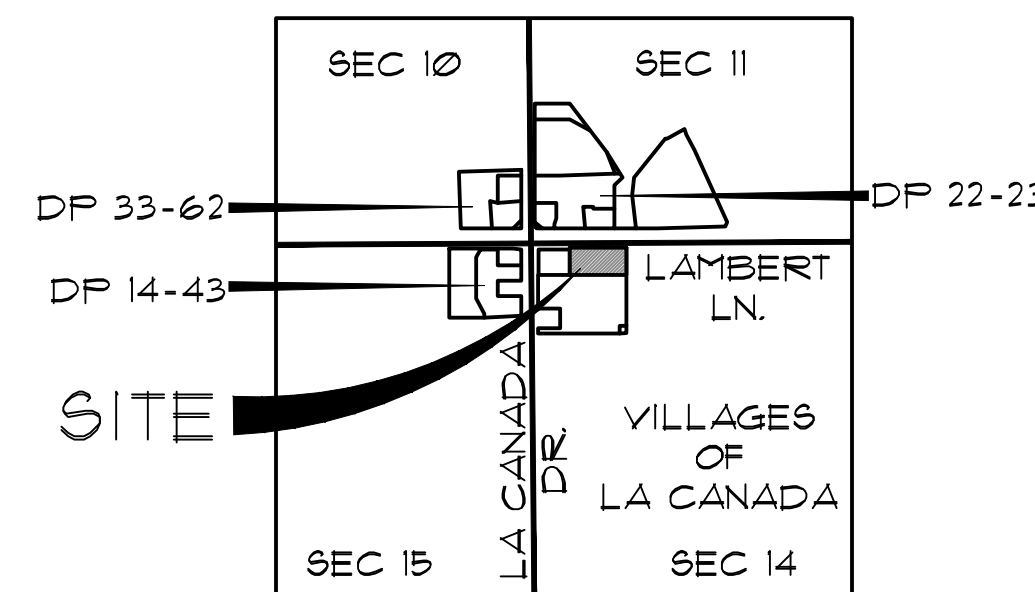


ORO VISTA APARTMENTS

RAINWATER HARVEST PLAN

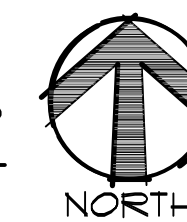
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Collaborative V
Design Studio Inc.
7116 East 1st Ave. #103
Scottsdale, AZ 85251
office: 480-347-0590
fax: 480-656-6012
attn: scott heffernan
scott@collaborativev.com

LOCATION MAP

SCALE: 3/8"=1 MILE



OWNER / DEVELOPER

ORO VISTA SHOPPING CENTER
THE BEZTAK COMPANIES
31731 NORTHWESTERN HWY, SUITE 250W
FARMINGTON HILLS, MI 48334
ATTN: MARK HIGLEN
EMAIL: MHIGLEN@BEZTAK.COM
PHONE: (248) 331-6115

ARCHITECT

LR NIEMIEC ARCHITECTS
8585 E. HARTFORD DRIVE #115
SCOTTSDALE, AZ 85255
ATTN: SKIP NIEMIEC
EMAIL: SKIP@LRNIEMIEC.COM
PHONE: (480) 998-1516

ENGINEER

ENGINEERING & ENVIRONMENTAL 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
1116 E. 1ST AVENUE #103
SCOTTSDALE, AZ 85251
ATTN: SCOTT HEFFERNAN
EMAIL: SCOTT@COLLABORATIVEV.COM
PHONE: (480) 341-0530

