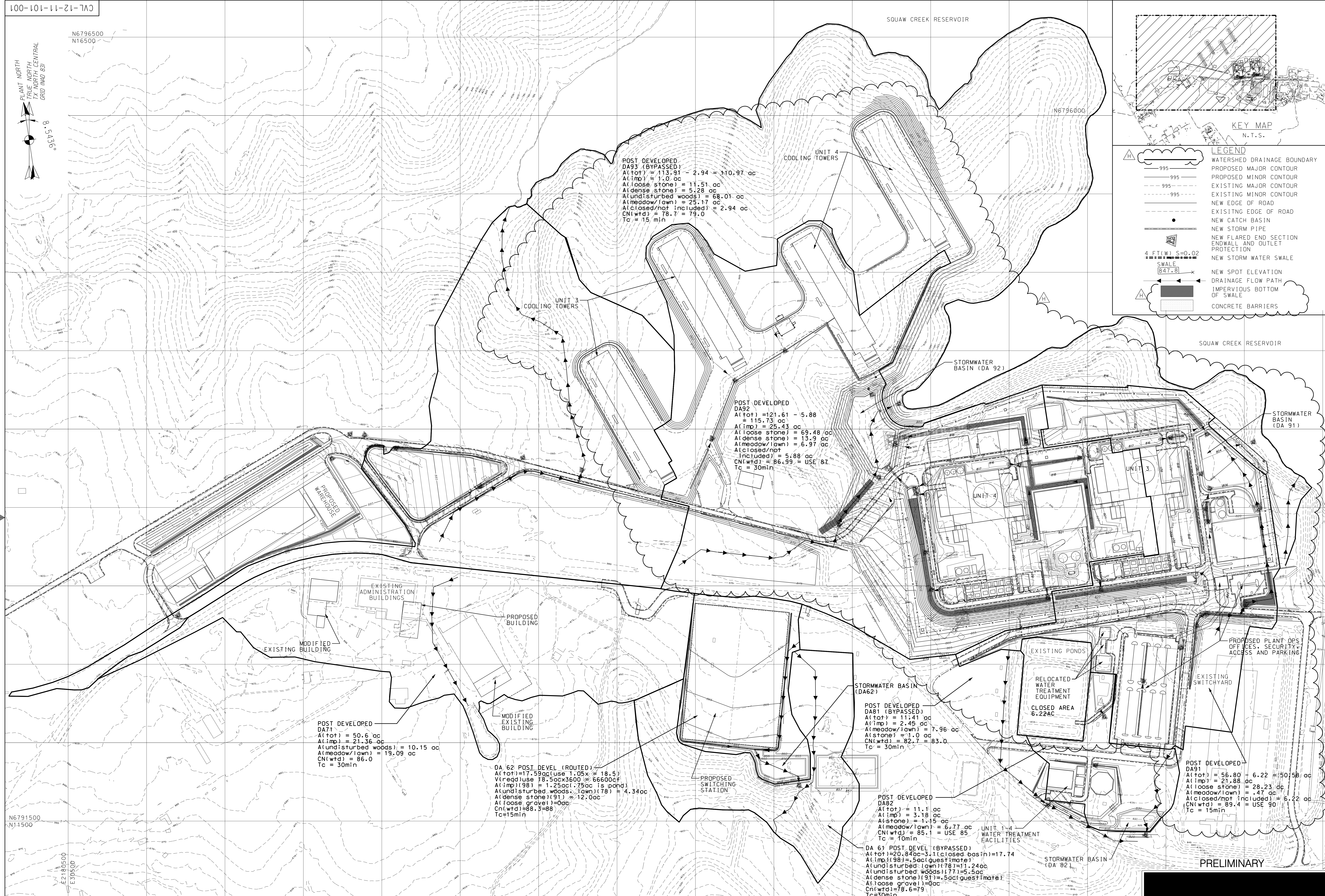
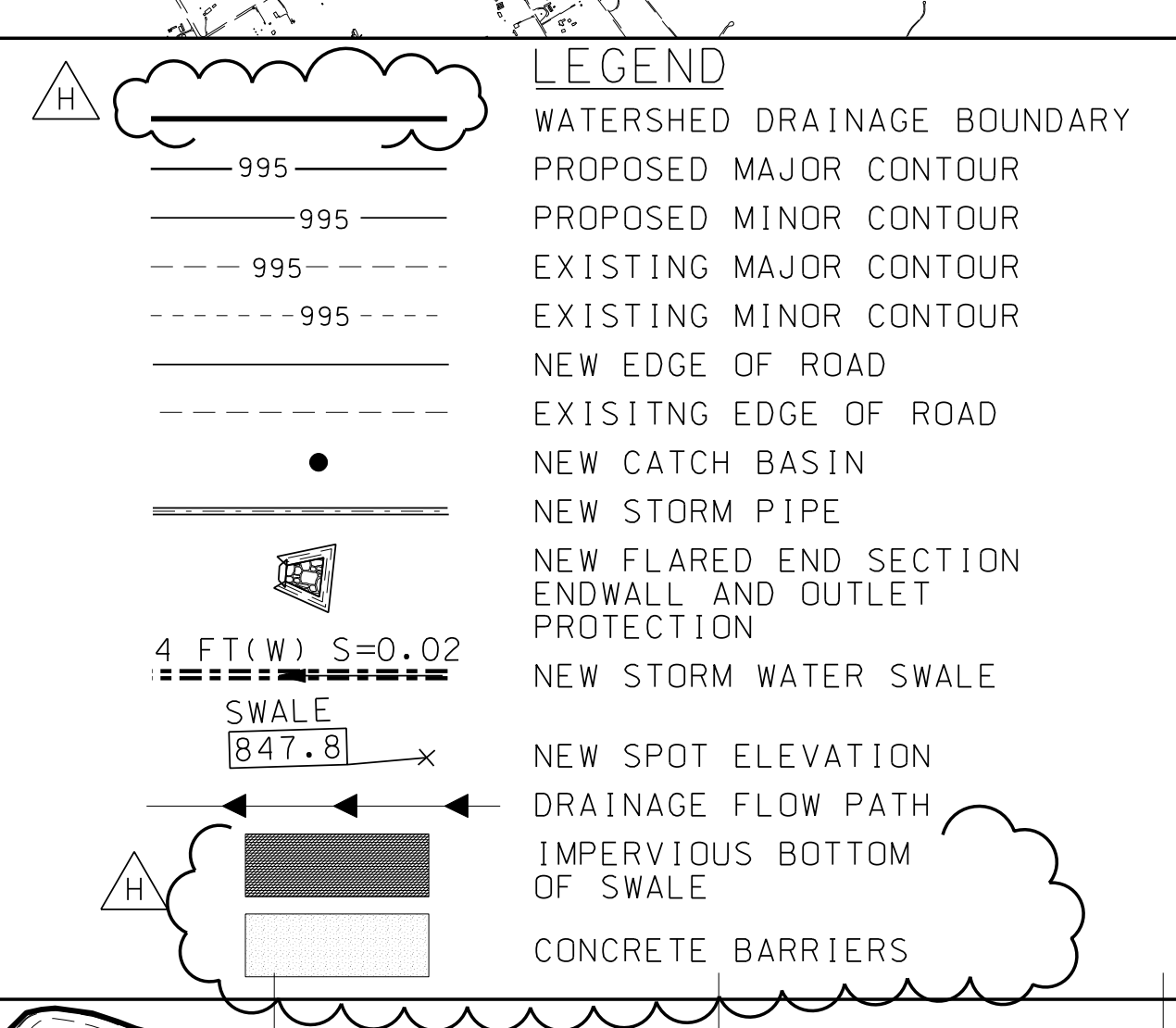
