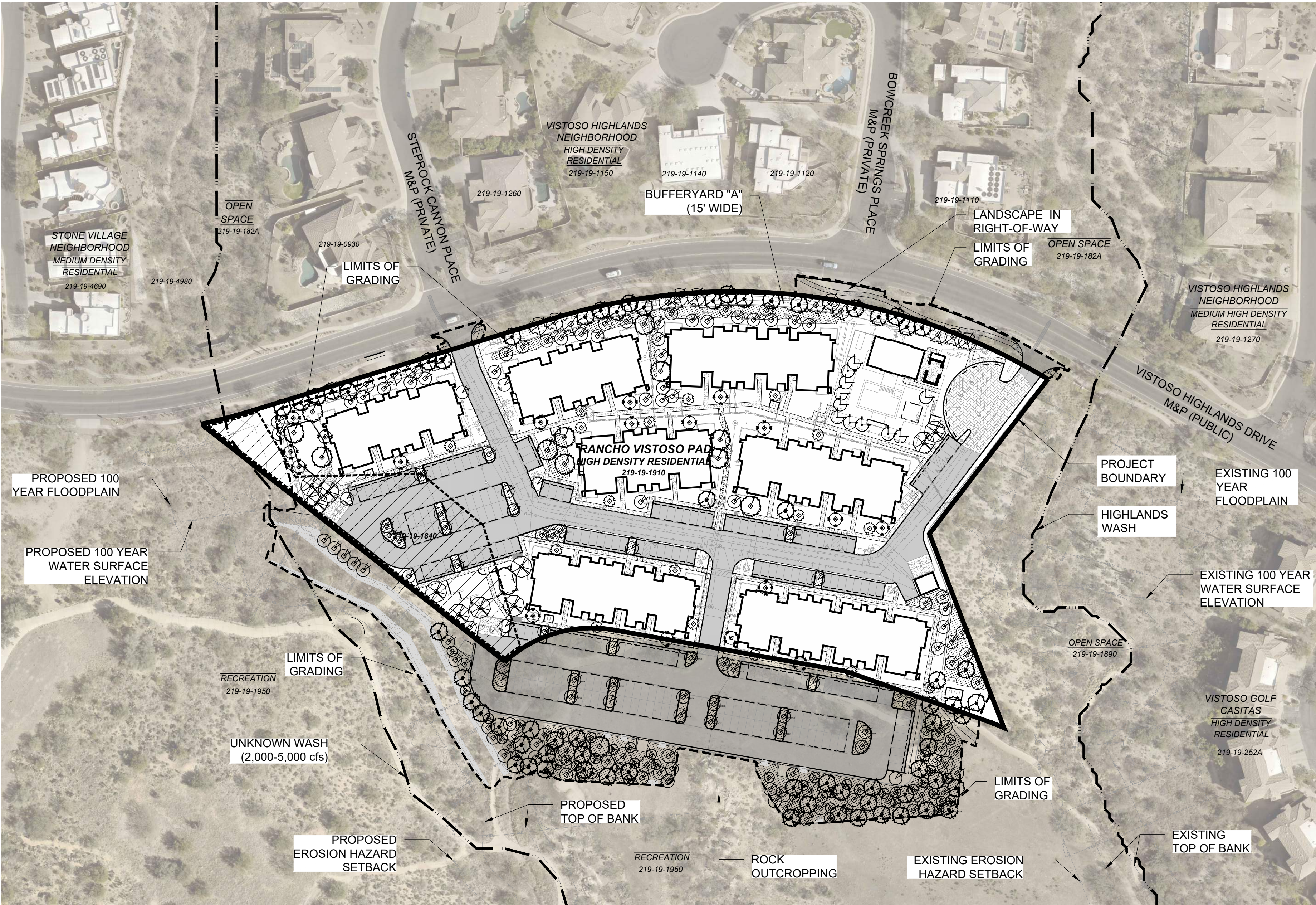


GENERAL NOTES:

- Gross area of development in acres: 9.31 AC (including 2.52 AC offsite work)
- Total acres of graded area: 9.31 AC
- Total acres of undisturbed area: 0.12 AC (5363 SF)
- Total amount of open space required and provided (as defined in Chapter 31 Definitions)  
Open Space Required: 30% of the gross area of the site  
Open Space Provided: 30.4%  
Total amount of Landscaped Common Areas: 123,846 SF.
- Landscape Bufferyard "A" Residential Street Frontage along Vistoso Highlands Dr. (Minimum 15 ft.) Landscaped buffer yards appropriately labeled per OVZCR Table 27.7.
- The existing zoning for A.P.N. 219-19-1910 is Rancho Vistoso PAD 'HDR.' (See PAD document dated June 22, 1987 Ordinance # (O) 06-02 (latest amendment.) The existing zoning for A.P.N. 219-19-1840 is RV PAD 'Open Space.' The proposed zoning for A.P.N. 219-19-1840 is RV PAD 'Recreation Area/Golf Course.' (See Sheet 2 civil notes for 'Rezoning Conditions.'
- Classification of each perimeter street abutting the property and type and width of street buffer yards provided.
- Landscape to conform to Oro Valley Landscape Code.
- Mitigation of surveyed plants in the Native Plant Preservation Plan will be incorporated in the landscape design.
- Assurances for landscaping and re-vegetation bonds must be posted prior to issuance of grading permits. A landscape bond in the amount of 10% of the original landscape bond shall remain in place for a period of one year from the complete installation of landscape materials and any replacement materials.
- Property owner shall maintain buffer yard plantings to ensure unobstructed visibility to motorists. All shrubs, accents, and groundcovers shall not exceed thirty (30") inches in height within site visibility triangles. Trees within site visibility triangles will be maintained to ensure that branches/foliage is not below a height of six (6') feet and the diameter should not exceed 1-foot when fully mature.
- Property owners, lessees, and occupants shall maintain required landscape, irrigation, buffering, screening, and rainwater harvesting system improvements per the approved plans.
- In the event of abandonment of the site after grading/disturbance of natural areas, disturbed areas shall be re-vegetated with a non-irrigated hydro seed mix from the OVZCR Addendum D: Approved revegetation seed mix.
- All plant material shall meet the minimum standards contained in the current editions of the Arizona Nursery Association's Growers Committee Recommended Tree Specifications and the American Association of Nurserymen as to size, condition, and appearance.
- Property owner is responsible for maintaining the temporary irrigation system as long as necessary in order to transition plants over to natural sources. Any plant materials that die in transition, for any reason, shall be replaced in accordance with Sec. 27.6.E.4, Maintenance. Metered water use for landscape irrigation shall be reduced by fifty percent, five years from the date of the issuance of the certificate of occupancy.
- Any spaded or boxed tree transplanted on site that dies due to neglect or lack of maintenance shall be replaced with the same size and species of the original salvaged tree, as required by the salvage plan.
- The limits of grading shall be staked in the field, in accordance with Section 27.6.B.7.c.ii of the Zoning Code. Disturbance outside the approved grading limits shall not be permitted.
- No salvage of plants regulated by the Endangered Species Act and/or the Arizona Native Plant Law may occur without the issuance of the appropriate permit by the State Department of Agriculture.
- Landscape materials shall not obstruct sight distances or vehicle turning movements.
- Landscaped areas that are susceptible to damage by pedestrian or auto traffic shall be protected by appropriate curbs, tree guards, or other devices.
- Landscape shall be designed to minimize sediment, sand, and gravel being carried into the streets from storm water or other runoff.
- Landscape plan enables adequate plant spacing to ensure survivability at plant maturity.
- Deep rooted vegetation and trees shall not be planted closer than 7.5' from a public water line. Exceptions for alternative design solutions such as root barriers shall be considered on a case-by-case basis.
- Curb-way consisting of inorganic groundcover or plants not to exceed type 2 water use shall be provided between curb and all sidewalks.
- All landscaped areas to be finished with a natural topping material to a depth of at least two (2) inches.
- There are no overlay zones applicable to the property.
- Table for each buffer yard that indicates buffer yard type, width/length, and number of required and provided trees, shrubs, and accent plants. (See sheet LS-0)
- The proposed development will have trails:
  - All trail easements indicated are for use by the general public as permanent, non-motorized trail easements.
  - All public trails and signage must be constructed by the developer to Pima Regional Trail System Master Plan standards in consultation with the Town Parks and Recreation department. The applicable cross-section is included within these plans.
  - Trail and sign locations, as indicated on this plan, must be field verified by Town staff prior to construction and are subject to adjustment.
  - Trails must be positioned in a manner to avoid vegetation and minimize potential for erosion.
  - All trails within Vistoso Trails Nature Preserve shall be constructed of permeable material.
  - Public trail easements must be dedicated to the Town as part of the final plat. The Town of Oro Valley shall accept ownership of the public trails and be responsible for all maintenance of the public trails and trail easements post development.
- For residential developments, construction of all recreational amenities and public or private trails within the project limits must be completed by the time 35% of building permits are issued per Section 26.5 of the Zoning Code.

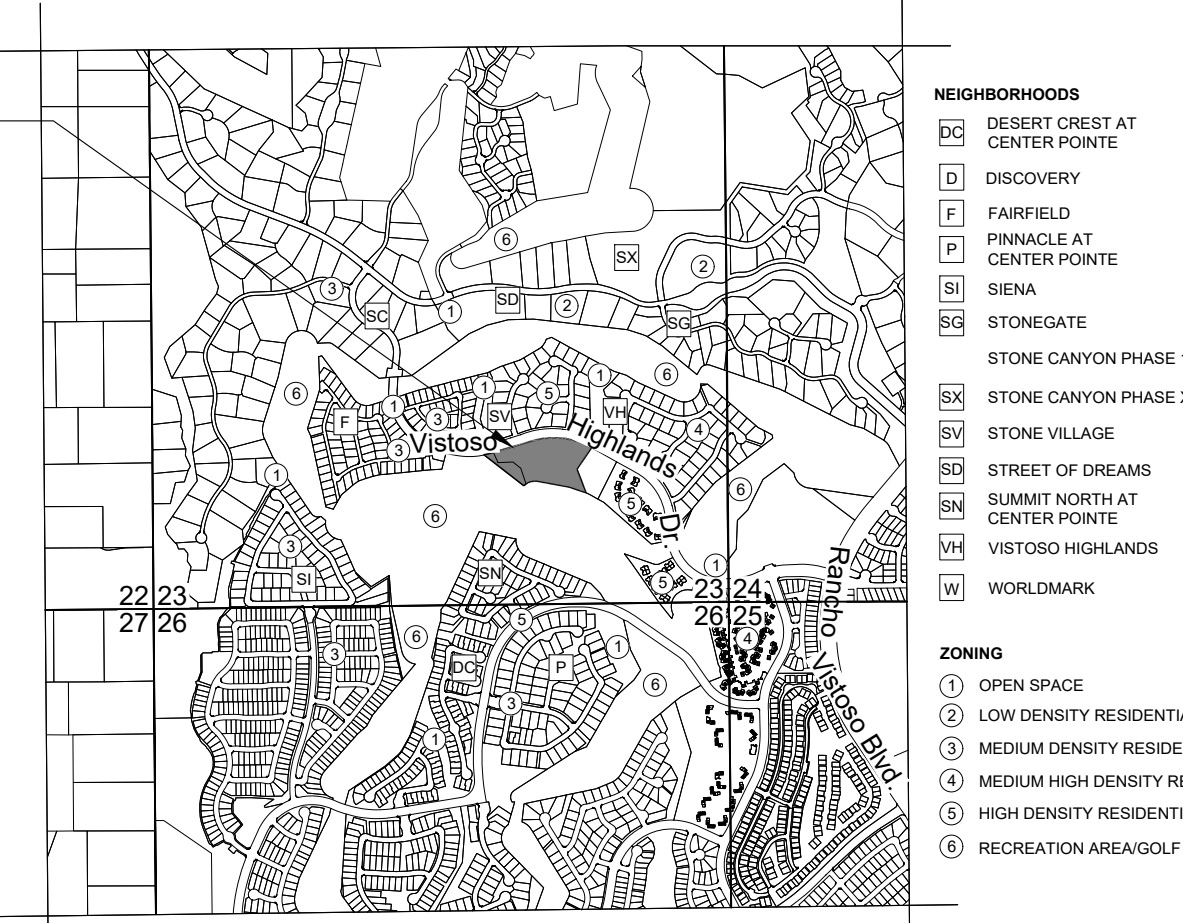
LANDSCAPE & NATIVE PLANT PACKAGE  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
CASE #2401047



LEGEND

- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezone Boundary
- Limits of Grading

THIS PROJECT



CTRL PTN W2 SE4 2.94 AC SEC 23-11-13;  
CTRL PTN SE4 6.07 AC SEC 23-11-13  
TOWN OF ORO VALLEY, ARIZONA

LOCATION MAP

SCALE: 3" = 1 MILE

SHEET INDEX:

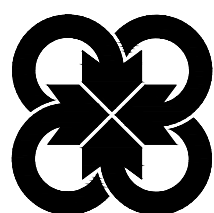
COVER	THIS SHEET
EXISTING CONDITIONS	EC-1
LANDSCAPE PLAN	LS-1
LANDSCAPE PLAN	LS-2
LANDSCAPE PLAN	LS-3
LANDSCAPE NOTES	LS-4
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IRRIGATION DETAILS	ID-1
RAINWATER HARVESTING COVER	RWH-0
RAINWATER HARVESTING PLAN	RWH-1
RAINWATER HARVESTING PLAN	RWH-2
RAINWATER HARVESTING PLAN	RWH-3

SUBMITTAL HISTORY:

1ST SUBMITTAL	03/29/24	TOWN OF ORO VALLEY
2ND SUBMITTAL	07/19/24	TOWN OF ORO VALLEY
3RD SUBMITTAL	12/20/24	TOWN OF ORO VALLEY

PLANNING & ZONING ADMINISTRATOR

DATE



THE PLANNING CENTER  
a division of TPC Group, Inc.

2 e congress ste 600 tucson az 85701 520.623.6146 520.622.1950 azplanningcenter.com

PROJECT: CCD-15

DATE: 12/20/24

DRAWN BY: KDP

CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

ENGINEER:  
RICK ENGINEERING COMPANY  
3945 E. FORT LOWELL RD., SUITE 111  
TUCSON, AZ 85712  
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khall@rickengineering.com

ARCHITECT:  
a23 STUDIOS  
711 EAST 9TH STREET  
TUCSON, AZ 85718  
ATTN: MR. BURAK BEKAT  
PH: (520) 903-2323  
E: info@a23studios.com

OWNER/DEVELOPER:  
OV 132, LLC  
6340 N. CAMPBELL AV., SUITE 170  
TUCSON, AZ 85718  
ATTN: ROSS RULNEY  
PH: (520) 850-9300  
E: rossrulney@gmail.com

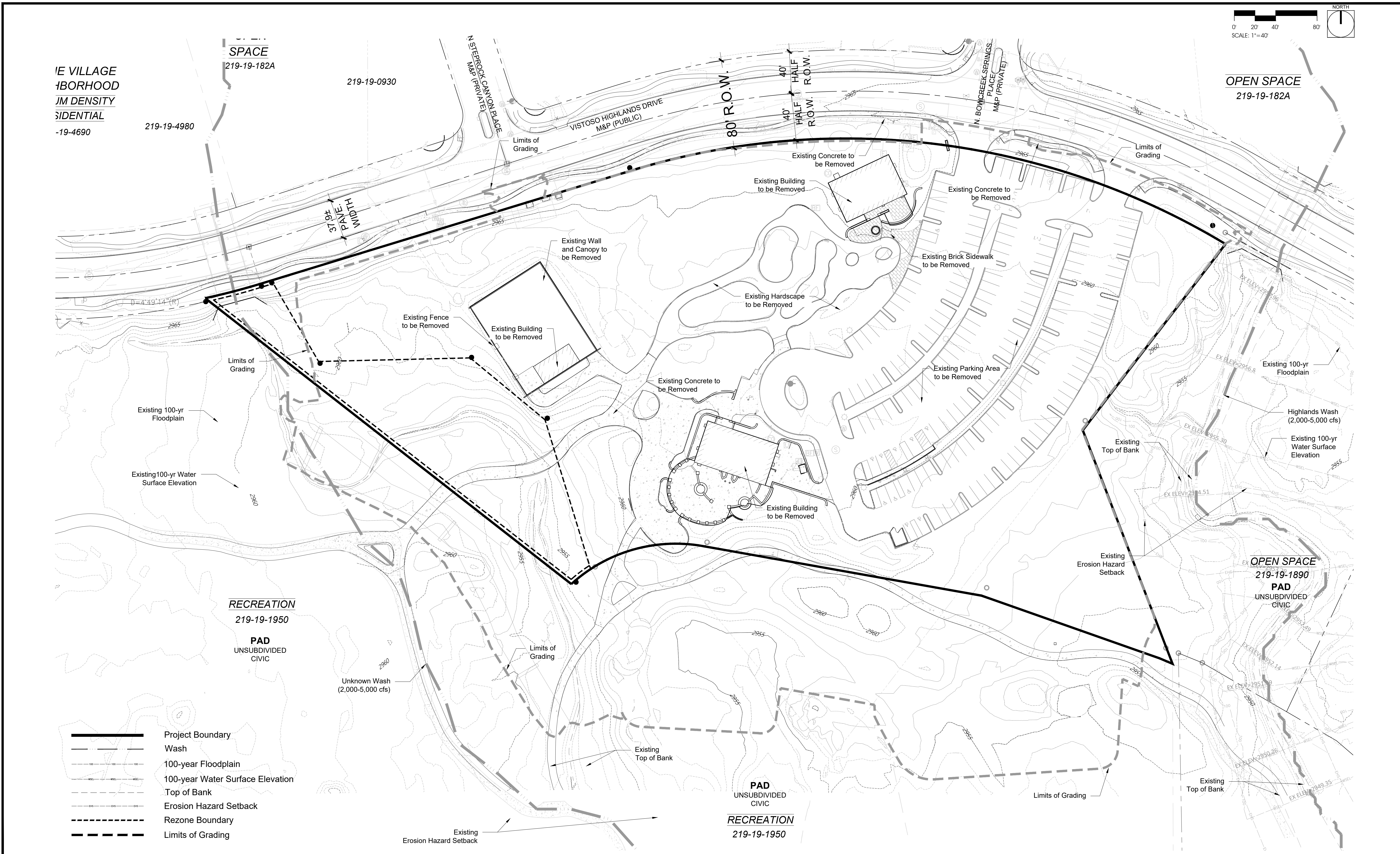


LANDSCAPE & NATIVE PLANT PACKAGE  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

