

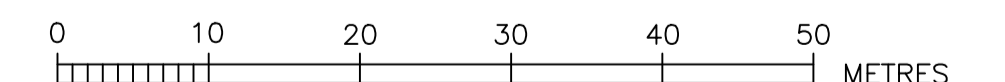
LOCALITY PLAN
(NOT TO SCALE)

NOTES :-

WATER SERVICING CO-ORDINATOR,
SURVEY, DESIGN & FINAL PLANS PREPARED BY:
MetroWater MANAGEMENT
P.O. BOX 3220, RHODES NSW 2138
PH. 9876-8395 FAX 9869-2341

FOR: THIRTEENTH AVENUE 230 PTY LTD
P.O. BOX R562, ROYAL EXCHANGE NSW 1225
PH. 8259-8080

- MAIN TO BE LAID GENERALLY 2.4 P.L. AT STANDARD DEPTH BELOW TOP OF KERB EXCEPT WHERE OTHERWISE INDICATED.
- THE PROPOSED WORKS DETAILED HERE ON TO BE CONSTRUCTED IN ACCORDANCE WITH THE WATER SERVICES ASSOCIATION OF AUSTRALIA - WATER SUPPLY CODE OF AUSTRALIA WSA 03-2011-3.1 SYDNEY WATER EDITION. THE CONTRACTOR MUST HAVE A COPY OF THIS DOCUMENT ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED IN THE REVIEW OF ENVIRONMENTAL FACTORS (R.E.F.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN THE PROJECT SAFETY PLAN (P.S.P.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS IN THE INSPECTION TEST PLAN (I.T.P.) ASSOCIATED WITH THIS DESIGN.
- THE CONTRACTOR TO SUBMIT A CONSTRUCTION PROGRAM TO THE PROJECT MANAGER PRIOR TO COMMENCEMENT OF WORKS INCLUDING:
 - ENVIRONMENTAL MANAGEMENT PLAN (EMP)
 - PROJECT SAFETY PLAN
 - FLOW MANAGEMENT PLAN (IF APPLICABLE)
- SILTATION CONTROLS, SITE RESTORATION AND ENVIRONMENTAL REQUIREMENTS TO BE CARRIED OUT TO THE SATISFACTION OF THE WATER SERVICES CO-ORDINATOR OR THEIR FIELD REPRESENTATIVE.
- MAIN LAYING NOT TO PROCEED PRIOR TO THE FORMATION OF FOOTWAYS TO FINISHED SURFACE LEVELS.
- JOINT USE OF UTILITY SERVICES TRENCH IN THIS AREA.
- THE MINIMUM NUMBER OF FIELD COMPACTION TESTS REQUIRED TO SATISFY STANDARDS IS AS FOLLOWS:
 - TRENCHES IN ROADWAY:-
TRENCH FILL ZONE TO BE BACKFILLED USING 14:1 SAND/CEMENT MIX TO ROADBASE LEVEL, NO COMPACTION REQUIRED.
 - TRENCHES NOT IN ROADWAY:-
TRENCH FILL ZONE: (1 TEST PER 900mm LAYER/100m) = XX
 - EMBEDMENT ZONE:- NIL
(USING 7mm/10mm/14mm SINGLE-SIZED AGGREGATES)
- MAIN TO METER WATER SERVICE CONNECTION POSITIONS SHOWN THUS:-
 - PROPOSED ROAD CROSSINGS
 - PROPOSED TWIN WATER SERVICES
 - PROPOSED SINGLE WATER SERVICE
- ALL WATER MAINS TO BE CONSTRUCTED OVER STORMWATER DRAINS UNLESS NOTED OTHERWISE.
- ALL VALVES AND FITTINGS TO BE RESTRAINED IN ACCORDANCE WITH RELEVANT DEEMED-TO-COMPLY DRAWINGS (REFER TO TABLE 1).
- SERVICES SHOWN ARE INDICATIVE ONLY. A CURRENT SERVICES SEARCH AND SITE CHECK OF ALL EXISTING SERVICES WILL BE NECESSARY PRIOR TO COMMENCEMENT OF THE WORK AND APPROPRIATE PROCEDURES, PRECAUTIONS AND CARE NEED TO BE TAKEN WHEN WORKING WITHIN CLOSE PROXIMITY OF ANY SERVICES. ANY DAMAGE TO EXISTING SERVICES TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
- ALL PROPERTY (MAIN TO METER) SERVICES MUST BE CONSTRUCTED TO SYDNEY WATER'S INSTALLATION REQUIREMENTS BY A LICENSED PLUMBER. THE WORKS MUST BE INSTALLED IN ACCORDANCE WITH THE CURRENT SYDNEY WATER PROPERTY (MAIN TO METER) SERVICE INSTALLATIONS TECHNICAL REQUIREMENTS, NSW CODE OF PRACTICE FOR PLUMBING AND DRAINAGE AND AS/NZS3500.
- ⊕ DENOTES WHERE THE NEW MAIN CROSSES A ROADWAY, A MINIMUM OF 750mm COVER SHALL BE MAINTAINED BELOW THE ROAD PAVEMENT.
- DEFLECTIONS MAY BE ACHIEVED BY EASING MAIN AT PIPE JOINTS. PIPE DEFLECTIONS SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATION.
- CONTRACTOR TO INVESTIGATE MAIN CONNECTION LOCATION PRIOR TO MAINLAYING, WHICH COULD INCLUDE POTHOLES ADJACENT SERVICES THAT MAY IMPACT THE CONNECTION.
- BURIED FITTINGS ARE NOT TO BE BACKFILLED UNTIL WORK-AS-CONSTRUCTED DETAILS HAVE BEEN OBTAINED BY THE DESIGNER AND APPROVAL FOR BACKFILLING GIVEN BY THE W.S.C.
- DISCONNECT AND DISUSE APPROX. 161.0m OF DN250 C.I.C.L. MAIN 'Y'-'Z', RECOVER SURFACE FITTINGS AND TRANSFER SERVICES. DISUSED SECTION OF MAIN TO BE BROKEN OUT DURING CONSTRUCTION.
- DISCONNECT AND DISUSE APPROX. 228.0m OF DN100 C.I.C.L. MAIN 'W'-'X', RECOVER SURFACE FITTINGS AND TRANSFER SERVICES. DISUSED SECTION OF MAIN TO BE BROKEN OUT DURING CONSTRUCTION.



