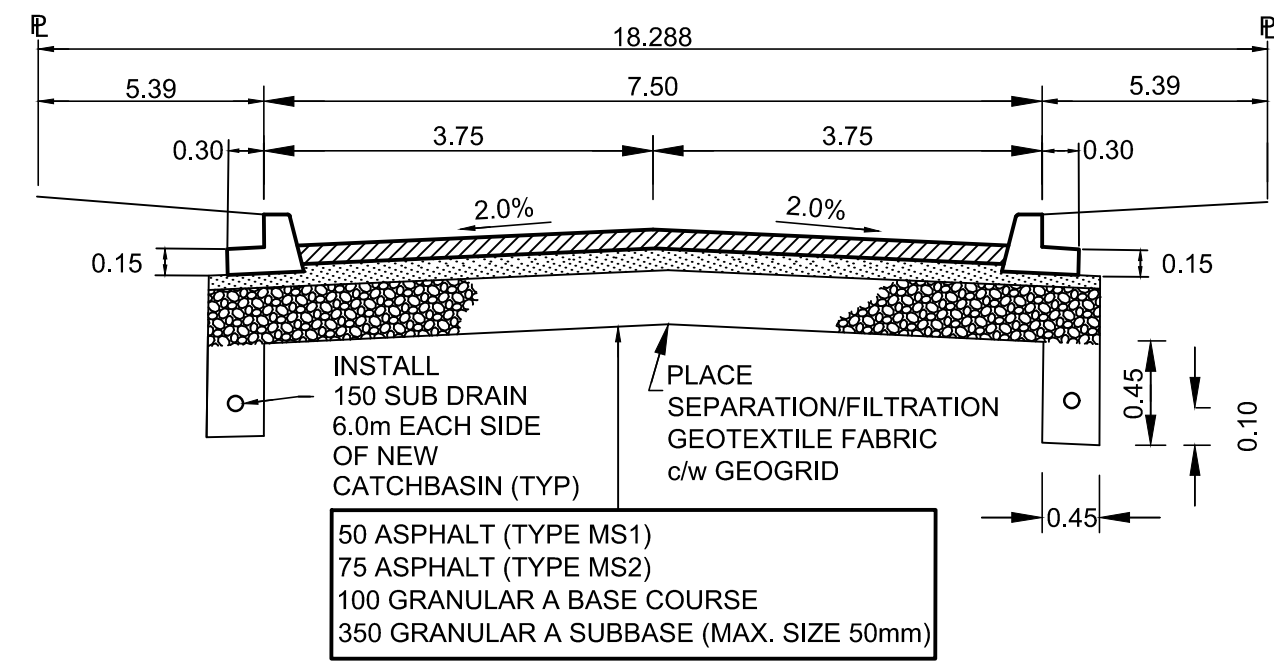
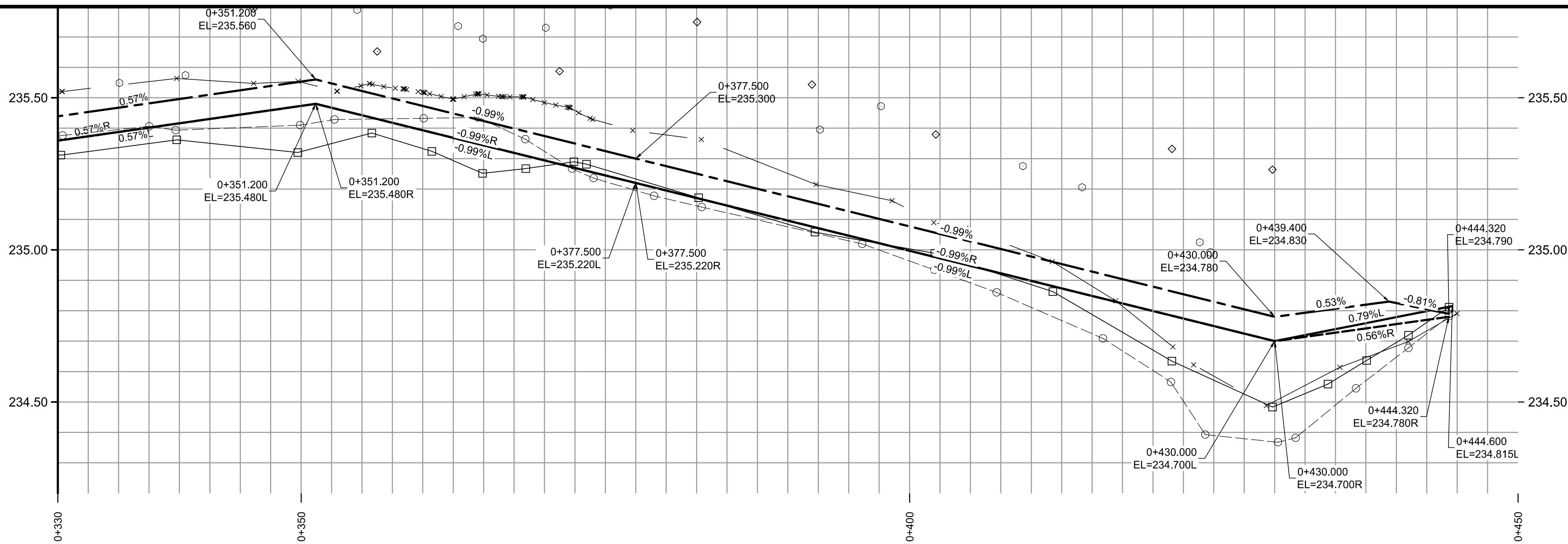
