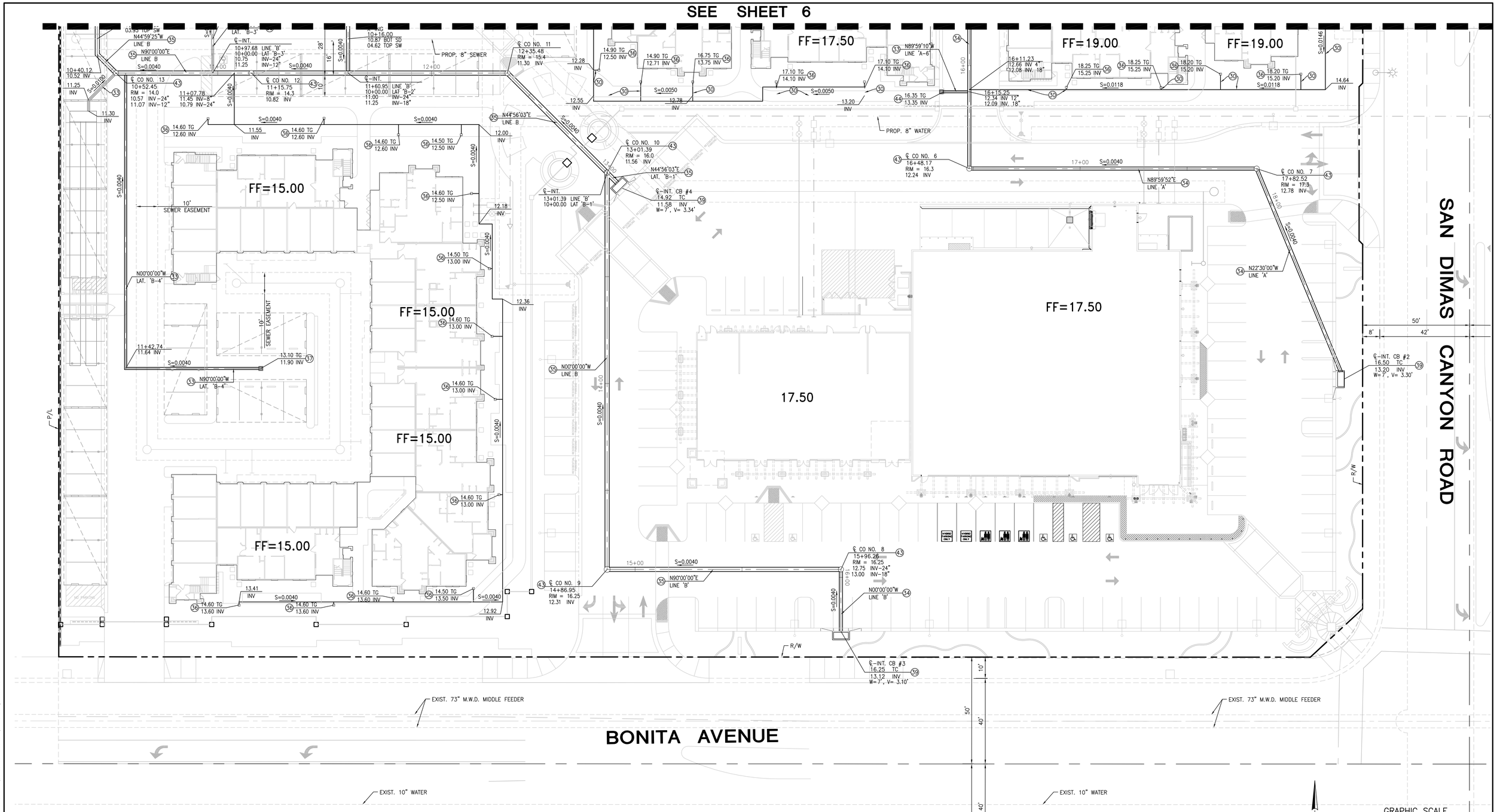


STORM DRAIN CONSTRUCTION NOTES

(30) CONSTRUCT 4" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(31) CONSTRUCT 6" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(32) CONSTRUCT 8" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(33) CONSTRUCT 12" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(34) CONSTRUCT 18" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(35) CONSTRUCT 24" CONTECH A-2000 PVC DRAIN LINE OR APPROVED EQUAL
(36) CONSTRUCT 12"X12" NDS 1212 CATCH BASIN OR APPROVE EQUAL PER DETAIL K/3
(37) CONSTRUCT 18" x18" BROOKS BOX OR APPROVED EQUAL
(38) CONSTRUCT 6" NDS 1290 ATRIUM GRATE INLET OR APPROVED EQUAL PER DETAIL L/3
(39) CONSTRUCT CURB OPENING CATCH BASIN PER DETAILS ON SHEET 3
(40) CONSTRUCT CONCRETE HEADWALL
(41) INSTALL NDS DURA SLOPE CHANNEL DRAIN PER DETAIL P/2
(42) INSTALL SUMP PUMP PER MECHANICAL PLANS
(43) CONSTRUCT STORM DRAIN CLEANOUT
(45) INSTALL 60" CMP CONTECH UNDERGROUND RETENTION SYSTEM
(46) SEE PLUMBING PLANS FOR CONTINUATION

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

SHEET 7 OF 10

DIG ALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
CALL BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCH MARK :
LOS ANGELES COUNTY PUBLIC WORKS BENCH MARK NO. G 4366 L & PK IN W CB 300MM N/O BCR @ SW COR DAMIEN AVENUE AND BONITA AVENUE 18M S & 5.5M W/O C/L INT.

ELEVATION: 1051.831 (2000 ADJUSTMENT) SAN DIMAS.

February 02, 2009
FUSCOE ENGINEERING
2850 Inland Empire Boulevard, Suite B, Ontario, California 91764
tel 909.581.0676 fax #09.581.0696 www.fuscoe.com
Name Date

