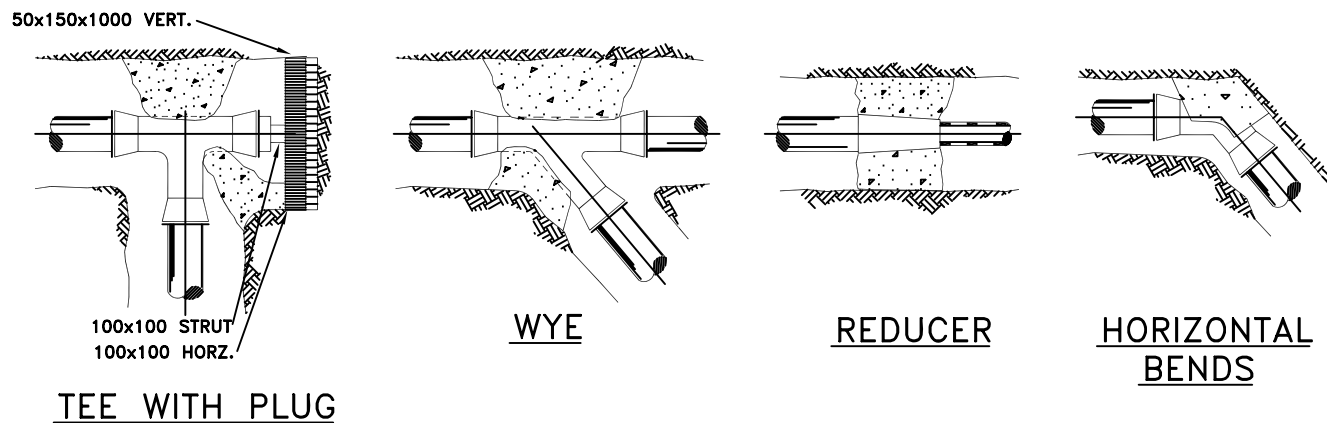
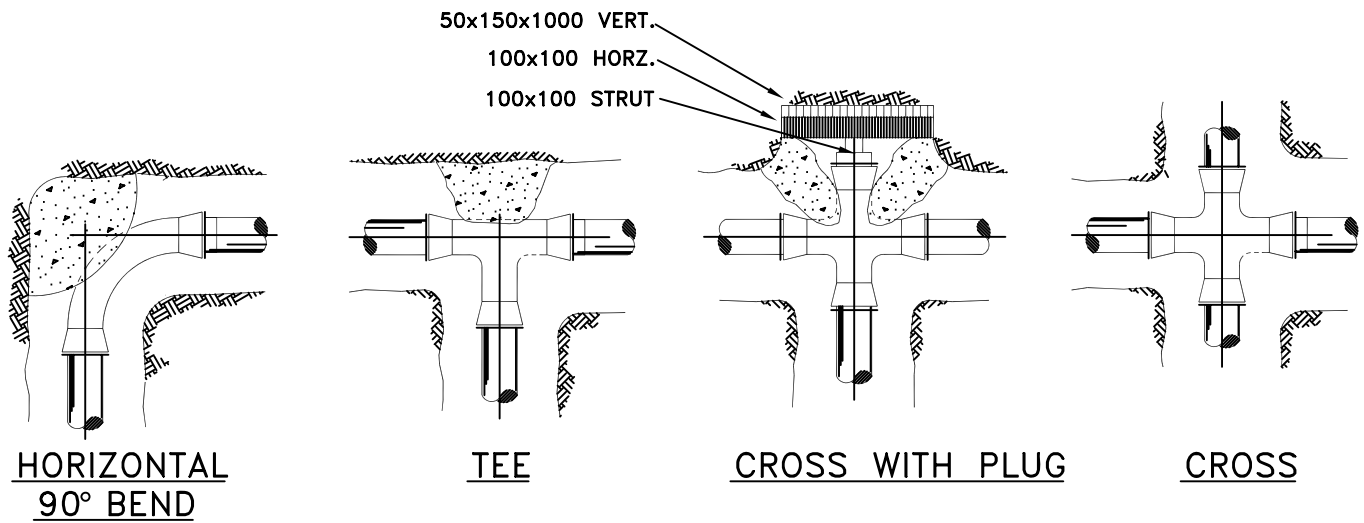


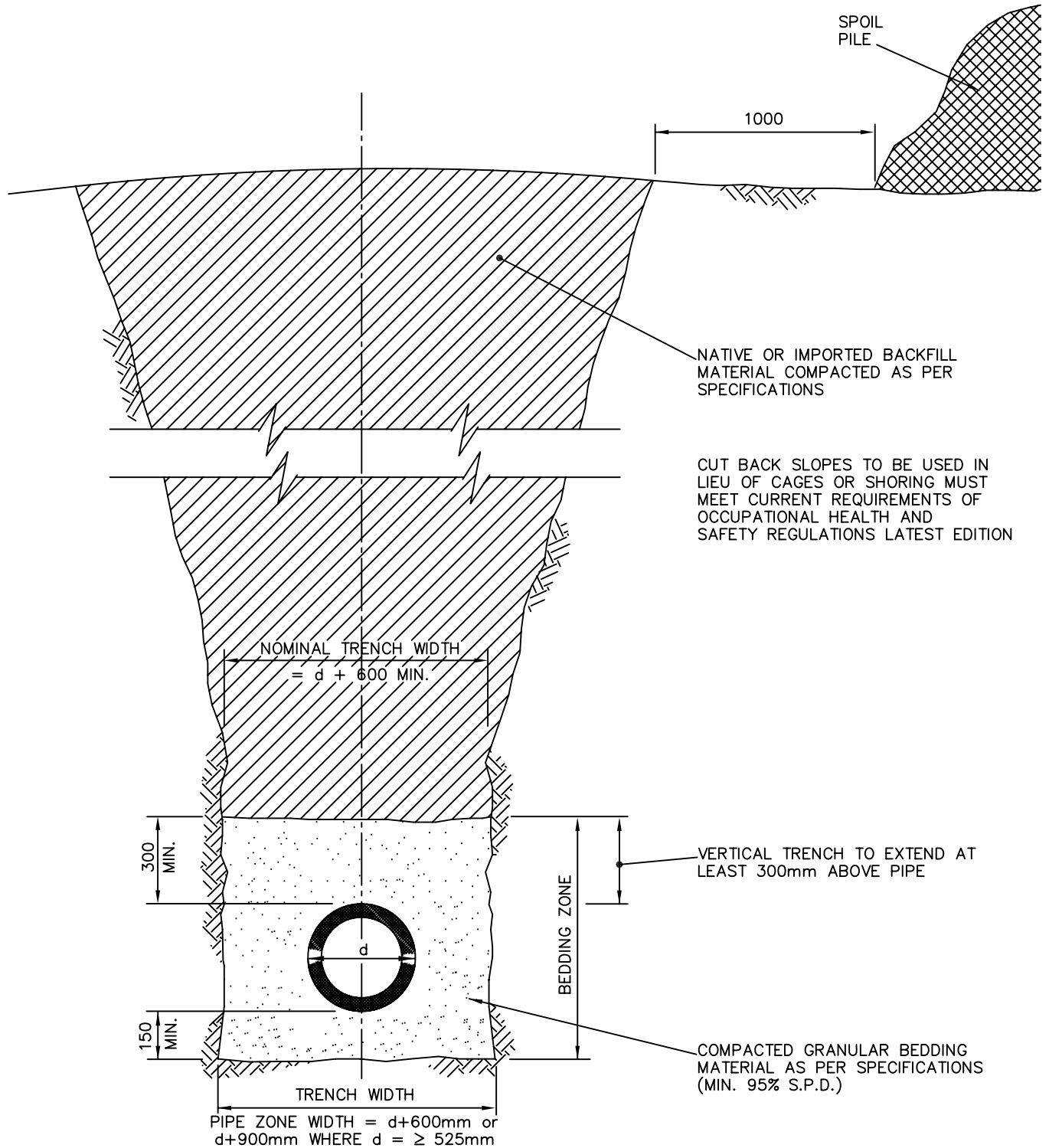


NOTE: THE REQUIRED BEARING AREA SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT THE SOIL CONDITIONS.

NOTE:

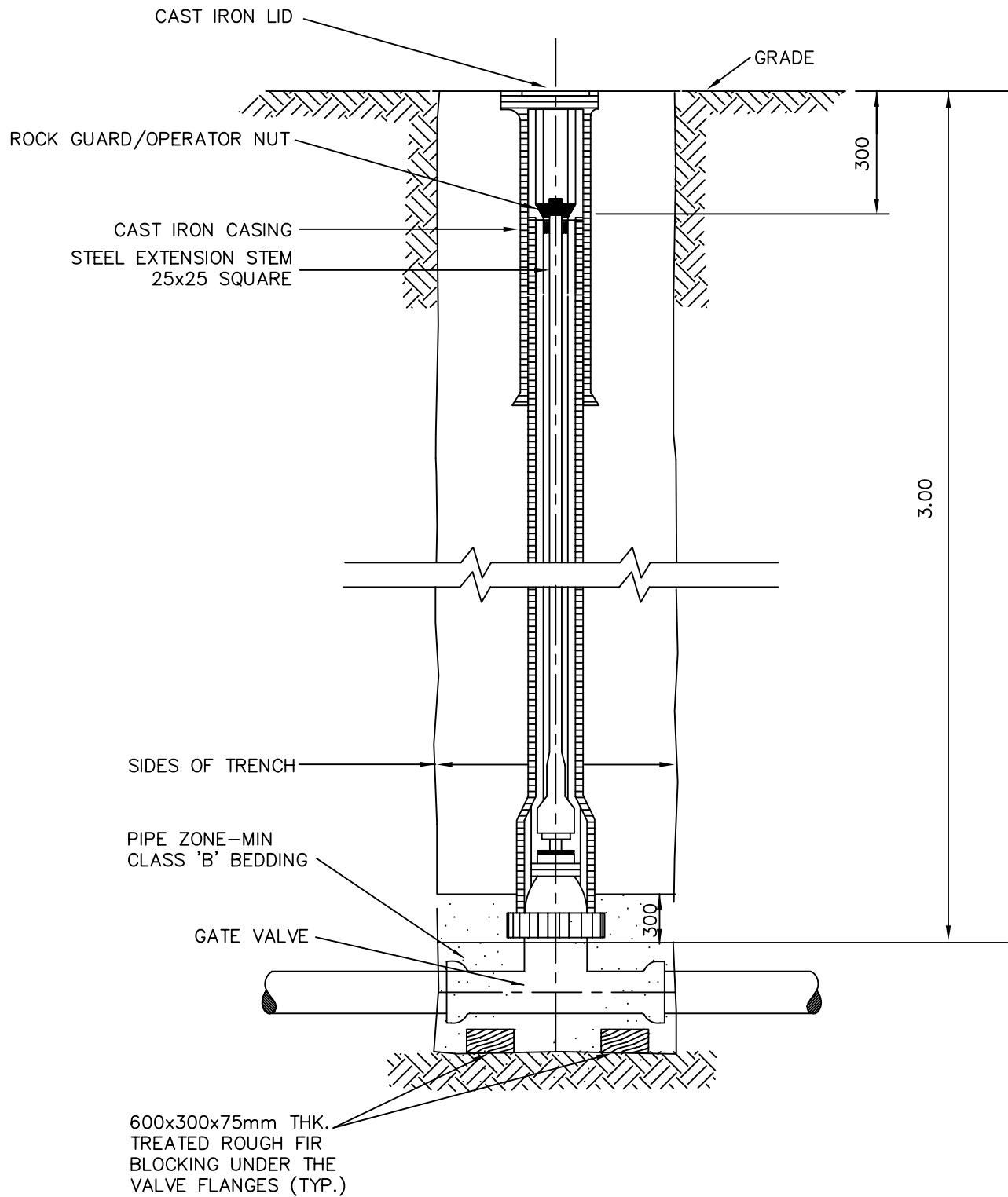
1. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES
2. ALL WOOD PRODUCTS TO BE TREATED
3. ALL FITTINGS TO BE WRAPPED IN POLY PRIOR TO POURING CONCRETE
4. ALL CONCRETE TO BE MIN. 25MPa @ 28 DAYS.

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:		
			N.T.S.	THRUST BLOCK DETAILS	DRAWING NO.
1	JAN 31, 2007	REVISED DRAWING NUMBER			
NO.	DATE	REVISION			

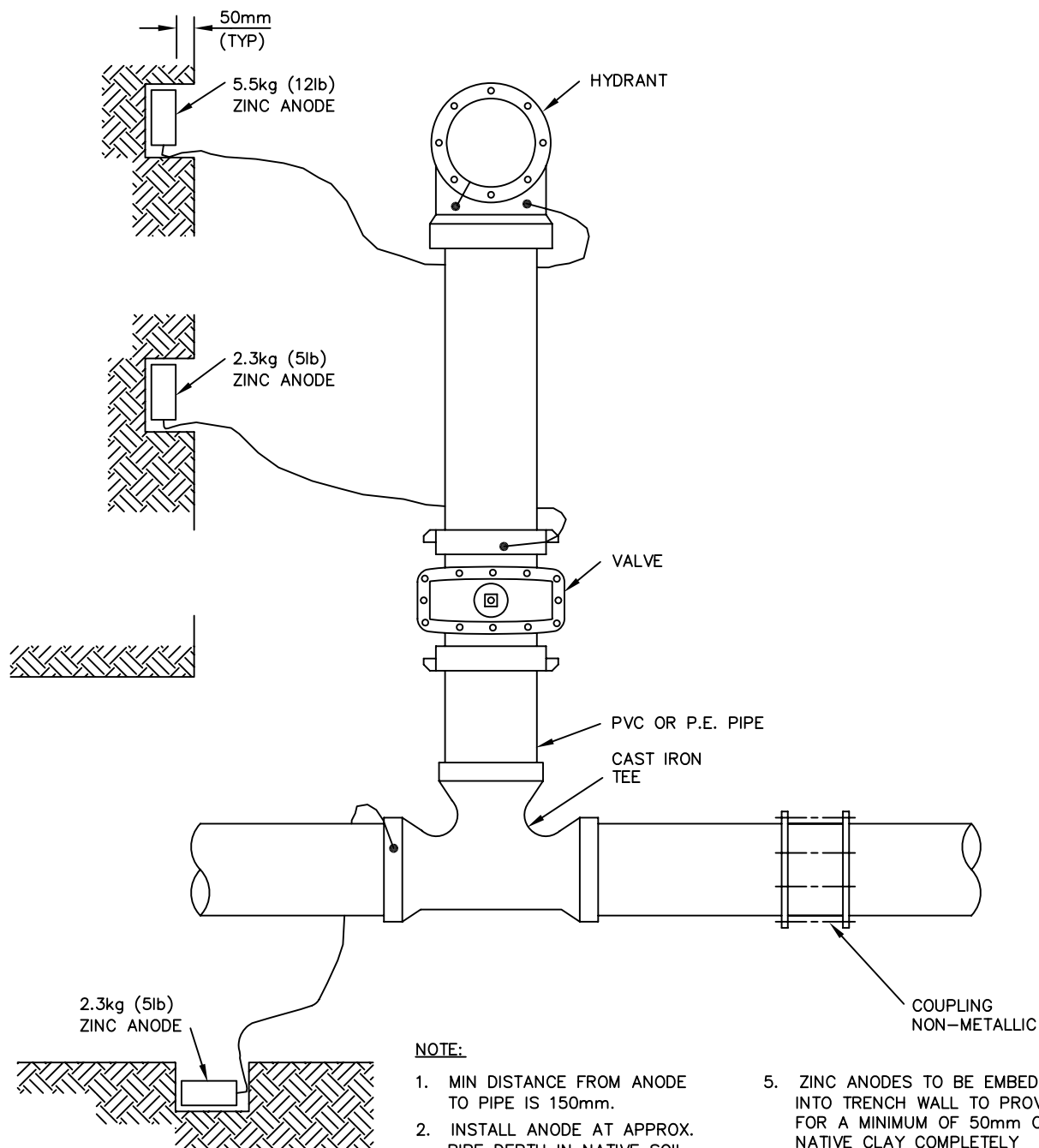


- NOTES: 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. d = PIPE OUTSIDE DIAMETER

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	TRENCH & CLASS "B"	DRAWING NO.
			N.T.S.	BEDDING DETAIL	1.02
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



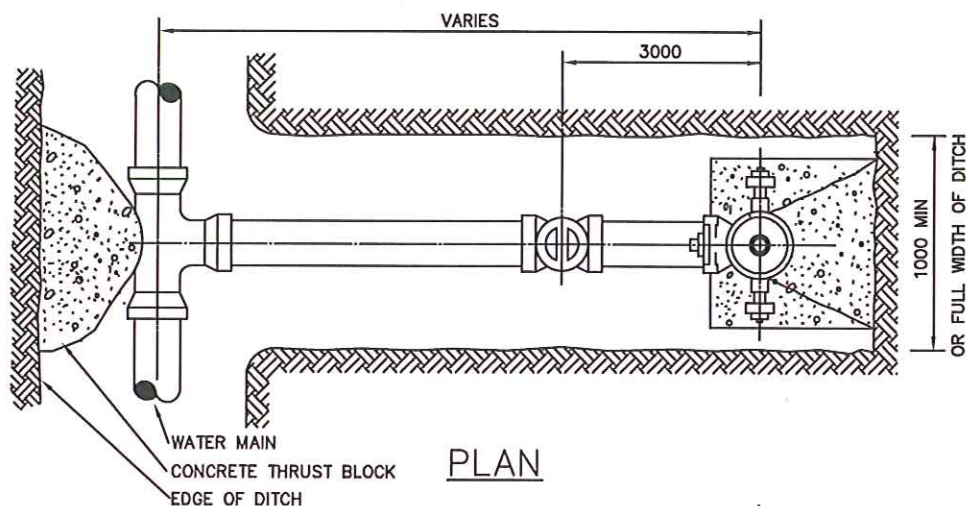
			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	VALVE BOX DETAIL	DRAWING NO.
			N.T.S.		1.03
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



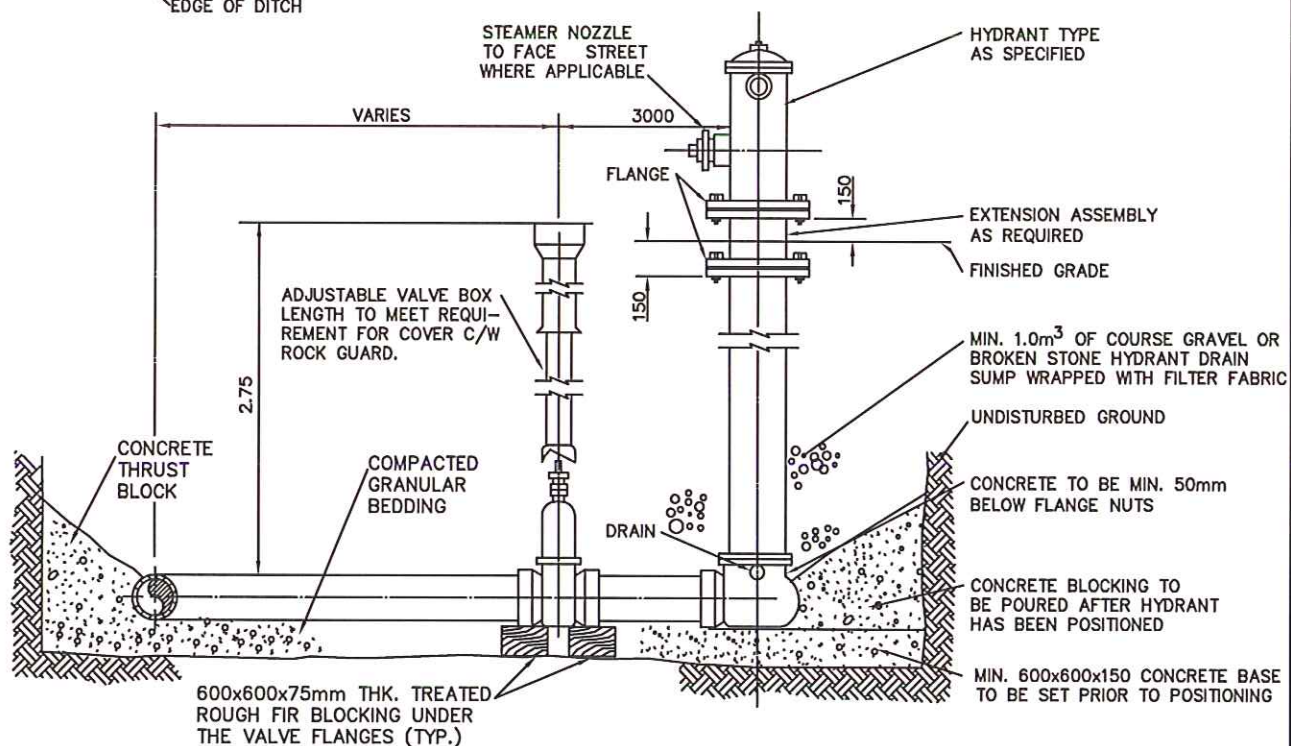
NOTE:

1. MIN DISTANCE FROM ANODE TO PIPE IS 150mm.
2. INSTALL ANODE AT APPROX. PIPE DEPTH IN NATIVE SOIL.
3. ALL ZINC ANODES ON FITTINGS AND VALVES ARE 2.3 kg (5lb).
4. ALL ZINC ANODES ON HYDRANTS ARE 5.5 kg (12lb).
5. ZINC ANODES TO BE EMBEDDED INTO TRENCH WALL TO PROVIDE FOR A MINIMUM OF 50mm OF NATIVE CLAY COMPLETELY SURROUNDING THE ANODE.
6. ANODES TO BE AT LEAST 300mm CLEAR OF THRUST BLOCK.

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:		
			N.T.S.	ANODE INSTALLATION AT VALVES, IRON FITTINGS AND HYDRANTS	DRAWING NO.
1	JAN 31, 2007	DRAWING NUMBER			1.04
NO.	DATE	REVISION			



PLAN

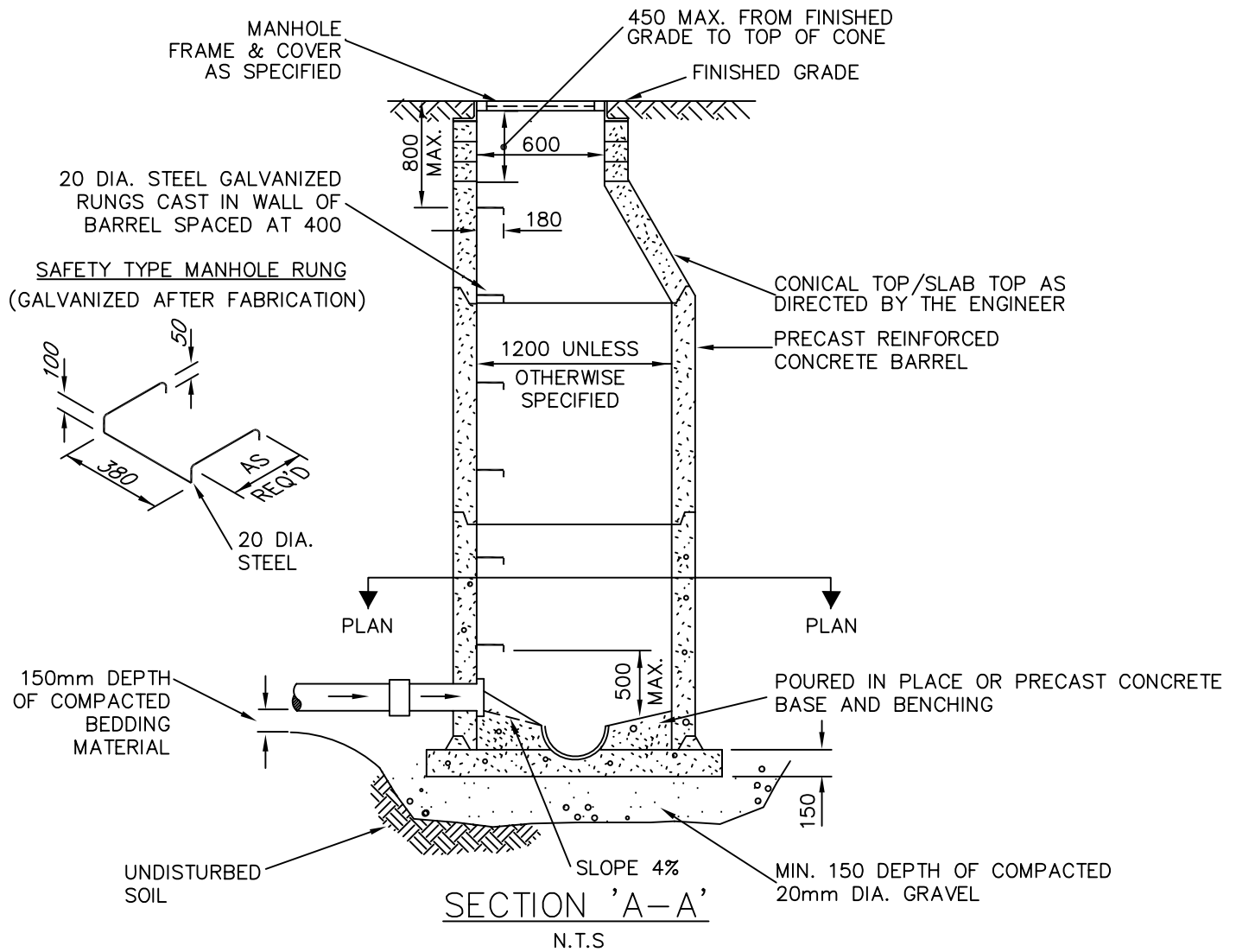


ELEVATION

NOTES:

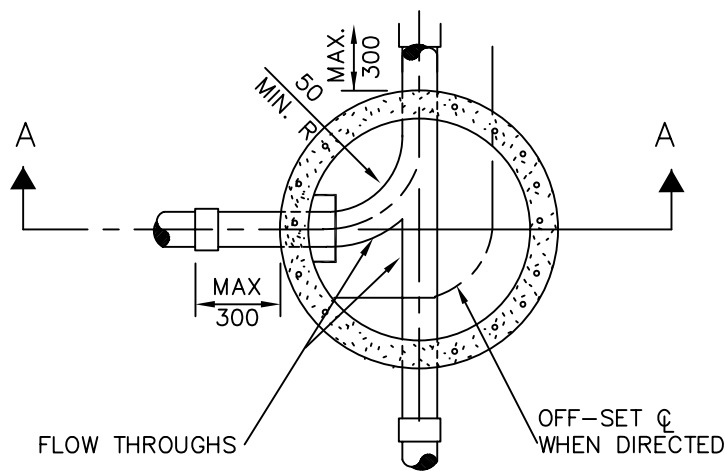
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL FITTINGS TO BE WRAPPED IN POLY PRIOR TO POURING CONCRETE.
3. CONCRETE TO BE 25 MPa @ 28 DAYS.
4. HYDRANTS SHALL BE COMPRESSION TYPE CONFORMING TO AWWA C502 COMPLETE WITH UNPLUGGED DRAINS, STAINLESS STEEL BOLTS AND ASPHALTIC COATED BURRIED HYDRANT COMPONENTS.
5. PLUG HYDRANT DRAIN HOLES IF GROUND WATER LEVEL IS HIGHER THAN HYDRANT BOTTOM FLANGE. MARK HYDRANT BARREL WITH THE WORDS "NO DRAIN" PAINTED IN WHITE LETTERS 50mm HIGH.