REF: 188-20

DRAWING LIST			
DWG. No.	TITLE	REVISION	DATE

No.	DESCRIPTION	DRAWING No.	ISSUE	DATE
1	HORIZONTAL BENDS	DTC-1110	A	31/01/12
2	TAPERS	DTC-1112	B	29/02/12
3	TEES	DTC-1113	B	29/02/12
4	VERTICAL BENDS & HYDRANT BENDS	DTC-1114	A	31/01/12
5	ANCHORAGE DETAILS - STOP VALVES	DTC-1115	B	29/02/12

TABLE 1: APPLICABLE DEEMED-TO-COMPLY DRAWINGS

NOT FOR CONSTRUCTION

CAUTION
EXISTING SERVICES ALLOCATED IN FOOTPATH RESERVE ARE SUBJECT TO VARIABLE PLACEMENT. THE CONTRACTOR IS REQUIRED TO ACQUIRE THE LATEST SEARCH INFORMATION & FIELD CHECK AT THE TIME OF WORKS.

CAUTION
DANGEROUS SERVICES EXIST IN THE AREA OVERHEAD POWER & COMMS, PROPOSED UNDERGROUND ELECTRICAL AND FIBRE OPTIC CABLES

02	REVISED ORIGINAL ISSUE	R.C.	22/03/23
01	ORIGINAL ISSUE	R.C.	13/08/21
No.	AMENDMENT DESCRIPTION	BY	DATE

PLAN TO BE READ IN CONJUNCTION WITH CURRENT SYDNEY WATER STANDARDS SYDNEY WATER CORPORATION

PRIOR TO COMMENCEMENT OF EXCAVATION FOR PROPOSED AND EXISTING SERVICES CONTACT:-

DIAL BEFORE YOU DIG Ph. 1100
ELECTRICITY ENDEAVOUR ENERGY Ph. 131 003
GAS JEMENA GAS Ph. 131 909
TELECOMMUNICATIONS TELSTRA Ph. 132 203
NBN Ph. 1800 628 329
GIVING AT LEAST 48 HOURS NOTICE.

