CVL-12-11-103-001

MATCHLINE - REFER TO DWG CVL-12-11-102-001

PLANT NORTH
TRUE NORTH
TX NORTH CENTRAL
GRID (NAD 83)
8.5436°

N6796000

N6794000

E2188500

E2185500

POST DEVELOPED
DA93 (BYPASSED)
A(tot) = 199.3 ac
A(imp) = 10.0 ac
A(stone) = 10.0 ac
A(undisturbed woods) = 96.10 ac
A(meadow/lawn) = 78.38 ac
A(closed/not included) = 4.82 ac
CN(wtd) = 79.0
Tc = 30min

UNIT 4
COOLING TOWERS

FF=850

FF=850

SQUAW CREEK RESERVOIR

POST DEVELOPED
DA91
A(tot) = 58.92 ac
A(imp) = 22.0 ac
A(stone) = 8.0 ac
A(meadow/lawn) = 21.74 ac
A(closed/not included) = 7.18 ac
CN(wtd) = 88.5 = USE 89
Tc = 30min

RETAINING WALL
TOP=795
BOT=780

POST DEVELOPED
DA92
A(tot) = 116.61 ac
A(imp) = 23.0 ac
A(stone) = 31.0 ac
A(meadow/lawn) = 55.77ac
A(closed/not included)=6.84ac
CN(wtd) = 85.9 = USE 86
Tc = 30min

OUTFALL
BOT OF POND=798.9
30" ORIF INV=801.0
RISER TOP (2'X10')=807.0
TRAP SPILL 215'(W) EL810.0
CULVERT INV=800.0

110LF42
HDPE@.20

EW
TOP=783.0
INV.=778.0

640LF 10'W S=0.0025

INV(IN)=810.5
100LF42
HDPE@.01
INV(OUT)=809.5

INV(IN)=815.50
54LF24
HDPE@.02
INV(OUT)=814.40

INV(IN)=811.00
90LF42(TWIN)
HDPE@.011
INV(OUT)=810.00

205LF 10'W S=0.0085

300LF 10'W S=0.0044

180LF 4'W S=0.005

300LF 4'W S=0.01

480LF 4'W S=0.005

INV(IN)=815.50
36LF24
HDPE@.025
INV(OUT)=814.50

FF=822

INV(IN)=816.5
36LF24
HDPE@.025
INV(OUT)=815.6

CB
GR=816.0
INV.OUT=811.50

OB
GR=825.5
INV.IN=810.25
INV.OUT=810.00

40LF
36HDPE
S=.005

EW
INV.=814.0

EW
INV.=809.8

INV(IN)=804.0
230LF42
HDPE@.119
INV(OUT)=776.7

OUTFALL
BOT OF POND=803.9
3.5' ORIF INV=806.0
RISER TOP=811.0
TRAP SPILL 130'(W) EL812.0
CULVERT INV=804.0

INV(IN)=815.0
65LF30
HDPE@.03
INV(OUT)=813.0

EW
TOP=850.0
INV.=844.5

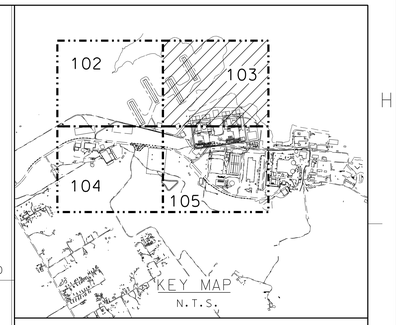
160LF36
HDPE@.003

EW
TOP=848.3
INV.=844.0

UNIT 4

UNIT 3

MATCHLINE - REFER TO DWG CVL-12-11-105-001



LEGEND

	WATERSHED DRAINAGE BOUNDARY
995	PROPOSED MAJOR CONTOUR
995	PROPOSED MINOR CONTOUR
995	EXISTING MAJOR CONTOUR
995	EXISTING MINOR CONTOUR
	NEW EDGE OF ROAD
	EXISITNG EDGE OF ROAD
	NEW CATCH BASIN
	NEW STORM PIPE
	NEW FLARED END SECTION ENDWALL AND OUTLET PROTECTION
4 FT(W) S=0.02	NEW STORM WATER SWALE
SWALE 847.8	NEW SPOT ELEVATION
	DRAINAGE FLOW PATH

0 100' 200' 300'
SCALE: 1" = 100'

GENERAL NOTES

1. SEE CIVIL DRAWING CVL-12-11-101-001 FOR LIST OF OPEN ISSUES.

PROPRIETARY AND CONFIDENTIAL

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REVISION APPROVAL RECORD

DISCIPLINE	BY	DATE	DISCIPLINE	BY	DATE
ARCH.			MECHANICAL		
CIVIL			NUCLEAR		
ELECTRICAL			PIPING		
ENVIRON.			PROCESS		
GEN. ARRANG.			QA / QC		
HVAC			STRUCTURAL		
I & C					

REV

REV NO	DATE	REVISIONS	BY	CHKR
F	8/06/2008	ISSUED FOR FSAR	NG	ERH
E	7/10/2008	ISSUED FOR FSAR	NG	ERH
D	3/20/2008	REVISED CONCEPTUAL DESIGN	NG	ERH
C	9/14/2007	ISSUED FOR CONCEPTUAL DESIGN	NG	ERH
B	8/30/2007	ISSUED FOR CALCULATION SUBMISSION	NG	ERH
A	8/22/2007	ISSUED FOR IN-HOUSE REVIEW	NG	ERH

DRAWING STATUS

ISSUED	REV	DATE	SDE	PEM
PRELIMINARY	F			
APPROVED FOR CONSTRUCTION				

NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED. DESTROY ALL PRINTS BEARING EARLIER DATE &/OR REV.NO.

PROJECT NO.: 28831

DRAWN: N.GANDHI DATE: 8/22/2007

CHECKED: R.HENDRICKS DATE: 7/10/2008

SCALE: 1" = 100'

GRADING AND DRAINAGE PLAN
SHEET 2 OF 4

LUMINANT /COMANCHE PEAK
UNITS 3 & 4
MNES US - APWR

Washington Group International
510 CARNEGIE CTR. - PRINCETON, NJ 08543 - (609)720-2000

DWG. NO. CVL-12-11-103-001 REV F

USER: $USER$
PLOT SENT: $DATE$ $TIME$
FILE: $FILE$

INCHES 1 2 3 4 5 6
CENTIMETERS 1 2 3 4 5 6

8 7 6 5 4 3 2 1

A B C D E F G H