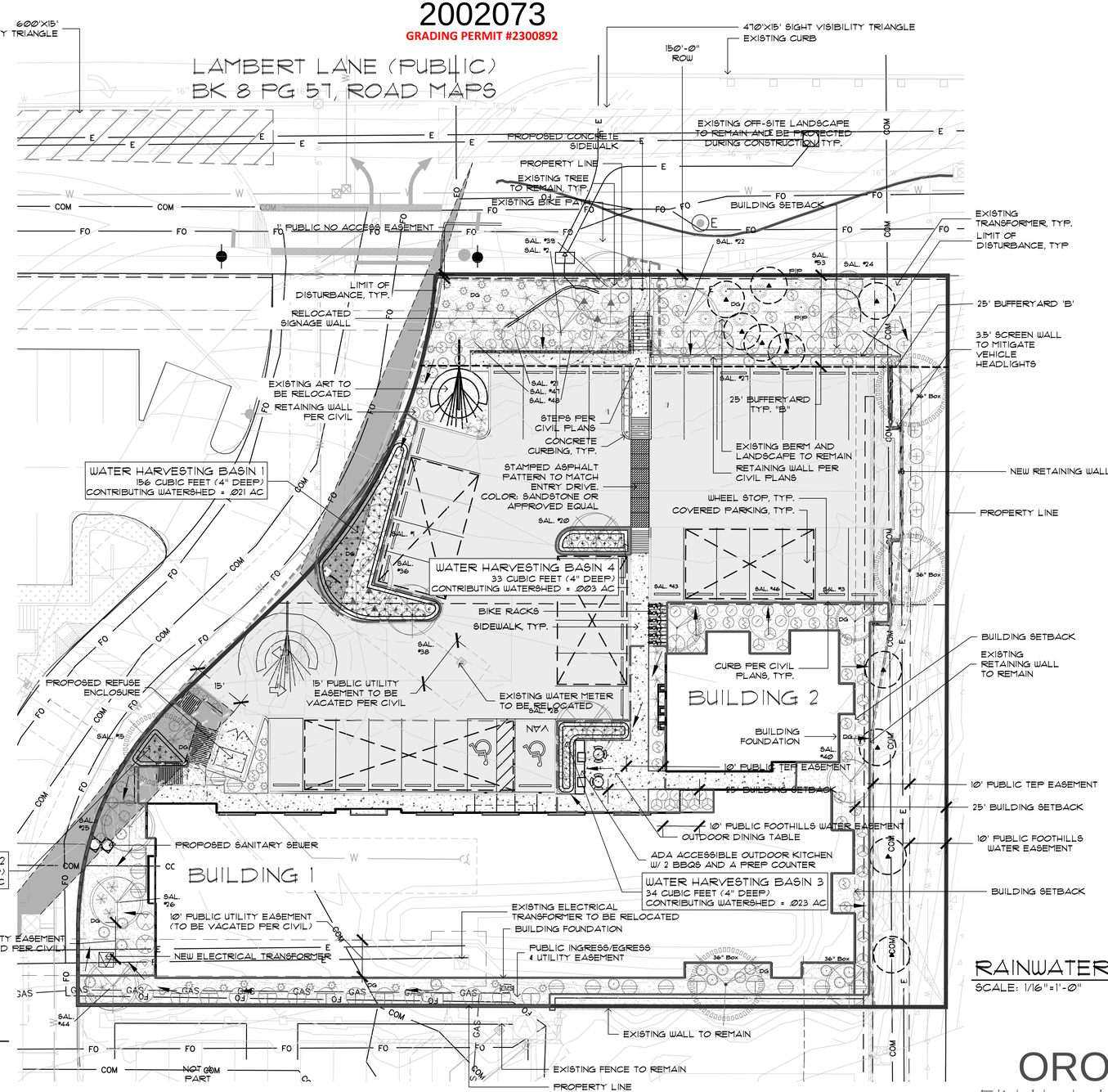
ORO VISTA APARTMENTS

RAINWATER HARVEST PLAN

2002073

GRADING PERMIT #2300892



PROPOSED BASIN VOLUMES

BASIN 1	191 CUBIC FEET (1,429 GALLONS)
BASIN 2	66 CUBIC FEET (494 GALLONS)
BASIN 3	34 CUBIC FEET (254 GALLONS)
TOTAL	291 CUBIC FEET (2,177 GALLONS)