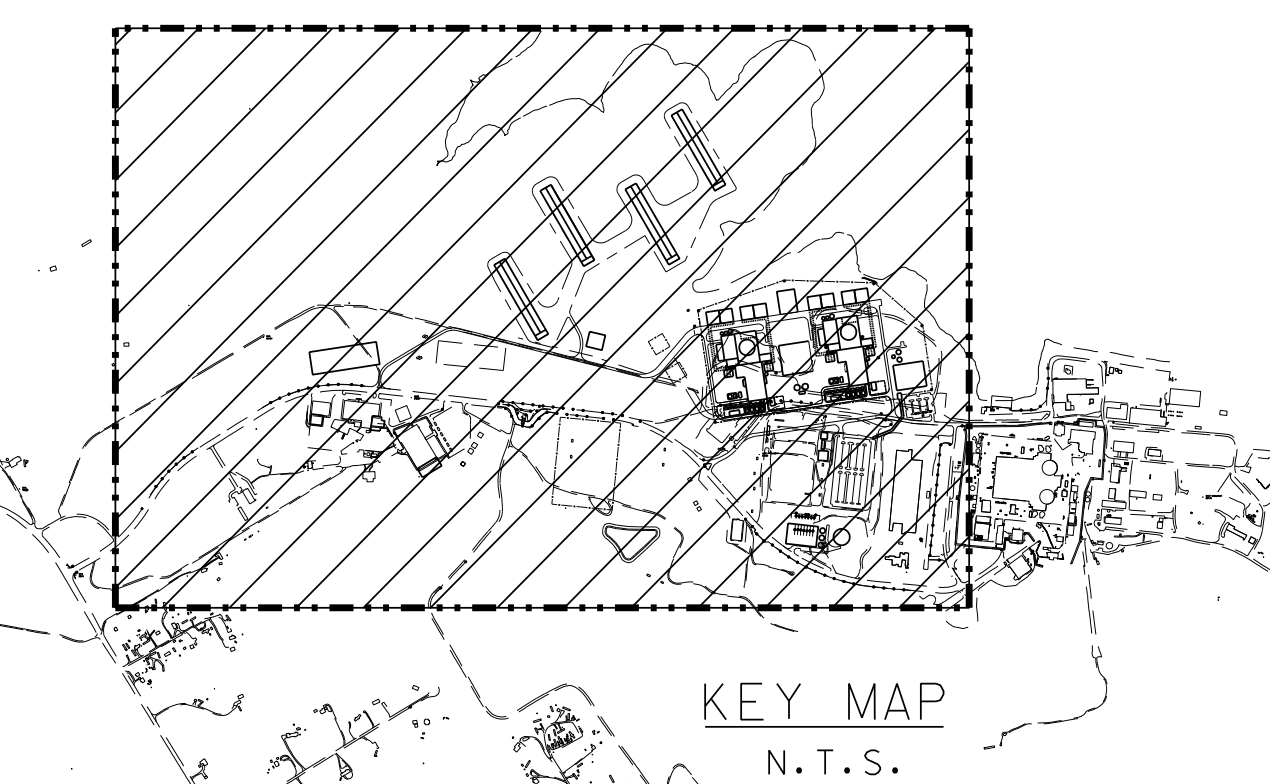


