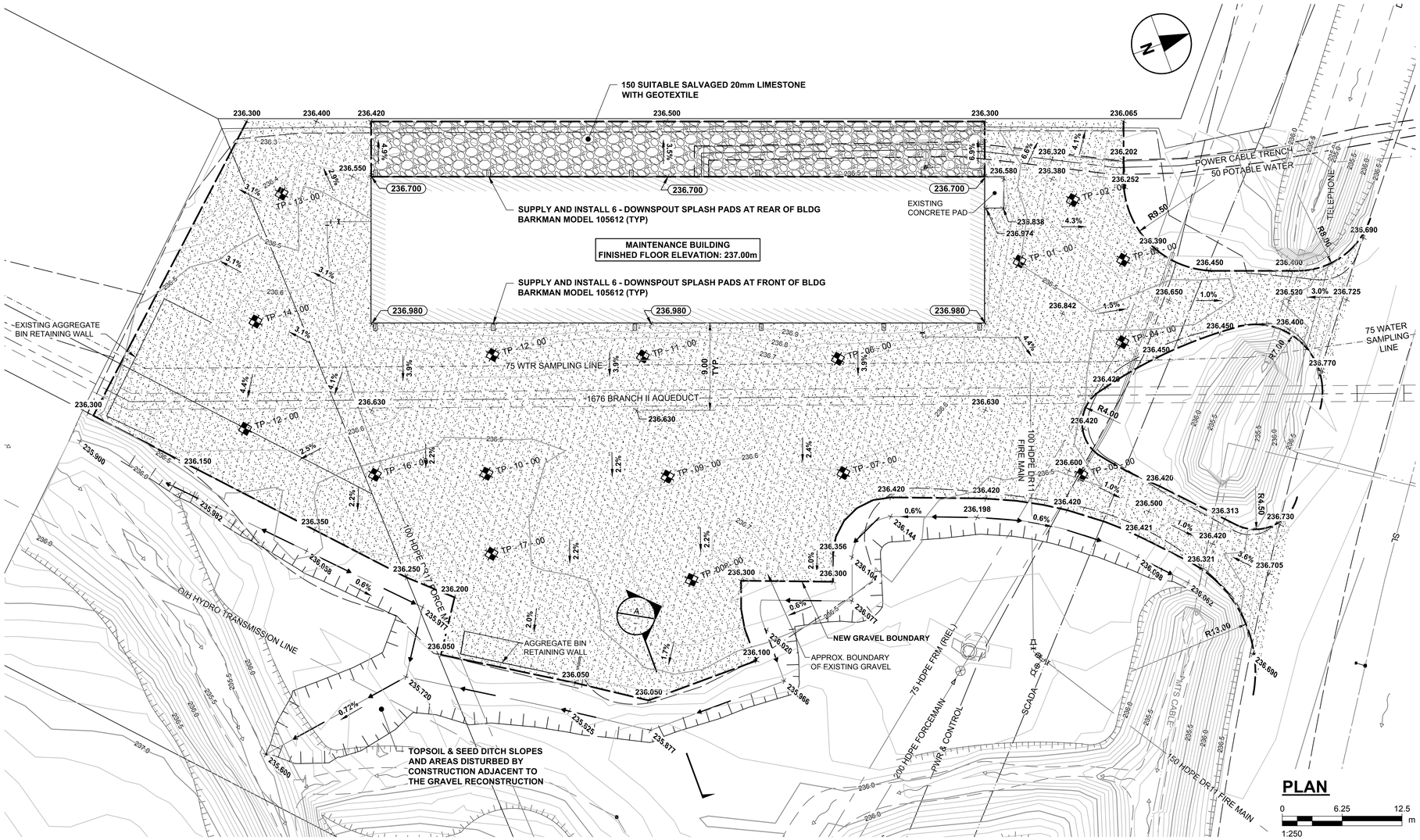
A1 SIZE - 594mm x 841mm

GRADING LEGEND

- (232.190) PROPOSED GRADE AT BUILDING
- 231.550 PROPOSED GRADE
- + 232.931 PROPOSED SWALE GRADE
- + 233.45 EXISTING GRADE
- TEST PIT #
- SALVAGED 20mm LIMESTONE
- GRAVEL PAVEMENT