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	OFF-LINE HYDRANT DETAIL	DRAWING NO.
			N.T.S.		1.05
2	MAY 9, 2016	VALVE IN CARRIAGE WAY			
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

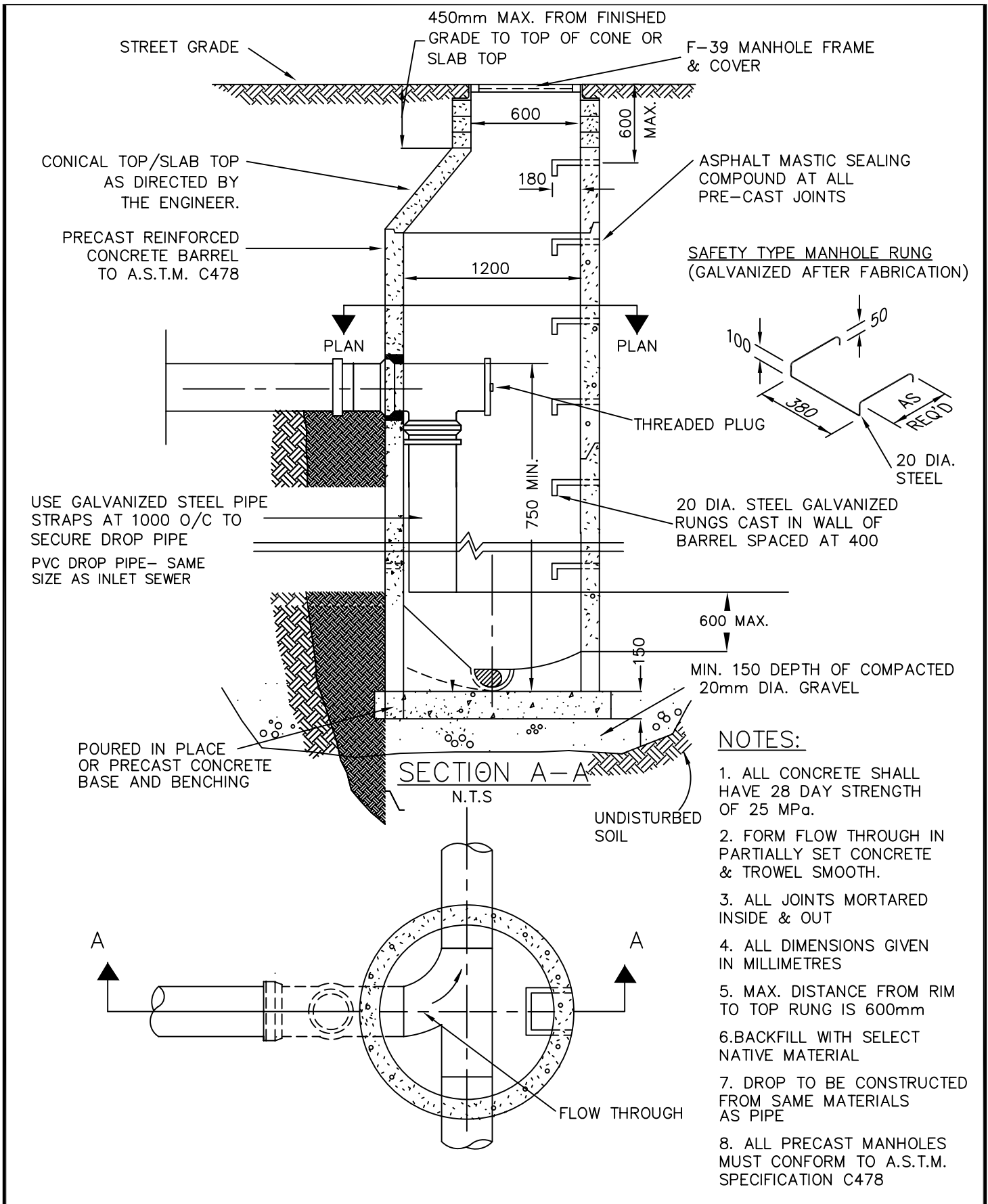


NOTES:

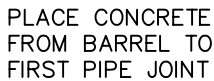
1. ALL PRECAST MANHOLES MUST CONFORM TO A.S.T.M. SPECIFICATIONS C478
2. POURED IN PLACE CONCRETE SHALL HAVE 28 DAYS COMPRESSIVE STRENGTH 25 MPa.
3. ALL JOINTS MORTARED INSIDE & OUT
4. FORM FLOW THROUGH IN PARTIALLY SET CONCRETE AND TROWEL SMOOTH
5. ALL DIMENSIONS GIVEN IN MILLIMETRES.
6. MAX. DIST FROM RIM TO TOP RUNG IS 800mm.
7. BACKFILL MH. WITH SELECT NATIVE MATERIAL.



			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	MANHOLE DETAIL	DRAWING NO.
			N.T.S.		2.01
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

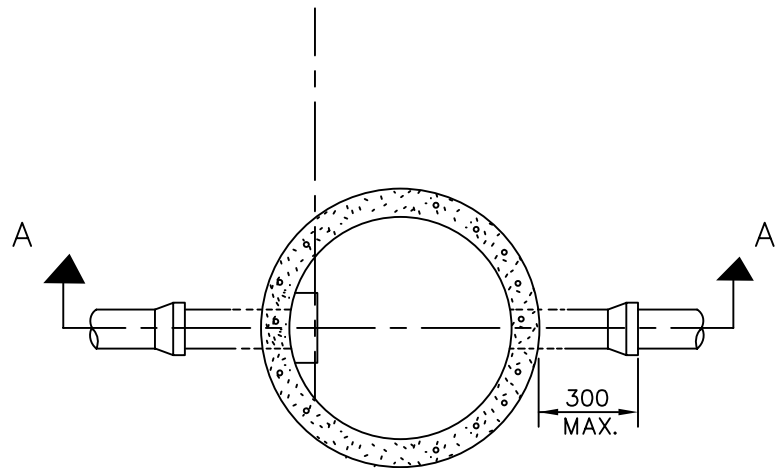
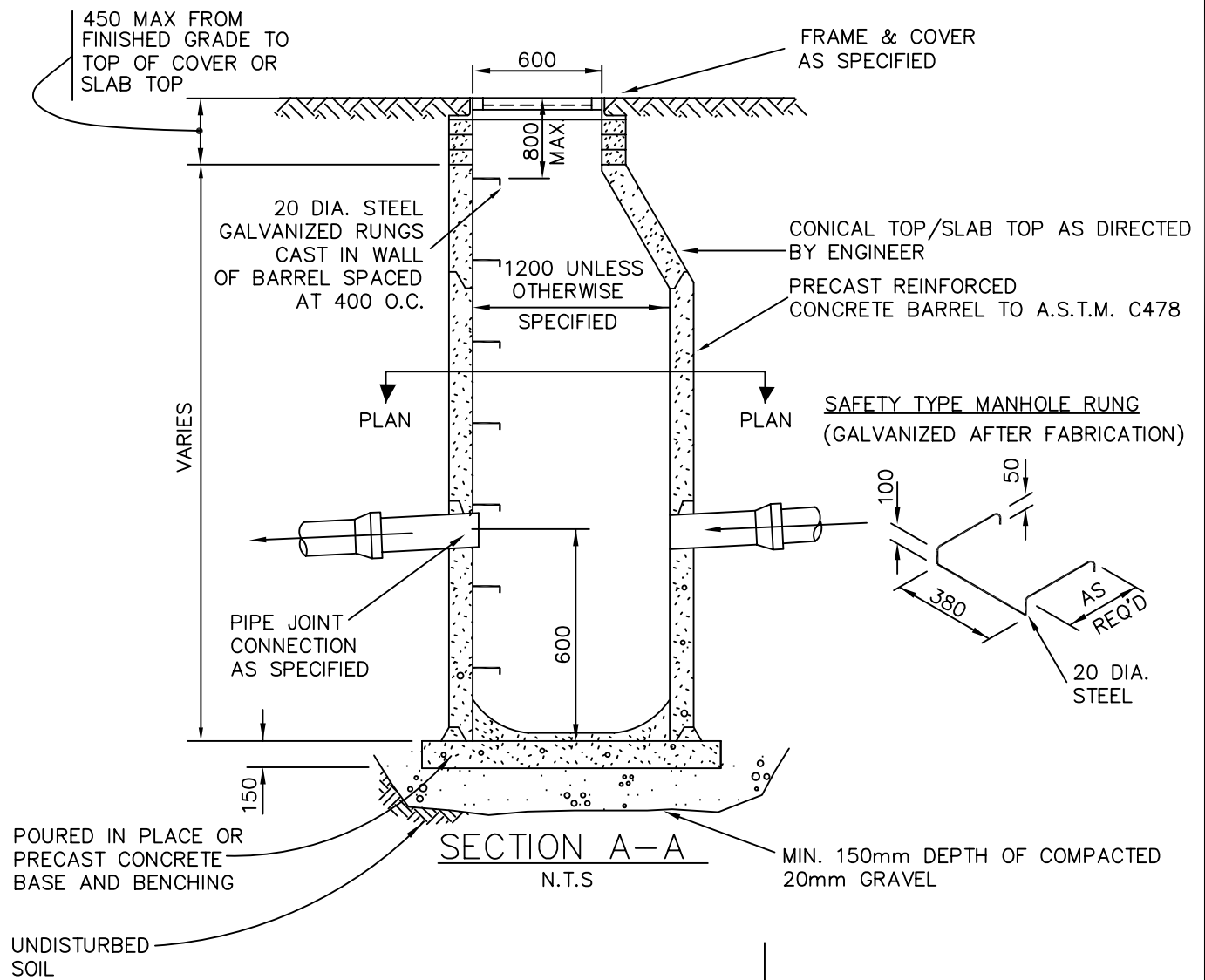


			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	DROP MANHOLE DETAIL	DRAWING NO. 2.02
			N.T.S.		
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



1. ALL CAST-IN-PLACE CONCRETE 25 MPa – 28 DAY STRENGTH
ALL JOINTS TO BE MORTARED INSIDE & OUT
2. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES

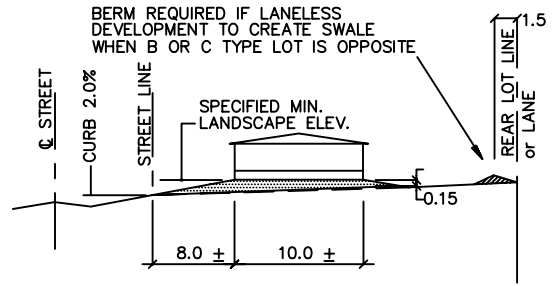
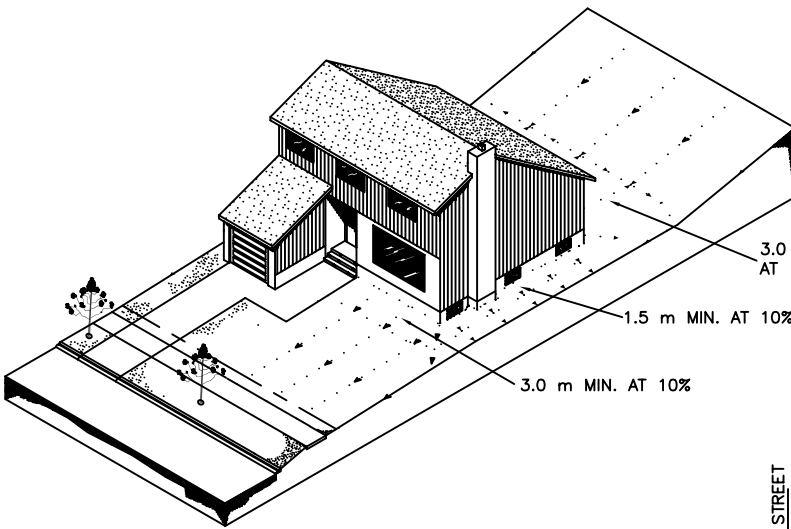
			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:		APPROVED BY:
			JAN. 2003	ACAD - CIVIL DRAFTING STANDARD DETAILS	
			SCALE:		DRAWING NO.
			N.T.S.	STANDARD CATCH BASIN WITH SUMP	3.01
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



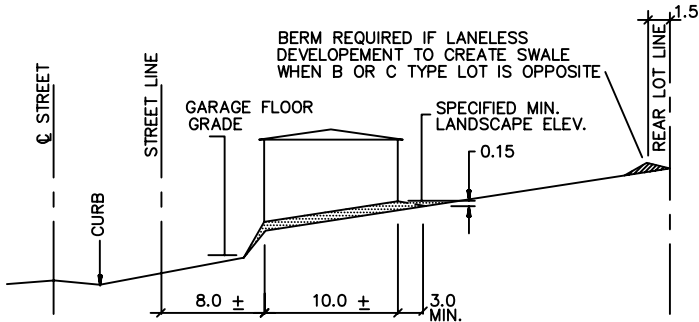
NOTES:

1. ALL PRECAST MANHOLES MUST CONFORM TO A.S.T.M. C478
2. POURED IN PLACE CONCRETE SHALL HAVE 28 DAYS COMPRESSIVE STRENGTH 25 MPa
3. ALL DIMENSIONS ARE IN MILLIMETRES.
4. MAX. DISTANCE FROM RIM TO TOP RUNG IS 800mm.
5. ALL PRECAST MANHOLES MUST CONFORM TO A.S.T.M. SPECIFICATIONS
6. ALL JOINTS MORTARED INSIDE AND OUT
7. ALL JOINTS MORTARED INSIDE AND OUT
8. BACKFILL MANHOLE WITH SELECT NATIVE MATERIAL

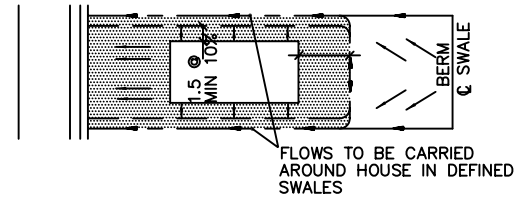
			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	CATCH BASIN MANHOLE	DRAWING NO.
			N.T.S.		3.02
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



ELEVATION

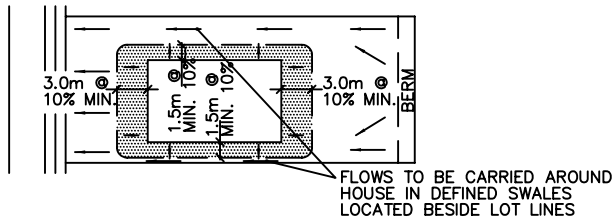


ELEVATION



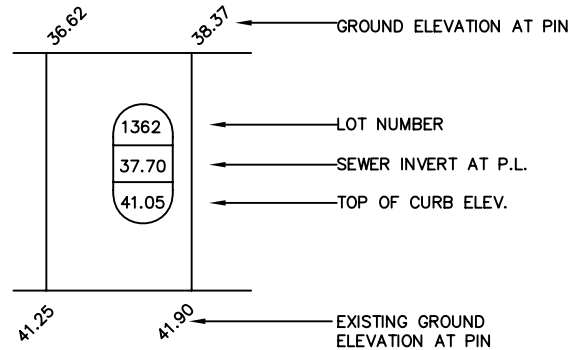
PLAN

CONVENTIONAL AND SPLIT BUNGALOW HOUSE TYPE



PLAN

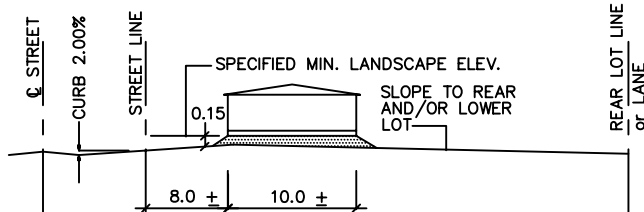
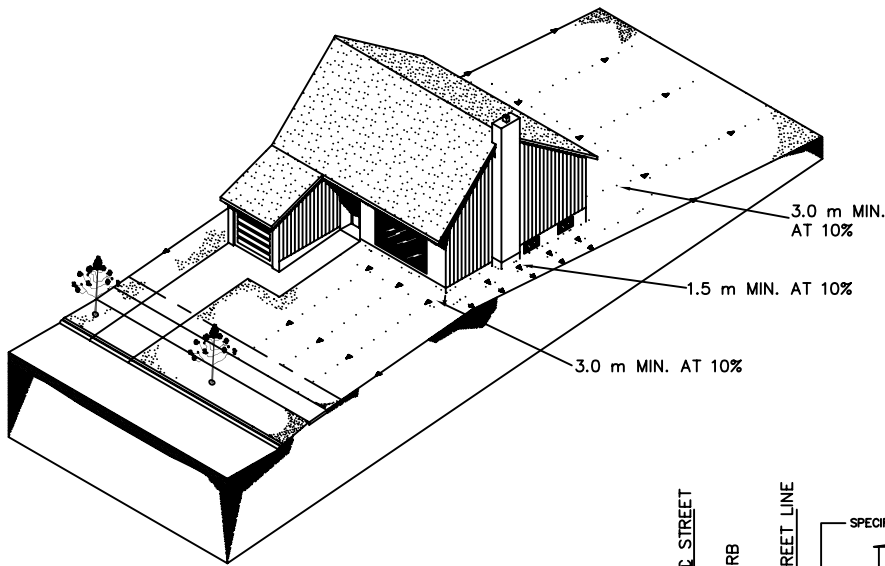
BASEMENT GARAGE AND FRONT WALKOUT HOUSE TYPE



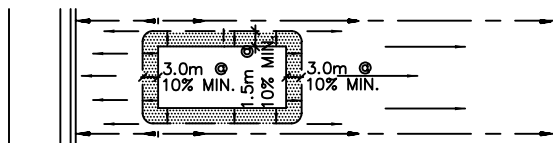
NOTE:

1. FINISH LANDSCAPE ELEVATION ADJACENT TO HOUSE TO BE 0.15m ABOVE EXISTING GROUND
2. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.

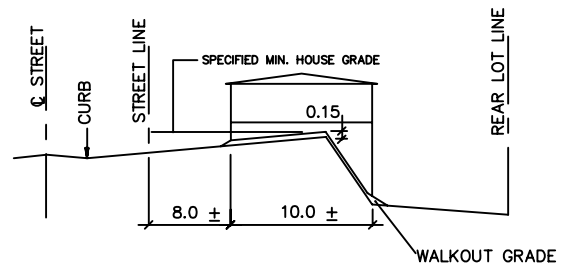
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:		APPROVED BY:
			JAN. 2003	ACAD - CIVIL DRAFTING STANDARD DETAILS	
			SCALE:		
1	JAN 31, 2007	DRAWING NUMBER	N.T.S.	TYPICAL FRONT LOT DRAINAGE TYPE A	DRAWING NO. 3.03
NO.	DATE	REVISION			



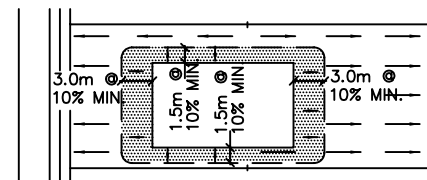
ELEVATION



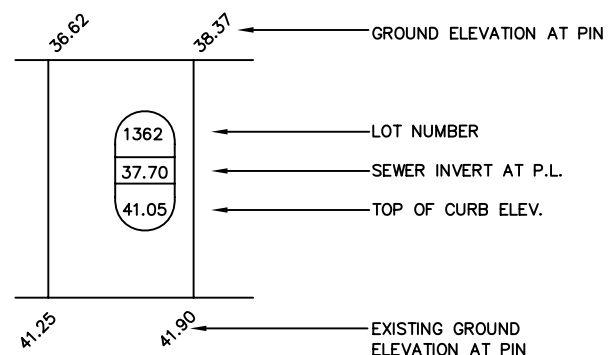
PLAN
CONVENTIONAL HOUSE TYPE



ELEVATION



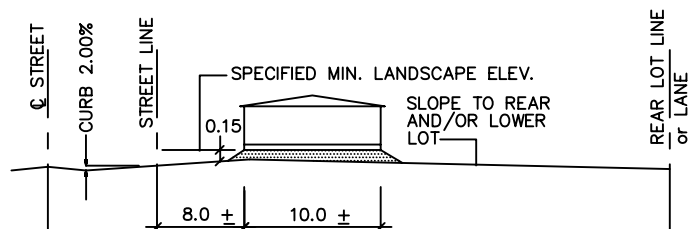
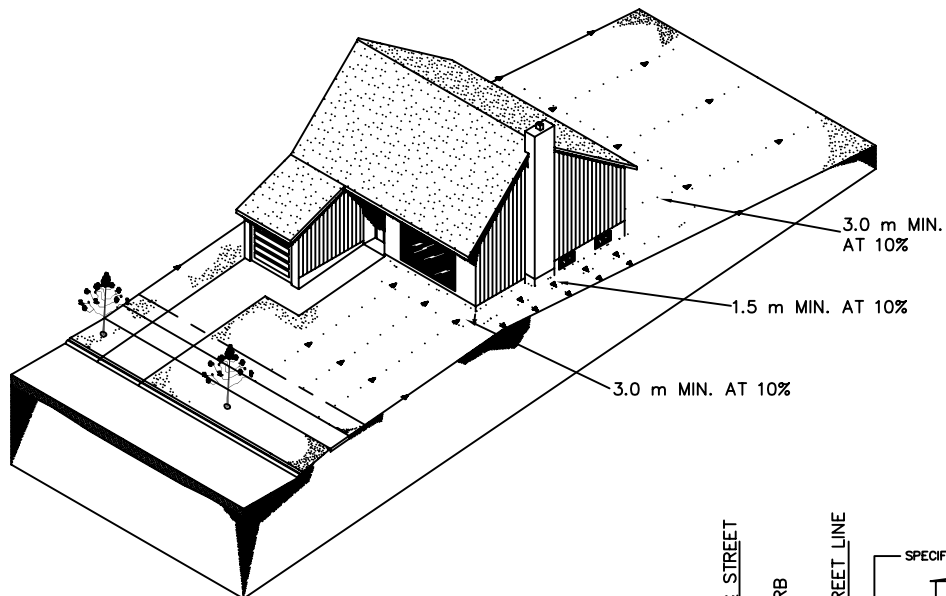
PLAN
WALKOUT OR BACKSPLIT HOUSE TYPE



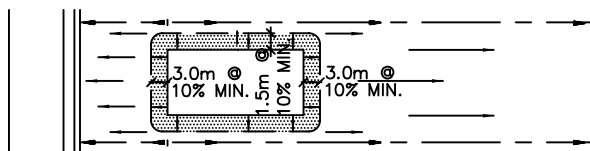
NOTE:

1. FINISH LANDSCAPE ELEVATION ADJACENT TO HOUSE TO BE 0.15m ABOVE EXISTING GROUND
2. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.

