

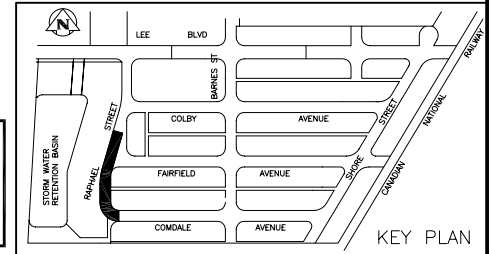
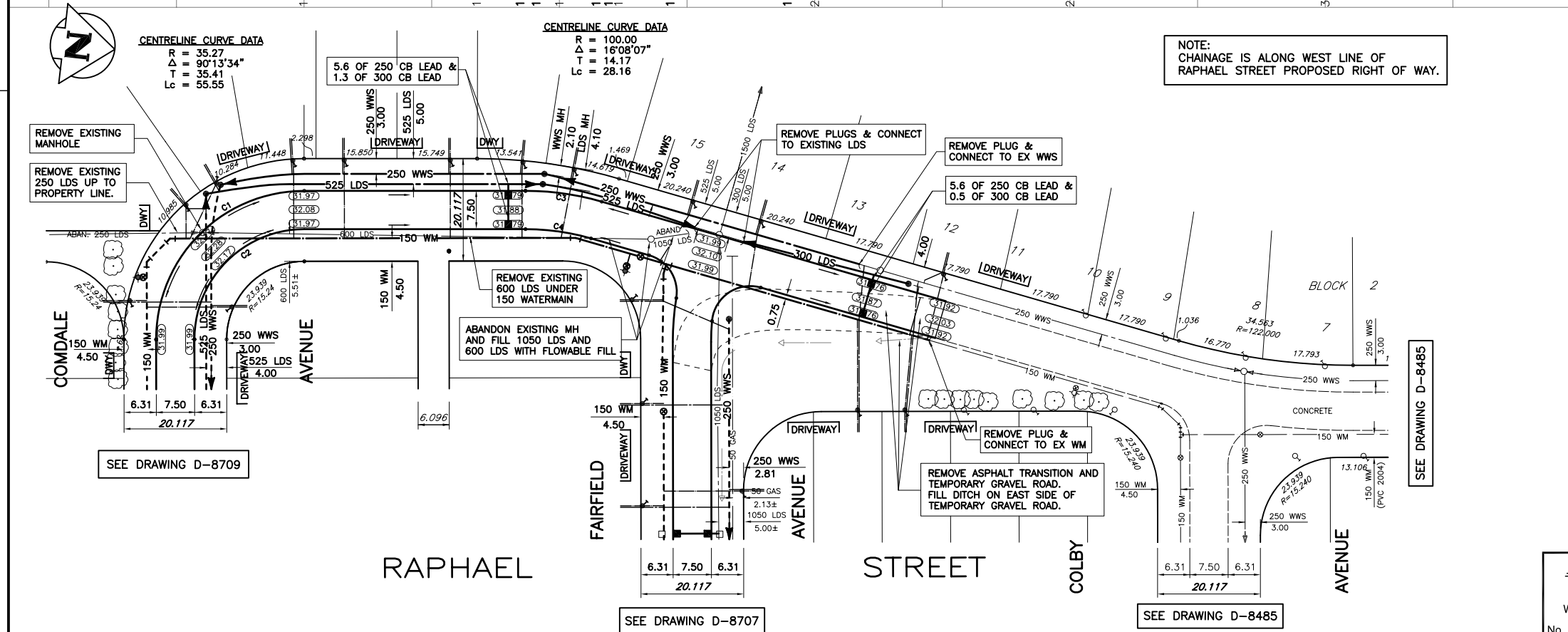
**RAPHAEL STREET
RIGHT OF WAY CROSS SECTION**
HOR. 1 : 200, VER. 1 : 100

CIRCULAR CURVE DATA				
CURVE NO.	C1	C2	C3	C4
RADIUS	29.05	21.55	53.75	46.25
DELTA	89°59'59"	89°59'58"	16°08'07"	16°08'07"
TANGENT	29.05	21.55	7.62	6.56
LENGTH	45.63	33.85	15.14	13.02

CONSTRUCTION NOTES:

- SEE DETAIL SHEET FOR CURB TYPE AND LOCATION.
- ALL CATCHBASIN'S TO BE AS PER SD-024 UNLESS OTHERWISE NOTED.
- ALL HYDRANTS TO BE AS PER SD-006/SD-007 AND 2.8m FROM PROPERTY LINE. UNLESS OTHERWISE NOTED.
- ALL CATCHBASIN LEADS TO BE 250mm AT A MINIMUM 1.5% UNLESS OTHERWISE NOTED.
- MODIFIED BARRIER CURB AT ALL INTERSECTION RADII. 3.0m TRANSITION.
- ALL EXISTING UTILITIES USED FOR CONNECTIONS TO HAVE INVERTS VERIFIED PRIOR TO CONSTRUCTION.
- ALL RADII AT INTERSECTIONS 7.5m UNLESS OTHERWISE NOTED.
- ALL PIPE BACKFILL UNDER BOULEVARD TO BE CLASS 4 UNLESS OTHERWISE NOTED.
- ALL PIPE UNDER EXISTING OR FUTURE PAVEMENT TO BE CORED OR HAVE CLASS 2 BACKFILL.
- ALL WATER SERVICE CONNECTIONS TO BE 20mm DIA. AND ALL SEWER TO BE 150mm DIA. UNLESS OTHERWISE NOTED.
- ALL EXISTING CULVERTS ARE TO BE REMOVED AND DISPOSED OF.

NOTE:
CHAINAGE IS ALONG WEST LINE OF
RAPHAEL STREET PROPOSED RIGHT OF WAY.



APEGM
Certificate of Authorization
Wardrop Engineering Inc.
No. 195 Expiry: April 30, 2006

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
WATERMAIN	HYDRANT	VALVE	300 LDS	LAND DRAINAGE SEWER	250 WWS	MANHOLE	CATCHBASIN	CURB INLET
JUNCTIONS	CULVERT	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN
GAS	M.T.S.	CONCRETE	SIDEWALK	ASPHALT	SIDEWALK RAMP	GRAVEL	PROPERTY LINE	LOT LINE
DITCH/SWALE	HYDRO POLE	LIGHT STANDARD	ANCHOR	TREE	BUSHLINE	SURVEY BAR	LEGAL UNIT	BUILDING
TEST HOLE	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES

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. CITY OF WINNIPEG No. 82-020
ELEV. 32.892m

WARDROP Engineering Inc.

DESIGNED BY: GL/LL
CHECKED BY: G.S.

DRAWN BY: NL
APPROVED BY:

ISSUED FOR TENDER: 05.04.11 GS
ISSUED FOR APPROVAL: 05.04.08 GS

NO. REVISIONS

DATE: 05.02.11

PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
L.G.P. CHAMBERS

CONSULTANT DRAWING NO.
05129401-DWG-C1006

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND DEVELOPMENT

FAIRFIELD PARK LOCAL IMPROVEMENT DISTRICT
STAGES II, III & IV

RAPHAEL STREET
40m NORTH OF FAIRFIELD AVENUE
TO COMDALE AVENUE

CITY DRAWING NUMBER
D-8703
SHEET **6** OF **16**
C1006