

1. ALL GRADES SHOWN ARE FINISHED GRADES UNLESS OTHERWISE NOTED.
2. ALL LOT GRADING IS BASED ON F.H.A. TYPE "A" DRAINAGE UNLESS OTHERWISE NOTED.
3. THE GRADING PLANS WILL BE AT THE PROJECT SITE THROUGHOUT THE COURSE OF CONSTRUCTION.
4. ALL GRADING SHALL BE PERFORMED IN CONFORMANCE WITH THE LINES, GRADES AND DETAILS AS SHOWN ON THESE PLANS. ANY DEVIATION FROM THESE PLANS WILL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE ENGINEER.
5. ALL PADS ARE TO BE GRADED WITHIN 0.3' OF THE ELEVATIONS AS SHOWN ON THE PLANS. GRADING IS NOT COMPLETE UNTIL THE ENGINEER HAS CERTIFIED THAT THE PADS HAVE BEEN GRADED IN SUBSTANTIAL CONFORMANCE TO THE PLANS.
6. ROUGH GRADING FOR ROADWAY SUBGRADE ASSUMES THAT TYPE 1 GRAVEL WILL BE NECESSARY. THE OWNER AGREES THAT IF THE EXISTING NATIVE MATERIAL DOES NOT SATISFY THE SPECIFICATIONS FOR TYPE 1 BASE, THE OWNER WILL IMPORT AND PLACE TYPE 1 BASE AS NECESSARY FOR THE ROADWAY CONSTRUCTION. IN THIS EVENT, THE CONTRACTOR SHALL ADJUST THE ROUGH GRADING FOR ROADWAY SUBGRADE TO ACCOMMODATE THE ADDITIONAL DEPTH OF THE TYPE 1.
7. ALL GRADING SHALL BE PERFORMED IN CONFORMANCE WITH THE FOLLOWING REPORT PREPARED BY: SUMMIT GEOTECHNICAL

AMENDED BY: KLENFELDER INC.
1850 PARADO
OF LAS VEGAS, NEVADA
(702) 736-2396
8. QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.
9. EARTHWORK QUANTITIES DO NOT REFLECT LOSSES DUE TO SHRINKAGE OR SUBSIDENCE.
10. EARTHWORK QUANTITIES DO NOT REFLECT ADDITIONAL GRADING WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT PROTECTIVE BERMS OR DITCHES NOT SHOWN ON PLANS.
11. EARTHWORK QUANTITIES DO REPRESENT ROUGH GRADES CONFORMING TO ALL LINES, GRADES AND DETAILS AS SHOWN ON THE PLANS.
12. EXCESS MATERIAL, IF ANY, MAY BE DISPOSED OF AT ANY OFFSITE LOCATION AS CHOSEN BY THE CONTRACTOR.
13. THE CONTRACTOR'S BID SHALL INCLUDE THE COST TO DISPOSE OF AND/OR HAUL ANY EXCESS MATERIAL.
14. QUANTITIES DO NOT REFLECT THE USE OF TYPE 1 BASE FOR ROADWAY CONSTRUCTION.
15. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
16. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE, EGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE CITY ENGINEER.

	SUBDIVISION LIMITS
	STREET CENTERLINE
	EXISTING OR FUTURE IMPROVEMENTS
	BLOCK NUMBER
	LOT NUMBER
	ON-SITE BENCHMARK
	EXISTING OR FUTURE PAD ELEVATION
	PROPOSED PAD ELEVATION
	EXISTING CONTOUR
	EXISTING ELEVATION
	PROPOSED ELEVATION
	FUTURE ELEVATION
	FLOW LINE
	FINISHED GRADE
	TOP OF FUTURE CURB
	TOP OF CURB
	SWALE
	GRADE BREAK
	EXISTING OR FUTURE 2:1 SCARP
	PROPOSED 2:1 SCARP
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING SEWER LINE
	PROPOSED SEWER LINE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER MANHOLE
	"L" TYPE CURB AND GUTTER
	CROWN LINE

