

MATCH LINE SEE SHEET 2

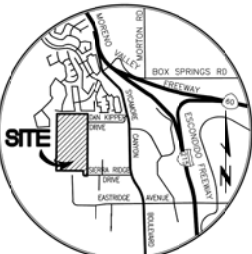
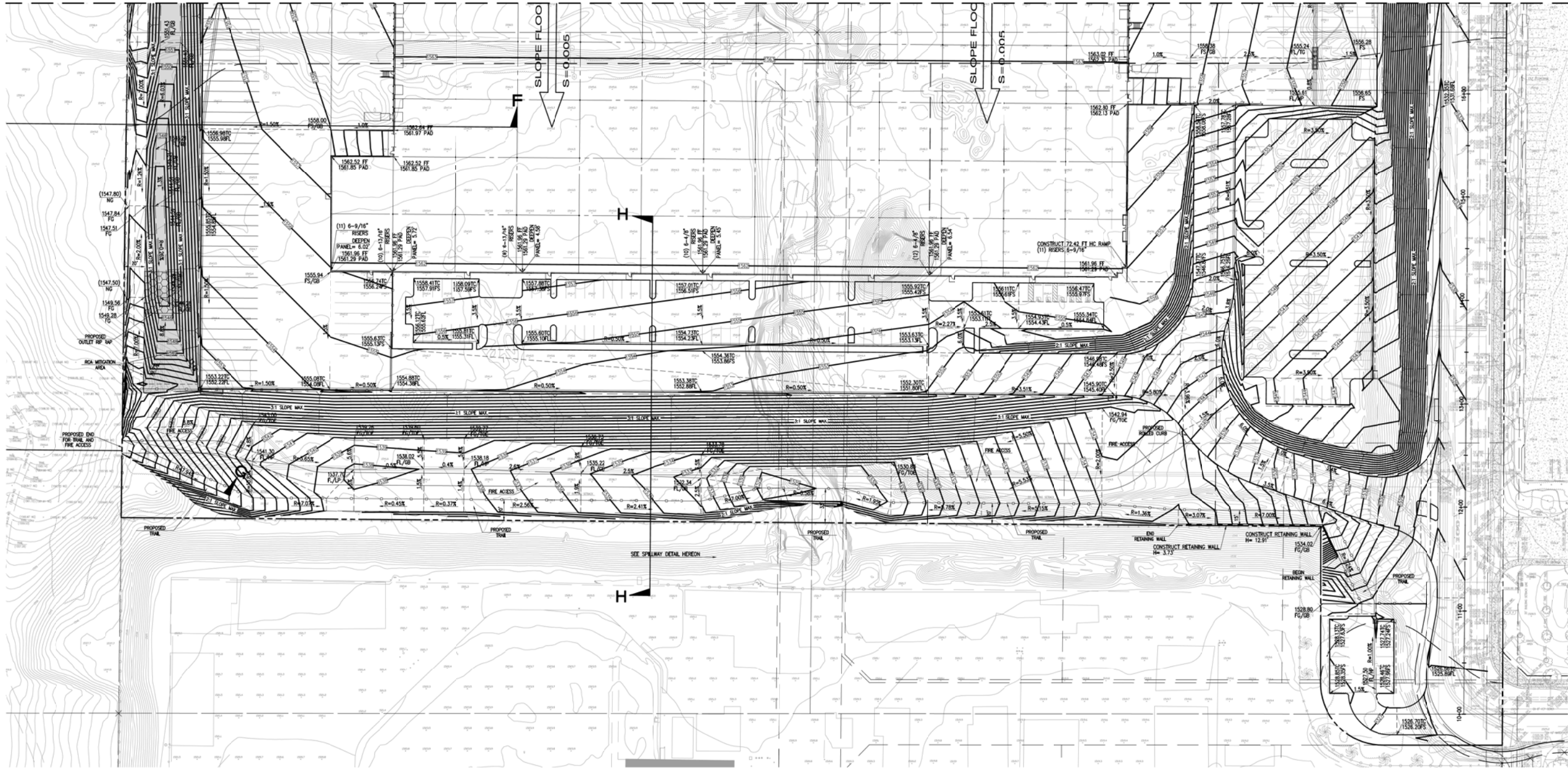
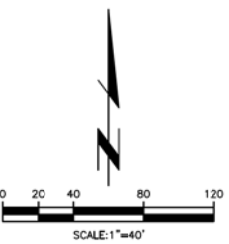


