# NEWHAVEN ESTATE STAGE 19 PEET NO.1895 PTY LTD

# GENERAL NOTES:

#### <u>SURVEY</u>

- 1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
- 2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- 3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH PEET'S MODIFIED AS4000-1997 AMENDED FROM GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB

#### EARTHWORKS

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL 29. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES IS DENOTED IN THE SCHEDULE
- ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE
- 8. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 31. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE 3798-2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
- 9. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- 10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT
- 12. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT 34. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- 13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- 14. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- 15. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION
- 16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

# **SERVICES**

17. GAS AND WATER CONDUITS ARE TO BE . Ø50mm . CLASS 12 P.V.C. – SINGLE SERVICE Ø100mm . CLASS 12 P.V.C. – DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS: ROAD PAVEMENT - 0.80m

- 18. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- 19. WATER TAPPINGS TO BE LOCATED AS PER RELEVANT AUTHORITY STANDARD, UNLESS NOTED OTHERWISE.
- 20. TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.

## STORM WATER DRAINAGE

VERGE, FOOTPATHS - 0.45m

- 21. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- 22. ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J.).

- 23. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 24. WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- 25. HOUSE DRAINS NOT OUT OF PIT TO BE OFFSET IN ACCORDANCE WITH COUNCIL STANDARDS UNLESS NOTED OTHERWISE.

#### PAVEMEN1

- 26. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- 27. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- 28. WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL

#### SIGNAGE AND LINEMARKING

- UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH
- 30. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

- 32. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- 33. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- 35. THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT UP TO DATE FOR THE DURATION OF THE CONTRACT.

# WARNING

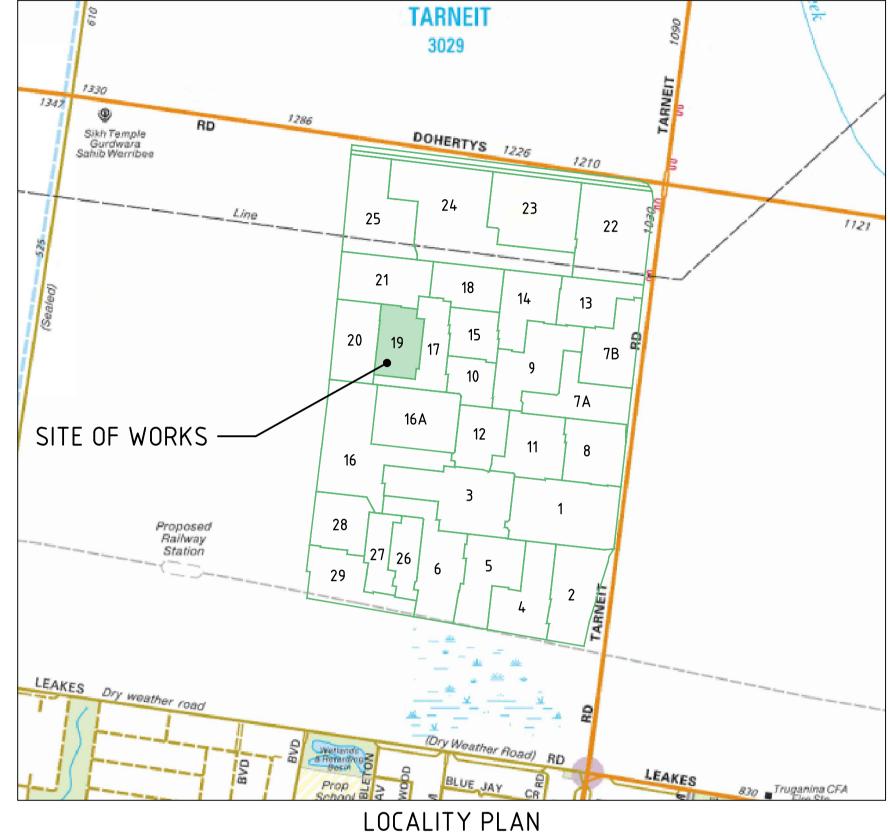
BEWARE OF TRANSMISSION LINES TRANSMISSION POWER LINES IN CLOSE PROXIMITY OF WORKS, INDUCED ELECTRICAL CURRENTS MAY OCCUR. APPROPRIATE SAFETY MEASURES TO BE CARRIED

> CONTRACTOR TO CONTACT RELEVANT SERVICE AUTHORITIES, ESTABLISH REQUIRED GUIDELINES AND COMPLY WITH AUTHORITIES' REQUIREMENTS.



## WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.



NOT TO SCALE

FACE SHEET	1	3
FACE PLAN	2	2
SERVICES PLAN	3	3
) LONG SECTIONS – SHEET 1	4	1
LONG SECTIONS – SHEET 2	5	1
CROSS SECTIONS - SHEET 1	6	1
CROSS SECTIONS - SHEET 2	7	1
SECTION DETAILS - SHEET 1	8	1
SECTION DETAILS - SHEET 2	9	1
RAINAGE LONG SECTIONS	10	1
ONG SECTIONS AND PIT SCHEDULE	11	1
MENT AND TYPICAL DETAILS	12	1
SNAGE AND LINEMARKING	13	1
	FACE PLAN	FACE PLAN  SERVICES PLAN  D LONG SECTIONS - SHEET 1  CROSS SECTIONS - SHEET 2  CROSS SECTIONS - SHEET 1  CROSS SECTIONS - SHEET 2  RESECTION DETAILS - SHEET 1  SECTION DETAILS - SHEET 2  RAINAGE LONG SECTIONS  10  ONG SECTIONS AND PIT SCHEDULE  MENT AND TYPICAL DETAILS  12

# LEGEND

TREE TO BE PROTECTED

TREE TO BE REMOVED

OVERLAND FLOW PATH

**VEGETATION LINE** 

FOOTPATH

TREE RING FOR PROPOSED TREE LOCATION

TACTILE GROUND SURFACE INDICATOR

<u>= d=115</u>		
ESCRIPTION	EXISTING	PROPOSED
ATER MAIN, VALVE AND HYDRANT	— — DW — — —	DW
ATER RECYCLED, VALVE AND HYDRANT	— — — NDW— — —	NDW
DERGROUND ELECTRICITY	———E———	
/ERHEAD ELECTRICITY & POLE	— — OE — -⊗- —	
LECOMMUNICATIONS & SERVICE PIT	———T———	
PTIC FIBRE	— — OF — — —	OF
/ERHEAD TELECOMMUNICATIONS	OT	_
AS MAIN	— — G— — — — — — — — — — — — — — — — —	
WER & MAINTENANCE STRUCTURE		
DUNCIL STORMWATER DRAIN AND PIT		
FORM WATER DRAINAGE PROPERTY INLETS		•
DUNCIL STORM WATER PITS		
DUSE DRAIN	•H	•H——
DRAIN AND FLUSHER	——————————————————————————————————————	———> AG ———
TORM WATER DRAINAGE PIT NUMBER	(Ex.47)	(1)
AS & WATER CONDUITS	GW	GW
NCRETE VEHICLE CROSSING		
DGE / CHANGE OF GRADE LINE		-·- <del>·-</del> ·
JRFACE CONTOUR MINOR	<u> </u>	169.00
JRFACE CONTOUR MAJOR	— - 168.90 - — —	168.90 —
JRFACE LEVEL	E123.45	F124.68
ATTER LEVEL (TOP / TOE)	T124.80	T124.80
ARTHWORKS GRADE		1 in 150
GN AND POST		<b></b>
FREET SIGN	•	• <del></del>
RMANENT SURVEY MARK	•	•
MPORARY BENCH MARK		
DLLARD	(L /D)TD	+ CH114 F7 (L/R)TP
OAD CHAINAGES	CH1 <u>16</u> .57 (L/ <u>R</u> )TP CH116.57	CH1 <u>16</u> .57 (C/ <u>R</u> ) (P
T CHAINAGES	CH20.06	CH20.06
TOUT POINT		(A2)
MIT OF WORKS		
ATTER		
CAVATION GREATER THAN 0.20m		
LLING GREATER THAN 0.20m		
NCE - TREE PROTECTION		
NCE - VEHICLE EXCLUSION		
NCES		
	0 0 0 0	
REE (& SURVEYED CANOPY) TO BE RETAINED	(E)(9)	

# DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	FACE SHEET	1	3
CR200	FACE PLAN	2	2
CR201	SERVICES PLAN	3	3
CR300	ROAD LONG SECTIONS - SHEET 1	4	1
CR301	ROAD LONG SECTIONS – SHEET 2	5	1
CR400	ROAD CROSS SECTIONS - SHEET 1	6	1
CR401	ROAD CROSS SECTIONS - SHEET 2	7	1
CR500	INTERSECTION DETAILS - SHEET 1	8	1
CR501	INTERSECTION DETAILS - SHEET 2	9	1
CR600	DRAINAGE LONG SECTIONS	10	1
CR601	DRAINAGE LONG SECTIONS AND PIT SCHEDULE	11	1
CR700	PAVEMENT AND TYPICAL DETAILS	12	1
CR800	SIGNAGE AND LINEMARKING	13	1

AS CONSTRUCTED 24/04/23 SERVICE CONDUIT AMENDED FOR LOT 1905 M.H. 05/04/22 EASEMENT AMENDED IN LOT 1922 23/03/22 M.H. ISSUED FOR CONSTRUCTION M.H. 31/01/22 B PLANS AMENDED IN ACCORDANCE WITH COUNCIL COMMENTS M.H. 11/01/22 A ISSUED FOR APPROVAL 10/12/21 Approved Rev | Amendments



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J. KOEHLER M.HOLMES 10/12/21

**P.CLIFTON** 

ZONE 55

**NEWHAVEN ESTATE** STAGE 19 **ROAD AND DRAINAGE FACE SHEET** WYNDHAM CITY COUNCIL PEET NO.1895 PTY LTD

AS CONSTRUCTED 304672CR100