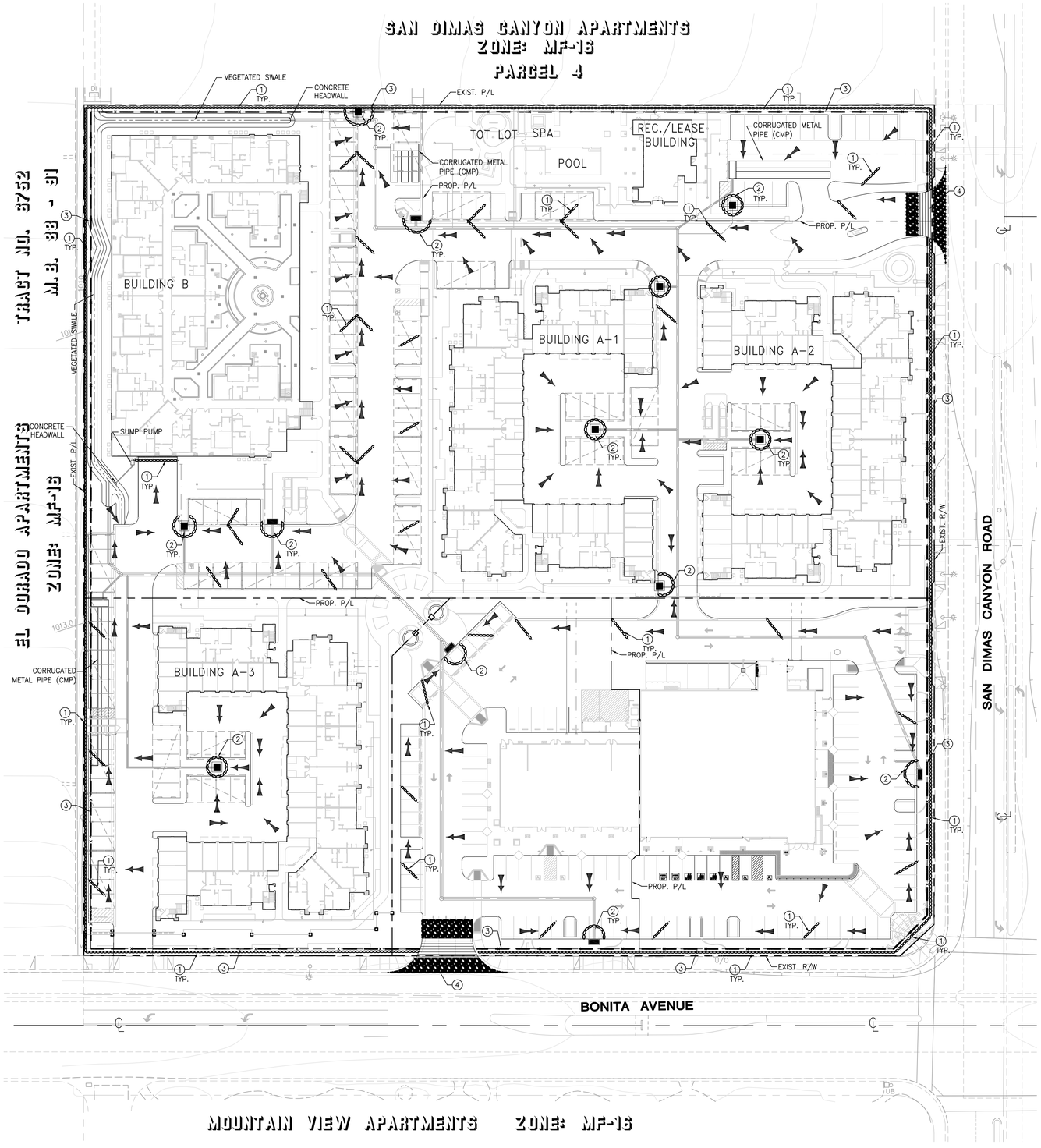
REGISTERED PROFESSIONAL ENGINEER STEVEN L. ELLIS NO. C 047255 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

APPROVED BY CITY OF SAN DIMAS:
CITY ENGINEER DATE
REVIEWED BY CITY OF SAN DIMAS:
DIRECTOR OF DEVELOPMENT SERVICES DATE

DATE	BY	REVISIONS	DATE	APP'D

CITY OF SAN DIMAS
BONITA CANYON GATEWAY
TRACT NO. 69609
PRECISE GRADING PLAN
PRIVATE STORM DRAIN IMPROVEMENT PLAN

R:\RANCHO CUCAMONGA\PROJECTS\30071\01\GRADING\PGP-ULTIMATE\30070TPGD750.DWG (06-09-09 12:33:38PM) Plotted by: Jose Sanchez



GENERAL NOTES FOR EROSION CONTROL PLANS

1. EROSION CONTROL SHALL BE REQUIRED FOR GRADING OPERATIONS DURING THE RAIN SEASON, OCTOBER 15TH THROUGH APRIL 15TH.
2. SLOPES CONSTRUCTED PRIOR TO OCTOBER 1ST SHALL BE TREATED FOR EROSION CONTROL PRIOR TO OCTOBER 15TH. SLOPES CONSTRUCTED AFTER OCTOBER 1ST SHALL BE TREATED FOR EROSION CONTROL AS CONSTRUCTION PROGRESSES.
3. THE DESIGN CIVIL ENGINEER SHALL SUPERVISE AND ASSURE EROSION CONTROL WORK IS IN ACCORDANCE WITH APPROVED PLANS.
4. IN CASE OF EMERGENCY, CALL: RANDY AVERY WESTERN NATIONAL CONTRACTORS (909)-862-6200
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL PREVENT THE TRESPASS OF IMPOUND WATER ON PUBLIC AREAS OR THE CREATION OF HAZARDOUS CONDITIONS.
6. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO THAT RUNOFF IS CONTAINED WITHIN THE PROJECT AREA OR CHANNELED INTO THE STORM DRAIN SYSTEM WHICH SERVES THE RUNOFF AREA. STORM RUNOFF FROM ONE AREA SHALL NOT BE DIVERTED TO ANOTHER RUNOFF AREA.
7. NO CHANGES TO EXISTING OR NATURAL DRAINAGE COURSES SHALL BE PERMITTED DURING THE RAIN SEASON UNLESS THE APPROVED DRAINAGE FACILITIES HAVE BEEN COMPLETED.
8. CLEARING AND GRUBBING SHALL BE LIMITED TO AREAS THAT WILL RECEIVE IMMEDIATE GRADING. EROSION CONTROL MEASURES SHALL BE REQUIRED AND MAY INCLUDE; GRADED DITCHES, BRUSH BARRIERS AND SILT FENCING. CARE SHALL BE EXERCISED TO PRESERVE VEGETATION BEYOND THE LIMITS OF GRADING.
9. DESILTING BASINS SHALL BE CONSTRUCTED AS INDIVIDUAL ROUGH GRADING AREAS ARE COMPLETED.
10. GRADED AREAS AROUND THE TRACT PERIMETER SHALL DRAIN AWAY FROM THE TOE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY.
11. TEMPORARY EROSION PROTECTION SHALL BE REQUIRED FOR MANUFACTURED SLOPES PRIOR TO PERMANENT PLANTING.
12. FILL AREAS, DURING PERIODS OF COMPLETION PRIOR TO FINAL GRADE, SHALL BE PROTECTED TO LIMIT EROSION AND THE SILTATION OF DOWNSTREAM PROPERTY. PROTECTION MEASURES MAY INCLUDE TEMPORARY DOWNDRAINS USING PIPES OR PAVED DITCHES WITH PROTECTED OUTFALL AREAS, DESILTING PONDS, CHECK DAMS, SAND BAG PROTECTED AROUND INLETS NOT YET BROUGHT TO GRADE AND APPROPRIATE CHANNEL GRADING TO DIRECT RUNOFF AWAY FROM AREAS WHERE EARTHWORK IS NOT UNDERWAY.
13. PROJECT AREAS AS WELL AS NEIGHBORING PROPERTY AREAS SHALL RETAIN FIRE ACCESS AT ALL TIMES.
14. EQUIPMENT AND PERSONNEL FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAIN SEASON. NECESSARY MATERIALS SHALL BE STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEVELOPMENT.
15. REMOVABLE PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40 PERCENT.
16. DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT APPROVAL FROM THE CITY ENGINEER OF PUBLIC WORKS INSPECTOR
17. AFTER A RAIN STORM, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS, SILT FENCES AND OTHER IMPACTED AREAS.
18. AN UPDATED COPY OF THIS PLAN SHALL BE KEPT AVAILABLE TO THE CITY AT THE PROJECT SITE.
19. INFORMATION ON THIS PLAN IS FOR EROSION CONTROL ONLY. THE CITY ENGINEER MAY MODIFY THIS PLAN AS NECESSARY.
20. APPROVAL OF THIS PLAN SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES TO HIS SITE OR ADJACENT PROPERTIES. TEMPORARY EROSION CONTROL SHALL INCLUDE CONSTRUCTION MEASURES NECESSARY TO PREVENT, CONTROL AND ABATE WATER, MUD AND EROSION DAMAGE TO PUBLIC OR PRIVATE PROPERTY IMPACTED BY HIS CONSTRUCTION ACTIVITIES.
21. APPROVAL OF THIS PLAN SHALL NOT RELIEVE THE DEVELOPER OF THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS AND OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE REQUIRED REVISIONS SHALL BE SUBMITTED FOR APPROVAL.
22. A 6 FOOT HIGH SCREENING FABRIC SHALL BE INSTALLED ALONG THE PROJECT BOUNDARIES EXPOSED TO PUBLIC VIEW, PRIOR TO START OF CONSTRUCTION.
23. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA 1993, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY COUNTY).