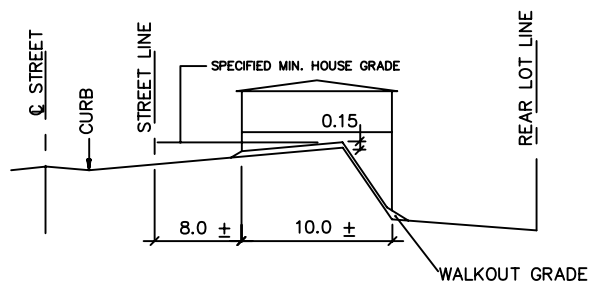
CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT			
DATE: JAN. 2003		ACAD - CIVIL DRAFTING STANDARD DETAILS	
SCALE: N.T.S.		TYPICAL SPLIT LOT DRAINAGE TYPE B	
1	JAN 31, 2007	DRAWING NUMBER	3.04
NO.	DATE	REVISION	



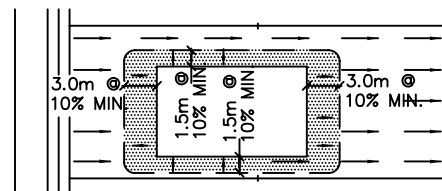
ELEVATION



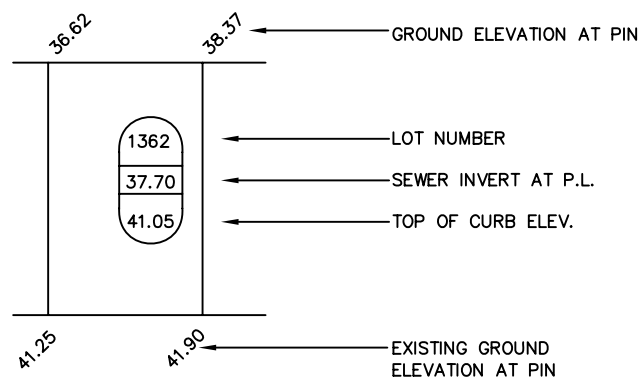
PLAN
CONVENTIONAL HOUSE TYPE



ELEVATION



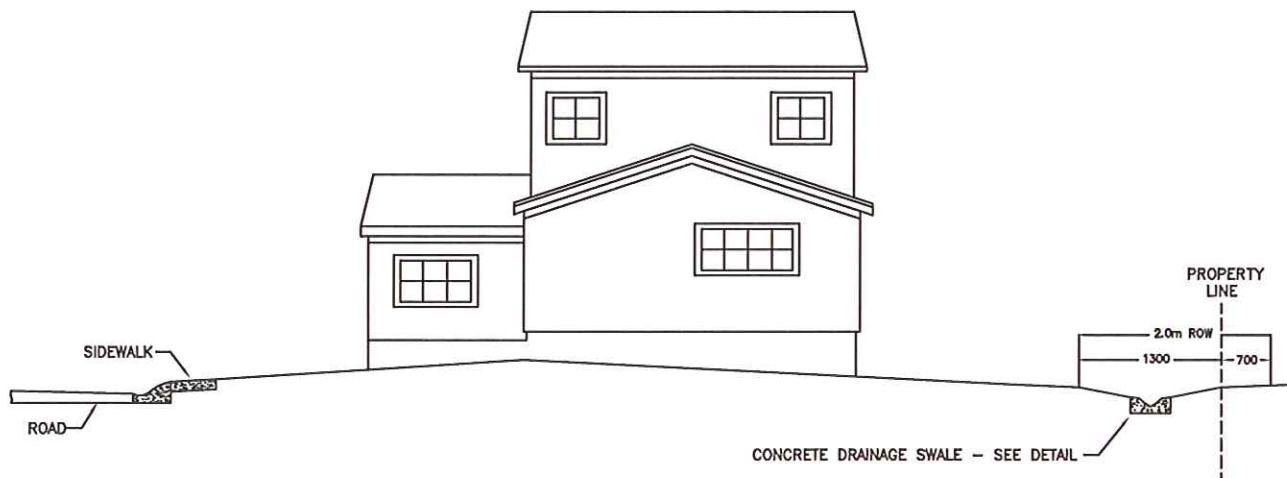
PLAN
WALKOUT OR BACKSPLIT HOUSE TYPE



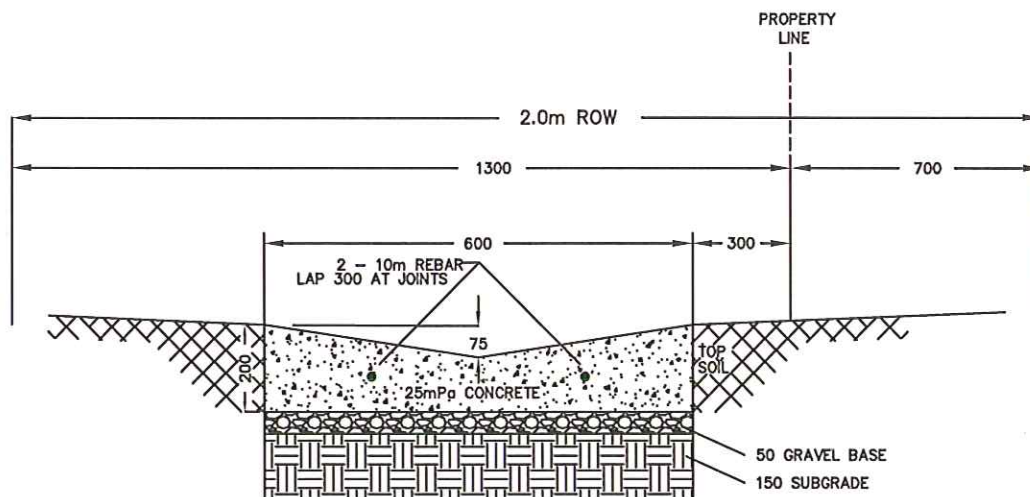
NOTE:

1. FINISH LANDSCAPE ELEVATION ADJACENT TO HOUSE TO BE 0.15m ABOVE EXISTING GROUND
2. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	TYPICAL REAR LOT DRAINAGE TYPE C	DRAWING NO.
			N.T.S.		3.05
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



TYPICAL BACK OF LOT
CONCRETE DRAINAGE SWALE
N.T.S.

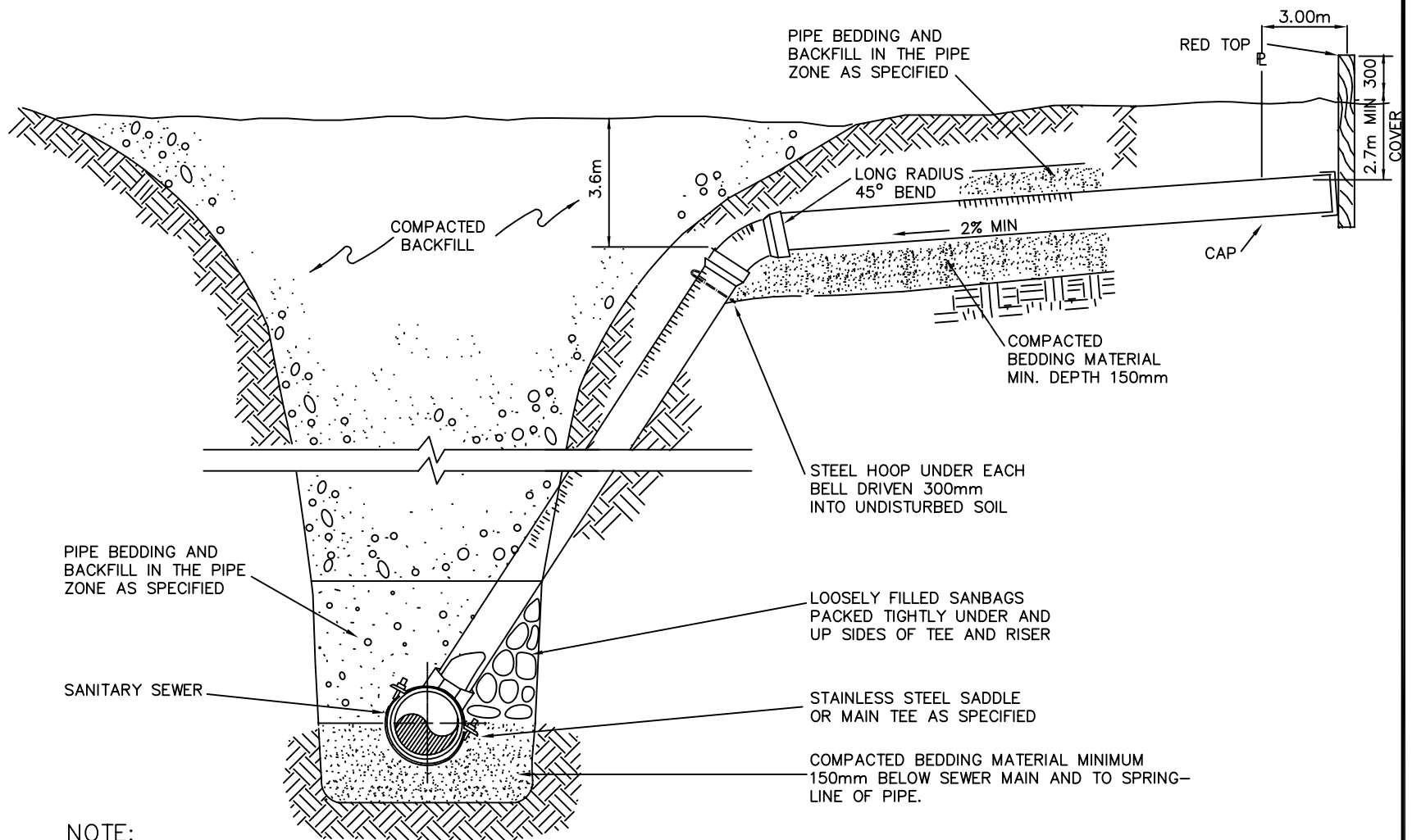


CONCRETE DRAINAGE SWALE
N.T.S.

- NOTES: 1) NO PLANTING, OR
OBSTRUCTIONS WITHIN 2.0m ROW
2) ALL MEASUREMENTS ARE IN MILLIMETERS
UNLESS OTHERWISE STATED

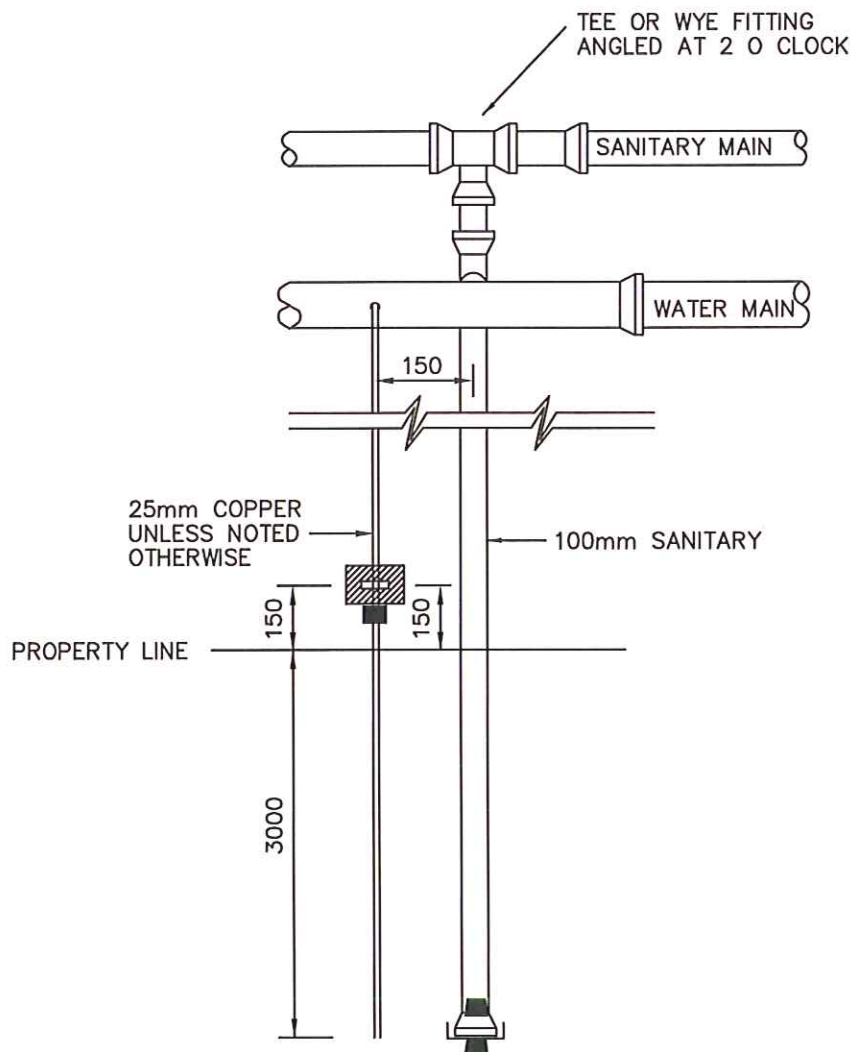
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			May 9, 2016		
			SCALE:	LOT DRAINAGE SWALE	DRAWING NO.
			N.T.S.		3.06
1	2016-05-09	DRAWING NUMBER			
NO.	DATE	REVISION			

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
				APPROVED BY:
		DATE:		
		JAN. 2003	ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE:	SANITARY SEWER SERVICE CONNECTION RISER	DRAWING NO.
		N.T.S.		4.01
1	JAN 31, 2007	DRAWING NUMBER		
NO.	DATE	REVISION		



NOTE:

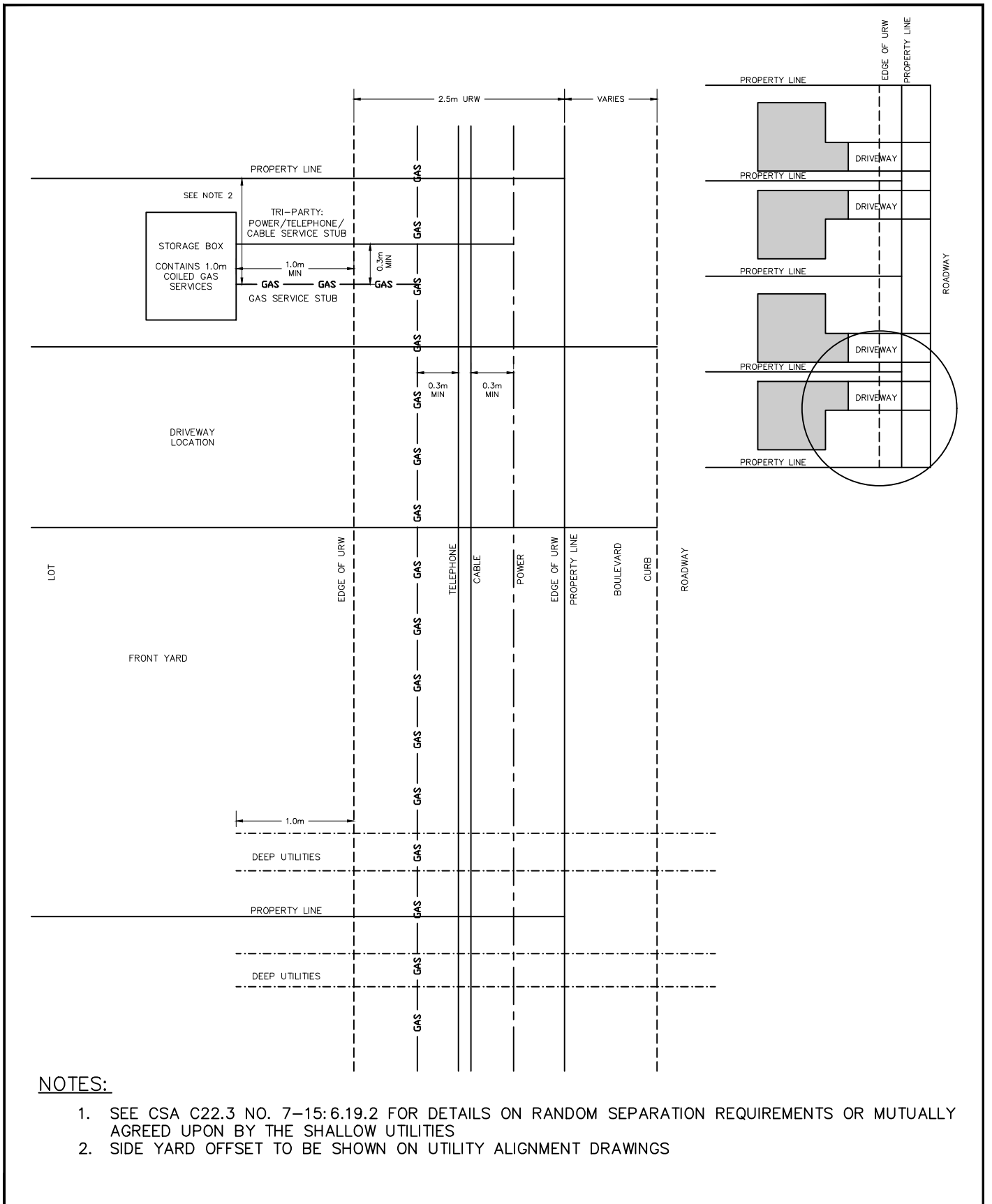
1. COMPACTION REQUIREMENTS AS PER DETAILED SPECIFICATIONS
2. ALL DIMENSIONS GIVEN IN MILLIMETRES
3. DEPTH OF COVER TO BE CONFIRMED BY THERMAL ANALYSIS.
4. RISER REQUIRED WHERE MAIN IS IN EXCESS OF 4.5m DEEP.
RISERS SHALL BE INSTALLED TO WITHIN 3.6m OF FINISHED GRADE.



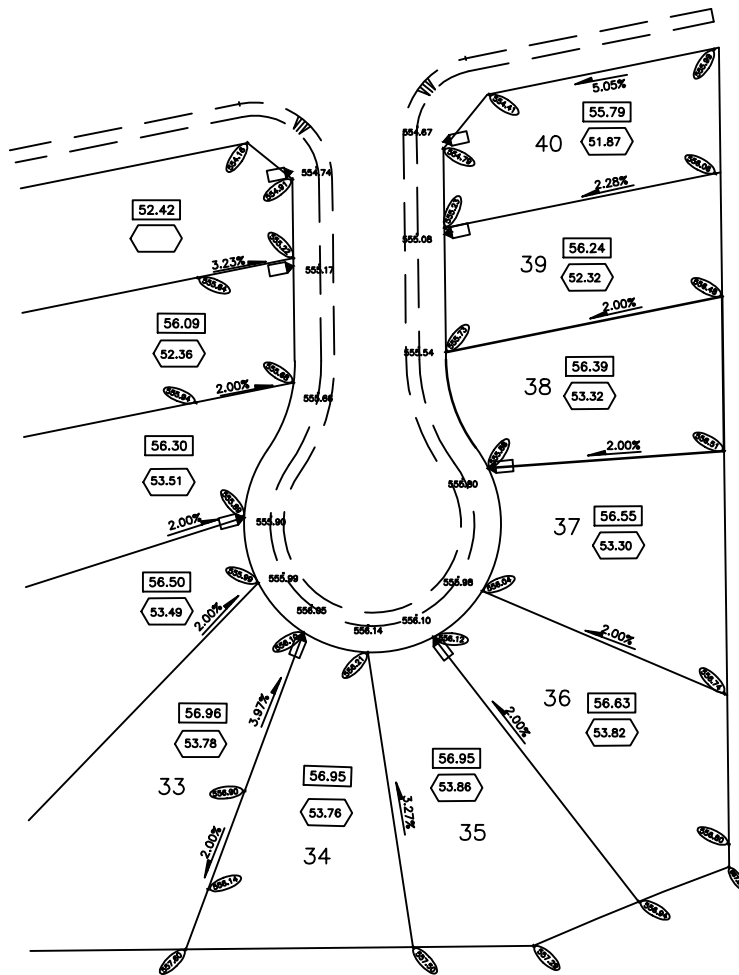
NOTE:

1. CITY OF COLD LAKE IS NOT RESPONSIBLE FOR OWNERSHIP OR MAINTENANCE OF SERVICE ON PRIVATE PROPERTY.
2. ENDS OF SERVICES TO BE MARKED WITH A 38mm x 90mm STAKE PROTRUING 300mm ABOVE GROUND PAINTED AS FOLLOWS:
 - A. CURBSTOP - BLUE
 - B. END OF SERVICE IN SEPERATE TRENCH - GREEN
 - C. END OF WATER SERVICE INSIDE PRIVATE PROPERTY - BLUE
3. ENDS OF ANY WATER SERVICE EXTENDED INTO PRIVATE PROPERTY TO HAVE FILTER CLOTH OR APPROVE EQUIVALENT TAPED ON END TO ALLOW TESTING OF CURBSTOP.
4. SEWER SERVICES MUST BE PROPERLY CAPPED
5. ALL DIMENSIONS GIVEN IN MILLIMETRES.
6. COMMERCIAL SANITARY SERVICE SHALL BE MINIMUM 150mm.

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	SERVICE LAYOUT	DRAWING NO.
			N.T.S.		4.02
2	MAY 09, 2016	INSPECTION CHAMBER REMOVED			
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



			CITY OF COLD LAKE INFRASTRUCTURE SERVICES DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			SEP. 2020	STANDARD DETAILS	
			SCALE:	FOUR PARTY COMMON TRENCH	DRAWING NO.
			N.T.S.	STUB ALIGNMENT	4.03
NO.	DATE	REVISION			



SUBDIVISION NAME: _____
 CIVIC ADDRESS: _____
 DEVELOPER: _____
 BUILDER: _____
 OWNER: _____
 DATE: _____

I CERTIFY THAT THE FINAL LANDSCAPE GRADES WILL BE WITHIN 50mm OF THE PROPOSED FINISHED LOT CORNER GRADES AS INDICATED ON THIS CERTIFICATE

 SIGNATURE OF OWNER OR OWNERS AGENT

GRADING TYPE

BACK TO FRONT

HOUSE TYPE

FINISHED FLOOR

BOTTOM OF FOOTING

TOP OF BASEMENT WALL

GARAGE FLOOR

LOT

38

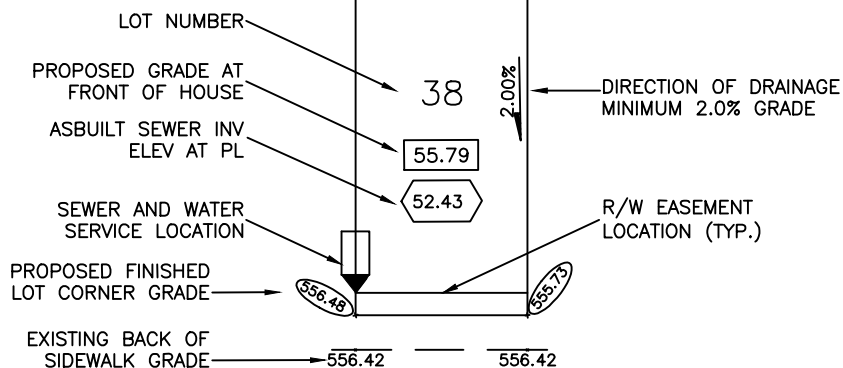
BLOCK

21

PLAN

062 1621

NOTE:

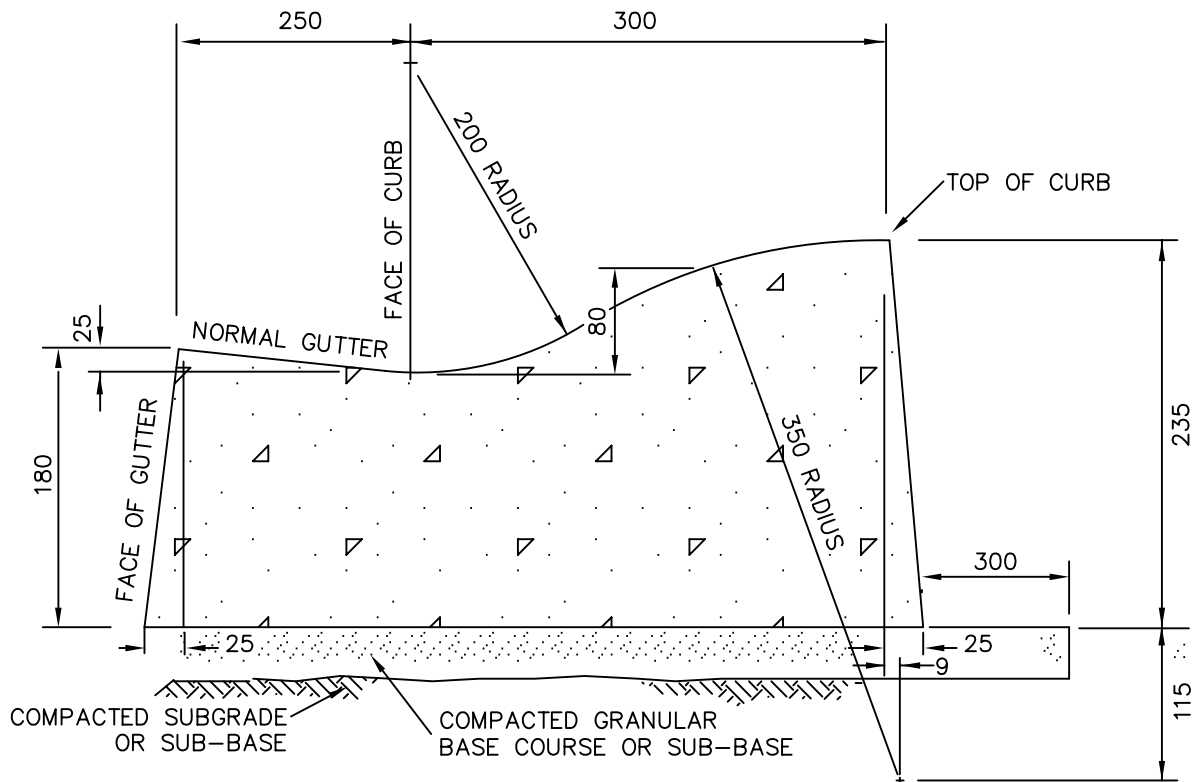


NOTES:

1. INITIAL MINIMUM GRADE OF 10% OVER A DISTANCE OF 1.5m AT SIDES & 10% OVER A DISTANCE OF 3M AT FRONT AND BACK.
2. MINIMUM STANDARD LOT GRADE IS 2.0%
3. ROUGH GRADE LOT ELEVATIONS ARE 300mm BELOW FINAL GRADES. FINAL GRADES TO BE SET +/- 50mm.
4. DESIGN LOT ELEVATIONS PROVIDED BY: (Name of Consulting Engineer) _____

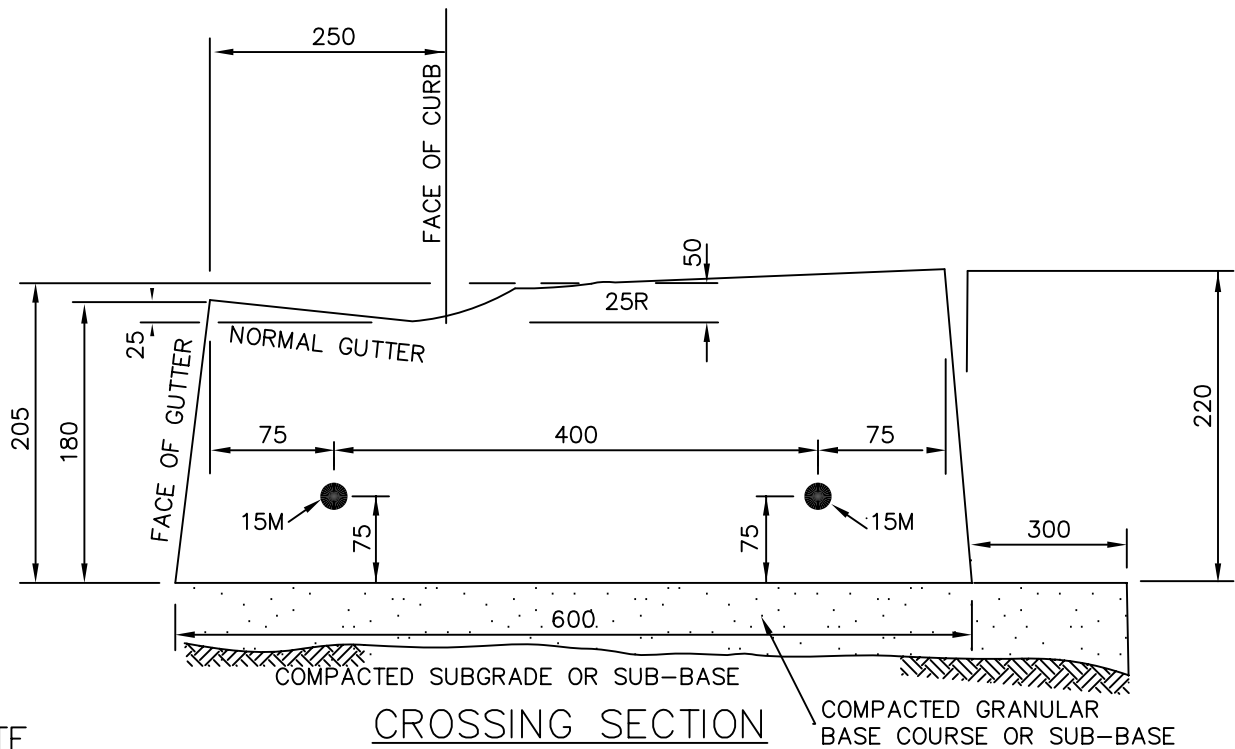
THIS GRADE SLIP IS PREPARED BY THE DEVELOPER. THE CITY OF COLD LAKE IS NOT RESPONSIBLE FOR THE INFORMATION PROVIDED.

