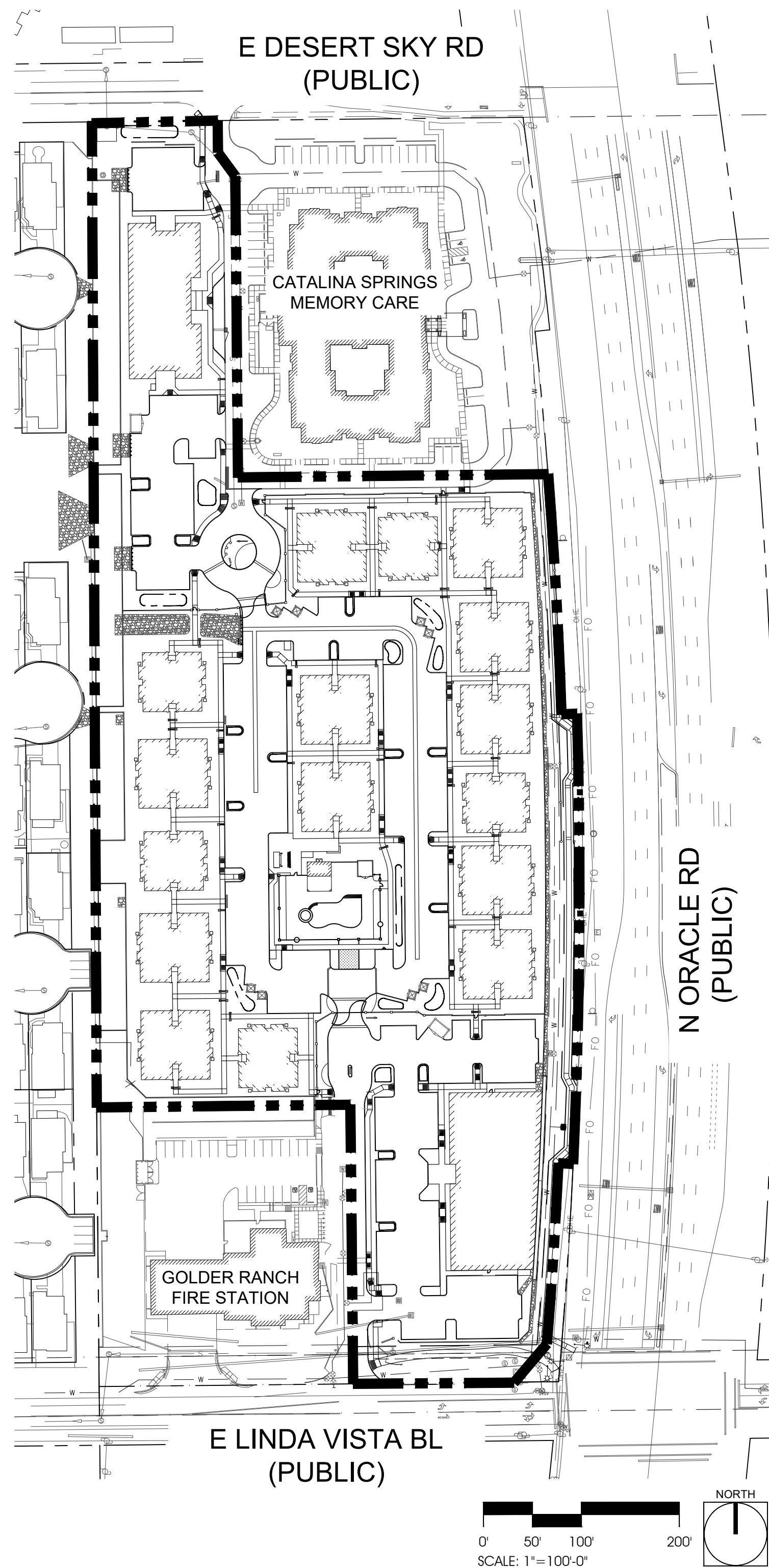