NOTES:

1. GRAVEL BAGS ARE ENCOURAGED OVER THE USE OF SAND BAGS AND MAY BE REQUIRED IN PROBLEM AREAS.
2. STREETS SANDBAGGED PER THE LAYOUT IN DRAWINGS 380A OR TC-1 SHALL NOT BE OPEN TO THE PUBLIC.
3. REFER TO GENERAL NOTES ON THIS SHEET FOR EROSION CONTROL.
4. AREA DRAIN GRATE INLET SHALL BE PROTECTED WITH SANDBAGS AROUND IT AND FILTER FABRIC PER DETAIL HEREON.

CONSTRUCTION NOTES:

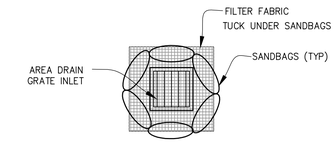
1. PLACE 1 BAG HIGH, SAND BAGS FOR EROSION CONTROL (SC-8)
2. INSTALL STORM DRAIN INLET PROTECTION (SC-10) PER DETAIL 'A' HEREON
3. INSTALL SILT FENCE (SC-1) PER DETAIL 'C' HEREON
4. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE/EXIT (TC-1) AND DTEAIL 'B' HEREON

LEGEND:

FLOW ARROW

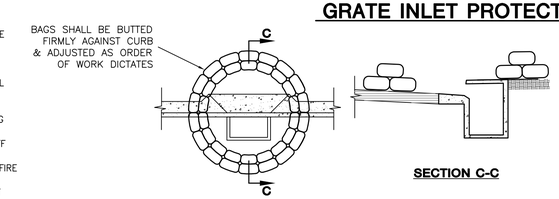
SANDBAGS

SILT FENCE

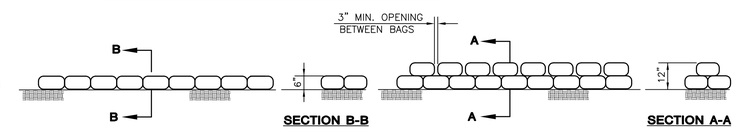


GRATE INLET PROTECTION DETAIL (A)

NTS



SANDBAG AROUND CATCH BASIN

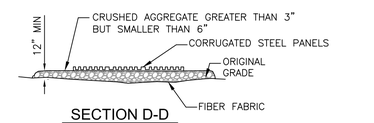


1 BAG HIGH

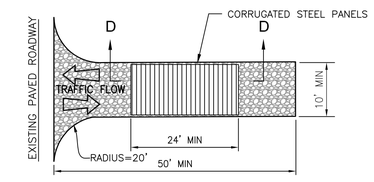
2 BAG HIGH

EROSION CONTROL

N.T.S.



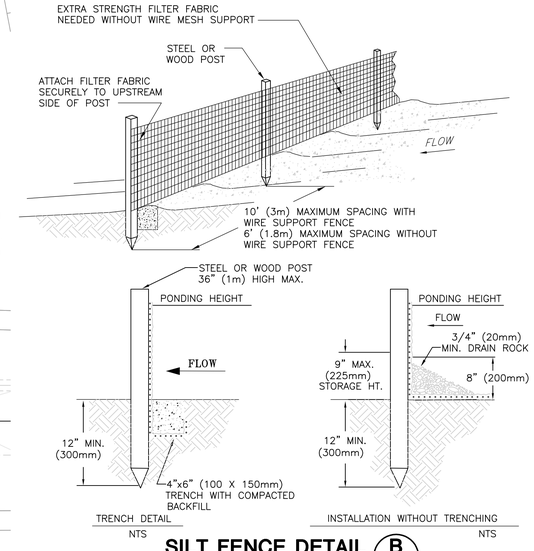
SECTION D-D



STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL

RAMP DETAIL (B)

NTS



SILT FENCE DETAIL (B)

NTS

NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

SHEET 8 OF 10

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BENCH MARK :
LOS ANGELES COUNTY PUBLIC WORKS BENCH MARK NO. G 4366 L & PK IN W CB 300MM N/O BCR @ SW COR DAMIEN AVENUE AND BONITA AVENUE 18M S & 5.5M W/O C/L INT.

ELEVATION: 1051.831 (2000 ADJUSTMENT) SAN DIMAS.