PLANT NORTH
TRUE NORTH
GRID (NAD 83)
8 5 43.9°

N6796500
N16500

SQUAW CREEK RESERVOIR

N6796000



POST DEVELOPED
DA93 (BYPASSED)
A(tot) = 113.91 - 2.94 = 110.97 ac
A(imp) = 1.0 ac
A(loose stone) = 11.51 ac
A(dense stone) = 5.28 ac
A(undisturbed woods) = 68.01 ac
A(meadow/lawn) = 25.17 ac
A(closed/not included) = 2.94 ac
Cn(wtd) = 78.7 = 79.0
Tc = 15 min

POST DEVELOPED
DA92
A(tot) = 121.61 - 5.88
= 115.73 ac
A(imp) = 25.43 ac
A(loose stone) = 69.48 ac
A(dense stone) = 13.9 ac
A(meadow/lawn) = 6.97 ac
A(closed/not included) = 5.88 ac
Cn(wtd) = 86.89 = USE 87
Tc = 30 min

POST DEVELOPED
DA71
A(tot) = 50.6 ac
A(imp) = 21.36 ac
A(undisturbed woods) = 10.15 ac
A(meadow/lawn) = 19.09 ac
Cn(wtd) = 86.0
Tc = 30 min

DA 62 POST DEVEL (ROUTED)
A(tot)=17.59ac(Use 1.05x=18.5)
V(road)use 18.5acx3600 = 66600cf
A(imp)(98) = 1.25ac(.75ac is pond)
A(undisturbed woods)(78) = 4.34ac
A(dense stone)(91) = 12.0ac
A(loose gravel)=0ac
Cn(wtd)=88.3=88
Tc=15min