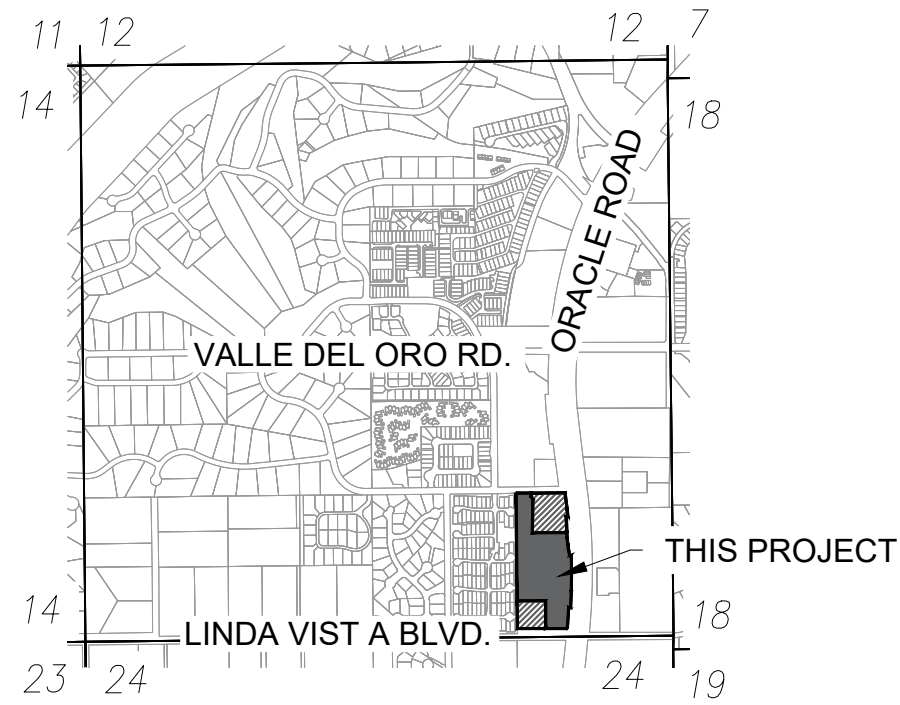


