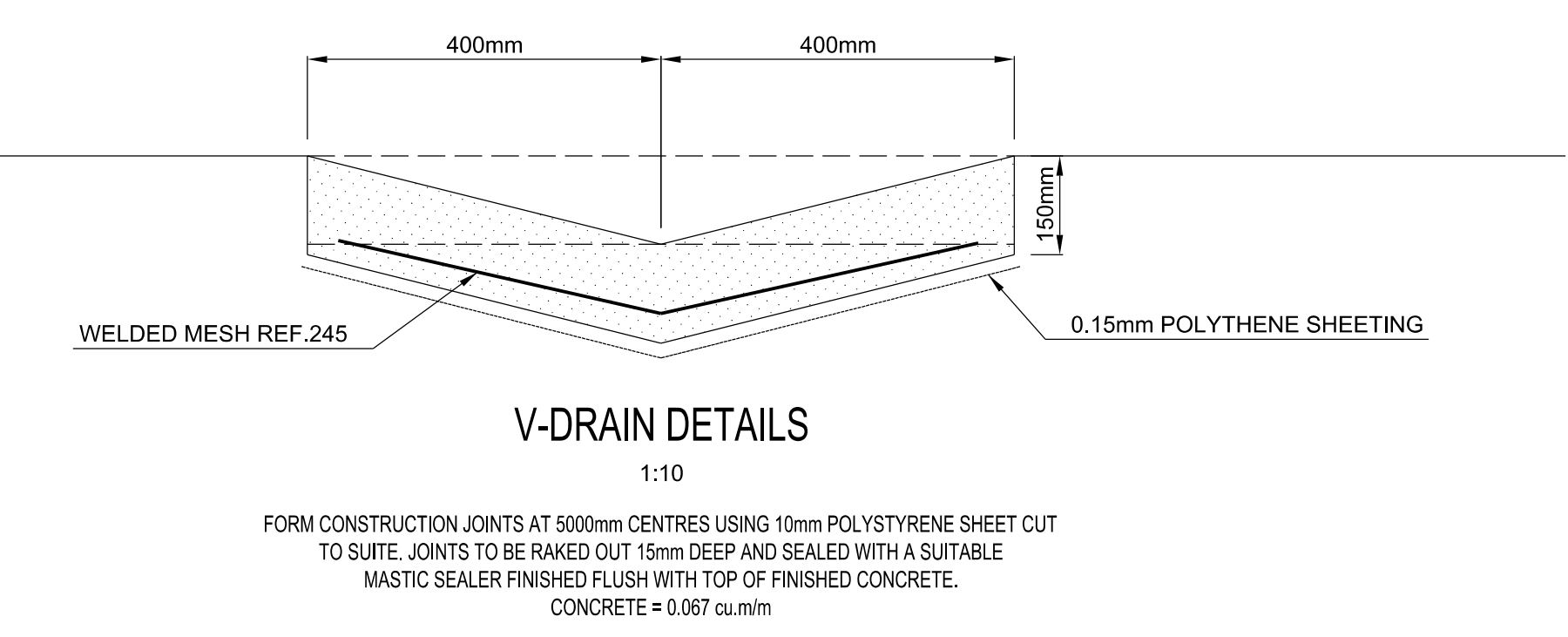
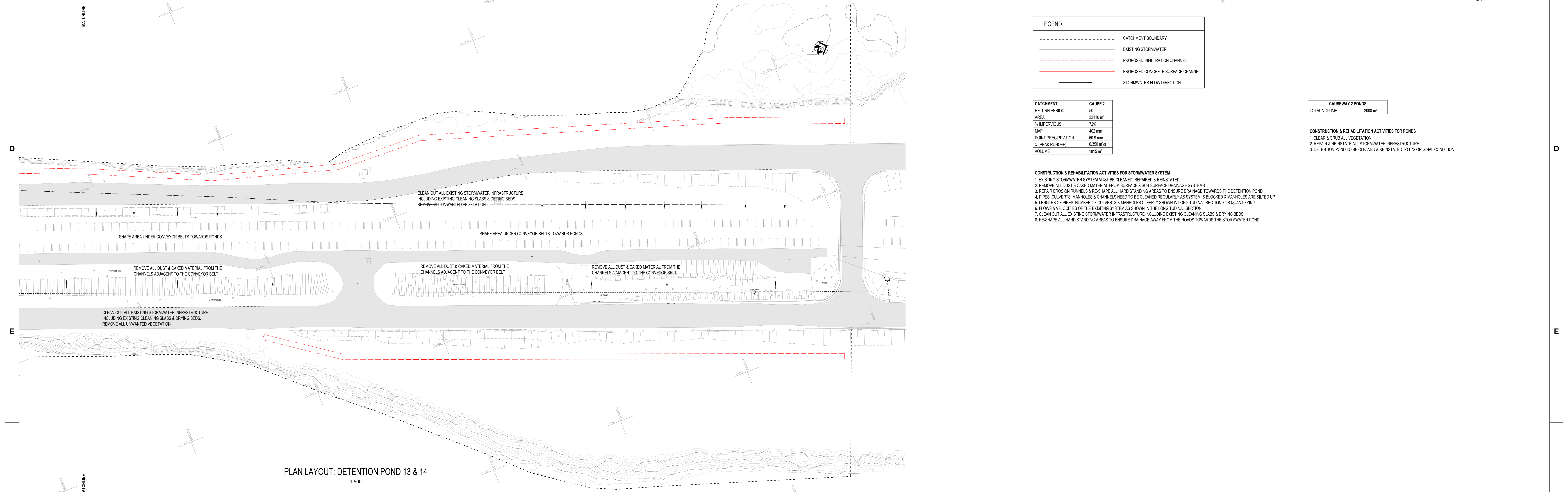