UTILITIES			
TYPE	DATE	REF.	TYPE
SEWER: s			HYDRA
PROP SEWER: s			DES
STORMWATER: SWD			ENG
PROP STORMWATER: SWD			ENG
GAS: G			SURVEY
COMMS: NBN			SURVEY

WORK AS CONSTRUCTED CERTIFICATION		
DEVELOPER	WATER SERVICE CO-ORDINATOR	CONSTRUCTOR
DESIGNER		
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS.		

PIPE SCHEDULE				
SIZE (DN)	TYPE	CLASS	LENGTH	PIPE JOINING METHOD / NOTES
250	P.V.C.	PN16	154.00	
150	P.V.C.	PN16	357.00	
100	P.V.C.	PN16	1156.50	
250	D.I.C.L.	PN35	6.50	

AUSTRALIAN HEIGHT DATUM	
PLAN	SECTION
1:500	HOR.
	VERT.
CROSS SECTIONS NATURAL	
LENGTH, DEPTH & LEVELS ARE IN METRES.	

NO AMENDMENTS ARE TO BE MADE TO THIS PLAN WITHOUT REFERENCE TO SYDNEY WATER. THIS PLAN IS NOT NECESSARILY UP TO DATE OR CORRECT AND SYDNEY WATER ACCEPTS NO RESPONSIBILITY.

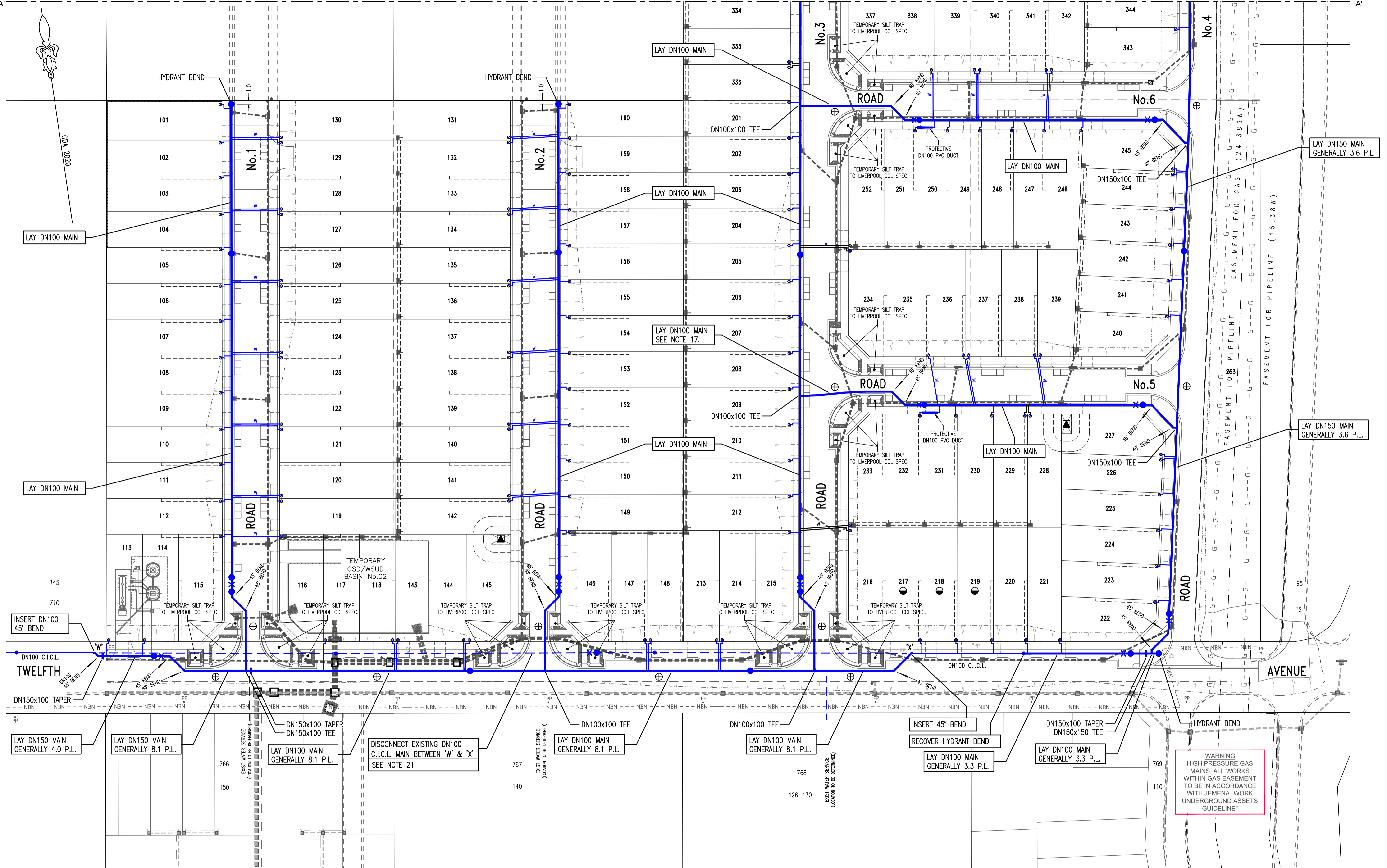
U.B. DIRECTORY 266, L6 (41st ED)

