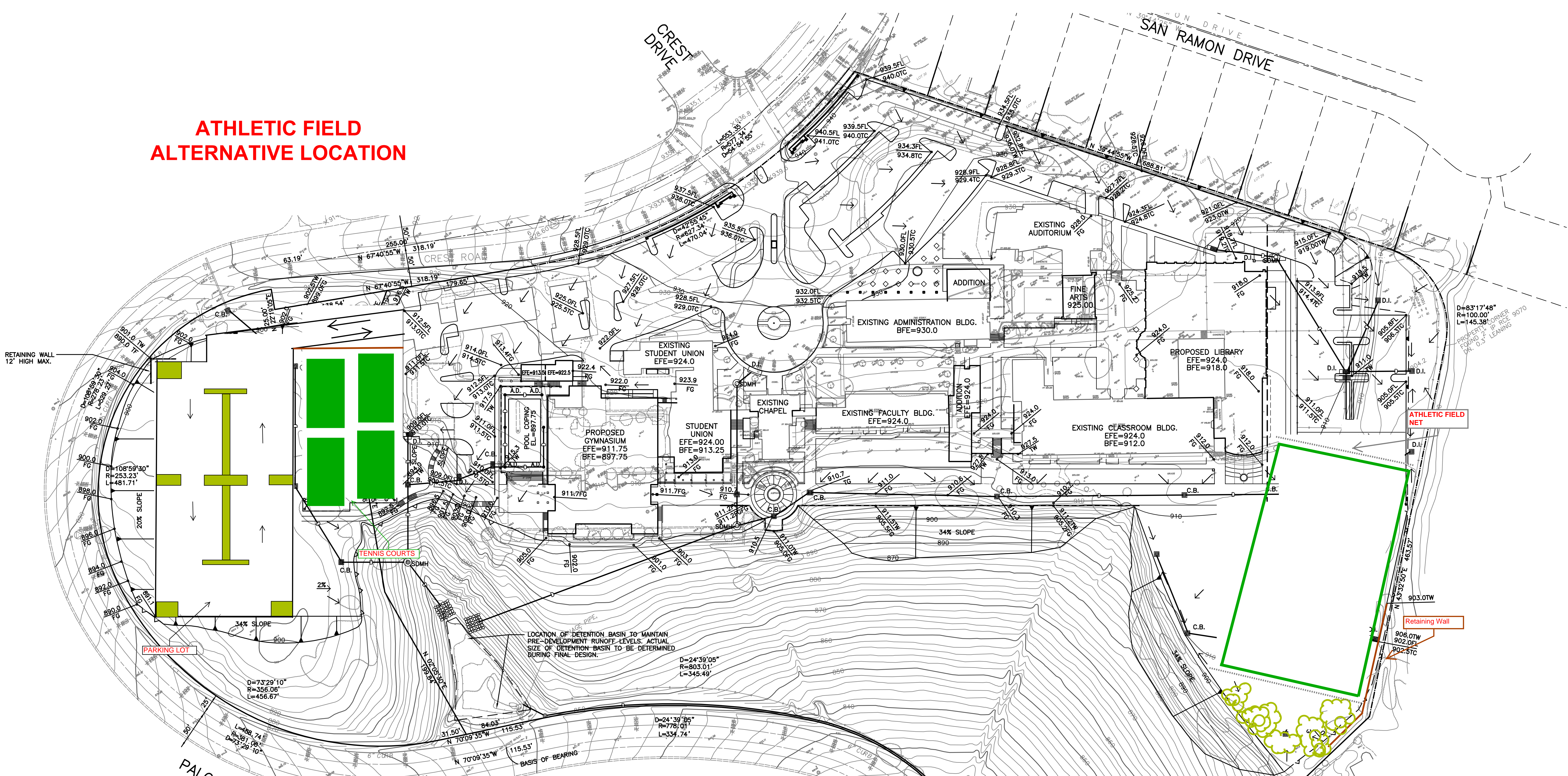


# ATHLETIC FIELD ALTERNATIVE LOCATION



## EARTHWORK

ESTIMATED EARTHWORK QUANTITIES:

DUE TO THE PRELIMINARY NATURE OF THESE PLANS, QUANTITIES MAY VARY AND PROPOSED ELEVATIONS MAY REQUIRE ADJUSTMENTS TO COMPENSATE FOR SUBSIDENCE, LOSSES DUE TO CLEARING AND GRUBBING OPERATIONS, SITE SPECIFICS, ETC. DURING FINAL GRADING PLAN PREPARATION, PARKING LOT GRADES WILL BE HELD AT OR NEAR THE PROPOSED ELEVATIONS SHOWN HEREON AND FINISH FLOOR, SOCCER FIELD AND TENNIS COURT ELEVATIONS WILL BE VARIED TO BALANCE EARTHWORK ON-SITE.

	EXCAVATION	EMBANKMENT
SITE GRADING	56000 C.Y.	30000 C.Y.
LOSS DUE TO CLEARING & GRUBBING:	-6900 C.Y.	4900 C.Y.
SUBTOTAL	49100 C.Y.	34900 C.Y.
OVEREXCAVATION:	7500 C.Y.	7500 C.Y.
SUBTOTAL	56600 C.Y.	42400 C.Y.
SHRINKAGE @ 25%:	-14200 C.Y.	0 C.Y.
TOTAL	42400 C.Y.	42400 C.Y.

