

DEVELOPER CONTRACT PLAN

NOTES :-
 WATER SERVICES COORDINATOR & DESIGNER:
 AT&A & ASSOCIATES
 17, 153 WILKINSON ST, MORRIS STONEY NSW 2060
 PH: (02)9439 1777 FAX: (02)9460 8415

FOR:
 NSW LAND AND WATER SERVICES CORPORATION
 LVL 4, 4 PARAMOUNT SQUARE, 12 DANCY STREET, PARAMOUNTA 2150
 PH: 0439 666 883

1. ALL WORKS & MATERIALS ARE TO BE IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA (NSA 03-2011-3.1 SYDNEY EDITION - 2014).
2. SERVICES SHOWN IN PLAN ARE BASED ON SURVEY PROVIDED BY UNITY MARKING DRAWING NSW03-405-01, DATED 27/06/23. UNIDENTIFIED SERVICES MAY STILL BE PRESENT ON SITE. ANY UNIDENTIFIED SERVICES LOCATED SHOULD BE IDENTIFIED AND MARKED PRIOR TO CONSTRUCTION.
3. THE CONSTRUCTOR IS TO DETERMINE LEVELS & LOCATIONS OF SERVICES PRIOR TO CONSTRUCTION.
4. MAIN LAD GENERALLY AT MIN. 750 COVER BELOW EXISTING SURFACE UNLESS OTHERWISE SHOWN ON PLAN.
5. CONSTRUCTOR TO COORDINATE AND LIAISE WITH ALL RELEVANT AUTHORITIES.
6. PRECAUTIONS TO BE TAKEN WHERE NECESSARY IN THE VICINITY OF SUB-STATION EARTHING.
7. ALL STRUCTURES TO BE CONSTRUCTED TO PROPOSED FINISHED SURFACE LEVELS. THE CONSTRUCTOR IS TO LIAISE WITH THE SITE SUPERINTENDENT REGARDING USE OF 20:1 STABILISED SAND CEMENT IN (LEU) OF EMBANKMENT AND/OR TRENCH FILL COMPACTION TESTING.
8. THE EMBANKMENT OF THE MAINS SHALL BE CEMENT STABILISED SAND TYPE 'L', AS PER WM-1204-V.
9. CONSTRUCTOR TO LIAISE WITH SITE SUPERINTENDENT REGARDING USE OF 20:1 STABILISED SAND CEMENT IN (LEU) OF EMBANKMENT AND/OR TRENCH FILL COMPACTION TESTING.
10. BREAK OUT AND GROUT FILL EXISTING DN100 S.C.C.L. WATERMAIN ACROSS COPPER STREET (71.6m APPROX.). BREAK OUT AND GROUT FILL EXISTING DN200 S.C.C.L. WATERMAIN ACROSS WENTWORTH STREET (65.9m APPROX.). CONNECTIONS/RECONNECTIONS SHOWN IN THIS PLAN ARE INDICATIVE ONLY AND THESE ARE TO BE DETERMINED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION. THE CONSTRUCTOR IS TO DETERMINE THE LOCATION OF CONNECTIONS/RECONNECTIONS TO BE DETERMINED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.
11. RECOVER SURFACE FITTINGS & TRANSFER SERVICES AS REQUIRED. SIZE & TYPE OF WATER SERVICE CONNECTIONS/RECONNECTIONS SHOWN IN THIS PLAN ARE INDICATIVE ONLY AND THESE ARE TO BE DETERMINED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION. THE CONSTRUCTOR IS TO DETERMINE THE LOCATION OF CONNECTIONS/RECONNECTIONS TO BE DETERMINED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.
12. CONSTRUCTION TESTS TO BE INSTALLED IN ACCORDANCE WITH CLAUSE 19.3 OF NSA 03-2011-3.1: PIPE EMBANKMENT ZONE - REFER NOTE 8 & 21. TRENCH FILL ZONE - NON TRAFFICABLE. NL REFER NOTE 22.
13. DEFLECTIONS MAY BE ACHIEVED BY EASING MAIN AT PIPE JOINTS & MAY REQUIRE EASING AT MULTIPLE PIPE JOINTS TO ACHIEVE REQUIRED DEFLECTIONS. PIPE DEFLECTIONS SHALL NOT EXCEED MANUFACTURERS RECOMMENDATIONS AND IS TO BE DONE IN ACCORDANCE TO WA-1250-S V3 & WA-1251-S V3.
14. WATER MAIN TO CROSS UNDER/OVER THE EXISTING SERVICES WITH THE MINIMUM CLEARANCES SPECIFIED IN TABLE 1 & TABLE 3.5 OF WATER SUPPLY CODE OF AUSTRALIA (NSA 03-2011-3.1 SYDNEY EDITION - 2014).