CASE NO: CASE #2401047  
REFERENCE: 2203155, 2301138, 2301232  
COVER 1 OF 45

GRADING PERMIT #2401047







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**EXISTING CONDITIONS**



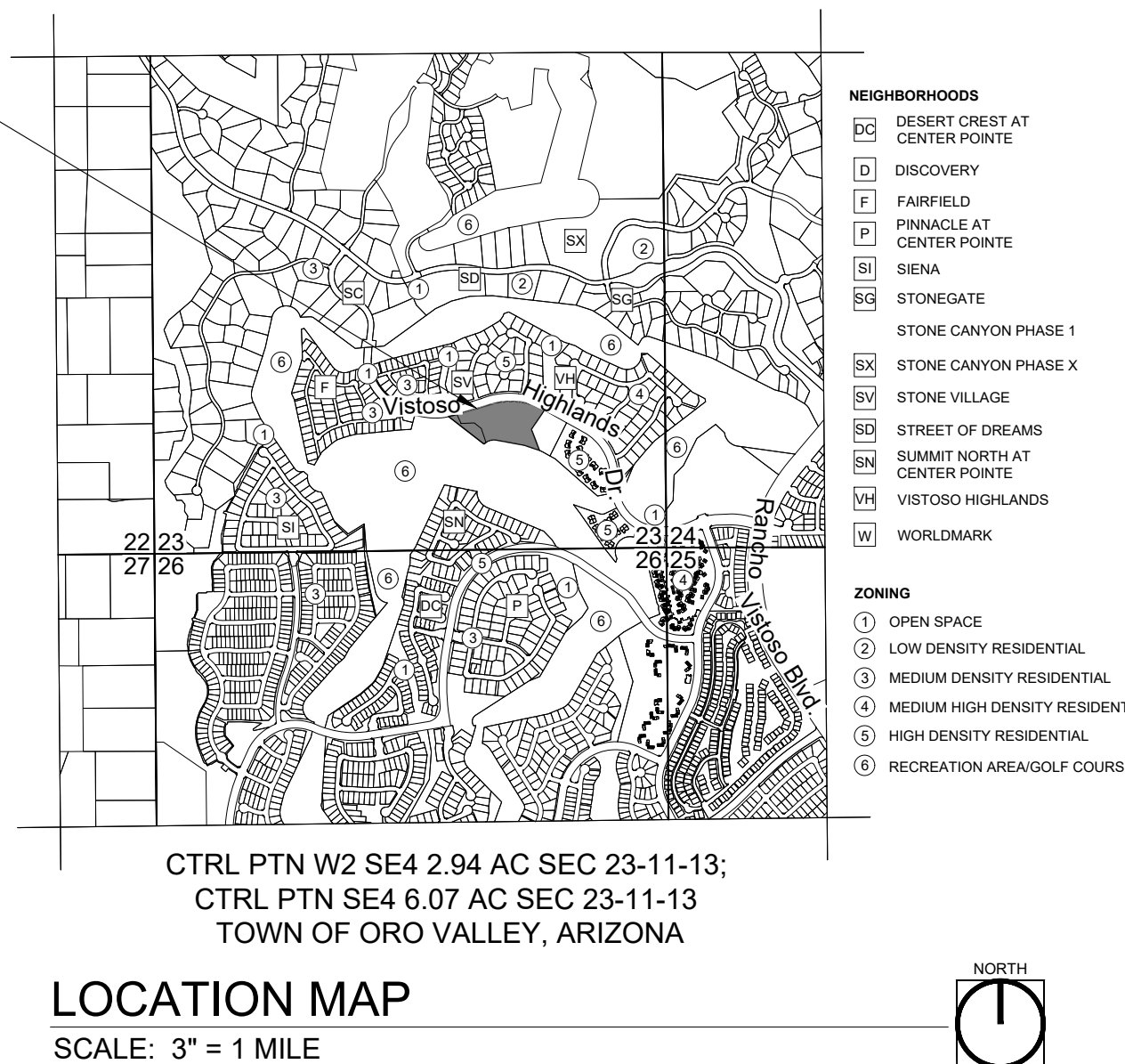
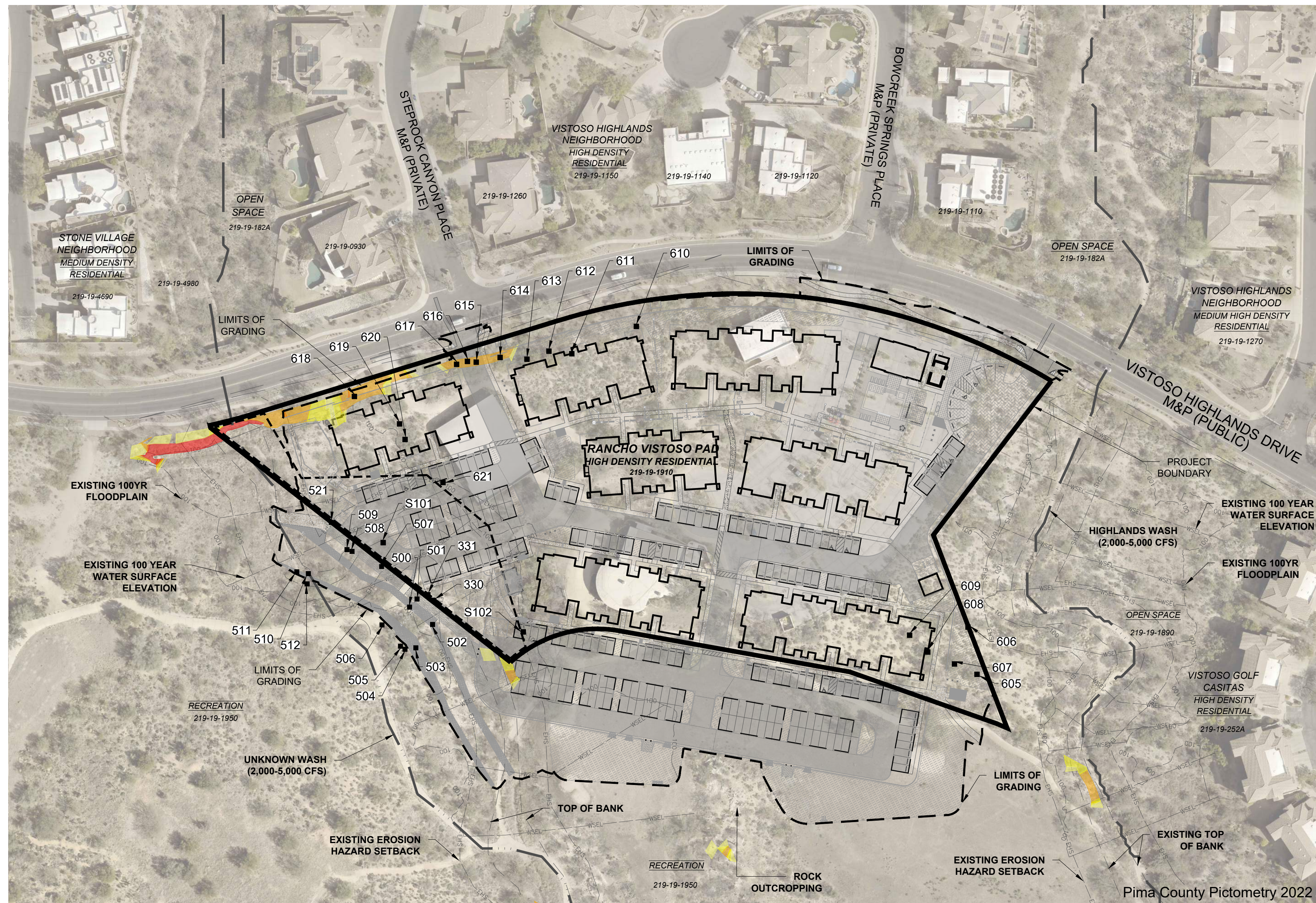
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CASE NO: CASE #2401047  
REFERENCE: 2203155, 2301138, 2301232  
EC-1  
2 OF 45

ALL PROJECTS (CCD-15) AUTOMATICALLY WORKING DRAWINGS (CCD-15) (LNG, ECZ, DMG, 12/19/2024, 11:31 AM, KENDRA POTTER)  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR IN PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS SHALL REMAIN WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT JUST COMPENSATION AND PERMISSION FROM THE PLANNING CENTER.  
**GRADING PERMIT #2401047**



1. Gross area of development in acres: 9.31 AC (including 2.52 AC offsite work)
2. Total acres of graded area: 9.31 AC
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4. List the tag colors representing plants scheduled to be:  
WHITE: Preserved in Place  
BLUE: Transplanted on-site  
YELLOW: Removed from site
5. Any spaded or boxed tree transplanted on site that dies due to neglect or lack of maintenance shall be replaced with the same size and species of the original salvaged tree, as required by the salvage plan.
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7. Salvage of operations shall not commence until the Zoning inspector has performed an inspection and given approval to be salvaged.
8. Temporary nursery shall be in conformance with Section 7.6.B.4.j.
9. Mitigation of Significant Vegetation shall be in accordance with Table 27-1 Mitigation of Significant Vegetation.
10. Any plant that meets the salvage criteria in Section 27.6.B.4 shall be preserved in place or transplanted on-site. Any plants that meet the salvage criteria that are destroyed shall be replaced on a one-to-one ratio of the same species and size as that destroyed. Five understory plants from the supplemental Arizona Department of Water Quality native plant list will be planted for every mitigated tree.
11. The limits of grading shall be staked in the field, in accordance with Section 27.6.B.7.c.ii Disturbance outside the approved grading limits shall not be permitted.
12. Significant Vegetation Information:  
Total amount present on-site (square feet): 3,518 SF  
Total amount being disturbed (square feet): 3,518 SF  
Total percentage disturbed: 100%








COVER THIS SHEET  
SITE RESOURCE INVENTORY SR-1

1ST SUBMITTAL	03/29/24	TOWN OF ORO VALLEY
2ND SUBMITTAL	07/19/24	TOWN OF ORO VALLEY
3RD SUBMITTAL	12/20/24	TOWN OF ORO VALLEY

Number Removed	Botanical Name	Common Name	Mitigation Ratio	Replacement Plants	Understory Required*	
				Qty		
3	ACACIA GREGGII	CATCLAW ACACIA	2:1	48" Box	3	15
				36"Box	3	
1	CERCIDIUM FLORIDUM	BLUE PALO VERDE	2:1	48" Box	1	5
				36"Box	1	
16	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	2:1	48" Box	16	80
				36"Box	16	
10	PROSOPIS VELUTINA	VELVET MESQUITE	2:1	48" Box	10	50
				36"Box	10	
			Total		60	150
	*Required Understory: 5 understory plants per tree mitigated					


Project Boundary  
 Wash  
 100-year Floodplain  
 100-year Water Surface Elevation  
 Top of Bank  
 Erosion Hazard Setback  
 Rezone Boundary  
 Limits of Grading  
 101  
 Inventoried Significant Vegetation

	Slope 15% to less than 18%
	Slope 18% to less than 20%
	Slope 20% to less than 25%
	Slope 25% to less than 33%
	Slope 33% or Greater

PLANNING & ZONING ADMINISTRATOR	DATE
---------------------------------	------



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB



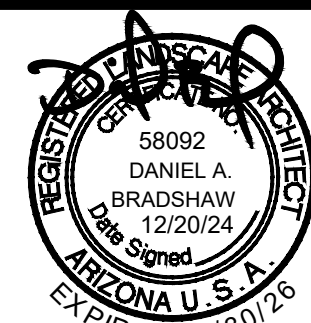
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[illegible]

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3945 E. FORT LOWELL RD., SUITE 11  
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PH: (520) 795-1000  
khall@rickengineering.com

ARCHITECT:  
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TUCSON, AZ 85719  
ATTN: MR. BURAK BEKAT  
PH: (520) 903-2323  
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OWNER/DEVELOPER:  
OV 132, LLC  
6340 N. CAMPBELL AV., SUITE 170  
TUCSON, AZ 85718  
ATTN: ROSS RULNEY  
PH: (520) 850-9300  
E: [rossrulney@gmail.com](mailto:rossrulney@gmail.com)



SITE RESOURCE INVENTORY  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
SR-O  
3 OF 45

THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE PLAN WHICH THEY WERE PREPARED AND SUBMITTED. REPRODUCTION OR REUSE BY ANY METHOD, IN WHOLE OR IN PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS REMAIN WITH THE LANDSCAPE ARCHITECT. THE DRAWINGS OR ANY PART THEREOF SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT COMPENSATION AND PERMISSION FROM THE PLANNING CENTER.

GRADING PERMIT #2401047



SRI NOTES:

1.

The extents of this SRI include APNs: 219-19-1910; APN 219-19-1840; and APN 219-19-1950.
2.

There are no Distinct Native Plant Stands on-site.
3.

This aerial photo is less than two years old.
4.

The site features a combination of constructed and native landscape. Areas of constructed landscape are excluded from this inventory.
5.

Native Plant species present include: Whitethorn Acacia (Acacia constricta,) Catclaw Acacia (Acacia greggii,) Saguaros (Carnegia gigantea,) Desert Hackberry (Celtis pallida,) Blue Palo Verde (Cercidium Floridum,) Foothills Palo Verde Trees (Cercidium microphyllum,) Fishhook Barrel Cactus (Ferocactus wislizenii,) Ocotillo (Fouquieria splendens,) Ironwood Trees (Olneya Tesota,) Velvet Mesquite Trees (Prosopis velutina.)
6.

The significant species are identified on the map.

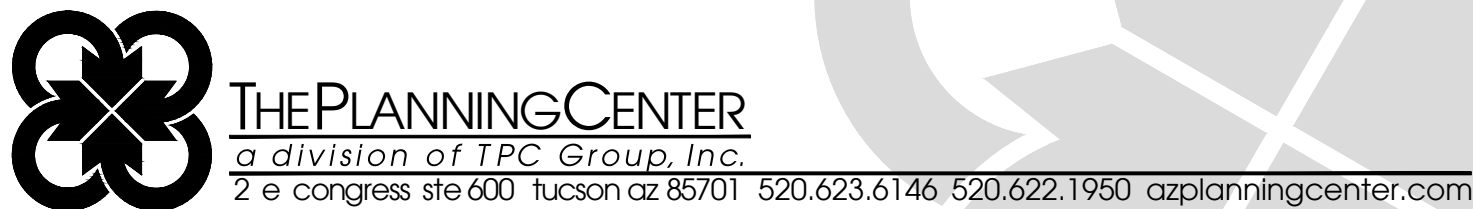
SIGNIFICANT VEGETATION INVENTORY

ID #	BOTANICAL NAME	COMMON NAME	HEIGHT(FT)	CALIPER(IN)	TAG	TREATMENT	REASONS	
330	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	16	30	BLUE	TOS	MISTLETOE	DIEBACK
331	PROSOPIS VELUTINA	VELVET MESQUITE	18	22	BLUE	TOS		
500	PROSOPIS VELUTINA	VELVET MESQUITE	16	20	YELLOW	RFS		
501	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	35	BLUE	TOS		
502	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS		
503	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS		
504	PROSOPIS VELUTINA	VELVET MESQUITE	19	15	BLUE	TOS		
505	PROSOPIS VELUTINA	VELVET MESQUITE	19	15	YELLOW	RFS		
506	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	19	19	BLUE	TOS		
507	PROSOPIS VELUTINA	VELVET MESQUITE	13	20	YELLOW	RFS		
508	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS		
509	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	13	15	YELLOW	RFS		
510	PROSOPIS VELUTINA	VELVET MESQUITE	20	19	YELLOW	RFS		
511	PROSOPIS VELUTINA	VELVET MESQUITE	20	19	YELLOW	RFS		
512	PROSOPIS VELUTINA	VELVET MESQUITE	16	13	YELLOW	RFS		
521	PROSOPIS VELUTINA	VELVET MESQUITE	15	12	YELLOW	RFS	DIEBACK	
605	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	12	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
606	PROSOPIS VELUTINA	VELVET MESQUITE	12	12	YELLOW	RFS	DIEBACK	DEAD TRUNK
607	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
608	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
609	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	16	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
610	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
611	ACACIA GREGGII	CATCLAW ACACIA	15	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
612	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	16	15	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
613	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	17	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
614	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
615	ACACIA GREGGII	CATCLAW ACACIA	16	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
616	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
617	CERCIDIUM FLORIDUM	BLUE PALO VERDE	16	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
618	PROSOPIS VELUTINA	VELVET MESQUITE	19	17	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
619	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
620	ACACIA GREGGII	CATCLAW ACACIA	18	15	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
621	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
S101	PROSOPIS VELUTINA	VELVET MESQUITE	12	14	YELLOW	RFS	DIEBACK	PRIMARY BRANCH DEAD
S102	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	18	30	YELLOW	RFS	DIEBACK	BAD BASE

NOTE: A SIGNIFICANT VEGETATION ID# PREFIXED WITH "S" IS A TAG DISTINGUISHING A PLANT FROM ONE ON THE NATIVE PLANT INVENTORY WITH A SIMILAR ID#.

