



REMOVE BARRIER CURB
 REMOVE PAVEMENT AND GRANULAR-BASE, AND BRING NEW BOULEVARD TO GRADE WITH IMPORTED FILL AND SOD
 CONSTRUCT NEW MONOLITHIC CONCRETE BULLNOSE (SD-227C)
 CONSTRUCT NEW 150mm CONCRETE REINFORCED PAVEMENT, CAPPED WITH 50mm ASPHALT OVERLAY

CAUTION GAS
 CYCLIST PUSH BUTTON
 TRAFFIC SIGNALS CONTROLLER
 TRAFFIC SIGNALS TO BE RELOCATED BY OTHERS

CONSTRUCT NEW BARRIER CURB (SD-205)
 MILL EXISTING ASPHALT AND OVERLAY WITH 50mm ASPHALT

REMOVE PAVEMENT AND GRANULAR BASE, AND BRING NEW BOULEVARD TO GRADE WITH IMPORTED FILL AND SOD

RECONSTRUCT BULLNOSE & CURB RAMPS, AND INSTALL DETECTABLE WARNING TILES

GENERAL NOTE: INSTALL DETECTABLE WARNING TILES AT ALL CORNERS OF GRANT AND HARROW INTERSECTION. RECONSTRUCT CURB RAMPS AND SIDE WALK TO ACCOMMODATE NEW TILES

PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) OBTAIN CLEARANCE FROM THE GAS UTILITY PRIOR TO EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS UTILITY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

GRANT & HARROW INTERSECTION IMPROVEMENT
 SCALE 1:150

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 121-2016

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
	HYDRANT			LDS/WWS			WATERMAIN	
	VALVE			GAS			TRAFFIC SIGNALS	
	CURB STOP			CONCRETE			ASPHALT	
	SURVEY BAR			CURB RENEWAL			ELEVATIONS	[231.000]
	O.L.S.			PROPERTY LINE			GEODETIC BENCH MARK	
	MANHOLE			CURB RAMP				
	CATCH BASIN							
	CURB INLET							
	HYDRO POLE							
	TRAFFIC SIGNAL POLE							
	SWALE							

LOCATION APPROVED UNDERGROUND STRUCTURES
 SUPR. U/G STRUCTURES COMMITTEE DATE
 NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	HYDRO MANHOLE S.W CORNER SCOTLAND AVE AND HARROW ST. 232.320	DESIGNED BY	G.K.	CHECKED BY	S.M.
		DRAWN BY	G.K.	APPROVED BY	
		2. SUBMIT FOR ENGINEERS REVIEW	16/04/01	G.K.	
		1. SUBMIT FOR PLAN APPROVAL	16/02/02	G.K.	
		NO. REVISIONS	DATE	BY	DATE

ENGINEERING DIVISION
 TECHNOLOGY SERVICES BRANCH
 106 - 1155 PACIFIC AVE
 DESIGNED BY G.K. CHECKED BY S.M.
 DRAWN BY G.K. APPROVED BY
 HOR. SCALE: 2016/05/06
 VERTICAL:

ENGINEER'S SEAL

THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT
GRANT AND HARROW INTERSECTION IMPROVEMENTS
 ASPHALT RESURFACING AND ASSOCIATED WORKS
 CITY DRAWING NUMBER SE-16-27
 SHEET 1 OF 1
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