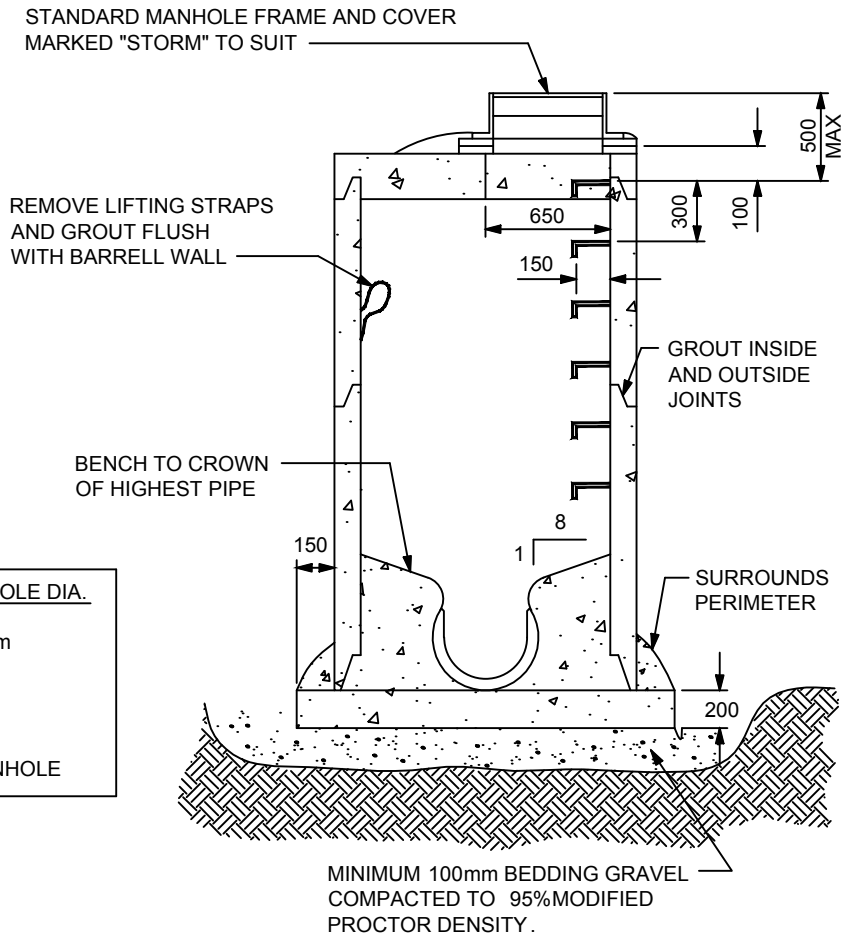
(1) EXTEND CONCRETE TO MATCH CASTING
(2) EXPANSION JOINT
(3) KEEP FLUSH WITH CURB FACE

WHISTLER

RESORT MUNICIPALITY of WHISTLER

SIDE INLET CATCH BASIN/CURB DETAIL (TYPE A & B CURBS)

DRAWN BY: BL	DATE: JULY 2008
SCALE: N.T.S.	DWG. NO.: S16



INSIDE PIPE DIA.	INSIDE MANHOLE DIA.
300mm and 400mm	900mm
450	1050
525 and 600	1200
675 and 750	1350
900 and 1050	1500
1200 and OVER	RISER MANHOLE

STANDARD 1050mm MANHOLE

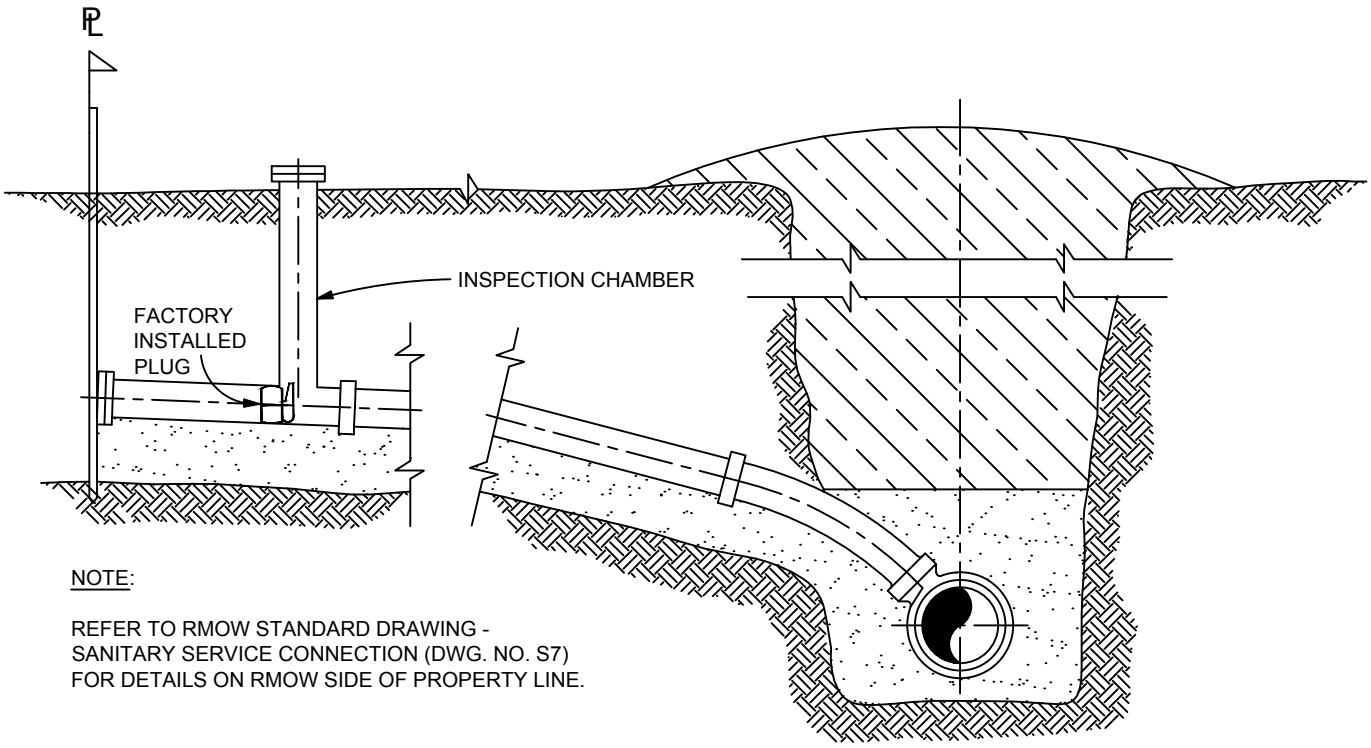
NOTE:
1. DETAILS ARE DRAWN FOR PRECAST RISERS ON CAST-IN-PLACE BASE. PRECAST BASES APPROVED BY ENGINEER ARE ACCEPTABLE.
2. MAXIMUM DEPTH TO FIRST RUNG IS 500mm WHEN HANDHOLD IS INSTALLED BETWEEN TOP AND FIRST RUNG, MAXIMUM DEPTH MAY BE INCREASED TO 660mm.
3. REFER TO RMOW STANDARD DRAWING S1 FOR STANDARD MANHOLE CONSTRUCTION DETAILS.
4. REFER TO CONTRACT DRAWINGS AND SECTION 02725 FOR DETAILED SPECIFICATIONS.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

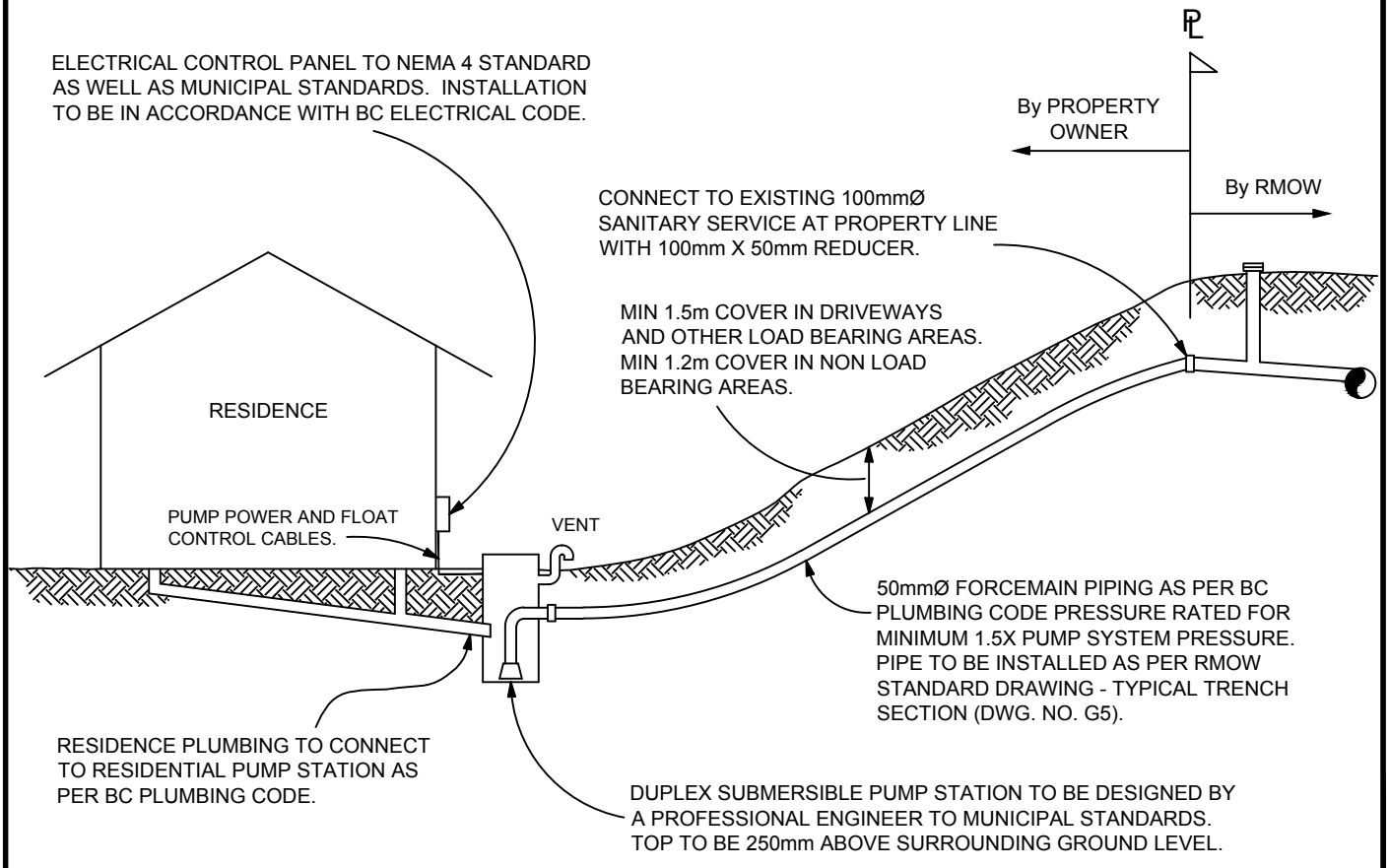
STANDARD CLEANOUTS for DRIVEWAY CULVERTS

DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: S17



NOTE:

REFER TO RMOW STANDARD DRAWING -
SANITARY SERVICE CONNECTION (DWG. NO. S7)
FOR DETAILS ON RMOW SIDE OF PROPERTY LINE.