			CITY OF COLD LAKE	
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
			DATE:	ACAD - CIVIL DRAFTING
			JAN. 2007	STANDARD DETAILS
			SCALE:	APPROVED BY:
			N.T.S.	
			NEW RESIDENTIAL BUILDING	
			GRADE PLAN	
			DRAWING NO.	
			4.04	
1	JAN 31, 2007	REVISED DRAWING NUMBER		
NO.	DATE	REVISION		



TYPICAL ROLLED CURB & GUTTER

N.T.S



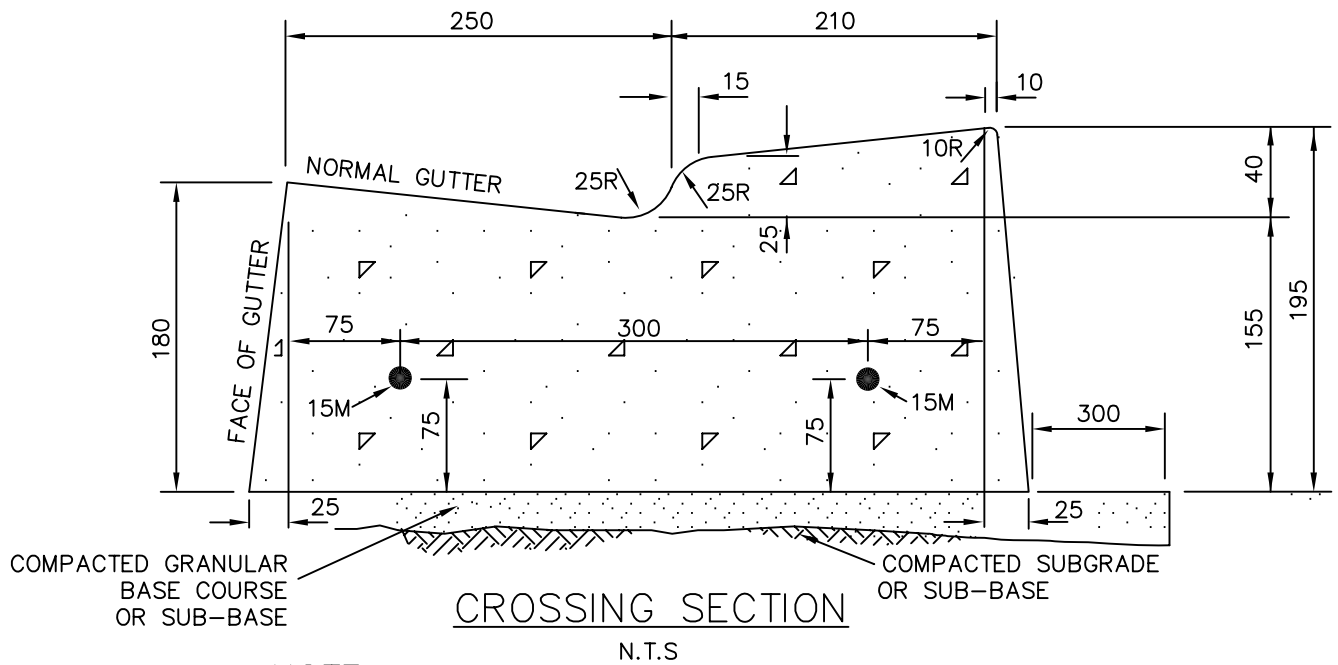
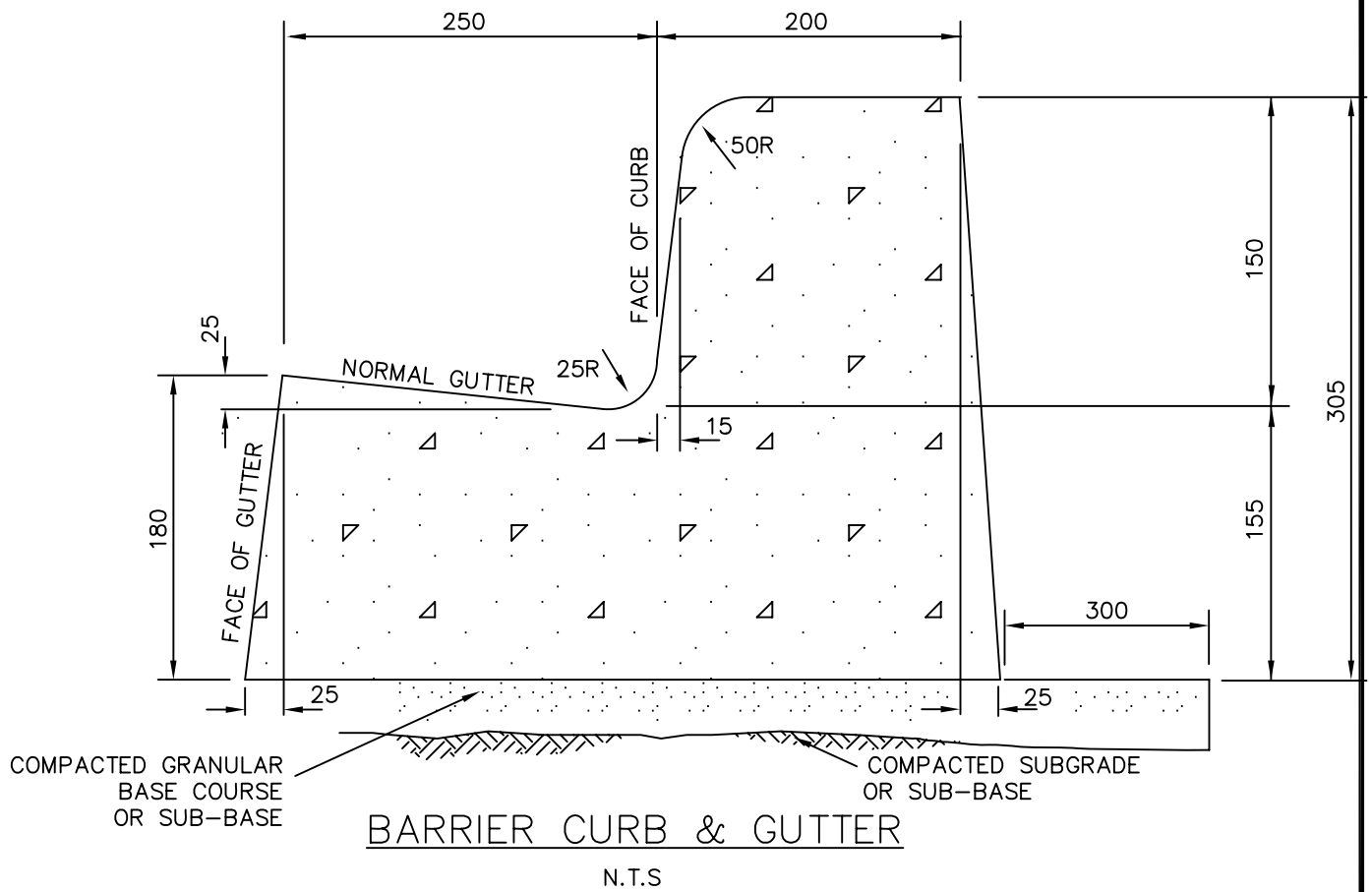
CROSSING SECTION

N.T.S

NOTE

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. REINFORCEMENT NOT REQUIRED AT PRIVATE CROSSING

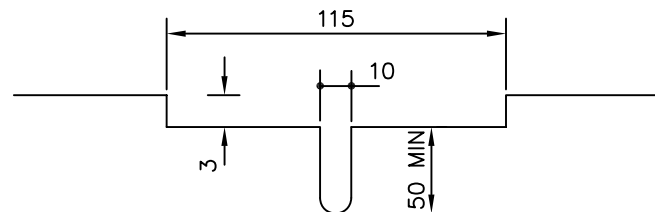
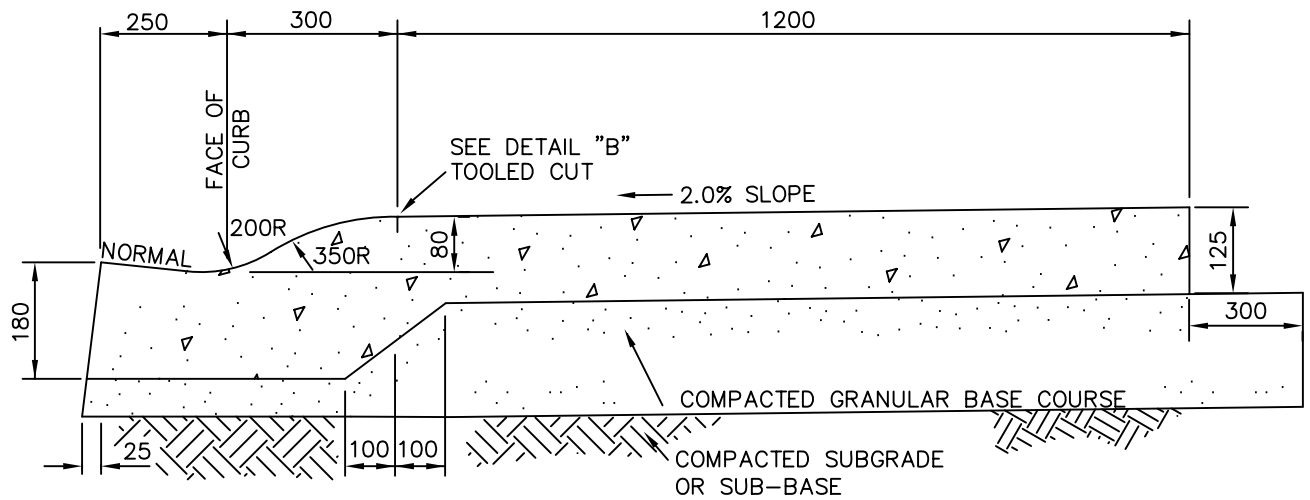
			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	TYPICAL ROLLED CURB & GUTTER	DRAWING NO.
			N.T.S.	AND CROSSING DETAILS	5.01
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



NOTE:

1. REINFORCEMENT NOT REQUIRED AT PRIVATE CROSSING
2. ALL DIMENSIONS ARE IN MILLIMETRES

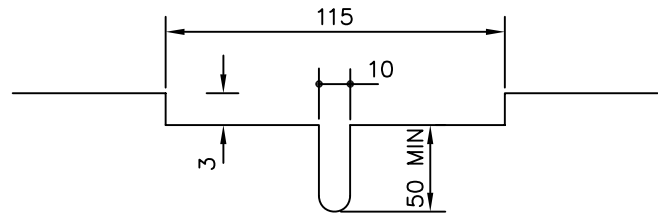
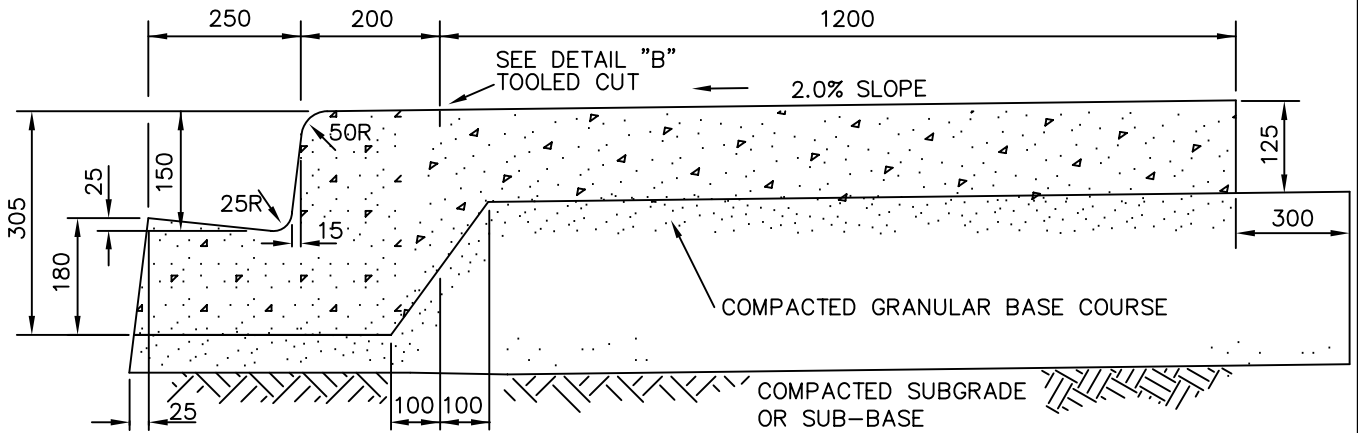
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	150MM BARRIER CURB & GUTTER AND CROSSING DETAILS	DRAWING NO.
			N.T.S.		5.02
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETRES.

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	ROLLED MONOLITHIC CURB,	DRAWING NO.
			N.T.S.	GUTTER & SIDEWALK	5.03
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



DETAIL "B"

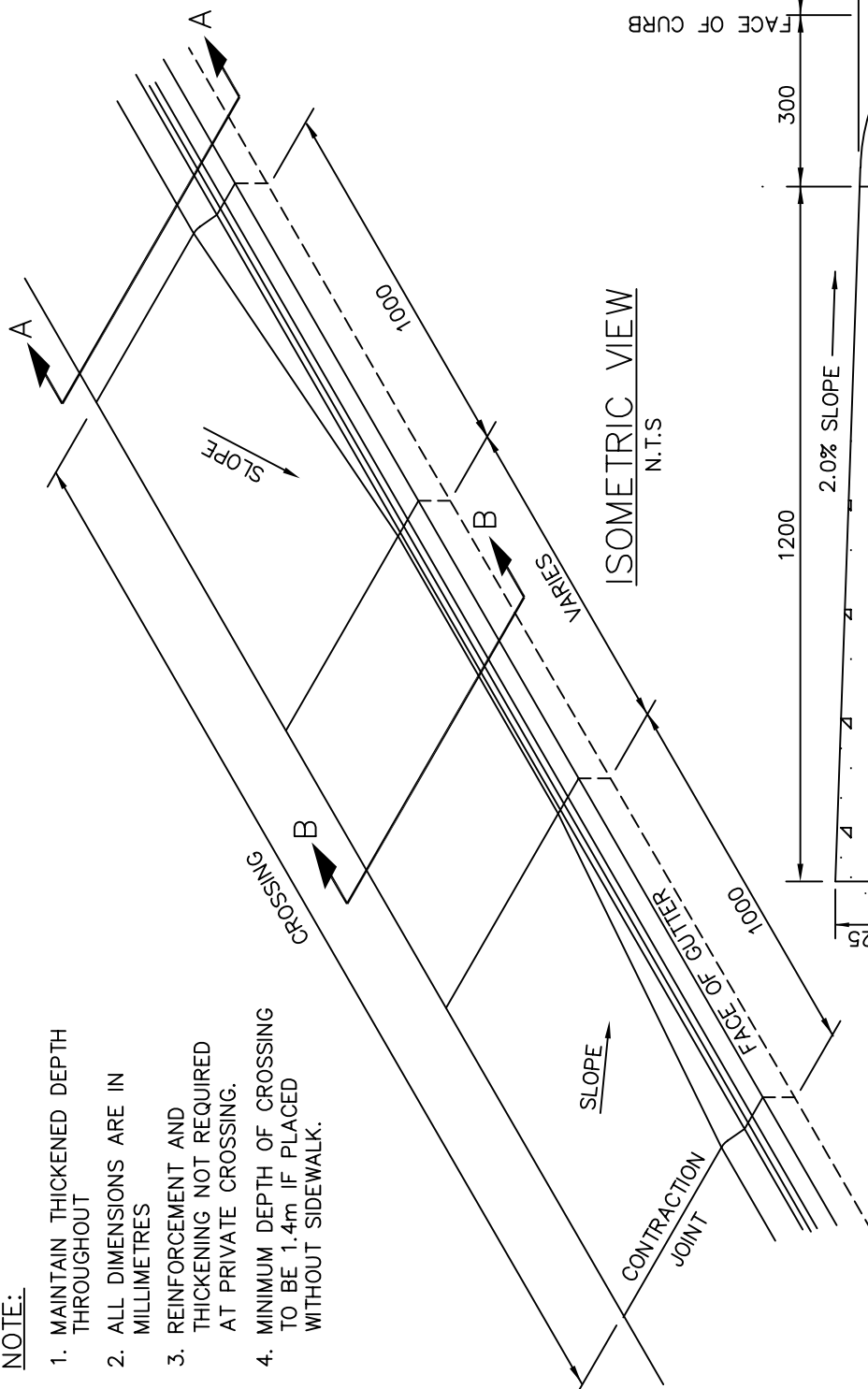
NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETRES.

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	150mm BARRIER MONOLITHIC	DRAWING NO.
			N.T.S.	CURB, GUTTER & SIDEWALK	5.04
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

NOTE:

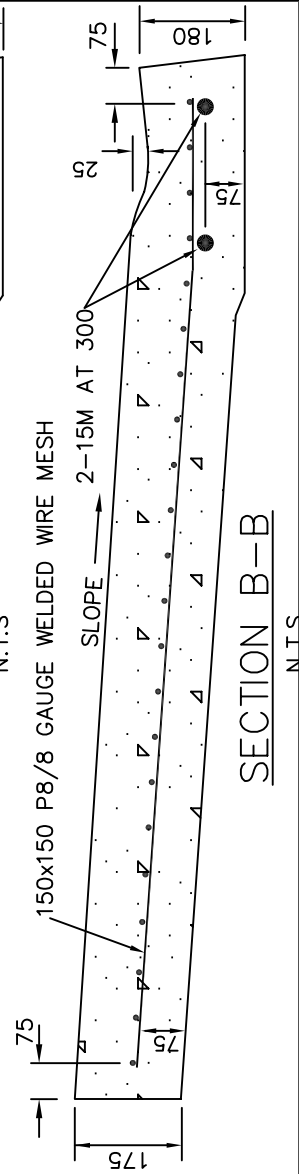
1. MAINTAIN THICKENED DEPTH THROUGHOUT
2. ALL DIMENSIONS ARE IN MILLIMETRES
3. REINFORCEMENT AND THICKENING NOT REQUIRED AT PRIVATE CROSSING.
4. MINIMUM DEPTH OF CROSSING TO BE 1.4m IF PLACED WITHOUT SIDEWALK.



ISOMETRIC VIEW
N.T.S.



SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

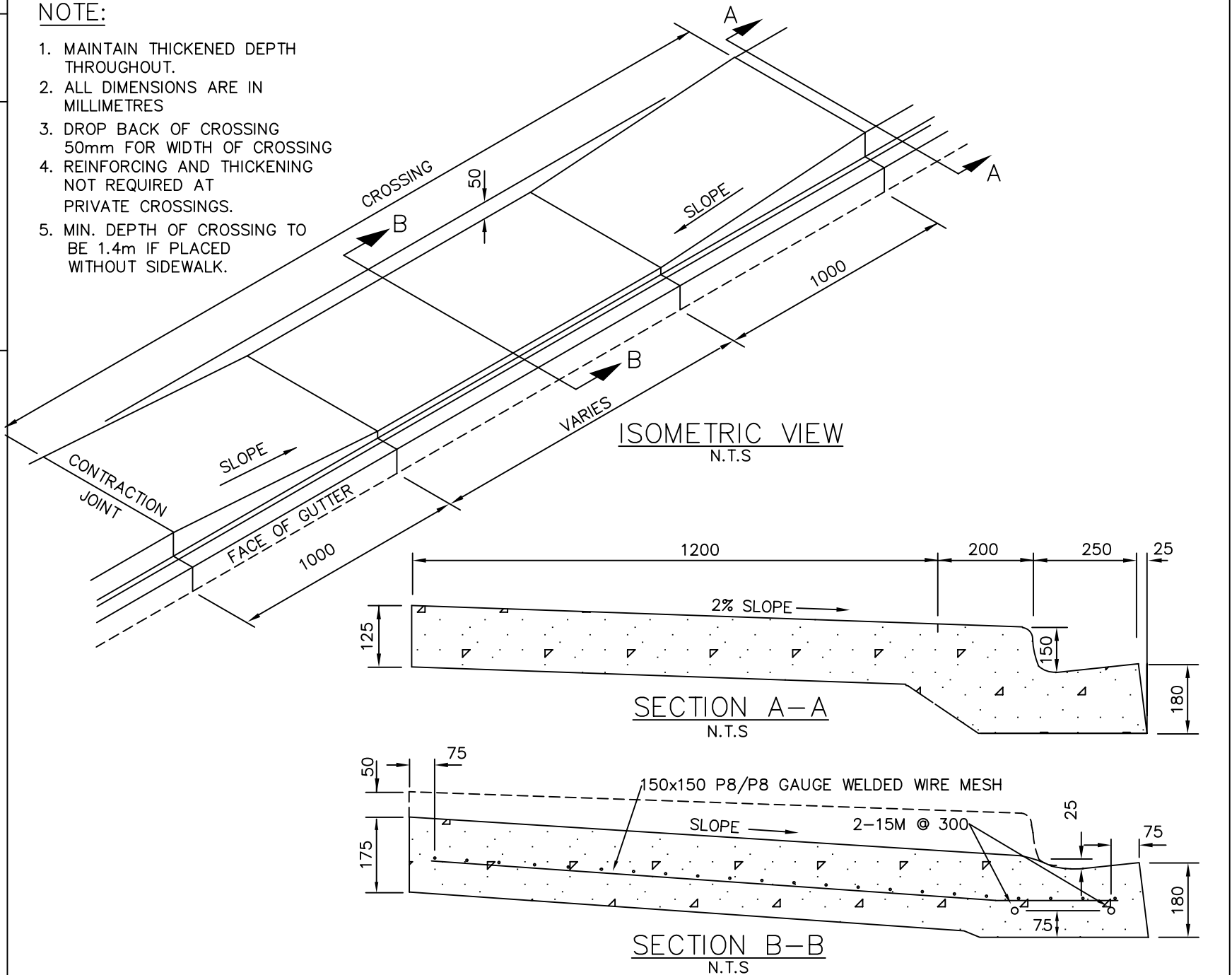
CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT			
DATE: JAN. 2003		ACAD - CIVIL DRAFTING STANDARD DETAILS	
SCALE: N.T.S.		APPROVED BY:	
1 JAN 31, 2007		DRAWING NO. 5.05	
NO. DATE		REVISION	

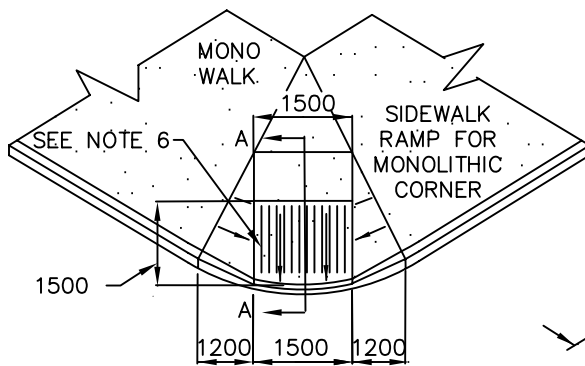
**ROLLED MONOLITHIC
CROSSING DETAILS**

NO.	1	DATE	JAN 31, 2007	REVISION	DRAWING NUMBER	SCALE	N.T.S.	CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	DATE	JAN. 2003	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:	DRAWING NO.	5.06
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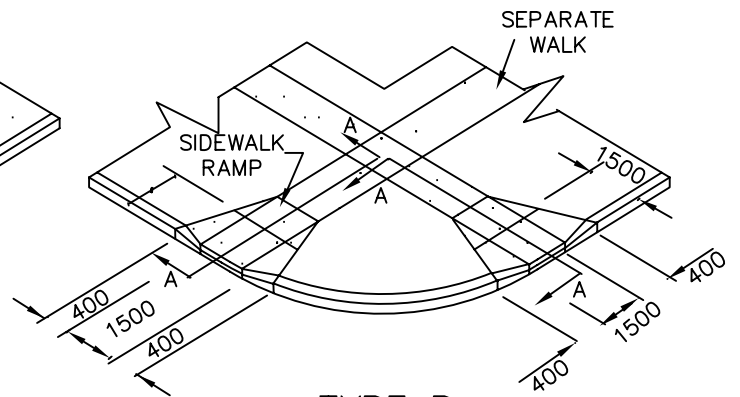
NOTE:

1. MAINTAIN THICKENED DEPTH THROUGHOUT.
2. ALL DIMENSIONS ARE IN MILLIMETRES
3. DROP BACK OF CROSSING 50mm FOR WIDTH OF CROSSING
4. REINFORCING AND THICKENING NOT REQUIRED AT PRIVATE CROSSINGS.
5. MIN. DEPTH OF CROSSING TO BE 1.4m IF PLACED WITHOUT SIDEWALK.