WATER HARVESTING PLAN
LINDA VISTA LUXURY RENTALS
CASE #1902923



GENERAL NOTES:

- AREA CALCULATIONS ARE AS FOLLOWS:
 - GROSS AREA OF PROPERTY: 9.75 ACRES (424,798 SF)
 - ZONING OF THE PROPERTY: C-N
- LANDSCAPE TO CONFORM TO ORO VALLEY LANDSCAPE CODE.
- A LICENSE AGREEMENT MUST BE APPROVED BY TOWN COUNCIL PRIOR TO PLANTING ANY LANDSCAPE MATERIALS IN THE TOWN RIGHT-OF-WAY.
- THIS PROJECT IS SUBJECT TO THE REZONING CONDITIONS OF ORACLE VISTA CENTER, OV12-06-25B.



A PORTION OF THE LOT 4 IN THE S.E. 1/4 OF SECTION 13, TOWNSHIP 12 SOUTH, RANGE 13 EAST, GILA & SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, AZ

LOCATION MAP

SCALE: 3" = 1 MILE

SHEET INDEX:

COVER	THIS SHEET
WATER HARVESTING OVERALL	WH-0
WATER HARVESTING PLAN	WH-1 THRU WH-3

ADDRESS:

9901 N ORACLE ROAD, ORO VALLEY, AZ 85704

SUBMITTAL HISTORY:

1ST	06/23/20	TOWN OF ORO VALLEY
2ND	08/26/20	TOWN OF ORO VALLEY
3RD	10/14/20	TOWN OF ORO VALLEY

PLANNING AND ZONING ADMINISTRATOR DATE

TOWN ENGINEER DATE



PROJECT: ADL-06
DATE: 10/14/20
DRAWN BY: FW
CHECKED BY: DB

CALL TWO WORKING DAYS BEFORE YOU DIG
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

