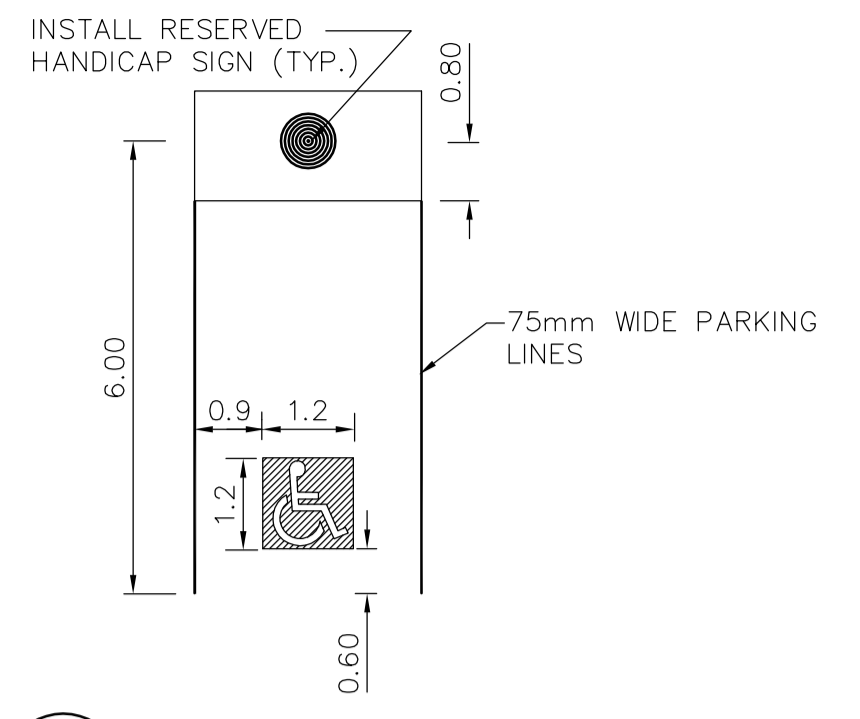


**MISCELLANEOUS UTM COORDINATES  
GRAVEL ROAD TO BOOSTER PUMPING STATION**

POINT I.D.	DESC.	NORTHING	EASTING
164	ER 4.5R	5524066.263	647785.804
165	ER 4.5R	5524064.984	647780.294
166	ER 4.5R	5524061.656	647778.260
167	ER 4.5R	5524056.230	647779.590
168	ER 4.5R	5524033.143	647765.197
169	ER 4.5R	5524031.704	647758.998
170	ER 4.5R	5524034.659	647754.258
171	ER 4.5R	5524040.859	647752.820
172	ER 4.5R	5524025.523	647760.407
173	ER 4.5R	5524026.961	647766.607



**A HANDICAP PARKING STALL DETAIL**  
C0162 SCALE: NTS

**MISCELLANEOUS UTM COORDINATES**

POINT I.D.	DESC.	NORTHING	EASTING
133	CENTER OF SWALE	5524111.569	647742.423
134	CENTER OF SWALE	5524169.442	647778.500
135	CENTER OF SWALE	5524187.468	647772.750
136	CENTER OF SWALE	5524200.626	647779.115
137	CENTER OF SWALE	5524201.521	647784.324
138	CENTER OF SWALE	5524202.014	647784.240
139	CENTER OF SWALE	5524203.205	647794.129
140	CENTER OF SWALE	5524126.648	647886.293
141	CENTER OF SWALE	5524123.456	647895.951
142	CENTER OF SWALE	5524123.586	647938.468
143	CENTER OF SWALE	5524104.034	647971.490
144	CENTER OF SWALE	5524089.371	647963.325
145	CENTER OF SWALE	5524019.038	647781.499
146	CENTER OF SWALE	5524120.209	647901.855
147	CENTER OF AQUEDUCT	5523978.824	647807.187
148	CENTER OF AQUEDUCT	5523939.906	647914.472