February 02, 2009
FUSCOE ENGINEERING
2850 Inland Empire Boulevard, Suite B, Ontario, California 91764
tel 909.581.0676 fax #09.581.0696 www.fuscoe.com
Name Date

REGISTERED PROFESSIONAL ENGINEER STEVEN L. ELLIS NO. C 047255 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

APPROVED BY CITY OF SAN DIMAS:
CITY ENGINEER DATE
REVIEWED BY CITY OF SAN DIMAS:
DIRECTOR OF DEVELOPMENT SERVICES DATE

DATE	BY	REVISIONS	DATE	APP'D

CITY OF SAN DIMAS
BONITA CANYON GATEWAY
TRACT NO. 69609
PRECISE GRADING PLAN
EROSION CONTROL PLAN

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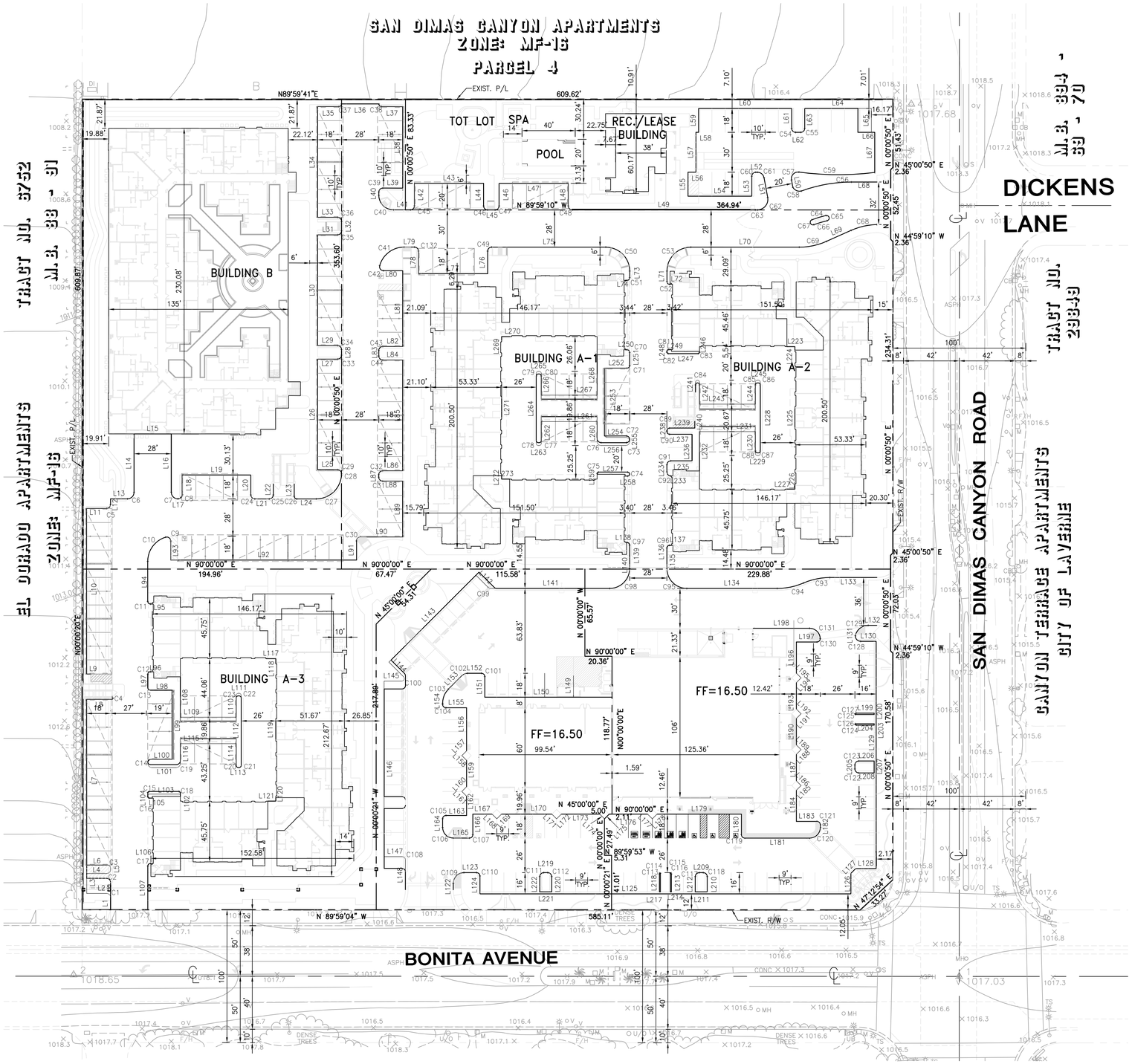


LINE TABLE		
LINE	LENGTH	BEARING
L1	9.28'	N00°00'50"E
L2	14.93'	N89°59'10"W
L3	15.00'	N00°01'35"W
L4	15.00'	N89°59'10"W
L5	0.81'	N00°02'44"E
L6	15.51'	N89°59'10"W
L7	124.69'	N00°01'35"W
L8	18.91'	S90°00'00"W
L9	3.05'	N89°58'05"E
L10	124.69'	N00°01'35"W
L11	15.10'	N89°59'10"E
L12	4.16'	N00°00'41"W
L13	12.67'	N89°59'39"W
L14	43.88'	N00°00'50"E
L15	28.00'	N89°59'10"W
L16	43.88'	N00°00'50"E
L17	0.46'	N89°59'10"W
L18	15.00'	N00°00'50"E
L19	51.36'	N89°59'10"W
L20	15.00'	N00°00'50"E
L21	10.88'	N89°59'10"W
L22	8.20'	N00°00'50"E
L23	9.20'	N00°00'50"E
L24	14.56'	N89°59'10"W
L25	15.00'	N89°59'10"W
L26	83.18'	N00°00'50"E
L27	15.00'	N89°59'10"W
L28	4.17'	N00°00'48"E
L29	15.00'	N89°59'10"W
L30	83.35'	N00°00'50"E
L31	15.00'	N89°59'10"W
L32	7.12'	N00°00'59"E
L33	15.00'	N89°59'10"W
L34	83.35'	N00°00'50"E
L35	16.00'	N89°59'10"W
L36	28.00'	N89°59'10"W
L37	16.00'	N89°59'10"W
L38	61.32'	N00°00'50"E
L39	15.00'	N89°59'10"W
L40	2.39'	N00°00'50"E
L41	12.79'	N89°59'10"W
L42	17.00'	N00°00'50"E
L43	52.01'	N89°59'10"W
L44	17.00'	N00°00'50"E
L45	5.65'	N89°59'10"W
L46	17.00'	N00°00'50"E
L47	52.01'	N89°59'10"W
L48	17.00'	N00°00'50"E
L49	137.65'	N89°59'10"W
L50	5.68'	N10°38'35"W
L51	15.05'	N10°38'35"W
L52	1.28'	N89°58'51"W
L53	15.00'	N00°00'00"E
L54	48.00'	N90°00'00"E
L55	18.04'	N00°00'04"E
L56	6.00'	N90°00'00"W
L57	29.98'	N00°00'00"E
L58	2.00'	S90°00'00"W
L59	18.02'	N00°00'00"E
L60	70.00'	N90°00'00"W
L61	15.04'	N00°00'00"E
L62	3.81'	N90°00'00"W
L63	15.01'	N00°00'00"E
L64	50.17'	N90°00'00"W
L65	18.01'	N00°00'21"E
L66	2.50'	N90°00'00"W
L67	30.20'	N00°00'00"E
L68	19.18'	N89°59'10"W
L69	20.40'	N65°56'06"E
L70	81.50'	N89°59'10"W
L71	7.94'	N00°00'50"E
L72	1.41'	N89°59'10"W
L73	5.01'	N00°00'50"E
L74	1.44'	N89°59'10"W
L75	85.87'	N89°59'10"W
L76	17.00'	N00°00'50"E
L77	52.01'	N89°59'19"W
L78	17.00'	N00°00'50"E
L79	7.83'	N89°59'10"W
L80	14.45'	N89°59'36"W
L81	57.01'	N00°00'50"E
L82	15.00'	N90°00'00"W
L83	4.17'	N00°00'50"E
L84	15.00'	N89°59'21"W
L85	83.36'	N00°00'50"E
L86	15.00'	N89°59'10"W
L87	1.80'	N00°00'50"E
L88	15.00'	N89°59'10"W
L89	42.01'	N00°00'50"E
L90	31.69'	N89°59'10"W
L91	14.38'	N00°00'25"E
L92	139.69'	N89°59'17"W
L93	14.34'	N00°00'00"W
L94	30.10'	N00°00'04"W
L95	1.43'	N89°59'34"W
L96	1.43'	N89°59'34"E
L97	9.89'	N00°00'50"W
L98	15.99'	N89°59'45"W
L99	52.01'	N00°00'27"W
L100	14.90'	N90°00'00"E