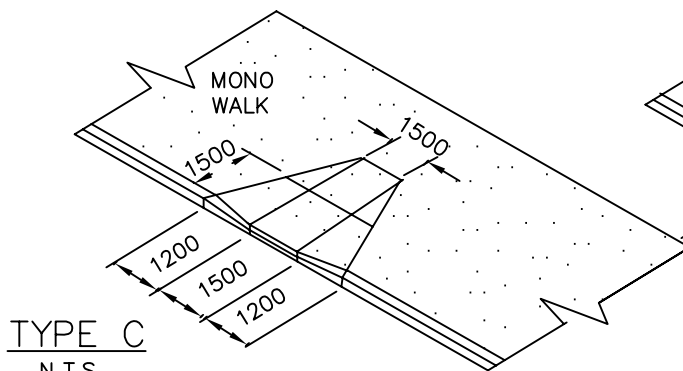




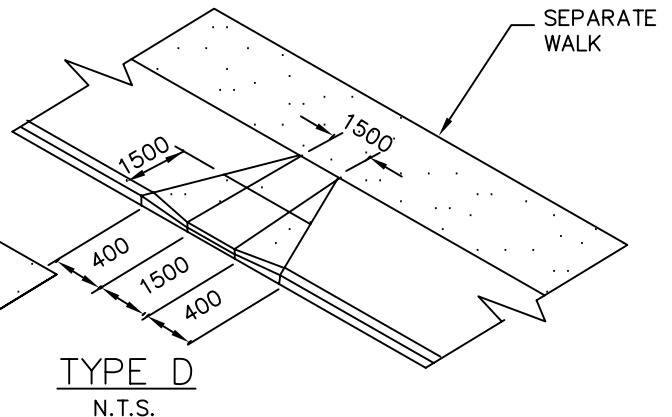
TYPE A
N.T.S.



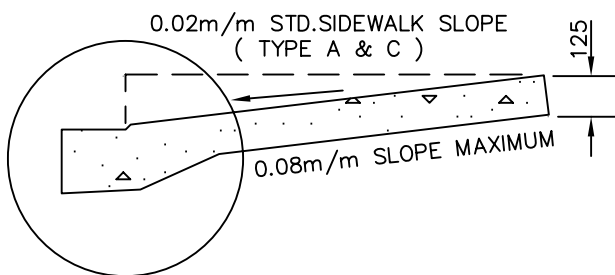
TYPE B
N.T.S.



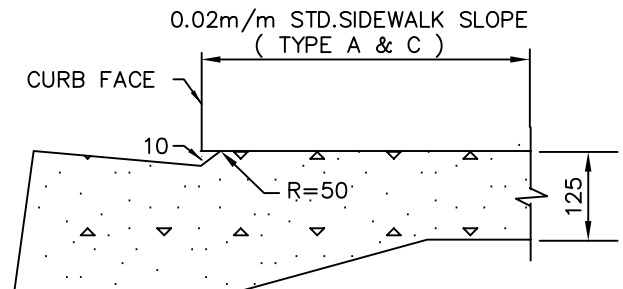
TYPE C
N.T.S.



TYPE D
N.T.S.



SCALE: HOR. 1:25
VERT. 1:20

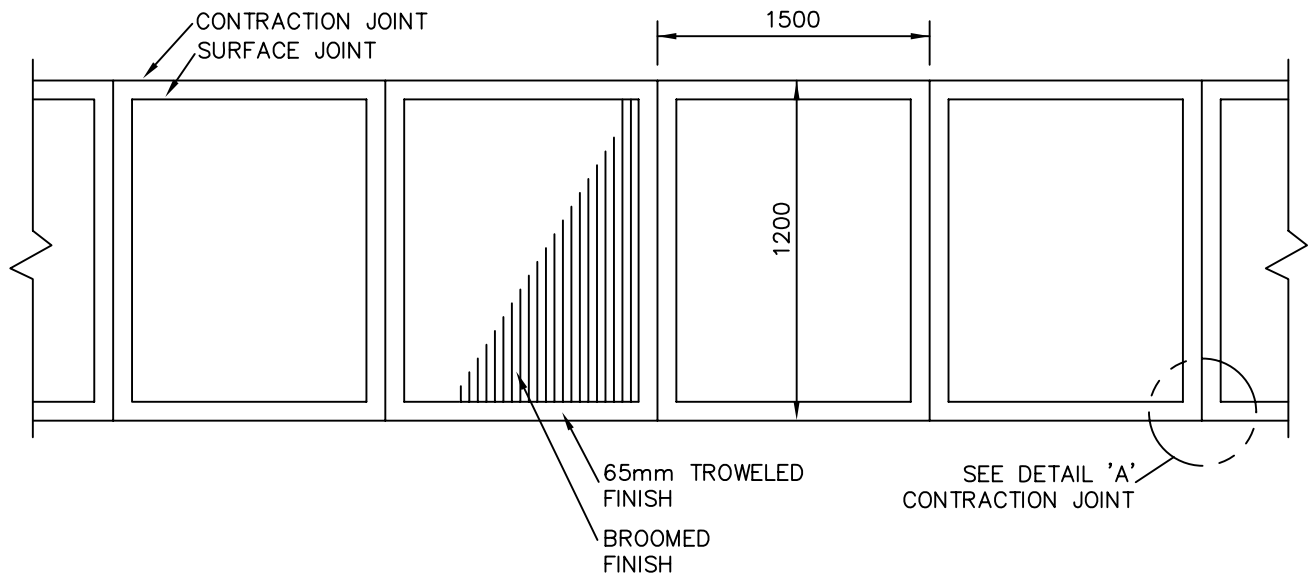


SCALE: HOR. 1:10
VERT. 1:10

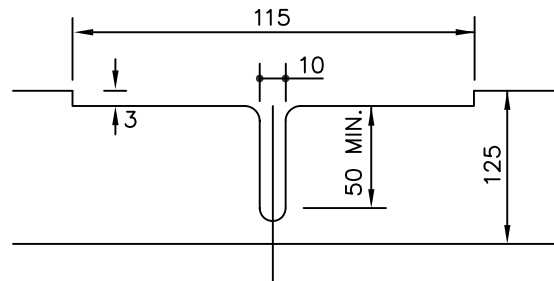
NOTES:

1. WHERE RAMP IS TO BE USED AS A TRANSITION. USE THE CENTRE OF THE 1500mm RAMP AS THE CENTRE OF THE TRANSITION.
2. WHERE CURB FACE IS 200mm. DISTANCE OF FLARE SHOULD BE 1600mm.
3. CURBS AND RAMPS TO BE POURED MONOLITHICALLY.
4. CONSTRUCTION JOINT REQUIRED AT EACH SIDE OF RAMP.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED
6. TOOLED GROOVES 5mm WIDE BY 10mm DEEP AT 150 o.c., TYP. TYPE A, B, C AND D.

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	WHEEL CHAIR/BIKE RAMP DETAILS	DRAWING NO.
			N.T.S.		5.07
2	JAN 31, 2007	DRAWING NUMBER			
1.	SEPT 06	REVISION 1			
NO.	DATE	REVISION			



PLAN
N.T.S

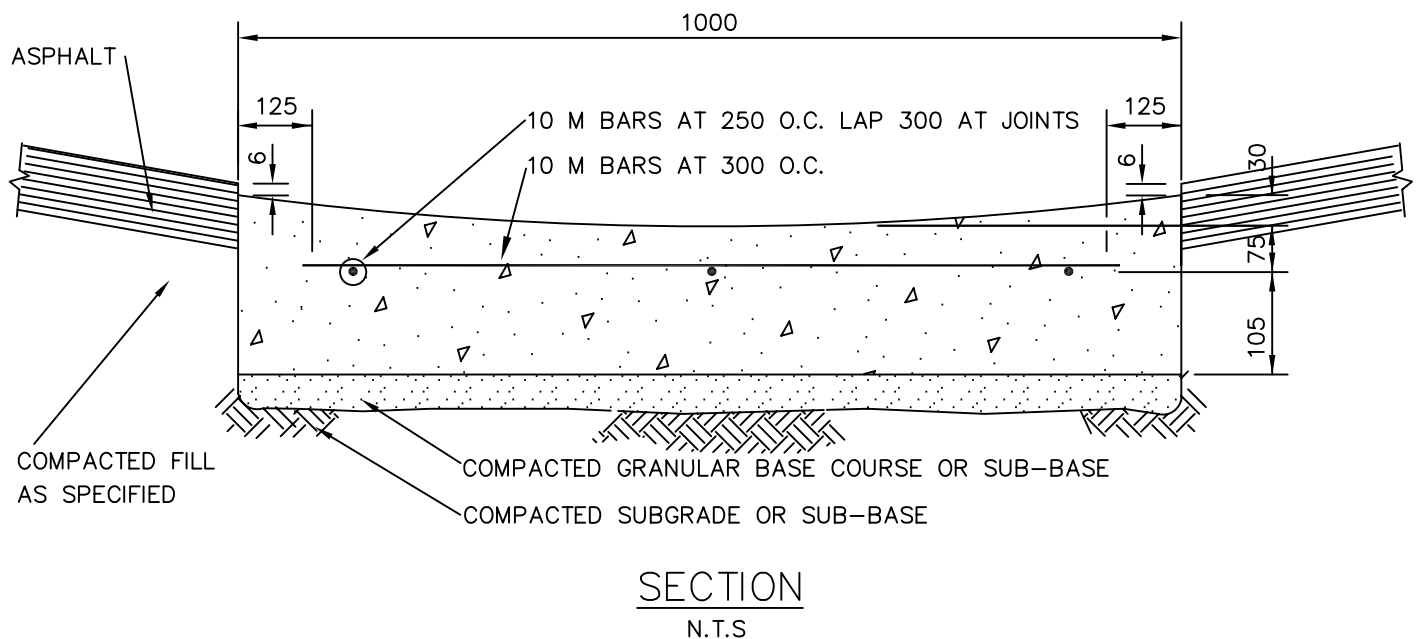
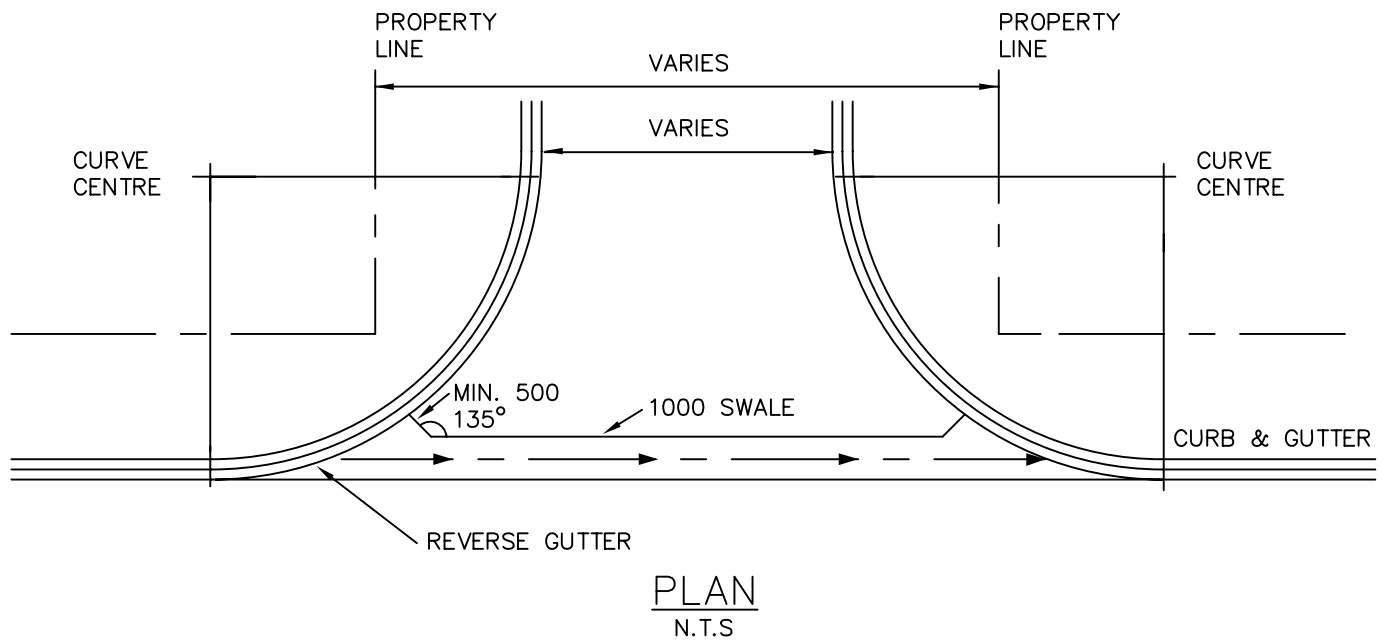


DETAIL 'A'
N.T.S

NOTES:

1. SIDEWALK CROSS-FALL TO BE 2% TOWARDS TOP OF CURB.
2. EXPANSION MATERIAL SHALL BE PLACED WHEN ABUTTING EXISTING STRUCTURES.
3. SIDEWALK SHALL HAVE A "BROOMED" FINISH.
4. TRANSVERSE CONTRACTION JOINTS AT THE END OF EACH POUR, AND AT 3m INT.
5. TRANSVERSE SURFACE JOINTS EVERY 3 METRES MIDWAY BETWEEN CONTRACTION JOINTS.
6. ALL DIMENSIONS ARE GIVEN IN MILLIMETRES.

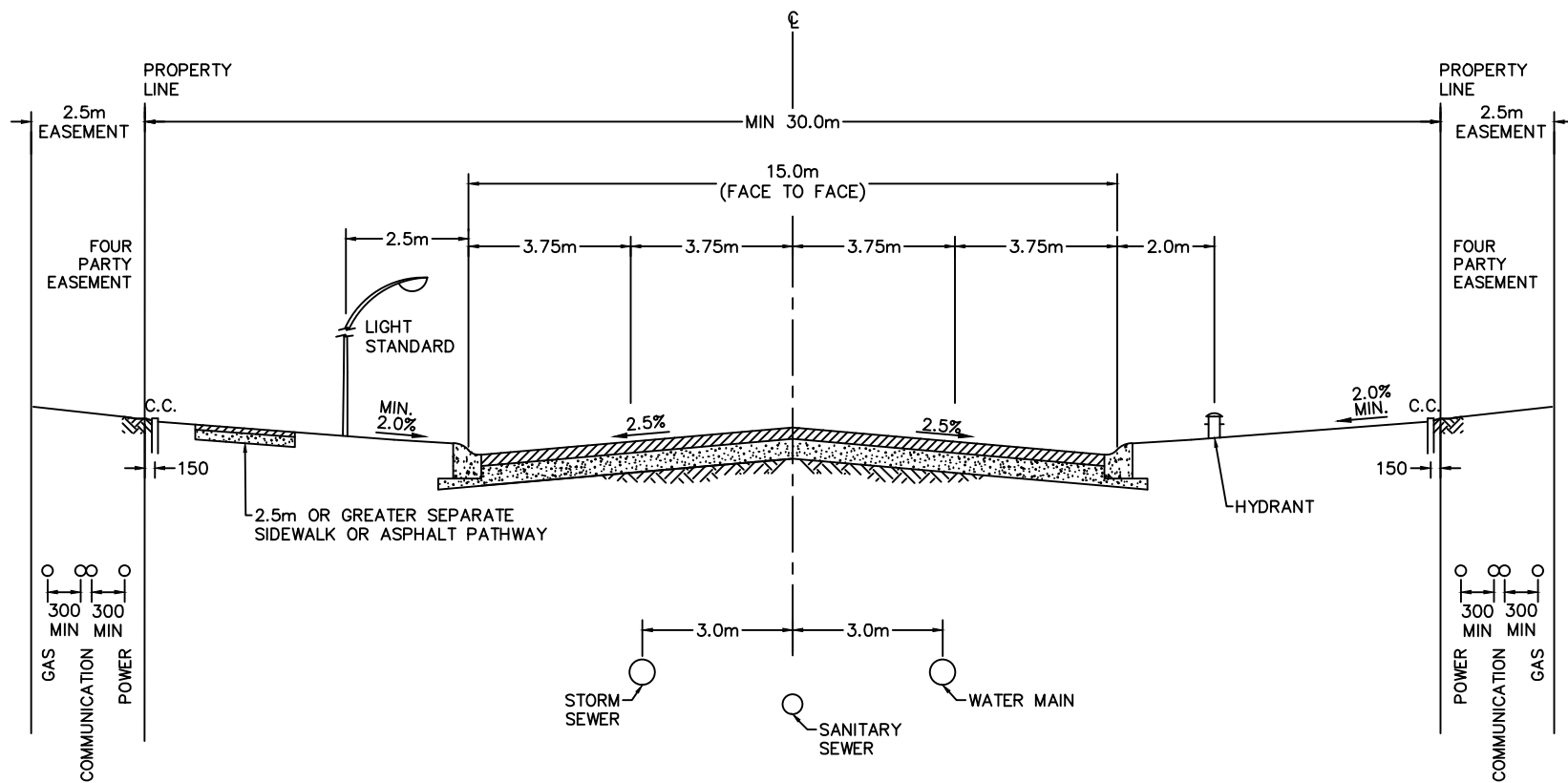
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	SEPARATE SIDEWALK DETAILS	DRAWING NO.
			N.T.S.		5.08
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



- NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETRES
 2. CONTRACTION JOINTS SPACED AT 3m INTERVAL

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	1000mm CONCRETE SWALE	DRAWING NO.
			N.T.S.	PLAN & SECTION	5.09
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

				CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
			DATE: SEP, 2020	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			SCALE: N.T.S.	15.0m URBAN ARTERIAL STREET SECTION	DRAWING NO. 5.10
NO.	DATE		REVISION		

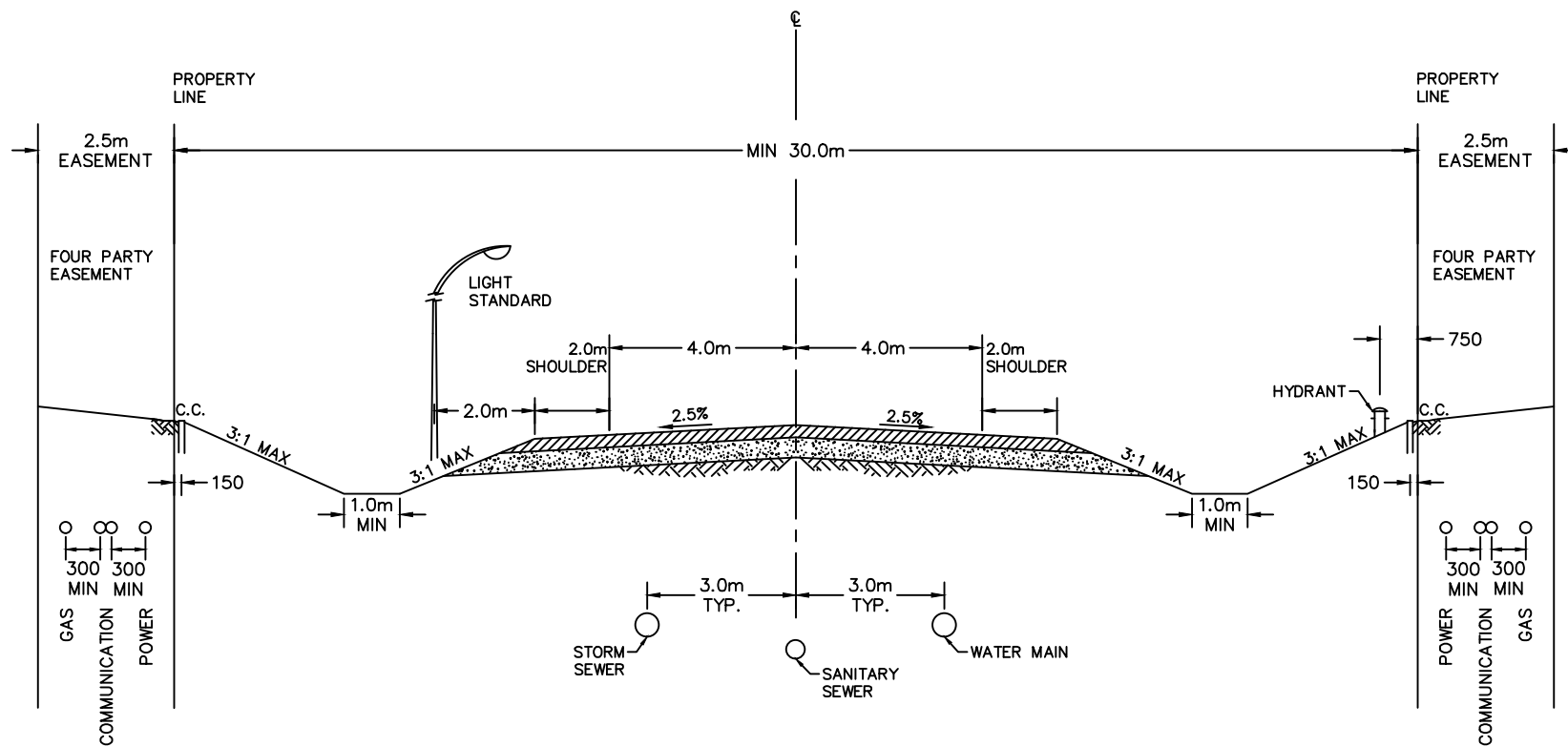


SECTION
N.T.S

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION UAU-70.

		CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
		DATE:	APPROVED BY:
		SEP. 2020	
		ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE:	DRAWING NO.
		N.T.S.	5.11
NO.	DATE	REVISION	

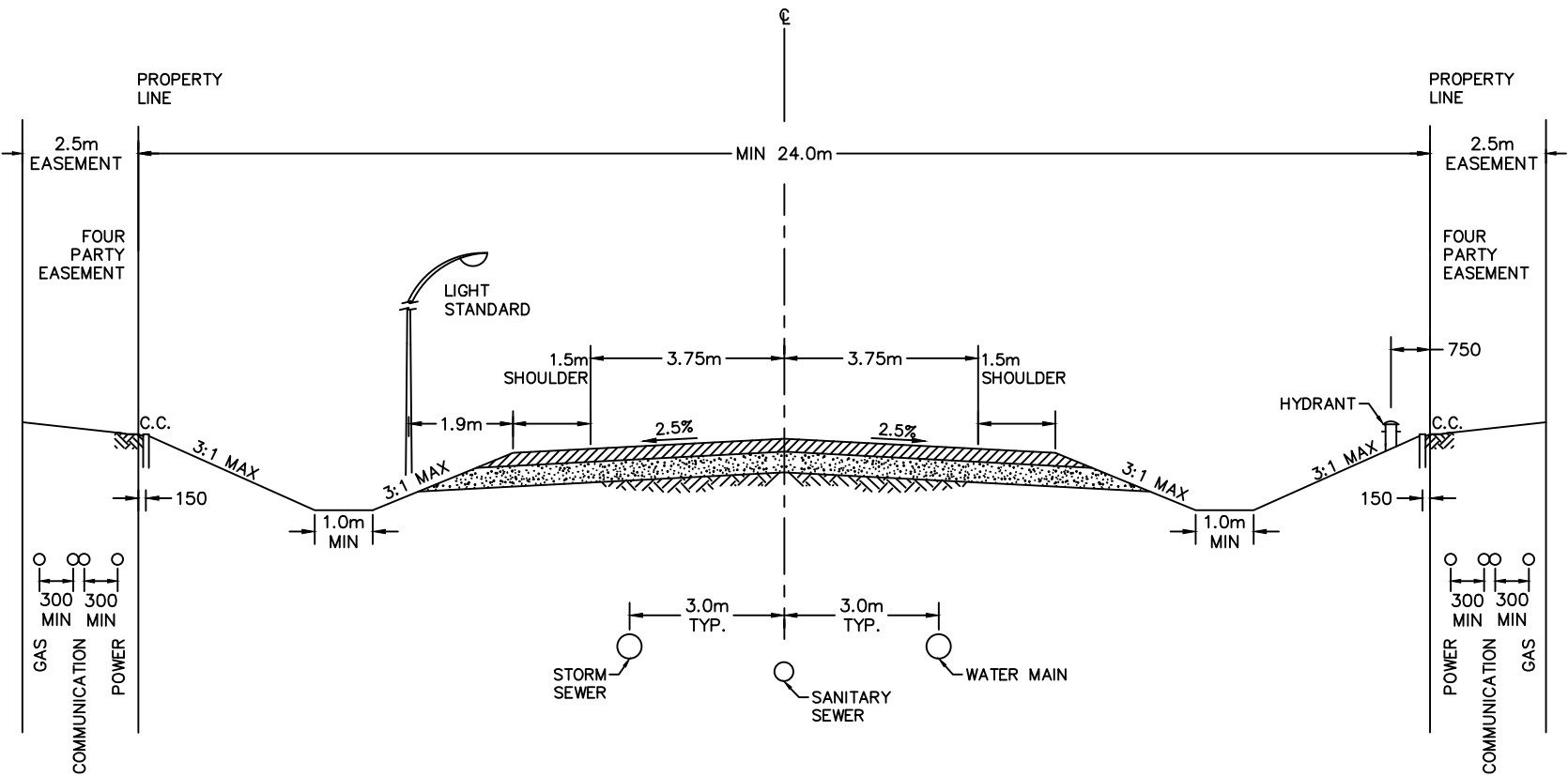


SECTION
N.T.S

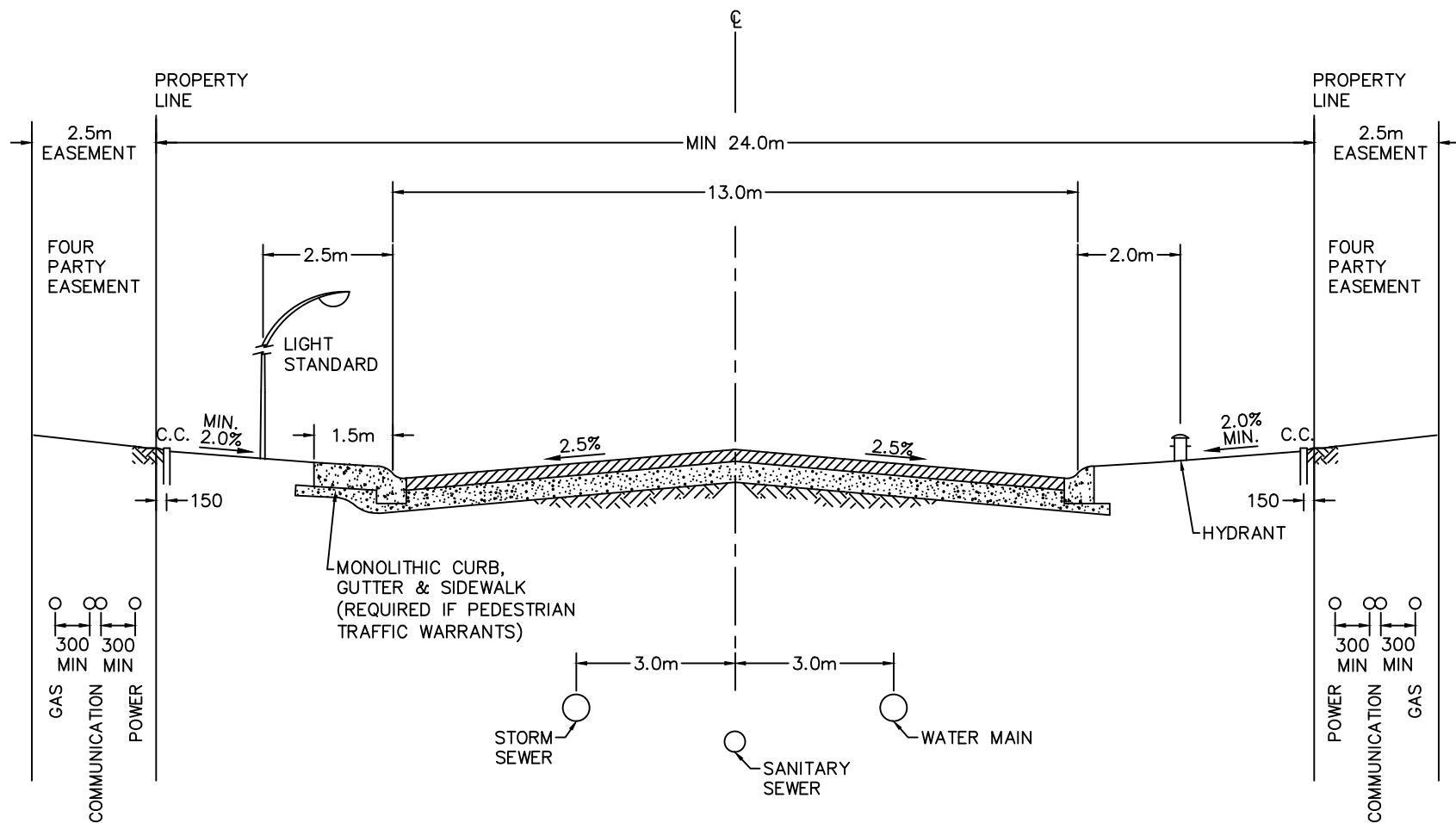
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION RAU-70.

