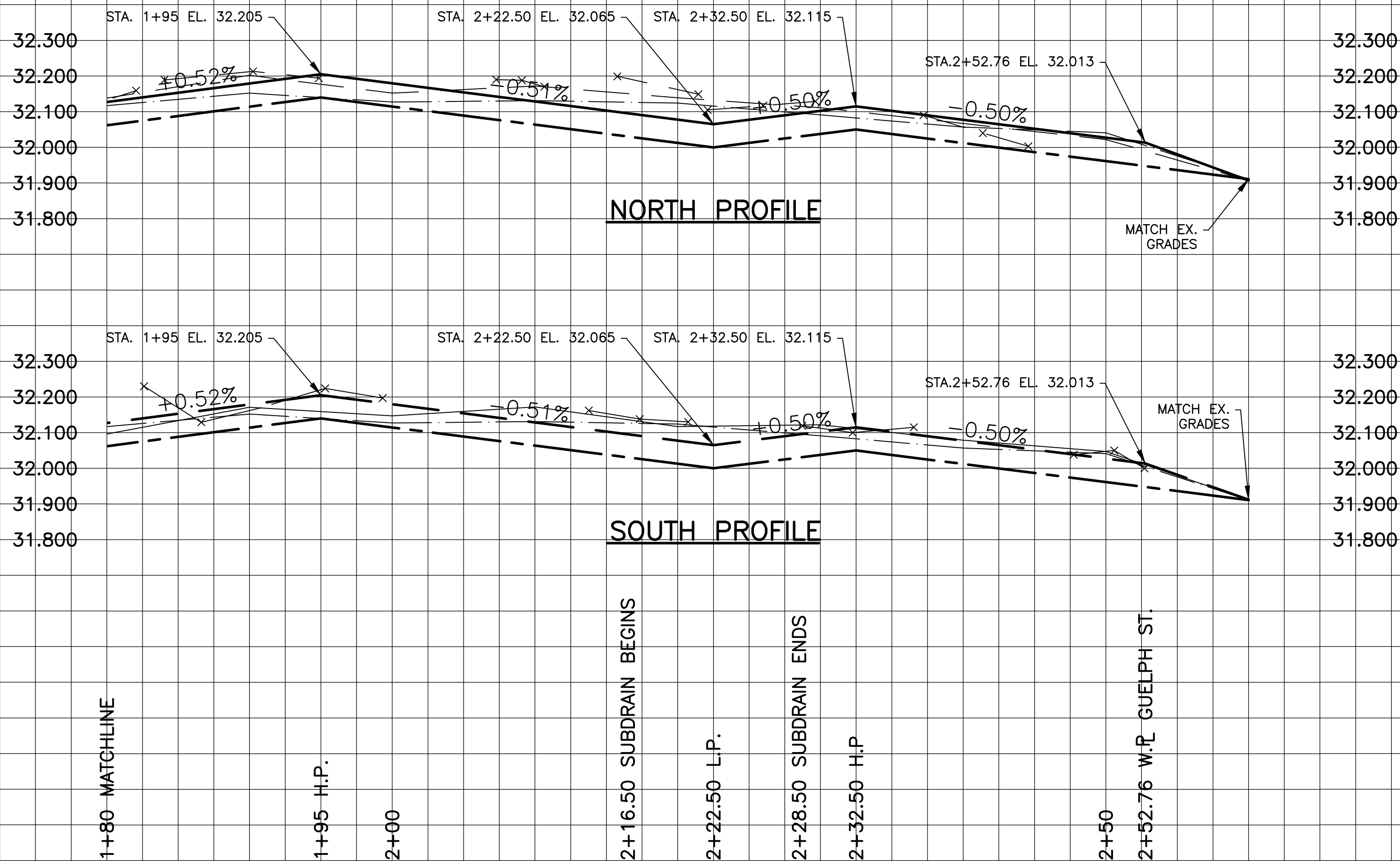
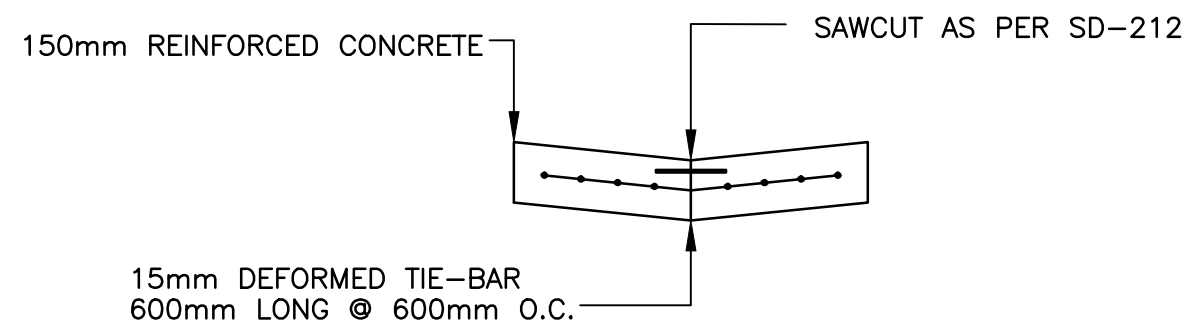