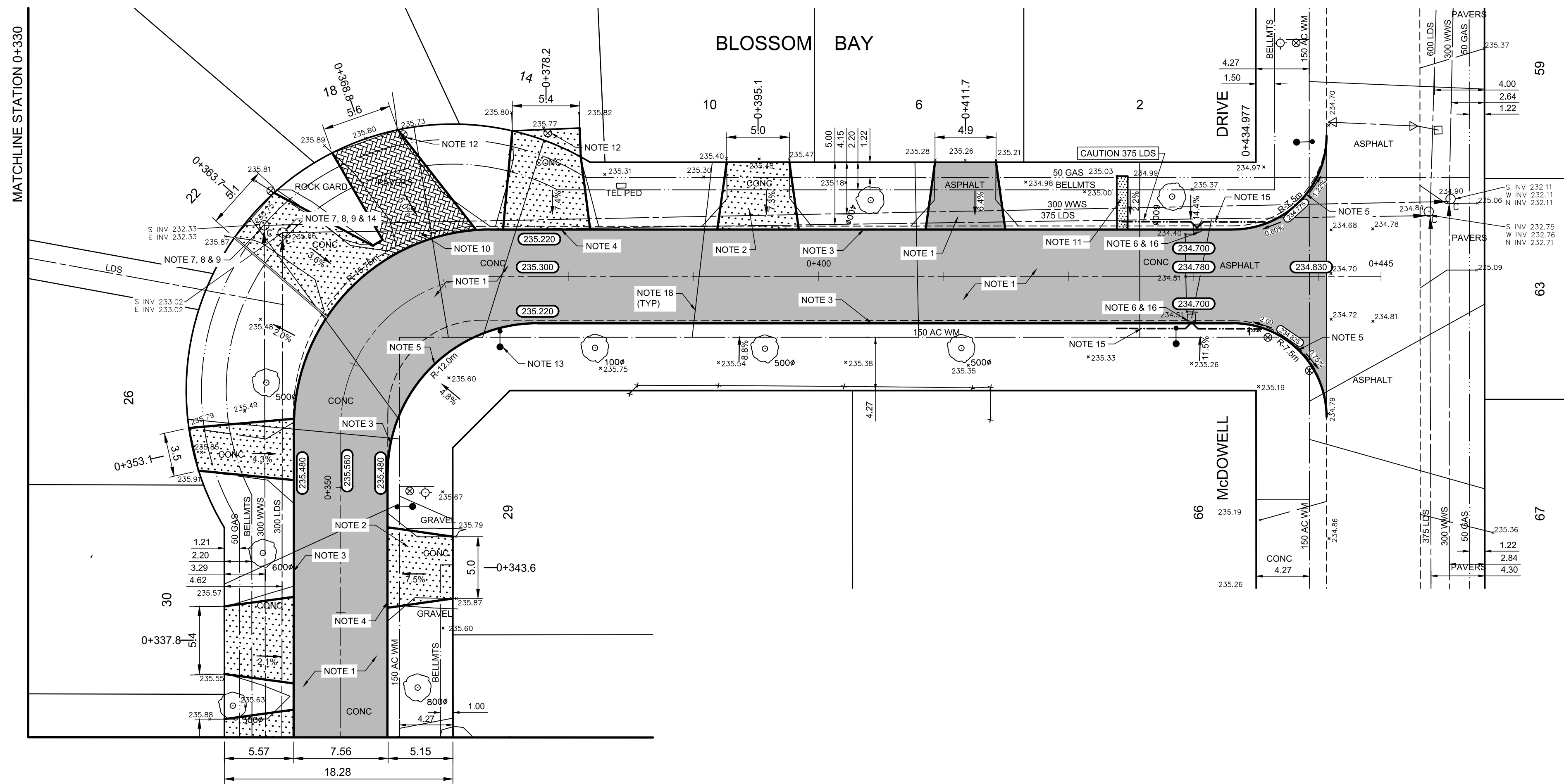




