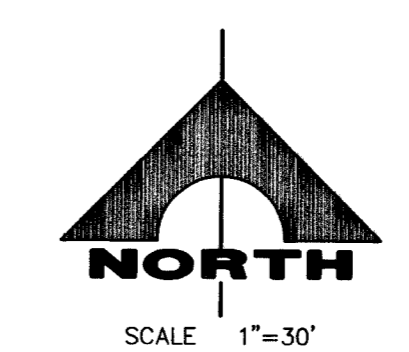


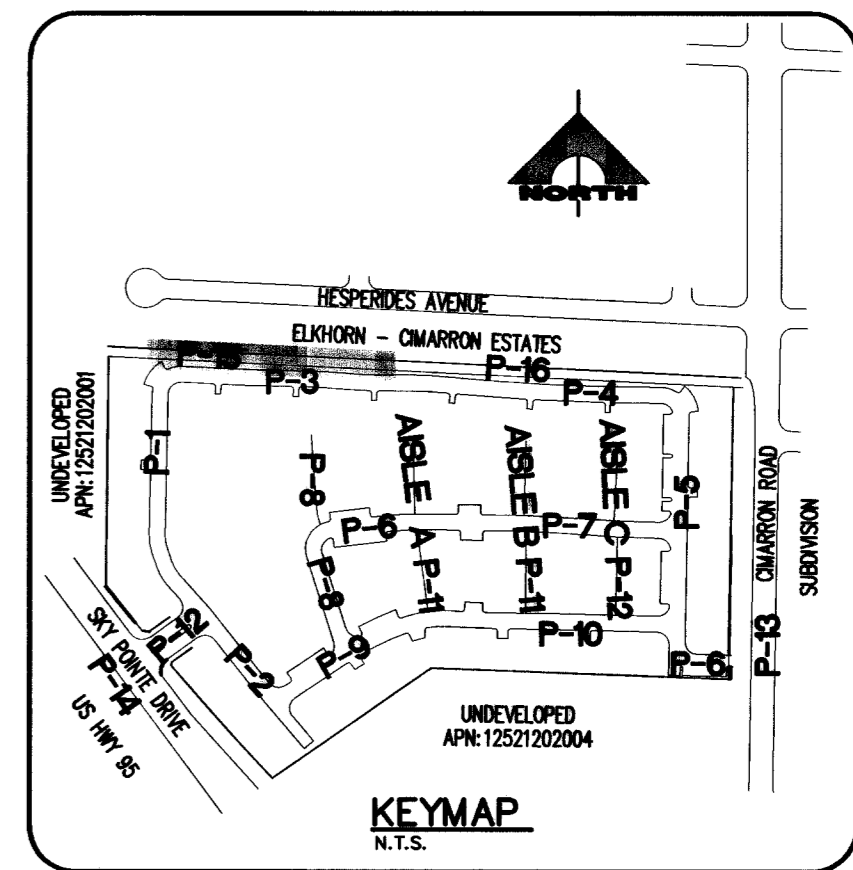
STORM DRAIN
(PUBLIC)