REFER TO DWG WY-C0164 FOR CONTINUATION OF PAVING AND GRADING

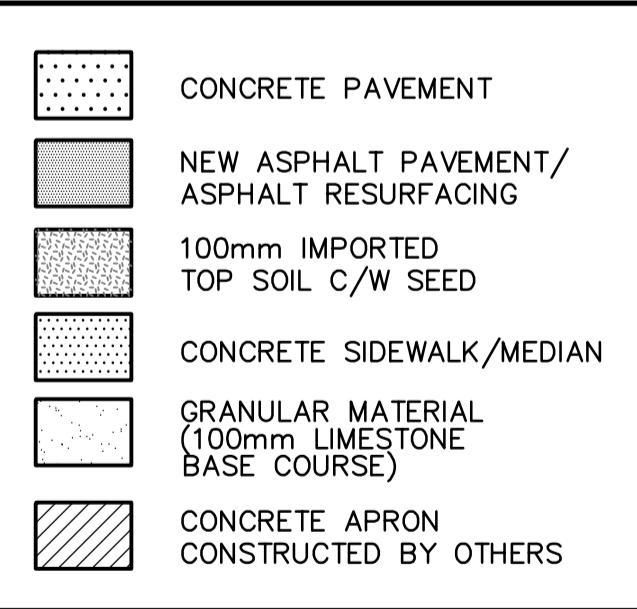
**REFERENCE NOTES**

- REFER TO DRAWING WY-C0160 FOR PROPOSED HORIZONTAL GEOMETRY
- REFER TO DRAWING WY-C0161 & WY-C0162 FOR PROPOSED PAVEMENT ELEVATIONS
- REFER TO DRAWINGS WY-C0165 & WY-C0166 FOR PROPOSED PAVEMENT PROFILES
- REFER TO ELECTRICAL DRAWINGS FOR STREET LIGHTS, PARKING RECEPTACLES AND ASSOCIATED ELECTRICAL
- NO HEAVY EQUIPMENT ALLOWED WITHIN 10m OF GWWD AQUEDUCT
- REFER TO CHEMICAL AND GENERATOR BUILDING AND CLEARWELL DRAWINGS FOR ROUGH GRADING ELEVATIONS
- REFER TO GUARDRAIL DRAWINGS FOR PLAN AND DETAILS

**CONSTRUCTION NOTES**

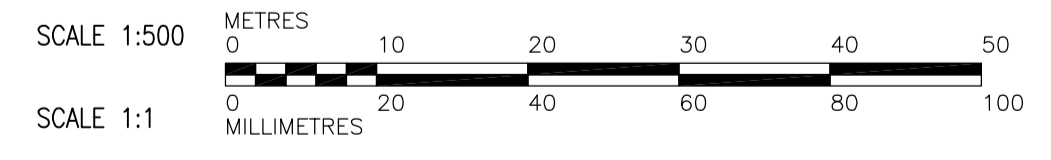
- SUPPLY AND INSTALL CONCRETE BARRIER CURB AND GUTTER 150mm HT
- SUPPLY AND INSTALL CONCRETE MOUNTABLE CURB AND GUTTER 40mm HT
- SUPPLY AND INSTALL REINFORCED CONCRETE PAVEMENT (150mm THK.)
- SUPPLY AND INSTALL REINFORCED CONCRETE PAVEMENT (200mm THK.)
- SUPPLY AND INSTALL 150mm SUBDRAINS 6.0m EACH SIDE OF CATCHBASIN (TYP)
- ADJUST EXISTING CATCHBASIN/MANHOLE TO GRADE
- ADJUST EXISTING WATER VALVE TO GRADE
- CONSTRUCT DRAINAGE SWALE
- SUPPLY AND INSTALL 75mm WIDE PARKING LINES, YELLOW IN COLOR
- ABANDON EXISTING 450mm Ø CMP. PLACE FLOWABLE CEMENT STABILIZED FILL INSIDE CMP
- REGRADE EXIST. GRANULAR BASE/SUB BASE MATERIAL TO MATCH PROPOSED PAVEMENT STRUCTURE
- SUPPLY AND INSTALL 450mm Ø CMP CULVERT
- EXCAVATE AND DISPOSE OF 0.3m GRANULAR MATERIAL AND REPLACE WITH 0.3m OF CLAY FROM BORROW AREA
- SUPPLY AND INSTALL 50mm ASPHALT PAVEMENT
- SUPPLY AND INSTALL 3m x 3m x 150mm REINFORCED CONCRETE PAVEMENT C/W 150mm CRUSHED LIMESTONE BASE COURSE
- SUPPLY AND INSTALL 2.7m Ø BASE MANHOLE
- SUPPLY AND INSTALL 200mm HT BARRIER CURB (INTEGRAL) ON 200mm CONCRETE PAVEMENT
- REMOVE EXISTING 1.83m HT CHAIN LINK FENCE
- SUPPLY AND INSTALL CONCRETE CURB RAMP 10mm HT, 150 THICK
- SUPPLY AND INSTALL 120mm HT MOUNTABLE CONCRETE CURB AND GUTTER (INTEGRAL)
- SUPPLY AND INSTALL MONOLITHIC CONCRETE MEDIAN
- REMOVE EXISTING 1.83m HT CHAIN LINK FENCE ALONG NORTH, EAST AND SOUTH PERIMETER OF DEACON BOOSTER PUMPING STATION
- MOW AREA BETWEEN AQUEDUCT FENCE. CONTRACT ADMINISTRATOR WILL DETERMINE IF REGRADE, TOPSOIL AND SEEDING WILL OCCUR.
- SUPPLY AND INSTALL CONCRETE COATINGS IN ACCORDANCE WITH SPECIFICATION SECTION 0295.3