TREATMENT LEGEND

PIP: Preserved in Place (White Tag)  
TOS: Transplanted on-site (Blue Tag)  
RFS: Removed from site (Yellow Tag)



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB

CALL TWO WORKING DAYS BEFORE YOU DIG  
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(OUTSIDE MARICOPA COUNTY)

#	REVISIONS/SUBMITTALS	DATE

SITE RESOURCE INVENTORY

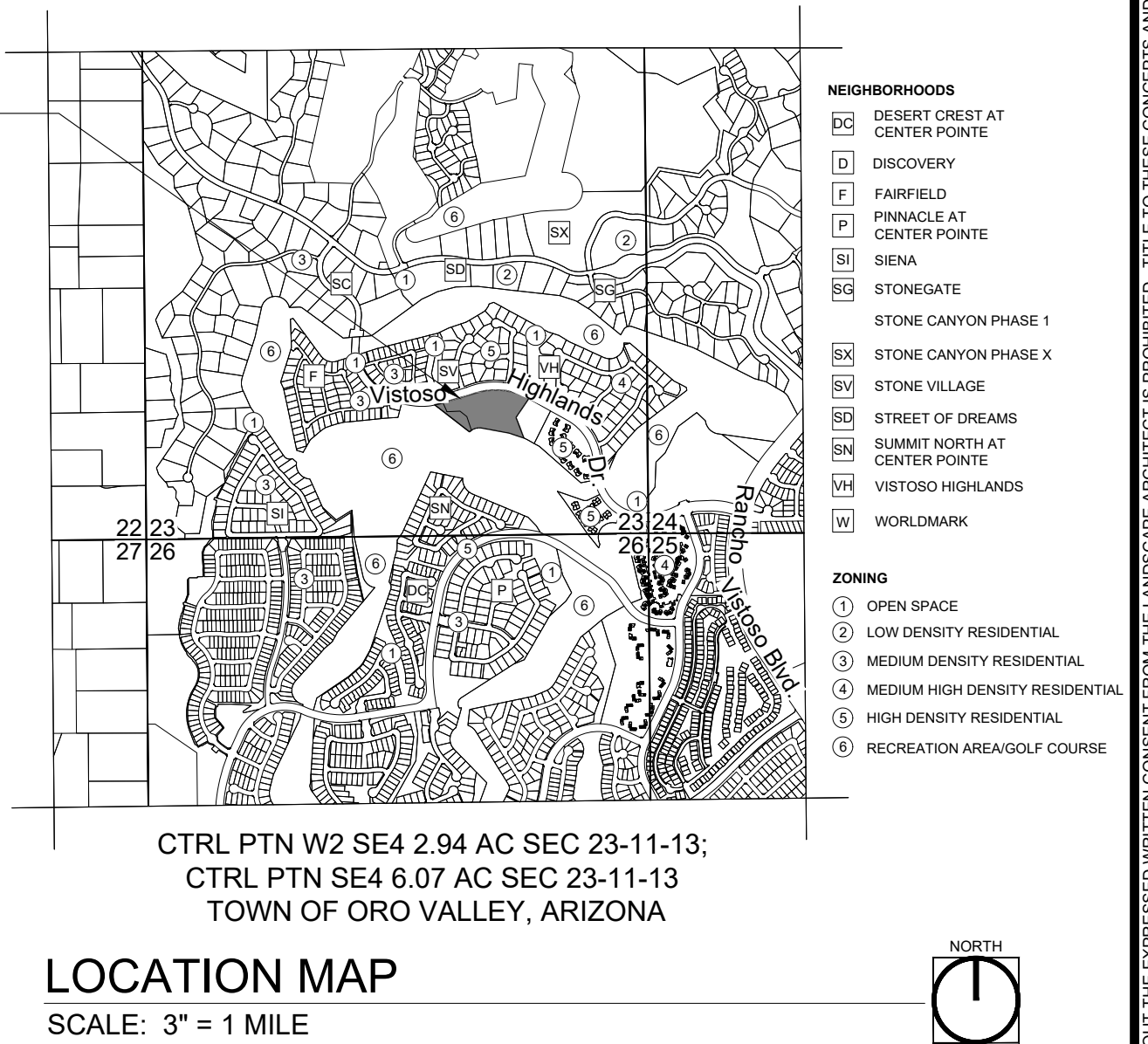
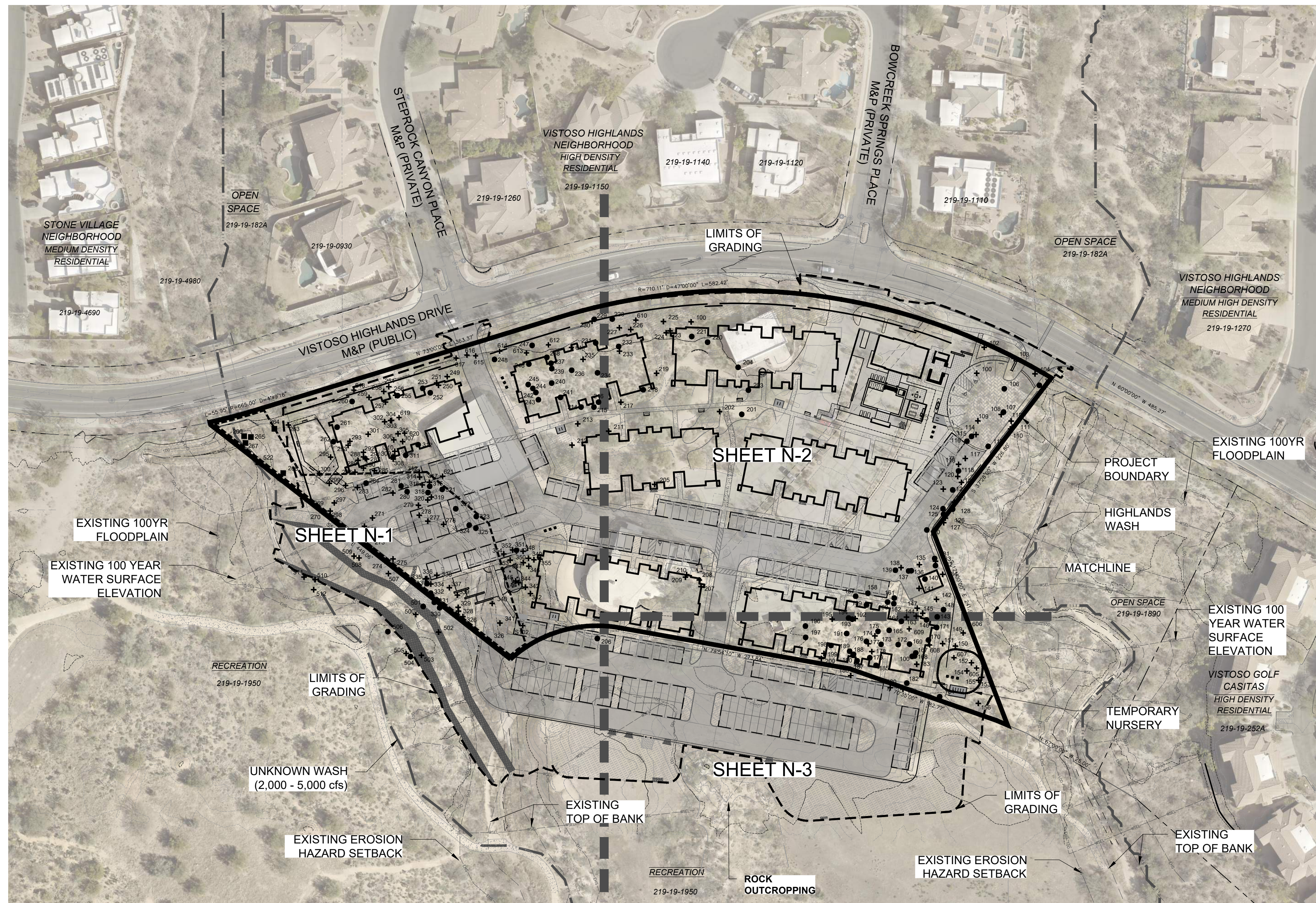


SITE RESOURCE INVENTORY  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
  
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2203155,  
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4 OF 45



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9. Mitigation of Significant Vegetation shall be in accordance with Table 27-1 Mitigation of Significant Vegetation.
10. Any plant that meets the salvage criteria in Section 27.6.B.4 shall be preserved in place or transplanted on-site. Any plants that meet the salvage criteria that are destroyed shall be replaced on a one-to-one ratio of the same species and size as that destroyed. Five understory plants from the supplemental Arizona Department of Water Quality native plant list will be planted for every mitigated tree.
11. The limits of grading shall be staked in the field, in accordance with Section 27.6.B.7.c.ii Disturbance outside the approved grading limits shall not be permitted.
12. Significant Vegetation Information:  
Total amount present on-site (square feet): 3,518 SF  
Total amount being disturbed (square feet): 3,518 SF  
Total percentage disturbed: 100%



COVER	THIS SHEET
NATIVE PLANT PRESERVATION PLAN	N-1
NATIVE PLANT PRESERVATION PLAN	N-2
NATIVE PLANT PRESERVATION PLAN	N-3
NATIVE PLANT PRESERVATION PLAN NOTES	N-4
NATIVE PLANT INVENTORY	N-5
NATIVE PLANT INVENTORY	N-6
NATIVE PLANT INVENTORY	N-7

1ST SUBMITTAL	03/29/24	TOWN OF ORO VALLEY
2ND SUBMITTAL	07/19/24	TOWN OF ORO VALLEY
3RD SUBMITTAL	12/20/24	TOWN OF ORO VALLEY

Botanical Name	Common Name	Transplant	Remove from Site	Preserve in Place	Total per Plant
ACACIA CONTRACTA	WHITETHORN ACACIA	1	8	1	10
ACACIA GREGGII	CATCLAW ACACIA	1	19	2	22
CARNEGIEA GIGANTEA	SAGUARO	14	1	0	15
CELTIS PALLIDA	DESERT HACKBERRY	1	4	0	5
CERCIDIUM FLORIDUM	BLUE PALO VERDE	1	1	1	3
CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	76	1	92
FEROCACTUS WISLIZENII	FISHHOOK BARREL	53	29	0	82
FOUQUIERIA SPLENDENS	OCOTILLO	15	2	0	17
OLNEYA TESOTA	IRONWOOD	2	7	0	9
PROSOPIS VELUTINA	VELVET MESQUITE	4	21	5	30
YUCCA ELATA	SOAPTREE YUCCA	1	0	0	1
ZIZIPHUS OBTUSIFOLIA	GRAYTHORN	0	3	0	3
Total		108	171	10	289


Number Removed	Botanical Name	Common Name	Mitigation Ratio	Replacement Plants	Understory Required*	
				Qty		
3	ACACIA GREGGII	CATCLAW ACACIA	2:1	48" Box	3	15
				36"Box	3	
1	CERCIDIUM FLORIDUM	BLUE PALO VERDE	2:1	48" Box	1	5
				36"Box	1	
16	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	2:1	48" Box	16	80
				36"Box	16	
10	PROSOPIS VELUTINA	VELVET MESQUITE	2:1	48" Box	10	50
				36"Box	10	
			<b>Total</b>		60	150
*Required Understory: 5 understory plants per tree mitigated						

Project Boundary  
 Wash  
 100-year Floodplain  
 100-year Water Surface Elevation  
 Top of Bank  
 Erosion Hazard Setback  
 Rezone Boundary  
 Limits of Grading  
 Temporary Plant Nursery  
 Plant Preserved in Place  
 Transplant on Site  
 Remove from Site  
 2' Contour Interval

PLANNING & ZONING ADMINISTRATOR	DATE
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PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB



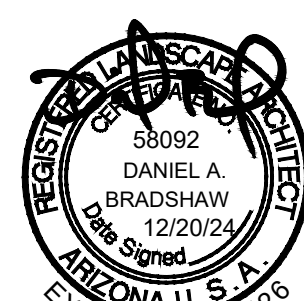
CALL TWO WORKING  
DAYS BEFORE YOU DIG  
602-263-1100  
1-800-STAKE-IT  
(OUTSIDE  
MARICOPA COUNTY)

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ENGINEER:  
RICK ENGINEERING COMPANY  
3945 E. FORT LOWELL RD., SUITE 111  
TUCSON, AZ 85712  
ATTN: KEVIN HALL  
PH: (520) 795-1000  
khall@rickengineering.com

ARCHITECT:  
a23 STUDIOS  
711 EAST 9TH STREET  
TUCSON, AZ 85719  
ATTN: MR. BURAK BEKAT  
PH: (520) 903-2323  
E: info@a23studios.com

OWNER/DEVELOPER:  
OV 132, LLC  
6340 N. CAMPBELL AV., SUITE 170  
TUCSON, AZ 85718  
ATTN: ROSS RULNEY  
PH: (520) 850-9300  
E: [rossrulney@gmail.com](mailto:rossrulney@gmail.com)

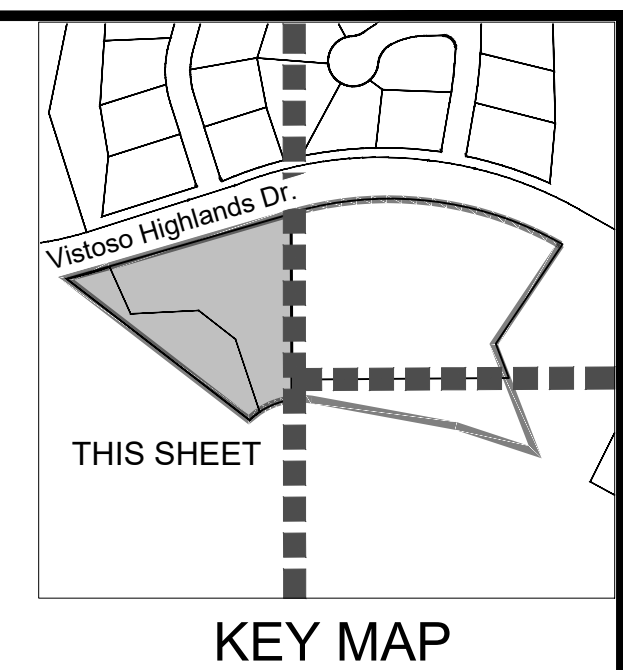
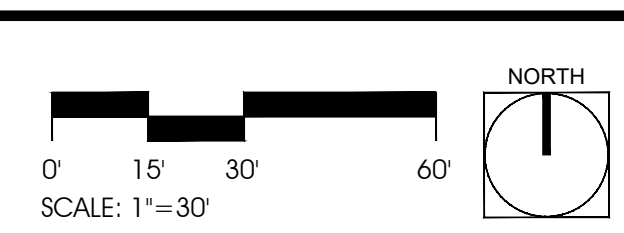
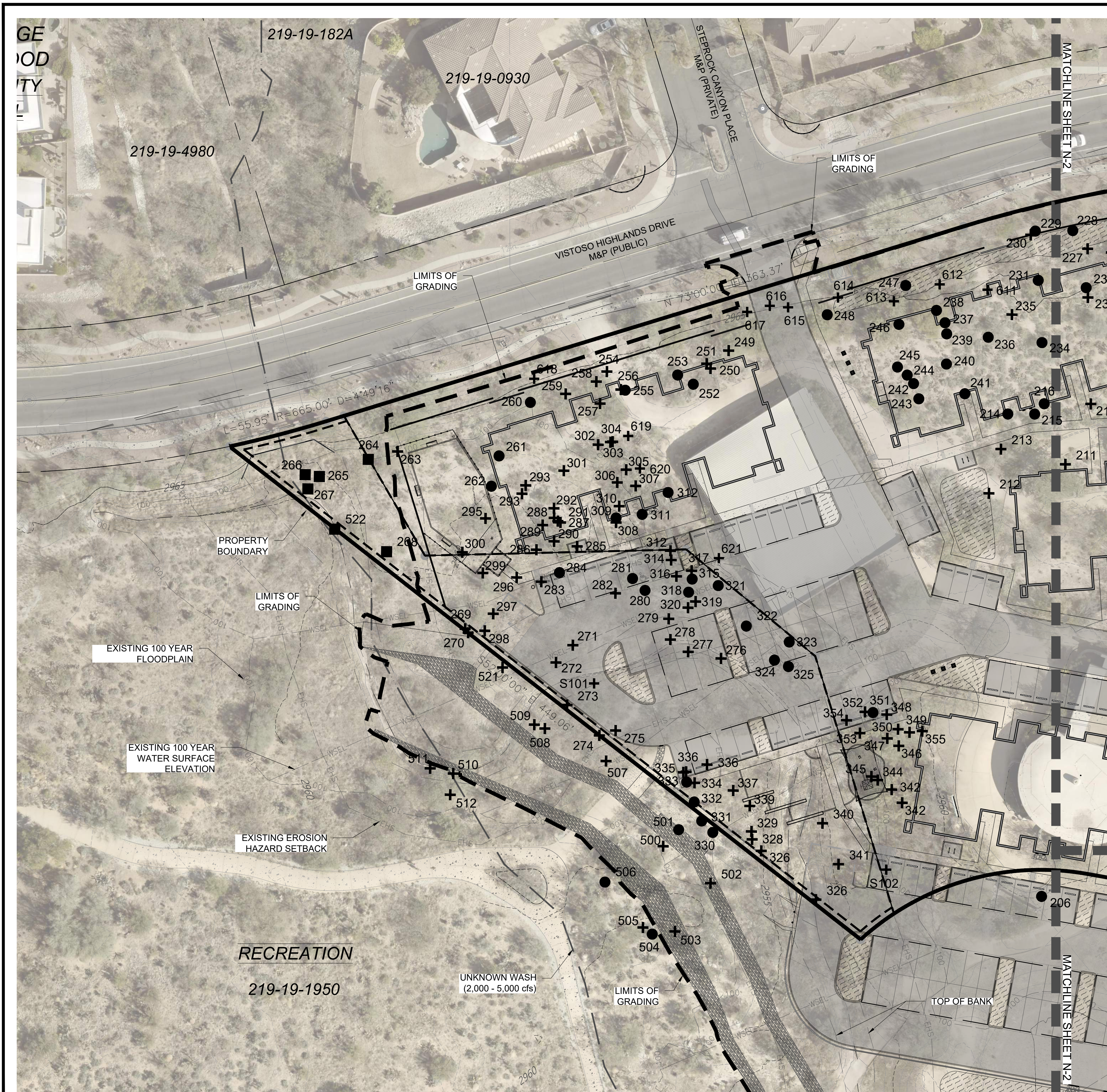


NATIVE PLANT PRESERVATION  
PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
N-0  
5 OF 45


THE PROJECTS (CCD-15) AUTOCAD WORKING DRAWINGS (CCD-15, NPD/DWG. 12/19/2016, 11:31 AM, KENDRA POTTER) IN THE PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE PLAN. IF THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE PLANNING CENTER, IS PROHIBITED. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT JUST COMPENSATION AND PERMISSION FROM THE PLANNING CENTER. REMAIN WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THESE RESTRICTIONS.