#	REVISIONS/SUBMITTALS	DATE

OWNER:
MILLER LLC
TITLE SECURITY AGENCY
TRUST 201427-T
2410 E CAMINO LA ZORRELA
TUCSON, AZ 85718

DEVELOPER:
AERIE DEVELOPMENT
6300 E EL DORADO PLAZA, #B150
TUCSON, AZ 85715
CONTACT: SCOTT RATHBURN
TEL: 520-904-8327

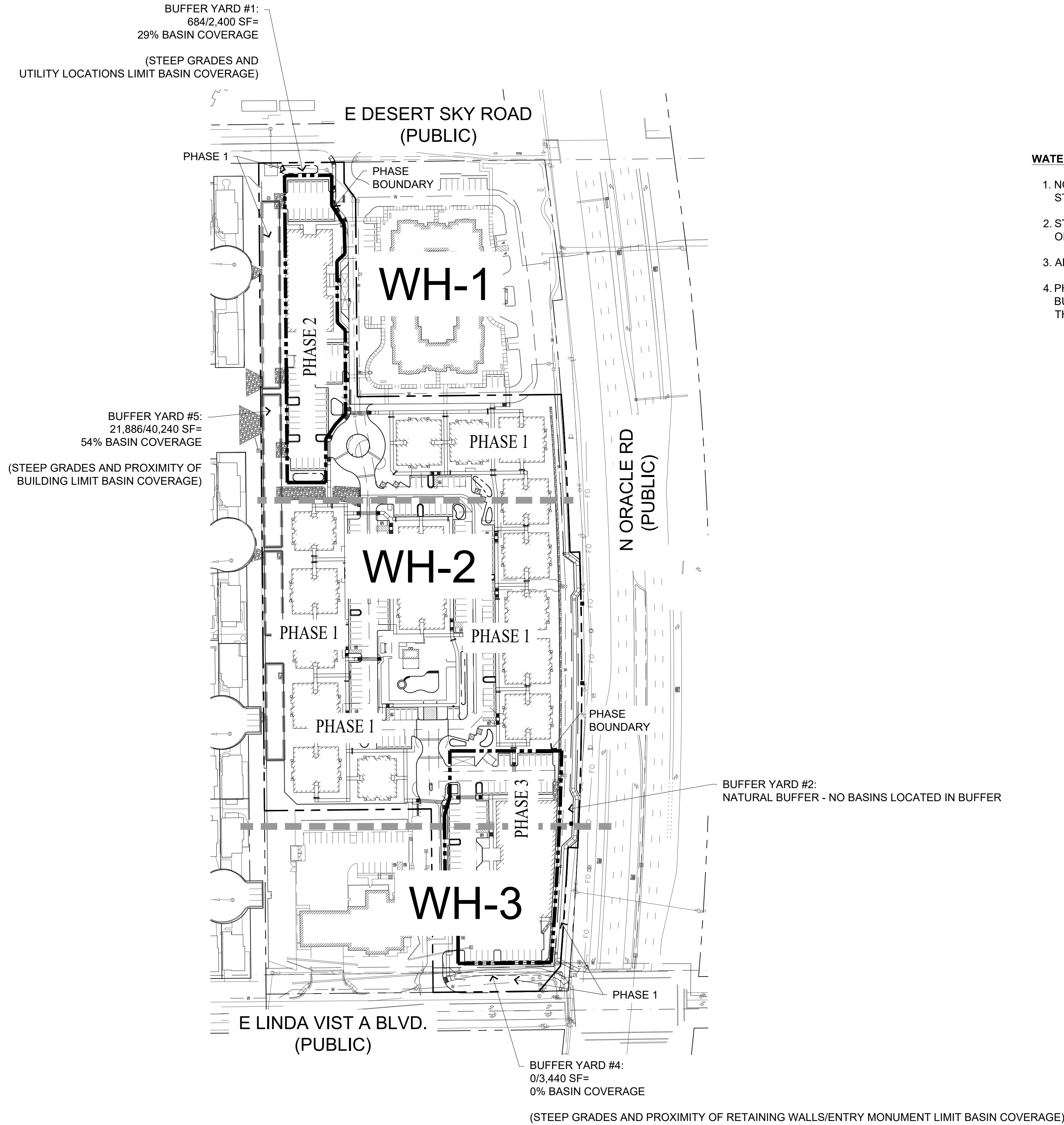
ENGINEER:
PERRY ENGINEERING
501 W WETMORE ROAD
TUCSON, AZ 85705
CONTACT: KEN PERRY
TEL: 520-620-9870



