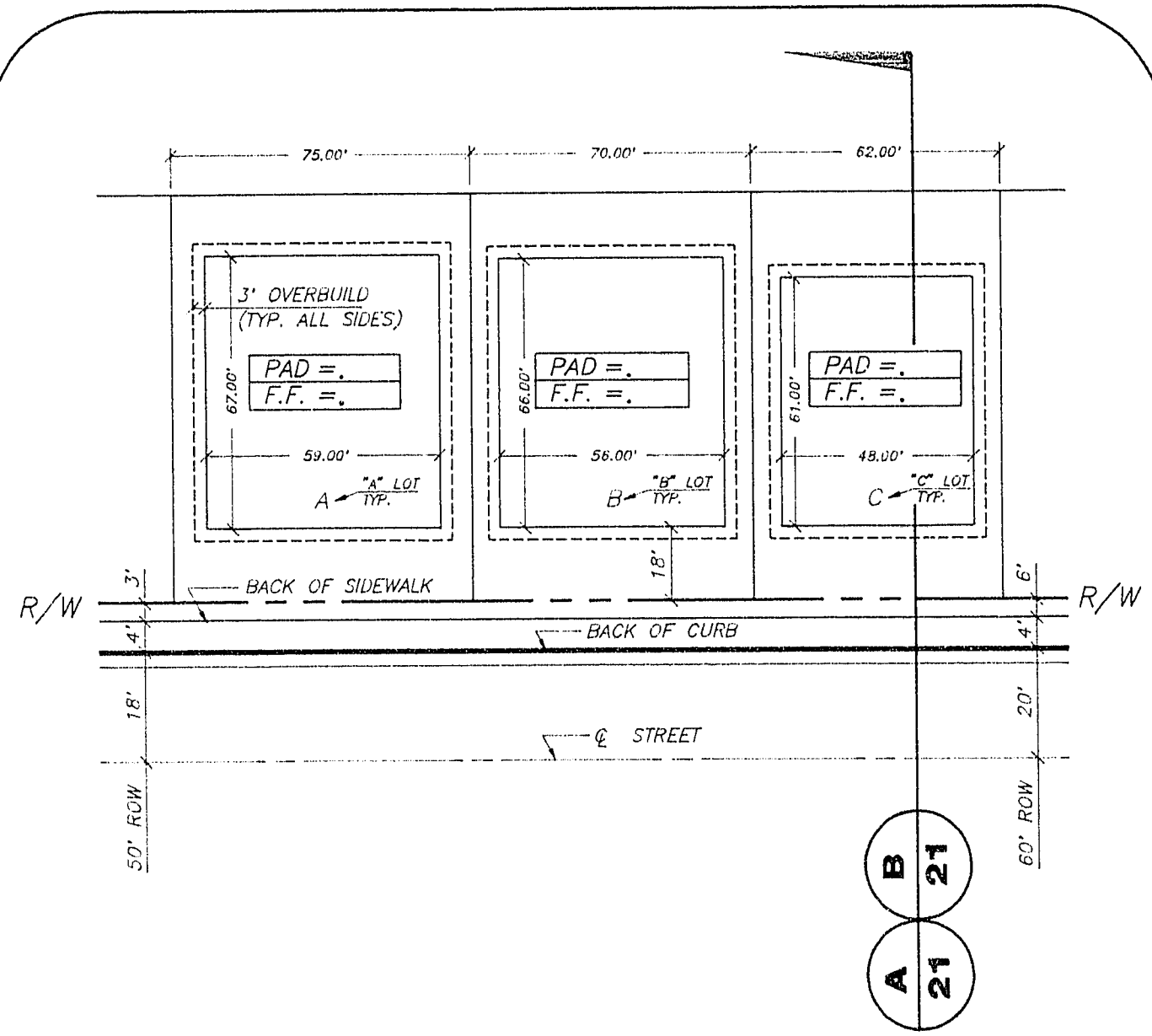




NOTE:
SECTION "D" TYPICAL FOR ALL SIDEYARD
GRADING, EXCEPT WHERE SIDEYARD
RETAINING WALL IS REQUIRED.