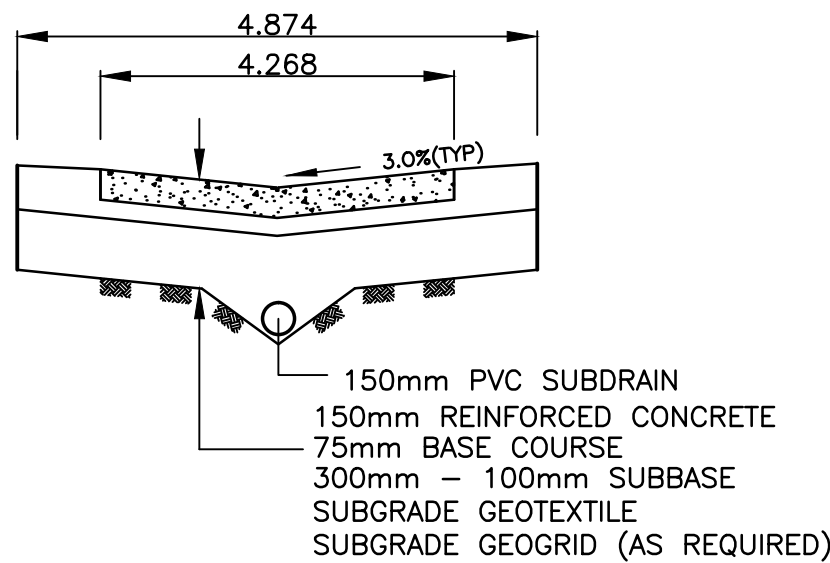


NOTES:

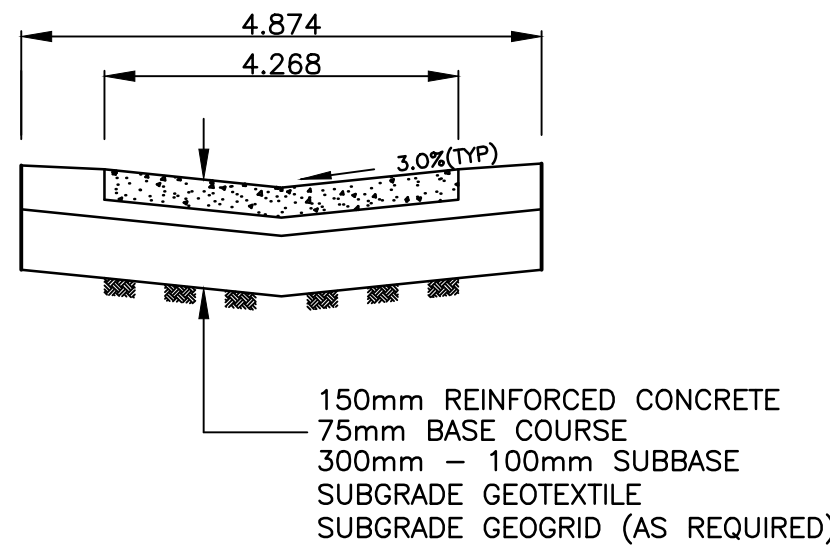
1. ISOLATE EXISTING HYDRO POLES AS DIRECTED BY CONTRACT ADMINISTRATOR
2. RENEW EXISTING APPROACHES AS DIRECTED BY CONTRACT ADMINISTRATOR
3. EXTEND SUBDRAINS AS DIRECTED BY CONTRACT ADMINISTRATOR
4. ADDITIONAL EXCAVATION AND INSTALLATION OF SUBGRADE GEOGRID TO BE DETERMINED BY CONTRACT ADMINISTRATOR



TYPICAL PAVEMENT CROSS SECTION
N.T.S.