15. SURFACE CONDITIONS, INCLUDING FILL, CROUCHWATER, CONTAMINATION, AND UNRECOVERED BURIED MATERIAL OR OBJECTS ENCOUNTERED DURING CONSTRUCTION TO BE NOTIFIED TO DESIGNER FOR FURTHER GEOTECHNICAL ASSESSMENT AND APPLICATION OF THE APPROPRIATE CONSTRUCTION METHODS AND STANDARDS.
16. STREET WATER REQUIREMENTS FOR CONTRACTOR ELECTRICAL SAFETY TO BE APPLIED IN CONJUNCTION WITH THE STREET SAFETY PLAN AND THE WORK METHOD STATEMENT.
17. FOR WORKS-CONTROLLED PURPOSES (FITTINGS, TEST BENCHES AND EVERY CHANGE OF DIRECTION, VERTICAL ALIGNMENT, AND ALL OTHER WORKS), THE CONSTRUCTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF A SIGNAGE AND SHARED BY THE SITE SUPERVISOR AND APPROVED BY THE WATER SERVICES CO-ORDINATOR. RELEVANT SIGNAGE SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE WORKS. SIGNAGE SHALL NOT BE TOYED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION. THE CONSTRUCTOR IS TO DETERMINE THE LOCATION OF SIGNAGE TO BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE WORKS. SIGNAGE SHALL NOT BE TOYED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.
18. EXISTING EXHIBIT MAINS TO BE INTERCEPTED ON NEW MAIN RECOVER SURFACE FITTINGS AND MAINS TO BE BROKEN OUT AND GROUT FILLED DURING CONSTRUCTION. REFER NOTE 10.
19. PLAN PREPARED ON COORDINATES
20. ALL SURFACE FITTINGS TO HAVE CLASS 'D' LIDS AS PER WA-1205-V & WA-1206-V.
21. THE LAYOUT AND CONNECTIONS FOR FITTINGS/SERVICES SUBJECT TO S.W.C. APPROVAL. PRIORS TO INSTALLATION APPLICATION VIA THE-INS. CONSTRUCTOR TO LIAISE WITH THE SITE SUPERINTENDENT TO CONFIRM SIZE, LOCATION & STATUS OF S.W.C. APPROVAL PRIOR TO INSTALLATION.
22. THE MINIMUM NUMBER OF COMPACTION TESTS REQUIRED TO SATISFY THE S.W.C. CODE OF AUSTRALIA (CLAUSE 22.3.4.4) AND STONEY WATERS TECHNICAL SPECIFICATION - CIVIL SHALL BE DETERMINED AND INCLUDED IN THE WORK METHOD STATEMENT. THE CONSTRUCTOR IS TO DETERMINE THE LOCATION OF TESTS TO BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE WORKS. SIGNAGE SHALL NOT BE TOYED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.
23. ALL FITTINGS TO BE INSTALLED IN ACCORDANCE WITH THE S.W.C. CODE OF AUSTRALIA (CLAUSE 22.3.4.4) AND STONEY WATERS TECHNICAL SPECIFICATION - CIVIL SHALL BE DETERMINED AND INCLUDED IN THE WORK METHOD STATEMENT. THE CONSTRUCTOR IS TO DETERMINE THE LOCATION OF TESTS TO BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE WORKS. SIGNAGE SHALL NOT BE TOYED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.
24. DOUBLE IRON PIPES IN ACCORDANCE WITH WA-95-201 & AS2280. ALL CEMENT MORTAR LINED PIPES OF SIZE DN100 AND LESS SHALL BE GALVANIZED. FITTINGS SHALL BE GALVANIZED TO MATCH THE PIPE. GALVANIZED FITTINGS SHALL BE GALVANIZED TO MATCH THE PIPE. GALVANIZED FITTINGS SHALL BE GALVANIZED TO MATCH THE PIPE. GALVANIZED FITTINGS SHALL BE GALVANIZED TO MATCH THE PIPE.
25. DEFLECTIONS AT JOINTS TO BE LIMITED TO MANUFACTURERS LIMITS UNLESS OTHERWISE STATED TO BE COMPATIBLE WITH STONEY WATER STANDARDS.

