AREAS:

A1 - 24 SQM, LOT3 CROSSOVER 1
A2 - 28 SQM, LOT3 CROSSOVER 2
A3 - 2125 SQM, LOT3 CRACKER DUST
A4 - 3906 SQM, LOT3 CRACKER DUST
A5 - 5375 SQM, LOT3 CRACKER DUST
A6 - 1531 SQM, LOT3 TURN STAND 1 BITUMEN SEAL
A7 - 175 SQM, LOT3 CONCRETE REFUELING HARD STAND
A8 - 2208 SQM, LOT3 TURN STAND 2 BITUMEN SEAL
A9 - 1470 SQM, LOT 2 CROSSOVER 1 TURN IN
A10 - 1865 SQM, LOT 2 PARKING AREA (EX SWALE)

total - 20572 SQM

BITUMEN 3 COAT SEAL ON 350 CRUCHED ROCK BASE 5049 SQM

CONCRETE 32MPa 200THK WITH 2 LAYERS SL82 ON COMPACTED BASE TO 95% MDD 2080 SQM

CLEAR AND LEVEL, COMPACT AND INSTALL 100MM THK CRUSHED ROCK. AREA 11406 SQM

DA SCOPE OF WORKS:

LOT 1 - NOT IN APPLICATION

LOT 2
01. INSTALL DEPARTMENT OF WATER APPROVED AQUATOR PURECEPTOR TO TREAT OILY WATER RUN OFF FRPM PAVED AREAS AND DISPOSE TO STORM WATER. BACK FILL THE EXISTING SWALE, AND COMPACT.
MODIFY EXISTING PARKING AREAS TO UTLIZE THE NEW HARD STAND AREA FOR ADDITIONAL PARKING FOR CARS, BUSES AND CARAVANS. SEAL AND KERB AREA WITH BITUMEN AS SHOWN ON THE PLAN.

LOT 3
01. DEVELOP AN UNMANNED 24HR ROAD TRAIN REFUELLING FACILITY WITH ROAD TRAIN PARKING AS SHOWN ON THE PLAN.

02. BUILDINGS - INSTALL A REFUELLING CANOPY
(13.5m X 8m) OVER NEW DISPENSERS.
INSTALL A 3m X 2.4m MOTOR CONTROL ROOM TO HOUSE CONTROL EQUIPMENT.

03. FUEKL TANKS - INSTALL 2 X 110kl DOUBLE CONTAINED SELF BUNDED ABOVE GROUND DIESEL TANKS TO COMPLY WITH DEPARTMENT OF MINES AND PETROLEUM REGULATIONS.

04. PARKING AND ACCESS - INSTALL CONCRETE CROSS OVERS TO EXISTING EARTHEN CROSSOVERS FOR ACCESS TO AND FROM THE SITE ON ROBERTS STREET VIA EYRE HIGHWAY. NOTE THIS IS THE APPROVED EXISTING ACCESS ROAD FOR THE EXISTING BP ROADHOUSE.
INSTALL A BITUMEN ACCESS ROAD WITH FLAT CONCRETE EDGE BEAM INTERNAL TO THE SITE BOUNDARY FOR ROAD TRAIN ACCESS TO NEW CANOPY REFUELING AREA.
INSTALL 100mm THK 3MM CRUSHED STONE BASE TO ROAD TRAIN PARKING AREA AS SHOWN ON PLAN.
THE DEVELOPMENT PARKING CATERS FOR UP TO 7 TRIPPLE ROAD TRIANS,

05. CLEARING AND EARTHWORKS - THE EXISTING TREELINE ON EYRE HIGHWAY IS TO BE MAINTANED. THE AREA TO THE BACK OF THE PROPERTY ADJOINING THE RAIWAY RESERVE IS TO BE CLEARED WITHIN THE SITE BOUNDARY TO FACILTATE THE DEVELOPMENT AND ROAD TRAIN MOVEMETS.

06. STORMWATER - THE SITE CURRENTLY FALLS TOWARDS ROBERTS STREET WITH APPROX 2.4m OF FALL FROM BACK TO FRONT. THE INTENT IS TO MAINTAIN THE EXISTING FALL TOWARDS ROBERT STREET AND MAINTAIN VERGE DRAINS AS IS CURRENTLY USED.

07. TRADE WASTE - INSTALL A NEW ABOVE GROUND CORRUGATED PLATE SEPARATOR TO CAPTURE OILY WATER FROM THE FORCOURT AND REFUELLING AREAS FOR TRATMENT AND DISPOSAL TO ON SITE STORM WATER SOAKWELL.

FUEL SYSTEM NOTES:

TANKS: (TO AS4897)
01. ALL ABOVE GROUND TANKS ARE TO BE INSTALLED TO MANUFACTURES INSTRUCTIONS ON A CLEAN COMPACTED BASE.
02. INSTALL DN900 LINERS AND FILL WITH 20MM AGGREGATE, FIX ARMCO
BARRRIER AS PER PLAN.
03. USE APPROVED DOUBLE CONTAINED STEEL TANKS, CHECK AND RECORD TANK VACUUM / BRINE LEVEL WEEKLY DURING INSTALLATION.
REPORT ANY DISCREPANCY IMMEDIATELY TO THE SITE SUPERVISOR.
04. TANK LOCKERS WITH COVERS, ACCESS LADDER AND PLATFORM ARE TO
BE INSTALLED TO HOUSE SUBMERSIBLE TURBINES AND FILL EQUIPMENT.
05. INSTALL TANKER UNLOADING BRIDGER SLAB WITH 3" PIPE , NON RETURN
VALVE, BALL VALVE AND CAMLOCK CAP TO TANK LOADING PUMP. ALL HARD
PIPE TO BE SHED 40 AND FITTINGS TO ANSI 150 WITH PAINTED FINISH.