PLAN

0 6.25 12.5 m

1:250

Test Hole #	Drilling Depth (m)		Soil Descriptions
TP-01-00	0	0.07	Asphalt cuttings
	0.07	0.35	Base gravel
			- max 35mm stone
			- poor graded, high clay content
	0.35	0.7	Limestone
			-course, poor graded
	>	0.7	Clay - black
TP-02-00	0	0.05	Asphalt cuttings
	0.05	0.12	Base gravel - dirty
	>	0.12	Clay
TP-03-00	0	0.1	asphalt cuttings - dirty
	0.1	0.3	Limestone <50mm
			-dirty
		0.3	Clay/topsoil fill
			-stony
			-soft
TP-04-00	0	0.08	20mm limestone
	0.08	0.35	Dirty gravel
			-dirt mixed in
	>	0.35	Clay
TP-05-00	0	0.15	20mm limestone
	0.15	0.3	Clay fill
TP-06-00	0	0.27	Limestone -dirty
	0.27	0.6	Clay fill
			-stony
	0.6	0.7	Clay
TP-07-00	0	0.12	Limestone -dirty
	0.12	0.35	Clay fill
			-stony, soft
TP-08-00	0	0.05	dirty sand and gravel
	0.05	0.52	Coarse limestone
			-<150mm down
			- poorly graded, coarse
	0.52	0.6	Clay - black
TP-09-00	0	0.2	20mm limestone -dirty
	0.2	0.4	Gravelly clay fill
	0.4	0.5	Clay fill
TP-10-00	0	0.04	Limestone -dirty
	0.04	0.45	Limestone
			-<100mm
			-coarse, poorly graded
		0.45	Clay -black
TP-11-00	0	0.12	Gravel base -dirty
	0.12	0.3	Gravel fill
			-dirty, mud mixed in, poor
	>	0.3	Clay fill, gravelly, soft
TP-12-00	0	0.2	20mm limestone -dirty
	0.2	0.4	Gravelly clay fill
	0.4	0.5	Clay fill
TP-13-00	0	0.07	Asphalt cuttings, dirty
	0.07	0.2	Gravel, dirty
	0.2	0.55	Limestone
			<200mm down
			-poor graded
	>	0.55	Clay , black
			-soft
TP-14-00	0	0.07	Asphalt cuttings, sand, dirty
	0.07	0.37	Dirty mud, gravel, limestone, fill
			-loose
	>	0.37	Clay
TP-15-00	0	0.13	Asphalt cuttings, dirty gravel
	0.13	0.35	Dirty gravelly clay fill
	0.35	0.5	Clay fill
TP-16-00	0	0.05	Limestone -dirty, sandy
	0.05	0.6	Limestone <100mm
			-poor graded
	0.6	0.7	Clay -black, organic
TP-17-00	0	0.07	Limestone -dirty
	0.07	0.25	Limestone <50mm down
	0.25	0.45	Limestone, coarse, dirty
	0.45	0.7	Limestone, coarse, clay lumps
	>	0.7	Clay -black, organic

* TEST PITS WERE CONDUCTED BY THE CITY OF WINNIPEG ON JUNE 27, 2019. VISUAL OBSERVATIONS WERE PROVIDED BY AECOM.

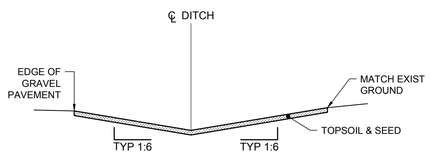
TENDER NO. 672-2022

NOTES

1. ALL WORK AND MATERIALS IN ACCORDANCE WITH CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
2. DO NOT SCALE DRAWING. ALL MEASUREMENTS MUST BE OBTAINED FROM STATED DIMENSIONS.
3. BENCHMARK: PILE 115, EL.=237.103, EAST SIDE OF PR207 SOUTH SIDE OF GWWD RAIL, N.W. CORNER OF CELL #4
4. 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 GIVEN LOCATIONS ARE EXACT.
5. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
6. UNSUITABLE MATERIAL TO BE REMOVED FROM SITE.
7. EXCAVATE FOR GRAVEL LOT RECONSTRUCTION TO THE SECTIONS AND GRADES SHOWN. SALVAGE SUITAGE 20mm LIMSTONE FOR PLACEMENT AT REAR OF BUILDING.
8. COMPACT SUBGRADE, PLACE GEOTEXTILE/GEOGRID AS NOTED. PLACE AND COMPACT CRUSHED SUB-BASE AND LIMESTONE BASE COURSE TO THE ELEVATIONS AND SECTIONS NOTED.
9. COORDINATE WITH THE CITY TO MAINTAIN ACCESS AND OPERATIONS AT ALL TIMES.