CALCULATIONS:

A. REQUIRED RH GALLONS = 3,000 GAL/AC.
B. AREA OF IMPERVIOUS SURFACES = 584 AC. (25,442 SF)
C. REQUIRED RH GALLONS (B/3000) = 1,752 GAL.
D. PROVIDED RH GALLONS = 2,177 GAL.

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE	WATER NEEDS
	TREES				
	Acacia smallii	Sweet Acacia	1	Salvaged	1-2
	Cercidium floridum	Blue Palo Verde	3 3	Salvaged 36" Box	2-3
	Prosopis velutina	Mesquite	11 1	Salvaged 36" Box	2
	Existing Tree to Remain				
	ACCENTS + VINES				
	Agave victoriae-reginae	Queen Victoria Agave	34	5 Gallon	1-2
	Cordia parvifolia	Littleleaf Cordia	4 10	15 Gallon 5 Gallon	1-2
	Dasylirion wheeleri	Desert Spoon	2 1	Exsiting Salvage	1
	Fouquieria splendens	Ocotillo	4	Salvaged	1
	Hesperaloe funifera	Giant Hesperaloe	6	5 Gallon	1-2
	Hesperaloe parviflora	Red Yucca	17	5 Gallon	1-2
	Opuntia santarita	Santa Rita Prickly Pear	2	Salvaged	1-2
	SHRUBS				
	Calliandra X 'Sierra Star'	Red Fairy Duster	21	5 Gallon	1
	Dodonaea viscosa	Hopseed Bush	12	5 Gallon	1-2
	Haplopappus laricifolius	Turpentine Bush	60	5 Gallon	1
	Justicia spicigera	Mexican Honeysuckle	20	5 Gallon	3
	Senna wislizenii	Shrubby Cassia	8	5 Gallon	2
	Simmondsia chinensis	Jojoba	16	5 Gallon	1-2
	GROUND COVERS				
	Abronia villosa	Sand Verbena	57	5 Gallon	1
	Baileya multiradiata	Desert Marigold	61	5 Gallon	1-2
	Rosemarinus officinalis 'Huntington Carpet'	Prostrate Rosemary	18	5 Gallon	2-3
	MISCELLANEOUS				
DG	DECOMPOSED GRANITE - SIZE/COLOR TO MATCH EXISTING 2" DEPTH IN ALL PLANTING AREAS (TYP) - 10500 SF				
	LIMIT OF DISTURBANCE PER FINAL SITE PLAN				

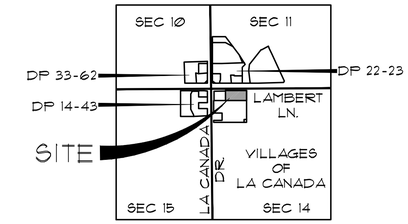
DIRECTIONAL FLOW ARROWS

CONTRIBUTING WATERSHED LIMITS

PROPOSED BASIN LIMITS

ADDITIONAL NOTE

STANDING WATER FOR PASSIVE RAINWATER HARVESTING SYSTEMS MUST INFILTRATE OR DISSIPATE WITHIN TWELVE (12) HOURS OF RAINFALL CESSATION PER (SECTION 27.6.D.4.B.IV.A).