TYPICAL CROSS SECTION
Scale N.T.S.

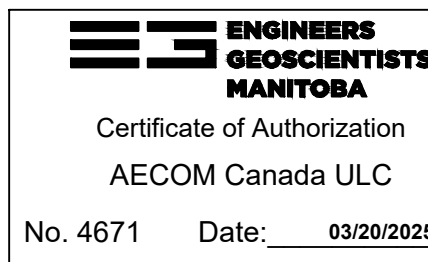


REFERENCE NOTES:

- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- B. PROPERTY LINES OBTAINED FROM CITY OF WINNIPEG L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
- C. REFER TO AECOM FIELD BOOK NO. 5185

CONSTRUCTION NOTES:

1. REMOVE EXISTING PAVEMENT AND PLACE NEW ASPHALT PAVEMENT OVERLAY (50mm TYPE MS1 & 75mm TYPE MS2)
2. REMOVE EXISTING PAVEMENT AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT
3. CONSTRUCT NEW CONCRETE BARRIER CURB AND REVERSED GUTTER FOR ASPHALT PAVEMENT (180mm HT.)
4. CONSTRUCT NEW CONCRETE LIP CURB (40mm HT. INTEGRAL)
5. INSTALL NEW CONCRETE MODIFIED BARRIER CURB WITH REVERSED GUTTER FOR ASPHALT PAVEMENT (180mm HT.)
6. REMOVE EXISTING MOUNTABLE CURB FRAME AND COVER AND PLACE NEW BARRIER CURB FRAME AND COVER INLET
7. ADJUST MANHOLE / CATCH BASIN / CATCH PIT TO GRADE
8. INSTALL NEW CAST IRON RISER RING
9. REMOVE EXISTING FRAME AND COVER AND PLACE NEW STANDARD FRAME AND SOLID COVER
10. ADJUST EXISTING PAVING STONES / PATIO BLOCKS TO GRADE
11. RENEW EXISTING PRIVATE 100mm CONCRETE SIDEWALK
12. ADJUST EXISTING WATER VALVE TO GRADE
13. REMOVE EXISTING STREET LIGHT POLES
14. S-MH60001784 - REPLACE RISER DOWN TO 0.7m
15. INSTALL NEW 150mm SUB DRAIN 6.0m ON EACH SIDE OF EXISTING CATCH BASIN
16. INSTALL 2.7m X 1.5m SECTION OF PAVEMENT REPAIR FABRIC AT NEW CATCH BASIN
17. ADJUST EXISTING WATER SERVICE SHUT OFF VALVE
18. INSULATE EXISTING WATER SERVICE UNDER ROADWAY (2.7m IN WIDTH)



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED
◇	HYDRANT	◇	M.T.S.	M.T.S.	—X—X—	UNDERGROUND STRUCTURES
⊙	VALVE	⊙	CONCRETE	CONCRETE	—□—	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	—○—	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	—◇—	
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	—○—	
□	CATCH BASIN	□	ELEVATION	ELEVATION	—○—	
▽	CATCH PIT	▽	TREE	TREE	—○—	
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	—○—	
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—○—	
↑	GAS	↑	FENCE	FENCE	—○—	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED
◇	HYDRANT	◇	M.T.S.	M.T.S.	—X—X—	UNDERGROUND STRUCTURES
⊙	VALVE	⊙	CONCRETE	CONCRETE	—□—	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	—○—	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	—◇—	
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	—○—	
□	CATCH BASIN	□	ELEVATION	ELEVATION	—○—	
▽	CATCH PIT	▽	TREE	TREE	—○—	
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	—○—	
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—○—	
↑	GAS	↑	FENCE	FENCE	—○—	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	EXISTING

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED
◇	HYDRANT	◇	M.T.S.	M.T.S.	—X—X—	UNDERGROUND STRUCTURES
⊙	VALVE	⊙	CONCRETE	CONCRETE	—□—	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	—○—	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	—◇—	
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	—○—	
□	CATCH BASIN	□	ELEVATION	ELEVATION	—○—	
▽	CATCH PIT	▽	TREE	TREE	—○—	
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	—○—	
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—○—	
↑	GAS	↑	FENCE	FENCE	—○—	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	EXISTING

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED
◇	HYDRANT	◇	M.T.S.	M.T.S.	—X—X—	UNDERGROUND STRUCTURES
⊙	VALVE	⊙	CONCRETE	CONCRETE	—□—	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	—○—	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	—◇—	
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	—○—	
□	CATCH BASIN	□	ELEVATION	ELEVATION	—○—	
▽	CATCH PIT	▽	TREE	TREE	—○—	
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	—○—	
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—○—	
↑	GAS	↑	FENCE	FENCE	—○—	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	EXISTING

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED
◇	HYDRANT	◇	M.T.S.	M.T.S.	—X—X—	UNDERGROUND STRUCTURES
⊙	VALVE	⊙	CONCRETE	CONCRETE	—□—	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	—○—	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	—◇—	
○	MANHOLE	○	SURVEY BAR	SURVEY BAR	—○—	
□	CATCH BASIN	□	ELEVATION	ELEVATION	—○—	
▽	CATCH PIT	▽	TREE	TREE	—○—	
↑	TRAFFIC SIGNAL POLE	↑	SIDEWALK RAMP	SIDEWALK RAMP	—○—	
↑	STREET LIGHT	↑	CONCRETE SIDEWALK	CONCRETE SIDEWALK	—○—	
↑	GAS	↑	FENCE	FENCE	—○—	
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	EXISTING