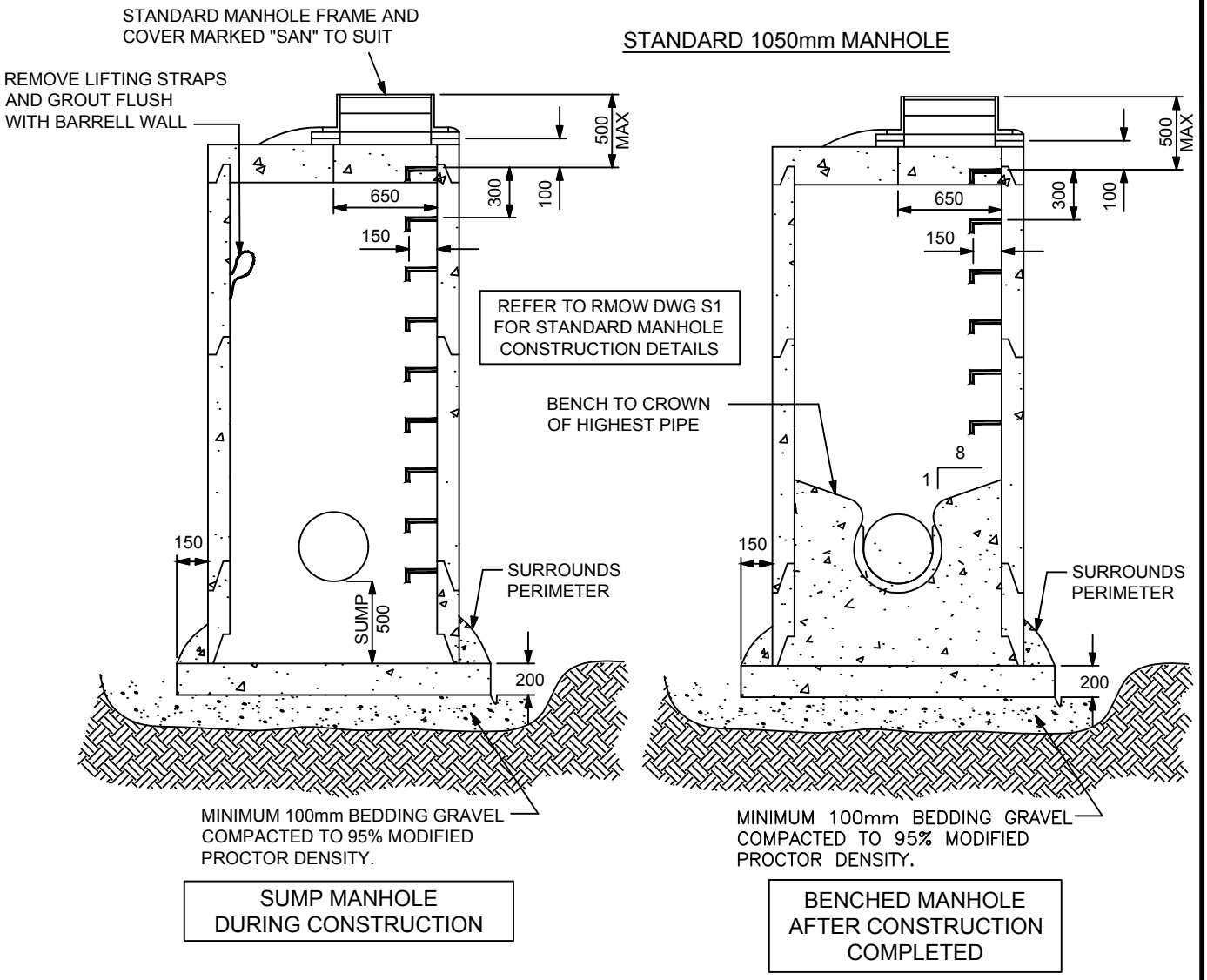
WHISTLER

RESORT MUNICIAPLITY of WHISTLER

RESIDENTIAL PUMP CONNECTION TO GRAVITY MAIN

DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: S18

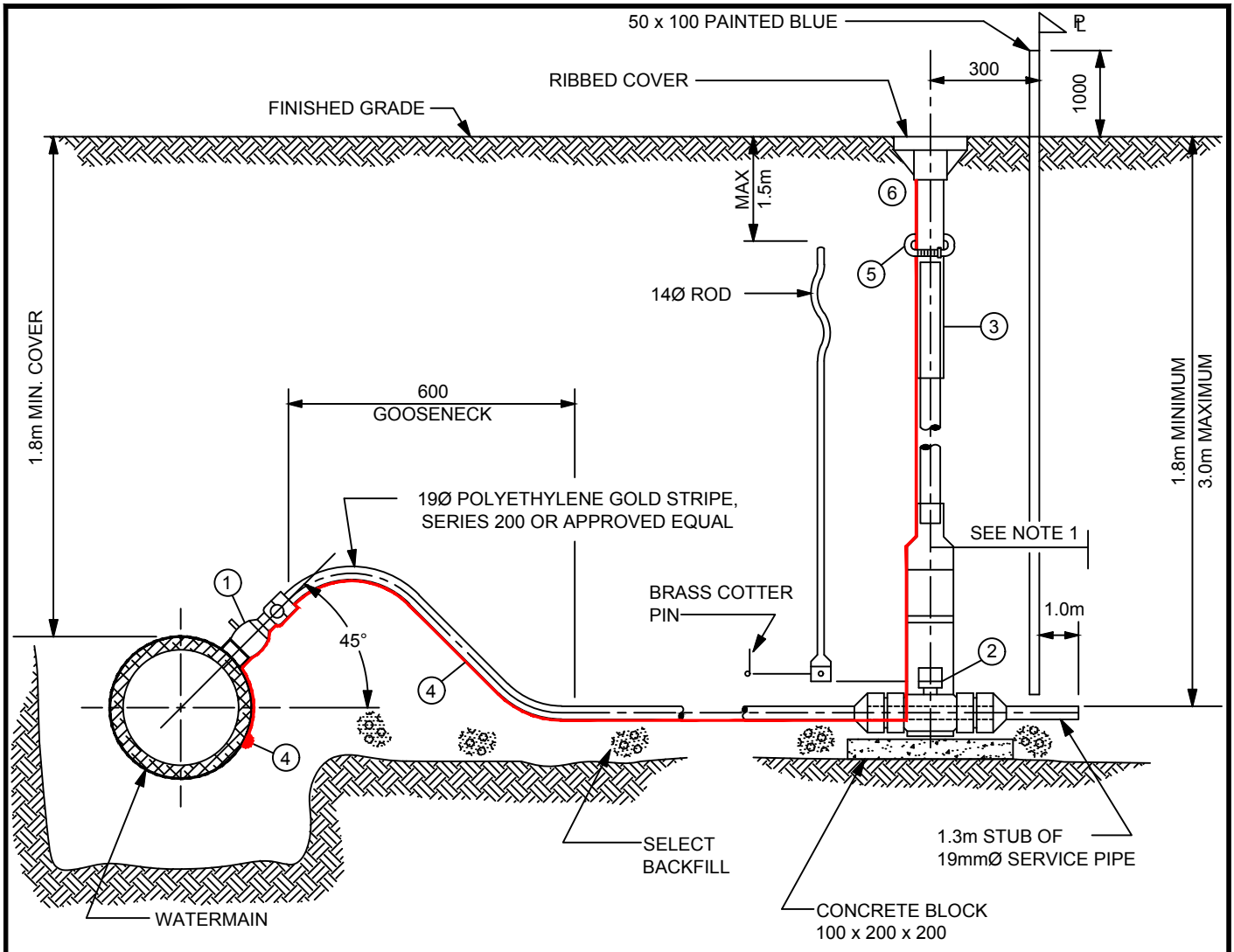
STANDARD 1050mm MANHOLE



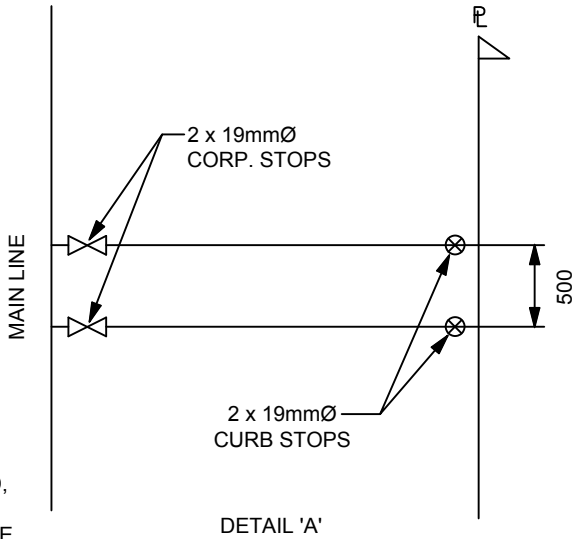
NOTE:
1. DETAILS ARE DRAWN FOR PRECAST RISERS ON CAST-IN-PLACE BASE. PRECAST BASES APPROVED BY ENGINEER ARE ACCEPTABLE.
2. SUMP MANHOLE TO BE LOCATED AT PROPERTY LINE AND MAINTAINED BY CONTRACTOR UNTIL CONSTRUCTION ACTIVITIES ARE COMPLETED. RMOW WILL INSTALL A PLUG IN THE SERVICE IF CONSTRUCTION DEBRIS ENTERS MUNICIPAL SYSTEM.
3. REFER TO RMOW STANDARD DRAWING S1 FOR STANDARD MANHOLE CONSTRUCTION DETAILS.
4. REFER TO CONTRACT DRAWINGS AND SECTION 02725 FOR DETAILED SPECIFICATIONS.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
SANITARY INTERCEPT SUMP MANHOLE	
DRAWN BY: PB	DATE: APRIL 2003
SCALE: N.T.S.	DWG. NO.: S19



1. 19mmØ FORD CORP. STOP OR EQUAL WITH DOUBLE STRAP STAINLESS STEEL SADDLE.
2. 19mmØ FORD CORP. STOP OR EQUAL.
3. McAVITY STANDARD SERVICE BOX c/w RIB COVER & 14mmØ ROD OR EQUAL MUELLER/TROTAM.
4. FOR TRACER WIRE INSTALLATION: TRACE WIRE SHALL BE #12 AWG COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM 450LB BREAK LOAD, WITH MINIMUM 30MIL HDPE INSULATION THICKNESS.
5. TRACER WIRE TO BE GROUNDED TO SERVICE BOX USING HOSE CLAMP AND WRAPPED AS NOTED BELOW.
6. ADDITIONAL 300MM OF WIRE TO BE COILED AROUND THE TOP OF THE SERVICE BOX AND END OF WIRE IS TO BE CAPPED WITH MARETTE AND WRAPPED IN ELECTRICAL TAPE.