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE
TREES				
+	Acacia willardiana	Palo Blanco	3	36" Box
+	Cercidium floridum	Blue Palo Verde	6	36" Box
+	Cordia parvifolia	Littleleaf Cordia	6	15 Gallon
+	Prosopis velutina	Velvet Mesquite	4	36" Box
Existing Tree to Remain				
ACCENTS + VINES				
+	Agave victoriae-reginae	Queen Victoria Agave	31	5 Gallon
+	Dasylistron wheeleri	Desert Spoon	10	5 Gallon
+	Hesperaloe funifera	Giant Hesperaloe	6	5 Gallon
+	Hesperaloe parviflora	Red Yucca	17	5 Gallon
SHRUBS				
+	Calliandra hybrid	Red Fairy Duster	21	5 Gallon
+	Dodonaea viscosa	Hopsseed Bush	12	5 Gallon
+	Haplopappus laricifolius	Turpentine Bush	53	5 Gallon
+	Justicia spicigera	Mexican Honeysuckle	17	5 Gallon
+	Myrtus communis	Compact Myrtle	17	5 Gallon
+	Senna wilsonii	Shrubby Cassia	8	5 Gallon
+	Simmondsia chinensis	Jojoba	16	5 Gallon
GROUND COVERS				
+	Abronia villosa	Sand Verbena	51	5 Gallon
+	Baileya multiradiata	Desert Marigold	48	5 Gallon
+	Lantana montevidensis	Trailing Lantana	9	5 Gallon
+	Rosemarinus officinalis	Prostrate Rosemary	14	5 Gallon
MISCELLANEOUS				
+	DECOMPOSED GRANITE - SIZE AND COLOR TO MATCH EXISTING 2" DEPTH IN ALL PLANTING AREAS (TYP) - 10,500 SF			

APPROVED

TOWN OF ORO VALLEY PLANNING & ZONING ADMINISTRATION

TOWN ENGINEER

DATE:

DATE:

LANDSCAPE PLAN

ORO VISTA APARTMENTS

ORO VALLEY, ARIZONA

RAINWATER HARVESTING PLAN

DESIGNED BY: PV/SH
DRAWN BY: SH
CHECKED BY: PV/MD
DATE: JULY 9, 2021
REVISED:

ORO VISTA APARTMENTS
SITE PLAN APPROVAL

RH-1

1 OF 1

PROJECT OVERVIEW

THIS PROJECT CONSISTS THE CONSTRUCTION OF A TWO NEW MULTI-FAMILY BUILDINGS (16 DWELLING 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