LINE TABLE		
LINE	LENGTH	BEARING
L101	18.41'	N90°00'00"E
L102	0.67'	N00°00'00"E
L103	22.49'	N90°00'00"W
L104	1.00'	N00°00'50"W
L105	2.41'	N90°00'00"W
L106	1.43'	N89°59'34"E
L107	32.82'	N00°00'50"E
L108	30.39'	N00°00'00"E
L109	42.01'	N90°00'00"W
L110	16.49'	N00°00'00"E
L111	0.74'	N90°00'00"W
L112	52.85'	N00°00'00"E
L113	0.74'	N90°00'00"W
L114	16.50'	N00°00'00"W
L115	42.01'	N90°00'00"W
L116	15.00'	N00°00'18"E
L117	7.21'	N90°00'00"W
L118	3.71'	N00°00'00"W
L119	13.42'	N00°00'00"E
L120	2.58'	N00°00'00"E
L121	6.00'	N90°00'00"W
L122	5.00'	N00°00'09"E
L123	9.51'	N90°00'00"W
L124	13.50'	N00°00'00"W
L125	278.98'	N90°00'00"W
L126	15.45'	N00°02'57"W
L127	5.03'	N45°00'21"E
L128	15.46'	S89°59'47"W
L129	171.00'	N00°00'00"E
L130	11.66'	N89°59'44"W
L131	0.25'	N00°20'13"E
L132	6.58'	N89°55'36"E
L133	35.29'	S90°00'00"W
L134	67.96'	N90°00'00"W
L135	9.90'	N00°00'00"E
L136	5.52'	N00°00'50"E
L137	1.46'	N90°00'00"E
L138	0.31'	S90°00'00"W
L139	7.70'	N00°00'50"E
L140	9.93'	N00°00'00"E
L141	89.38'	N90°00'00"W
L142	12.86'	N45°00'00"W
L143	92.54'	N45°00'00"E
L144	15.44'	N45°00'00"W
L145	13.10'	N90°00'00"W
L146	132.00'	N00°00'00"E
L147	13.50'	N90°00'00"W
L148	22.49'	N00°00'00"E
L149	14.93'	N00°00'00"W
L150	66.65'	N90°00'00"W
L151	15.50'	N00°00'00"E
L152	10.42'	N90°00'00"E
L153	14.34'	N45°00'00"E
L154	0.95'	N00°00'00"E
L155	15.50'	N90°00'00"W
L156	32.47'	N00°00'00"W
L157	5.00'	N45°00'00"E
L158	5.00'	N45°00'00"W
L159	19.94'	N00°00'00"E
L160	5.00'	N45°00'00"E
L161	4.99'	N45°00'00"W
L162	14.48'	N00°00'00"E
L163	15.50'	N90°00'00"W
L164	6.51'	N00°00'00"E
L165	12.19'	N90°00'00"E
L166	15.50'	N00°00'00"E
L167	14.46'	N90°00'00"W
L168	5.00'	N45°00'00"W
L169	5.00'	N45°00'00"E
L170	37.93'	N90°00'00"W
L171	5.00'	N45°00'00"W
L172	5.00'	N45°00'00"E
L173	28.93'	N90°00'00"W
L174	5.00'	N45°00'00"W
L175	5.00'	N45°00'00"E
L176	28.93'	S90°00'00"W
L177	5.00'	N45°00'00"W
L178	5.00'	N45°00'00"E
L179	63.46'	S90°00'00"W
L180	15.50'	N00°00'00"E
L181	48.81'	N90°00'00"W
L182	2.00'	N00°00'00"E
L183	15.50'	N90°00'00"W
L184	23.46'	N00°00'01"E
L185	5.00'	N45°00'00"E
L186	5.00'	N45°00'00"W
L187	19.93'	N00°00'00"E
L188	5.00'	N45°00'00"E
L189	5.00'	N45°00'00"W
L190	19.93'	N00°00'00"E
L191	5.00'	N45°00'00"E
L192	5.00'	N45°00'00"W
L193	19.93'	N00°00'00"E
L194	5.00'	N45°00'00"E
L195	5.00'	N45°00'00"W
L196	23.46'	N00°00'00"E
L197	15.48'	N90°00'00"E
L198	42.40'	N90°00'00"W
L199	13.50'	N90°00'00"W
L200	1.00'	N00°00'00"W

