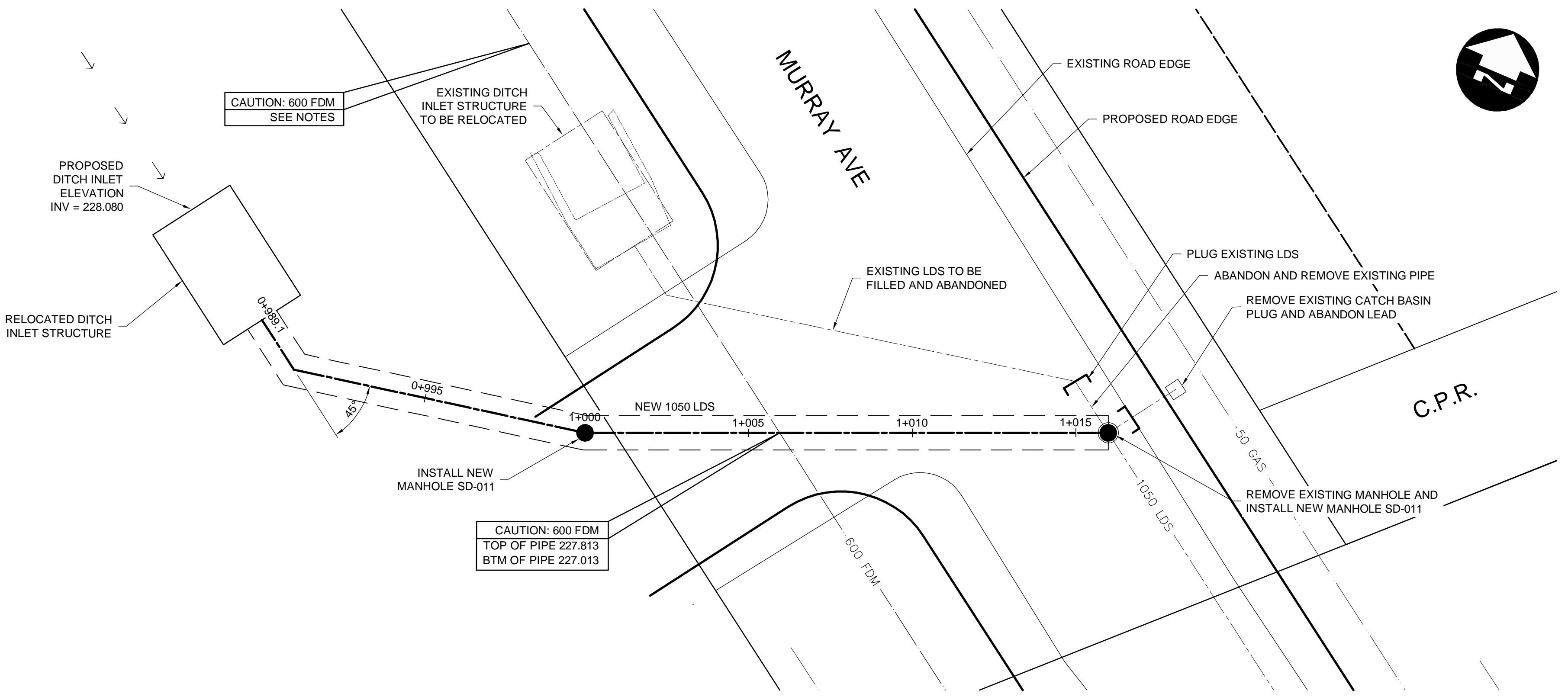


- CONSTRUCTION NOTES**
1. CONTRACTOR SHALL TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO EXISTING BOULEVARDS AND TREES WITHIN THE LIMITS OF CONSTRUCTION.
 2. SEWER AND SEWER SERVICES TO BE INSTALLED BY TRENCHLESS METHODS UNLESS OTHERWISE SPECIFIED.
 3. LOCATION OF EXISTING UTILITIES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
 4. BOULEVARD REPLACEMENT TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 5. CONTRACTOR TO PLUG ANY ABANDONED PIPES THAT ARE BROKEN DURING CONSTRUCTION.
 6. TRENCHES & EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
 7. BACKFILL IN BOULEVARD TO BE CLASS 5.