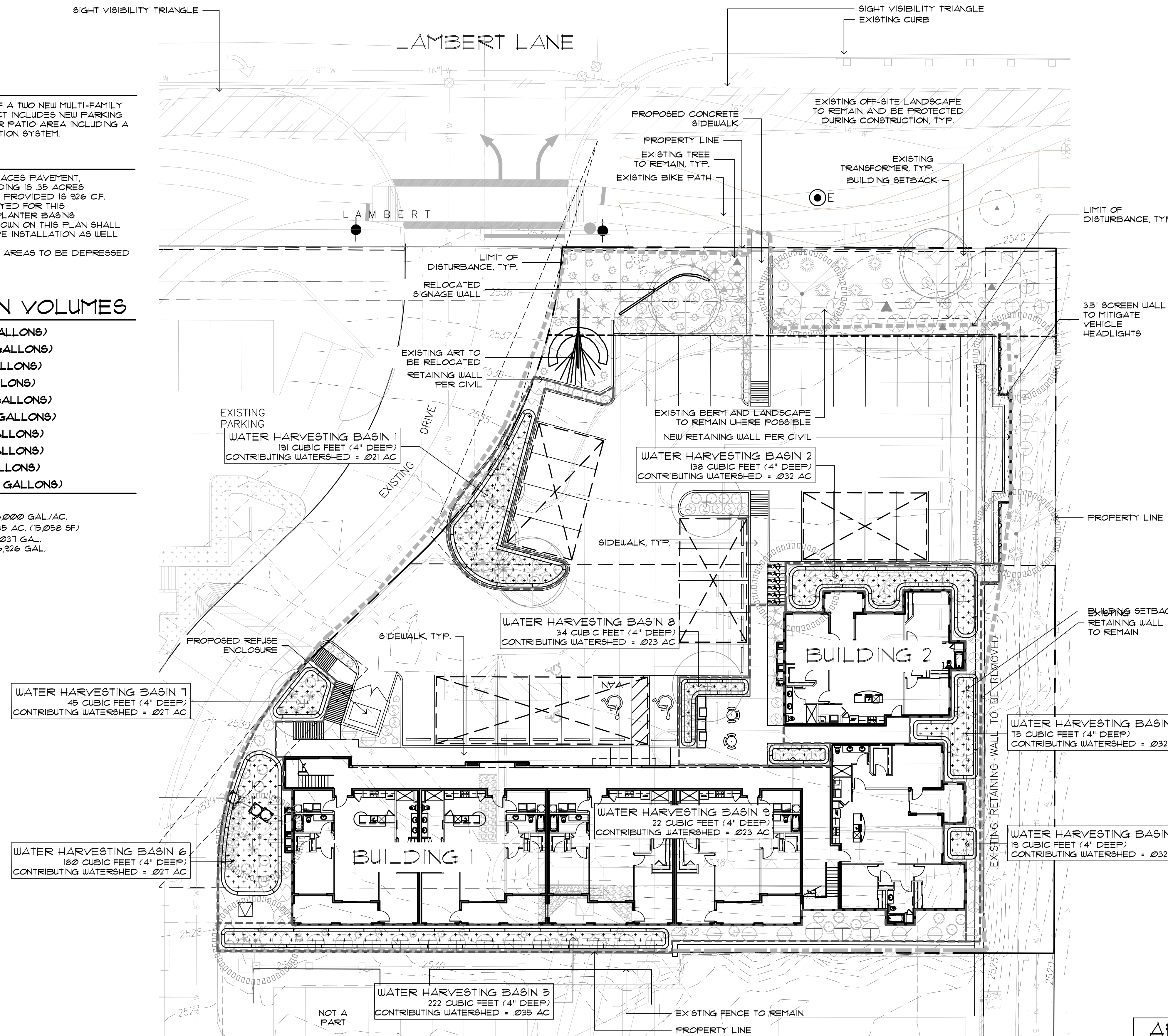
- TOTAL AREA OF ALL NEW IMPERVIOUS SURFACES PAVEMENT, SIDEWALKS, HARDSCAPE AREAS AND BUILDING IS .35 ACRES
- TOTAL VOLUME OF RAINWATER HARVESTING PROVIDED IS 926 CF.
- RAINWATER HARVESTING MEASURES EMPLOYED FOR THIS DEVELOPMENT CONSISTS OF DEPRESSED PLANTER BASINS
- ALL RAINWATER HARVESTING MEASURES SHOWN ON THIS PLAN SHALL BE INTEGRATED INTO BOTH THE LANDSCAPE INSTALLATION AS WELL AS THE SITE GRADING CONSTRUCTION.
- WATER HARVESTING BASINS IN LANDSCAPE AREAS TO BE DEPRESSED 4" MAXIMUM.

PROPOSED BASIN VOLUMES

BASIN 1	191 CUBIC FEET (1,429 GALLONS)
BASIN 2	138 CUBIC FEET (1,032 GALLONS)
BASIN 3	75 CUBIC FEET (561 GALLONS)
BASIN 4	19 CUBIC FEET (142 GALLONS)
BASIN 5	222 CUBIC FEET (1,661 GALLONS)
BASIN 6	180 CUBIC FEET (1,346 GALLONS)
BASIN 7	45 CUBIC FEET (337 GALLONS)
BASIN 8	34 CUBIC FEET (254 GALLONS)
BASIN 9	22 CUBIC FEET (165 GALLONS)
TOTAL	926 CUBIC FEET (6,926 GALLONS)

CALCULATIONS:

- A. REQUIRED RH GALLONS = 3,000 GAL./AC.
B. AREA OF IMPERVIOUS SURFACES = .35 AC. (15,058 SF)
C. REQUIRED RH GALLONS (B/3000) = 1,037 GAL.
D. PROVIDED RH GALLONS = 6,926 GAL.



RAINWATER HARVEST PLAN

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