LOCATION MAP

SCALE: 3"=1 MILE

NORTH

OWNER / DEVELOPER

ORO VISTA SHOPPING CENTER
THE BEZTAK COMPANIES
31731 NORTHWESTERN HWY, SUITE 250W
FARMINGTON HILLS, MI 48334
ATTN: MARK HIGHLEN
EMAIL:MHIGHLEN@BEZTAK.COM
PHONE: (248) 737-6175

ARCHITECT

L.R.NIEMIEC ARCHITECTS
8585 E. HARTFORD DRIVE #115
SCOTTSDALE, AZ 85255
ATTN: SKIP NIEMIEC
EMAIL: SKIP@LRNIEMIEC.COM
PHONE: (480) 998-7576

ENGINEER

ENGINEERING & ENVIRONENTAL CONSULTANTS, INC.
555 E. RIVER ROAD #301
TUCSON, AZ 85704
ATTN: STEFANIE THRUSH, P.E.
EMAIL: STHRUSH@EECCORP.COM
PHONE: (520) 321-4625

LANDSCAPE ARCHITECT

COLLABORATIVE V DESIGN STUDIO
7116 E. 1ST AVENUE #103
SCOTTSDALE, AZ 85251
ATTN: SCOTT HEFFERNAN
EMAIL: SCOTTH@COLLABORATIVEV.COM
PHONE: (480) 347-0590

PROJECT OVERVIEW

THIS PROJECT CONSISTS THE CONSTRUCTION OF A TWO NEW MULTI-FAMILY BUILDINGS (16 DUELLING UNITS TOTAL). PROJECT INCLUDES NEW PARKING LOT, COVERED PARKING SPACES, AN OUTDOOR PATIO AREA INCLUDING A GAS GRILL, AND NEW LANDSCAPE AND IRRIGATION SYSTEM.

GENERAL NOTES

1. TOTAL AREA OF ALL NEW IMPERVIOUS SURFACES PAVEMENT, SIDEWALKS, HARDSCAPE AREAS AND BUILDING IS 3.5 ACRES
2. TOTAL VOLUME OF RAINWATER HARVESTING PROVIDED IS 926 C.F.
3. RAINWATER HARVESTING MEASURES EMPLOYED FOR THIS DEVELOPMENT CONSISTS OF DEPRESSED PLANTER BASINS
4. ALL RAINWATER HARVESTING MEASURES SHOWN ON THIS PLAN SHALL BE INTEGRATED INTO BOTH THE LANDSCAPE INSTALLATION AS WELL AS THE SITE GRADING CONSTRUCTION.
5. WATER HARVESTING BASINS IN LANDSCAPE AREAS TO BE DEPRESSED 4" MAXIMUM.

APPROVED

Milini Simms 2022.08.11 08:04:33-07'00' DATE:

TOWN OF ORO VALLEY PLANNING & ZONING ADMINISTRATOR

2022.08.16 17:13:25-07'00' DATE:

TOWN ENGINEER

RAINWATER HARVEST PLAN

SCALE: 1/16"=1'-0"

0 4' 8' 16' 32'

NORTH

2002073

ORO VISTA APARTMENTS

FINAL LANDSCAPE AND IRRIGATION PLAN

A PORTION OF LA CANADA/LAMBERT RETAIL CENTER, SECTION 14, T 12 S, R 13 E, G&SRM
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA
REF. CASE # OV12-02-06, OV12-02-06A AND (0)79

JULY 19, 2022 Scale: 1/16"=1'-0" Contour Interval: 1'

SHEET 1 OF 1

Engineer's seal is provided for grading reference only.

Registered Professional Engineer (Civil) CERTIFICATE NO. 56322 STEFANIE M. THRUSH 7/25/2022 Date signed ARIZONA, U.S.A.

EXPIRES 3/31/2023

Registered Landscape Architect CERTIFICATE NO. 46197 MATTHEW PAUL DRIMMER 07/19/2022 ARIZONA U.S.A.

EXPIRES 06 / 30 / 2025

COLLABORATIVE DESIGN STUDIO

Collaborative V
Design Studio Inc.
7116 East 1st Ave. #103
Scottsdale, Az 85251
office: 480-347-0590
fax: 480-656-6012
attn: scott heffernan
scotth@collaborativev.com

Call at least two full working days prior to excavation and/or blasting. ARIZONA 811 BLUE STAKE, INC. Dial 8-1-1 or 1-800-STAKE IT (782-5348) In Maricopa County: (602)263-1100

GRADING PERMIT #2300892