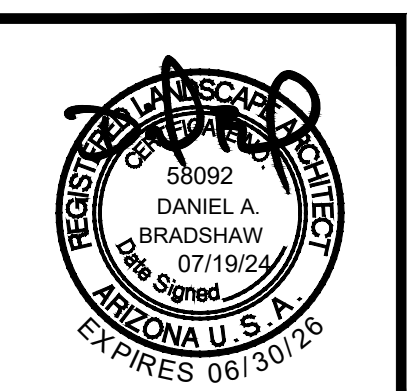


- LEGEND**
- Project Boundary
  - Wash
  - 100-year Floodplain
  - 100-year Water Surface Elevation
  - Top of Bank
  - Erosion Hazard Setback
  - Rezone Boundary
  - Limits of Grading
  - Temporary Plant Nursery
  - Plant Preserved in Place
  - Transplant on Site
  - Remove from Site
  - 2' Contour Interval

 **THE PLANNING CENTER**  
a division of TPC Group, Inc.  
2 e congress ste 600 tucson az 85701 520.623.6146 520.622.1950 azplanningcenter.com

PROJECT: CCD-15		 CALL TWO WORKING DAYS BEFORE YOU DIG 602-263-1100 1-800-STAKE-IT (OUTSIDE MARICOPA COUNTY)	#		REVISIONS/SUBMITTALS	DATE
DATE: 12/20/24						
DRAWN BY: KDP						
CHECKED BY: DB						

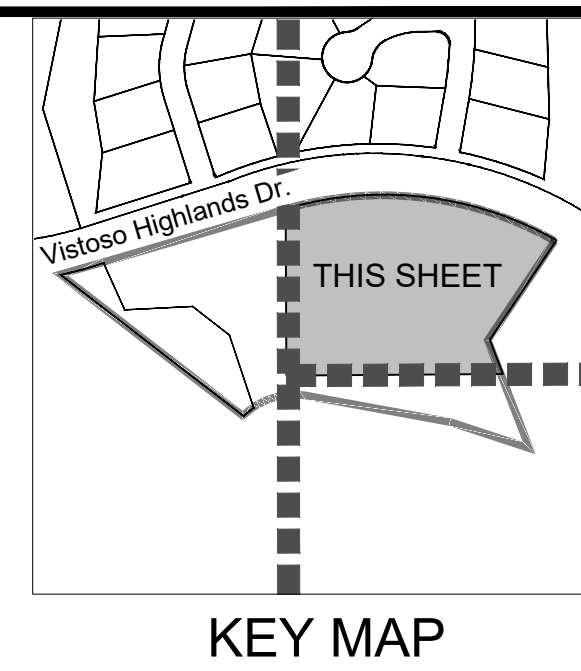
# NATIVE PLANT PRESERVATION PLAN
















NATIVE PLANT PRESERVATION PLAN  GATEWAY AT VISTOSO PRESERVE CONSTRUCTION DRAWINGS  A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA	CASE NO: CASE #2401047 REFERENCE: 2203155, 2301138, 2301232  N-1 6 OF 45
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ALL PROJECTS (CCD-15) AUTOCAD WORKING DRAWINGS (CCD-15, NPD, DWG, 12/19/2024, 11:31 AM, KENDRA POTTER)  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS REMAINS WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT JUST COMPENSATION AND PERMISSION FROM THE PLANNING CENTER.  
**GRADING PERMIT #2401047**






**LEGEND**

-  Project Boundary
-  Wash
-  100-year Floodplain
-  100-year Water Surface Elevation
-  Top of Bank
-  Erosion Hazard Setback
-  Rezone Boundary
-  Limits of Grading
-  Temporary Plant Nursery
-  Plant Preserved in Place
-  Transplant on Site
-  Remove from Site
-  2' Contour Interval



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
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 CALL TWO WORKING  
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(OUTSIDE  
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## NATIVE PLANT PRESERVATION PLAN

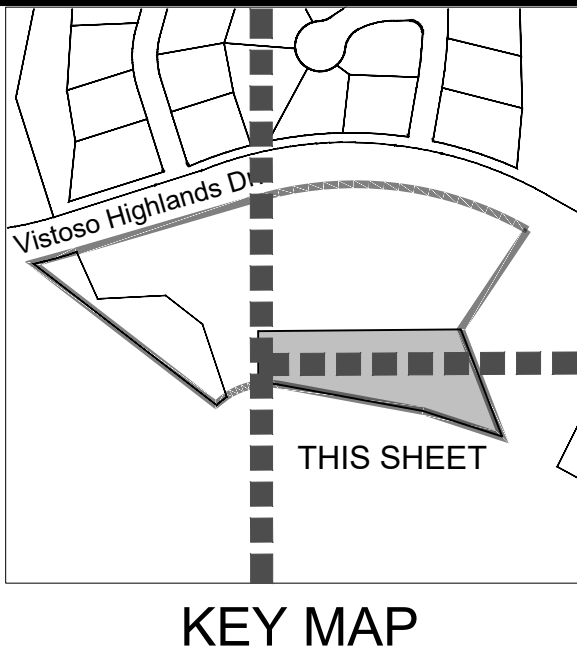
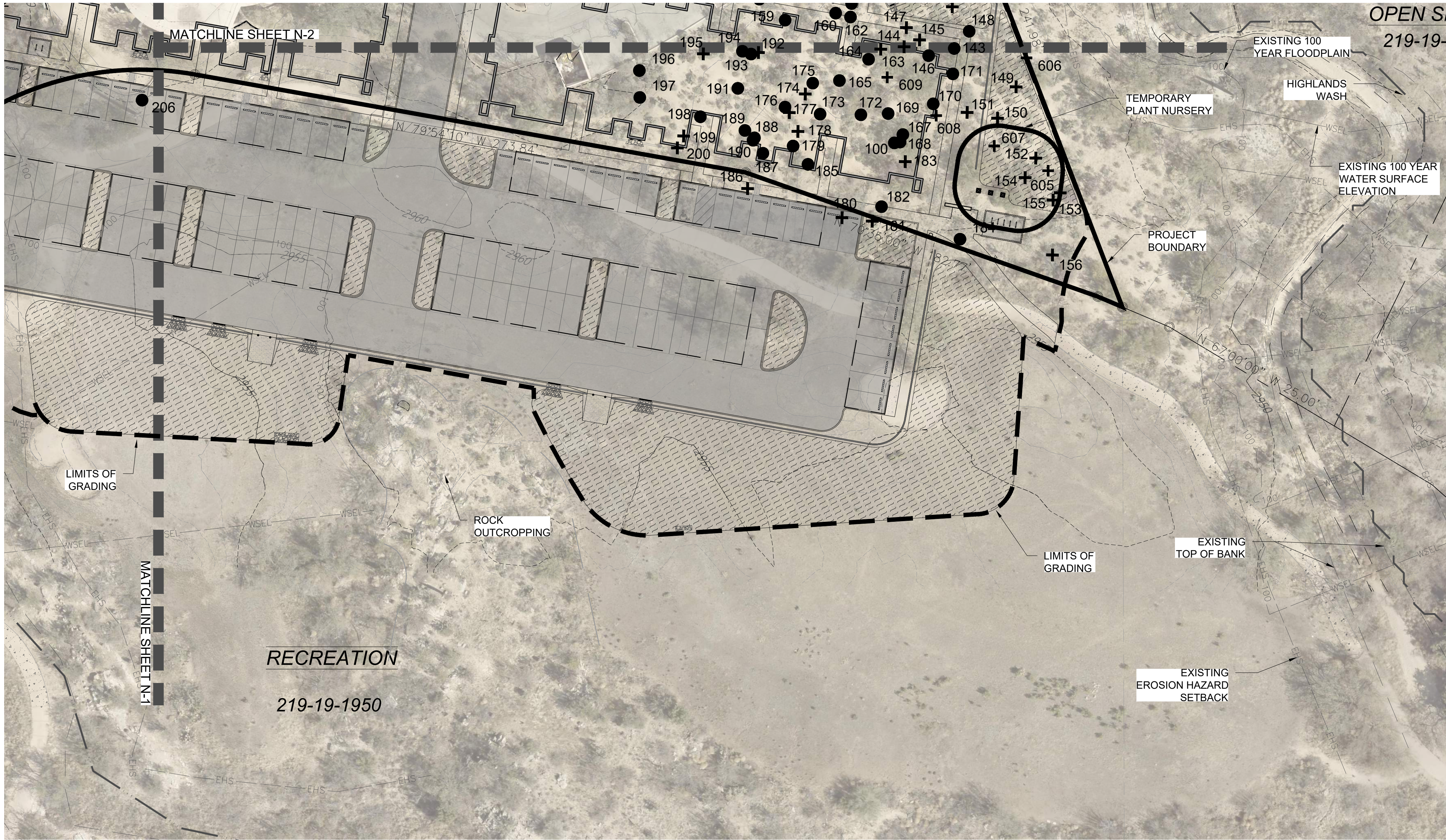


NATIVE PLANT PRESERVATION  
PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
N-2  
7 OF 45

GRADING PERMIT #2401047





- LEGEND**
- Project Boundary
  - Wash
  - 100-year Floodplain
  - 100-year Water Surface Elevation
  - Top of Bank
  - Erosion Hazard Setback
  - Rezone Boundary
  - Limits of Grading
  - Temporary Plant Nursery
  - Plant Preserved in Place
  - Transplant on Site
  - Remove from Site
  - 2' Contour Interval

#	REVISIONS/SUBMITTALS	DATE

## NATIVE PLANT PRESERVATION PLAN





1. MITIGATION MEASURES AND PROCEDURES

ALL SPECIES THAT ARE IDENTIFIED AS SALVAGEABLE WILL BE SALVAGED DURING THE COURSE OF THIS PROJECT AND UTILIZED ON SITE. THE PREFERRED METHOD OF TREE SALVAGE IS THE SPADE SALVAGE TECHNIQUE TO BE USED FOR THIS PROJECT.

ALL TREES WHOSE CALIPER IS LESS THAN 6 INCHES MAY BE SALVAGED WITH A TREE SPADE. THIS ASSUMES THAT AN 60 INCH SPADE WILL BE USED FOR THE OPERATION AND THAT SOIL CONDITIONS ON THE SITE ARE AMENABLE TO SPADING. SPECIES SALVAGED WITH THE SPADE WILL BE MOVED ONLY ONE TIME - TO THEIR FINAL PLANTING LOCATION. THIS WILL REQUIRE CAREFUL COORDINATION BETWEEN THE PROJECT MANAGER, GRADING CONTRACTOR AND SPADE CONTRACTOR. THIS INCREASED EFFORT IS WARRANTED BY SIGNIFICANT COST SAVINGS OF A ONE MOVE SPADE OPERATION AND INCREASED SURVIVAL RATES ASSOCIATED WITH MOVING TREES ONLY ONCE WITH A SPADE AS OPPOSED TO MOVING THEM TWICE - ONCE TO A TEMPORARY HOLDING YARD AND THEN A SECOND TIME TO THE FINAL PLANTED LOCATION.

ALL SALVAGED SPECIES WILL BE PROVIDED WITH TEMPORARY IRRIGATION AT THE HOLDING NURSERY AND PERMANENT IRRIGATION WHEN TRANSPLANTED TO THEIR FINAL LOCATION. AREAS WHERE SALVAGED SPECIES WILL BE TRANSPLANTED INCLUDE LANDSCAPED BUFFERYARDS, ENTRY MONUMENTATION, AND OTHER HIGHLY VISIBLE LANDSCAPED AREA. SALVAGE CONTRACTORS WILL BE RESPONSIBLE FOR GUARANTEEING ALL SALVAGED PLANT MATERIAL FOR A MINIMUM OF ONE YEAR IN THE HOLDING NURSERY AND FOR 90 DAYS ONCE TRANSPLANTED.

ALL SPADED OR BOXED TREE TRANSPLANTED ON SITE THAT DIES DUE TO NEGLECT OR LACK OF MAINTENANCE SHALL BE REPLACED WITH THE SAME SIZE AND SPECIES OF THE ORIGINAL SALVAGED TREE, AS REQUIRED BY THE SALVAGE PLAN.

2. PRUNING

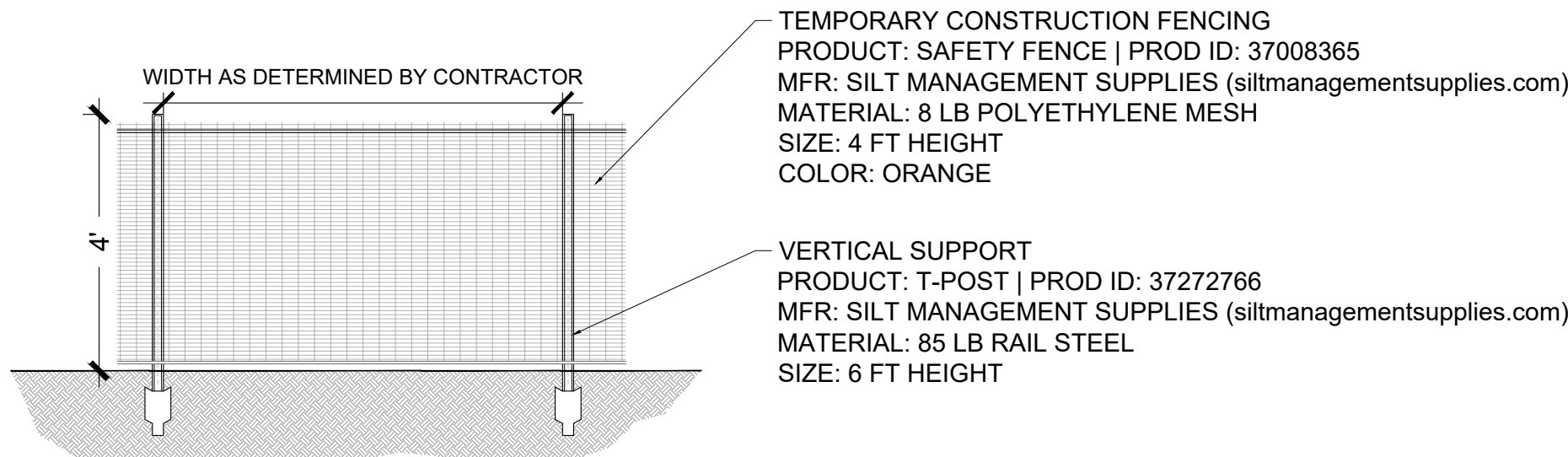
LIMIT PRUNING TO LESS THAN 15% OF THE TOTAL TREE CANOPY. THE OBJECTIVE IS TO PROVIDE AN AESTHETIC FRAMEWORK OF BRANCHES THAT PRESERVES THE ORIGINAL NATURAL FEATURES OF THE TREE BEING SALVAGED. RESTRICT PRUNING TO THE SMALLEST POSSIBLE CUT JUST OUTSIDE OF THE BRANCH COLLAR. DO NOT PRUNE INTERIOR FOLIAGE. USE CLEAN TOOLS ONLY. PRUNE OUT ALL DEAD WOOD AND MISTLETOE.

3. IRRIGATION OF SALVAGED PLANTS

IRRIGATION IN THE TEMPORARY HOLDING AREA WILL BE BY PVC / POLYETHYLENE DRIP SYSTEM CONFORMING TO PIMA COUNTY CODE. WITH A MANUAL OR AUTOMATIC CONTROL VALVE. THE SYSTEM WILL LATER BE ABANDONED / REMOVED.

SIGNIFICANT VEGETATION INVENTORY

ID #	BOTANICAL NAME	COMMON NAME	HEIGHT(FT)	CALIPER(IN)	TAG	TREATMENT	REASONS	
330	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	16	30	BLUE	TOS	MISTLETOE	DIEBACK
331	PROSOPIS VELUTINA	VELVET MESQUITE	18	22	BLUE	TOS		
500	PROSOPIS VELUTINA	VELVET MESQUITE	16	20	YELLOW	RFS		
501	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	35	BLUE	TOS		
502	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS		
503	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS		
504	PROSOPIS VELUTINA	VELVET MESQUITE	19	15	BLUE	TOS		
505	PROSOPIS VELUTINA	VELVET MESQUITE	19	15	YELLOW	RFS		
506	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	19	19	BLUE	TOS		
507	PROSOPIS VELUTINA	VELVET MESQUITE	13	20	YELLOW	RFS		
508	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS		
509	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	13	15	YELLOW	RFS		
510	PROSOPIS VELUTINA	VELVET MESQUITE	20	19	YELLOW	RFS		
511	PROSOPIS VELUTINA	VELVET MESQUITE	20	19	YELLOW	RFS		
512	PROSOPIS VELUTINA	VELVET MESQUITE	16	13	YELLOW	RFS		
521	PROSOPIS VELUTINA	VELVET MESQUITE	15	12	YELLOW	RFS	DIEBACK	
605	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	12	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
606	PROSOPIS VELUTINA	VELVET MESQUITE	12	12	YELLOW	RFS	DIEBACK	DEAD TRUNK
607	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
608	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
609	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	16	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
610	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
611	ACACIA GREGGII	CATCLAW ACACIA	15	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
612	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	16	15	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
613	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	17	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
614	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
615	ACACIA GREGGII	CATCLAW ACACIA	16	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
616	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
617	CERCIDIUM FLORIDUM	BLUE PALO VERDE	16	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
618	PROSOPIS VELUTINA	VELVET MESQUITE	19	17	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
619	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	15	20	YELLOW	RFS	DEAD TRUNK	DEAD LIMB
620	ACACIA GREGGII	CATCLAW ACACIA	18	15	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
621	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	14	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
S101	PROSOPIS VELUTINA	VELVET MESQUITE	12	14	YELLOW	RFS	DIEBACK	PRIMARY BRANCH DEAD
S102	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	18	30	YELLOW	RFS	DIEBACK	BAD BASE



- NOTES:
1. TEMPORARY CONSTRUCTION FENCING TO BE PLACED AT LIMITS OF GRADING TO PROTECT EXISTING VEGETATION.
  2. NOTE: CONTRACTOR TO DETERMINE MATERIAL TYPE APPROPRIATE TO SITE CONSTRUCTION. MATERIAL SPECIFICATIONS DENOTE TYPICAL PRODUCT TYPE.