WATER HARVESTING PLAN
LINDA VISTA LUXURY RENTALS

A PORTION OF LOT 4 IN S.E. 1/4 OF SECTION 13, T12S, R13E, G&SRM, TOWN OF ORO VALLEY, PIMA COUNTY, AZ

CASE NO: 1902923
REFERENCE: OV19-00-12 OV12-06-25B OV12-18-15 OV12-13-01 OV9-99-15 1900612
COVER
1 OF 5



WATER HARVESING NOTES:

1. NO PASSIVE WATER HARVESTING BASINS SHALL BE ALLOWED WITHIN TEN (10) FEET OF A BUILDING OR VERTICAL STRUCTURAL ELEMENT GREATER THAN FOUR (4) FEET IN HEIGHT.
2. STANDING WATER FOR PASSIVE RAINWATER HARVESTING SYSTEMS MUST INFILTRATE WITHIN TWELVE (12) HOURS OF RAINFALL CESSATION.
3. ALL PASSIVE RAINWATER HARVESTING CATCHMENT AREAS SHALL BE VEGETATED.
4. PHASES: PHASE 1 INCLUDES ALL LANDSCAPE BUFFER YARDS ON PERIMETER OF PROJECT AND (16) RESIDENTIAL BUILDINGS IN CENTER OF PROJECT SITE. PHASE 2 INCLUDES THE NORTH OFFICE BUILDING. PHASE 3 INCLUDES THE SOUTH OFFICE BUILDING.

WATER HARVESTING CALCULATIONS - PHASE 1

PHASE 1: MULTI-FAMILY USE, 16 APARTMENT BUILDINGS AND ALL LANDSCAPE BUFFERS

SYSTEM TYPE: PASSIVE RAINWATER HARVESTING

REQUIRED VOLUME:
IMPERVIOUS SURFACE (4.50 ACRES) X 3,000 GALLONS/ACRE = 13,500 GALLONS

PROVIDED VOLUME:
DETENTION/RETENTION BASINS: 1,035,300 GALLONS
WATER HARVESTING BASINS (4" DEPTH): 9,338 GALLONS
TOTAL PROVIDED VOLUME: 1,044,638 GALLONS

WATER HARVESTING CALCULATIONS - PHASE 2

PHASE 2: COMMERCIAL USE, ONE OFFICE BUILDING ON NORTH END OF SITE

SYSTEM TYPE: PASSIVE RAINWATER HARVESTING

REQUIRED VOLUME:
IMPERVIOUS SURFACE (0.99 ACRES) X 3,000 GALLONS/ACRE = 2,970 GALLONS

PROVIDED VOLUME:
DETENTION/RETENTION BASINS: 0 GALLONS
WATER HARVESTING BASINS (4" DEPTH): 3,542 GALLONS
TOTAL PROVIDED VOLUME: 3,542 GALLONS

WATER HARVESTING CALCULATIONS - PHASE 3

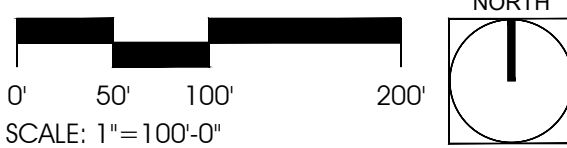
PHASE 3: COMMERCIAL USE, ONE OFFICE BUILDING ON SOUTH END OF SITE

SYSTEM TYPE: PASSIVE RAINWATER HARVESTING

REQUIRED VOLUME:
IMPERVIOUS SURFACE (1.30 ACRES) X 3,000 GALLONS/ACRE = 3,900 GALLONS

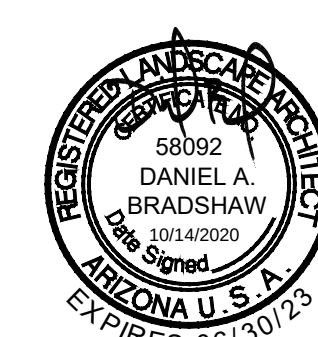
PROVIDED VOLUME:
DETENTION/RETENTION BASINS: 0 GALLONS
WATER HARVESTING BASINS (4" DEPTH): 1,412 GALLONS
TOTAL PROVIDED VOLUME: 1,412 GALLONS