DETAIL 'A'
FOR DUPLEX LOT

- WHERE EXCAVATION IS IN ROCK, THE ROCK SHALL BE BLASTED, REMOVED AND ZONE REPLACED WITH COMPACTED GRAVEL BACKFILL FOR A MIN. DISTANCE OF 1.5m BEHIND PROPERTY LINE.
- ALL DUPLEX LOTS SHALL HAVE 2 SEPARATE 19mmØ WATER SERVICE CONNECTIONS.
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

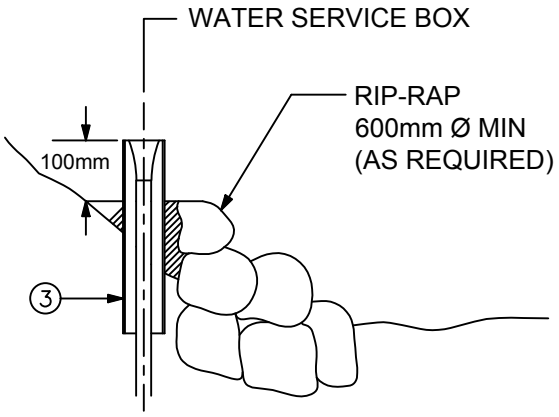
RESORT MUNICIPALITY of WHISTLER

STANDARD WATER SERVICE CONNECTION

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W2-A

CASE 1:

WATER SERVICE BOX IN
NON TRAVELLED AREA.

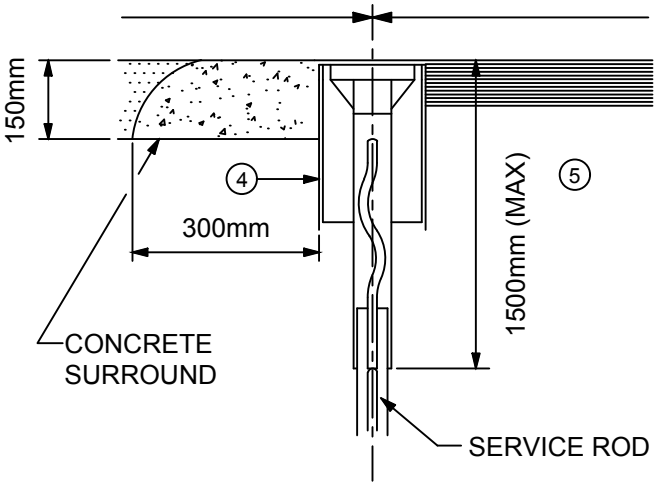


CASE 2:

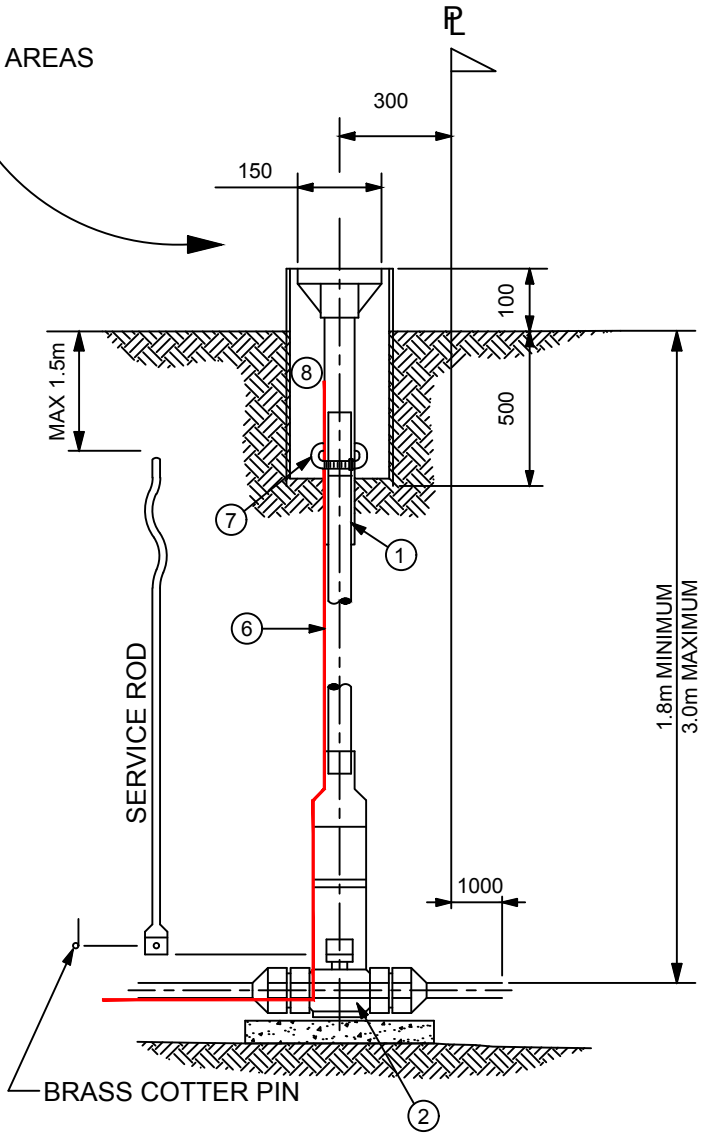
GRAVEL
DRIVEWAY

CASE 3:

ASPHALT/CONCRETE
DRIVEWAY



SERVICE BOX MUST BE A MINIMUM OF 100mm
ABOVE FINISHED GROUND IN NON TRAVELED AREAS



1. McAVITY STANDARD SERVICE BOX c/w RIB COVER & 14mmØ ROD OR EQUAL.
2. 19mmØ FORD CORP. STOP OR EQUAL.
3. 150mmØ PVC CASING PIPE 600mm IN LENGTH
4. NELSON BOX (FOR CASES 2 & 3)
5. WHERE EXTENSIONS ARE REQUIRED TO MUNICIPAL SERVICE BOX, SUCH EXTENTIONS SHALL BE NOT GREATER THAN 1.50m. SERVICE ROD EXTENTION SHALL BE 1.20m MAX IN LENGTH AND SHALL BE ASPHALT OR EPOXY COATED.
6. FOR TRACER WIRE INSTALLATION: TRACE WIRE SHALL BE #12 AWG COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM 450LB BREAK LOAD, WITH MINIMUM 30MIL HDPE INSULATION THICKNESS.
7. TRACER WIRE TO BE GROUNDED TO SERVICE BOX USING HOSE CLAMP AND WRAPPED AS NOTED BELOW.
8. ADDITIONAL 300MM OF WIRE TO BE COILED AROUND THE TOP OF THE SERVICE BOX AND END OF WIRE IS TO BE CAPPED WITH MARETTE AND WRAPPED IN ELECTRICAL TAPE.

NOTES:

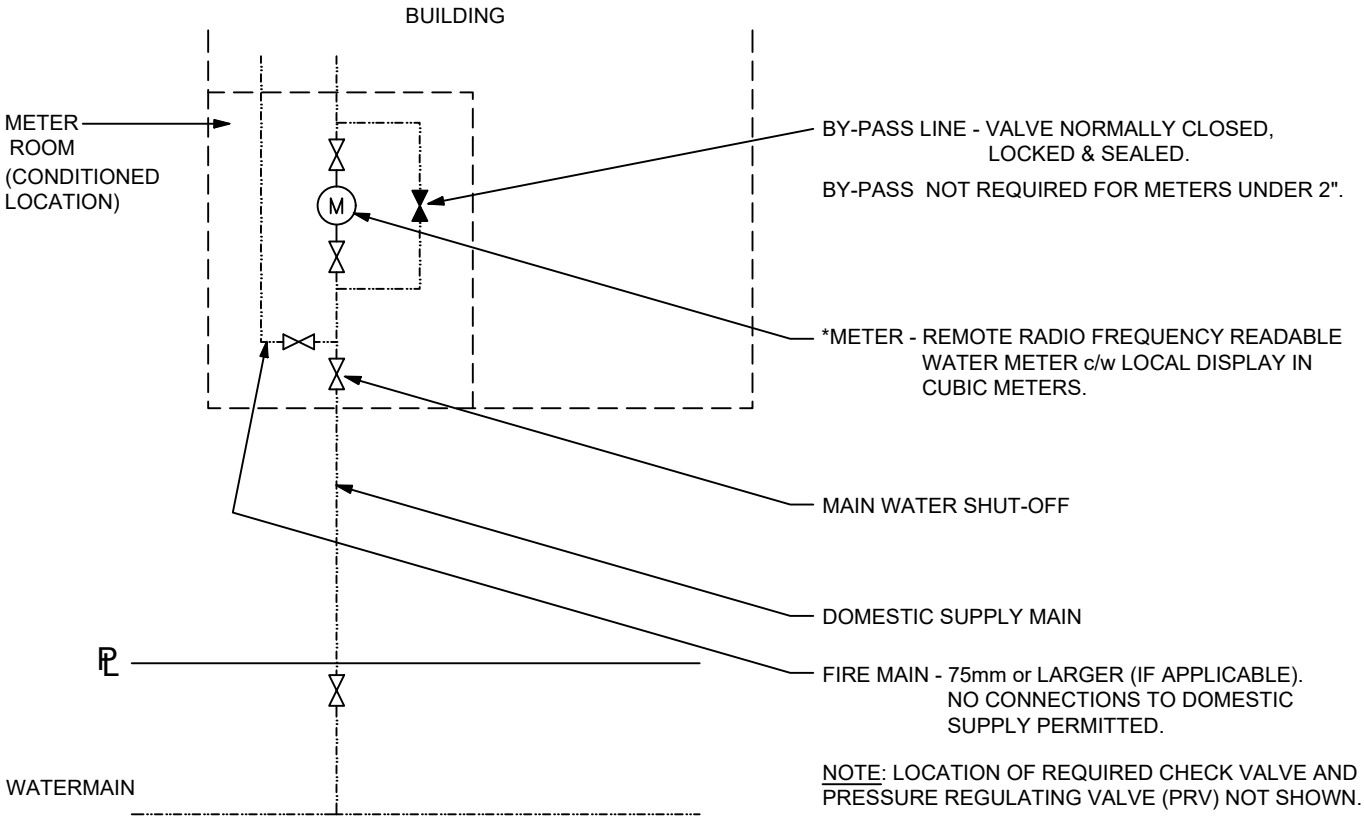
- ALL DUPLEX LOTS SHALL HAVE TWO SEPARATE 19mmØ WATER SERVICE CONNECTIONS.
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS "DENSO" PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

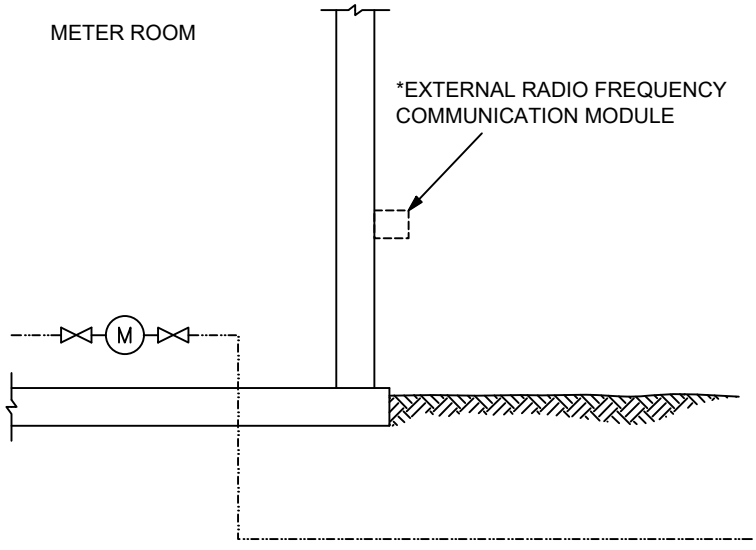
RESORT MUNICIPALITY of WHISTLER

RESIDENTIAL WATER SERVICE

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W2-B



PLAN



*METER SHALL CONFORM TO BYLAW 2274 SCHEDULE C REQUIREMENTS.