**SURFACE TYPE LEGEND**



**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	---	---	---	---	---	---
+	HYDRANT	+	M.T.S.	---	---	---	---	---	---
+	VALVE	+	CONCRETE	---	---	---	---	---	---
+	LAND DRAINAGE SEWER	+	ASPHALT	---	---	---	---	---	---
+	WASTEWATER SEWER	+	PROPERTY LINE	---	---	---	---	---	---
○	MANHOLE	○	SURVEY BAR	---	---	---	---	---	---
□	CATCH BASIN	□	ELEVATION	---	---	---	---	---	---
▽	CURB INLET	▽	TREE	---	---	---	---	---	---
+	JUNCTIONS	+	ANODE	---	---	---	---	---	---
+	CULVERT	+	CONCRETE SIDEWALK	---	---	---	---	---	---
+	GAS	+	FENCE	---	---	---	---	---	---
---	EXISTING	---	LEGEND - PLAN	---	---	---	---	---	---
---	LEGEND - PLAN	---	PROPOSED	---	---	---	---	---	---
---	EXISTING	---	LEGEND - PLAN	---	---	---	---	---	---
---	LEGEND - PLAN	---	PROPOSED	---	---	---	---	---	---

**APEGM**  
Certificate of Authorization  
Earth Tech Canada Inc.  
No. 730

B.M. ELEV.

00 ISSUED FOR TENDER 07/11/09 BC  
NO. REVISIONS DATE BY

**CH2MHILL**  
Frederickson Cooper  
ARCHITECTS

**EarthTech**  
A Tyco International Ltd. Company

DESIGNED BY BC CHECKED BY JC  
DRAWN BY BC APPROVED BY AHL  
SCALE: 1=500  
RELEASED FOR CONSTRUCTION BY:  
R. SOROKOWSKI

DATE 06/11/24 DATE 07/11/09

ENGINEER'S SEAL

ORIGINAL SIGNED BY  
J.N. CRANG  
07/11/09

CONSULTANT DRAWING NO.  
WY-C0163

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

WATER TREATMENT PLANT  
CONSTRUCTION OF ROADS  
AND LANDSCAPING

CIVIL  
PAVING AND GRADING

CITY FILE NUMBER  
SHEET OF  
CITY DRAWING NUMBER  
1-0601Y-A-C0163-001-000