(LIMITED WATER HARVESTING DUE TO STEEP TOPOGRAPHY, PROXIMITY OF RETAINING WALLS, PROXIMITY OF WALLS, AND PROXIMITY OF BUILDING).



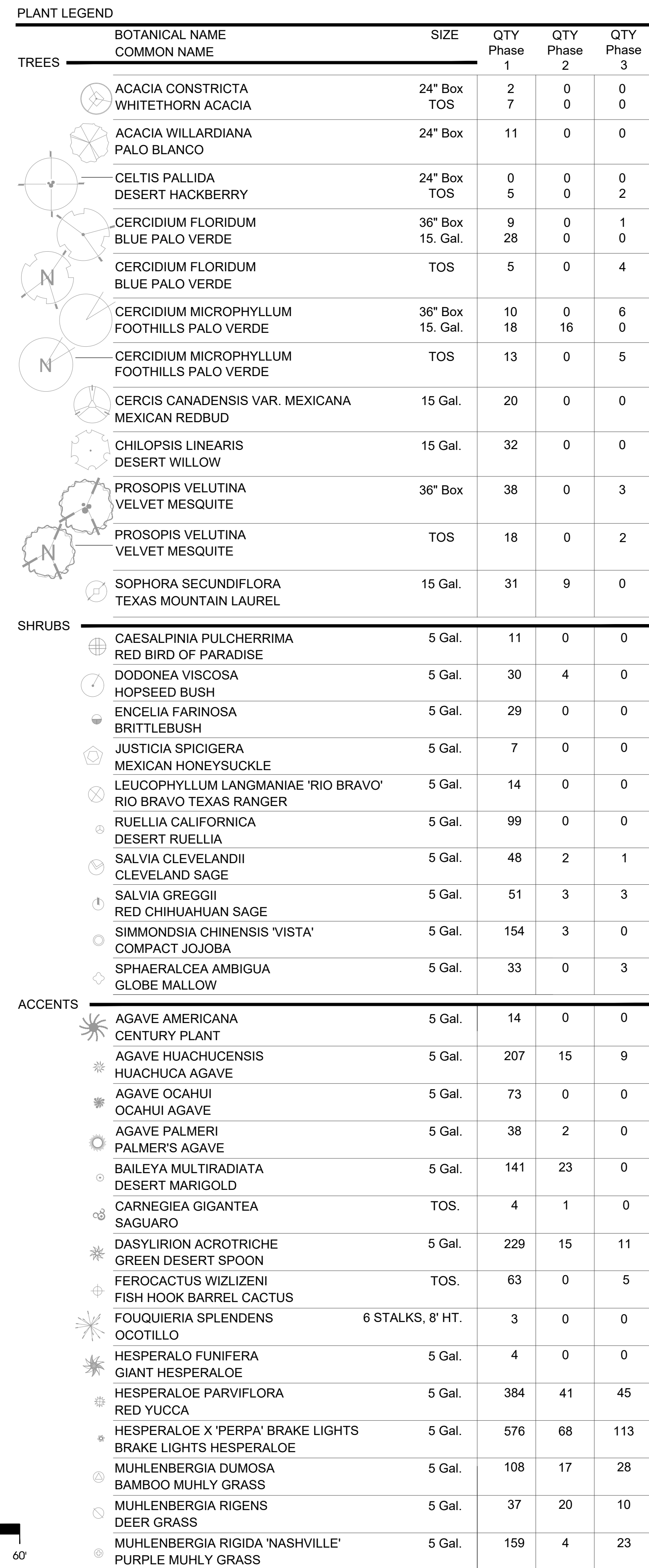
#	REVISIONS/SUBMITTALS	DATE

WATER HARVESTING OVERALL

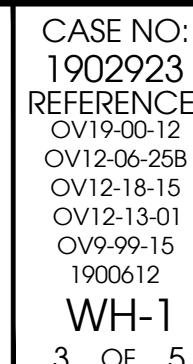


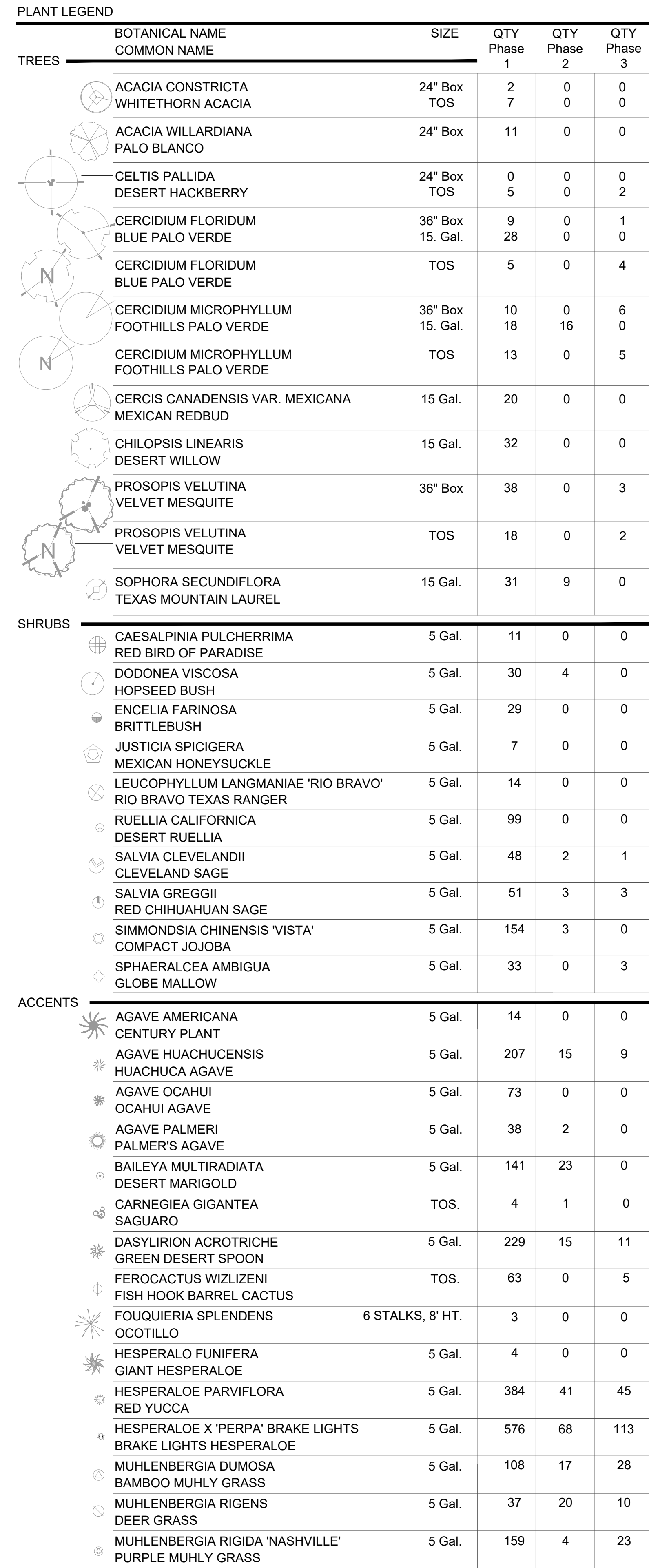
**WATER HARVESTING PLAN
LINDA VISTA LUXURY
RENTALS**

A PORTION OF LOT 4 IN S.E. 1/4 OF SECTION 13, T12S, R13E, G&SRM, TOWN OF ORO VALLEY, PIMA COUNTY, AZ

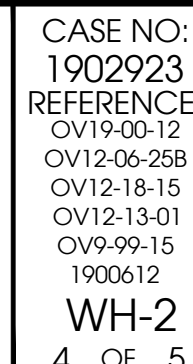


PROJECT: 06/16/2020 WORKING DRAWINGS: 06/16/2020 SET: DWG: 101/3/2020, 3:53 PM, FWEILER





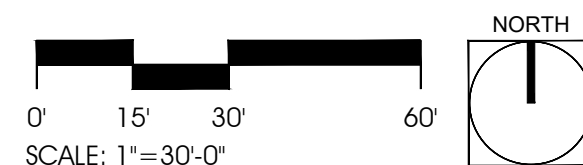
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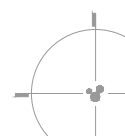




 SITE BOUNDARY
 WATER HARVESTING BASIN
 (4" DEPTH)
 RETENTION/DETENTION BASIN
 (PER CIVIL PLANS)