NOTES:

- METERS SHALL BE INSTALLED IN ACCORDANCE WITH A.W.W.A. C700 SPEC. IN A PROTECTED FROST FREE LOCATION.
- METERS TO BE SUPPLIED BY THE OWNER TO THE MUNICIPALITY AND REMAIN THE PROPERTY OF THE MUNICIPALITY.
- METERS TO BE ACCESSIBLE BY MUNICIPAL PERSONNEL FOR INSPECTION AND MAINTENANCE.

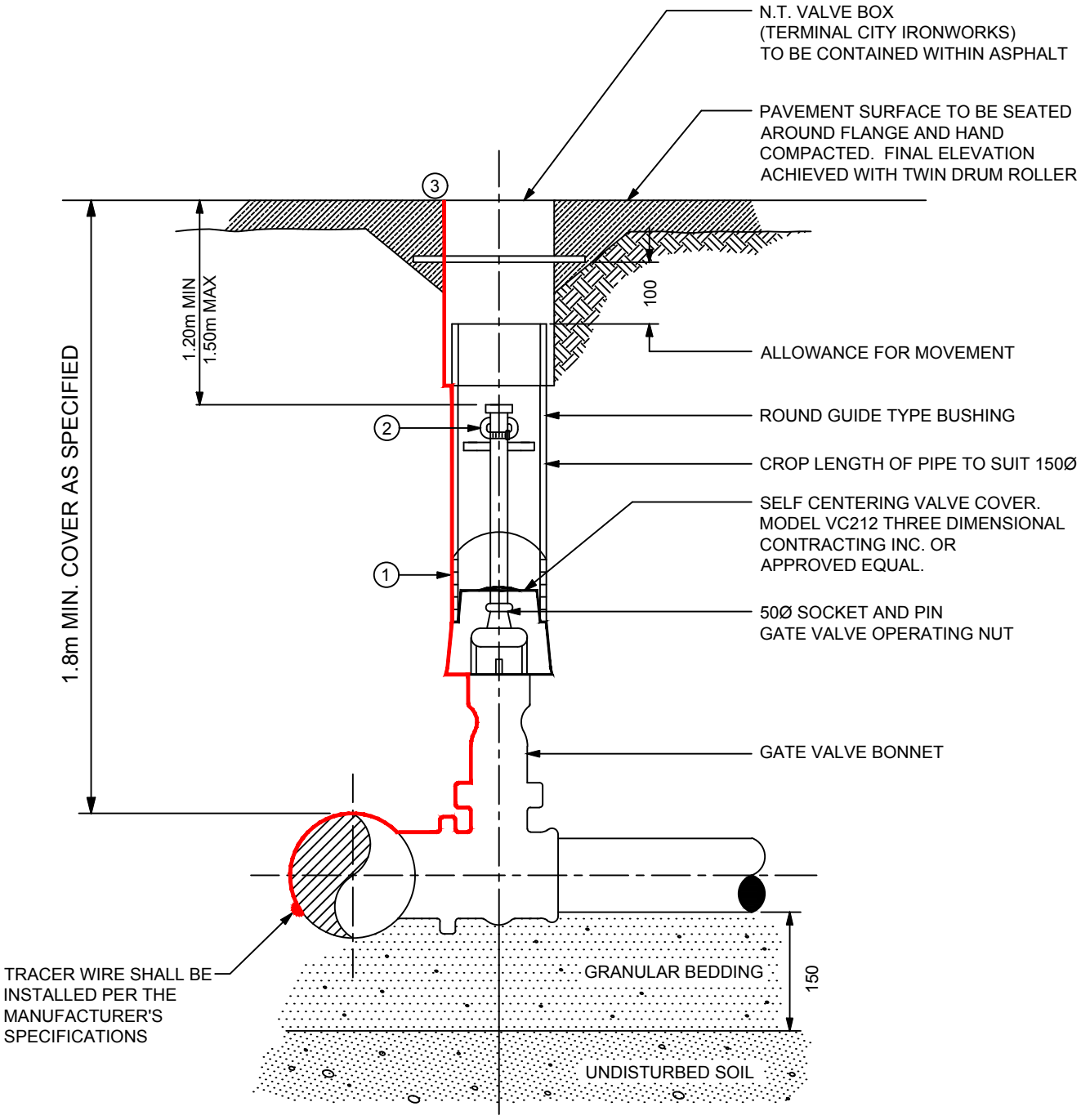
PROFILE

WHISTLER

RESORT MUNICIPALITY of WHISTLER

STANDARD for METERED CONNECTIONS

DRAWN BY: BL	DATE: JUNE 2020
SCALE: N.T.S.	DWG. NO.: W2-C



1. FOR TRACER WIRE INSTALLATION: TRACE WIRE SHALL BE #12 AWG COPPER CLAD STEEL, HIGH STRENGTH WITH MINIMUM 450LB BREAK LOAD, WITH MINIMUM 30MIL HDPE INSULATION THICKNESS.
2. RACER WIRE TO BE GROUNDED TO NELSON BOX USING HOSE CLAMP AND WRAPPED AS NOTED BELOW.
3. ADDITIONAL 300MM OF WIRE TO BE COILED AROUND THE TOP OF THE SERVICE BOX AND END OF WIRE IS TO BE CAPPED WITH MARETTE AND WRAPPED IN ELECTRICAL TAPE.

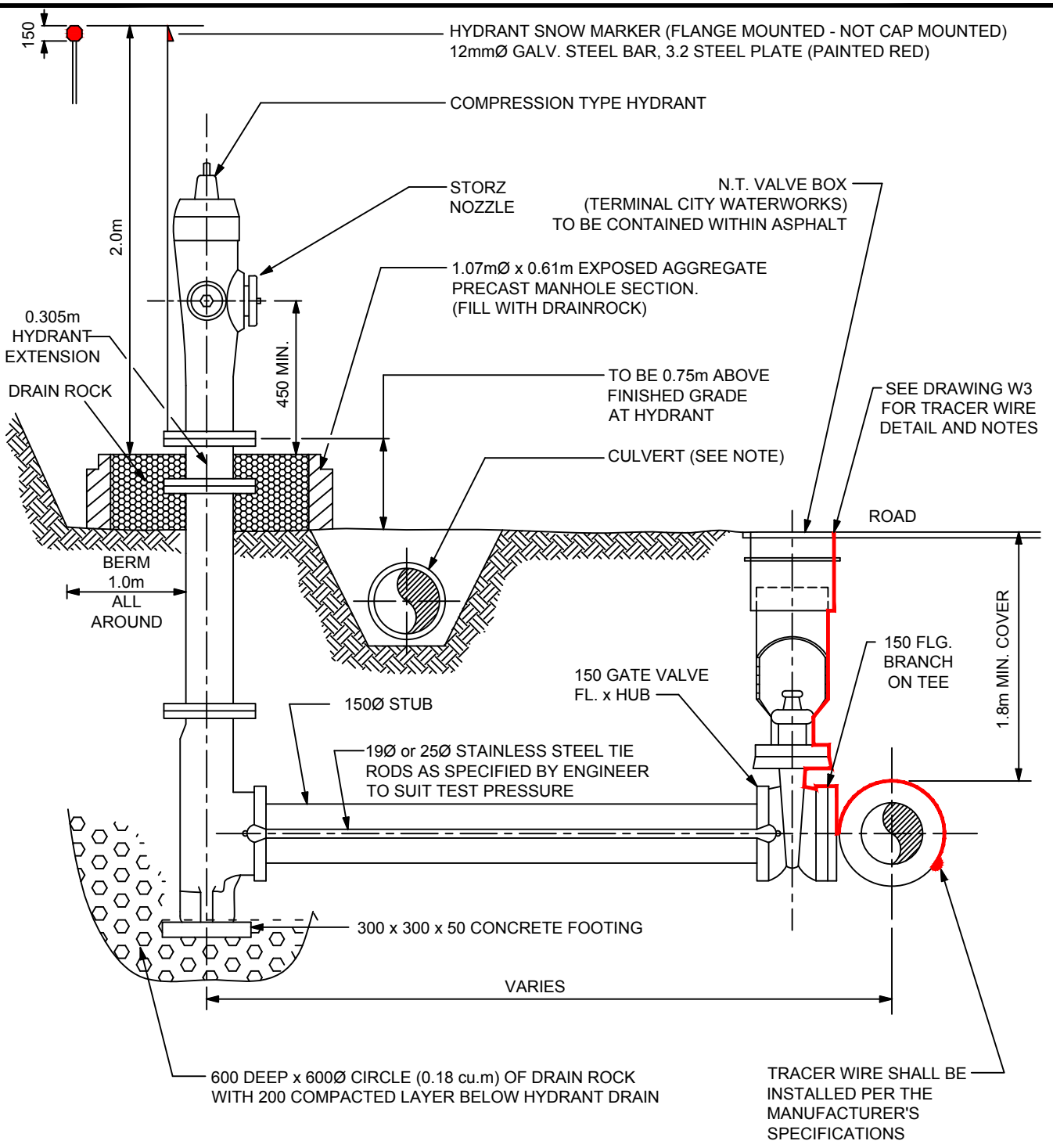
NOTE:
APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

VALVE BOX ASSEMBLY

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W3



NOTES:

- CULVERT TO BE SIZED TO CARRY DITCH DESIGNED FLOWS. LENGTH 2.0m C/W CONCRETE HEADWALLS
- COMPACT BEDDING TO 95% MODIFIED PROCTOR
- FOR INSTALLATION OF VALVE BOX SEE RMOW STANDARD DWG W3
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS "DENSO" PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