1 TEMPORARY CONSTRUCTION FENCE  
DETAIL SCALE: NTS

#	REVISIONS/SUBMITTALS	DATE

NATIVE PLANT PRESERVATION NOTES





NATIVE PLANT INVENTORY

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
114	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
122	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	14	6	MULTI	MEDIUM	LOW	BLUE	TOS	0	LARGE SIZE	DEAD LIMB	
123	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	13	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	DIEBACK	
129	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	10	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK		in rocks
142	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	6	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DAMAGED	
226	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	12	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DEAD LIMB	
227	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	14	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DIEBACK	
230	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	10	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	REGROWTH	POOR FORM	
265	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	10	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	BAD BASE	
326	ACACIA CONSTRICTA	WHITETHORN ACACIA	NO	13	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	SLOPE	on bank
120	ACACIA GREGGII	CATCLAW ACACIA	NO	5	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	SOILS ROCKY	
121	ACACIA GREGGII	CATCLAW ACACIA	NO	4	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	WIDE BASE	
151	ACACIA GREGGII	CATCLAW ACACIA	NO	6	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	LOW BRANCHING	
152	ACACIA GREGGII	CATCLAW ACACIA	NO	6	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	LOW BRANCHING	
155	ACACIA GREGGII	CATCLAW ACACIA	NO	4	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM		
213	ACACIA GREGGII	CATCLAW ACACIA	NO	11	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	LOW BRANCHING	
225	ACACIA GREGGII	CATCLAW ACACIA	NO	6	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	BROKEN LIMB	WIDE BASE	
249	ACACIA GREGGII	CATCLAW ACACIA	NO	9	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
250	ACACIA GREGGII	CATCLAW ACACIA	NO	5	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
253	ACACIA GREGGII	CATCLAW ACACIA	NO	8	6	MULTI	HIGH	LOW	BLUE	TOS	0	POOR FORM	LOW BRANCHING	
259	ACACIA GREGGII	CATCLAW ACACIA	NO	12	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	SOILS ROCKY	growing in rock
263	ACACIA GREGGII	CATCLAW ACACIA	NO	8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	POOR FORM	
269	ACACIA GREGGII	CATCLAW ACACIA	NO	9	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	WIDE BASE	
273	ACACIA GREGGII	CATCLAW ACACIA	NO	12	4	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DEAD TRUNK	
274	ACACIA GREGGII	CATCLAW ACACIA	NO	6	4	MULTI	LOW	LOW	YELLOW	RFS	0	LOW BRANCHING	MISTLETOE	
282	ACACIA GREGGII	CATCLAW ACACIA	NO	9	6	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	LOW BRANCHING	
310	ACACIA GREGGII	CATCLAW ACACIA	NO	12	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	DIEBACK	
329	ACACIA GREGGII	CATCLAW ACACIA	NO	10	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	LOW BRANCHING	die back
337	ACACIA GREGGII	CATCLAW ACACIA	NO	5	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	SOILS SANDY	poor form
611	ACACIA GREGGII	CATCLAW ACACIA	YES	15	12	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
615	ACACIA GREGGII	CATCLAW ACACIA	YES	16	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
620	ACACIA GREGGII	CATCLAW ACACIA	YES	18	15	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
105	CARNEGIEA GIGANTEA	SAGUARO	NO	11	0	SINGLE	MEDIUM	LOW	BLUE	TOS	0	YELLOWING	SOILS ROCKY	in rocks tag in tree
106	CARNEGIEA GIGANTEA	SAGUARO	NO	2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY		
107	CARNEGIEA GIGANTEA	SAGUARO	NO	2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	INTERFERENCE	
113	CARNEGIEA GIGANTEA	SAGUARO	NO	3	0	SINGLE	HIGH	LOW	BLUE	TOS	0	SOILS ROCKY		
*118	CARNEGIEA GIGANTEA	SAGUARO	NO	12	0	SINGLE	HIGH	LOW	BLUE	TOS	0	SOILS ROCKY		
124	CARNEGIEA GIGANTEA	SAGUARO	NO	9	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
125	CARNEGIEA GIGANTEA	SAGUARO	NO	3	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
204	CARNEGIEA GIGANTEA	SAGUARO	NO	11	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	YELLOWING		
205	CARNEGIEA GIGANTEA	SAGUARO	NO	20	0	SINGLE	LOW	LOW	YELLOW	RFS	4	BAD BASE	YELLOWING	split near bottom
206	CARNEGIEA GIGANTEA	SAGUARO	NO	18	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	2	LARGE SIZE	OLD	
220	CARNEGIEA GIGANTEA	SAGUARO	NO	7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
228	CARNEGIEA GIGANTEA	SAGUARO	NO	4	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
246	CARNEGIEA GIGANTEA	SAGUARO	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			tag in tree
312	CARNEGIEA GIGANTEA	SAGUARO	NO	2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY		tag in tree
323	CARNEGIEA GIGANTEA	SAGUARO	NO	8	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0		SLOPE	flag in tree
219	CELTIS PALLIDA	DESERT HACKBERRY	NO	10	0	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE		
275	CELTIS PALLIDA	DESERT HACKBERRY	NO	10	0	MULTI	HIGH	LOW	YELLOW	RFS	0	WIDE BASE		
278	CELTIS PALLIDA	DESERT HACKBERRY	NO	9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0		DIEBACK	on wash bank
281	CELTIS PALLIDA	DESERT HACKBERRY	NO	7	0	SINGLE	HIGH	LOW	BLUE	TOS	0	LARGE SIZE		
285	CELTIS PALLIDA	DESERT HACKBERRY	NO	7	0	MULTI	HIGH	LOW	YELLOW	RFS	0	LOW BRANCHING	WIDE BASE	
243	CERCIDIUM FLORIDUM	BLUE PALO VERDE	NO	9	5	MULTI	MEDIUM	MEDIUM	BLUE	TOS	0			bark scale
268	CERCIDIUM FLORIDUM	BLUE PALO VERDE	NO	8	6	MULTI	LOW	LOW	YELLOW	PIP	0	SOILS ROCKY	IN DECLINE	
617	CERCIDIUM FLORIDUM	BLUE PALO VERDE	YES	16	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
100	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	LOW BRANCHING	
102	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	INTERFERENCE	
103	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	13	11	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
104	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	14	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	SOILS ROCKY	in rocks
108	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	in rocks
109	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
110	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
118	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	SOILS ROCKY	
126	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	8	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	BROKEN LIMB	
127	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	0	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	in rocks
131	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	5	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	SOILS SANDY		
134	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	8	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	REGROWTH	
141	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	8	MULTI	HIGH	LOW	YELLOW	RFS	0	POOR FORM	WIDE BASE	
143	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	5	SINGLE	HIGH	MEDIUM	BLUE	TOS	0			
144	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	13	15	MULTI	LOW	LOW	YELLOW	RFS	0	YELLOWING	DIEBACK	
146	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	14	8	MULTI	MEDIUM	LOW	BLUE	TOS	0	DIEBACK	WIDE BASE	
154	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
178	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	5	MULTI	LOW	LOW	YELLOW	RFS	0	DAMAGED	BAD BASE	
181	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
183	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	6	MULTI	HIGH	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
189	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	4	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
199	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	8	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	YELLOWING	
216	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	5	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	
234	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
238	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	3	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
241	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
242	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	3	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
247	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	13	4	MULTI	MEDIUM	LOW	BLUE	TOS	0	WIDE BASE	.	
248	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
254	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	4	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	DAMAGED	.	
256	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	INTERFERENCE	
257	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	4	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	YELLOWING	
258	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	YELLOWING	2 smaller trees intertwined
261	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	5	MULTI	MEDIUM	LOW	BLUE	TOS	0	SOILS ROCKY	.	
270	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	8	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	
286	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	5	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	IN DECLINE	in rock
287	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	11	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	in rock
288	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	in rock
289	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	in rock
290	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	6	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	in rock
295	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	13	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	dieback
296	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	SOILS SANDY	
299	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	IN DECLINE	
300	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	IN DECLINE	
302	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	5	MULTI	LOW	LOW	YELLOW	RFS	0	BAD BASE	DEAD LIMB	bug damage
303	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DEAD LIMB	
304	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DIEBACK	
305	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	3	MULTI	LOW	LOW	YELLOW	RFS	0	BAD BASE	DEAD LIMB	
306	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	4	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
307	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	3	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	root runner
308	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
312	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	19	SINGLE	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	leaning
314	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	root sucker
317	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	12	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DIEBACK	
319	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	LOW BRANCHING	
330	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	16	30	MULTI	LOW	LOW	BLUE	TOS	0	MISTLETOE	DIEBACK	close to wall maintained
334	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	6	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	BAD BASE	in rocks
335	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	6	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	BAD BASE	in rocks
336	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	rats nest
339	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	6	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DEAD TRUNK	
341	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	5	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DIEBACK	
342	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	rocky soils
342	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	form
344	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	9	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DIEBACK	interference
345	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	4	MULTI	LOW	LOW	YELLOW	RFS	0	POOR FORM	DIEBACK	root sucker
346	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	15	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	WIDE BASE	
347	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	13	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
348	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	9	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
349	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	11	16	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
350	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	9	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	WIDE BASE	split trunk
352	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	6	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth
353	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	7	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth root sucker
354	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	6	0	MULTI	LOW	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth root sucker
355	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	NO	10	4	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	INTERFERENCE	.	
501	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	35	MULTI	MEDIUM	LOW	BLUE	TOS	0			
502	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	20	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
503	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	14	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
506	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	19	19	SINGLE	MEDIUM	LOW	BLUE	TOS	0			edge d range maintained
508	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	20	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
509	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	13	15	MULTI	MEDIUM	LOW	YELLOW	RFS	0			maintained
605	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
607	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	12	12	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
608	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	12	12	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
609	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	12	16	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
610	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	14	12	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
612	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	16	15	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
613	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	17	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	



NATIVE PLANT INVENTORY

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
612	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	16	15	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
613	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	17	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
614	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
616	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	14	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
619	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	15	20	SINGLE	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
621	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	14	12	MULTI	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
S102	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	YES	18	30	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	BAD BASE	
111	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DIEBACK	.	
112	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	.	
115	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
116	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
117	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DIEBACK	SOILS ROCKY	
128	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
130	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
133	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	.	
135	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
136	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
137	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
138	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
140	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
145	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	.	
147	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
148	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0	.	.	
149	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	IN DECLINE	
150	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	BAD BASE	
153	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	BAD BASE	YELLOWING	
157	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
161	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	0	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
162	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
163	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	MEDIUM	MEDIUM	YELLOW	RFS	0	YELLOWING	.	
165	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
167	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
168	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
170	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
171	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
172	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
174	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	BAD BASE	YELLOWING	
176	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
179	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
185	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
186	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	0	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DAMAGED	BAD BASE	
190	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
191	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
192	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
194	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
195	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	double
196	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	triple
197	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
200	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	.	
214	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
217	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	.	
218	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
221	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	
223	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	.	
229	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0	.	.	
231	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
232	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
236	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
237	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
239	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
240	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
244	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
245	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	double
251	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	INTERFERENCE	.	tag in tree, barrel in tree
252	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
255	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
260	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	tag in tree
262	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	
280	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
284	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
291	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	.	.	in rock
292	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	.	.	in rock
293	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	.	YELLOWING	in rock
293	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	MULTI	HIGH	MEDIUM	YELLOW	RFS	0	.	SOILS ROCKY	double
301	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	.	bug damage
309	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
311	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	DIEBACK	
315	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
316	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	triple broken top
318	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	
321	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
324	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	SLOPE	
325	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	0	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	SLOPE	
326	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	BAD BASE	rat nest
328	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	3	0	MULTI	LOW	LOW	YELLOW	RFS	0	SOILS ROCKY	BAD BASE	double
332	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
333	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
336	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	in rocks
351	FEROCACTUS WISLIZENII	FISHHOOK BARREL	NO	2	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	LARGE SIZE	.	
139	FOUQUIERIA SPLENDENS	OCOTILLO	NO	14	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	20 +- canes
156	FOUQUIERIA SPLENDENS	OCOTILLO	NO	7	0	SINGLE	LOW	LOW	YELLOW	RFS	0	.	.	10 canes in rat nest
158	FOUQUIERIA SPLENDENS	OCOTILLO	NO	10	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15 +- canes
159	FOUQUIERIA SPLENDENS	OCOTILLO	NO	10	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +-canes
160	FOUQUIERIA SPLENDENS	OCOTILLO	NO	12	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15+- canes
164	FOUQUIERIA SPLENDENS	OCOTILLO	NO	7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	7 +- canes
100	FOUQUIERIA SPLENDENS	OCOTILLO	NO	13	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	25+- canes
169	FOUQUIERIA SPLENDENS	OCOTILLO	NO	11	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	20 +- canes
173	FOUQUIERIA SPLENDENS	OCOTILLO	NO	6	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
175	FOUQUIERIA SPLENDENS	OCOTILLO	NO	7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15+- canes
177	FOUQUIERIA SPLENDENS	OCOTILLO	NO	17	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	LARGE SIZE	
182	FOUQUIERIA SPLENDENS	OCOTILLO	NO	11	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	INTERFERENCE	.	
184	FOUQUIERIA SPLENDENS	OCOTILLO	NO	7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +- canes
187	FOUQUIERIA SPLENDENS	OCOTILLO	NO	13	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
188	FOUQUIERIA SPLENDENS	OCOTILLO	NO	12	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
193	FOUQUIERIA SPLENDENS	OCOTILLO	NO	11	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	20 +- canes
198	FOUQUIERIA SPLENDENS	OCOTILLO	NO	5	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +- canes
201	OLNEYA TESOTA	IRONWOOD	NO	13	9	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	.	
202	OLNEYA TESOTA	IRONWOOD	NO	16	12	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	OLD	
203	OLNEYA TESOTA	IRONWOOD	NO	15	8	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	LARGE SIZE	.	
207	OLNEYA TESOTA	IRONWOOD	NO	20	18	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
208	OLNEYA TESOTA	IRONWOOD	NO	18	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LARGE SIZE	
209	OLNEYA TESOTA	IRONWOOD	NO	25	20	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LARGE SIZE	
210	OLNEYA TESOTA	IRONWOOD	NO	25	30	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
211	OLNEYA TESOTA	IRONWOOD	NO	25	30	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
212	OLNEYA TESOTA	IRONWOOD	NO	19	16	SINGLE	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
100	PROSOPIS VELUTINA	VELVET MESQUITE	NO	17	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LARGE SIZE	.	
180	PROSOPIS VELUTINA	VELVET MESQUITE	NO	14	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0	MISTLETOE	DAMAGED	
215	PROSOPIS VELUTINA	VELVET MESQUITE	NO	12	5	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	perfect tree
264	PROSOPIS VELUTINA	VELVET MESQUITE	NO	8	6	MULTI	MEDIUM	LOW	YELLOW	PIP	0	WIDE BASE	POOR FORM	
266	PROSOPIS VELUTINA	VELVET MESQUITE	NO	8	5	MULTI	MEDIUM	LOW	YELLOW	PIP	0	SOILS SANDY	BAD BASE	concrete drainage
267	PROSOPIS VELUTINA	VELVET MESQUITE	NO	7	4	MULTI	MEDIUM	LOW	YELLOW	PIP	0	SOILS SANDY	BAD BASE	concrete drainage
271	PROSOPIS VELUTINA	VELVET MESQUITE	NO	14	11	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	SOILS SANDY	wash bank
272	PROSOPIS VELUTINA	VELVET MESQUITE	NO	11	14	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DEAD LIMB	wash bank
276	PROSOPIS VELUTINA	VELVET MESQUITE	NO	13	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	DIEBACK	on wash bank
277	PROSOPIS VELUTINA	VELVET MESQUITE	NO	11	11	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	on wash bank
279	PROSOPIS VELUTINA	VELVET MESQUITE	NO	14	8	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	LARGE SIZE	DIEBACK	on wash bank
283	PROSOPIS VELUTINA	VELVET MESQUITE	NO	12	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
297	PROSOPIS VELUTINA	VELVET MESQUITE	NO	12	10	SINGLE	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	POOR FORM	
298	PROSOPIS VELUTINA	VELVET MESQUITE	NO	9	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	WIDE BASE	
320	PROSOPIS VELUTINA	VELVET MESQUITE	NO	13	6	MULTI	HIGH	LOW	YELLOW	RFS	0	SOILS SANDY	.	on wash bank
322	PROSOPIS VELUTINA	VELVET MESQUITE	NO	12	4	SINGLE	MEDIUM	LOW	BLUE	TOS	0	SOILS SANDY	MISTLETOE	interference
331	PROSOPIS VELUTINA	VELVET MESQUITE	YES	18	22	SINGLE	MEDIUM	LOW	BLUE	TOS	0	.	.	close to wall maintained
340	PROSOPIS VELUTINA	VELVET MESQUITE	NO	11	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	DIEBACK	loose soil
500	PROSOPIS VELUTINA	VELVET MESQUITE	YES	16	20	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	
504	PROSOPIS VELUTINA	VELVET MESQUITE	YES	19	15	SINGLE	MEDIUM	LOW	BLUE	TOS	0	.	.	edge d range maintained
505	PROSOPIS VELUTINA	VELVET MESQUITE	YES	19	15	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	edge d range maintained
507	PROSOPIS VELUTINA	VELVET MESQUITE	YES	13	20	MULTI	LOW	LOW	YELLOW	RFS	0	.	.	
510	PROSOPIS VELUTINA	VELVET MESQUITE	YES	20	19	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	maintained
511	PROSOPIS VELUTINA	VELVET MESQUITE	YES	20	19	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	maintained edge d range
512	PROSOPIS VELUTINA	VELVET MESQUITE	YES	16	13	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	maintained
521	PROSOPIS VELUTINA	VELVET MESQUITE	YES	15	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	DIEBACK	maintained irrigation



NATIVE PLANT INVENTORY

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
522	PROSOPIS VELUTINA	VELVET MESQUITE	YES	12	14	MULTI	MEDIUM	LOW	YELLOW	PIP	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
606	PROSOPIS VELUTINA	VELVET MESQUITE	YES	12	12	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD TRUNK	
618	PROSOPIS VELUTINA	VELVET MESQUITE	YES	19	17	SINGLE	HIGH	LOW	YELLOW	RFS	0	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS	
S101	PROSOPIS VELUTINA	VELVET MESQUITE	YES	12	14	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	PRIMARY BRANCH DEAD	
132	YUCCA ELATA	SOAPTREE YUCCA	NO	2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
224	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN	NO	9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	
233	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN	NO	12	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	
235	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN	NO	7	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	POOR FORM	



GENERAL NOTES:

1.