ROUGH GRADING PLAN

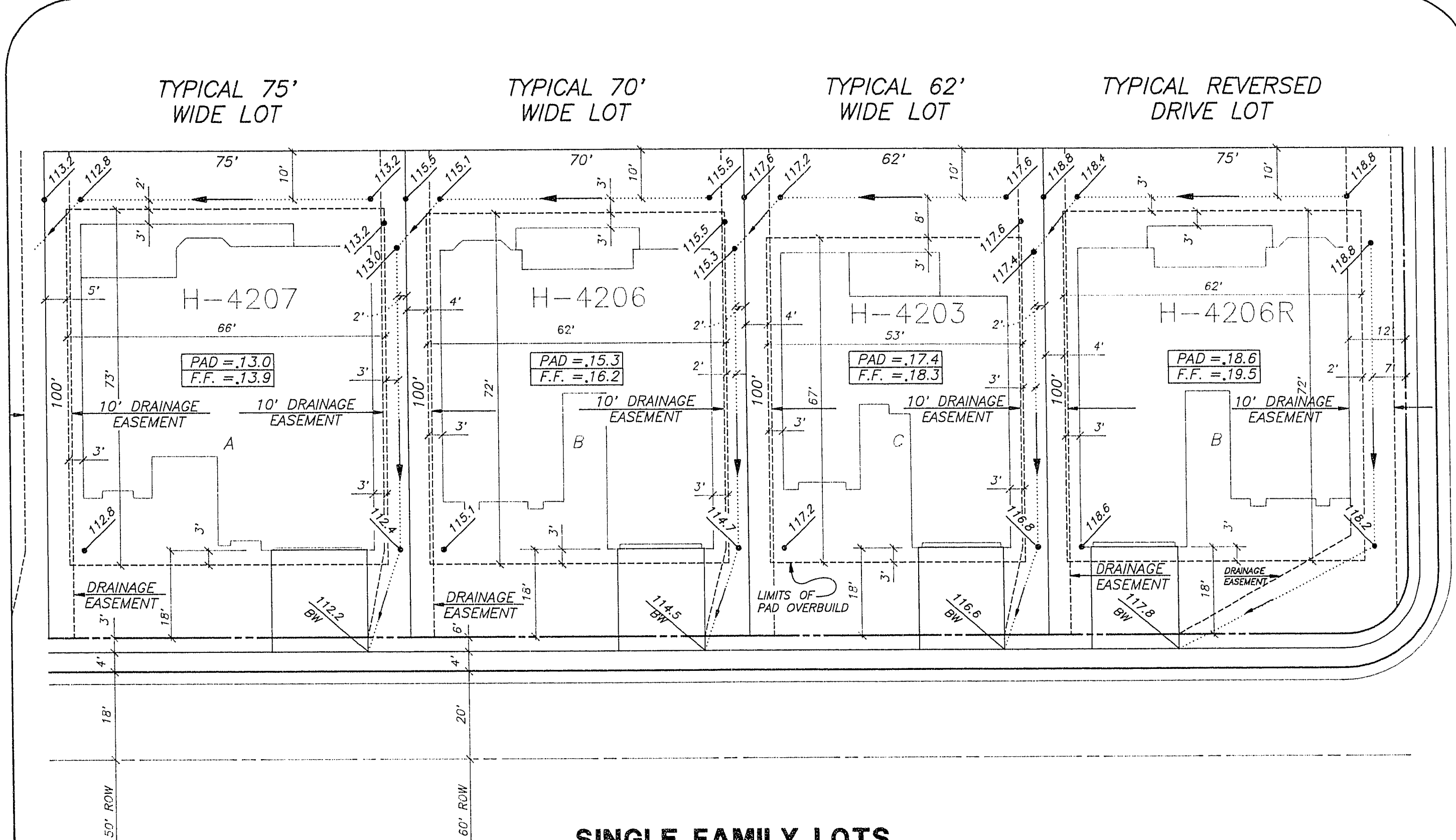
SINGLE FAMILY NOT TO SCALE

1
21

GRADING NOTES

- INDICATED GRADES ARE FINISHED GRADES.
- THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINE AND GRADES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND ROUGH GRADING DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
- CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
- ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.1' OF THE PAD ELEVATIONS SHOWN ON THE PLANS. WHEN GRADING IS COMPLETE PER THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE LOTS CAN BE INSPECTED. AT THAT TIME THE ENGINEER SHALL ALSO DECIDE IF ANY ADDITIONAL DITCHES OR BERMS ARE REQUIRED. THE CONTRACTOR IS REQUESTED NOT TO REMOVE ANY OF HIS ROUGH GRADING EQUIPMENT UNTIL HE RECEIVES GRADING APPROVAL FROM THE ENGINEER.
- SOILS REPORT BY WESTERN TECHNOLOGIES, INC. PROJECT NO. 4127J192 DATED SEPTEMBER 29, 1987.