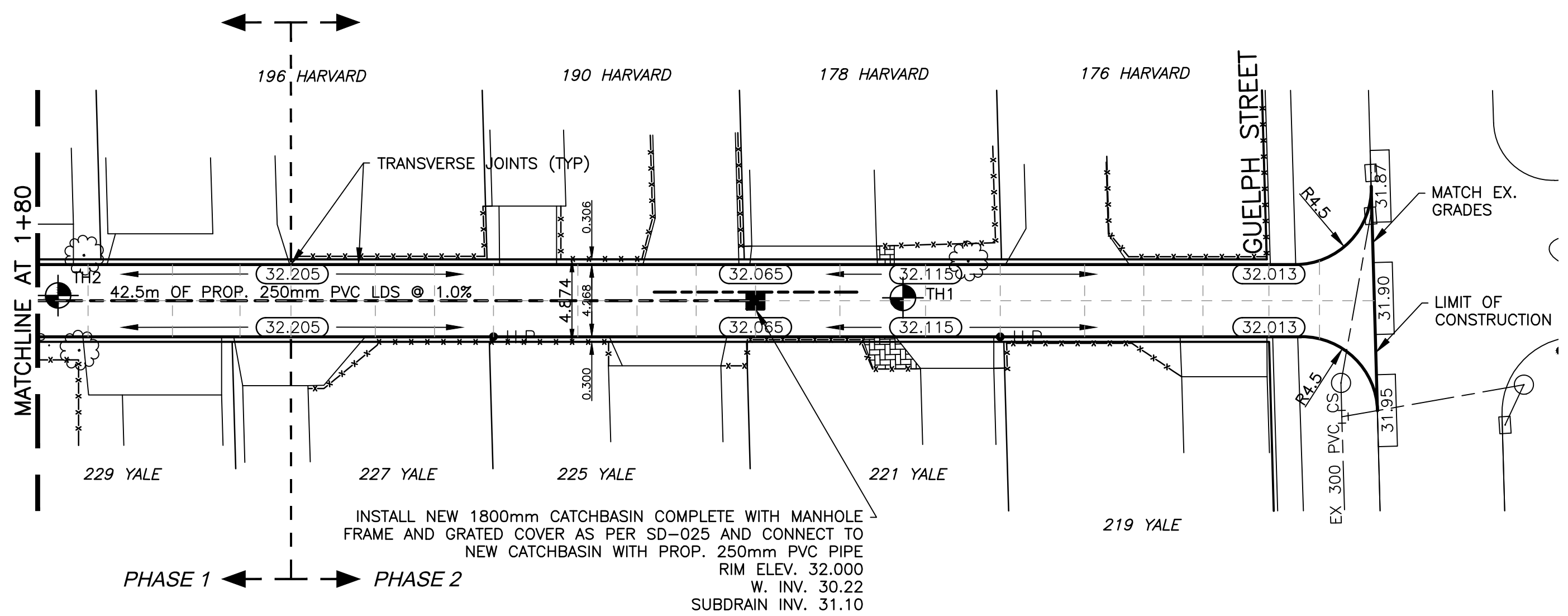


TYPICAL ALLEY CROSS SECTION WITH SUBDRAIN
N.T.S.



TYPICAL ALLEY CROSS SECTION
N.T.S.

HARVARD/ YALE ALLEY



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. 2+16.50 AND 2+28.50

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



---	WATERMAIN	---	HYDRO	---	CENTER LINE	---
⊕	HYDRANT	⊕	M.T.S.	---	NORTH/WEST GUTTER	---
⊕	VALVE	⊕	CONCRETE	---	SOUTH/EAST GUTTER	---
---	LAND DRAINAGE SEWER	---	ASPHALT	---	WATERMAIN	---
---	WASTE WATER SEWER	---	PROPERTY LINE	---	VALVE	---
○	MANHOLE	●	SURVEY BAR	⊕	LAND DRAINAGE SEWER	---
□	CATCH BASIN	■	CURB STOP	⊕	WASTE WATER SEWER	---
△	CURB INLET	▲	C.B. LEAD	---	TESTHOLE	---
---	TRAFFIC SIGNAL	---	SIDEWALK	---	ASPH./CONC. PAD	---
---	STEAM HT.	---	SIDEWALK RAMP	---	GARAGE PAD	---
---	GAS	---	ELEVATIONS	32.55	---	---
---	EXISTING	---	LEGEND - PLAN	---	LEGEND - PROFILE	---

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.

B.M. ELEV.	CWM: 52-038 232.593		
2	BID SUBMISSION	05/10	R.H.
1	APPROVAL SUBMISSION	04/10	R.H.
NO.	REVISIONS	DATE	BY



DESIGNED BY	R.H.	CHECKED BY	S.M.
DRAWN BY	R.H.	APPROVED BY	I.McK.
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION	
VERT. SCALE:	1:10	DATE	
DATE	APRIL 2010		



Winnipeg THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

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

CITY DRAWING NO.
SHEET 2 OF 2
390-2010