

NOTES FOR MP-05-100

- FINAL DUCT LOCATIONS TO BE CONFIRMED ADJACENT TO HERITAGE WALL.
- SERVICES CROSSING PRECAST WALLS TO BE DIRECTED BELOW SITE CONCRETE WITH A MINIMUM CLEARANCE OF 300mm.
- DUCTS AT THIS LOCATION TO BE CAPPED, LOCATION AND DEPTHS TO BE SURVEYED AND RECORDED FOR FUTURE EXTENSION.
- 2 x NEW 100 DIA LIGHTING DUCTS FEEDING 'T' AND 'PL' LIGHTS TO BE CONNECTED TO EXISTING UNDERPASS DUCT BANK UNDER TEMPORARY ROAD. REFER DRAWING UND-13-126.
- CANOPY LIGHT DISTRIBUTION WITHIN PAVILION STRUCTURE TO BE CONFIRMED BY ARCHITECT.
- EXISTING SERVICES HAVE BEEN CONSIDERED WHEN DETERMINING DUCT ROUTE.
- DUCTING TO PASS BETWEEN TREE PITS AND PRECAST WALL. REFER TO CROSS SECTION DRAWINGS FOR DETAILS.
- AUSTRALIAN WAR MEMORIAL LIGHTING SUPPLY.
- NZTA FIBRE WITHIN DUCT INSTALLED DURING DIVERSION WORKS TO BE CONNECTED TO UAB. REQUIREMENT FOR NEW CHAMBER TO BE CONFIRMED BY NZTA.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- PROPOSED SIGNAGE LIGHTING SUPPLY. ARCHITECT TO CONFIRM FINAL LOCATION.
- PARK LIGHTING AND SPARE DUCT TO BE RUN WITHIN BALUSTRADE. REFER ARCHITECTS DRAWINGS.
- RUN DUCT TO INSIDE OF GARDEN BOUNDARY AND CAP PENDING ROCK LIGHTING DETAILS. LOCATION AND DEPTH TO BE SURVEYED AND RECORDED FOR FUTURE EXTENSION.
- REFER TO CROSS SECTIONS FOR COORDINATION OF SERVICES IN THIS LOCATION.
- STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT FROM NEW TUDS. EXACT LOCATION OF TUDS TO BE CONFIRMED BY SERVICES TEAM.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- PROPOSED SIGNAGE LIGHTING SUPPLY. ARCHITECT TO CONFIRM FINAL LOCATION.
- PARK LIGHTING AND SPARE DUCT TO BE RUN WITHIN BALUSTRADE. REFER ARCHITECTS DRAWINGS.
- RUN DUCT TO INSIDE OF GARDEN BOUNDARY AND CAP PENDING ROCK LIGHTING DETAILS. LOCATION AND DEPTH TO BE SURVEYED AND RECORDED FOR FUTURE EXTENSION.
- REFER TO CROSS SECTIONS FOR COORDINATION OF SERVICES IN THIS LOCATION.
- STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT FROM NEW TUDS. EXACT LOCATION OF TUDS TO BE CONFIRMED BY SERVICES TEAM.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- TERMINATION/JUNCTION BOX AT ROAD LEVEL TO CONNECT/JOIN 'T' LIGHTING CIRCUITS.
- 'T' LIGHTING DUCT TO PENETRATE TEMPORARY WALL BELOW CUT OFF LEVEL. CAP FOR FUTURE CONNECTION TO DUCT WITHIN ROAD SLAB. CLEARANCE BETWEEN BOTTOM OF TREE PIT AND DUCT TO BE 200mm MINIMUM.
- 3 x 50mm FIRE POWER/COMMS DUCTS FROM FCC TO UNDERPASS. REFER TO MEC PACKAGE FOR LOCATION OF PENETRATIONS THROUGH STRUCTURAL WALLS.
- 2 x 50mm DUCTS FOR "FUTURE" SERVICES TO BE CAPPED BEHIND ARCHITECTURAL WALL AT EACH END.
- FOR SCHEDULE OF LUMINAIRES REFER TO STREET LIGHTING DRAWING MP-10-101.
- 'T' LIGHTING DUCT INSTALLED WITHIN UNDERPASS FLOOR SLAB. REFER TO DRAWING UND-12-035.
- FOR IRRIGATION DETAILS REFER TO DRAWINGS MP-06-180 TO 880.
- MULTIPLE SOLENOIDS PRESENT AT THIS LOCATION. REFER IRRIGATION DRAWINGS.
- TROLLEY BUS CABLE TO BE ATTACHED TO COMBINED WCCL POLE AT THIS LOCATION. TYPE AND HEIGHT TO BE CONFIRMED.
- 225 DIA GAS DUCT SLEEVE TO BE CAPPED AT THIS POINT. LOCATION AND DEPTH TO BE SURVEYED AND RECORDED FOR FUTURE INSTALLATION BY POWERCO.
- HAND RAIL TO BE SUPPLIED PRE-WIRED WITH 2M TAIL AT ENTRY POINT.
- DUCTS IN STACKED FORMATION (TWO ROWS). SHOWN ON DRAWING AS SINGLE RED LINE FOR SIMPLICITY.
- IRRIGATION CONTROLLER (FINAL LOCATION IN UAB TO BE CONFIRMED).
- ONLY THE 50mm DUCT ALONG HERITAGE WALL TO PAVILION AND SIGNAGE LIGHTING TO BE INSTALLED FOR THE INTERIM LANDSCAPE.