NO.	DATE	REVISION	DATE: SEP. 2020	SCALE: N.T.S.	CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	APPROVED BY:
					ACAD - CIVIL DRAFTING	
					STANDARD DETAILS	
					10.5m RURAL RESIDENTIAL COLLECTOR	
					STREET SECTION	
						DRAWING NO. 5.13



			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
		DATE:		APPROVED BY
		SEP. 2020	ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE:		DRAWING NO.
		N.T.S.	13.0m INDUSTRIAL URBAN COLLECTOR STREET SECTION	5.14
NO.	DATE	REVISION		

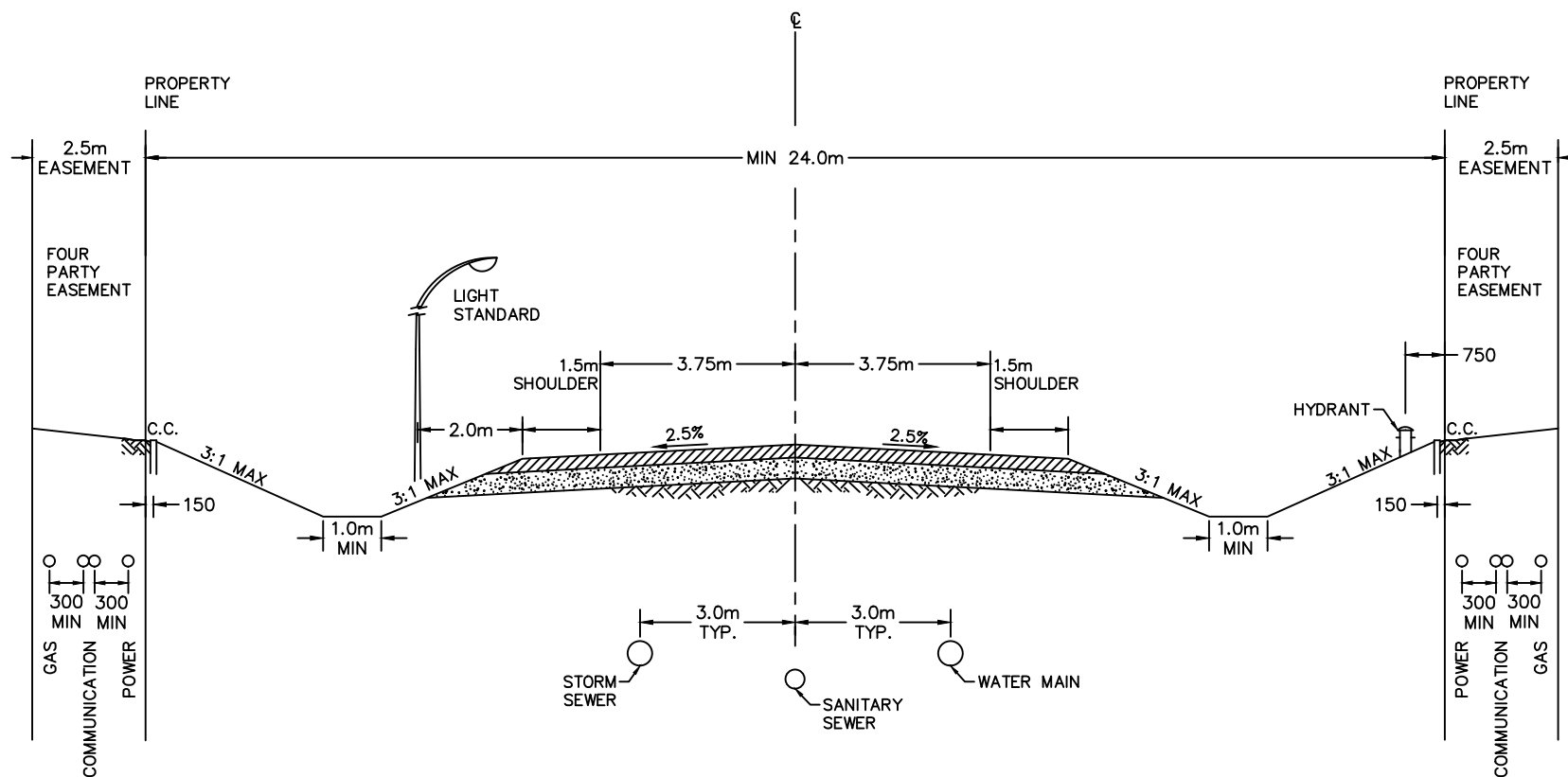


SECTION
N.T.S

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION UCU-60.
3. SEPARATE SIDEWALK IS OPTIONAL IN LIEU OF MONOLITHIC SIDEWALK

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
				APPROVED BY:
		DATE: SEP. 2020	ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE: N.T.S.	10.5m RURAL INDUSTRIAL COLLECTOR STREET SECTION	DRAWING NO. 5.15
NO.	DATE	REVISION		

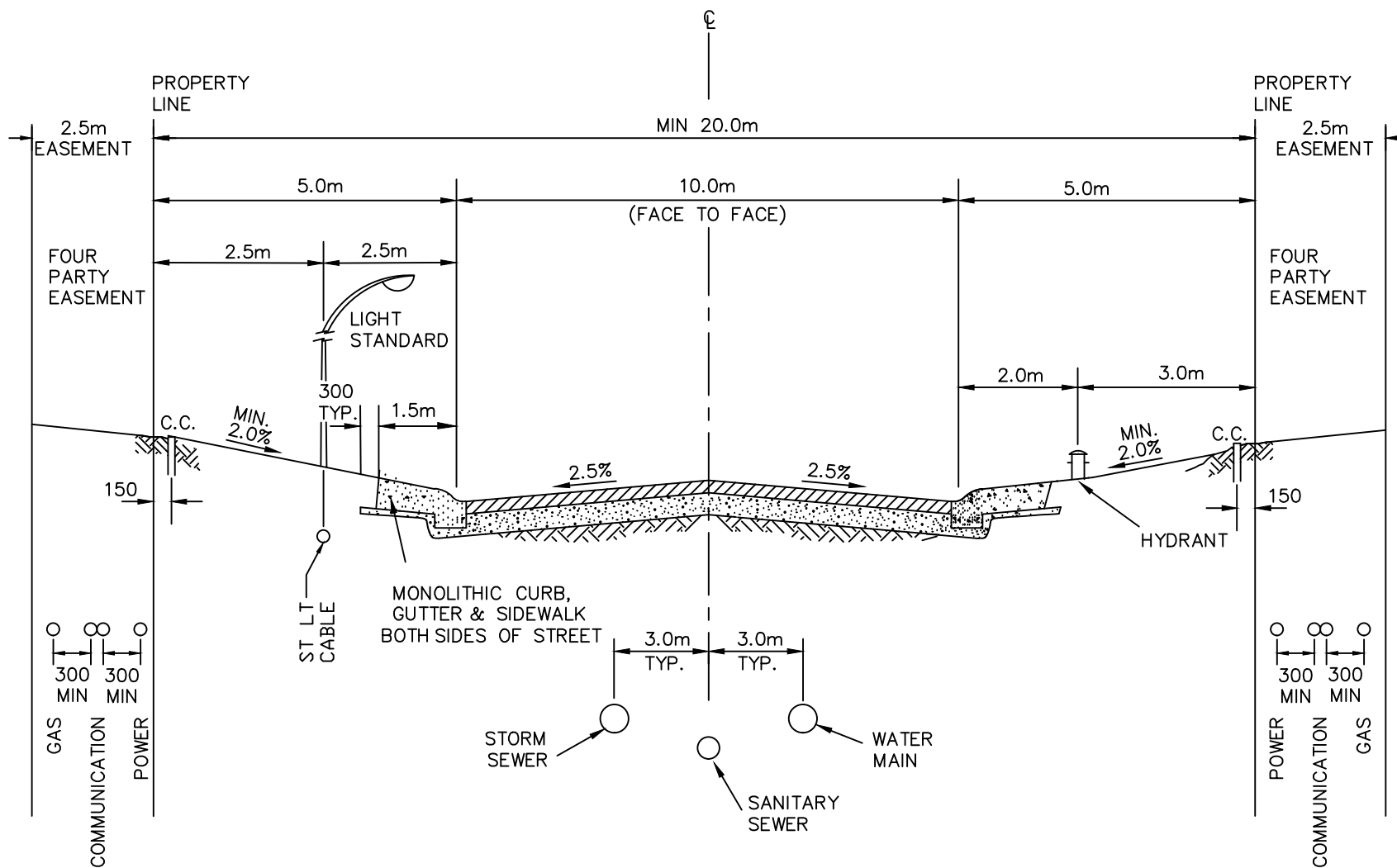


SECTION
N.T.S

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION RCU-60.

				CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
				DATE:	APPROVED BY:
			JAN. 2003	ACAD - CIVIL DRAFTING STANDARD DETAILS	
2	SEP. 2020	FOUR PARTY TRENCH EASEMENT			DRAWING NO.
1	JAN 31, 2007	DRAWING NUMBER AND STREET WIDTH			5.16
NO.	DATE	REVISION	SCALE: N.T.S.	10.0m RESIDENTIAL STREET SECTION WITH MONO SIDEWALK	

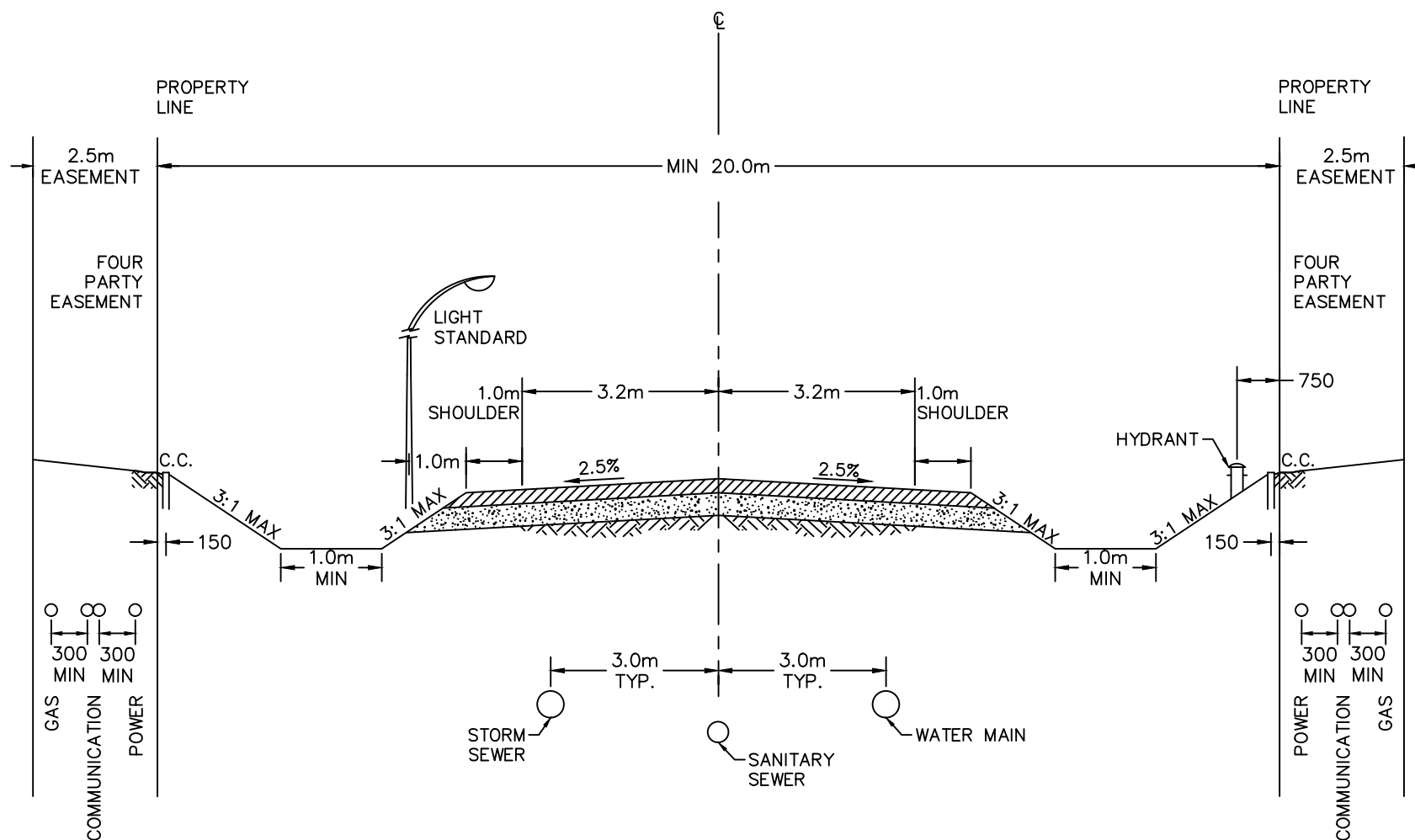


SECTION
N.T.S

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION ULU-50.
3. SEPERATE SIDEWALK IS OPTIONAL IN LIEU OF MONOLITHIC SIDEWALK

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
		DATE:		APPROVED BY
		SEP. 2020	ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE:		DRAWING NO.
		N.T.S.	9.0m RESIDENTIAL RURAL LOCAL STREET SECTION	5.17
NO.	DATE	REVISION		

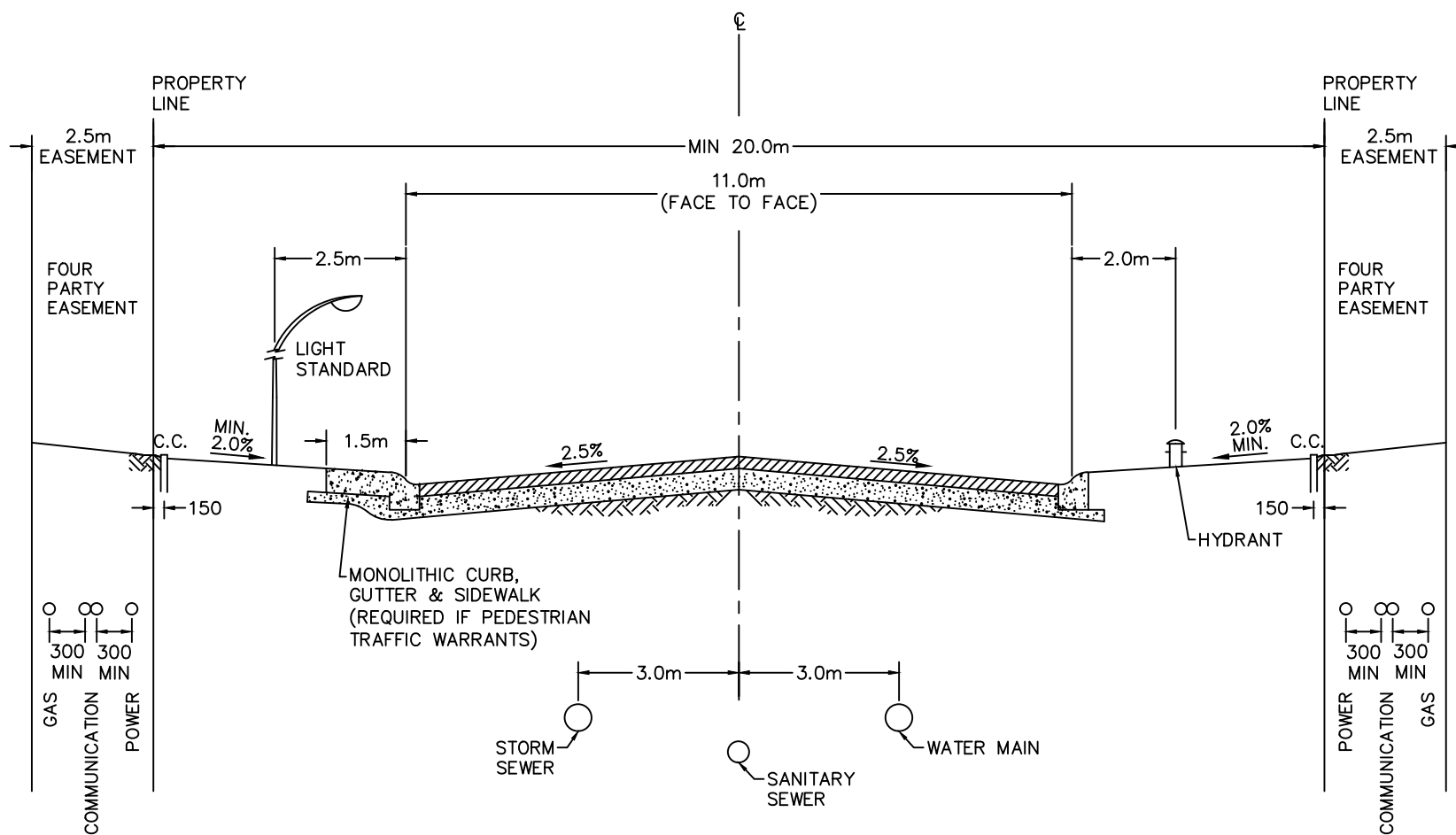


SECTION
N.T.S

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION RLU-50.

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT	
		DATE:		APPROVED BY
		SEP. 2020	ACAD - CIVIL DRAFTING STANDARD DETAILS	
		SCALE:		DRAWING NO.
		N.T.S.	11.0m INDUSTRIAL URBAN LOCAL STREET SECTION	5.18
NO.	DATE	REVISION		

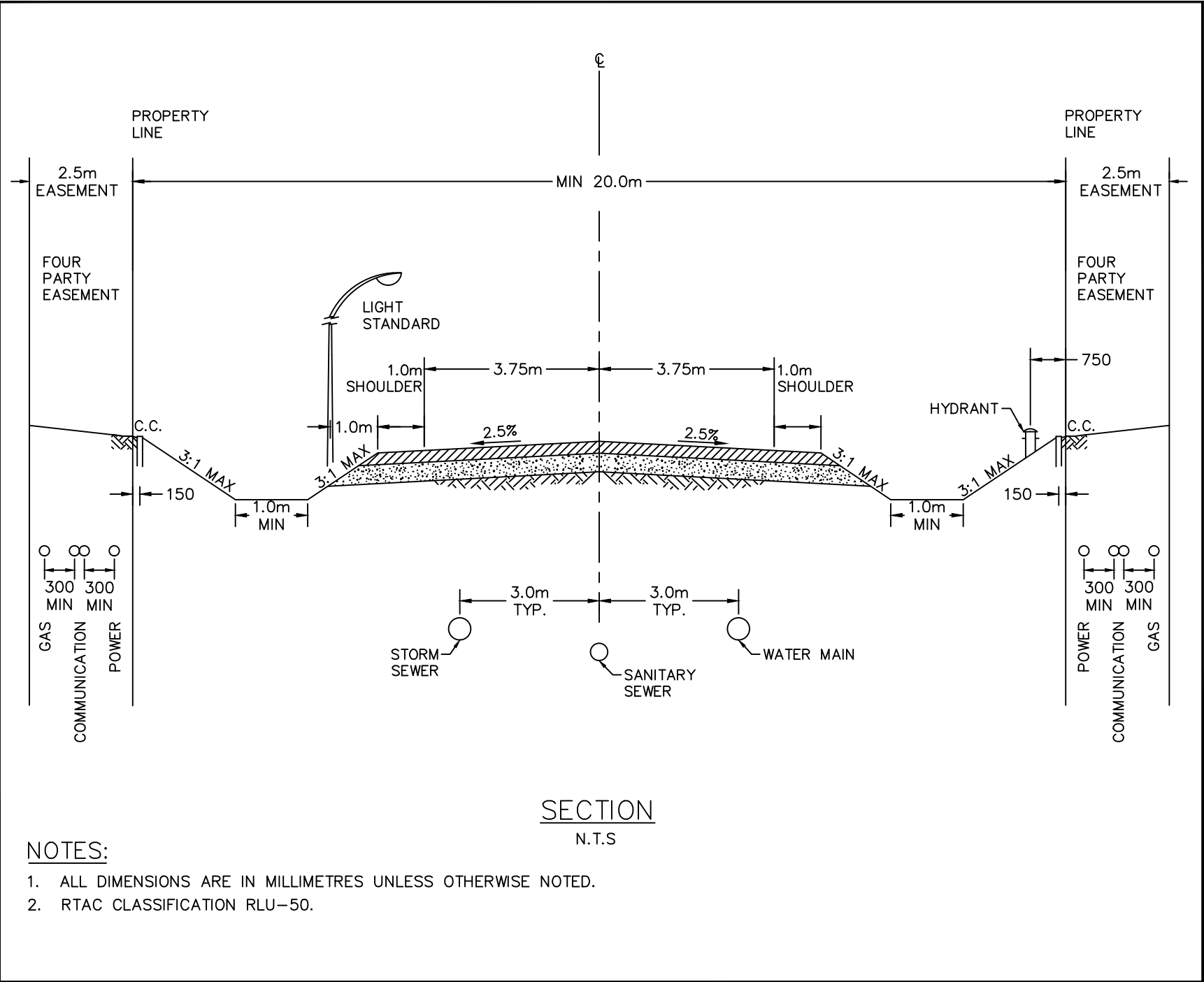


SECTION
N.T.S

NOTES:

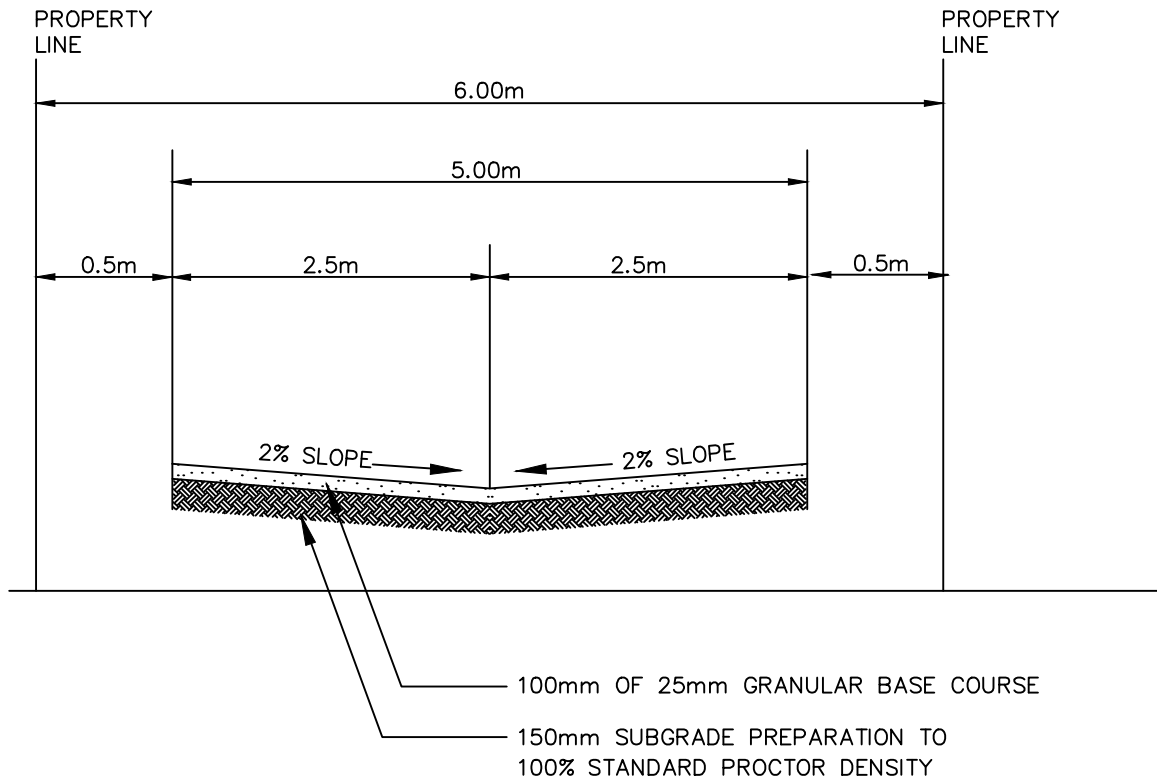
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. RTAC CLASSIFICATION ULU-50.
3. SEPARATE SIDEWALK IS OPTIONAL IN LIEU OF MONOLITHIC SIDEWALK