* CLEARING AND GRUBBING OPERATIONS WILL RESULT IN SOME LOSS OF MATERIAL. EXCAVATION AND RECOMPACTION OF THE ONSITE SOILS WILL RESULT IN SHRINKAGE LOSSES. A SHRINKAGE FACTOR OF ABOUT 25 PERCENT IS ESTIMATED TO BE APPLICABLE FOR THE SOFT AND LOOSE TO MEDIUM DENSE DEPOSITS. A SHRINKAGE FACTOR OF ABOUT 5 TO 10 PERCENT SHOULD BE APPLICABLE FOR DENSE TO VERY DENSE DEPOSITS. THE CEMENTED DEPOSITS WILL HAVE A BULKAGE FACTOR WHEN EXCAVATED AND RECOMPACTION. AS AN EXAMPLE, A SHRINKAGE FACTOR OF 10 PERCENT WOULD MEAN IT WOULD REQUIRE 1.10 CUBIC YARDS OF EXCAVATED MATERIAL TO EQUAL 1.0 CUBIC YARD OF PROPERLY COMPACTED FILL. SUBSIDENCE OF THE SUBGRADE WHERE SOILS ARE SCARIFIED, WETTED AND RECOMPACTION WILL BE ON THE ORDER OF 0.1 FOOT OR LESS DEPENDING ON MATERIALS EXPOSED. *
THE ABOVE QUOTATION IS FROM PAGE 13 OF THE REPORT UNDER MATERIAL VOLUME CHANGES.
- EARTH QUANTITIES:
EXCAVATION 114,729 C.Y.
FILL 51,792 C.Y.
A) THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
B) THE ABOVE QUANTITIES DO REFLECT USING TYPE 1 GRAVEL BASE MATERIAL FOR STREET SECTIONS.
C) THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