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

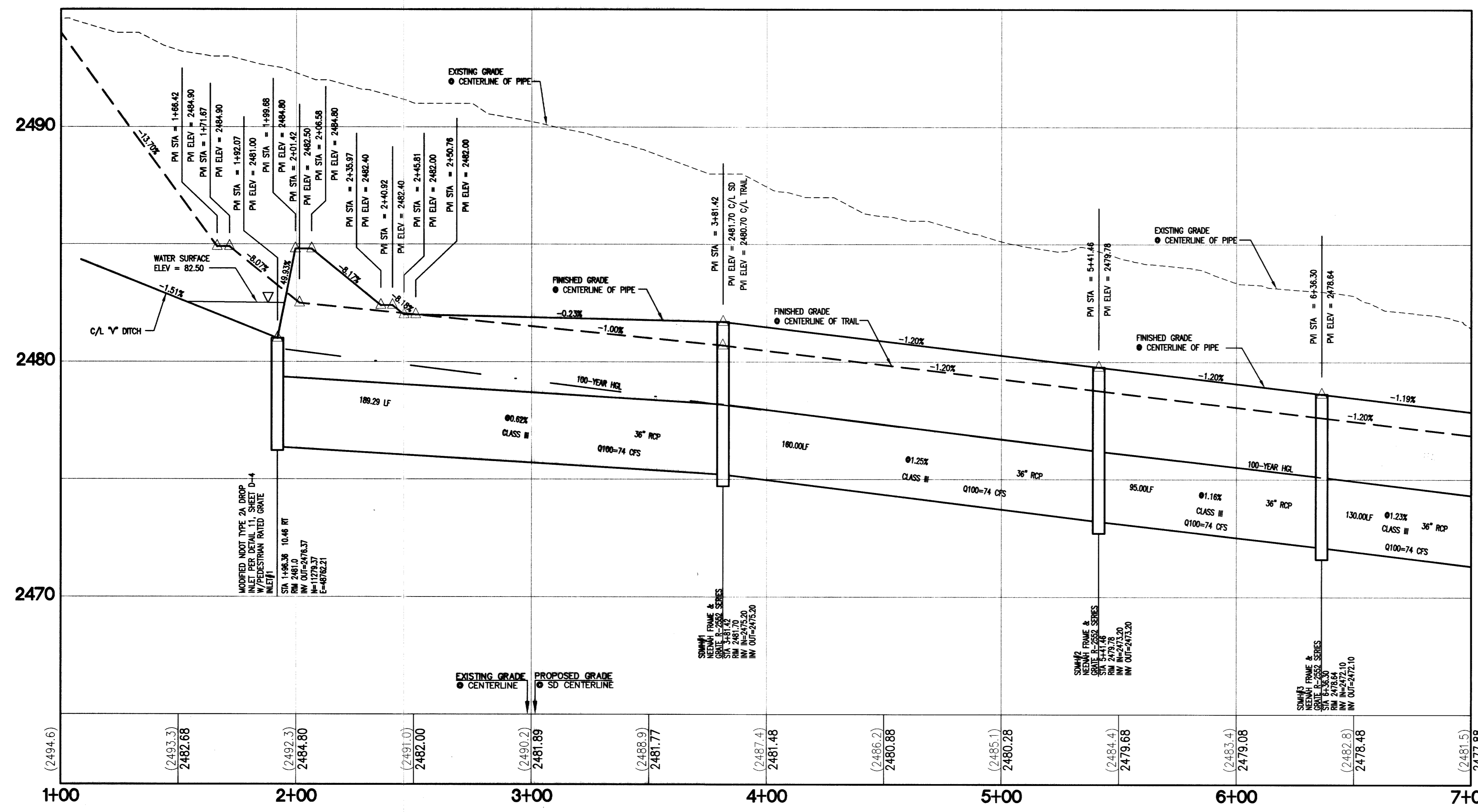
BASIS OF BEARINGS
NORTH 87°14'48" WEST BEING THE BEARING OF THE NORTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 21, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 119, PAGE 02 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

- NOTE:**
ALL PUBLIC SEWERS SHOWN ON THIS PLAN WILL BE IN A PUBLIC SEWER EASEMENT AS SHOWN ON THE FINAL MAP.
- NOTES:**
NOT ENCROACHMENT PERMIT REQUIRED FOR ALL WORK PERFORMED IN THE NEVADA STATE RIGHT-OF-WAY.
- NOTES:**
ALL AREAS NOT OCCUPIED BY A BUILDING ARE A PUBLIC DRAINAGE EASEMENT AND A PUBLIC SEWER EASEMENT TO BE PRIVATELY MAINTAINED BY THE H.O.A.



CONSTRUCTION NOTES:

- ROADWAY NOTES:
- (A) CONSTRUCT 30" ROLL TYPE CURB PER TYPICAL SECTION 2/D-3
 - (B) CONSTRUCT 4" SIDEWALK PER STANDARD DRAWING NO. 234
 - (C) CONSTRUCT "L" TYPE ISLAND CURB PER STANDARD DRAWING NO. 219 (REVERSE PLANE)
 - (D) CONSTRUCT 8" WIDE VALLEY GUTTER PER STANDARD DRAWING NO. 228
 - (E) CONSTRUCT 10" CURB PER TYPICAL SECTION 1/D-3
 - (F) CONSTRUCT 10" TRANSITION FROM "L" TYPE TO ROLL CURB
 - (G) CONSTRUCT 10" TRANSITION FROM ROLL CURB TO VALLEY GUTTER
 - (H) CONSTRUCT 24" "L" TYPE CURB PER STANDARD DRAWING NO. 216
 - (I) CONSTRUCT SIDEWALK RAMP (CASE II/TABLE 1) PER STANDARD DRAWING NO. 235 AND TOWN CENTER STANDARDS (SEE GRADING SHEETS FOR "A" AND "B" DIMS.)
 - (J) CONSTRUCT "A" TYPE ISLAND CURB PER STANDARD DRAWING NO. 219
 - (K) CONSTRUCT SIDEWALK DRAIN PER STANDARD DRAWING #236
 - (L) CONSTRUCT 4.5" AC PAVEMENT OVER 4" TYPE II BASE, OVER 9" TYPE I
 - (M) CONSTRUCT 30" VALLEY GUTTER PER DETAIL 3/D-3
 - (N) CONSTRUCT 2" AC PAVEMENT OVER 4" TYPE II BASE
 - (O) CONSTRUCT "V" CHANNEL PER DETAIL 6/D-3
 - (P) CONSTRUCT 16" x 4" WALL OPENING PER DETAIL 8/D-3
 - (R) CONSTRUCT VIEW FENCE PER DETAIL 4/D-3
 - (S) CONSTRUCT 5" SIDEWALK PER STANDARD DRAWING NO. 234
 - (T) CONSTRUCT "L" TYPE ISLAND CURB PER STANDARD DRAWING NO. 219
 - (U) CONSTRUCT 10" SIDEWALK PER STANDARD DRAWING NO. 234
 - (V) CONSTRUCT SIDEWALK DRAIN PER DETAIL 6/D-4
 - (W) SEE TRENCH DETAIL ON THIS SHEET FOR STORM DRAIN UNDER WALL FOOTING. USE THIS TRENCH 3' BOTH SIDES FOOTING.
 - (X) INSTALL CONCRETE CAR STOPS