DEEMED TO COMPLY :-

1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STONEY WATER DEEMED TO COMPLY GUIDELINES AND DETAILS.
2. CONSTRUCTOR SHALL HAVE A COPY OF THE CURRENT STONEY WATER DEEMED TO COMPLY DRAWINGS REFERRED BELOW AT ALL TIMES & THE DESIGN PLANS SHALL BE READ IN CONJUNCTION WITH THE RELEVANT DEEMED TO COMPLY DETAIL.
- 2.1. REFER DTC 1110 - THRUST BLOCK DETAILS D.I.C.L. & P.V.C. S.D. DN200 PIPE 1 - ISSUE A 31/01/2012
- 2.2. REFER DTC 1111 - THRUST BLOCK DETAILS D.I.C.L. & P.V.C. S.D. DN200 PIPE 2 - ISSUE B 29/02/2012
- 2.3. REFER DTC 1112 - THRUST BLOCK DETAILS P.V.C. S.D. DN200 PIPE 3 - ISSUE B 29/02/2012
- 2.4. REFER DTC 1113 - THRUST BLOCK DETAILS P.V.C. S.D. DN200 PIPE 4 - ISSUE B 29/02/2012
- 2.5. REFER DTC 1114 - ANCHORAGE DETAILS D.I.C.L. & P.V.C. WATER MAINS DN200 - ISSUE B 29/02/2012
- 2.6. REFER DTC 1126 - CROSSINGS UNDER OBSTRUCTIONS WATER S.D. DN200 - ISSUE A 31/01/2012

WATER SUPPLY CODE NSA-03 BRANNING:

1. REFER TO WA-1204-V - SPECIAL EMBANKMENT TYPE 'L' - VERSION 2 ISSUED 2017
2. REFER TO WA-1250-S - SHINGLED TRENCH DETAILS THROUGHOUT AND DISTRIBUTION MAINS DN100 TO DN175 - VERSION 3 ISSUED 2012
3. REFER TO WA-1301-V - TYPICAL VALVE & HYDRANT INSTALLATION - VERSION 2 ISSUED 2012
4. REFER TO WA-1303-V/WM-1304-V - TYPICAL SURFACE FITTING INSULATION HYDRANT - VERSION 2 ISSUED 2012
5. REFER TO WA-1305-V/WM-1306-V - TYPICAL SURFACE FITTING INSULATION HYDRANT - VERSION 3 ISSUED 2012

NO AMENDMENTS ARE TO BE MADE TO THE PLAN UNLESS APPROVED BY THE WATER SERVICES COORDINATOR. ANY AMENDMENTS TO THE PLAN SHALL BE MADE BY THE CONSTRUCTOR AND APPROVED BY THE WATER SERVICES COORDINATOR. THE CONSTRUCTOR IS TO BE RESPONSIBLE FOR THE PROVISION OF A SIGNAGE AND SHARED BY THE SITE SUPERVISOR AND APPROVED BY THE WATER SERVICES CO-ORDINATOR. RELEVANT SIGNAGE SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE WORKS. SIGNAGE SHALL NOT BE TOYED BY THE CONSTRUCTOR PRIOR TO CONSTRUCTION.