LEGEND

- BOUNDARY
- 100mm ϕ EXISTING PVC DUCT
- 32mm ϕ PVC DUCT
- 50mm ϕ PVC DUCT
- 100mm ϕ PVC DUCT
- 225mm ϕ GAS PIPE
- JUNCTION CHAMBER
- IRRIGATION SOLENOID VALVE DISTRIBUTION BOARD
- TUDS
- IRRIGATION CONTROLLER
- REFER MEC DRAWINGS FOR LIGHTING SPECS
- POLE MOUNTED LIGHT
- HAND RAIL LIGHTING
- WALL LIGHTING
- EVENT LIGHTING
- CANOPY LIGHTING
- ARCHITECTURAL LIGHTING
- CLOAK LIGHTING
- SIGNAGE LIGHTING

KEY

- PL PARK LIGHT
- W WALL LIGHT
- K CANOPY LIGHT
- H HANDRAIL LIGHT
- SL STREET LIGHT
- CL CLOAK LIGHT
- RK ROCK LIGHT
- EV EVENT POWER
- DB2 DB2 SUB-MAIN
- EX SP EXISTING SPARE
- CR CRECHE LIGHT
- SP SPARE
- PC PHOTOCELL DUCTS
- LED LED STRIP
- T "T" LIGHTING DUCT
- COMM COMMS DUCT
- S SIGNAGE
- LP ROAD LOOP
- EX SL EXISTING STREET LIGHT
- IR IRRIGATION
- FS FIRE SERVICES
- AWM AUSTRALIAN WAR MEMORIAL

KEY: CABLES WITHIN DUCTING

NUMBER OF CABLES \rightarrow [2] Ex Sl \rightarrow [2] 100 ϕ

CABLE REFERENCE \rightarrow [] SIZE OF DUCTS

NOTES FOR MP-05-120

- SERVICES CROSSING PRECAST WALLS TO BE DIRECTED BELOW SITE CONCRETE WITH A MINIMUM CLEARANCE OF 300mm.
- EXISTING SERVICES HAVE BEEN CONSIDERED WHEN DETERMINING DUCT ROUTE.
- CANOPY LIGHT DISTRIBUTION WITHIN PAVILION STRUCTURE TO BE CONFIRMED BY ARCHITECT.
- PARK LIGHTING REQUIRES SHALLOW FOUNDATION AT THIS LOCATION DUE TO REDUCED COVER TO UNDERPASS ROOF. REFER STRUCTURAL DRAWINGS FOR DETAILS.
- OPTION TO RUN COMMS DUCTS THROUGH BALUSTRADE STRUCTURE UNDER REVIEW.
- ELECTRICAL DUCTING ACROSS UNDERPASS ROOF FOR FUTURE W.E. CONNECTION.
- GAS DUCTING ACROSS UNDERPASS ROOF FOR FUTURE POWERCO CONNECTION.
- NEW DUCTS TO BE INSTALLED BETWEEN EXISTING DUCT RUN AND EDGE OF UPSTAND KERB. REFER SECTION MP-05-220.
- FOR SCHEDULE OF LUMINAIRES REFER TO STREET LIGHTING DRAWING MP-10-101.
- MULTIPLE SOLENOIDS PRESENT AT THIS LOCATION. REFER IRRIGATION DRAWINGS.
- RUN DUCT TO INSIDE OF GARDEN BOUNDARY AND CAP PENDING CLOAK LIGHTING DETAILS. LOCATION AND DEPTH TO BE SURVEYED AND RECORDED FOR FUTURE EXTENSION.
- FOR IRRIGATION DETAILS REFER TO DRAWINGS MP-06-180 TO 880.
- PROPOSED SIGNAGE LIGHTING SUPPLY. ARCHITECT TO CONFIRM FINAL LOCATION.
- HAND RAIL TO BE SUPPLIED PRE-WIRED WITH 2M TAIL AT ENTRY POINT.
- DB2 COMMS DUCTS TO JOIN TO EXISTING SPARE DUCT AT THIS LOCATION.
- 225 DIA GAS DUCT SLEEVE TO BE CAPPED AT THIS POINT. LOCATION AND DEPTH TO BE SURVEYED AND RECORDED FOR FUTURE INSTALLATION BY POWERCO.
- IRRIGATION CONDUIT TO BE CAPPED AT THIS POINT FOR FUTURE CONNECTION TO AUSTRALIAN WAR MEMORIAL.
- HAND RAIL CABLE TO BE RUN IN CONDUIT IN VOID UNDER STEPS BETWEEN HAND RAILS WHERE THEY ARE ON THE SAME CIRCUIT.