SHEET . 1 . OF File No. N/A

Sydney WATER SYDNEY WATER CORPORATION

Case No. PW

POTABLE WATER MAIN EXTENSION
PROPOSED ESTATE ROADS
50 & 56-60 TWELFTH AVENUE
AUSTRAL LIVERPOOL



WARNING
HIGH PRESSURE GAS
MANS. ALL WORKS
WITHIN GAS EASEMENT
TO BE IN ACCORDANCE
WITH JEMENA "WORK
UNDERGROUND ASSETS
GUIDELINE"

**NOT FOR
CONSTRUCTION**



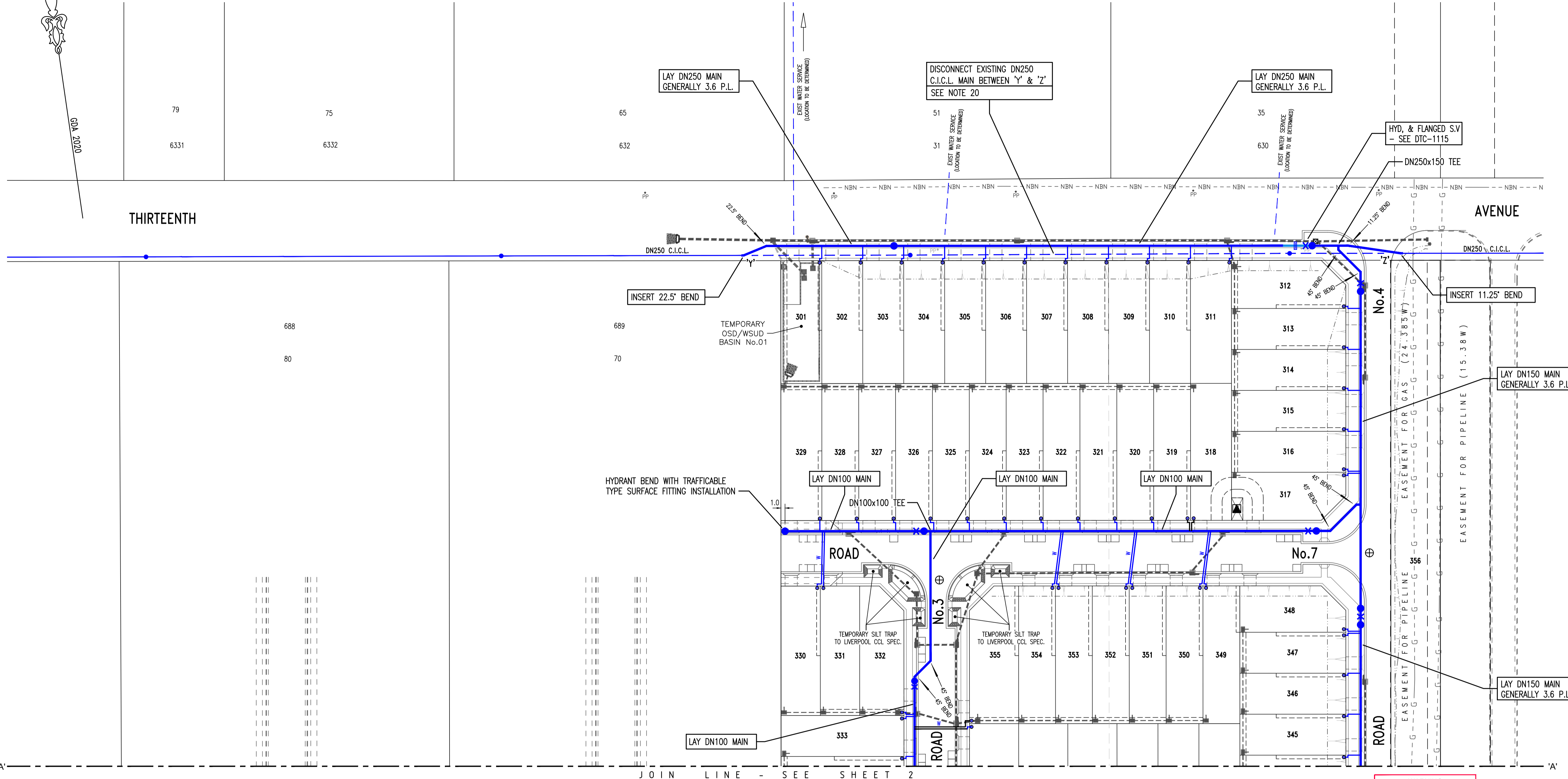
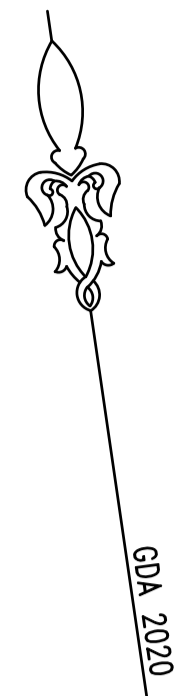
- ▲ DENOTES EASEMENT FOR PADMOUNT SUBSTATION
- ⊕ SEE NOTE 16.
- DN20 PROPERTY WATER SERVICE MAIN TO METER TO BE INSTALLED IN EXISTING DN100 MAIN AS LIVE DRILLING.