Gross area of development in acres: 9.31 AC (including 2.52 AC offsite work)

2.

Total acres of graded area: 9.31 AC

3.

Total acres of undisturbed area: 0.12 AC (5,363 SF)

4.

Total amount of open space required and provided (as defined in Chapter 31 Definitions)

Open Space Required: 30% of the gross area of the site

Open Space Provided: 30.4%

Total amount of Landscaped Common Areas: 123,846 SF.

5.

Landscape Bufferyard "A" Residential Street Frontage along Vistososo Highlands Dr.

(Minimum 15 ft.) Landscaped buffer yards appropriately labeled per OVZCR Table 27.7.

6.

The existing zoning for A.P.N. 219-19-1910 is Rancho Vistososo PAD 'HDR.' (See PAD document dated June 22, 1987 Ordinance # (O) 06-02 (latest amendment). The existing zoning for A.P.N. 219-19-1840 is RV PAD 'Open Space'. The proposed zoning for A.P.N. 219-19-1840 is RV PAD 'Recreation Area/Golf Course.' (See Sheet 2 civil notes for 'Rezoning Conditions.'

7.

Classification of each perimeter street abutting the property and type and width of street buffer yards provided.

8.

Landscape to conform to Oro Valley Landscape Code.

9.

Mitigation of surveyed plants in the Native Plant Preservation Plan will be incorporated in the landscape design.

10.

Assurances for landscaping and re-vegetation bonds must be posted prior to issuance of grading permits. A landscape bond in the amount of 10% of the original landscape bond shall remain in place for a period of one year from the complete installation of landscape materials and any replacement materials.

11.

Property owner shall maintain buffer yard plantings to ensure unobstructed visibility to motorists. All shrubs, accents, and groundcovers shall not exceed thirty (30") inches in height within site visibility triangles. Trees within site visibility triangles will be maintained to ensure that branches/foliage is not below a height of six (6') feet and the diameter should not exceed 1-foot when fully mature.

12.

Property owners, lessees, and occupants shall maintain required landscape, irrigation, buffering, screening, and rainwater harvesting system improvements per the approved plans.

13.

In the event of abandonment of the site after grading/disturbance of natural areas, disturbed areas shall be re-vegetated with a non-irrigated hydro seed mix from the OVZCR Addendum D: Approved revegetation seed mix.

14.

All plant material shall meet the minimum standards contained in the current editions of the Arizona Nursery Association's Growers Committee Recommended Tree Specifications and the American Association of Nurserymen as to size, condition, and appearance.

15.

Property owner is responsible for maintaining the temporary irrigation system as long as necessary in order to transition plants over to natural sources. Any plant materials that die in transition, for any reason, shall be replaced in accordance with Sec. 27.6.E.4, Maintenance. Metered water use for landscape irrigation shall be reduced by fifty percent, five years from the date of the issuance of the certificate of occupancy.

16.

Any spaded or boxed tree transplanted on site that dies due to neglect or lack of maintenance shall be replaced with the same size and species of the original salvaged tree, as required by the salvage plan.

17.

The limits of grading shall be staked in the field, in accordance with Section 27.6.B.7.c.ii of the Zoning Code. Disturbance outside the approved grading limits shall not be permitted.

18.

No salvage of plants regulated by the Endangered Species Act and/or the Arizona Native Plant Law may occur without the issuance of the appropriate permit by the State Department of Agriculture.

19.

Landscape materials shall not obstruct sight distances or vehicle turning movements.

20.

Landscaped areas that are susceptible to damage by pedestrian or auto traffic shall be protected by appropriate curbs, tree guards, or other devices.

21.

Landscape shall be designed to minimize sediment, sand, and gravel being carried into the streets from storm water or other runoff.

22.

Landscape plan enables adequate plant spacing to ensure survivability at plant maturity.

23.

Deep rooted vegetation and trees shall not be planted closer than 7.5' from a public water line. Exceptions for alternative design solutions such as root barriers shall be considered on a case-by-case basis.

24.

Curb-way consisting of inorganic groundcover or plants not to exceed type 2 water use shall be provided between curb and all sidewalks.

25.

All landscaped areas to be finished with a natural topping material to a depth of at least two (2) inches.

26.

There are no overlay zones applicable to the property.

27.

Table for each buffer yard that indicates buffer yard type, width/length, and number of required and provided trees, shrubs, and accent plants. (See sheet LS-0)

28.

The proposed development will have trails:

i.

All trail easements indicated are for use by the general public as permanent, non-motorized trail easements.

ii.

All public trails and signage must be constructed by the developer to Pima Regional Trail System Master Plan standards in consultation with the Town Parks and Recreation department. The applicable cross-section is included within these plans.

iii.

Trail and sign locations, as indicated on this plan, must be field verified by Town staff prior to construction and are subject to adjustment.

iv.

Trails must be positioned in a manner to avoid vegetation and minimize potential for erosion.

v.

Public trail easements must be dedicated to the Town as part of the final plat. The Town of Oro Valley shall accept ownership of the public trails and be responsible for all maintenance of the public trails and trail easements post development.

29.

For residential developments, construction of all recreational amenities and public or private trails within the project limits must be completed by the time 35% of building permits are issued per Section 26.5 of the Zoning Code.

LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
CASE #2401047

This figure shows a detailed landscape plan for the Gateway at Vistososo Preserve. It includes various features like Bufferyard 'A', Open Space, Limits of Grading, Project Boundary, Highlands Wash, Matchline, Hydroseed Mix, Proposed Top of Bank, Proposed Erosion Hazard Setback, Unknown Wash, Recreation, Steeprock Canyon Place M&P (Private), Bow Creek Springs Place M&P (Private), Stone Village Neighborhood Medium Density Residential, Vistososo Highlands Neighborhood High Density Residential, Vistososo Highlands Drive M&P (Public), Vistososo Golf Casitas High Density Residential, and parcels 219-19-1260 through 219-19-1950. It also references sheets LS-1, LS-2, and LS-3. Notes specify hydroseeding requirements for disturbed open spaces. A legend defines symbols for Project Boundary, Wash, Floodplain, Water Surface Elevation, Top of Bank, Erosion Hazard Setback, Rezone Boundary, Limits of Grading, and Parcels. General notes cover aspects from acreage to trail maintenance. Neighboring properties include Desert Crest, Discovery, Fairfield, Pinnaclle, Semra, Stonegate, Stone Canyon Phase I & X, Stone Village, Street of Dreams, Summit North, Vistososo Highlands, Worldmark, and various density residential types. An inset map shows the location relative to PTN W2 SE4 2.94 AC SEC 23-11-13 and PTN SE4 6.07 AC SEC 23-11-13 TOWN OF ORO VALLEY, ARIZONA. Scale bars indicate 1 inch = 80 feet and 3 inches = 1 mile.

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SUBMITTAL HISTORY:

1ST SUBMITTAL  03/29/24    TOWN OF ORO VALLEY

2ND SUBMITTAL   07/19/24    TOWN OF ORO VALLEY


3RD SUBMITTAL  12/20/24    TOWN OF ORO VALLEY

TOWNGEENEE(N/A)(FOR LANDSCAPE PROPOSED WITHIN PUBLIC ROW)

N/A

TOWN ENGINEERDATE

PLANNING & ZONING ADMINISTRATORDATE



THE PLANNING CENTER

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PROJECT: CCD-15

DATE: 12/20/24

DRAWN BY: KDP

CHECKED BY: DB



CALL TWO WORKING DAYS BEFORE YOU DIG

602-263-1100

1-800-STAKE-IT


(OUTSIDE MARICOPA COUNTY)

#	REVISIONS/SUBMITTALS	DATE

ENGINEER:  
RICK ENGINEERING COMPANY  
3945 E. FORT LOWELL RD., SUITE 111  
TUCSON, AZ 85712  
ATTN: KEVIN HALL  
PH: (520) 795-1000  
khall@rickengineering.com

ARCHITECT:  
a23 STUDIOS  
711 EAST 9TH STREET  
TUCSON, AZ 85719  
ATTN: MR. BURAK BEKAT  
PH: (520) 903-2323  
E: info@a23studios.com

OWNER/DEVELOPER:  
OV 132, LLC  
6340 N. CAMPBELL AV., SUITE 170  
TUCSON, AZ 85719  
ATTN: ROSS RULNEY  
PH: (520) 850-9300  
E: rossrulney@gmail.com



LANDSCAPE PLAN

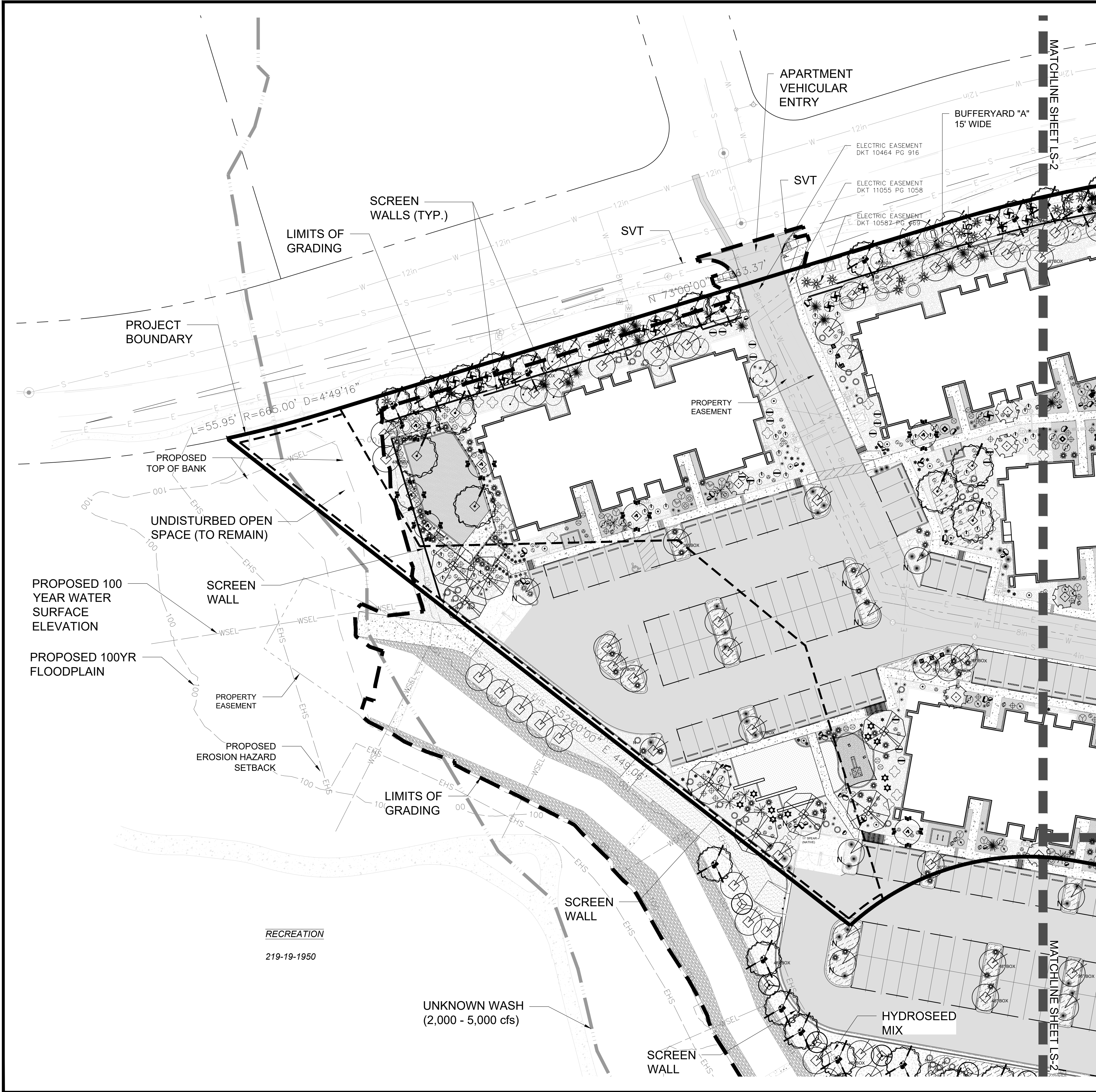
GATEWAY AT VISTOSO PRESERVE

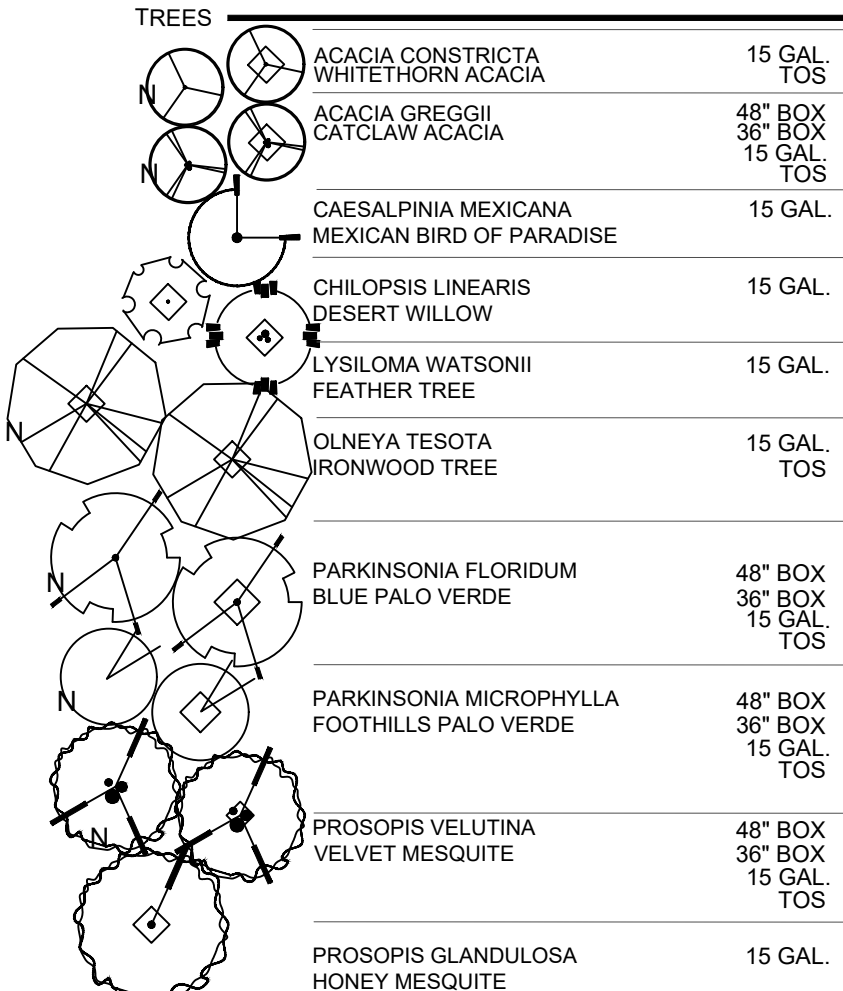
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

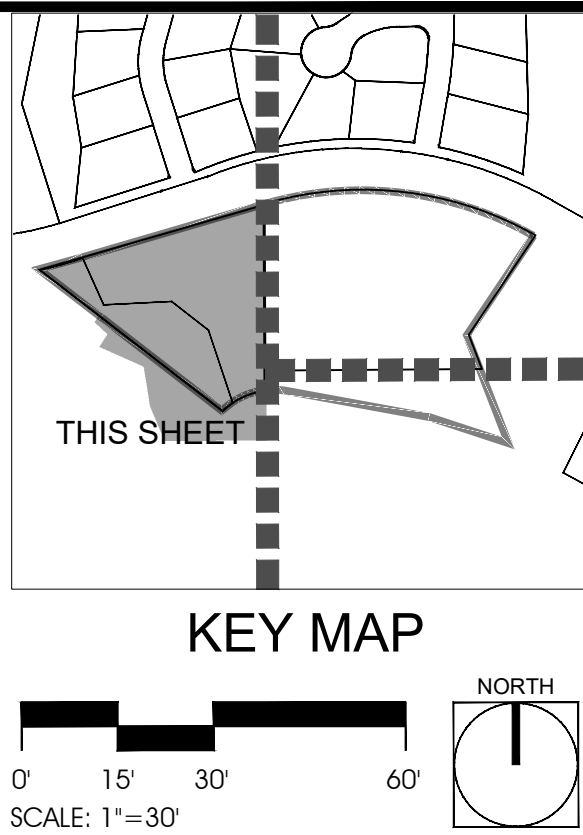
CASE NO:  
CASE #2401047  
REFERENCE: 2203155, 2301138, 2301232  
LS-0  
13 OF 45