NO.	DATE	REVISION	DATE:	SEP. 2020	ACAD - CIVIL DRAFTING	APPROVED BY:
			SCALE:	N.T.S.	STANDARD DETAILS	
					9.5m INDUSTRIAL RURAL LOCAL	
					STREET SECTION	
						DRAWING NO.
						5.19



SECTION
N.T.S

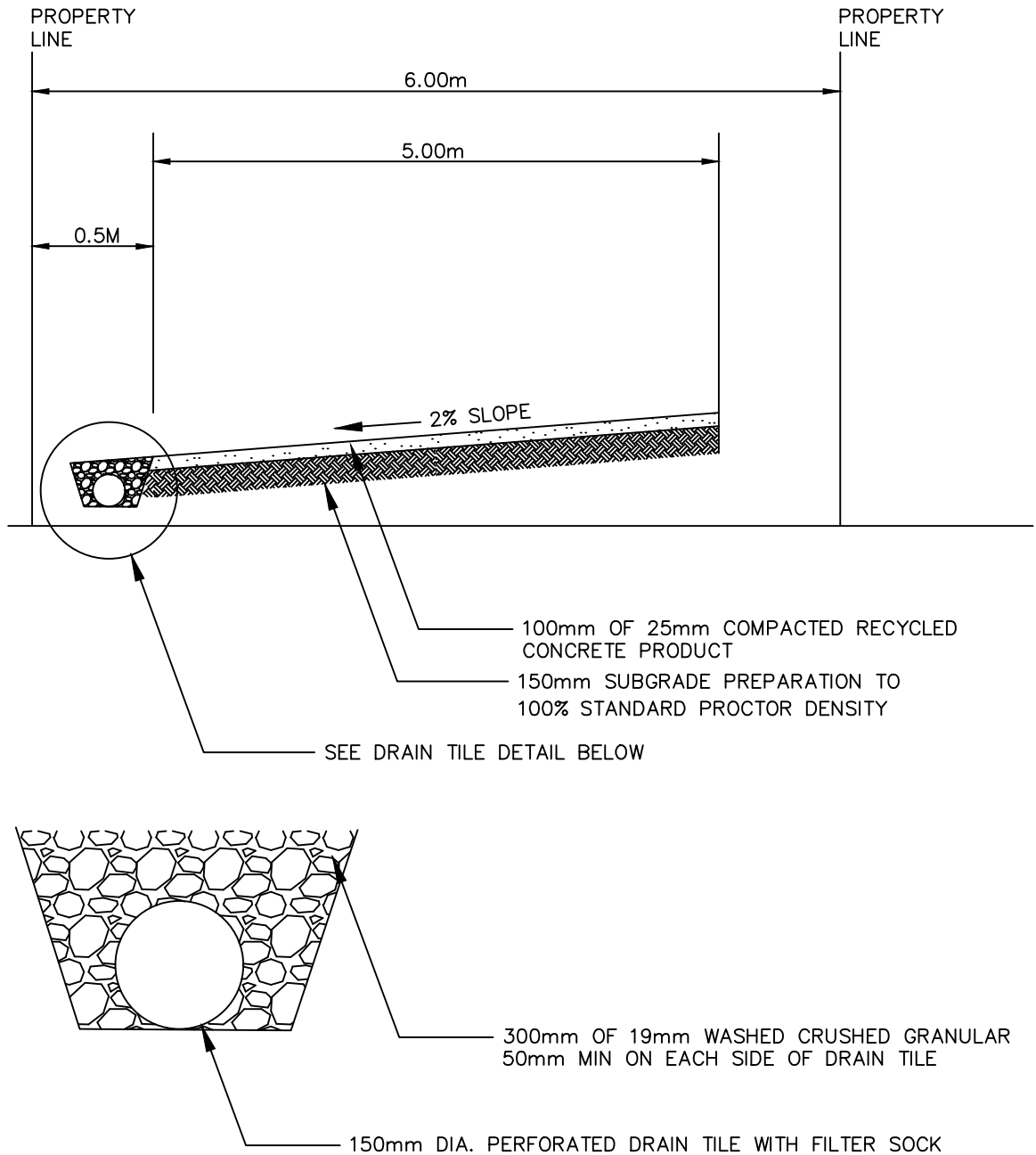
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
 2. RTAC CLASSIFICATION RLU-50.



NOTES:

1. MINIMUM LANE STRUCTURE. LANEWAY TO BE DESIGNED BASED ON SITE SPECIFIC SOIL CONDITIONS AND TRAFFIC LOADINGS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
3. EDGE OF LANES TO BE WRAPPED TO FIT DRIVEWAYS.

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:	5.0m	DRAWING NO.
			N.T.S.	RESIDENTIAL LANE	5.21
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



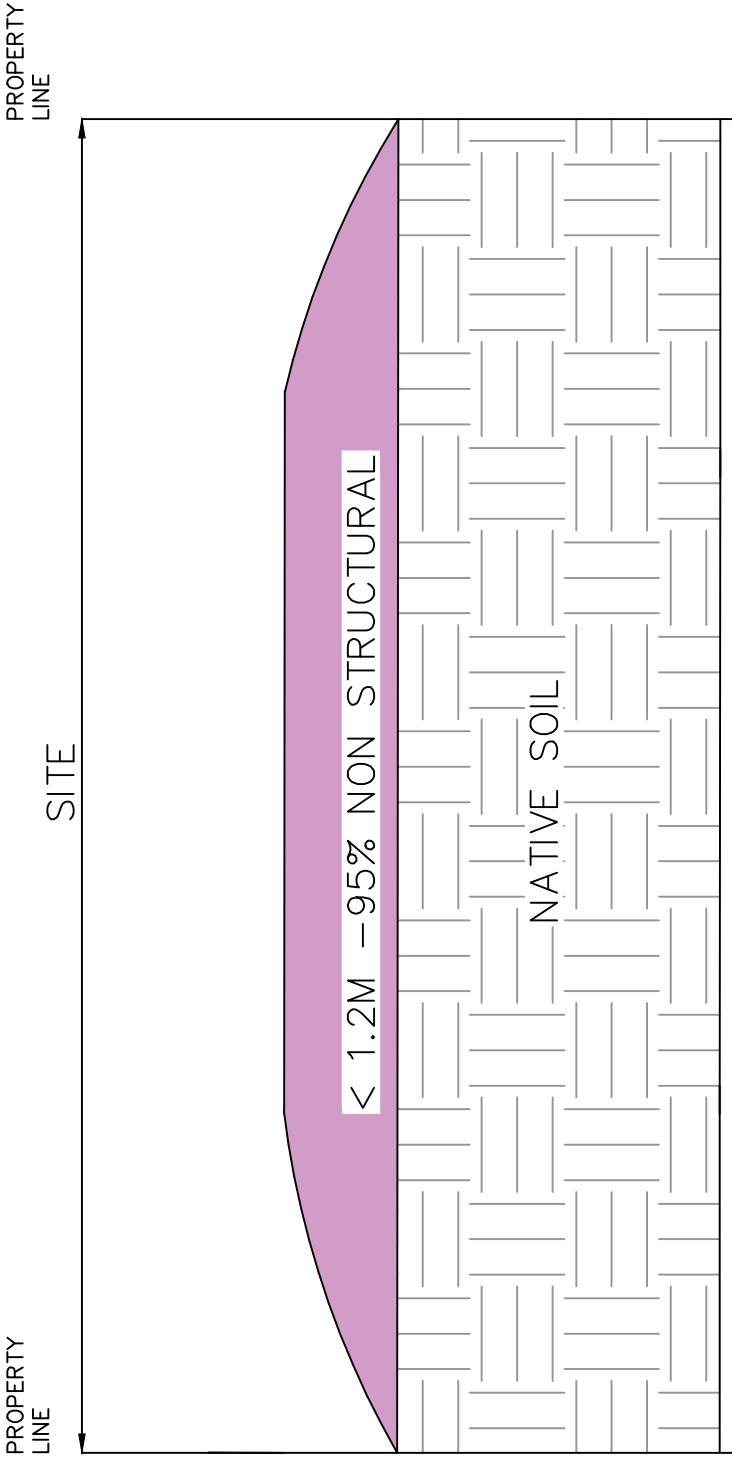
DRAIN TILE DETAIL

NOTES:

1. MINIMUM LANE STRUCTURE. ROADWAY TO BE DESIGNED BASED ON SITE SPECIFIC SOIL CONDITIONS AND TRAFFIC LOADINGS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

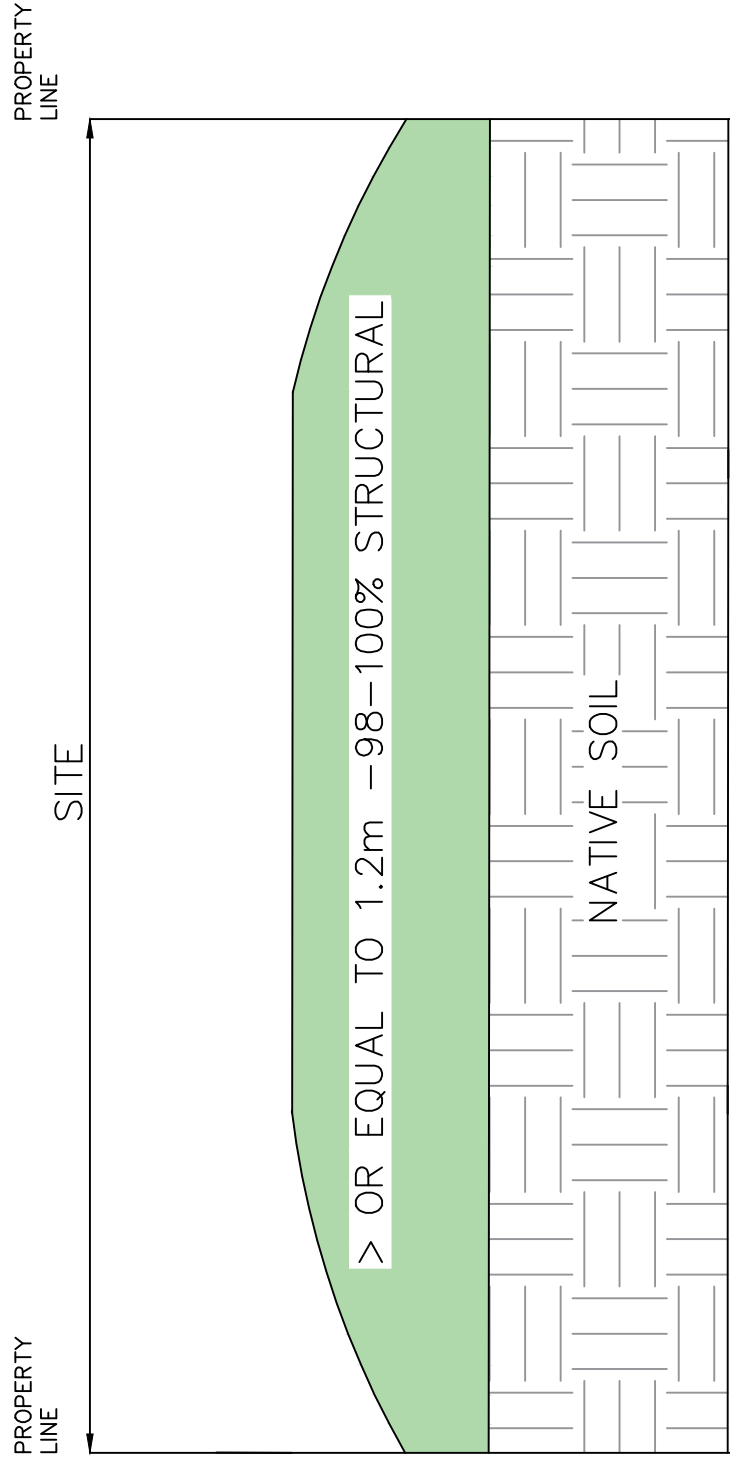
			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JULY 2006	STANDARD DETAILS	
			SCALE:	5.0m CROSS SLOPED RESIDENTIAL	DRAWING NO.
			N.T.S.	LANE WITH DRAIN TILE	5.22
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	SITE GRADING COMPACTION LESS THAN 1.2m NON STRUCTURAL	DRAWING NO.
1	NOV 16, 2017	DRAWING NUMBER	N.T.S.		5.23
NO.	DATE	REVISION			



SITE GRADING COMPACTION LESS THAN 1.2m – NON STRUCTURAL
N.T.S

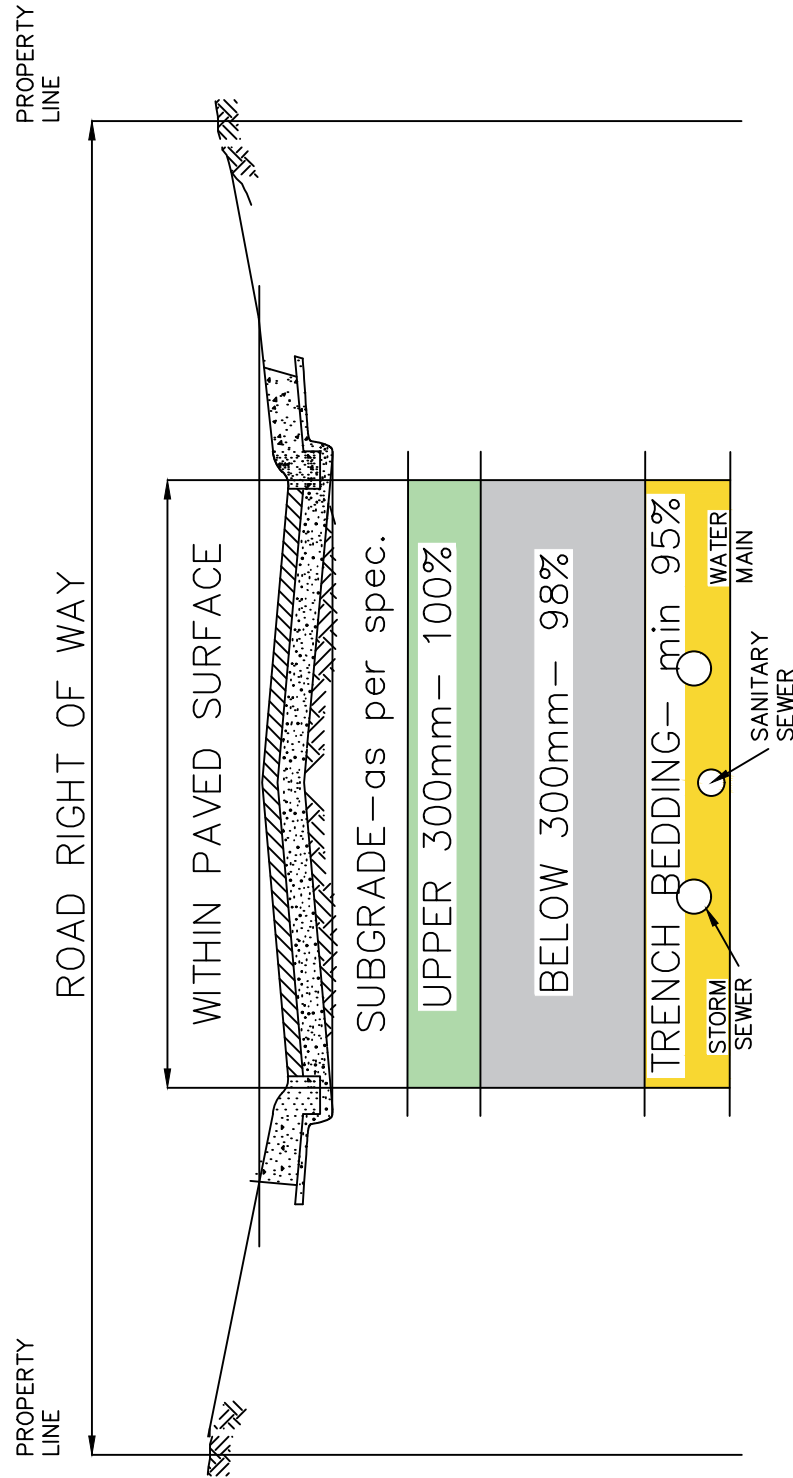
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	SITE GRADING COMPACTION GREATER THAN OR EQUAL TO 1.2m STRUCTURAL	DRAWING NO. 5.24
1	NOV 16, 2017	DRAWING NUMBER	N.T.S.		
NO.	DATE	REVISION			



SITE GRADING COMPACTION GREATER THAN OR EQUAL TO 1.2m- STRUCTURAL*

N.T.S

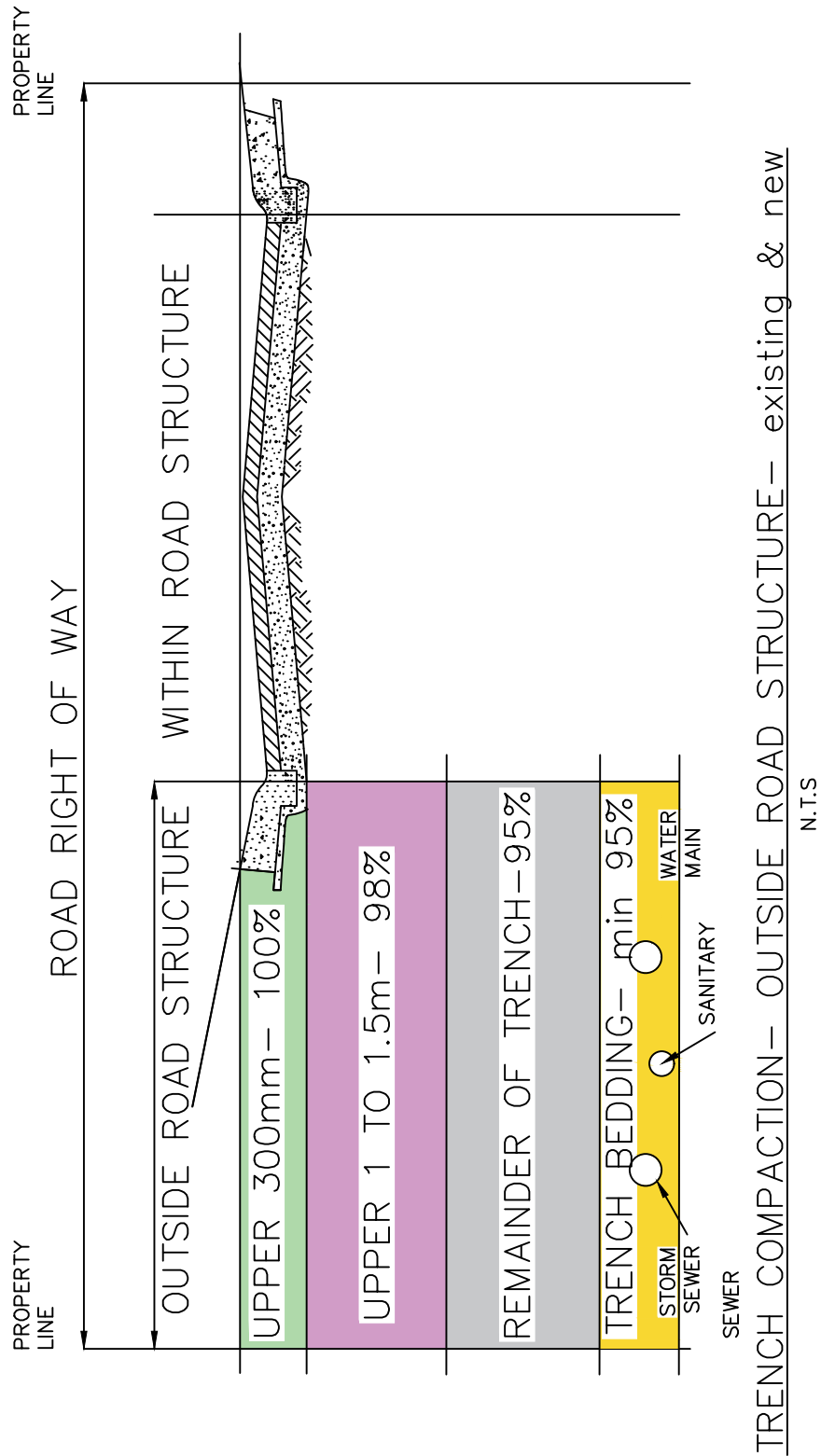
*ACTUAL SPECIFICATIONS SHOULD BE DETERMINED BY A GEOTECHNICAL ENGINEER

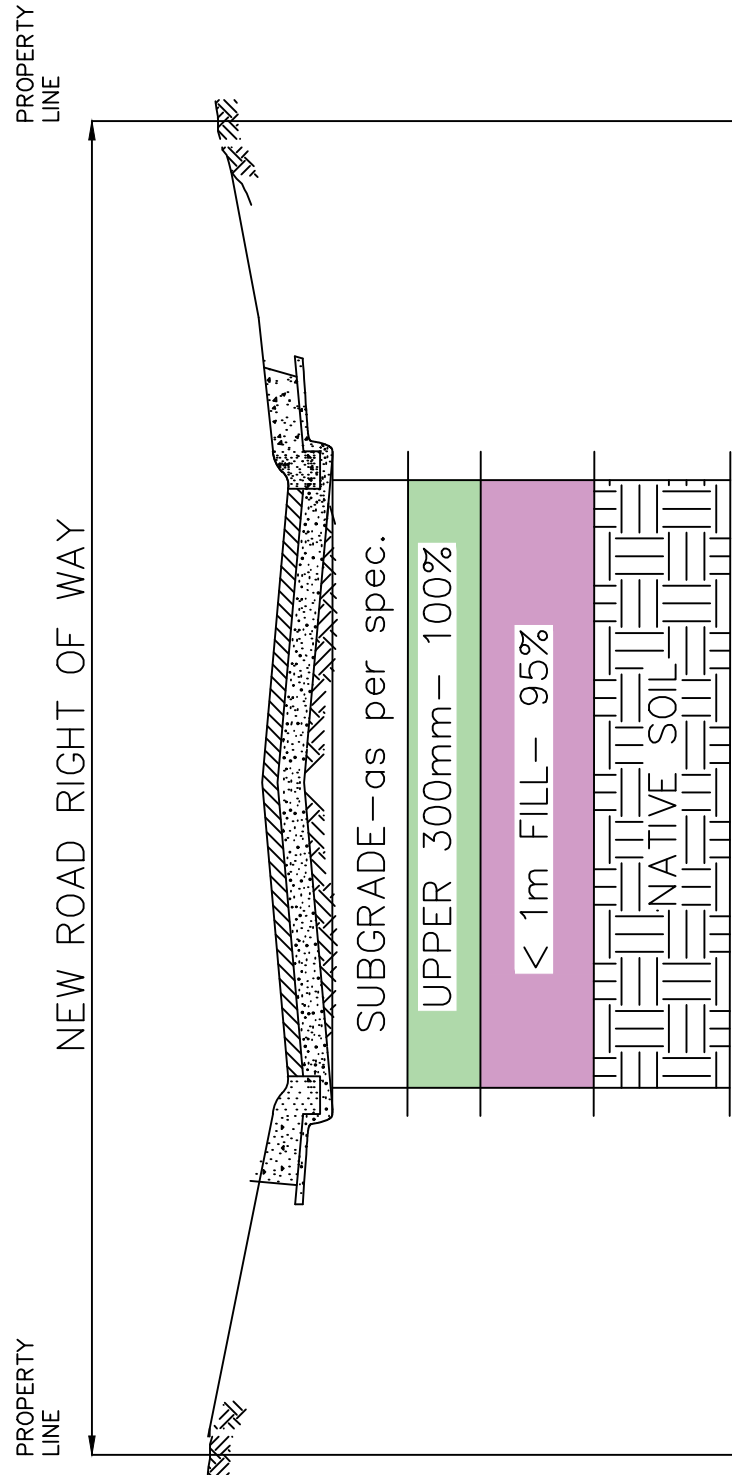


TRENCH COMPACTION— WITHIN ROAD STRUCTURE— existing & new
N.T.S

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	TRENCH BACKFILL WITHIN ROADS	DRAWING NO.
			N.T.S.		5.25
1	NOV 17, 2017	DRAWING NUMBER			
NO.	DATE	REVISION			

