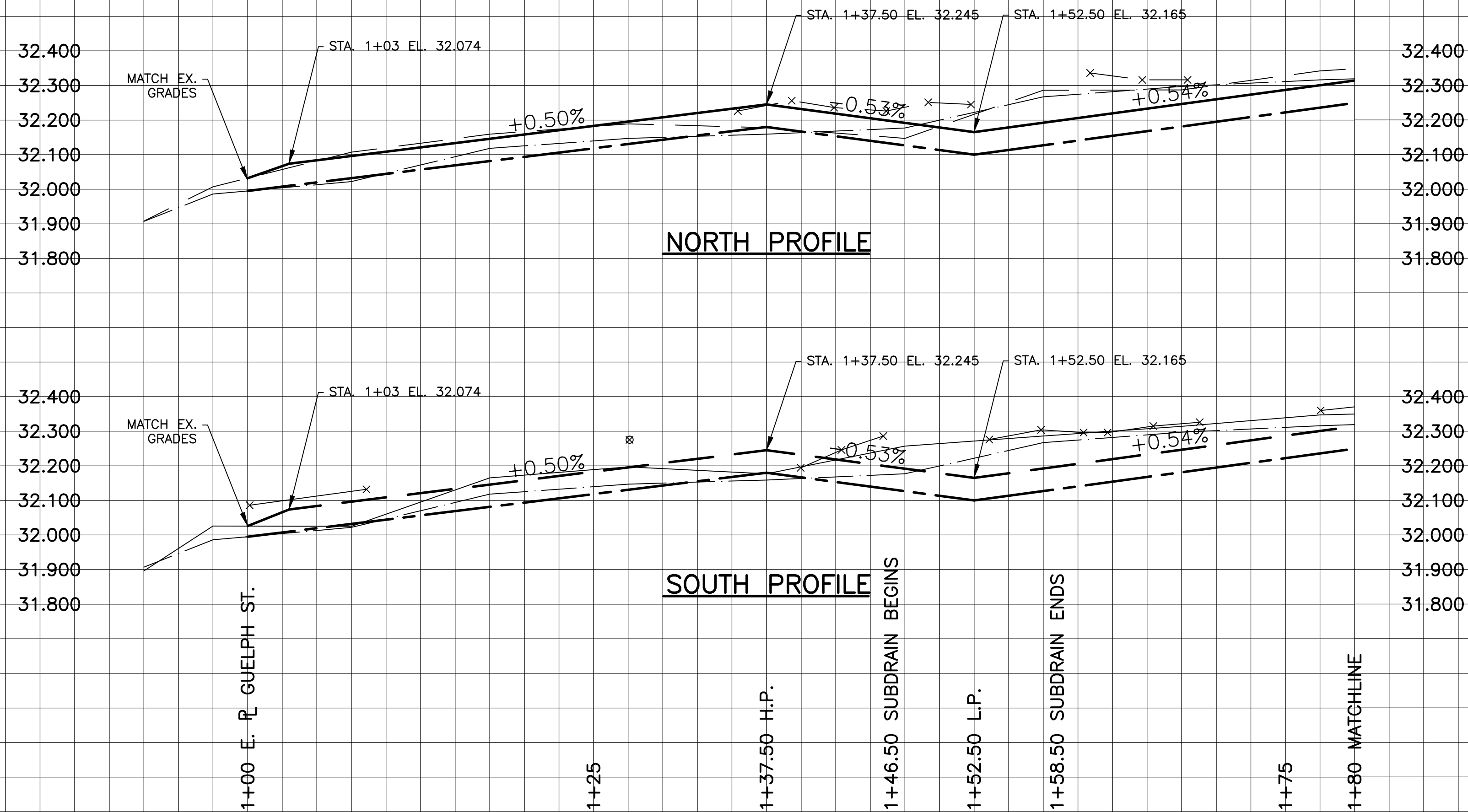
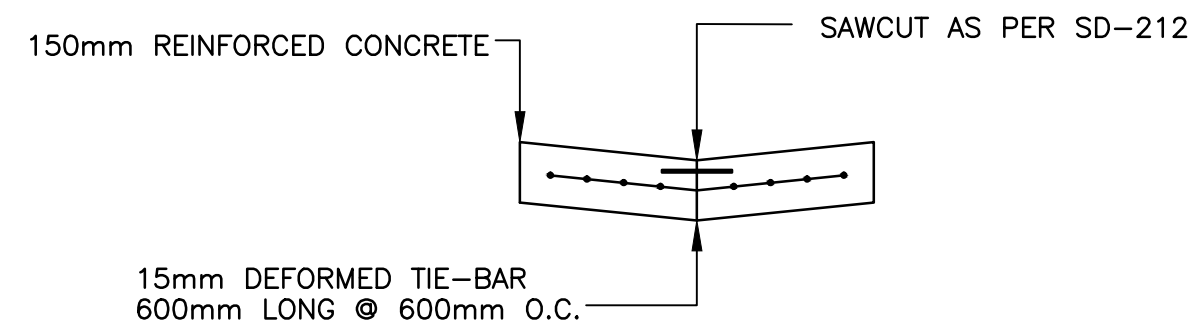
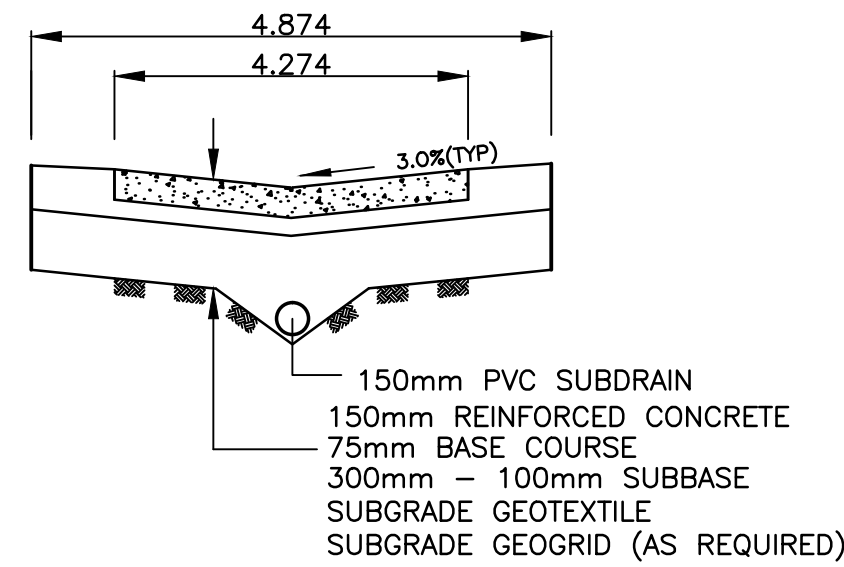