GROUND COVER		BOTANICAL NAME	SPACING	SIZE	QTY Phase 1	QTY Phase 2
		COMMON NAME				
		LANTANA X 'NEW GOLD'	36" O.C.	1 Gal.	164	
		TRAILING YELLOW LANTANA				
		LANTANA MONTEVIDENSIS 'WHITE'	36" O.C.	1 Gal.	32	
		TRAILING WHITE LANTANA				
		MYOPORUM PARVIFLORUM	36" O.C.	1 Gal.	54	
		CREeping MYOPORUM				
NOT SHOWN		DECORATIVE ROCK: INSTALL IN ALL LANDSCAPE AREAS, LANDSCAPE BUFFERS, AND ANY AREA NOT COVERED BY RIPRAP, PAVEMENT, OR HYDROSEED. SIZE = 7/8" SCREENED, COLOR = "MOHAVE GOLD" BY KALAMAZOO MATERIALS. MINIMUM DEPTH OF 2".				
NOT SHOWN		DECORATIVE RIPRAP: INSTALL IN AREAS NEAR VEHICULAR GATES AS NOTED, SIZE = 4" TO 10", COLOR = "APACHE BROWN" BY KALAMAZOO MATERIALS. MINIMUM DEPTH OF 4".				
NOT SHOWN		HYDROSEED WITH TACKIFIER: INSTALL HYDROSEED WITH TACKIFIER IN BOTTOMS OF RECTANGULAR BASINS WITH CONCRETE WALLS ON WEST SIDE OF PROPERTY. SEE SEED MIX, THIS SHEET.				