* SEE NOTE 2 ON SECTION B



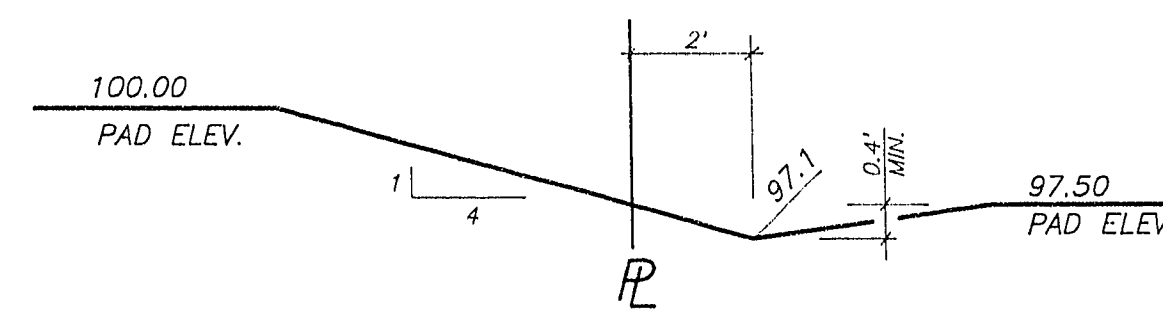
SINGLE FAMILY LOTS TYPICAL DRAINAGE GRADING PATTERNS

Call
before you
Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

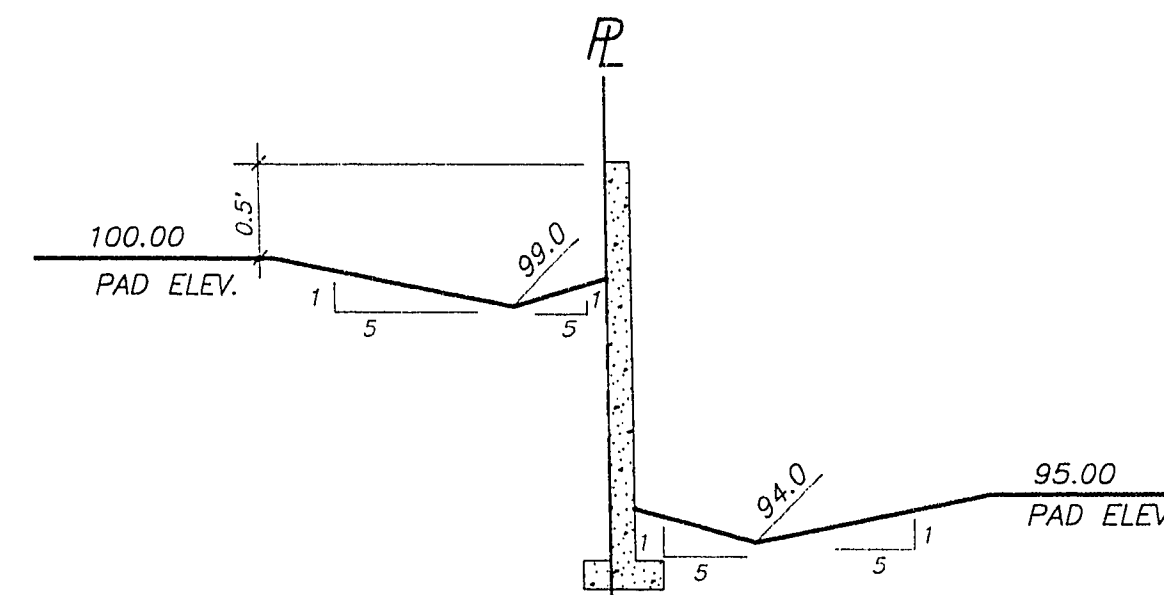
BENCHMARKS

CLV BENCHMARK: TOP OF CURB AT END OF CURB, WEST SIDE
OF DURANGO DRIVE, 250' SOUTH OF WESTCLIFF BOULEVARD.
ELEVATION: 2610.16

PROJECT BENCHMARK: BRASS CAP IN IRON PIPE,
102' NORTH AND 64' WEST OF THE INTERSECTION
OF SUN CITY BLVD. AND THOMAS W. RYAN BLVD.
N 532,894.8996 E 577,451.3457
ELEVATION: 2651.66

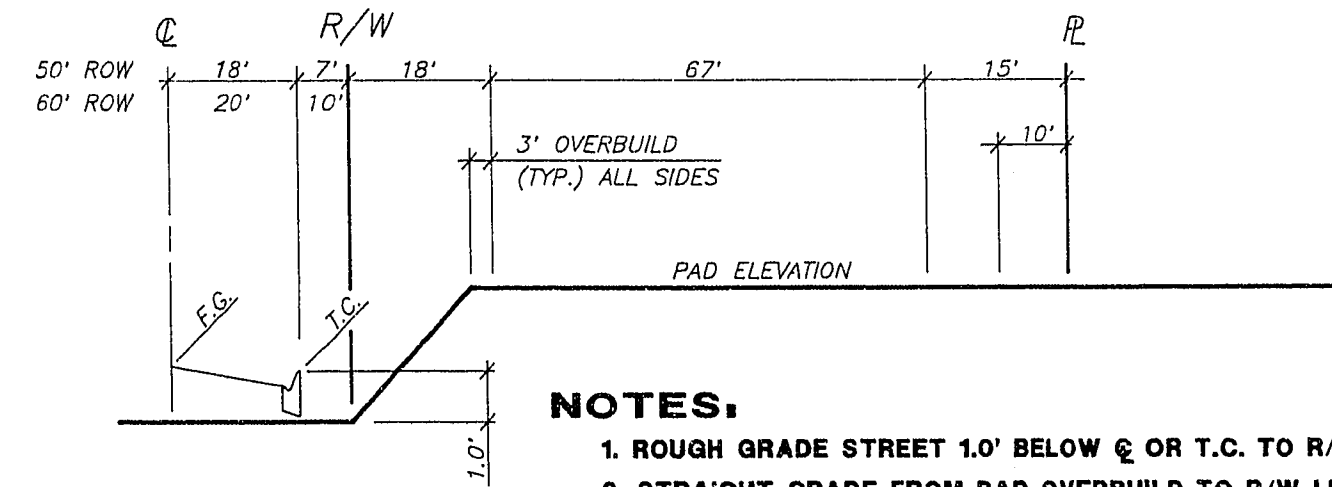


SECTION D PAD ELEVATION DIFFERENCE 0' TO 2.5'