PIPING: (TO AS4897 AND AS1940)
01. INSPECT ALL HDPE PIPING ROLLS FOR DAMAGE PRIOR TO INSTALLATION.
02. ALL FILL LINES TO BE SHED 40 PIPE ITH ANSI 150 FITTINGS
03. TANK VENTS TO BE INSTALLED TO TANK MANUFACTURERS SPECIFICATION MIN 4M ABOVE GROUND.
04. ALL PRESSURE PIPING FROM TANKS TO TANK TRANSITION SUMP TO BE SHED40. FROM TRANSITION SUMP TO DISPENSERS SUMPS IS TO BE 63/75 UPP DOUBLE CONTAINED PIPE WITH NO JOINTS OUTSIDE OF CONTAINMENT SUMPS WHEN BELOW GRADE.
05. ALL FORECOURT DRAINAGE PIPING TO BE FUEL APPROVED 110UPP FUEL SAFE HDPE AND INSTALLED AND WELDED BY A QUALIFIED FUEL PIPING INSTALLER BETWEEN FORECOURT SUMP AND MAIN SEPARATOR HOLDING TANK.
06. ALL TANK DIP POINTS TO BE CLEARLY LABELED WITH TANK NUMBER AND PRODUCT.
07. PIPING BELOW GRADE IS TO BE INSTALLED ON 100MM CLEAN SCREENED RIVER SAND OR CRACKER DUST.
BASE OR CRACKER DUST WITHIN TRENCHES WITH CORRECT FALLS AND NO LOW POINTS.
08. ALL WELDED JOINTS AND TO BE TAGGED WITH A WHITE PAINT PEN ONCE WELDED AND CHECKED.
09. ALL UNDERGROUND FUEL LINES ARE TO HAVE A TRACE WIRE OR MARKING TAPE INSTALLED ON TOP PRIOR TO FINAL BACKFILL.
10. ALL TERMINATION FITTINGS ARE TO BE ETHANOL APPROVED.
11. ALL PIPING IS TO BE VACUUM CHECKED ON COMPLETION TO CONFIRM INTEGRITY.

ELECTRICAL: (TO AS4897, AS 60079.10 AND AS3000)
01. ALL CONDUITS WITHIN A HAZARDOUS AREA ARE TO BE CONTINUOUS NUPI CONDUIT WITH APPROVED FLAME SEAL TERMINATIONS WHEN TERMINATING INTO SUMPS.
02. EACH TANK TURRET IS TO BE INSTALLED WITH 2 X 32MM NUPI CONDUITS FROM TURRET TO TERMINATION PIT.
ONE CONDUIT FOR POWER AND ONE CONDUIT FOR ATG/DATA.
USE HAZARDOUS AREA APPROVED TERMINATION FITTINGS.
CONDUITS ABOVE GRADE AND EXPOSED FROM TANK TURRET TO TRANSITION SUMP ARE TO BE DN25 GALV STEEL. ALL UNDERGROUND CONDUITS TO BE DN32 NUPI.
03. EACH DISPENSER SUMP IS TO BE INSTALLED WITH 2 X 32MM NUPI CONDUITS FROM SUMP TO TERMINATION PIT.
ONE CONDUIT FOR POWER AND ONE CONDUIT FOR DATA.
USE HAZARDOUS AREA APPROVED TERMINATION FITTINGS.
04. USE APPROVED ELECTRICAL PITS AND LOCATE AS SHOWN ON THE FUEL SYSTEM SITE PLAN
05. INSTALL 2 X 32MM NUPI CONDUITS TO THE FUEL SEPARTOR CPI UNIT CONTROLER FOR POWER AND ATG. TERMINATE WITH FITTINGS APPROVED FOR HAZARDOUS AREAS.

Rev.	Date.	Revision
6	02-02-2021	Footpath Added
5	20-01-2021	Amended as per Transcore Comments
4	14-01-2021	Amended for Lot 3 Changes
3	09-07-2020	AMENDED FOR RE-ZONING AND RESUBMISSION
2	04-04-2019	AMENDED FOR 14M BUSHFIRE REQUIREMENT
1	29-05-2018	ISSUED FOR DEVELOPMENT APPROVAL
A	28-03-2018	ISSUED FOR REVIEW

FTC
design and project management
10 Harper Place Winthrop WA 6150
Contact Ian Haslehurst - 0419 905 636

Project Client:

Nathan Meloncelli
Prendiville Group
12 High Street , Fremantle WA 6160

Project:
BP Norseman Lot 3 Redevelopment
Transport Depot
CNR Eyre Hwy & Coolgarde-Esperance Hwy
NORSEMAN WA 6443

FTC Consultants:

Site
Master Plan for Proposed
Transport Depot

FTC1544-1-CP4 | Rev. 6

ISSUED FOR DEVELOPMENT APPROVAL

X:\Clients\Prendiville Group - BP Norseman\Lot3 & Lot2 upgrade\DWG\FTC1544-1-CP7 REV A - BP Norseman Concept Plan DA 2.dwg