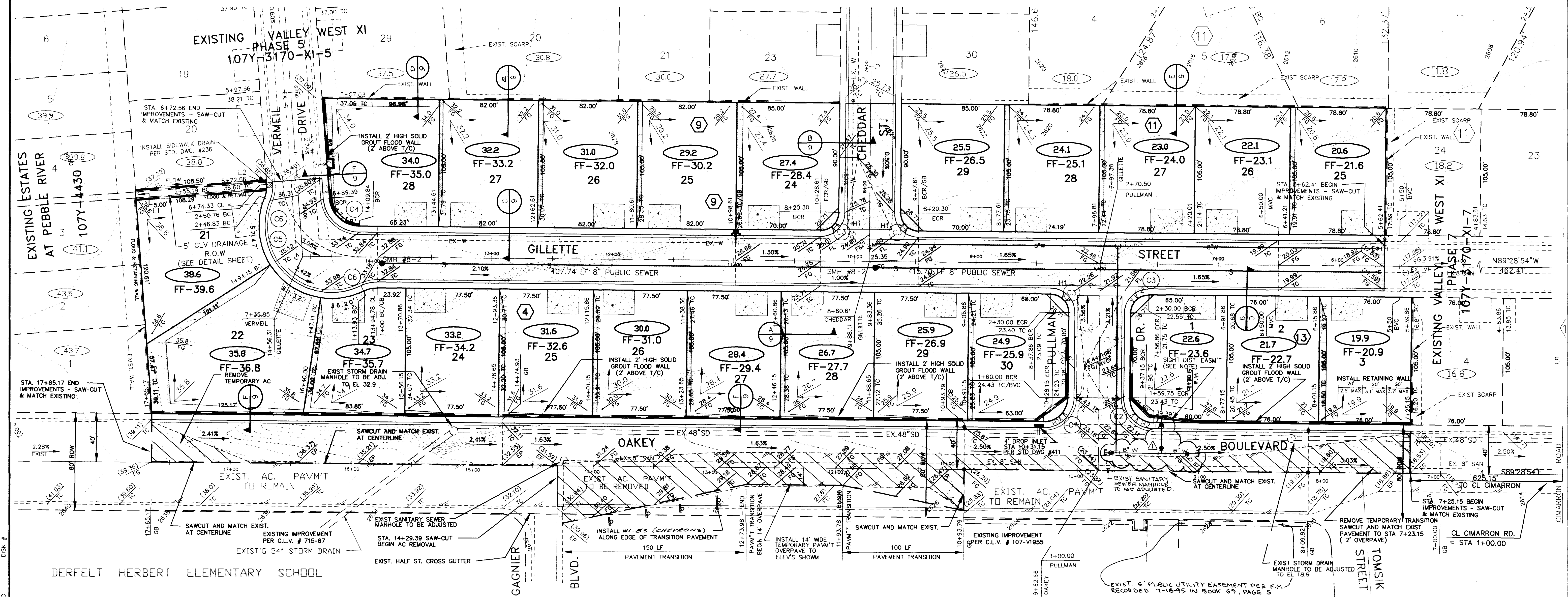
NOTES:

- 1.) SPOT GRADES LABELED INSIDE LOTS ARE ROUGH GRADES, ADD 0.3' FOR FINISHED SPOT GRADES.
- 2.) SIGHT DISTANCE EASEMENTS:
NO VIEW OBSTRUCTION OVER 30" ABOVE TOP OF CURB ALLOWED IN EASEMENTS.

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	89°58'58"	20.00'	31.41'	19.99'
C2	90°01'02"	20.00'	31.42'	20.01'
C3	90°00'00"	15.00'	23.56'	15.00'
C4	85°14'24"	25.00'	37.19'	23.00'
C5	138°26'57"	60.00'	144.98'	158.16'
C6	26°36'17"	25.00'	11.61'	5.91'
C7	34°30'01"	60.00'	36.20'	18.67'
C8	49°00'15"	60.00'	51.32'	27.35'
C9	54°52'42"	60.00'	57.47'	31.15'
C10	07°26'42"	25.00'	3.25'	1.63'
C11	18°00'08"	25.00'	7.85'	3.96'

NATIONAL GEODETIC VERTICAL DATUM OF 1929 (USED)
1LV10 5E4, RIVET AND PLATE IN TOP OF CURB AT
AT OAKLEY BLVD. AND DURANGO DRIVE, NORTH
CURB LINE. CITY OF LAS VEGAS DATUM
- ELEVATION = 2664.811 FEET
(FOR 1988 DATUM ADD 2.447 FEET.)

EX. VALLEY WEST XI, PHASE 6



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

ALLEY WEST XI, PHASE 8
ROUGH GRADING PLAN

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