Exhibit 9 - Preliminary Grading Plan

EARTHWORK BALANCE CALCULATIONS			3/29/2014
PROJECT:	Sycamore Canyon Project-Bldg. 1		
JOB#	3261b		
K.	SITE AREA:	2,200,470	SF
L.	SUBSIDENCE FACTOR:	(0.063)	
M.	SHRINKAGE FACTOR:	-5.0	%
N.	OVEREXCAVATION:	145,674.07	CY
A.	CALCULATED CUT:	340,228	CY
B.	PAVING AND UTILITY SPOILS	-	CY
C.	TOTAL CUT: (A+B)	340,228	CY
D.	CALCULATED FILL:	369,617	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (LxK)/27=	(5.094)	CY
G.	SHRINKAGE: (M/100)C=	(17.011)	CY
H.	OVEREXCAVATION SHRINKAGE	(7.284)	CY
I.	TOTAL FILL: (D+E+F+G+H)=	340,228	CY
J.	TOTAL (IMPORT) OR EXPORT:	(0)	CY
SITE ADJUSTMENT			(0.00)

EARTHWORK BALANCE CALCULATIONS			3/29/2014
PROJECT:	Sycamore Canyon Project-Bldg. 2		
JOB#	3261b		
K.	SITE AREA:	854,509	SF
L.	SUBSIDENCE FACTOR:	(0.063)	
M.	SHRINKAGE FACTOR:	-5.0	%
N.	OVEREXCAVATION:	53,505.78	CY
A.	CALCULATED CUT:	158,667	CY
B.	PAVING AND UTILITY SPOILS	-	CY
C.	TOTAL CUT: (A+B)	158,667	CY
D.	CALCULATED FILL:	171,254	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (LxK)/27=	(1.678)	CY
G.	SHRINKAGE: (M/100)C=	(7.533)	CY
H.	OVEREXCAVATION SHRINKAGE	(2.679)	CY
I.	TOTAL FILL: (D+E+F+G+H)=	158,667	CY
J.	TOTAL (IMPORT) OR EXPORT:	(0)	CY
SITE ADJUSTMENT			(0.00)

NOTE: EARTHWORK FIGURES SHOWN ARE APPROXIMATE FIGURES, AND ARE TO BE USED BY BUILDING DEPARTMENT ONLY. CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES AND BID A COMPLETE JOB.



PREPARED FOR:
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901 Via Piemonte, Suite 175
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FAX: (909)382-0073

Thien Engineering, Inc.
CIVIL ENGINEERING - LAND SURVEYING
14549 FIRESTONE BOULEVARD
LA HABRA, CALIFORNIA 92658
PH: (714) 521-4811 FAX: (714) 521-4173

CITY OF RIVERSIDE			
PUBLIC WORKS DEPARTMENT			
CONCEPTUAL GRADING PLAN			
SYCAMORE V			
LANCE DRIVE			
BUILDING 1			
Designed by _____	Approved by _____	Date _____	
Checked by _____			
Date _____			
Designed by _____	Public Works Director _____	R.C.E. XXXXX	
Date _____			
Checked by _____			
Date _____			
Sheet 1 of 6		Sheets	

