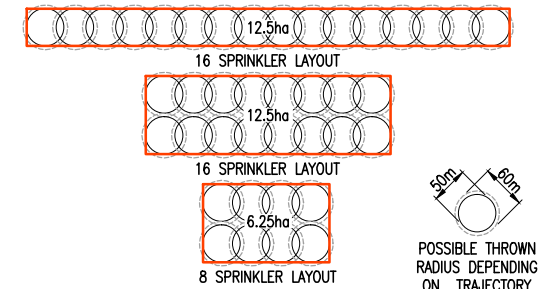


KEY

- REHABILITATED AREA
- IRRIGATION AREA
- DUST SUPPRESSION AREA
- IRRIGATION PIPING = 2 x 5" (139.7mm) STEEL PIPES
- DUST SUPPRESSION PIPING = 2 x 315mm HDPE PIPES
- CONVEYOR ROUTE

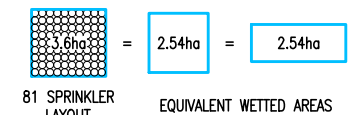
DUST SUPPRESSION

- 16 SPRINKLER SYSTEM
- 50m SPRINKLER RADIUS
- 5mm/hr PRECIPITATION
- EACH ZONE WETTED FOR 4 HOURS
- NUMBER OF ZONES = 16
- WETTING FREQUENCY = 1 IN 3 DAYS
- FLOW REQUIRED TO WET ONE AREA 175 L/S
- BASED ON "NELSON BIG GUN 150 SERIES"



IRRIGATION SYSTEM

- 81 SPRINKLER SYSTEM (9x9 GRID)
- 10m SPRINKLER RADIUS
- 6mm/hr PRECIPITATION
- EACH ZONE WETTED FOR 1.5 HOURS
- NUMBER OF ZONES = 13
- WETTING FREQUENCY = 1 / DAY
- FLOW REQUIRED TO WET ONE AREA 42.4 L/S



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Drawn	R.McL.	22.11.13
Designed	C.C.	NOV 13
Checked	D.B.	.
Pr. Eng. Approval	C.C.	.
Signature		

Client: **ZITHOLE CONSULTING**

Project: **KUSILE POWER STATION
60 YEAR ASH FACILITY
EIA DETAILED CONCEPT DESIGN
DUST SUPPRESSION & IRRIGATION LAYOUT**

Scale	AS SHOWN	A1
Drawing No	D121-01-014	
Revision	C	

Rev.	Description	Name	Date	Approved
C	REVISED & ADDED STILLING BASINS, REVISED ACCESS ROADS, UPDATED TITLE BLOCK	R.McL.	28.03.14	C.C.
B	POWER STATION, ACCESS ROADS AND RIVER DIVERSION UPDATED	R.McL.	13.12.13	C.C.
A	ISSUED FOR APPROVAL	R.McL.	10.12.13	C.C.

FOR DRAWING LIST SEE: D121-01-001

Reference Drawings: Rev. Revision Name Date Approved

CO-ORD SYSTEM WGS LO 29

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