APPROVED HYDRANTS:

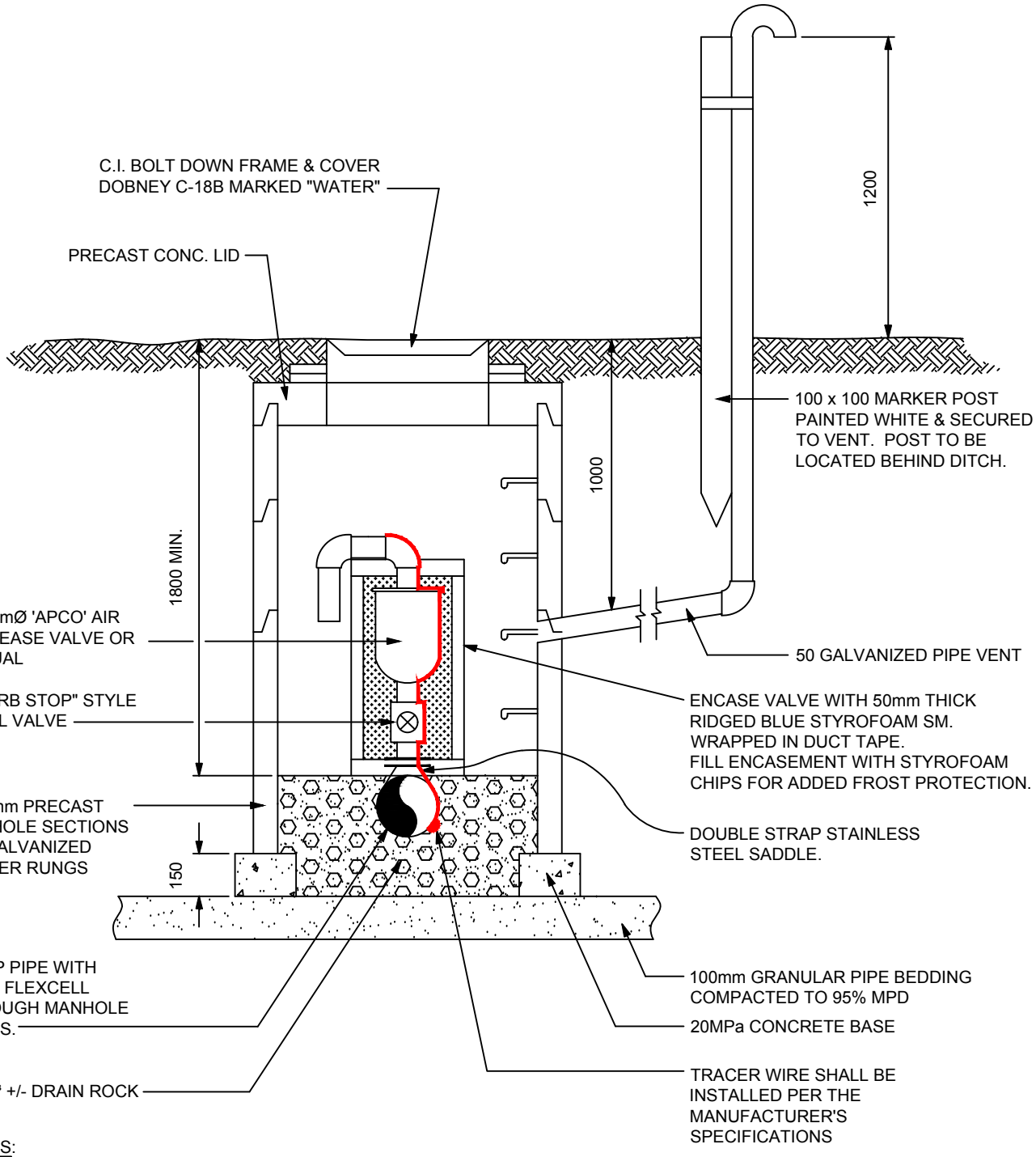
- T.C.I.W. C-71P EXTENDED BODY COMPRESSION TYPE HYDRANT
- CANADA VALVE "CENTURY"
- CLOW CANADA "BRIGADIER M93"

WHISTLER

RESORT MUNICIPALITY of WHISTLER

STANDARD HYDRANT ASSEMBLY

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W4



NOTES:

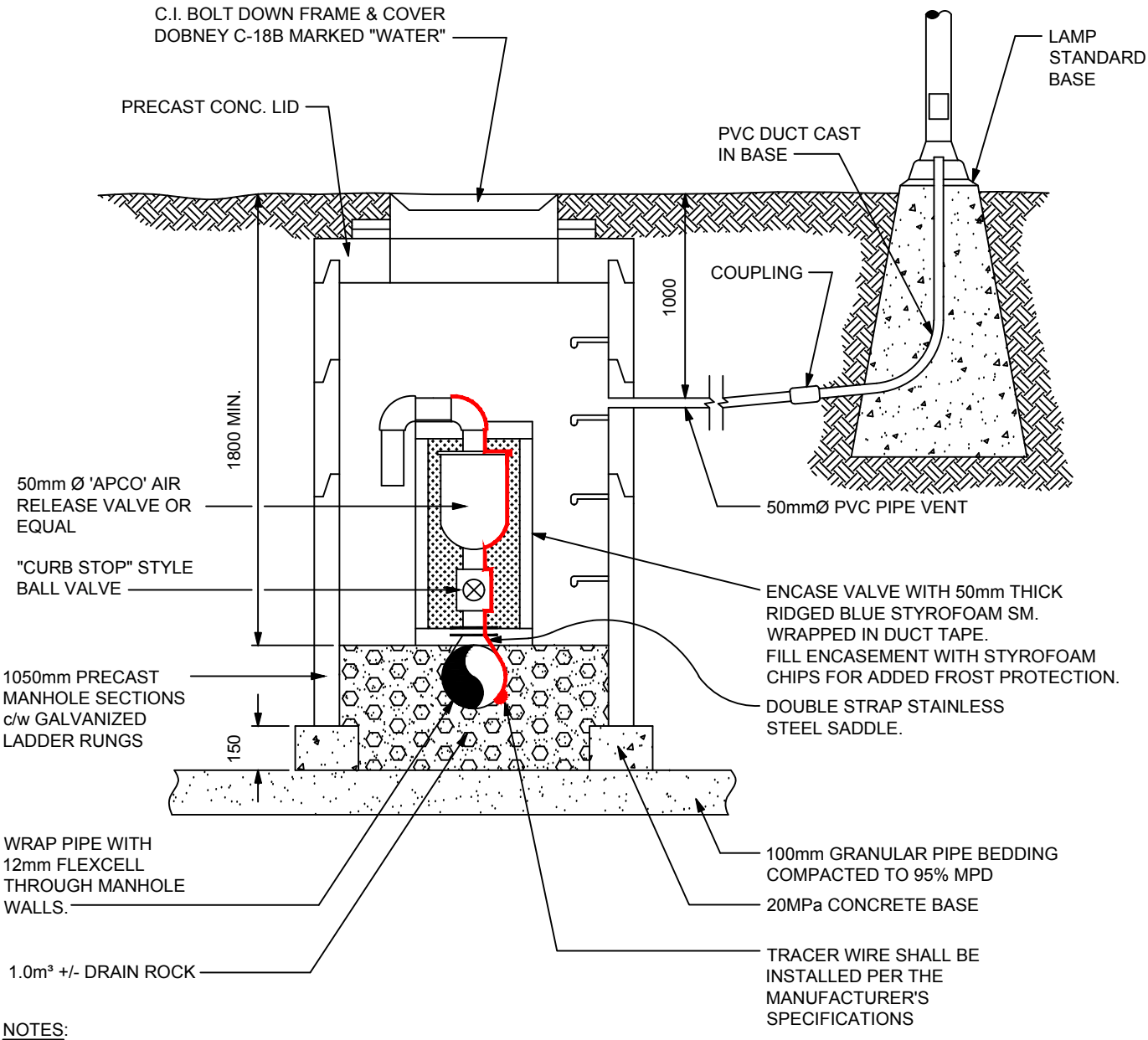
- ALL "WATER CONTACT" FITTINGS TO BE BRASS OR OTHER APPROVED MATERIAL.
- NO BLACK IRON OR GALVANIZED PIPE OR FITTINGS.
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

AIR RELIEF STATION

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W6-A



NOTES:

- ALL "WATER CONTACT" FITTINGS TO BE BRASS OR OTHER APPROVED MATERIAL.
- NO BLACK IRON OR GALVANIZED PIPE OR FITTINGS.
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

AIR RELIEF STATION - SPECIAL CASE

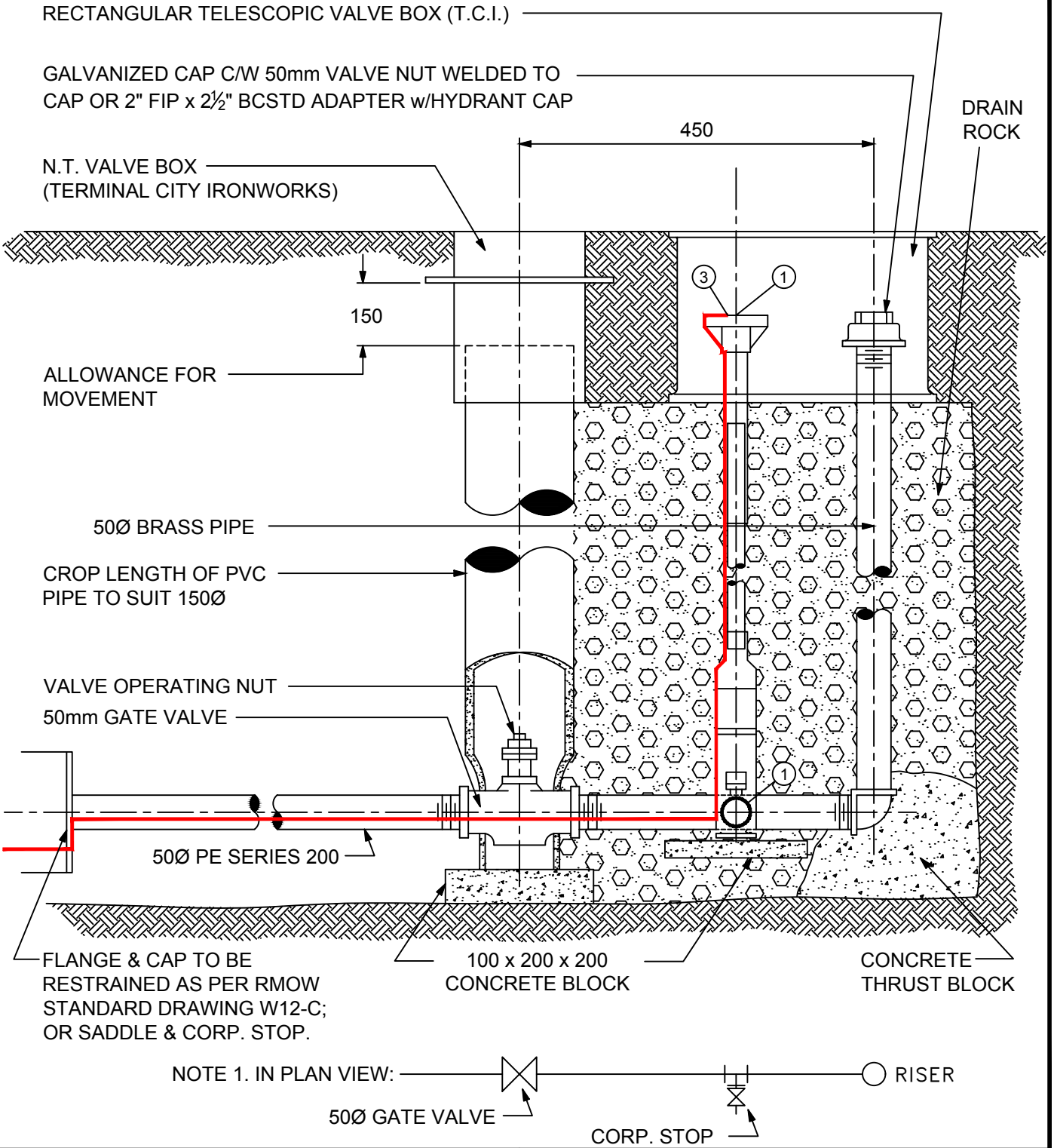
DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W6-B