PLANT LEGEND						
	BOTANICAL NAME COMMON NAME	SIZE	QTY Phase 1	QTY Phase 2	QTY Phase 3	
TREES	 ACACIA CONSTRICTA WHITETHORN ACACIA	24" Box TOS	2 7	0 0	0 0	
	 ACACIA WILLARDIANA PALO BLANCO	24" Box	11	0	0	
	 CELTIS PALLIDA DESERT HACKBERRY	24" Box TOS	0 5	0 0	0 2	
	 CERCIDIUM FLORIDUM BLUE PALO VERDE	36" Box 15. Gal.	9 28	0 0	1 0	
	 CERCIDIUM FLORIDUM BLUE PALO VERDE	TOS	5	0	4	
	 CERCIDIUM MICROPHYLLUM FOOTHILLS PALO VERDE	36" Box 15. Gal.	10 18	0 16	6 0	
	 CERCIDIUM MICROPHYLLUM FOOTHILLS PALO VERDE	TOS	13	0	5	
	 CERCIS CANADENSIS VAR. MEXICANA MEXICAN REDBUD	15 Gal.	20	0	0	
	 CHIOPSIS LINEARIS DESERT WILLOW	15 Gal.	32	0	0	
	 PROSOPIS VELUTINA VELVET MESQUITE	36" Box	38	0	3	
	 PROSOPIS VELUTINA VELVET MESQUITE	TOS	18	0	2	
	 SOPHORA SECUNDIFLORA TEXAS MOUNTAIN LAUREL	15 Gal.	31	9	0	
	SHRUBS	 CAESALPINIA PULCHERRIMA RED BIRD OF PARADISE	5 Gal.	11	0	0
 DODONEA VISCOSA HOPSEED BUSH		5 Gal.	30	4	0	
 ENCELIA FARINOSA BRITTLEBUSH		5 Gal.	29	0	0	
 JUSTICIA SPICIGERA MEXICAN HONEYSUCKLE		5 Gal.	7	0	0	
 LEUCOPHYLLUM LANGMANIAE 'RIO BRAVO' RIO BRAVO TEXAS RANGER		5 Gal.	14	0	0	
 RUELLIA CALIFORNICA DESERT RUELLIA		5 Gal.	99	0	0	
 SALVIA CLEVELANDII CLEVELAND SAGE		5 Gal.	48	2	1	
 SALVIA GREGGII RED CHIHUAHUA SAGE		5 Gal.	51	3	3	
 SIMMONDSIA CHINENSIS 'VISTA' COMPACT JOJOBA		5 Gal.	154	3	0	
 SPHAERALCEA AMBIGUA GLOBE MALLOW		5 Gal.	33	0	3	
ACCENTS		 AGAVE AMERICANA CENTURY PLANT	5 Gal.	14	0	0
		 AGAVE HUACHUCENSIS HUACHUCA AGAVE	5 Gal.	207	15	9
		 AGAVE OCAHUI OCAHUI AGAVE	5 Gal.	73	0	0
	 AGAVE PALMERI PALMER'S AGAVE	5 Gal.	38	2	0	
	 BAILEYA MULTIRADIATA DESERT MARGOLD	5 Gal.	141	23	0	
	 CARNEGIEA GIGANTEA SAGUARO	TOS.	4	1	0	
	 DASYLIRION ACROTRICHE GREEN DESERT SPOON	5 Gal.	229	15	11	
	 FEROCACTUS WIZLIZENI FISH HOOK BARREL CACTUS	TOS.	63	0	5	
	 FOUQUIERIA SPLENDENS OCOTILLO	6 STALKS, 8' HT.	3	0	0	
	 HESPERALO FUNIFERA GIANT HESPERALOE	5 Gal.	4	0	0	
	 HESPERALOE PARVIFLORA RED YUCCA	5 Gal.	384	41	45	
	HESPERALOE X 'PERPA' BRAKE LIGHTS BRAKE LIGHTS HESPERALOE	5 Gal.	576	68	113	
	MUHLENBERGIA DUMOSA BAMBOO MUHLY GRASS	5 Gal.	108	17	28	
	MUHLENBERGIA RIGENS DEER GRASS	5 Gal.	37	20	10	
	MUHLENBERGIA RIGIDA 'NASHVILLE' PURPLE MUHLY GRASS	5 Gal.	159	4	23	

1. PROJECTS/ADL-04/AUTOCAD/WORKING DRAWINGS/ADL-04-WH-SET/DWG. 10013/2020. 3:53 PM: RWBER

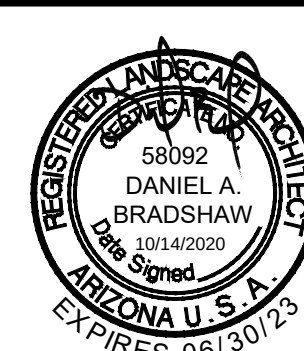


PROJECT: ADL-06
DATE: 10/14/20
DRAWN BY: FW
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(OUTSIDE
MARICOPA COUNTY)

[illegible]

WATER HARVESTING PLAN



WATER HARVESTING PLAN LINDA VISTA LUXURY RENTALS

A PORTION OF LOT 4 IN S.E. 1/4 OF
SECTION 13, T12S, R13E, G&SRM, TOWN
OF ORO VALLEY, PIMA COUNTY, AZ

CASE NO:
1902923
REFERENCE
OV19-00-12
OV12-06-25B
OV12-18-15
OV12-13-01
OV9-99-15
1900612
WH-3
5 OF 5