- ESTIMATED QUANTITIES SHOWN ABOVE ARE GRID SURFACE VOLUMES COMPUTED FROM EXISTING GROUND ELEVATIONS TO THE PROPOSED ELEVATIONS SHOWN ON THIS PLAN.
- CLEARING AND GRUBBING OPERATIONS ARE ASSUMED TO RESULT IN A LOSS OF 0.15' OF LANDSCAPED OR OPEN AREAS, 0.33' OF CONCRETE AREAS SUCH AS WALKWAYS, 1.0' OF BUILDINGS TO BE REMOVED AND 0.50' OF PAVEMENT AREAS OVER THE GRADED AREA (APPROX. 640,000 S.F.).
- THE SHRINKAGE FACTOR OF 25% APPLIED TO THE EXCAVATION QUANTITY IS ASSUMED.
- FOR THE PURPOSE OF THESE EARTHWORK CALCULATIONS, THE PAVEMENT STRUCTURAL SECTION AND BUILDING FOUNDATIONS ARE ASSUMED TO BE 1.0'.
- ESTIMATED QUANTITIES DO NOT INCLUDE EXCAVATION FOR UTILITY & STORM DRAIN TRENCHES.
- MAXIMUM DEPTH OF CUT = 25'
- MAXIMUM HEIGHT OF FILL = 18'
- FOR THE PURPOSE OF THESE EARTHWORK CALCULATIONS, OVEREXCAVATION FOR BUILDINGS IS ASSUMED TO BE 3.5' BELOW FINISH GRADE.

## ABBREVIATIONS

A.B.	AGGREGATE BASE
A.C.	ASPHALTIC CONCRETE
A.P.N.	ASSESSORS PARCEL NUMBER
B.F.E.	BOTTOM FLOOR ELEVATION
C.B.	CATCH BASIN
CL.R.	CLEARANCE
C/L	CENTER LINE
CONSTR.	CONSTRUCT
CONC.	CONCRETE
C.Y.	CUBIC YARD
D.I.	DROP INLET
DIA.	DIAMETER
EFE	ENTRY FLOOR ELEVATION
ELEV.	ELEVATION
FG	FINISH GRADE
FL	FLOWLINE
INV.	INVERT ELEVATION
L	LENGTH
L.F.	LINEAR FOOT
MAX.	MAXIMUM
MIN.	MINIMUM
P/L	PROPERTY LINE
PP	POWER POLE
PVC	POLYVINYL CHLORIDE
R	RADIUS
RET.	RETURN
SDMH	STORM DRAIN MANHOLE
STA.	STATION
STD.	STANDARD
TB	THRUST BLOCK
TC	TOP OF CURB ELEVATION
TP	TOP OF PAVEMENT ELEVATION
TSW	TOP OF SIDEWALK ELEVATION
TW	TOP OF WALL ELEVATION
W.L.	WATER LINE
W.V.	WATER VALVE

## NOTES

- GRADING SHALL CONFORM TO THE CITY OF RANCHO PALOS VERDES GRADING REQUIREMENTS, THE UNIFORM BUILDING CODE AND THE RECOMMENDATIONS OF THE SOILS REPORT No. 05-5470-2 BY ASSOCIATED SOILS ENGINEERING INC., DATED MAY 10, 2005.
- SEE ARCHITECTS PLANS FOR SITE LAYOUT.
- AREA OF SITE IS 24.57 ACRES.
- THE PROPOSED DETENTION BASINS WILL BE DESIGNED TO MAINTAIN PRE-DEVELOPMENT RUNOFF LEVELS.



DATE SIGNED \_\_\_\_\_

NO.	DATE	REVISION	APPD.

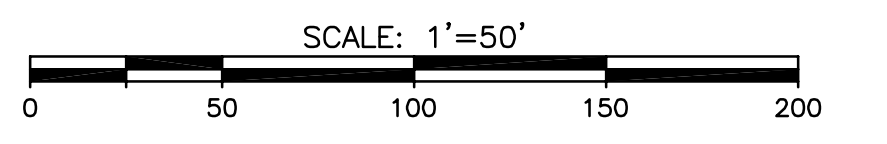
**MAC Design Associates**  
CIVIL ENGINEERING • LAND PLANNING • BRIDGE DESIGN  
1123 CLAY DRIVE, SUITE 6, SANTA BARBARA, CALIF. 93101 (805) 962-1148

DESIGN: MAC CHECKED: \_\_\_\_\_  
DRAWN: TLA  
PROJECT ENGINEER: MICHAEL A. CACCESI DATE: 05-15-09  
R.C.E. 26887 (EXP. 3-31-11)

CITY OF RANCHO PALOS VERDE, CALIFORNIA  
REVIEWED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

**PRELIMINARY GRADING  
AND DRAINAGE PLAN**  
C.U.P. REVISION, MAY 2009  
MARYMOUNT COLLEGE  
RANCHO PALOS VERDES, CALIFORNIA

SHEET  
**1 OF 1**  
No.



008902.DWG 05/15/09 11:56:21 AM PDT