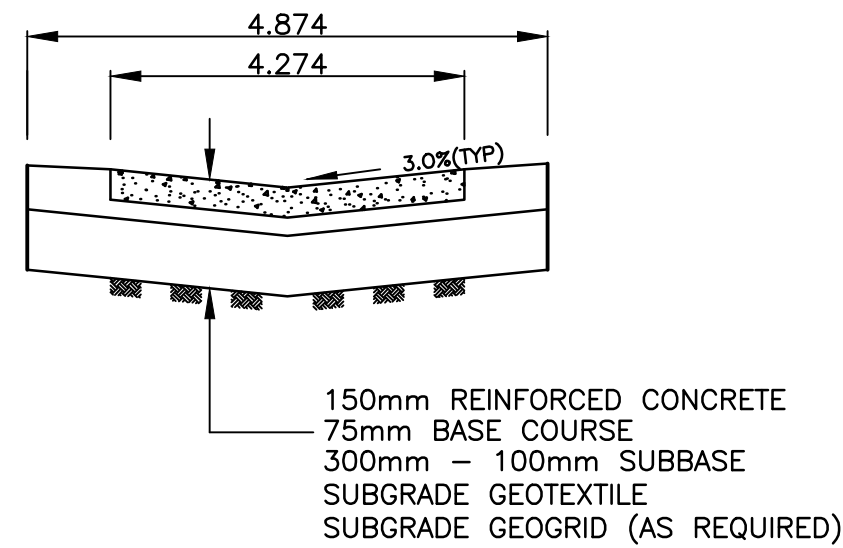
- NOTES:**
1. ISOLATE EXISTING HYDRO POLES AS DIRECTED BY CONTRACT ADMINISTRATOR
 2. RENEW EXISTING APPROACHES AS DIRECTED BY CONTRACT ADMINISTRATOR
 3. EXTEND SUBDRAINS AS DIRECTED BY CONTRACT ADMINISTRATOR
 4. ADDITIONAL EXCAVATION AND INSTALLATION OF SUBGRADE GEOGRID TO BE DETERMINED BY CONTRACT ADMINISTRATOR