- SERVICES CROSSING PRECAST WALLS TO BE DIRECTED BELOW SITE CONCRETE WITH A MINIMUM CLEARANCE OF 300mm.
- FOR IRRIGATION DETAILS, REFER TO DRAWINGS MP-06-180 TO 880.
- EXISTING SERVICES HAVE BEEN CONSIDERED WHEN DETERMINING DUCT ROUTE.
- OPTION TO RUN COMMS DUCTS THROUGH BALUSTRADE STRUCTURE UNDER REVIEW.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- NOTE DELETED.
- STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT FROM NEW TUDS. EXACT LOCATION OF TUDS TO BE CONFIRMED BY SERVICES TEAM.
- SPARE DUCTS INSTALLED FOR FUTURE PARK DEVELOPMENTS. DUCTS INSTALLED 300mm BELOW SITE CONCRETE.
- EXACT LOCATION OF STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT AT NEW TUDS IN TORY STREET TO BE CONFIRMED.
- FINAL DUCT TERMINATION DETAIL AT DB2 TO BE CONFIRMED.
- LOCATION OF PHOTOCELLS ON UNDERPASS WALL 2500mm ABOVE ROAD.
- EXISTING STREET LIGHT DUCT AND SPARE DUCT (UND-05-262) INSTALLED DURING DIVERSION WORKS TO BE USED FOR POWER AND COMMS TO DB2. SEE MP-05-100 AND 140.
- FOR IRRIGATION DETAILS REFER TO DRAWINGS MP-180 TO 880.
- FINAL DUCT/PIT INTERFACE AT ENDS OF BALUSTRADE TO BE CONFIRMED.
- 'T' LIGHTING DUCTS TO PENETRATE TEMPORARY WALL BELOW CUTOFF LEVEL. CAP FOR FUTURE ROUTE TO DUCT WITHIN ROAD SLAB. CLEARANCE BETWEEN BOTTOM OF TREE PIT AND DUCT TO BE 200mm MINIMUM.
- PULL PIT AT ROAD LEVEL FOR CONNECTION OF ROAD LOOP.
- TERMINATION/JUNCTION BOX AT ROAD LEVEL TO CONNECT/JOIN "T" LIGHTING CIRCUITS.
- EXACT LOCATION AND MOUNTING OF WALL LIGHTING AT CRECHE TO BE CONFIRMED.
- DUCTS PASS THROUGH UNDERPASS WALL AND TERMINATE ON LADDER WITHIN UNDERPASS.
- FINAL DETAILS OF CONDUIT RUNS TO "T" LIGHTS AND CONNECTION METHOD TO BE CONFIRMED.
- EXISTING STREET LIGHT DUCT INSTALLED DURING DIVERSION WORKS TO BE USED FOR NZTA CABLE TO ROAD LOOP.
- DUCTS TO RISE TO CHAMBER AFTER PASSING UNDER TREE PIT.
- DUCTS TO RISE TO HIGH LEVEL ON INSIDE OF TEMPORARY WALL FROM ROAD LOOP CONNECTION POINT TO CONNECT TO DUCTS AT THIS POINT.
- FOR SCHEDULE OF LUMINAIRES REFER TO STREET LIGHTING DRAWING MP-10-101.
- 'T' LIGHTING DUCT INSTALLED IN UNDERPASS FLOOR SLAB REFER TO DRAWING UND-12-038.
- MULTIPLE SOLENOIDS PRESENT AT THIS LOCATION. REFER IRRIGATION DRAWINGS.
- HAND RAIL TO BE SUPPLIED PRE WIRED WITH 2M TAIL AT ENTRY POINT.
- DUCTS IN STACKED FORMATION (TWO ROWS). SHOWN ON DRAWING AS SINGLE RED LINE FOR SIMPLICITY.