PROJECT SITE PLANT SCHEDULE			RIGHT-OF-WAY PLANT SCHEDULE			
BOTANICAL NAME COMMON NAME		SIZE	BOTANICAL NAME COMMON NAME		SIZE	
TREES						
	ACACIA CONSTRICTA WHITETHORN ACACIA	15 GAL. TOS	☉	AGAVE COLORATA MESCAL CENIZA	5 GAL.	
	ACACIA GREGGII CATCLAW ACACIA	48" BOX 36" BOX 15 GAL. TOS	☉	ALOE X 'BLUE ELF' BLUE ELF ALOE	5 GAL.	
	CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	15 GAL.	☉	CARNEGIA GIGANTEA SAGUARO	TOS	
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL.	☉	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL.	
	LYSILOMA WATSONII FEATHER TREE	15 GAL.	☉	EUPHORBIA ANTISYPHILITICA CANDELLA	5 GAL.	
	OLNEYA TESOTA IRONWOOD TREE	15 GAL. TOS	☉	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL.	
	PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL. TOS	☉	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.	
	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	48" BOX 36" BOX 15 GAL. TOS				
	PROSOPIS VELUTINA VELVET MESQUITE	48" BOX 36" BOX 15 GAL. TOS				
	PROSOPIS GLANDULOSA HONEY MESQUITE	15 GAL.				
	SHRUBS					
	☉	AMBROSIA DELTOIDEA TRIANGLELEAF BURSAGE	5 GAL.			
☉	ANISACANTHUS THURBERI DESERT HONEYSUCKLE	5 GAL.				
☉	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL.				
☉	GALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL.				
☉	CELTIS PALLIDA DESERT HACKBERRY	5 GAL. TOS				
☉	DODONAEA VISCOSA GREEN HOPSEED BUSH	5 GAL.				
☉	ENCELIA FARINOSA BRITTLEBUSH	5 GAL.				
☉	LAREA TRIDENTATA CREOSOTE	5 GAL.				
☉	LEUCOPHYLLUM SPP. TEXAS RANGER ANY CULTIVAR	5 GAL.				
☉	PENSTEMON SUPERBUS SUPERB PENSTEMON	5 GAL.				
☉	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL.				
☉	ZIZIPHUS OBtusIFOLIA GRAYTHORN	5 GAL.				
ACCENTS & SUCCULENTS						
☉	AGAVE COLORATA MESCAL CENIZA	5 GAL.				
☉	AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL.				
☉	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL.				
☉	BAILEYA MULTIRADIATA DESERT MARIGOLD	5 GAL.				
☉	CARNEGIA GIGANTEA SAGUARO	5 GAL. TOS				
☉	DASYLIRION WHEELERI DESERT SPOON	5 GAL.				
☉	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL.				
☉	ECHINOCACTUS SPP. HEDGEHOG CACTUS	5 GAL.				
☉	EUPHORBIA ANTISYPHILITICA CANDELLA	5 GAL.				
☉	FEROCACCTUS WISLIZENII FISHHOOK BARREL	5 GAL. TOS				
☉	FOUQUIERIA SPLENDENS OCOTILLO	5 GAL. TOS				
☉	JUSTICIA CALIFORNICA CHUPRUSCA	5 GAL.				
☉	OPUNTIA ENGELMANNII LINGUIFORMIS COWS TONGUE PRICKLY PEAR	5 GAL.				
☉	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.				
☉	OPUNTIA MICRODASYLIS 'YELLOW/ YELLOW BUNNY EARS PRICKLY PEAR	5 GAL.				
☉	OPUNTIA VIOLACEA 'SANTA RITA' SANTA RITA PRICKLY PEAR	5 GAL.				
☉	PEDILANTHUS MACROCARPUS SUPPER FLOWER	5 GAL.				
☉	YUCCA ELATA SOAP TREE YUCCA	TOS				
☉	YUCCA RIGIDA BLUE TREE YUCCA	5 GAL.				
GROUND COVER						
☉	MELAMPODIUM LEUCANTHUM BLACKFOOT DAISY	5 GAL.				
INERT GROUND COVER						
SMALL ROCK. SEE SHEET R-9 LS PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.						
RIGHT-OF-WAY SCREENED ROCK TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING. SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE. INSTALL IN LANDSCAPE BUFFER YARD 15 FT WIDE STRIP ALONG OUTSIDE OF VISTOSO HIGHLANDS THEME/ACCENT WALLS.						
DECORATIVE RIP RAP. MFR: ROCK PROS USA. SIZE: 2"-4". COLOR: APACHE GOLD. INSTALL AT SITE MONUMENT AND AMENITY ACCENT AREAS (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)						
DESERT COBBLE 25% MIX & HYDROSEED MIX. (SEE SHEET LS-4 FOR DETAILS.) MFR: ROCK PROS USA. SIZE & APPLICATION. 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE. (SEE DESERT COBBLE ROCK MIX FOR TYPE, SIZE, COLOR, & QUANTITY MIXTURE OF ROCK.) INSTALL SOUTH OF SITE BELOW PARKING INCLUDING RAINWATER HARVESTING BASINS & PROJECT EAST SIDE (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)						
DESERT COBBLE ROCK MIX 100%. MFR: ROCK PROS USA. (40%) 3" SCREENED ROCK. COLOR: APACHE GOLD. + (25%) 1" SCREENED ROCK. COLOR: SILVERBELL APACHE GOLD. + (20%) 1/2" SCREENED ROCK. COLOR: SILVERBELL APACHE GOLD. + (15%) 1/2" TO 4" RIP RAP. COLOR: APACHE GOLD. APPLY AT 100% COVERAGE IN COMMON AREAS & PARKING ISLANDS. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)						
BOULDERS: MFR: ROCK PROS USA. COLOR: APACHE GOLD.						
SMALL (2X3) 102 LARGE (3X4) 69						

RIGHT-OF-WAY PLANT SCHEDULE		
BOTANICAL NAME COMMON NAME		SIZE
ACCENTS & SUCCULENTS		
⑥	AGAVE COLORATA MESCAL CENIZA	5 GAL.
⑨	ALOE X 'BLUE ELF' BLUE ELF ALOE	5 GAL.
⑩	CARNEGIA GIGANTEA SAGUARO	TOS
⑪	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL.
⑫	EUPHORBIA ANTISYPHILITICA CANDELLILA	5 GAL.
⑬	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL.
⑭	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.



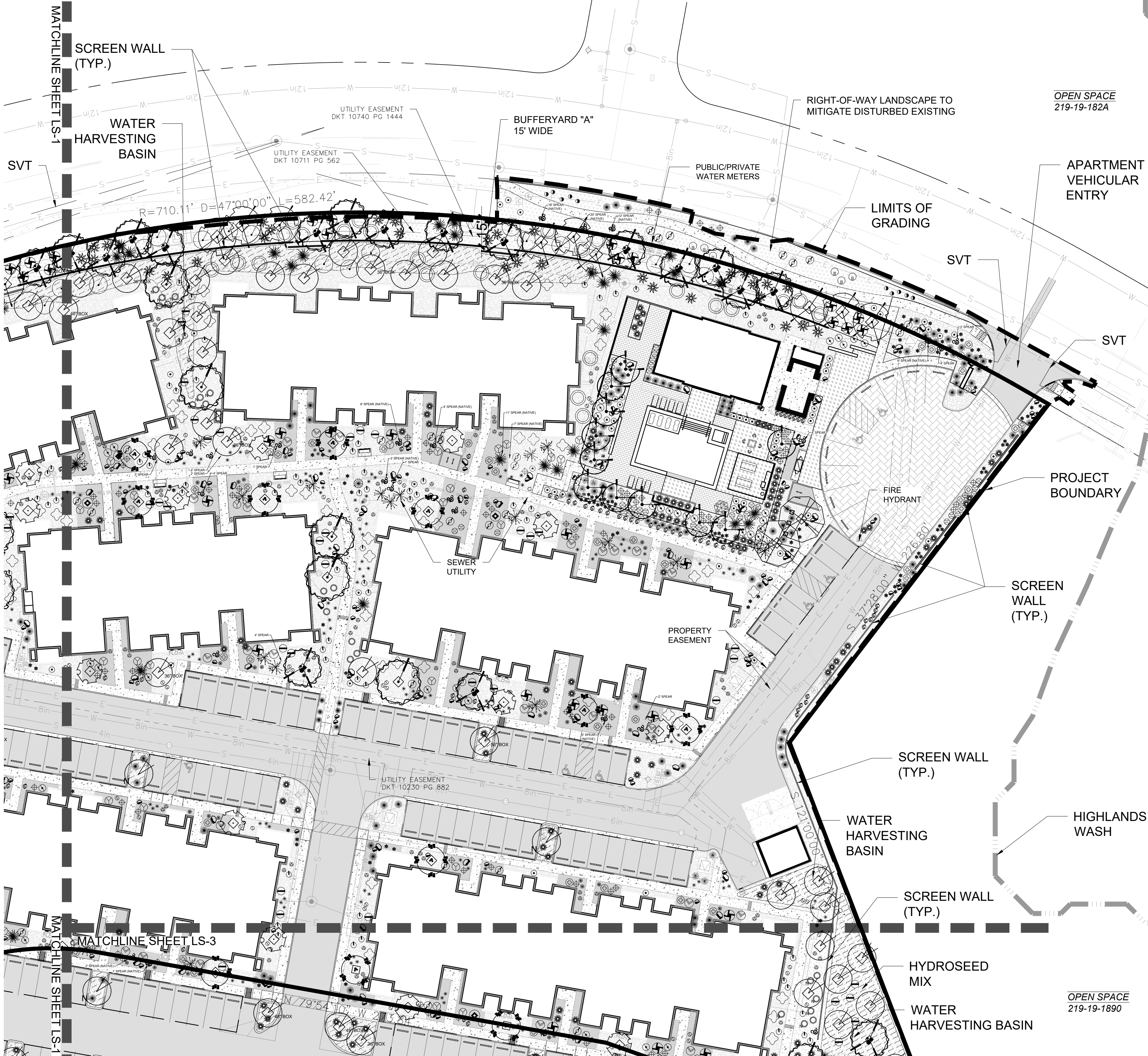
#	REVISIONS/SUBMITTALS	DATE

## LANDSCAPE PLAN



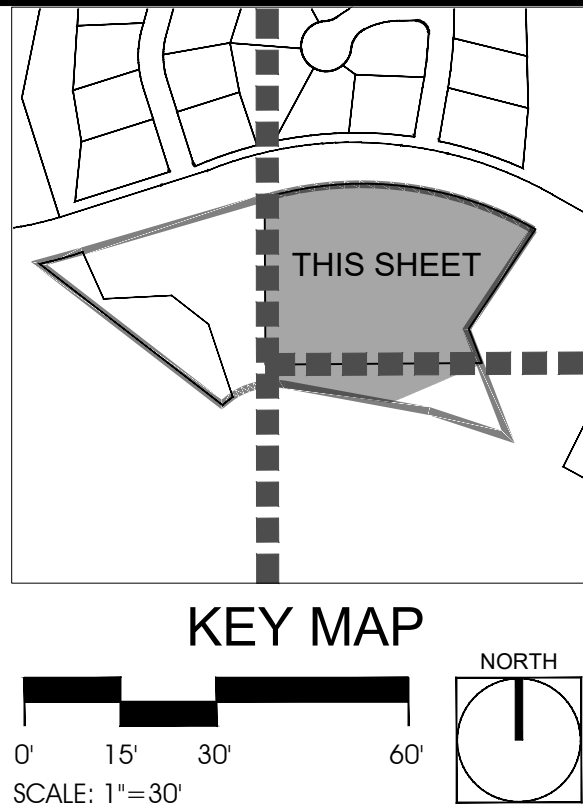


VISTOSO HIGHLANDS  
HIGH DENSITY RESIDENTIAL  
219-19-1150

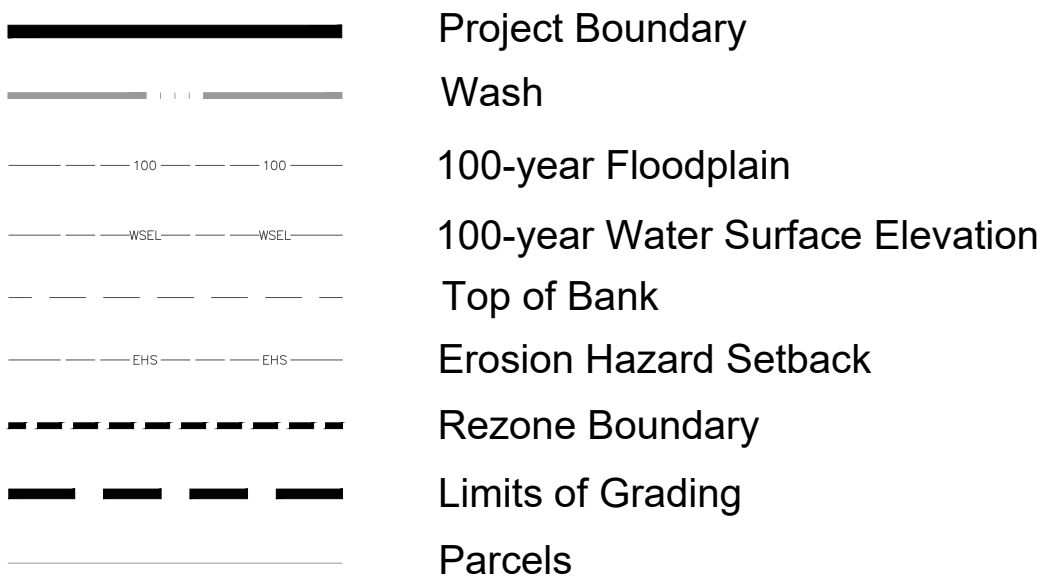


PROJECT SITE PLANT SCHEDULE		
	BOTANICAL NAME COMMON NAME	SIZE
TREES	ACACIA CONSTRICTA WHITETHORN ACACIA	15 GAL. TOS
	ACACIA GREGGII CATCLAW ACACIA	48" BOX 36" BOX 15 GAL. TOS
	CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	15 GAL.
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL.
	LYSILOMA WATSONII FEATHER TREE	15 GAL.
	OLNEYA TESOTA IRONWOOD TREE	15 GAL. TOS
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	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	48" BOX 36" BOX 15 GAL. TOS
	PROSOPIS VELUTINA VELVET MESQUITE	48" BOX 36" BOX 15 GAL. TOS
	PROSOPIS GLANDULOSA HONEY MESQUITE	15 GAL.
	SHRUBS	
	AMBROSIA DELTOIDEA TRIANGLELEAF BURSAGE	5 GAL.
	ANISACANTHUS THURBERI DESERT HONEYSUCKLE	5 GAL.
	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL.
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL.
ACCENTS & SUCCULENTS	CELTIS PALLIDA DESERT HACKBERRY	5 GAL. TOS
	DODONEA VISCOSA GREEN HOPSPOOD BUSH	5 GAL.
	ENCELIA FARINOSA BRITTLEBUSH	5 GAL.
	LAREA TRIDENTATA CREOSOTE	5 GAL.
	LEUCOPHYLLUM SPP. TEXAS RANGER ANY CULTIVAR	5 GAL.
	PENSTEMON SUPERBUS SUPERB PENSTEMON	5 GAL.
	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL.
	ZYPHUS ORTUSIFOLIA GRAY THORN	5 GAL.
	AGAVE COLORATA MESCAL CENIZA	5 GAL.
	AGAVE PARVIFLORUS HUACHUCA AGAVE	5 GAL.
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL.
	BAILEYA MULTIRADIATA DESERT MARIPOSA	5 GAL.
	CARNEGIA GIGANTEA SAGUARO	5 GAL. TOS
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	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL.
	FEROCACTUS WISLIZENII FISHHOOK BARREL	5 GAL. TOS
	FOUQUIERIA SPLENDENS OCOTILLO	5 GAL. TOS
	JUSTICIA CALIFORNICA CHUPAURESA	5 GAL.
	OPUNTIA ENGELMANNII LINGUIFORMIS COWS TONGUE PRICKLY PEAR	5 GAL.
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.
	OPUNTIA MICRODASYS 'YELLOW' YELLOW BUNNY EARS PRICKLY PEAR	5 GAL.
	OPUNTIA VIOLACEA 'SANTA RITA' SANTA RITA PRICKLY PEAR	5 GAL.
	PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL.
	YUCCA ELATA SOAP TREE YUCCA	TOS
	YUCCA RIGIDA BLUE TREE YUCCA	5 GAL.
	MELAMPODIUM LEUCANTHUM BLACKFOOT DAISY	5 GAL.
	INERT GROUND COVER	
	SMALL ROCK. SEE SHEET R-9 LS PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.	
	RIGHT-OF-WAY SCREENED ROCK TO MATCH EXISTING CONTRACTOR TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT A DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE. INSTALL IN LANDSCAPE BUFFERYARD 15 FT. WIDE STRIP ALONG OUTSIDE OF VISTOSO HIGHLANDS THEME/ACCENT WALLS.	
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	BOULDERS: MFR: ROCK PROS USA. COLOR: APACHE GOLD.	SMALL (2X3) 102 LARGE (3X4) 69

RIGHT-OF-WAY PLANT SCHEDULE		
	BOTANICAL NAME COMMON NAME	SIZE
ACCENTS & SUCCULENTS	AGAVE COLORATA MESCAL CENIZA	5 GAL.
	ALOE X 'BLUE ELF' BLUE ELF ALOE	5 GAL.
	CARNEGIA GIGANTEA SAGUARO	TOS
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL.
	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL.
	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL.
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.