NOTES:

1. CORPORATION STOP TEED INTO BLOW OFF ASSEMBLY TO PROVIDE DRAINAGE (PLAN VIEW SHOWN AT BOTTOM OF PAGE)

2. APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS "DENSO" PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

3. SEE DRAWING W2b FOR TRACER WIRE DETAIL AND NOTES.

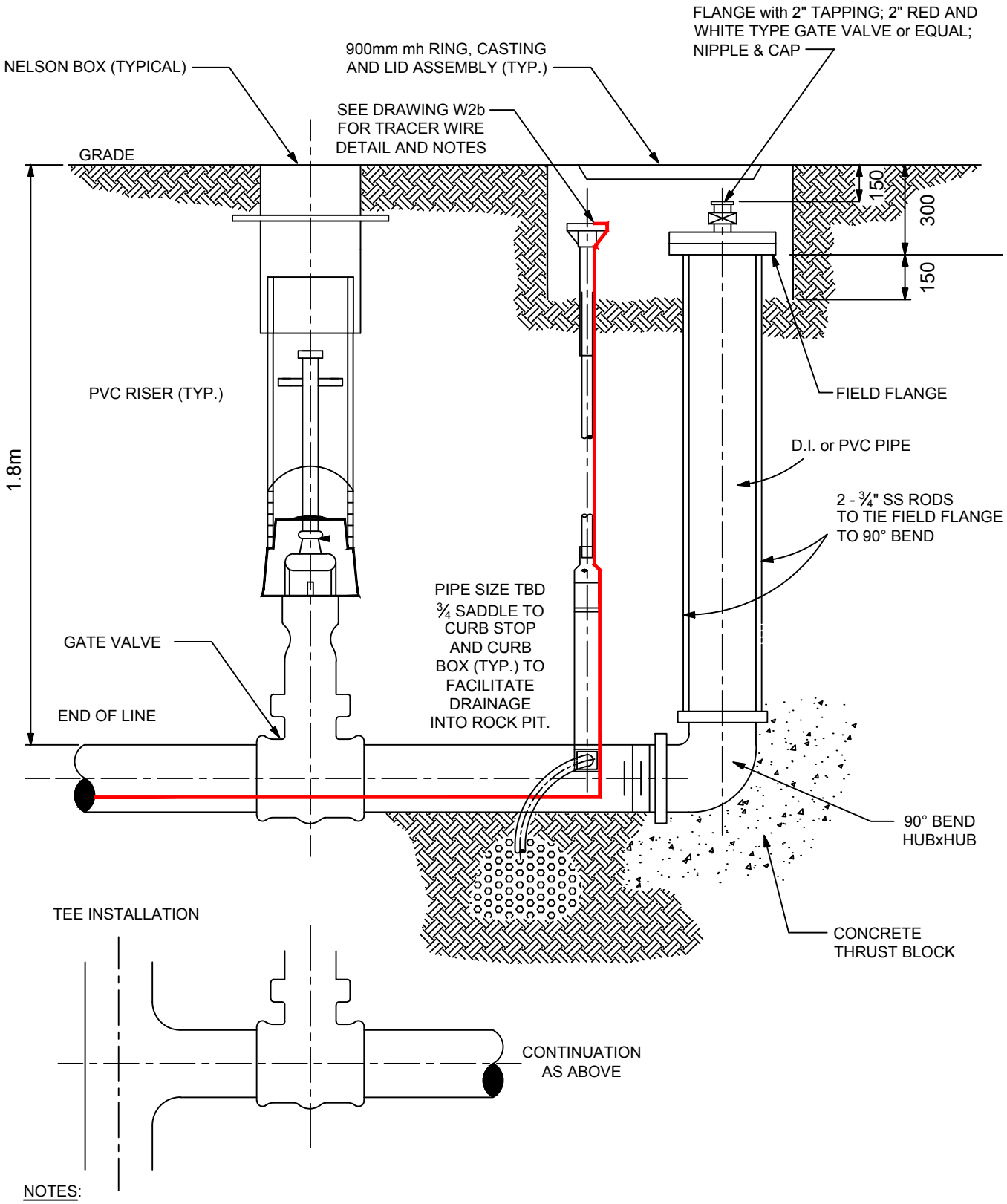


WHISTLER

RESORT MUNICIPALITY of WHISTLER

STANDARD BLOW OFF ASSEMBLY

DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W8



NOTES:

- MATCH ALL FITTINGS TO FULL MAINLINE SIZE.

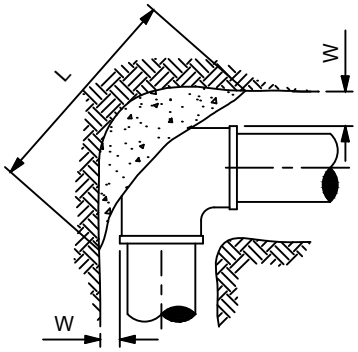
- APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

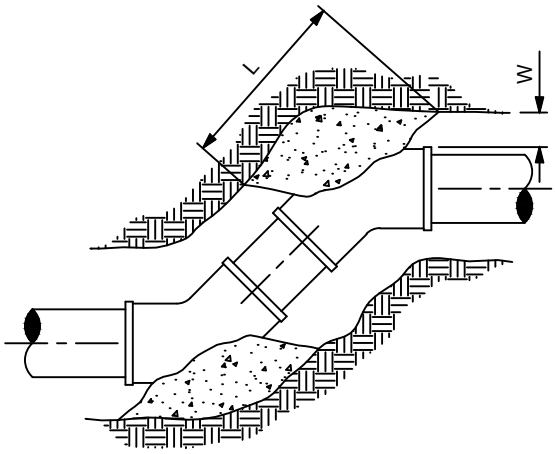
RESORT MUNICIPALITY of WHISTLER

PIGGING PORT

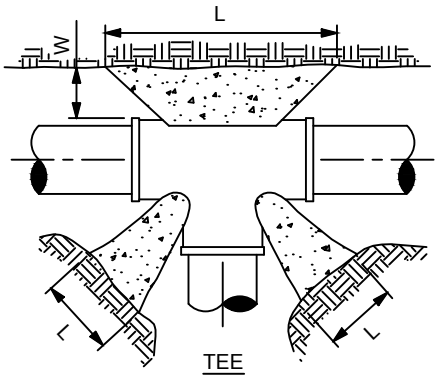
DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W11



HORIZONTAL 90° BEND



HORIZONTAL 45° BEND



TEE

TABLE 1. MINIMUM THRUST AREAS

NOTE: ALL DIMENSIONS IN MILLIMETERS *DIMENSIONS APPLY TO THE LARGER DIAMETER OF FITTING

MINIMUM THRUST AREAS FOR FITTINGS AT 150 psi PRESSURE AND FOR SOILS WITH MINIMUM BEARING OF 9.75 t/m² (NOT TO BE USED FOR SOFT CLAY, MUCK, PEAT, etc.).

TYPE OF FITTING	FITTING SIZE	OUTSIDE OF FITTING TO BEARING FACE	RECESS IN TRENCH WALL	LENGTH	HEIGHT	TYPE OF FITTING	FITTING SIZE	OUTSIDE OF FITTING TO BEARING FACE	RECESS IN TRENCH WALL	LENGTH	HEIGHT
	D	W	W¹	L	H		D	W	W¹	L	H
90° BEND	150	300		900	450	CROSS	150	300		600	450
	200	350		1050	600		200	350		750	600
	250	375		1450	750		250	375		1000	750
	300	400		1650	900		300	400		1200	900
45° BEND	150	300		450	450	45° WYE	150	300	300	450	450
	200	350		600	600		200	350	400	600	600
	250	375		750	750		250	375	500	750	750
	300	400		900	900		300	400	600	900	900
22½° BEND	150	300		450	225	REDUCER	150	300	150	450	450
	200	350		600	300		200	350	200	600	600
	250	375		825	450		250	375	250	750	750
	300	400		900	450		300	400	300	900	900
TEE	150	300		600	450	CAPS AND PLUGS (IF NOT BOLTED)	150	300		450	450
	200	350		750	600		200	350		600	600
	250	375		1000	750		250	375		750	750
	300	400		1200	900		300	400		900	900

NOTE:
1. REFER TO CONTRACT DRAWINGS FOR SPECIFIED BEARING AREAS OF THRUST BLOCKS AND/OR SPECIFIC REQUIREMENTS NOT SHOWN ON THIS DRAWING.
2. PLACE 6 mil POLYETHYLENE ON INTERFACE BETWEEN CONCRETE AND FITTING.
3. PLACE 20 MPa CONCRETE AGAINST UNDISTURBED GROUND; KEEP CONCRETE CLEAR OF FITTING JOINTS.
4. SOILS AND CONDITIONS (WET) NOT MEETING MIN. BEARING OF 9.75 t/m² ARE TO BE REFERRED TO ENGINEER.

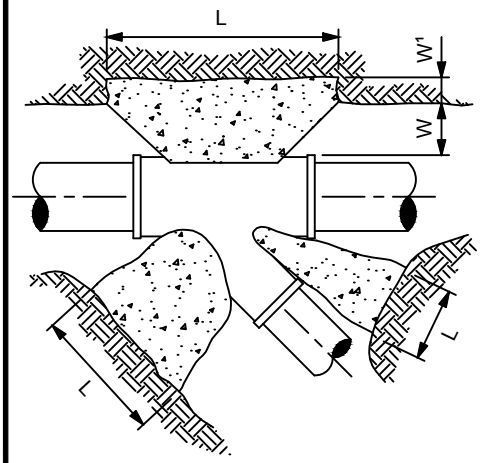
NOTE: *REFER TO DWG NO. W1-B FOR ADDITIONAL ARRANGEMENTS.