LINE TABLE		
LINE	LENGTH	BEARING
L201	NOT USED	
L202	NOT USED	
L203	1.00'	N00°00'00"E
L204	13.50'	N90°00'00"W
L205	3.00'	N00°00'00"E
L206	11.50'	N90°00'00"W
L207	9.00'	N00°00'00"E
L208	11.50'	N90°00'00"W
L209	3.00'	N90°00'00"W
L210	11.47'	N00°00'00"E
L211	9.00'	N90°00'00"W
L212	11.47'	N00°00'00"E
L213	13.50'	N00°00'00"E
L214	0.75'	N90°00'00"W
L215	NOT USED	
L216	NOT USED	
L217	0.75'	N90°00'00"W
L218	13.50'	N00°00'00"E
L219	3.00'	N90°00'00"W
L220	11.47'	N00°00'00"E
L221	9.00'	N89°58'34"W
L222	11.47'	N00°00'00"E
L223	6.00'	N89°57'59"W
L224	2.58'	N00°02'01"E
L225	13.42'	N00°00'00"W
L226	2.58'	N00°00'00"E
L227	6.00'	N90°00'00"W
L228	53.67'	N00°00'00"W
L229	0.74'	N89°59'08"W
L230	16.50'	N00°01'23"E
L231	42.01'	N89°59'08"W
L232	29.58'	N00°00'53"E
L233	0.45'	N89°59'34"W
L234	5.41'	N00°00'50"E
L235	15.95'	N90°00'00"W
L236	20.00'	N00°00'00"E
L237	16.94'	N90°00'00"W
L238	0.66'	N00°00'50"E
L239	18.95'	N90°00'00"W
L240	5.00'	N00°00'00"E
L241	3.68'	N00°01'12"E
L242	16.49'	N00°01'12"E
L243	42.01'	N89°58'48"W
L244	16.49'	N00°01'10"E
L245	0.74'	N89°58'22"W
L246	0.67'	N00°00'00"W
L247	22.51'	N90°00'00"E
L248	1.00'	N00°00'50"E
L249	2.43'	N89°59'34"W
L250	1.43'	N89°59'34"W
L251	9.89'	N00°00'50"E
L252	15.99'	N89°59'45"E
L253	52.01'	N00°00'15"W
L254	14.97'	N89°59'36"E
L255	0.18'	N00°00'50"E
L256	18.49'	N90°00'00"W
L257	21.99'	N90°00'00"W
L258	1.91'	N90°00'00"W
L259	0.67'	N00°00'00"E
L260	15.00'	N00°00'18"W
L261	42.01'	N90°00'00"W
L262	16.50'	N00°00'00"E
L263	0.74'	N90°00'00"W
L264	52.87'	N00°00'00"W
L265	0.74'	S90°00'00"W
L266	16.50'	N00°00'00"W
L267	42.01'	S89°59'41"W
L268	30.39'	N00°00'00"E
L269	2.58'	N00°00'00"E
L270	6.00'	N90°00'00"W
L271	13.42'	N00°00'00"W
L272	2.58'	N00°00'00"E
L273	6.00'	N90°00'00"W

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	4.71'	3.00'
C2	4.71'	3.00'
C3	3.93'	2.50'
C4	2.73'	0.94'
C5	4.71'	3.00'
C6	7.85'	5.00'
C7	7.85'	5.00'
C8	4.71'	3.00'
C9	5.60'	3.00'
C10	24.23'	19.00'
C11	3.15'	2.03'
C12	3.14'	2.00'
C13	3.14'	2.00'
C14	9.71'	3.09'
C15	1.57'	1.00'
C16	1.57'	1.00'
C17	3.14'	2.00'
C18	1.57'	1.00'
C19	4.71'	3.00'
C20	2.36'	1.50'
C21	2.36'	1.50'
C22	2.36'	1.50'
C23	2.36'	1.50'
C24	4.71'	3.00'
C25	4.71'	3.00'
C26	3.14'	2.00'
C27	28.85'	19.00'
C28	1.02'	19.02'
C29	4.71'	3.00'
C30	4.71'	3.00'
C31	4.71'	3.00'
C32	4.71'	3.00'
C33	4.71'	3.00'
C34	4.71'	3.00'
C35	4.71'	3.00'
C36	4.71'	3.00'
C37	3.14'	2.00'
C38	3.14'	2.00'
C39	4.71'	3.00'
C40	17.28'	11.00'
C41	24.76'	19.05'
C42	5.52'	3.00'
C43	4.71'	3.00'
C44	4.71'	3.00'
C45	4.71'	3.00'
C46	4.71'	3.00'
C47	4.71'	3.00'
C48	4.71'	3.00'
C49	4.71'	3.00'
C50	28.27'	18.00'
C51	3.14'	2.00'
C52	3.14'	2.00'
C53	28.27'	18.00'
C54	4.71'	3.00'
C55	4.71'	3.00'
C56	57.20'	223.83'
C57	9.45'	5.00'
C58	7.40'	5.82'
C59	38.54'	108.08'
C60	4.71'	3.00'
C61	6.92'	5.00'
C62	13.77'	8.00'
C63	1.77'	49.08'
C64	10.99'	85.08'
C65	6.28'	2.00'
C66	10.47'	81.08'
C67	6.28'	2.00'
C68	19.94'	50.00'
C69	21.01'	50.00'
C70	3.14'	2.00'
C71	3.14'	2.00'
C72	4.71'	3.00'
C73	4.71'	3.00'
C74	4.71'	1.50'
C75	1.57'	1.00'
C76	4.71'	3.00'
C77	2.36'	1.50'
C78	2.36'	1.50'
C79	2.36'	1.50'
C80	2.36'	1.50'
C81	1.57'	1.00'
C82	1.57'	1.00'
C83	1.57'	1.00'
C84	4.71'	1.50'
C85	2.36'	1.50'
C86	2.36'	1.50'
C87	2.36'	1.50'
C88	2.36'	1.50'
C89	3.14'	2.00'
C90	3.14'	2.00'
C91	4.71'	3.00'
C92	4.71'	3.00'
C93	20.39'	50.00'
C94	20.39'	50.00'
C95	23.56'	15.00'
C96	3.14'	2.00'
C97	3.14'	2.00'
C98	23.56'	15.00'
C99	2.36'	3.00'
C100	4.71'	2.00'

CURVE TABLE		
CURVE	LENGTH	RADIUS
C101	3.93'	2.50'
C102	4.71'	6.00'
C103	11.78'	15.00'
C104	3.93'	2.50'
C105	3.93'	2.50'
C106	12.57'	8.00'
C107	3.93'	2.50'
C108	3.93'	2.50'
C109	12.57'	8.00'
C110	3.93'	2.50'
C111	4.71'	3.00'
C112	4.71'	3.00'
C113	0.84'	1.00'
C114	0.58'	0.25'
C115	0.58'	0.25'
C116	0.84'	1.00'
C117	4.71'	3.00'
C118	4.71'	3.00'
C119	3.93'	2.50'
C120	12.57'	8.00'
C121	3.93'	2.50'
C122	4.71'	3.00'
C123	4.71'	3.00'
C124	1.23'	1.00'
C125	0.48'	0.25'
C126	0.48'	0.25'
C127	1.23'	1.00'
C128	6.28'	3.99'
C129	13.40'	9.78'
C130	4.02'	2.50'
C131	12.28'	8.00'
C132	4.71'	3.00'

SHEET 9 OF 10

DIG ALERT

DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCH MARK :

LOS ANGELES COUNTY PUBLIC WORKS BENCH MARK NO. G 4366 L & PK IN W CB 300MM N/O BCR @ SW COR DAMIEN AVENUE AND BONITA AVENUE 18M S & 5.5M W/O C/L INT.