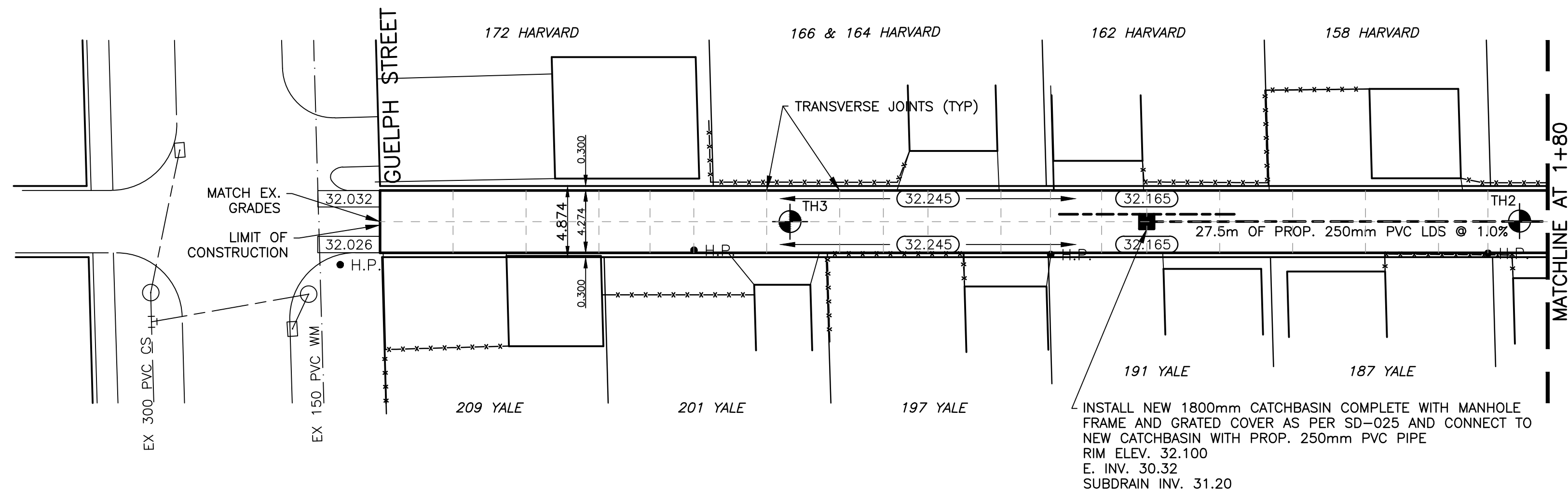
TYPICAL PAVEMENT CROSS SECTION
N.T.S.



TYPICAL ALLEY CROSS SECTION WITH SUBDRAIN
N.T.S.



TYPICAL ALLEY CROSS SECTION
N.T.S.



BENCHMARK:
N.W. COR. GROSVENOR AVE. & STAFFORD ST., BRASS PLUG
IN 8.2m CONC. PILE, 0.5m W. OF W.L. STAFFORD ST. &
2.1m S. OF N.L. GROSVENOR AVE.

INSTALL PVC SUBDRAIN BETWEEN
STA. 1+46.50 AND 1+58.50

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
	WATERMAIN			HYDRO			CENTER LINE	
	HYDRANT			M.T.S.			NORTH/WEST GUTTER	
	VALVE			CONCRETE			SOUTH/EAST GUTTER	
	LAND DRAINAGE SEWER			ASPHALT			WATERMAIN	
	MANHOLE			PROPERTY LINE			VALVE	
	CATCH BASIN			SURVEY BAR			LAND DRAINAGE SEWER	
	CURB INLET			CURB STOP			WASTE WATER SEWER	
	TRAFFIC SIGNAL			C.B. LEAD			TESTHOLE	
	STEAM HT.			SIDEWALK RAMP			GARAGE PAD	
	GAS			ELEVATIONS				

LOCATION APPROVED

SUPV. 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.

NO.	REVISIONS	DATE	BY
2	BID SUBMISSION	05/10	R.H.
1	APPROVAL SUBMISSION	04/10	R.H.

GENIVAR
10 PRAIRIE WAY WINNIPEG, MANITOBA R2J 3J8
PH: (204)-477-8650 FAX: (204)-474-2864

DESIGNED BY R.H.

CHECKED BY S.M.

DRAWN BY R.H.

APPROVED BY I.McK.

RELEASED FOR CONSTRUCTION

DATE APRIL 2010

ENGINEERS SEAL
I. G. MCKINNON
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
09-151-01

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2010 ALLEY RENEWALS
HARVARD / YALE ALLEY
LANE PAVEMENT
FROM GUELPH AVENUE
TO MATCHLINE AT STATION 1+80

CITY DRAWING NO.

SHEET 1 OF 2

390-2010