WHISTLER

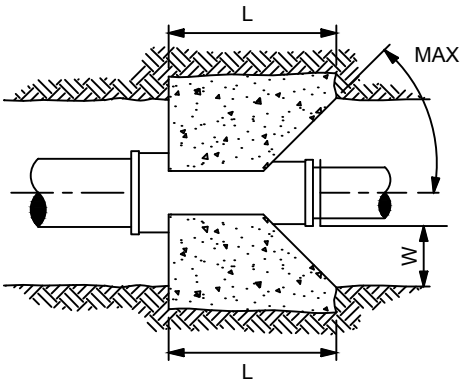
RESORT MUNICIPALITY of WHISTLER

THRUST BLOCK DETAILS

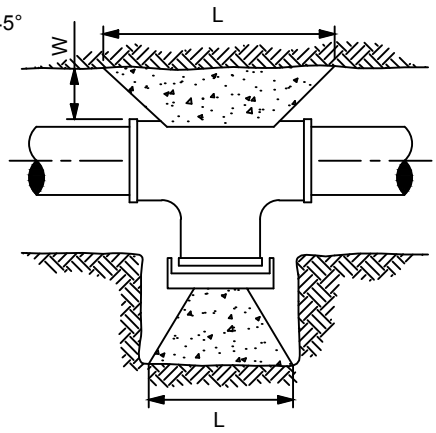
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: W12-A



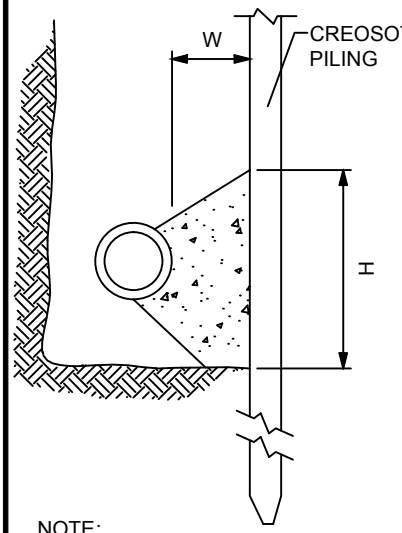
WYE



REDUCER OR LINE VALVE

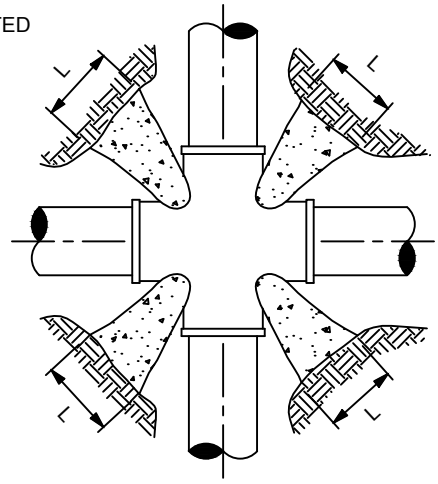


TEE WITH PLUG

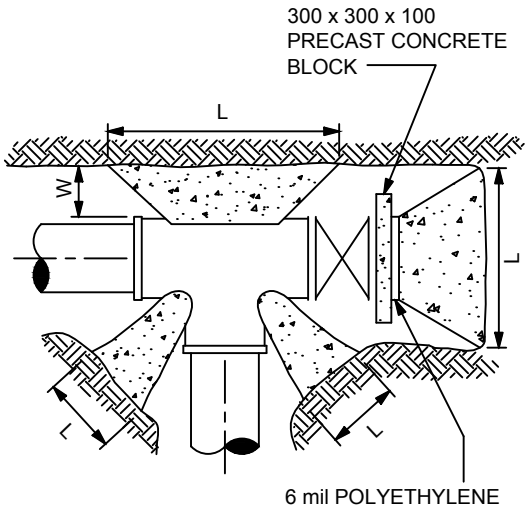


NOTE:

WHERE GROUND CANNOT BE EXCAVATED TO FREE STANDING UNDISTURBED SOIL, PLANK SHEET PILING SHALL BE DRIVEN TO PROVIDE UNDISTURBED THRUST AREA. PILING TO BE DRIVEN PRIOR TO EXCAVATING FOR THRUST BLOCK AND SHOULD BE USED ONLY BELOW THE PERMANENT WATER TABLE.



CROSS



TEE WITH VALVE

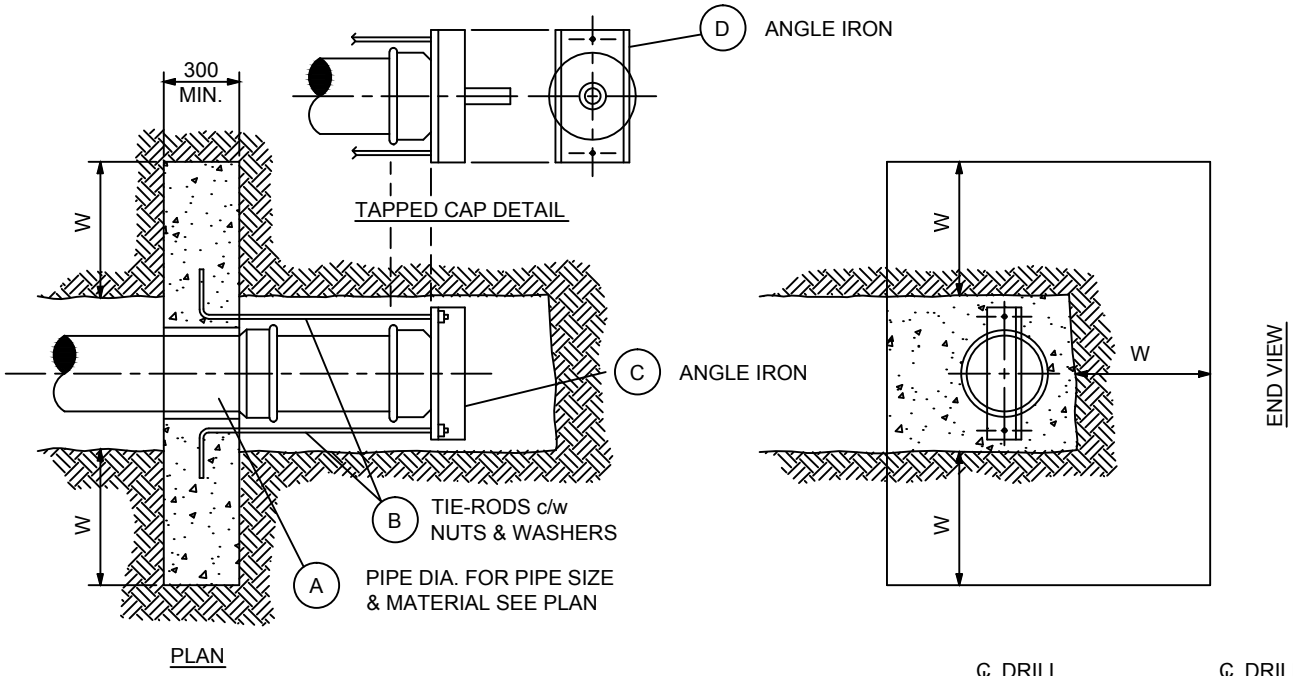
NOTE:

REFER TO TABLE ON RMOW STANDARD DWG. NO. W12-A FOR MINIMUM THRUST AREAS.

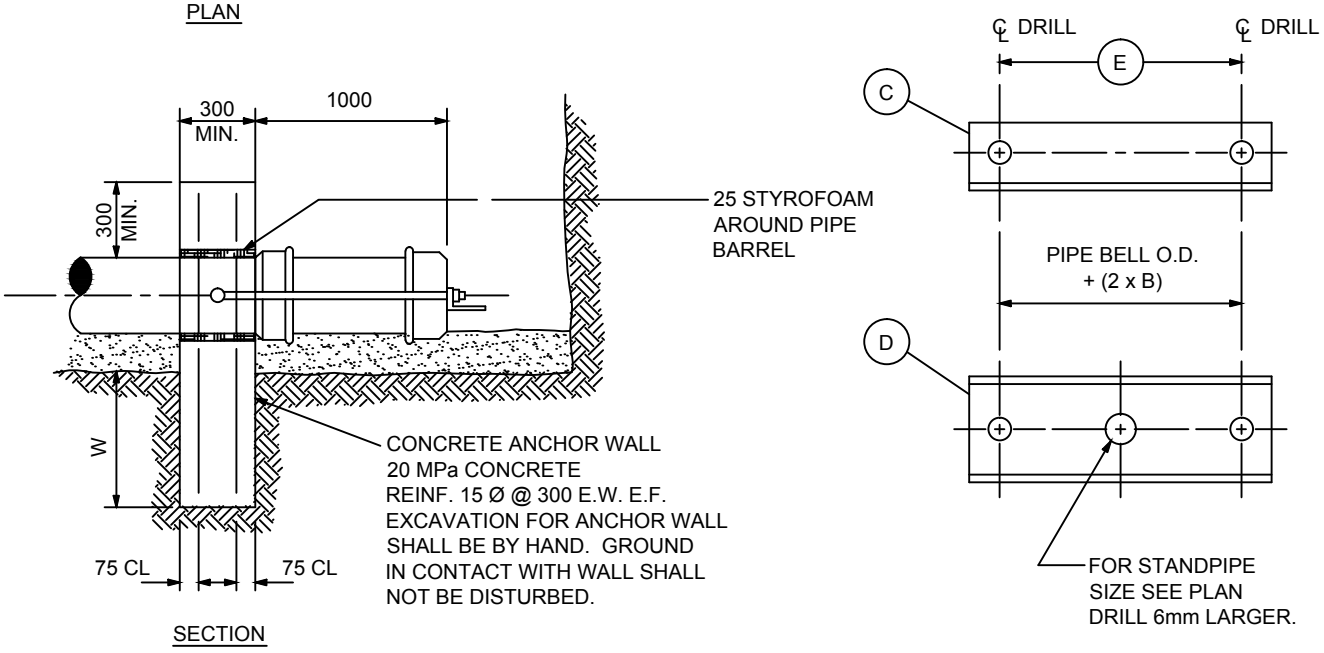
ENGINEER TO PROVIDE DIMENSIONS ON VERTICAL THRUSTS.