REF: 188-20

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	W.S.C.	Sydney WATER	
CONSTRUCTOR	COMPLETED		
DESIGNER	W.A.C. PREPARED	Case No. PW	SHT 2 OF SHTS.
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		SYDNEY WATER CORPORATION	
FOR DETAILS OF SERVICES SEE SHEET 1		APPROVAL DATE: .	

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PLAN DRAWN DATE: VERSION: 02 SHEET 2 OF SHEETS



INSERT 22.5' BEND

TEMPORARY OSD/WSUD BASIN No.01

HYDRANT BEND WITH TRAFFICABLE TYPE SURFACE FITTING INSTALLATION

LAY DN100 MAIN

LAY DN100 MAIN

LAY DN100 MAIN

LAY DN100 MAIN

TEMPORARY SILT TRAP TO LIVERPOOL CCL SPEC.

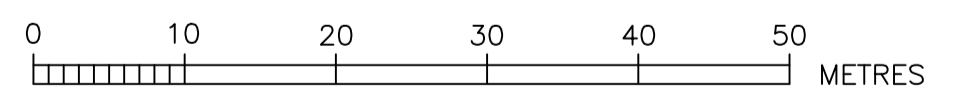
TEMPORARY SILT TRAP TO LIVERPOOL CCL SPEC.

LAY DN150 MAIN GENERALLY 3.6 P.L.

LAY DN150 MAIN GENERALLY 3.6 P.L.

WARNING
HIGH PRESSURE GAS MAINS. ALL WORKS WITHIN GAS EASEMENT TO BE IN ACCORDANCE WITH JEMENA "WORK UNDERGROUND ASSETS GUIDELINE"

NOT FOR CONSTRUCTION



⊠ DENOTES EASEMENT FOR PADMOUNT SUBSTATION
⊕ SEE NOTE 16.

REF: 188-20

WORK AS CONSTRUCTED CERTIFICATION		SYDNEY WATER CORPORATION	
DEVELOPER	W.S.C.	Sydney WATER	
CONSTRUCTOR	COMPLETED		
DESIGNER	W.A.C. PREPARED	Case No.PW	SHT 3 OF SHTS.
I CERTIFY THAT THE WORKS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE WORK AS CONSTRUCTED DRAWINGS		SYDNEY WATER CORPORATION FOR DETAILS OF SERVICES SEE SHEET 1	

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PLAN DRAWN DATE: VERSION: 02 SHEET 3 OF 3 SHEETS