



**LEGEND**

- 995 --- WATERSHED DRAINAGE BOUNDARY
- 995 --- PROPOSED MAJOR CONTOUR
- 995 --- PROPOSED MINOR CONTOUR
- 995 --- EXISTING MAJOR CONTOUR
- 995 --- EXISTING MINOR CONTOUR
- --- NEW EDGE OF ROAD
- --- EXISTING EDGE OF ROAD
- --- NEW CATCH BASIN
- --- NEW STORM PIPE
- --- NEW FLARED END SECTION
- --- ENDWALL AND OUTLET PROTECTION
- --- NEW STORM WATER SWALE
- --- NEW SPOT ELEVATION
- --- DRAINAGE FLOW PATH
- EW --- OUTLET END WALL
- HW --- INLET HEAD WALL
- --- IMPERVIOUS BOTTOM OF SWALE

DA 62 POST DEVEL (ROUTED)  
 A(tot) = 17.59 ac (use 1.05 ac = 18.5)  
 V(road) use 18.5 ac x 3600 = 66600 cf  
 A(imp) (98) = 1.25 ac (1.75 ac is pond)  
 A(undisturbed woods, lawn) (78) = 4.34 ac  
 A(dense stone) (91) = 12.0 ac  
 A(loose gravel) = 0 ac  
 CN(wtd) = 86.3 = 88  
 Tc = 15 min

**NOTE:**  
 1. REFER TO DRAWING CVL-12-11-101-001 FOR ADDITIONAL NOTES AND INFORMATION.

INCHES: 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1

CENTIMETERS: 2, 3, 4, 5, 6, 7, 8

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

REVISION APPROVAL RECORD				REVISIONS				DRAWING STATUS							
DISCIPLINE	BY	DATE	REVISION	BY	CHKR	ISSUED	REV	DATE	SDE	PEM	DATE	REV	DATE	SDE	PEM
ARCH.				H	8/24/2011	REVISED PER HYDRO AUDIT	CT	ERH							
CIVIL				G	2/09/2010	REVISED PER E.R. AUDIT	NG	ERH	PRELIMINARY	H	08/24/11	ERH	JD		
ELECTRICAL				F	8/05/2008	ISSUED FOR FSAR	NG	ERH							
ENVIRON.				E	7/10/2008	ISSUED FOR FSAR	NG	ERH							
GEN. ARRANG.				D	3/20/2008	REVISED CONCEPTUAL DESIGN	NG	ERH							
HVAC				C	9/14/2007	ISSUED FOR CONCEPTUAL DESIGN	NG	ERH	APPROVED FOR CONSTRUCTION						
I & C				B	8/30/2007	ISSUED FOR CALCULATION SUBMISSION	NG	ERH	NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED. DESTROY ALL PRINTS BEARING EARLIER DATE &/OR REV. NO.						
				A	8/22/2007	ISSUED FOR IN-HOUSE REVIEW	NG	ERH							

DEPT.: CIVIL

PROJECT NO.: 29427  
 WORK PACKAGE: 100  
 DRAWN: N. GANDHI  
 DATE: 8/22/2007  
 CHECKED: R. HENDRICKS  
 DATE: 7/10/2008  
 SCALE: 1" = 100'

**PRELIMINARY**

NON-SAFETY RELATED

GRADING AND DRAINAGE PLAN  
 SHEET 3 OF 4

LUMINANT / COMANCHE PEAK  
 UNITS 3 & 4  
 MNES US APWR

**URS**  
 URS ENERGY & CONSTRUCTION, INC.

DWG. NO. CVL-12-11-104-001  
 REV H