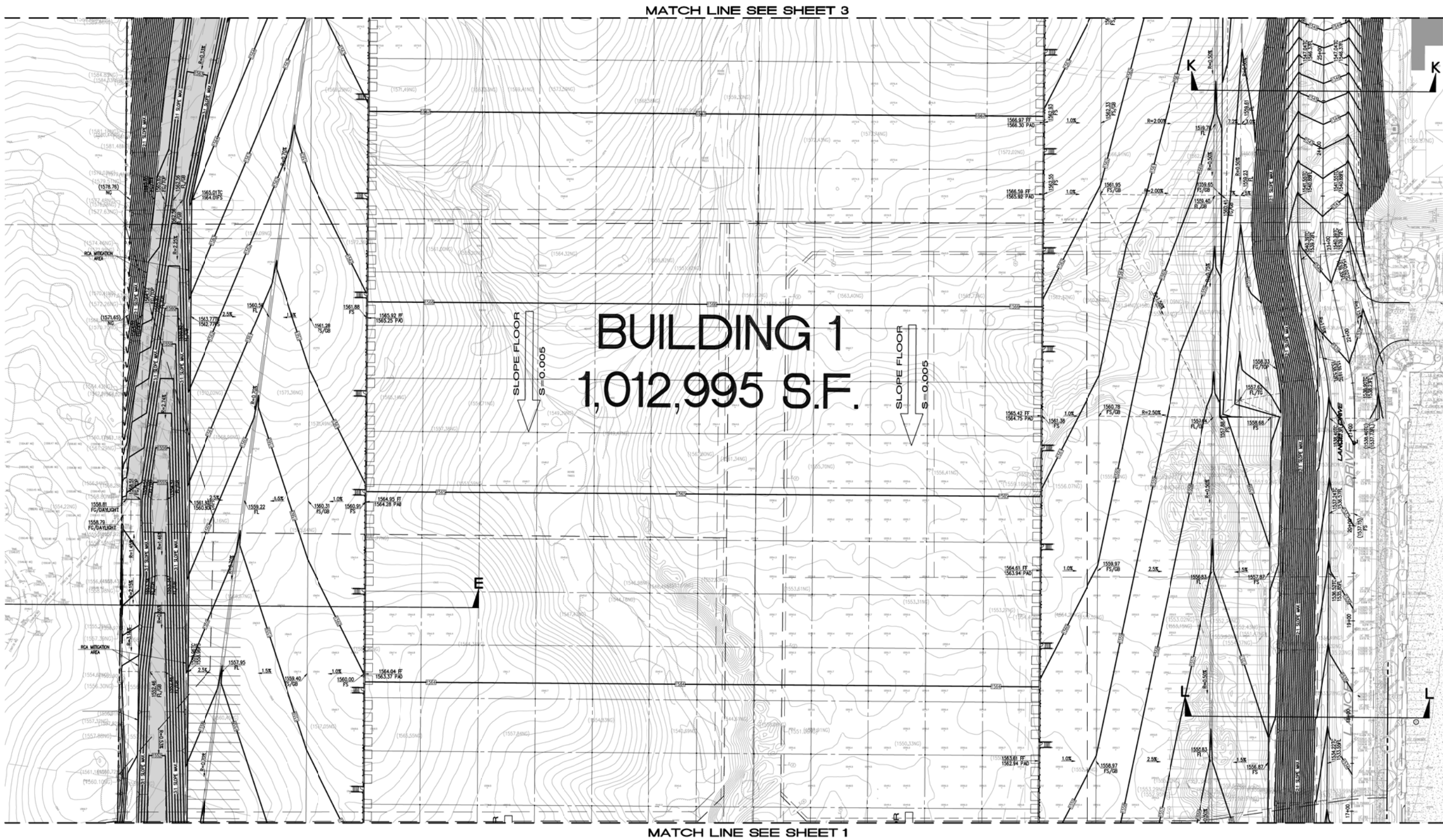


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PREPARED FOR: Hillwood Investments 901 Via Piemonte, Suite 175 Ontario, CA 91764 PHONE: (909)382-0033 FAX: (909)382-0073		Thienes Engineering, Inc. CIVIL ENGINEERING • LAND SURVEYING 14345 FIRESTONE BOULEVARD LA HABRA, CALIFORNIA 92656 PH: (714) 961-4811 FAX: (714) 961-4171	CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT	
CONCEPTUAL GRADING PLAN SYCAMORE V LANCE DRIVE BUILDING 1			Designed by _____ Date _____ Checked by _____ Designed by _____ Date _____ Checked by _____ Date _____ Public Works Director _____ R.C.E. XXXXX Sheet 2 of 6 Sheets	

3261/2 OF 6 SHEET

Last Update: 3/29/18
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Last Update: 3/29/16
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CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

SYCAMORE V
LANCE DRIVE
BUILDING 1

Designed by _____	Approved by _____ Date _____
Date _____	
Checked by _____	
Date _____	
Designed by _____	Public Works Director R.C.E. XXXXX
Date _____	
Checked by _____	
Date _____	
Sheet 3 of 6 Sheets	

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Exhibit 9 - Preliminary Grading Plan

