



OFFSITE DRAINAGE
SCALE: 1"=2,000'



LEGEND

- ① DRAINAGE AREAS
- DRAINAGE BOUNDARY
- Ⓐ DRAINAGE SUB-AREAS
- DRAINAGE FLOW DIRECTION
- ① CONCENTRATION POINT
- PROPERTY BOUNDARY
- 100-YR FLOOD PLAN
- PROPOSED DRAINAGE EASEMENT
- N.R. DESIGNATES NOT REQUIRED
- ▨ BUNDLING AREAS

DRIVEWAY CULVERT SIZES	
Lot No.	Culvert Size
1	18" CMP
2	18" CMP
3	18" CMP
4	18" CMP on SW corner, NR elsewhere
5	N.R.
6	N.R.
7	N.R.
8	N.R.
9	N.R.
10	24" CMP
11	24" CMP
12	24" CMP
13	30" CMP
14	30" CMP
15	24" CMP
16	24" CMP
17	18" CMP
18	N.R.
19	N.R.
20	N.R.
21	N.R.
22	N.R.
23	18" CMP on SW corner, NR elsewhere
24	24" CMP
25	18" CMP
26	18" CMP
27	24" CMP
28	24" CMP
29	24" CMP
30	24" CMP

PRE-DEVELOPED LANTANA RIDGE UNIT 9														
POINT OF CONCENTRATION	BASEIN	ADJ. BASIN	AREA	RUNOFF COEFFICIENT	MANHOLE'S N	SHEET FLOW	SHALLOW FLOW	CHANNEL FLOW	ELEVATION	CHANGE	SCLOPE	VERTICAL	SCLOPE	AVERAGE
			A	C	N	Sheet Flow	Shallow Flow	Channel Flow	Sheet Flow	Shallow Flow	Channel Flow	Sheet Flow	Shallow Flow	Channel Flow
1	1	1	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00
2	2	2	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00
3	3	3	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00

POST-DEVELOPED LANTANA RIDGE UNIT 9														
POINT OF CONCENTRATION	BASEIN	ADJ. BASIN	AREA	RUNOFF COEFFICIENT	MANHOLE'S N	SHEET FLOW	SHALLOW FLOW	CHANNEL FLOW	ELEVATION	CHANGE	SCLOPE	VERTICAL	SCLOPE	AVERAGE
			A	C	N	Sheet Flow	Shallow Flow	Channel Flow	Sheet Flow	Shallow Flow	Channel Flow	Sheet Flow	Shallow Flow	Channel Flow
1	1	1	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00
2	2	2	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00
3	3	3	4.00	0.40	3.14	300	300	300	3.00	0.000	0.00	0.00	0.00	0.00

DATE: _____

DESCRIPTION: _____

REVISION: _____

4 CUATRO
consultants, LTD.
1401 Light Camp Street, Suite 210
San Antonio, Texas 78258
(210) 486-7775

MASTER DRAINAGE
PLAN/CALCULATIONS
LANTANA RIDGE, UNIT 9
COMAL COUNTY, TEXAS

CLIENT:
DIRT DEALERS XVI, LTD.
18618 TUSCANY STONE, SUITE 210
SAN ANTONIO, TEXAS 78258
(210) 486-7775

DATE: DECEMBER, 2016

PROJECT: JOB # 15-104

DRAWING'S NAME: LRP-DRG-01.dwg

DESIGN: HEJ

CHECKED: HEJ

APPROVED: HEJ

SHEET: C201