NOTES FOR MP-05-140

- SERVICES CROSSING PRECAST WALLS TO BE DIRECTED BELOW SITE CONCRETE WITH A MINIMUM CLEARANCE OF 300mm.
- FOR IRRIGATION DETAILS, REFER TO DRAWINGS MP-06-180 TO 880.
- EXISTING SERVICES HAVE BEEN CONSIDERED WHEN DETERMINING DUCT ROUTE.
- OPTION TO RUN COMMS DUCTS THROUGH BALUSTRADE STRUCTURE UNDER REVIEW.
- BARRIER ARMS. REFER MEC PACKAGE FOR DETAILS.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- NOTE DELETED.
- STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT FROM NEW TUDS. EXACT LOCATION OF TUDS TO BE CONFIRMED BY SERVICES TEAM.
- SPARE DUCTS INSTALLED FOR FUTURE PARK DEVELOPMENTS. DUCTS INSTALLED 300mm BELOW SITE CONCRETE.
- EXACT LOCATION OF STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT AT NEW TUDS IN TORY STREET TO BE CONFIRMED.
- FINAL DUCT TERMINATION DETAIL AT DB2 TO BE CONFIRMED.
- LOCATION OF PHOTOCELLS ON UNDERPASS WALL 2500mm ABOVE ROAD.
- EXISTING STREET LIGHT DUCT AND SPARE DUCT (UND-05-262) INSTALLED DURING DIVERSION WORKS TO BE USED FOR POWER AND COMMS TO DB2. SEE MP-05-100 AND 140.
- FOR IRRIGATION DETAILS REFER TO DRAWINGS MP-180 TO 880.
- FINAL DUCT/PIT INTERFACE AT ENDS OF BALUSTRADE TO BE CONFIRMED.
- 'T' LIGHTING DUCTS TO PENETRATE TEMPORARY WALL BELOW CUTOFF LEVEL. CAP FOR FUTURE ROUTE TO DUCT WITHIN ROAD SLAB. CLEARANCE BETWEEN BOTTOM OF TREE PIT AND DUCT TO BE 200mm MINIMUM.
- PULL PIT AT ROAD LEVEL FOR CONNECTION OF ROAD LOOP.
- TERMINATION/JUNCTION BOX AT ROAD LEVEL TO CONNECT/JOIN "T" LIGHTING CIRCUITS.
- EXACT LOCATION AND MOUNTING OF WALL LIGHTING AT CRECHE TO BE CONFIRMED.
- DUCTS PASS THROUGH UNDERPASS WALL AND TERMINATE ON LADDER WITHIN UNDERPASS.
- FINAL DETAILS OF CONDUIT RUNS TO "T" LIGHTS AND CONNECTION METHOD TO BE CONFIRMED.
- EXISTING STREET LIGHT DUCT INSTALLED DURING DIVERSION WORKS TO BE USED FOR NZTA CABLE TO ROAD LOOP.
- DUCTS TO RISE TO CHAMBER AFTER PASSING UNDER TREE PIT.
- DUCTS TO RISE TO HIGH LEVEL ON INSIDE OF TEMPORARY WALL FROM ROAD LOOP CONNECTION POINT TO CONNECT TO DUCTS AT THIS POINT.
- FOR SCHEDULE OF LUMINAIRES REFER TO STREET LIGHTING DRAWING MP-10-101.
- 'T' LIGHTING DUCT INSTALLED IN UNDERPASS FLOOR SLAB REFER TO DRAWING UND-12-038.
- MULTIPLE SOLENOIDS PRESENT AT THIS LOCATION. REFER IRRIGATION DRAWINGS.
- HAND RAIL TO BE SUPPLIED PRE WIRED WITH 2M TAIL AT ENTRY POINT.
- DUCTS IN STACKED FORMATION (TWO ROWS). SHOWN ON DRAWING AS SINGLE RED LINE FOR SIMPLICITY.

