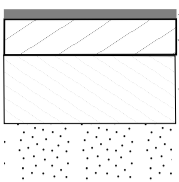


ASPHALT PAVEMENT LAYERS:
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1) 30mm COMPACTED THICKNESS MIX 10 ASPHALT ON WATERPROOF COAT.

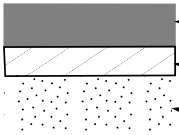
2) 120mm MIN COMPACTED THICKNESS AP40 BASECOURSE.

3) 230mm MIN COMPACTED THICKNESS AP65 SUBBASE.

4) SHAPED AND COMPACTED SUBGRADE CBR 7%.

FINAL DEPTH OF PAVEMENT TO BE CONFIRMED BY ENGINEER AFTER TESTING SUBGRADE.

CONCRETE PAVEMENT LAYERS :
=====



1) 145mm 30MPa SSF47 STRUCTUAL FIBRE REINFORCED CONCRETE

2) 100mm MIN COMPACTED THICKNESS AP40 BASECOURSE

3) SHAPED AND COMPACTED SUBGRADE CBR 7%

SCALE 1:25 at A3

FINAL DEPTHS TO BE CONFIRMED BY ENGINEER AFTER TESTING SUBGRADE

NOTES:
=====

1) CONCRETE TO BE CERTIFIED 30MPa WITH SSF47 FIBRE DOSE RATE OF 4 kg/m3.

2) D12 LONGITUDINAL REINFORCING TO BE PLACED MID DEPTH ADJACENT TO ALL PERIMETERS MIN 75mm FROM SIDE.

3) CONSTRUCTION JOINTS AT 25m NOMINAL SPACING.

4) 40mm DEEP SAW CUTS PLACED EVERY 5m. CUTS ARE TO BE MADE AS SOON AS POSSIBLE BEFORE CONCRETE CURING AND CONTRACTION TAKES PLACE.

5) THOROUGHLY WET BASE COURSE IMMEDIATELY PRIOR TO PLACING CONCRETE

PIPE KEY

Power: 4/120 Al XLPE 400V cable in 100mm Orange duct (or spare power duct)

Gas: 50mm PE yellow (<210Kpa)

Telecom fibre microducts

PCC Water main: 125mm OD PE100 SDR11

GWRC Water supply: 63mm OD PE100 SDR11

Reservoir drain: 110mm OD PE100 SDR17

PCC Sewer main: 160mm OD PE100 SDR17

TRENCH KEY AND MINIMUM CLEARANCE SPECIFICATIONS
SCALE 1:25 (A3 1:50)

T1 Shared services trench

T2 Lot 10 to Water Reservoir

TRENCH NOTES:
=====

TOP LAYER:
-TRAFFICKED AREAS AS FOR ADJACENT PAVEMENT DESIGN.
-UN-TRAFFICKED AREAS ARE TO HAVE A MINIMUM OF 75MM TOPSOIL COVER SEEDED WITH GRASS AND LIGHTLY COMPACTED.

BACKFILL:
-TRAFFICKED AREAS ARE TO BE AP65 COMPACTED IN LAYERS.
-UN-TRAFFICKED AREAS ARE TO BE FILLED FROM CLEAN INSITU MATERIAL FREE OF ORGANIC MATTER AND DETRITUS COMPACTED IN LAYERS.

BEDDING SAND COVERAGE (Excluding power ducts):
-MINIMUM 100mm ABOVE AND BELOW PIPE/DUCT.
-MINIMUM 75mm FROM PIPE/DUCT TO SIDE OF TRENCH.

GENERAL NOTES:
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1. SWALES AND GRASS BERMS ARE TO HAVE A MINIMUM OF 75MM TOPSOIL COVER SEEDED WITH GRASS AND LIGHTLY COMPACTED.

2. BERMS ADJACENT TO PAVEMENTS TO BE 15mm ABOVE SUCH EXCEPT WHERE PAVEMENT CROSSFALL DISCHARGES TO BERM THE BERM SHALL BE 15mm BELOW THE ADJACENT PAVEMENT.

3. ALL KERBS AND CHANNELS TO BE PLACED ON A MINIMUM OF 150mm COMPACTED THICKNESS OF AP65 SUBBASE, WITH FINAL DEPTH TO BE CONFIRMED AFTER TESTING SUBGRADE.

4. DEPTH OF COMPACTED THICKNESS OF AP65 SUBBASE FOR PAVEMENTS TO BE CONFIRMED AFTER TESTING SUBGRADE.

4. ALL WORK TO BE IN ACCORDANCE WITH PCC CODE OF LAND DEVELOPMENT AND SUBDIVISION ENGINEERING (2010) AND RELEVANT NEW ZEALAND STANDARDS.

KERB AND CHANNEL
SCALE 1:25 (A3 1:50)
Deano's Kerb MKC 12 or similar
as approved by engineer.

Progeni Ltd

68 Exploration Way, Porirua 5024, NZ
Ph 022 0819600

Client Progeni Ltd

Project Exploration Heights

Title Road cross sections

Fieldwork:

Design:

Drawn:

Checked:

D Harpham

D Harpham

Scale: 1:100 at A3

ID: P1.ENG004 Rev:

Issued by: D Harpham

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