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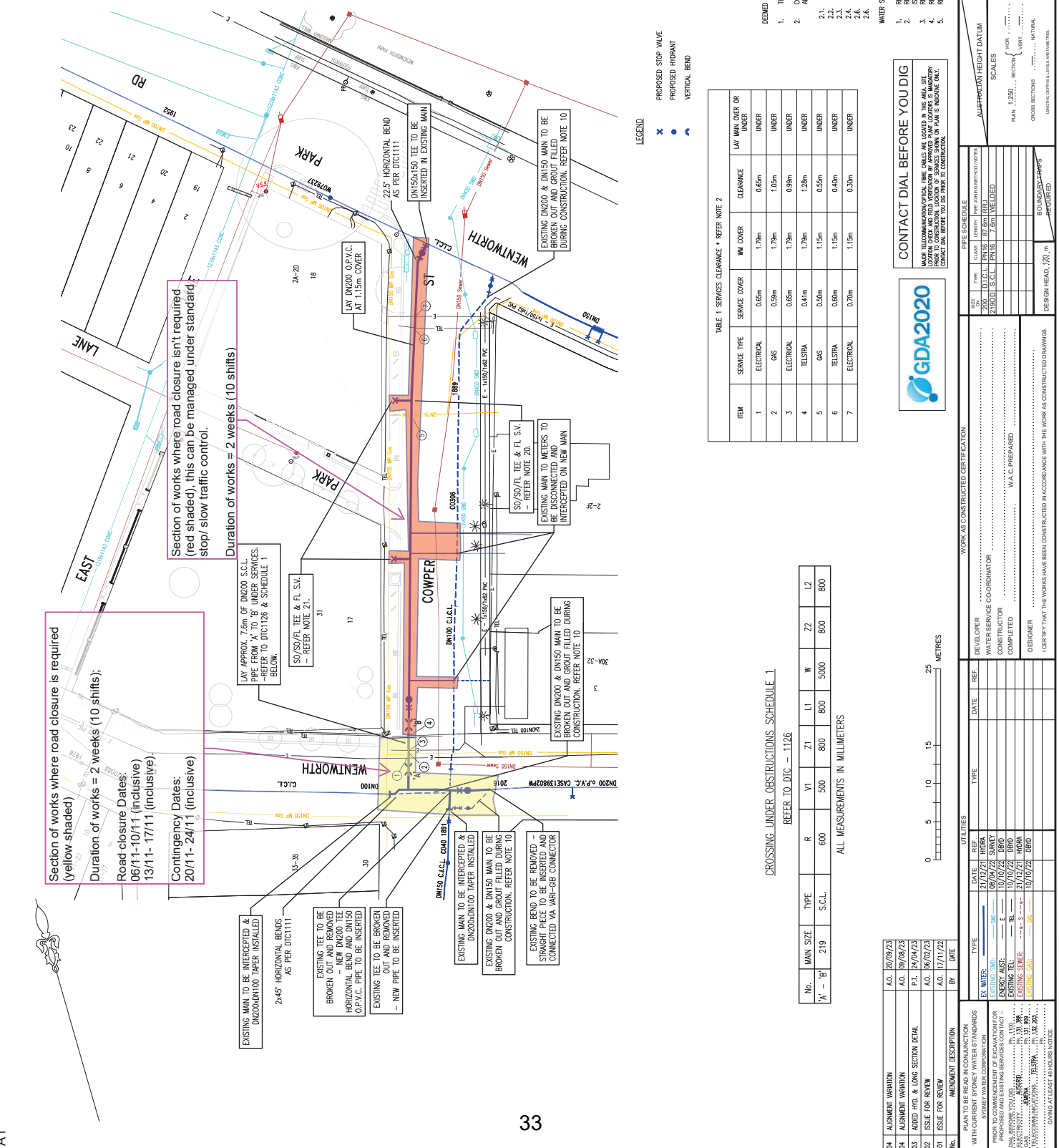


TABLE 1 SERVICES CLEARANCE • REFER NOTE 2

ITEM	SERVICE TYPE	SERVICE COVER	WM COVER	CLEARANCE	LIFT MAIN OVER OR UNDER
1	ELECTRICAL	0.65m	1.79m	0.65m	UNDER
2	GAS	0.99m	1.79m	1.00m	UNDER
3	ELECTRICAL	0.65m	1.79m	0.99m	UNDER
4	TELSTRA	0.44m	1.79m	1.29m	UNDER
5	GAS	0.99m	1.15m	0.50m	UNDER
6	TELSTRA	0.60m	1.15m	0.40m	UNDER
7	ELECTRICAL	0.70m	1.15m	0.30m	UNDER

CROSSING UNDER OBSTRUCTIONS SCHEDULE 1
 REFER TO DTC - 1126

ALL MEASUREMENTS IN MILLIMETERS

No.	MAIN SIZE	TYPE	R	V1	Z1	L1	W	Z2	L2
'A' - 'B'	219	S.C.C.L.	600	500	800	800	5000	800	800

CONTACT DIAL BEFORE YOU DIG
 MAJOR TELECOMMUNICATION SERVICE PROVIDERS ARE LOCATED IN THIS AREA. SITE VISITORS SHOULD CONTACT THESE PROVIDERS PRIOR TO CONSTRUCTION. LOCATIONS OF SERVICES SHOWN ON PLAN ARE INDICATIVE ONLY. CONTACT DIAL BEFORE YOU DIG PRIOR TO CONSTRUCTION.



PIPE SCHEDULE

SIZE	TYPE	MANUFACTURER	CONNECTIONS
DN200	D.I.C.L.	PR16	87.60m BELL
DN200	S.C.C.L.	PR16	7.00m WELDED

WORKS AS CONSTRUCTED CERTIFICATION

DEVELOPER	DATE	TYPE	REF.
WATER SERVICES COORDINATOR			
CONSTRUCTOR			
DESIGNER			

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STONEY WATER CORPORATION
WATER
 CASE NO. 196477PW
 WATERMAIN EXTENSION
 COPPER STREET
 GLEBE

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AUSPICIOUS HEIGHT DATUM

SCALE	PLAN	CROSS SECTION
1:250	AS SHOWN	AS SHOWN

DESIGN HEAD: 2.00 m

BOUNDARY POINTS

DESIGNER: AT&A & ASSOCIATES

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