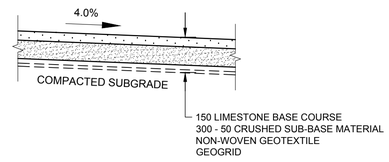
CONSTRUCTION NOTES FOR EXCAVATION, BASE PLACEMENT AND COMPACTION NEAR AQUEDUCTS

1. LOCATE AQUEDUCT AND CONFIRM ITS POSITION HORIZONTALLY AND VERTICALLY PRIOR TO UNDERTAKING WORK WITHIN 5.0 OF THE AQUEDUCT.
2. GRANULAR MATERIAL, CONSTRUCTION MATERIAL, SOIL AND/OR OTHER MATERIAL SHALL NOT BE STOCKPILED ON OR WITHIN 5.0 OF THE AQUEDUCT.
3. EQUIPMENT SHOULD NOT BE ALLOWED TO OPERATE WHILE POSITIONED DIRECTLY OVER THE AQUEDUCT, EXCEPT WHERE PERMITTED. ONLY UTILIZE CONSTRUCTION PRACTICES AND PROCEDURES THAT DO NOT IMPART EXCESSIVE VIBRATORY LOADS ON THE AQUEDUCT.
4. SUBGRADE, SUBBASE AND BASE COMPACTION WITHIN 3.0 HORIZONTAL OF THE CENTERLINE OF THE AQUEDUCT SHALL BE EITHER CARRIED OUT BY STATIC METHODS (WITHOUT VIBRATION) OR WITH SMALLER APPROVED EQUIPMENT SUCH AS HAND-HELD PLATE PACKERS OR SMALLER ROLLER EQUIPMENT.



A | EAST DITCH

Scale N.T.S.



- | TYPICAL GRAVEL PAVEMENT STRUCTURE

Scale N.T.S.

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM		CURB STOP		150 WM	WATERMAIN	150 WM
	HYDRANT			REDUCER			HYDRANT	
	VALVE			COUPLING			VALVE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		ANODE		300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS		HYDRO		250 WWS	WASTE WATER SEWER	250 WWS
	MANHOLE			MTS			PAVEMENT CROWN	
	CATCH BASIN			GAS			N/W PROPERTY LINE	
	CURB INLET			TESTHOLE			S/E PROPERTY LINE	
	CULVERT			LAMP STANDARD			N/W GUTTER	
	PIPE ABANDONMENTS			TREE			S/E GUTTER	
	SURVEY BAR			DITCH/SWALE				

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 2022-09-07

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NO.	REVISIONS	DATE	DESIGN	CHECK
1	ISSUED FOR CONSTRUCTION	22/09/07	MG	MM
0	ISSUED FOR CONSTRUCTION	19/11/12	ZP	GSK

AECOM

DESIGNED BY: ZP	CHECKED BY: GSK
DRAWN BY: KLC	APPROVED BY: KWF
SCALE: 1:250	RELEASED FOR CONSTRUCTION BY: MATTHEW SKINNER
DATE: 2022-09-07	DATE: SEPT 8, 2022
CONSULTANT NO.: C-0006	

ENGINEER'S SEAL

ORIGINAL SIGNED BY M.P.A GAUDREAU SEPTEMBER 7, 2022

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

WATER TREATMENT PLANT - FLOOD PROTECTION
CIVIL MAINTENANCE / AQUEDUCT
CIVIL
STORAGE BUILDING SERVICING
DRAINAGE AND LOT GRADE PLAN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0601V-C0001-001	007	1	A1

LAST SAVE: 2022/09/07 8:58 AM
PATH: L:\Legacy\CAWPS\FP001\Data\Projects\60680862\900-CAD_GIS\910-CAD\02-SHEETS\60680862-SHT-30-0000-C-1001.dwg