WHISTLER

RESORT MUNICIPALITY of WHISTLER	
THRUST BLOCK DETAILS	
DRAWN BY: BL	DATE: JANUARY 2003
SCALE: N.T.S.	DWG. NO.: W12-B



PLAN



SECTION

DIMENSION SCHEDULE

A PIPE DIA.	B TIE-RODS	C ANGLE IRON	D CHANNEL IRON	E	W
150	20Ø	75 x 75 x 8 x 350 LG.	C 150 x 19 x 350 LG.	25Ø	300
200	30Ø	90 x 90 x 10 x 450 LG.	C 200 x 21 x 450 LG.	35Ø	400
250	45Ø	125 x 125 x 13 x 560 LG.	C 230 x 30 x 560 LG.	50Ø	500
300	55Ø	125x 125x 16x 660LG.	C 310 x 37 x 660 LG.	60Ø	600

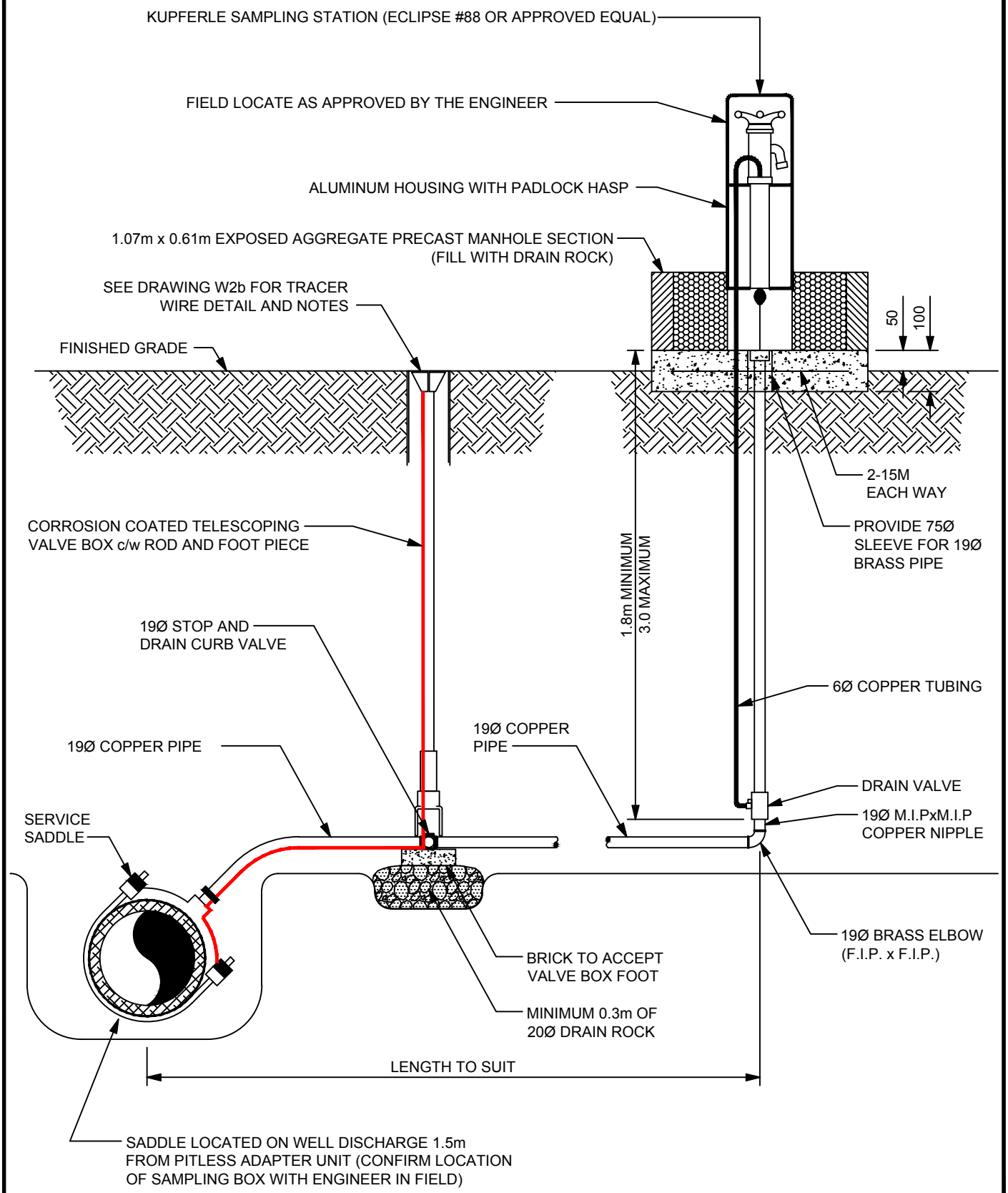
NOTE:
APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

STANDARD CAP THRUST ANCHOR

DRAWN BY: BL	DATE: FEBRUARY 2016
SCALE: N.T.S.	DWG. NO.: W12-C



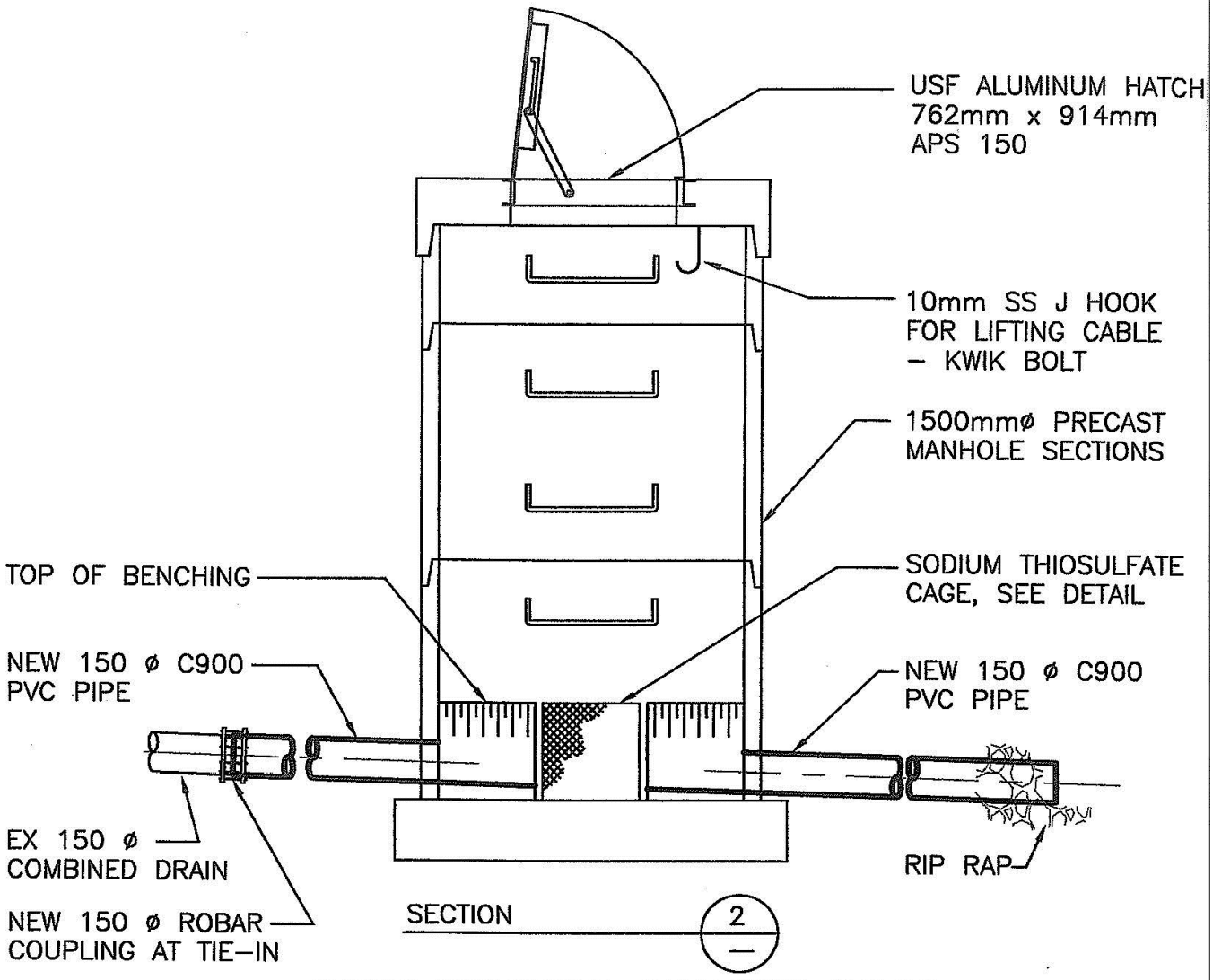
NOTE:
APPLY AN APPROVED CORROSION PROTECTION SYSTEM TO ALL BURIED FERROUS FITTINGS, FLANGES, FASTENERS, ETC. SUCH AS “DENSO” PETROLATUM TAPE SYSTEM; INCLUDING PASTE, PROFILING MASTIC AND TAPE AS PER MANUFACTURER'S INSTRUCTIONS, OTHER CORROSION PROTECTION SYSTEMS MAY BE USED UPON APPROVAL OF THE RMOW.

WHISTLER

RESORT MUNICIPALITY of WHISTLER

WATER SAMPLING STATION

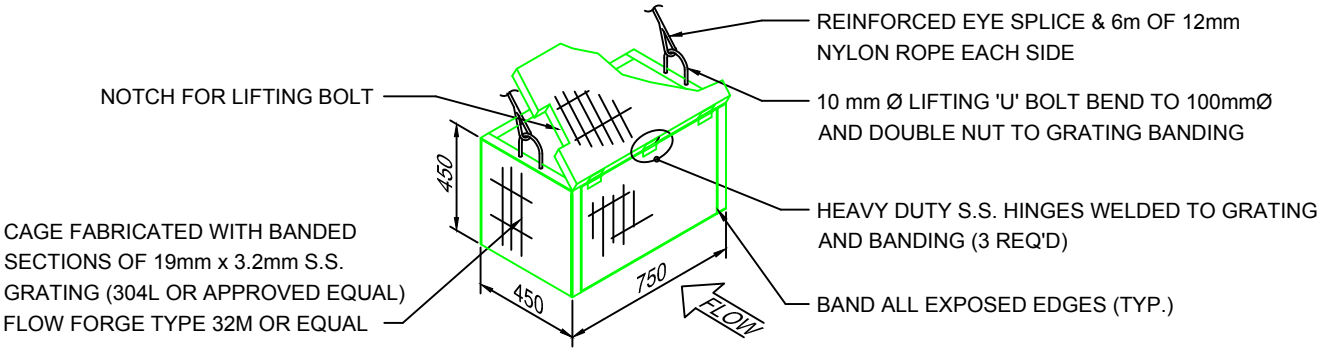
DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W13



DECHLORINATION CHAMBER DETAIL

SCALE: N.T.S.

SODIUM THIOSULFATE CAGE DETAIL



WHISTLER

RESORT MUNICIPALITY of WHISTLER	
DECHLORINATION CHAMBER	
DRAWN BY: BL	DATE: JANUARY 2018
SCALE: N.T.S.	DWG. NO.: W14