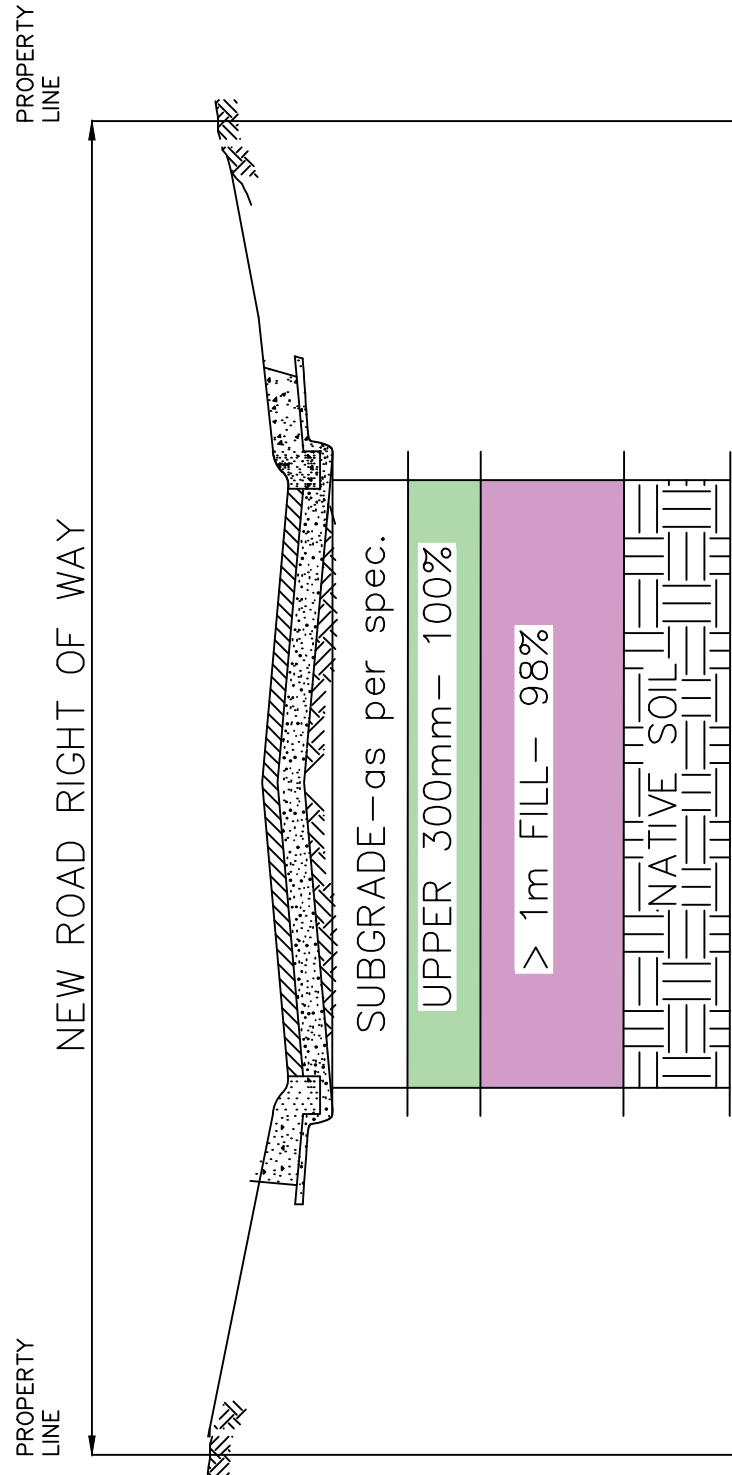
			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	TRENCH BACKFILL OUTSIDE ROADS	DRAWING NO.
			N.T.S.		5.26
1	NOV 17, 2017	DRAWING NUMBER			
NO.	DATE	REVISION			





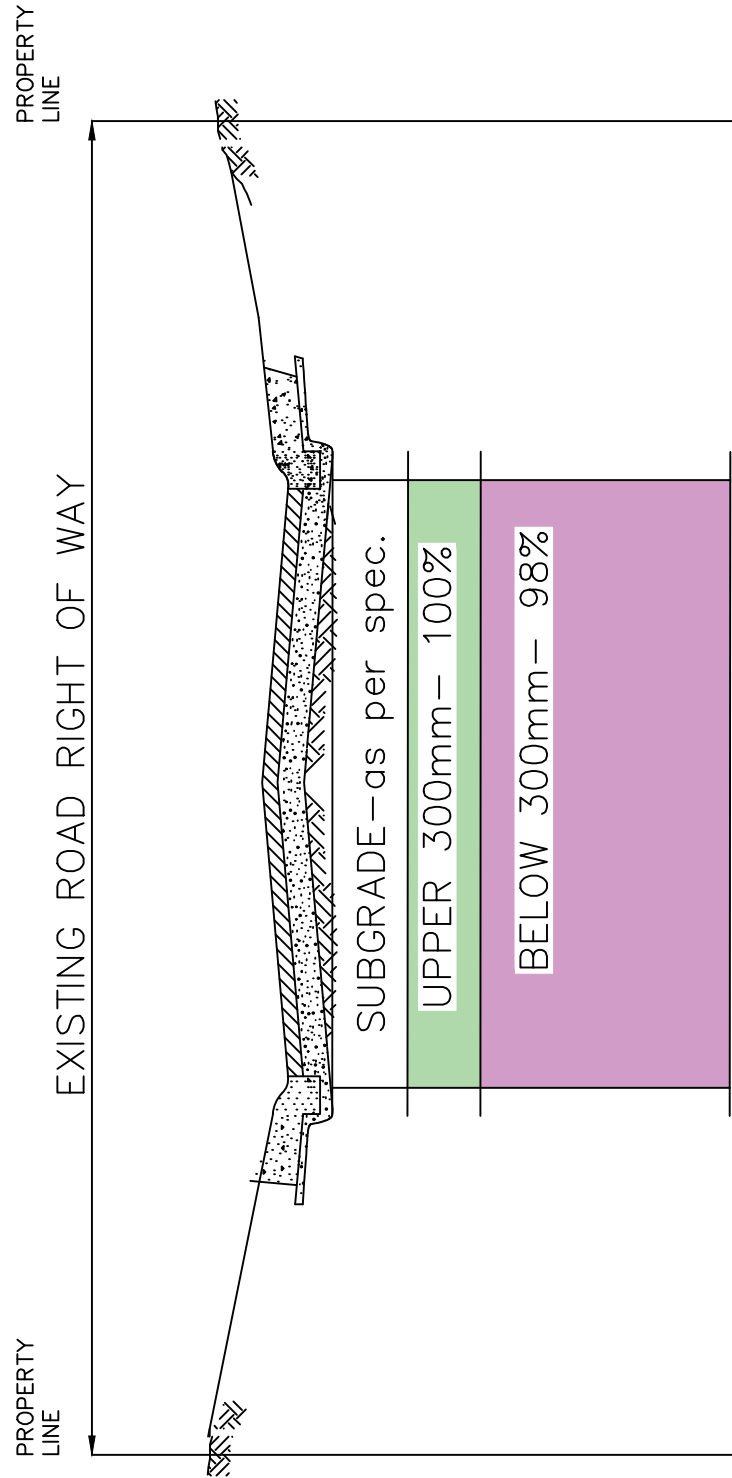
ROADWAY EMBANKMENT COMPACTION - NEW ROAD - < 1m FILL
N.T.S

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	EMBANKMENT COMPACTION NEW ROADS LESS THAN 1m FILL	DRAWING NO.
			N.T.S.		5.27
1	NOV 17, 2017	DRAWING NUMBER			
NO.	DATE	REVISION			



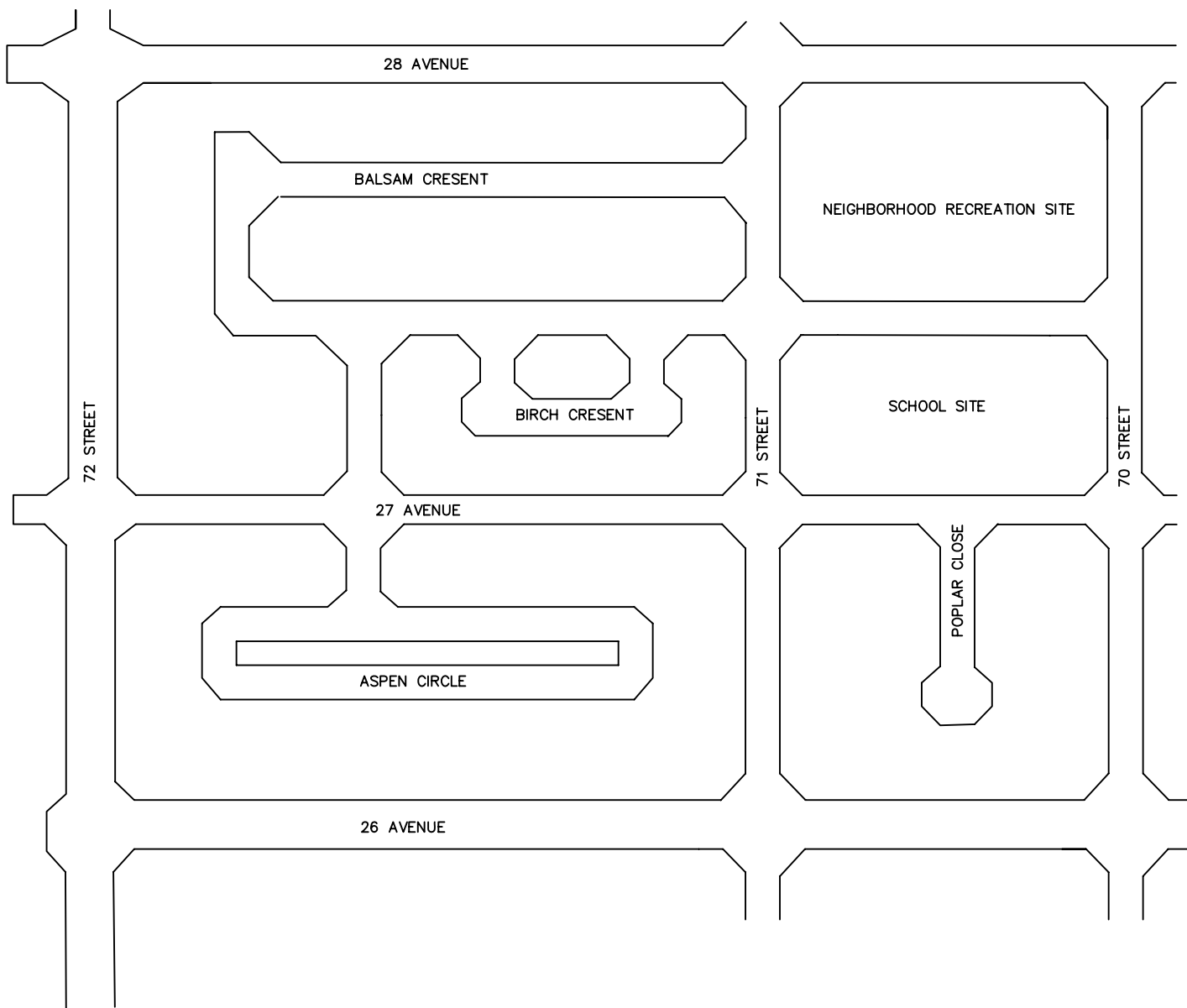
ROADWAY EMBANKMENT COMPACTION - NEW ROAD - > 1m FILL
N.T.S

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	EMBANKMENT COMPACTION NEW ROADS GREATER THAN 1m FILL	DRAWING NO.
			N.T.S.		5.28
1	NOV 17, 2017	DRAWING NUMBER			
NO.	DATE	REVISION			



ROADWAY EMBANKMENT COMPACTION— EXISTING ROAD
N.T.S

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2017		
			SCALE:	EMBANKMENT COMPACTION NEW EXISTING ROADS	DRAWING NO.
			N.T.S.		5.29
1	NOV 17, 2017	DRAWING NUMBER			
NO.	DATE	REVISION			



NOTE:

BACKGROUND OF SIGN TO BE PAINTED BEIGE

ROAD AREAS AND FEATURE NAMES TO BE PAINTED BROWN

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2006		
			SCALE:	SAMPLE SUBDIVISION MAP SIGN	DRAWING NO.
			N.T.S.		
1	JAN 31, 2007	DRAWING NUMBER			6.01
NO.	DATE	REVISION			

SUBDIVISION NAME

DEVELOPERS CORPORATE NAME
TELEPHONE NUMBER
SUBDIVISION SERVICING AND LOT SALES
INFORMATION

CITY OF COLD LAKE FACILITIES AND PUBLIC
WORKS DEPARTMENT
639-3776
FACILITIES, UTILITIES ROADWAY MAINTENANCE

CITY OF COLD LAKE INFRASTRUCTURE SERVICES
594 4494
INFRASTRUCTURE, ROADWAYS

NORTHERN LIGHTS SCHOOL DIVISION
594-6838
INFORMATION REGARDING SCHOOLS

GENERAL INFORMATION SIGN

SUBDIVISION NAME

IN ACCORDANCE WITH THE APPROVED AREA
STRUCTURE PLAN, THIS SITE IS PROPOSED
TO BE THE SITE OF A PUBLIC ELEMENTARY
OF CATHOLIC ELEMENTARY SCHOOL

FOR MORE INFORMATION , PLEASE CONTACT
THE NORTHERN LIGHTS SCHOOL DIVISION AT
594 6838

FUTURE SCHOOL SITE SIGN

SUBDIVISION NAME

IN ACCORDANCE WITH
THE APPROVED OUTLINE
PLAN THIS SITE IS
PROPOSED TO BE A
NEIGHBORHOOD
RECREATION PARK.

FOR ADDITIONAL
INFORMATION PLEASE
CONTACT THE PLANNING
AND DEVELOPMENT
DEPARTMENT AT
594-4494

NEIGHBORHOOD RECREATION SIGN

DETENTION POND

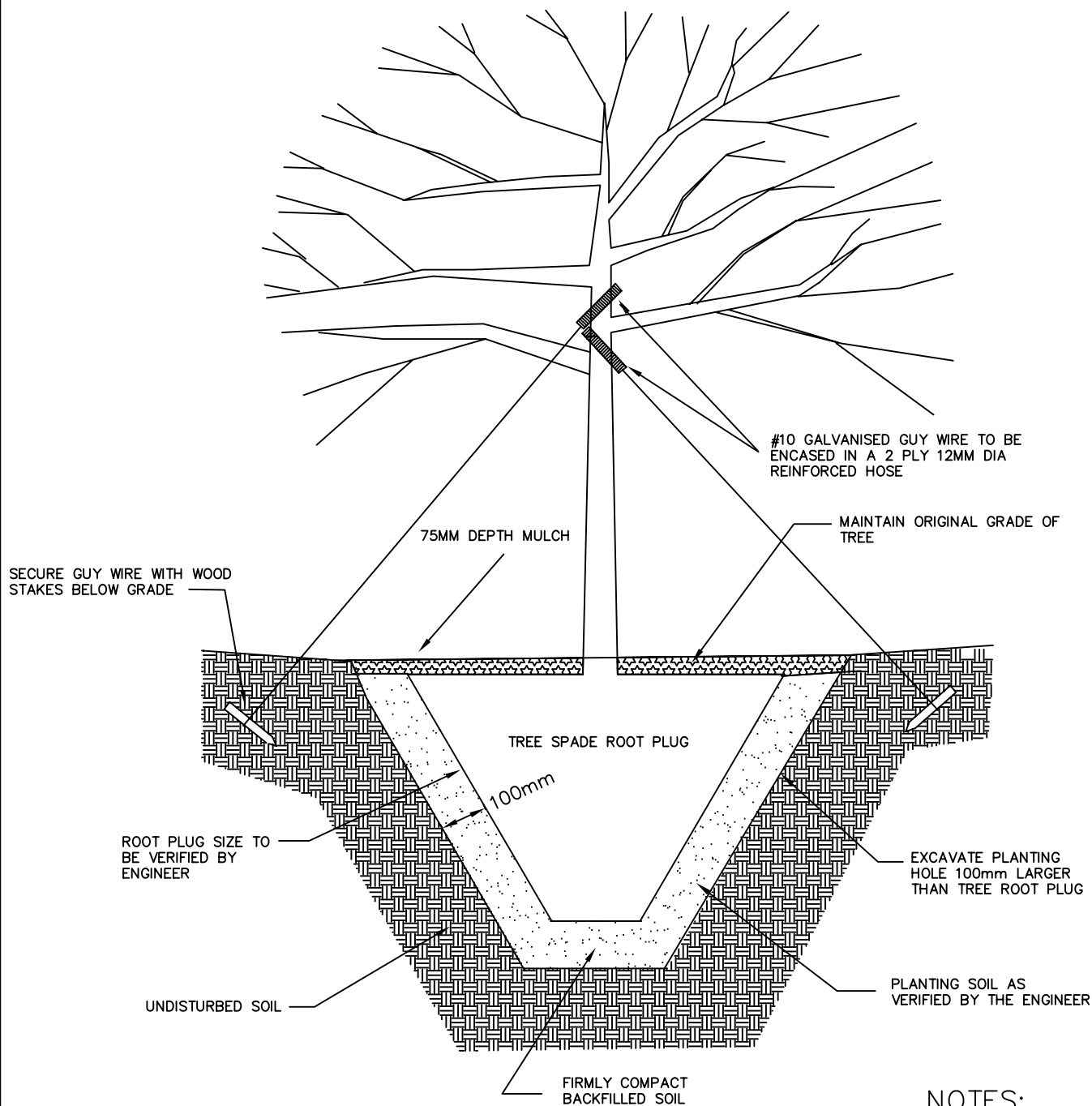
THIS AREA CONTAINS A STORM
WATER DETENTION POND.DURING
HEAVY RAINFALLS, STORMWATER
FLOWS INTO THIS FACILITY THEN
DRAINS AS RAINFALL DECREASES.

PLEASE KEEP CLEAR OF THIS
AREA DURING RAINFALLS AS WATER
LEVELS MAY INCREASE RAPIDLY

FOR FURTHER INFORMATION
CONTACT;
THE CITY OF COLD LAKE PUBLIC
WORKS DEPARTMENT AT 639-3776

STORM DETENTION POND WARNING SIGN

			CITY OF COLD LAKE PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JULY 2006		
			SCALE:	SAMPLE INFORMATION SIGN	DRAWING NO. 6.02
2	MAY 9, 2016	TITLE CHANGE	N.T.S.		
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			

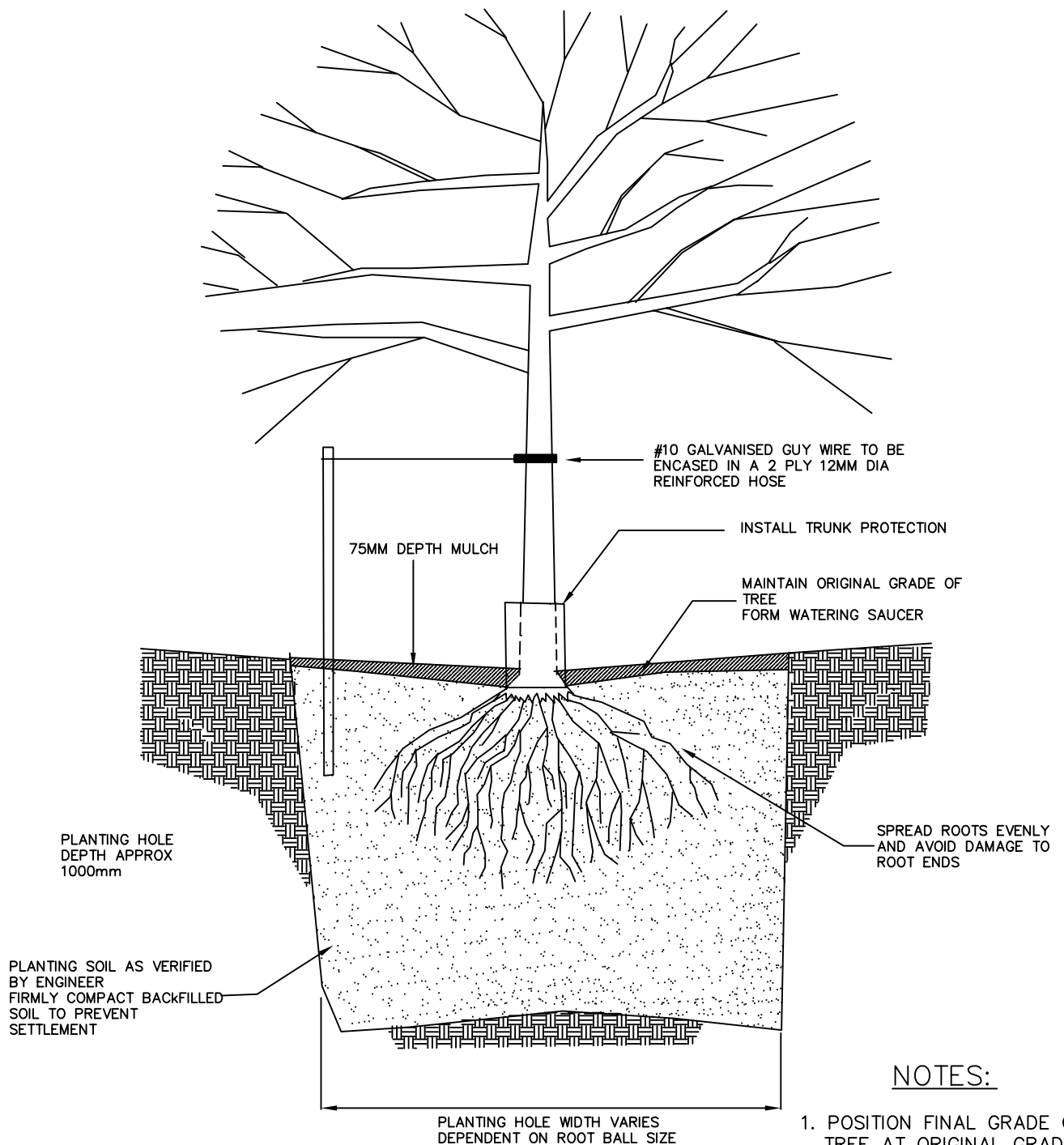


NOTES:

1. POSITION FINAL GRADE OF TREE AT ORIGINAL GRADE
2. PRUNE BROKEN AND DISEASED BRANCHES
3. WATER THOROUGHLY AFTER PLANTING
4. THIS DETAIL APPLIES TO DECIDUOUS AND CONIFEROUS TREES

SECTION

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:		
			N.T.S.	TREE SPADE DETAIL	DRAWING NO.
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			
					7.01

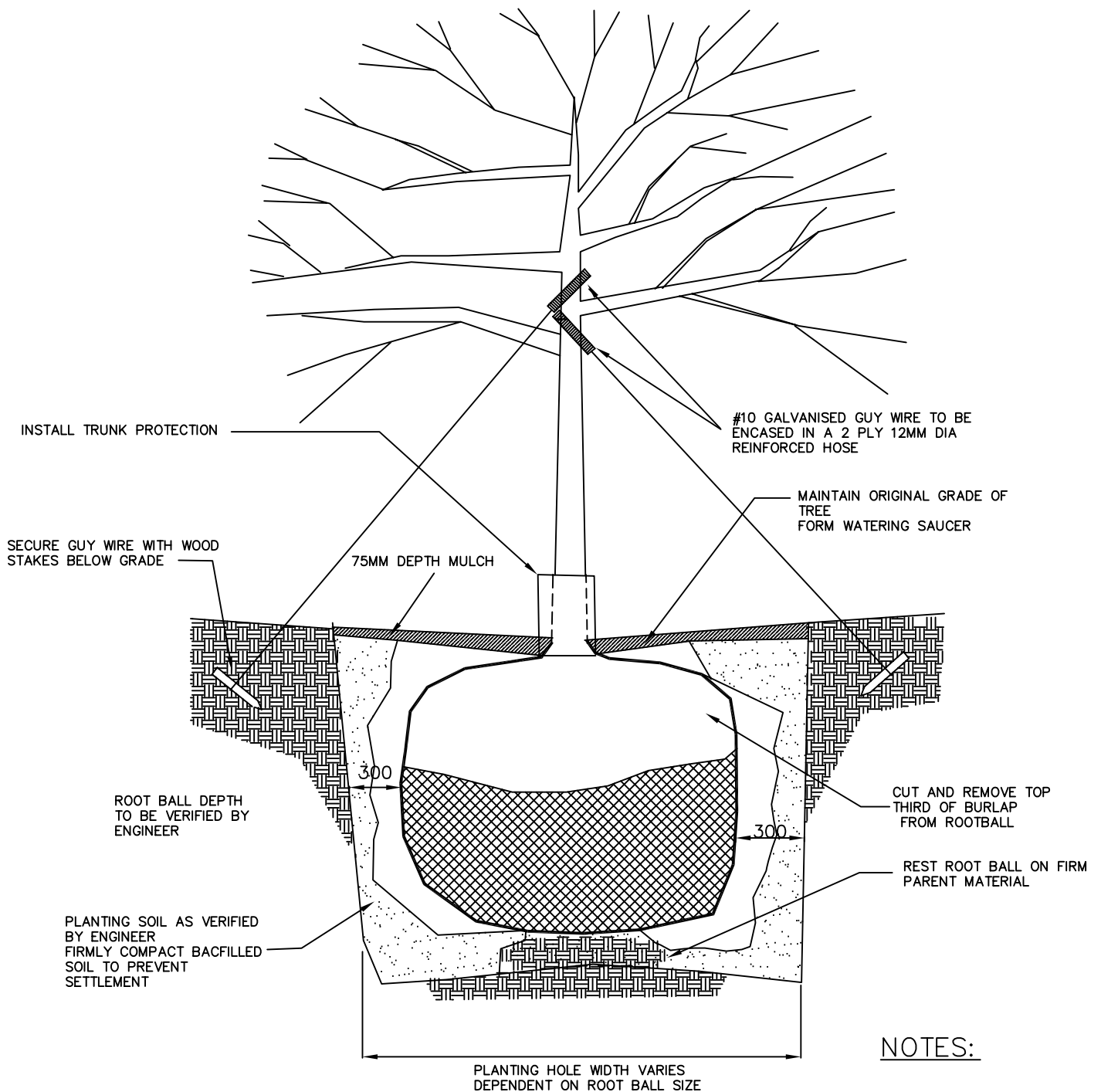


SECTION

NOTES:

1. POSITION FINAL GRADE OF TREE AT ORIGINAL GRADE
2. PRUNE BROKEN AND DISEASED BRANCHES
3. WATER THOROUGHLY AFTER PLANTING
4. THIS DETAIL APPLIES TO DECIDUOUS AND CONIFEROUS TREES
5. USE FOR TREES 25–38mm CALIPER

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING STANDARD DETAILS	APPROVED BY:
			JAN. 2003		
			SCALE:	BARE ROOT TREE DETAIL	DRAWING NO. 7.02
			N.T.S.		
1	JAN 31, 2007	DRAWING NUMBER			
NO.	DATE	REVISION			



SECTION

1. POSITION FINAL GRADE OF TREE AT ORIGINAL GRADE
2. PRUNE BROKEN AND DISEASED BRANCHES
3. WATER THOROUGHLY AFTER PLANTING
4. THIS DETAIL APPLIES TO DECIDUOUS AND CONIFEROUS TREES

			CITY OF COLD LAKE		
			PUBLIC WORKS AND INFRASTRUCTURE DEPARTMENT		
			DATE:	ACAD - CIVIL DRAFTING	APPROVED BY:
			JAN. 2003	STANDARD DETAILS	
			SCALE:		DRAWING NO.
			N.T.S.	ROOT BALLED TREE	7.03
1	JAN 31, 2007	DRAWING NUMBER		PLANTING DETAIL	
NO.	DATE	REVISION			