SECTION C PAD ELEVATION DIFFERENCE GREATER THAN 2.5'

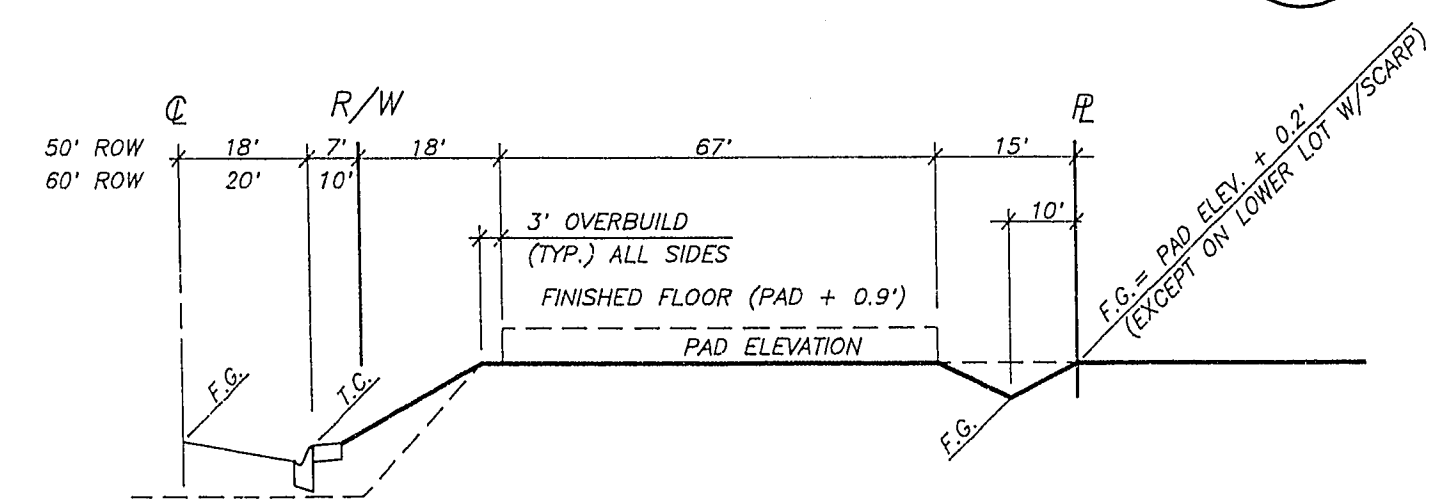
FINISHED GRADING SIDE YARD SECTIONS



- NOTES:
1. ROUGH GRADE STREET 1.0' BELOW $\mathcal{C}$ OR T.C. TO R/W LINE.
2. STRAIGHT GRADE FROM PAD OVERBUILD TO R/W LINE.

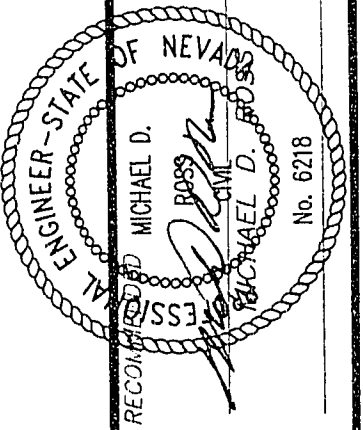
ROUGH GRADING SECTION

B
21



FINISHED GRADING SECTION

A
21



G. C. WALLAGE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89102

DEL WEBB COMMUNITIES, INC.
SUN CITY LAS VEGAS UNIT NO. 39
GRADING DETAILS 1

SHEET
21
OF 22 SHEETS

10-9-62 1074-4141-39