- FEEDERMAIN NOTES**
1. THE CONSTRUCTION WORKS SHALL BE UNDERTAKEN IN ABSOLUTE COMPLIANCE WITH THE CONSTRUCTION LIMITATIONS AND RECOMMENDATIONS SET OUT IN THE PIPELINE ASSESSMENT FOR THE MURRAY AVENUE FEEDERMAIN (GATESIDE TO MCPHILLIPS) PREPARED BY AECOM CANADA LTD AND DATED APRIL 26, 2011 (SEE E18 OF THE BID OPP).
 2. A CONSTRUCTION METHOD STATEMENT PREPARED BY THE CONTRACTOR SHALL BE PROVIDED TO THE WATER AND WASTE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AT THE SITE.
 3. SUBSEQUENT TO THE APPROVAL OF THE CONSTRUCTION METHOD STATEMENT BUT PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AT THE SITE, A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE WATER AND WASTE DEPARTMENT, PUBLIC WORKS DEPARTMENT, CONTRACTOR AND CONSULTANT IN ATTENDANCE.

- LAND DRAINAGE SEWER NOTES**
1. THE NEW LAND DRAINAGE SEWER PIPE BETWEEN THE MANHOLES LOCATED AT STA. 1+000 AND STA. 1+016 SHALL BE INSTALLED BY THE PIPE JACKING METHOD ONLY.
 2. THE SLOPE OF THE NEW LAND DRAINAGE SEWER PIPE BETWEEN THE MANHOLES LOCATED AT STA. 1+000 AND STA. 1+016 SHALL BE REDUCED AS MUCH AS PRACTICABLE TO MAXIMIZE THE CLEARANCE BETWEEN THE UNDERSIDE OF THE EXISTING FEEDERMAIN PIPE AND THE TOP OF THE PROPOSED LAND DRAINAGE SEWER PIPE.
 3. DURING THE INSTALLATION OF THE NEW LAND DRAINAGE SEWER PIPE UNDER THE EXISTING FEEDERMAIN BY THE JACKING METHOD, THE ELEVATION OF THE FEEDERMAIN PIPE SHALL BE PRECISELY MONITORED TO DETECT IF ANY SETTLEMENT OF THE FEEDERMAIN PIPE IS OCCURRING SUCH THAT SETTLEMENT MITIGATION MEASURES CAN BE DEVELOPED AND UNDERTAKEN.



WARNING

- IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
 3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2011 GRANULAR ROADWAY IMPROVEMENTS
MURRAY AVENUE
MCPHILLIPS STREET TO GATESIDE STREET

CITY DRAWING NUMBER: -
SHEET 10 OF 10
CONSULTANT DRAWING NUMBER: -

PLAN-PROFILE - DITCH INLET PIPE

DILLON CONSULTING

DESIGNED BY: TJH/BPN
DRAWN BY: TJH
CHECKED BY: ORIGINAL SIGNED BY TARAN J. PETERS
APPROVED BY: ORIGINAL SIGNED BY DAVE KRAHN

RELEASER FOR CONSTRUCTION: ORIGINAL SIGNED BY BRENT KELLETT

CONSULTANT PROJECT NUMBER: 09-2696

NO.	REVISIONS	DATE	BY
3	ADDENDUM #1	07/31/12	TJP
2	ISSUED FOR TENDER	07/23/12	TJP
1	ISSUED FOR 95% REVIEW	06/27/12	TJP

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	150 WM	WATERMAIN	150 WM	HYDRANT
300 LDS	LAND DRAINAGE SEWER	300 LDS	250 WWS	WASTE WATER SEWER	250 WWS	MANHOLE	CATCH BASIN	CURB INLET
100 GAS	GAS	100 GAS						

UNDERGROUND STRUCTURES

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.

NOTE: CHAINAGES SHOWN ALONG CL OF PIPE

G:\CAD\092696\Contract\2011 Murray\Current\10-DITCH INLET PIPE.dwg