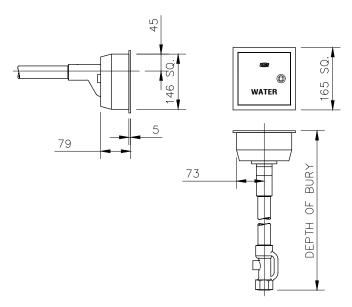
ALLOWABLE DISCHARGE DETERMINED BY THE ISOCHRONE METHOD								5	STORAGE REQUIREMENT							
C'ALLOWABLE = 0.10								NORTH								
Tc = 10 min							ISOCHRONE METHOD SUMMARY				ISOCHRONE METHOD SUMMARY					
A = 0.375 hg							CATCHMENT 0.214 hg				CATCHMENT 0.1					
QALLOWED = 0.011 m3/s							% IMPERVIOUS 43%			% IMPERVIOUS		13%				
quecomo							PEAK RUNOFF		0.117 m3/s		PEAK RUNOFF		0.087 m3			
2. SITE RUNOFF RESTRICTED								RUNOFF VOLUME 124 m3			RUNOFF VOLUME		89 m3			
Surface	CILD	Area (ha)	С	CA	% IMP				KONOTT VOLUME		124 1113		KONOTT VOLUME		09 1113	
Non-contributing			0.00	0.000	0%				REQUIRED STORA	CESEVE	84 m3		REQUIRED STORA	CESEVE	61 m3	
Controlled Roof			0.00	0.000	100%	C'-	0.42		TREGORED STORA	GEZOTA	04 III3		INEQUINED STOKA	GLZ51K	101 1113	
Grass Controlled Root		0.263	0.20	0.053	0%	Tc =	10 min		SURFACE STAGE STORAGE TABLE				SURFACE STAGE STORAGE TABLE			
Gravel		0.200	0.70	0.000	50%	i25 =	1842/(t+9)^0.842		Surface				Surface			
Sloped Roof		0.90	0.000	100%	125 =	154 mm/hr		ELEV	AREA	VOL.		ELEV	AREA	VOL.		
+		0.112		_	100%		-		(m)	(m2)	(m3)	\vdash	(m)	(m2)	(m3)	
Paved			0.95	0.106	30%	QPOST(25) =	0.375 ha 0.068 m3/s			1	0	\vdash		-	0	
Catchment Total		0.375	0.42	0.159	30%	QP031(23) =	0.066 m3/s		31.39	_	5	_	31.40	2 225	8	
3. RESTRICTED SITE DISCHARGE							31.50	131 362	29	<u> </u>	31.50	907	61			
								31.60 31.69	892	84	<u> </u>	31.60	907	61		
NORTH RESTRICTOR DIAMETER = 0.100 m								31.69	892	84	H			+		
RESTRICTOR DIAMETER = 0.100 m RESTRICTOR INVERT = 30.06 m										\vdash			+			
HWL25 = 31.69 m												_		-	+	
т		31.64 m														
HYDRAULIC HEAD =		0.05 m							RIM LEVEL =	31.39	m		RIM LEVEL =	31.40	m	
DISCHARGE COEFFICIENT =									HWL25 =	31.69	m		HWL25 =	31.60	m	
ONORTH=		0.005 m3/s							25 YR. VOL. =	84	m3		25 YR. VOL. =	61	m3	
	QITOR III		•						25 11. 402. =	0.7	IIIO		25 111. VOL. =	01	IIIO	
SOUTH							TOTAL AVAILABLE STORAGE									
RESTRICTOR DIAMETER = 0.100 m									NORTH	84 m3						
RESTRICTOR INVERT = 30.06 m									SOUTH	61 m3						
HWL25 = 31.6									TOTAL	145 m3					+	
Т	AILWATER =													I	-1	
HYDRAULIC HEAD = 0.06 m							6.	ADDITIONAL NOTES								
DISCHARGE COEFFICIENT = 0.60							INSTALL 100 mm RESTRICTORs IN THE OUTLETS OF CB2 AND CB3									
	QSOUTH=	0.005 m3/s														
. TOTAL SITE DISCHARG	GE TOTAL															
	QNORTH=	0.005 m3/s	,													
	QSOUTH=	0.005 m3/s														
		0.010 m3/s													1	

NOTES:

- 1. ALL UTILITIES ARE SHOWN AS INFORMATION ONLY. CONTRACTOR TO CONFIRM LOCATION OF ALL UTILITIES ON SITE PRIOR TO CONSTRUCTION.
- 2. CONTRACTOR TO STAKE OUT LOCATION OF ALL WORKS FOR APPROVAL BY CONTRACT ADMINISTRATOR PRIOR TO ANY CONSTRUCTION OR REMOVALS.
- 3. CONTRACTOR TO CONFIRM ALL DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS AS REQUIRED TO CONSTRUCT ALL WORKS AS SHOWN ON PLANS AND DETAILS. ALL ITEMS TO BE REMOVED MUST BE DISPOSED OF LEGALLY OFF SITE.
- 5. DURING CONSTRUCTION, CONTRACTOR TO PROTECT, TO CITY OF WINNIPEG STANDARDS ALL EXISTING TREES, SIDEWALKS, CURBS, SOD, UTILITIES, AND PAVING TO REMAIN. AREAS DAMAGED DURING CONSTRUCTION TO BE REPAIRED TO CITY OF WINNIPEG STANDARDS AT CONTRACTOR'S COST.
- 6. ALL WORK TO BE DONE IN ACCORDANCE WITH CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE NOTED.

- 7. CONTRACTOR TO REPAIR ALL ON AND OFF SITE SODDED AREAS, SHRUB BEDS, TREES, CONCRETE, ROAD PAVING AND CURBS ETC., DAMAGED DURING CONSTRUCTION TO CONTRACT ADMINISTRATOR'S SATISFACTION AND TO THE CITY OF WINNIPEG STANDARDS AT HIS/HER OWN COST.
- 8. REFER ALSO TO WRITTEN SPECIFICATIONS.
- ENSURE POSITIVE DRAINAGE ON PATHWAYS AND IN ADJACENT SODDED AREAS.
- 10. MAINTAIN EXISTING GRADE AND DRAINAGE PATTERNS WHERE POSSIBLE.
- 11. CONSTRUCTION ACCESS TO BE LIMITED TO THE ROUTES SPECIFIED ON SITE BY CONTRACT ADMINISTRATOR.
- 12. CONTRACTOR TO ADJUST GRADES OF ALL SERVICES WITHIN LIMIT OF WORK AS REQUIRED INCLUDING ALL MANHOLES, CATCH BASINS, FIRE HYDRANT, CURB STOPS, ETC.
- 13. SUITABLE GRANULAR BASE COURSE MATERIAL TO BE SALVAGED AND RE-USED AS INSTRUCTED BY CONTRACT ADMINISTRATOR.



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ZURN Z1361 GROUND HYDRANT HOSE BIBB CONNECTION BOX DETAIL N.T.S.

> 2018-04-27 111217600

ORIGINAL SHEET - ISO 11x17 - v17.05



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Legend



Certificate of Authorization Stantec Consulting Ltd. No. 1301



Notes

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED

) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPAN' STALLATIONS.

JEE PROVINCIAL REGULATION 140/92 FOR DETAILS Client/Projec

THE CITY OF WINNIPEG - GORD DONG PARK
348 PACIFIC AVENUE, WINNIPEG MB

Figure No.

C-501

GENERAL NOTES AND DETAIL