- SERVICES CROSSING PRECAST WALLS TO BE DIRECTED BELOW SITE CONCRETE WITH A MINIMUM CLEARANCE OF 300mm.
- FOR IRRIGATION DETAILS, REFER TO DRAWINGS MP-06-180 TO 880.
- EXISTING SERVICES HAVE BEEN CONSIDERED WHEN DETERMINING DUCT ROUTE.
- OPTION TO RUN COMMS DUCTS THROUGH BALUSTRADE STRUCTURE UNDER REVIEW.
- BARRIER ARMS. REFER MEC PACKAGE FOR DETAILS.
- EXISTING STREET LIGHT DUCTING ALONG BUCKLE STREET INSTALLED DURING DIVERSION WORKS TO BE USED FOR NEW STREET LIGHTING POWER SUPPLY.
- NOTE DELETED.
- STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT FROM NEW TUDS. EXACT LOCATION OF TUDS TO BE CONFIRMED BY SERVICES TEAM.
- SPARE DUCTS INSTALLED FOR FUTURE PARK DEVELOPMENTS. DUCTS INSTALLED 300mm BELOW SITE CONCRETE.
- EXACT LOCATION OF STREET LIGHT CONNECTION TO W.E. STREET LIGHTING RIPPLE CONTROL CIRCUIT AT NEW TUDS IN TORY STREET TO BE CONFIRMED.
- FINAL DUCT TERMINATION DETAIL AT DB2 TO BE CONFIRMED.
- LOCATION OF PHOTOCELLS ON UNDERPASS WALL 2500mm ABOVE ROAD.
- EXISTING STREET LIGHT DUCT AND SPARE DUCT (UND-05-262) INSTALLED DURING DIVERSION WORKS TO BE USED FOR POWER AND COMMS TO DB2. SEE MP-05-100 AND 140.
- FOR IRRIGATION DETAILS REFER TO DRAWINGS MP-180 TO 880.
- FINAL DUCT/PIT INTERFACE AT ENDS OF BALUSTRADE TO BE CONFIRMED.
- 'T' LIGHTING DUCTS TO PENETRATE TEMPORARY WALL BELOW CUTOFF LEVEL. CAP FOR FUTURE ROUTE TO DUCT WITHIN ROAD SLAB. CLEARANCE BETWEEN BOTTOM OF TREE PIT AND DUCT TO BE 200mm MINIMUM.
- PULL PIT AT ROAD LEVEL FOR CONNECTION OF ROAD LOOP.
- TERMINATION/JUNCTION BOX AT ROAD LEVEL TO CONNECT/JOIN "T" LIGHTING CIRCUITS.
- EXACT LOCATION AND MOUNTING OF WALL LIGHTING AT CRECHE TO BE CONFIRMED.
- DUCTS PASS THROUGH UNDERPASS WALL AND TERMINATE ON LADDER WITHIN UNDERPASS.
- FINAL DETAILS OF CONDUIT RUNS TO "T" LIGHTS AND CONNECTION METHOD TO BE CONFIRMED.
- EXISTING STREET LIGHT DUCT INSTALLED DURING DIVERSION WORKS TO BE USED FOR NZTA CABLE TO ROAD LOOP.
- DUCTS TO RISE TO CHAMBER AFTER PASSING UNDER TREE PIT.
- DUCTS TO RISE TO HIGH LEVEL ON INSIDE OF TEMPORARY WALL FROM ROAD LOOP CONNECTION POINT TO CONNECT TO DUCTS AT THIS POINT.
- FOR SCHEDULE OF LUMINAIRES REFER TO STREET LIGHTING DRAWING MP-10-101.
- 'T' LIGHTING DUCT INSTALLED IN UNDERPASS FLOOR SLAB REFER TO DRAWING UND-12-038.
- MULTIPLE SOLENOIDS PRESENT AT THIS LOCATION. REFER IRRIGATION DRAWINGS.
- HAND RAIL TO BE SUPPLIED PRE WIRED WITH 2M TAIL AT ENTRY POINT.
- DUCTS IN STACKED FORMATION (TWO ROWS). SHOWN ON DRAWING AS SINGLE RED LINE FOR SIMPLICITY.

KEY: CABLES WITHIN DUCTING

NUMBER OF CABLES \rightarrow [2] Ex Sl \rightarrow [2] 100 ϕ

CABLE REFERENCE \rightarrow [] SIZE OF DUCTS

SH1 WELLINGTON INNER CITY IMPROVEMENTS		NOT FOR CONSTRUCTION	
MEMORIAL PARK - 05 UTILITIES PROPOSED DRY SERVICES NOTES, KEY AND LEGEND		DETAILED DESIGN	
Document Controller: <i>MAW</i> Date: 10/01/14		Drawing Number: MP-05-010	
This drawing is not to be used for construction purposes unless signed approved and issued for construction		Revision: A	

DRAFT



Memorial Park Alliance

Tab	MP-05-010	Scale	NTS
Drawn	MKV	Checked	MSK
Revision	A	Original	Size A1

Z:\CAD_01\W01\CAD\01_Dwgs\05 UTILITIES\MEMORIAL PARK (MP) Dwgs\MP-05-010.dwg PRINTED BY: MKV 10-Jan-14 3:15 p.m.