CENTERLINE CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	91°28'33"	41.50	66.26	42.56
C2	1°28'42"	1756.00	45.88	22.94
C3	4°31'14"	1200.00	87.70	43.87
C4	5°04'35"	658.00	58.30	29.17

CENTERLINE LINE TABLE

LINE	LENGTH	BEARING
L11	123.05	S87°17'11"E
L12	85.38	S88°47'20"E
L13	74.04	S89°40'40"E

BACK OF CURB CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C58	90°00'00"	5.00	7.85	5.00
C59	90°00'00"	5.00	7.85	5.00
C60	94°24'48"	58.00	9.92	4.97
C61	85°26'53"	5.00	7.46	4.62
C62	36°35'10"	79.00	50.45	26.12
C63	84°00'15"	5.00	7.33	4.50
C64	34°27'25"	58.00	34.88	17.99
C65	91°28'33"	25.00	39.91	25.65
C66	90°00'00"	5.00	7.85	5.00
C67	90°00'00"	5.00	7.85	5.00
C68	1°28'42"	1739.50	45.45	22.73
C69	4°11'15"	1216.50	88.91	44.48
C70	5°04'35"	641.50	56.84	28.44
C71	5°04'35"	674.50	59.76	29.90
C72	4°11'15"	1183.50	85.50	43.27
C73	1°28'42"	1772.50	46.31	23.16

BACK OF CURB LINE TABLE

LINE	LENGTH	BEARING
L58	131.33	S01°13'56"W
L59	16.00	S88°48'04"E
L60	12.83	S01°13'56"W
L61	16.00	S88°48'04"E
L62	47.69	S01°13'56"W
L63	16.20	N74°23'09"W
L64	16.33	S38°58'47"E
L65	66.75	S87°17'31"E
L66	16.00	N02°42'29"E
L67	11.70	N87°17'31"W
L68	16.00	N02°42'29"E
L69	121.80	S87°17'31"E
L70	85.38	S88°47'20"E
L71	74.04	S89°40'40"E
L72	85.38	S88°47'20"E
L73	34.60	S87°17'31"E
L74	16.41	N53°25'41"E

DRAINAGE CERTIFICATION

I CERTIFY THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS FOR THIS PROJECT.

Rick J. Read 15280 12/18/04
RICK J. READ P.E. NO. DATE

BENCHMARK

CLV BENCHMARK: 8LV90 21C4
NAVD 88 ELEVATION: 747.010 (M)-2450.82 (F)
CITY OF LAS VEGAS RIVET AND ROUND PLATE IN TOP OF CURB, NORTHEAST CORNER OF DEER SPRINGS WAY AND CIMARRON RD.



GRADING AND UTIL. NOTES

- ADD 2400 FT TO ALL PROPOSED ELEVATIONS.
- ALL PROPOSED SEWER IS TO BE PUBLIC.
- ALL PROPOSED WATER IS PUBLIC UP TO FMCT & PRIVATE INSIDE SKY POINTE SUBDIVISION.
- DRAINAGE EASEMENTS TO BE PUBLIC BUT PRIVATELY MAINTAINED BY H.O.A.

STATE OF NEVADA
RICK J. READ
P.E. No. 15280
12/18/04

DESIGN: _____
DRAWN: _____
CHECK: _____
ISSUE DATE: _____
ISSUE EDITOR: _____
PLOT DATE: 12-14-04
PLOT TIME: 02:48:52

G. C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2289
15764-0774/04/04/07/12-18-04

PULTE HOMES, INC.
CENTENNIAL HILLS - SKY POINTE CONDOMINIUMS
STORM DRAIN PROFILE
STA 1+00 TO STA. 7+00

DRAWING
P-15
10744848
22 OF 38 SHTS

76631