PLAN LAYOUT: DETENTION POND 13 & 14
1:500



V-DRAIN DETAILS
1:10
FORM CONSTRUCTION JOINTS AT 500mm CENTRES USING 10mm POLYSTYRENE SHEET CUT TO SUITE. JOINTS TO BE RAKED OUT 15mm DEEP AND SEALED WITH A SUITABLE MASTIC SEALER FINISHED FLUSH WITH TOP OF FINISHED CONCRETE.
CONCRETE = 0.087 cu/m

LEGEND	
	CATCHMENT BOUNDARY
	EXISTING STORMWATER
	PROPOSED INFILTRATION CHANNEL
	PROPOSED CONCRETE SURFACE CHANNEL
	STORMWATER FLOW DIRECTION



PLAN LAYOUT: DETENTION POND 13 & 14
1:500

LEGEND	
	CATCHMENT BOUNDARY
	EXISTING STORMWATER
	PROPOSED INFILTRATION CHANNEL
	PROPOSED CONCRETE SURFACE CHANNEL
	STORMWATER FLOW DIRECTION

CATCHMENT	CAUSEWAY 2
RETURN PERIOD	50
AREA	33150 m ²
% IMPERVIOUS	72%
MAP	402 mm
POINT PRECIPITATION	69.9 mm
Q (PEAK RUNOFF)	0.350 m ³ /s
VOLUME	1845 m ³

CAUSEWAY 2 PONDS	
TOTAL VOLUME	2000 m ³

- CONSTRUCTION & REHABILITATION ACTIVITIES FOR PONDS**
1. CLEAR & GRUB ALL VEGETATION
 2. REPAIR & REINSTATE ALL STORMWATER INFRASTRUCTURE
 3. DETENTION POND TO BE CLEANED & REINSTATED TO ITS ORIGINAL CONDITION

- CONSTRUCTION & REHABILITATION ACTIVITIES FOR STORMWATER SYSTEM**
1. EXISTING STORMWATER SYSTEM MUST BE CLEANED, REPAIRED & REINSTATED
 2. REMOVE ALL DUST & CAKED MATERIAL FROM SURFACE & SUB-SURFACE DRAINAGE SYSTEMS
 3. REPAIR EROSION RUNNELS & RE-SHAPE ALL HARD STANDING AREAS TO ENSURE DRAINAGE TOWARDS THE DETENTION POND
 4. PIPES, CULVERTS, MANHOLES & CHANNELS NEED TO BE CLEANED REGULARLY AS SYSTEM IS BLOCKED & MANHOLES ARE SILTED UP
 5. LENGTHS OF PIPES, NUMBERS OF CULVERTS & MANHOLES CLEARLY SHOWN IN LONGITUDINAL SECTION FOR QUANTIFYING
 6. FLOWS & VELOCITIES OF THE EXISTING SYSTEM AS SHOWN IN THE LONGITUDINAL SECTION
 7. CLEAN OUT ALL EXISTING STORMWATER INFRASTRUCTURE INCLUDING EXISTING CLEANING SLABS & DRYING BEDS
 8. RE-SHAPE ALL HARD STANDING AREAS TO ENSURE DRAINAGE AWAY FROM THE ROADS TOWARDS THE STORMWATER POND

DRAWING NO.	REFERENCE
1	REFERENCE DRAWINGS

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.

ISSUED FOR TENDER	DJ	CN	MM	13-12-2017	
NO.	DESCRIPTION	BY	CHKD	APPD	DATE
REVISIONS					
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CONTRACTOR / CONSULTANT				TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE	TITLE	NAME	SIGN	DATE
				DRAWN	DJ		13 12 17
				CHECKED	CN		13 12 17
				DESIGNED	DJ		13 12 17
				CHECKED	CN		13 12 17
OPERATING DIVISIONS				PR. ENG. / PR. TECH. / PR. ARCH			
TITLE	NAME	SIGN	DATE	NAME	DATE		
				M. MALAPANE	13 12 17		
SIGNATURE				DATE			
REG. NUMBER				SCALE			
AS SHOWN				AS SHOWN			

Transnet Capital Projects

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SALDANHA STORMWATER MANAGEMENT

CAUSEWAY AREA
 PLAN LAYOUT
 CATCHMENT AREA 2

PROJECT NUMBER	DD	FBS	DHS	TYPE	DRAWING NO.	SHEET	REV	ID
AO	1	2	2	0	0	1	0	0