POST DEVELOPED
DA81 (BYPASSED)
A(tot) = 11.41 ac
A(imp) = 2.45 ac
A(meadow/lawn) = 7.96 ac
A(stone) = 1.0 ac
Cn(wtd) = 82.7 = 83.0
Tc = 30 min

POST DEVELOPED
DA82
A(tot) = 11.1 ac
A(imp) = 3.18 ac
A(stone) = 1.15 ac
A(meadow/lawn) = 6.77 ac
Cn(wtd) = 85.1 = USE 85
Tc = 10 min

DA 61 POST DEVEL (BYPASSED)
A(tot)=20.84ac-1.1(closed basin)=17.74
A(imp)(98)=.5ac(questimate)
A(undisturbed lawn)(78)=11.24ac
A(undisturbed woods)(77)=5.5ac
A(dense stone)(91)=.5ac(questimate)
A(loose gravel)=0ac
Cn(wtd)=78.6=79
Tc=30min

POST DEVELOPED
DA91
A(tot) = 56.80 - 6.22 = 50.58 ac
A(imp) = 21.88 ac
A(loose stone) = 28.23 ac
A(meadow/lawn) = 4.47 ac
A(closed/not included) = 6.22 ac
Cn(wtd) = 89.4 = USE 90
Tc = 15 min

NOTES
1. THE FINAL SURFACING WITHIN THE "SECURE AREA" WILL BE CONCRETE, ASPHALT AND STONE. BUILDING ROOFS WILL BE IMPERVIOUS. AREAS OUTSIDE AND UPSTREAM OF THE "SECURE AREA" WILL BE OF A SIMILAR SURFACING. HOWEVER SOME UPSTREAM AREAS USED FOR TEMPORARY CONSTRUCTION FACILITIES MAY BE RESTORED TO A VEGETATIVE SURFACE.
2. FOR THE PURPOSE OF THE GRADING AND DRAINAGE DESIGN THE SWALES PRESENTED (DEFINED LENGTH, WIDTH & SLOPE) WILL HAVE AN IMPERVIOUS BOTTOM (CONCRETE OR SIMILAR) AND SIDE SLOPES WILL BE RIP-RAP OR SIMILAR, FOR EROSION PROTECTION. DRAINAGE PATHS WOULD HAVE THE SAME SURFACING AS THE ADJOINING AREAS.

REVISION APPROVAL RECORD				REVISIONS			
DISCIPLINE	BY	DATE	RECORD	REV	DATE	ISSUED	DRAWING STATUS
ARCH.			MECHANICAL	H	8/24/2011	REVISED PER HYDRO AUDIT	
CIVIL			NUCLEAR	G	2/09/2010	REVISED PER E.R. AUDIT	PRELIMINARY
ELECTRICAL			PIPING	F	8/05/2008	ISSUED FOR FSAR	
ENVIRON.			PROCESS	E	7/10/2008	ISSUED FOR FSAR	
GEN. ARRANG.			QA / QC	D	3/20/2008	REVISED CONCEPTUAL DESIGN	
HVAC			STRUCTURAL	C	9/14/2007	ISSUED FOR CONCEPTUAL DESIGN	APPROVED FOR CONSTRUCTION
I & C				B	8/30/2007	ISSUED FOR CALCULATION SUBMISSION	NOT APPROVED FOR CONSTRUCTION UNLESS SIGNED & DATED BY DESIGNER
				A	8/22/2007	ISSUED FOR IN-HOUSE REVIEW	DATE &/OR REV. NO.

0 200' 400' 600'
SCALE: 1" = 200'

NON-SAFETY RELATED
POST DEVELOPMENT
DRAINAGE AREA MAP
DEPT.: CIVIL
PROJECT NO.: 29427
WORK PACKAGE: 100
DRAWN: N.GANDHI
DATE: 8/20/2007
CHECKED: R.HENDRICKS
DATE: 7/10/2008
SCALE: 1"=200'
LUMINANT/COMANCHE PEAK
UNITS 3 & 4
MNES US APWR
URS
510 CARNEGIE CTR
PRINCETON, NJ 08540
(609)770-2000
STATE OF TEXAS ENGINEERING
CERTIFICATE OF AUTHORIZATION NO. F-2660
URS ENERGY & CONSTRUCTION, Inc.
DWG. NO. CVL-12-11-101-001
REV H

INCHES
CENTIMETERS
1
2
3
4
5
6
7
8