ELEVATION: 1051.831 (2000 ADJUSTMENT) SAN DIMAS.

February 02, 2009

FUSCOE ENGINEERING
2850 Inland Empire Boulevard, Suite B, Ontario, California 91764
tel 909.581.0676 fax #909.581.0696 www.fuscoe.com

Name Date

REGISTERED PROFESSIONAL ENGINEER STEVEN L. ELLIS NO. C 047255 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

APPROVED BY CITY OF SAN DIMAS:

CITY ENGINEER DATE

REVIEWED BY CITY OF SAN DIMAS:

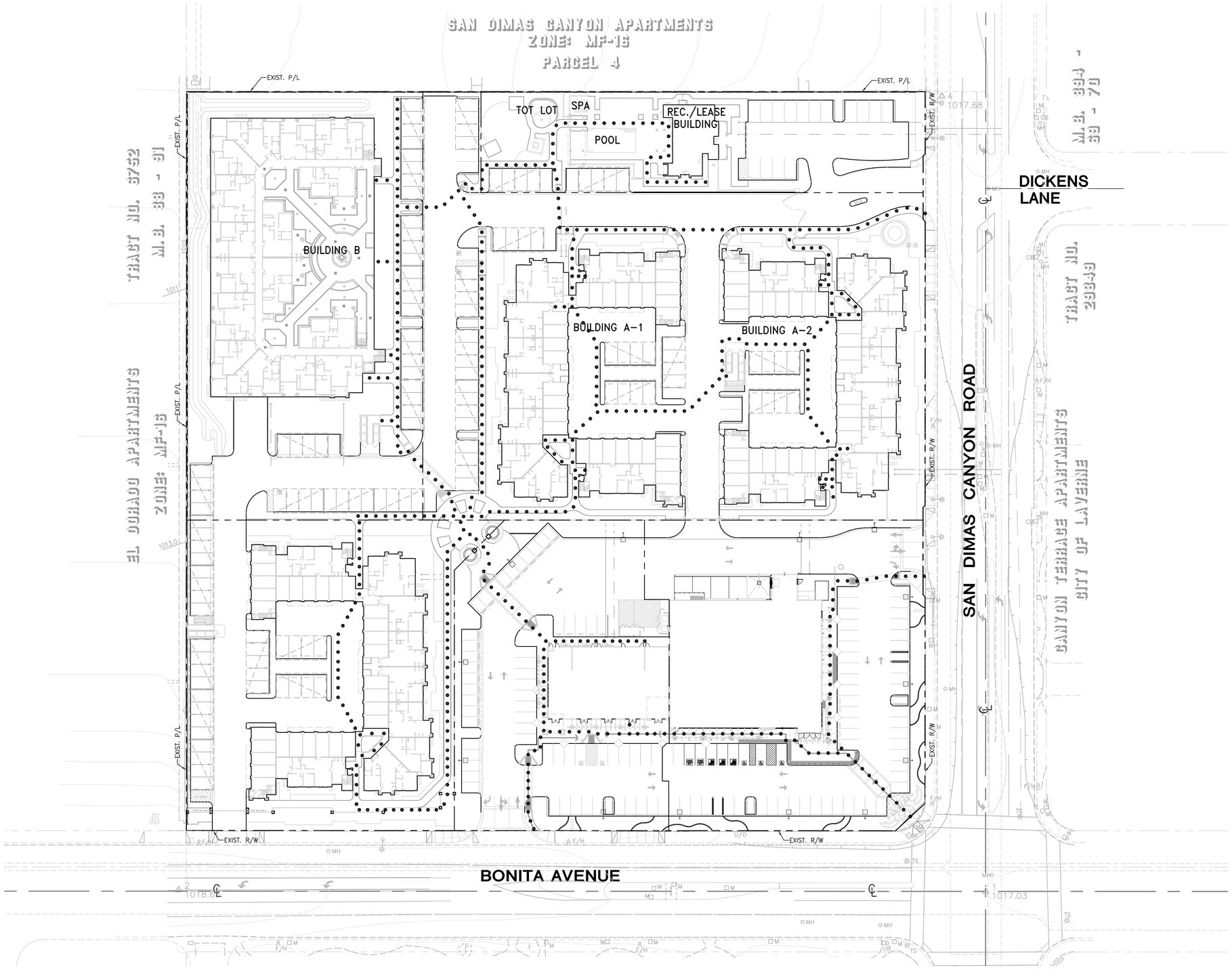
DIRECTOR OF DEVELOPMENT SERVICES DATE

DATE	BY	REVISIONS	DATE	APP'D

CITY OF SAN DIMAS

BONITA CANYON GATEWAY
TRACT NO. 69609
PRECISE GRADING PLAN
HORIZONTAL CONTROL PLAN

R:\RANCHO CUCAMONGA\PROJECTS\30071\01\GRADING\PGP-ULTIMATE\30070TPGPHC.DWG (06-09-09 12:35:04PM) Plotted by: Jose Sanchez



LEGEND

- ADA PATH OF TRAVEL

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

SHEET **10** OF 10

DIG ALERT

DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

BENCH MARK :

LOS ANGELES COUNTY PUBLIC WORKS BENCH MARK NO. G 4366 L & PK IN W CB 300MM N/O BCR @ SW COR DAMIEN AVENUE AND BONITA AVENUE 18M S & 5.5M W/O C/L INT.

ELEVATION: 1051.831 (2000 ADJUSTMENT) SAN DIMAS.

February 02, 2009

FUSCOE ENGINEERING
2850 Inland Empire Boulevard, Suite B, Ontario, California 91764
tel 909.581.0676 fax 909.581.0696 www.fuscoe.com

Name Date

REGISTERED PROFESSIONAL ENGINEER STEVEN L. ALLEN NO. C 047255 Exp. 12/31/09 CIVIL STATE OF CALIFORNIA

APPROVED BY CITY OF SAN DIMAS:

CITY ENGINEER DATE

REVIEWED BY CITY OF SAN DIMAS:

DIRECTOR OF DEVELOPMENT SERVICES DATE

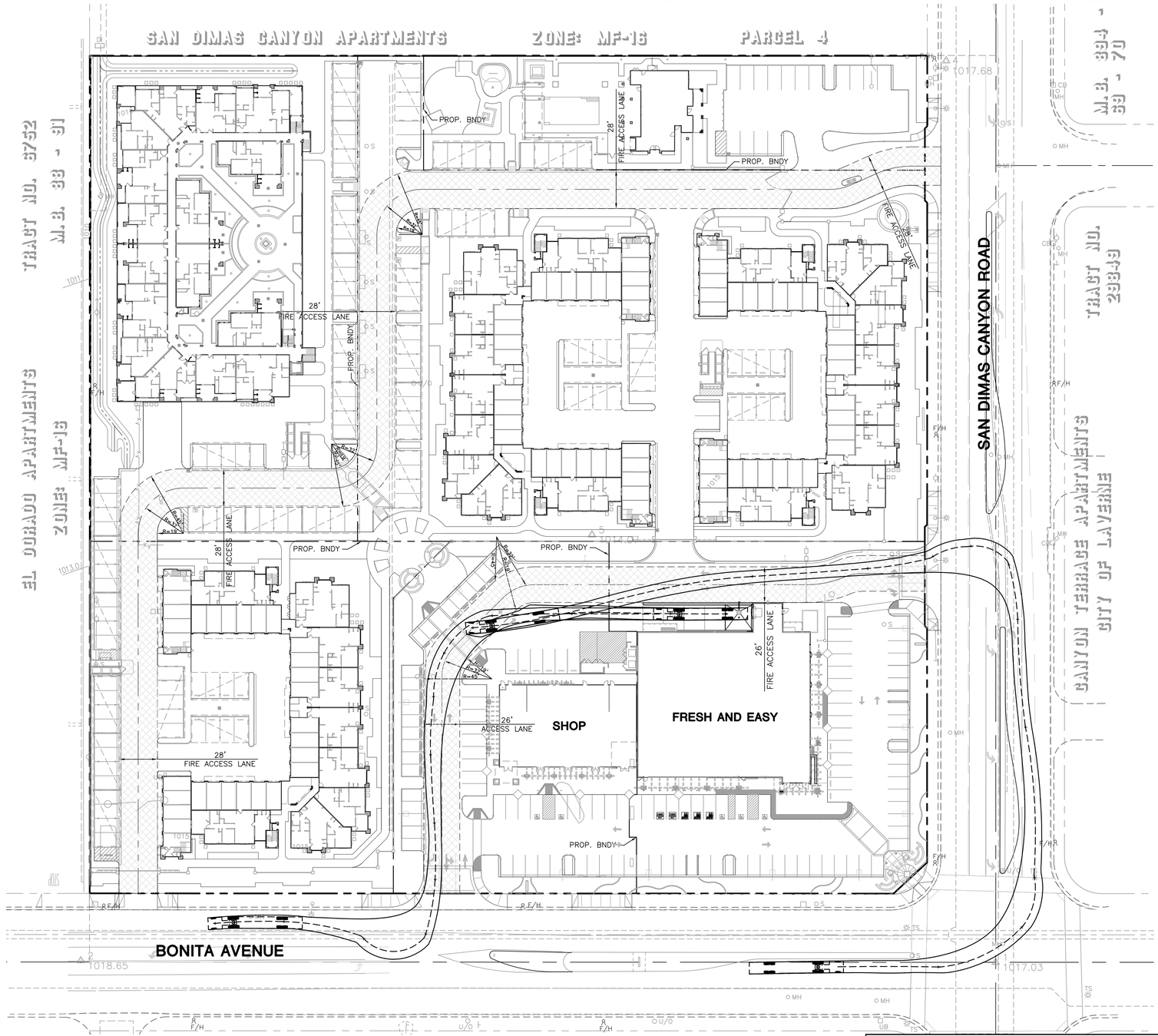
DATE	BY	REVISIONS	DATE	APP'D

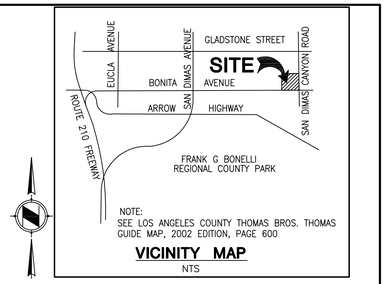
CITY OF SAN DIMAS

BONITA CANYON GATEWAY
TRACT NO. 69609
PRECISE GRADING PLAN
ACCESSIBILITY ROUTE PLAN

R:\RANCHO CUCAMONGA\PROJECTS\30071\01\GRADING\PGP-ULTIMATE\30701PG10AC.DWG (06-09-09 12:35:46PM) Plotted by: Jose Sanchez

TRUCK CIRCULATION PLAN
BONITA CANYON GATEWAY, SAN DIMAS, CA



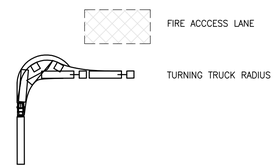


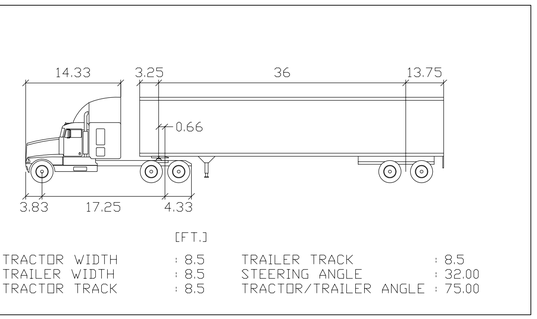
NOTE:
SEE LOS ANGELES COUNTY THOMAS BROS. THOMAS GUIDE MAP, 2002 EDITION, PAGE 600

VICINITY MAP

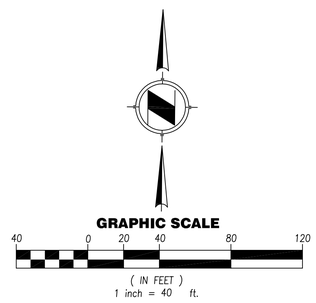
NTS

SITE PLAN LEGEND





FRESH AND EASY



SHEET 1 OF 1

REGISTERED PROFESSIONAL ENGINEER
SILVER L. ELLIS
NO. C 047255
Exp. 12/31/09
CIVIL
STATE OF CALIFORNIA

Date: May, 2009

FUSCOE ENGINEERING
2850 Inland Empire Boulevard, Suite B
Ontario, California 91764
tel 909.581.0676 • fax 909.581.0696
www.fuscoe.com

REVIEWED BY:

DIRECTOR OF PUBLIC WORKS DATE

APPROVED BY CITY OF SAN DIMAS:

CITY ENGINEER DATE

REVISIONS

DATE	BY	REVISIONS	DATE	APP'D

CITY OF SAN DIMAS

BONITA CANYON GATEWAY
TRACT NO. 69609
TRUCK CIRCULATION PLAN

R:\RANCHO CUCAMONGA\PROJECTS\3007\01\EXHIBITS\3007.01_TRUCK TURNING PLAN - STANDARD\3007.01_TRUCK TURNING PLAN.DWG (08-09-09 12:16 Plotted by: Jose Sanchez