LEGEND



LANDSCAPE PLAN

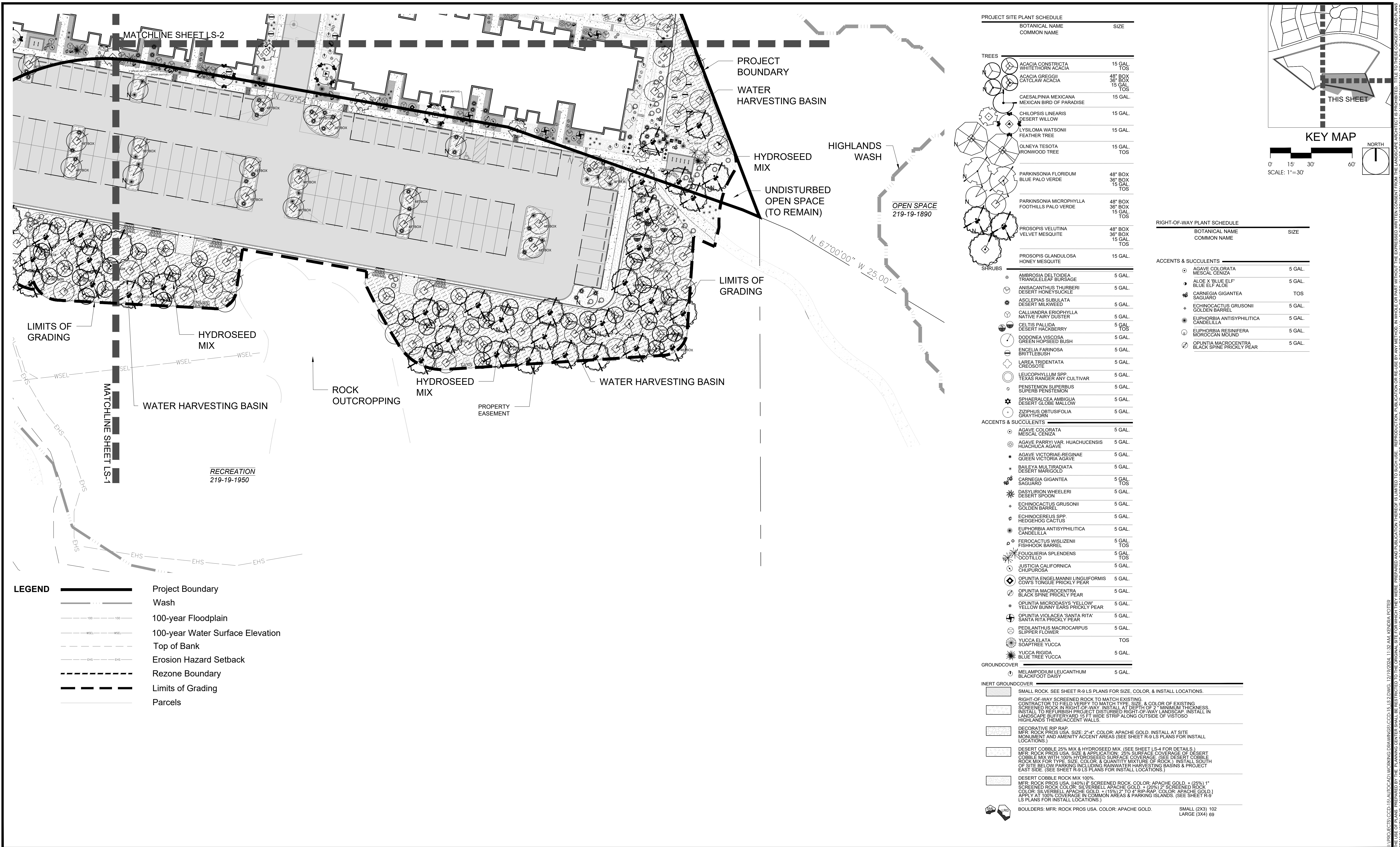


LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
LS-2  
15 OF 45

#	REVISIONS/SUBMITTALS	DATE





#	REVISIONS/SUBMITTALS	DATE

## LANDSCAPE PLAN





PLANTING NOTES

1.

The owner's representative shall reserve the right to refuse any plant materials that are deemed unacceptable
2.

The owner's representative shall approve all material substitutions.
3.

All plant material and specifications shall conform to the Arizona Nursery Association standards.
4.

Plants shall feature growth habit that is normal for the species. Plants shall be healthy, vigorous, and free from disease, insect, or injury.
5.

All plant material shall be guaranteed for a period of one (1) year after final acceptance.
6.

Plants shall be installed near sidewalks and hardscape areas with sufficient space for future growth (to full maturity) without the obstruction of adjacent pedestrian/vehicular circulation. The owner's representative shall approve of plan installation locations. Any plant location that is deemed "too close" to sidewalk or hardscape shall be relocated.
7.

Young plants must be easily visible in the landscape after installation, to ensure that they are not trampled, neglected, or covered with rock mulch. Contractor shall flag any newly installed shrub, ground cover, or accent plant under 3" in height (above screened rock mulch) through the first season of growth. All deciduous shrubs and ground covers installed during the months of December-February and under 6" in height (above screened rock mulch) shall be flagged through the first growth season.
8.

Contractor shall provide incidental grading in all landscaped areas to bring ground to finish grade, per civil and landscape plans. Finish grade shall be raked smooth before and after installation of plants, in preparation to receive screened decorative rock mulch. No screened rock mulch shall be applied to finish grade that is pock marked, trampled, settled, or eroded until after incidental grading to smooth surface.
9.

All decorative screened rock shall be 1/2" (min.) below sidewalks and hardscape surfaces.
10.

Contractor shall call in an Arizona 811 request at least 48 hours prior to any construction.
11.

All signage and lighting to be addressed as part of a separate review and approval.
12.

All meters, shall have a backflow protection device installed on the customer side of the meter.
13.

Trees and shrubs shall be adequately supported when planted.
14.

One (1) landscape island shall be placed every 9 parking spaces. One (1) canopy tree shall be planted per each landscape island. Per Oro Valley Zoning Code Section 27.6.C.6.B.ii.
15.

Every landscape island in parking areas shall be designed for rainwater harvest. Per Oro Valley Zoning Code Code Section 27.6.C.6.B.ii.
16.

A license agreement must be approved by town council prior to planting any landscape materials in the town right of way. Walls shall require a separate permit. Right-of-way use permit is required for all plants in the project's right-of-way improvement area.

PROJECT SITE PLANT SCHEDULE									
	BOTANICAL NAME COMMON NAME	SIZE	QTY	WATER USE TYPE	ADWR ANNUAL USE AT MATURITY (GAL)	ANNUAL WATER USE (GAL)	MONTHLY WATER USE (GAL)		
TREES	ACACIA CONSTRICTA WHITETHORN ACACIA	15 GAL TOS	20 1	1	1,754 1,754	24,556 1,754	2,046 146		
	ACACIA GREGGII CATCLAW ACACIA	48" BOX 36" BOX 15 GAL	3 3 21	1 1 1	1,754 1,754 1,754	5,262 5,262 36,834	439 439 3,070		
	CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	15 GAL	11	2	228	2,508	209		
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL	17	2	5,702	102,636	8,553		
	LYSILOMA WATSONII FEATHER TREE	15 GAL	18	2	5,702	102,636	8,553		
	OLNEYA TESOTA IRONWOOD TREE	15 GAL TOS	8 2	1 1	2,741 2,741	21,928 5,482	1,827 457		
	PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL TOS	1 1 18 1	2 2 1 2	5,702 5,702 5,702 5,702	5,702 5,702 102,706 5,702	475 475 8,553 475		
	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	48" BOX 36" BOX 15 GAL TOS	16 16 73 15	1 1 1 1	1,754 1,754 1,754 1,754	28,064 28,064 128,042 26,310	2,339 2,339 10,870 2,193		
	PROSOPIS VELUTINA VELVET MESQUITE	48" BOX 36" BOX 15 GAL TOS	10 10 33 4	2 2 2 2	5,702 5,702 5,702 5,702	57,020 57,020 188,166 22,808	4,752 4,752 15,681 1,901		
	PROSOPIS GLANDULOSA HONEY MESQUITE	15 GAL	12	2	5,702	68,424	5,702		
SHRUBS	AMBROSIA DELTOIDEA TRIANGLELEAF BURSAGE	5 GAL	125	1	39	5,304	442		
	ANISACANTHUS THURBERI DESERT HONEYSUCKLE	5 GAL	27	2	101	2,727	227		
	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL	185	2	57	10,659	888		
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL	33	1	70	2,450	204		
	CELTIS PALIDA DESERT HACKBERRY	5 GAL TOS	4 1	2 2	634 634	2,536 634	211 53		
	DODONEA VISCOSEA GREEN HOPESEED BUSH	5 GAL	33	1	632	20,856	1,738		
	ENCELIA FARINOSA BRITTLEBUSH	5 GAL	53	1	39	2,184	182		
	LARREA TRIDENTATA CREOSOTE	5 GAL	64	1	632	40,448	3,371		
	LEUCOPHYLLUM SPP. TEXAS RANGER ANY CULTIVAR	5 GAL	39	1	158	6,162	514		
	PENSTEMON SUPERBUS SUPERB PENSTEMON	5 GAL	85	2	201	23,718	1,977		
ACCENTS & SUCCULENTS	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL	10	1	39	390	33		
	ZIZIPHUS OBTUSIFOLIA GRAYTHORN	5 GAL	3	1	1,754	5,262	439		
	AGAVE COLORATA MESCAL CENIZA	5 GAL	66	1	39	2,613	218		
	AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL	44	2	101	4,747	396		
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL	165	2	25	4,550	379		
	BAILEYA MULTIRADIATA DESERT MARIGOLD	5 GAL	229	2	6	1,374	115		
	CARNEGIA GIGANTEA SAGUARO	5 GAL TOS	13 14	1 1	2,741 2,741	35,633 38,374	2,969 3,198		
	DASYLIRON WHEELERI DESERT SPOON	5 GAL	47	1	110	5,170	431		
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL	105	2	29	3,190	266		
	ECHINOCHEREUS SPP. HEDGEHOG CACTUS	5 GAL	74	1	18	1,620	135		
GROUND COVER	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL	166	1	39	6,357	530		
	FEROCACTUS WISLIZENII FISHHOOK BARREL	5 GAL TOS	35 53	1 1	10 530	350 530	29 44		
	FOUQUIERIA SPLENDENS COTILLO	5 GAL TOS	12 15	1 1	281 4,215	3,372 4,215	281 351		
	JUSTICIA CALIFORNICA CHUPUROSA	5 GAL	38	2	101	4,141	345		
	OPUNTIA ENGELMANNII LINGUIFORMIS COWS TONGUE PRICKLY PEAR	5 GAL	5	1	158	948	79		
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL	32	1	158	5,530	461		
	OPUNTIA MICRODASYS 'YELLOW' YELLOW BUNNY EARS PRICKLY PEAR	5 GAL	37	1	158	7,268	606		
	OPUNTIA VIOLACEA 'SANTA RITA' SANTA RITA PRICKLY PEAR	5 GAL	44	1	158	7,110	593		
	PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL	75	2	25	2,075	173		
	YUCCA ELATA SOAP TREE YUCCA	TOS	1	1	281	281	23		
INERT GROUND COVER	YUCCA RIGIDA BLUE TREE YUCCA	5 GAL	43	1	110	4,840	403		
	MELAMPODIUM LEUCANTHUM BLACKFOOT DAISY	5 GAL	110	2	25	2,750	229		
	SMALL ROCK. SEE SHEET R-9 LS PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.								
	RIGHT-OF-WAY SCREENED ROCK TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE. INSTALL IN LANDSCAPE BUFFERYARD 15 FT WIDE STRIP ALONG OUTSIDE OF VISTOSO HIGHLANDS THEME/ACCENT WALLS.								
	DECORATIVE RIP RAP MFR: ROCK PROS USA. SIZE: 2"-4". COLOR: APACHE GOLD. INSTALL AT SITE MONUMENT AND AMENITY ACCENT AREAS (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)								
	DESERT COBBLE 25% MIX & HYDROSEED MIX. (SEE SHEET LS-4 FOR DETAILS.) MFR: ROCK PROS USA. SIZE & APPLICATION: 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE. (SEE DESERT COBBLE ROCK MIX FOR TYPE, SIZE, COLOR, & QUANTITY MIXTURE OF ROCK.) INSTALL SOUTH OF SITE BELOW PARKING INCLUDING RAINWATER HARVESTING BASINS & PROJECT EAST SIDE. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)								
	DESERT COBBLE ROCK MIX 100%. MFR: ROCK PROS USA. (40%) # SCREENED ROCK, COLOR: APACHE GOLD. + (25%) 1" SCREENED ROCK, COLOR: SILVERBELL APACHE GOLD. + (10%) 2" SCREENED ROCK, COLOR: SILVERBELL APACHE GOLD. + (15%) 2" TO 4" RIP-RAP, COLOR: APACHE GOLD.) APPLY AT 100% COVERAGE IN COMMON AREAS & PARKING ISLANDS. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)								
	BOULDERS: MFR: ROCK PROS USA. COLOR: APACHE GOLD. SMALL (2X3) 102 LARGE (3X4) 69								

RIGHT-OF-WAY PLANT SCHEDULE									
	BOTANICAL NAME COMMON NAME	SIZE	QTY	WATER USE TYPE	ADWR ANNUAL USE AT MATURITY (GAL)	ANNUAL WATER USE (GAL)	MONTHLY WATER USE (GAL)		
ACCENTS & SUCCULENTS	AGAVE COLORATA MESCAL CENIZA	5 GAL	6	1	39	234	20		
	ALOE X 'BLUE ELF' BLUE ELF ALOE	5 GAL	10	2	912	9,120	760		
	CARNEGIA GIGANTEA SAGUARO	TOS	4	1	2,741	16,446	1,371		
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL	5	3	29	145	12		
	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL	6	1	39	234	20		
	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL	6	1	39	234	20		
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL	6	1	158	948	79		

NOTE: THE PLANTS ON THE RIGHT OF WAY PLANT SCHEDULE REPRESENT THOSE PLANTS IDENTIFIED AS PART OF THE EXISTING RIGHT-OF-WAY LANDSCAPE.

HYDROSEED MIX  
(FOR USE ALONG EXTERNAL SOUTHWESTERN, SOUTHEASTERN, & SOUTHERN PROJECT BOUNDARIES)

NOTE: HYDROSEED MIX MEETS ADDENDUM (D) ORO VALLEY APPROVED REVEGETATION SEED MIX PER TOWN OF ORO VALLEY ZONING CODE.

TREES				
CHILOPSIS LINEARA	DESERT WILLOW	0.5	PLS/ACRE	
OLNEYA TESOTA	IRONWOOD	1	PLS/ACRE	
PARKINSONIA FLORIDA	BLUE PALO VERDE	1	PLS/ACRE	
PARKINSONIA MICROPHYLLUM	FOOTHILLS PAL VERDE	1	PLS/ACRE	
PROSOPIS VELUTINA	VELVET MESQUITE	1	PLS/ACRE	
SAMBUCAS MEXICANA	MEXICAN ELDERBERRY	0.5	PLS/ACRE	

SHRUBS				
REQUIRED: AT LEAST 4 SPECIES & MIN. 5 PLS/ACRE				
AMBROSIA DELTOIDEA	TRIANGLE LEAF BURSAGE	2	PLS/ACRE	
CALLIANDRA ERIOPHYLLA	FAIRY DUSTER	1	PLS/ACRE	
ENCELIA FARINOSA	BRITTLEBUSH	2	PLS/ACRE	
LARREA TRIDENTATA	CREOSOTE	1	PLS/ACRE	

SMALL PERENNIALS				
REQUIRED AT LEAST 4 SPECIES & MIN 5 PLS/ACRE				
BAILEYA MULTIRADIATA	DESERT MARIGOLD	2	PLS/ACRE	
PSILOSTROPHE COOPERI	PAPER FLOWER	1	PLS/ACRE	
SPHAERALCEA AMBIGUA	DESERT GLOBEMALLOW	1	PLS/ACRE	
ZINNIA PUMILA	DESERT ZINNIA	2	PLS/ACRE	

PERENNIAL GRASSES				
REQUIRED AT LEAST 4 SPECIES & MIN 5 PLS/ACRE				
ARISTIDA PURPUREA	PURPLE THREE-AWN	2	PLS/ACRE	
BOUTELOUA CURTIPENDULA	SIDE-OATS GRAMA	1	PLS/ACRE	
DIGITARIA CALIFORNICA	ARIZONA COTTONTOP	0.5	PLS/ACRE	
ERAGROSTIS INTERMEDIA	PLAINS LOVE GRASS	1	PLS/ACRE	
SPOROBOULS CRYPTANDRUS	SAND DROPSEED	0.5	PLS/ACRE	

ANNUAL HERBS & GRASSES				
REQUIRED AT LEAST 4 SPECIES & MIN 5 PLS/ACRE				
DATURA DISCOLOR	SACRED DATURA	0.5	PLS/ACRE	
ERIGERON DIVERGENS	SPREADING FLEABANE	0.5	PLS/ACRE	
	PLS/ACRE			
KALLSTROEMIA GRANDIFLORA	ARIZONA POPPY	2	PLS/ACRE	
LUPINUS SPARSIFLORUS	DESERT LUPINE	1	PLS/ACRE	
PENSTEMON PARRYI	PARRY'S PENSTEMON	1	PLS/ACRE	

TOTAL 27 PLS/ACRE

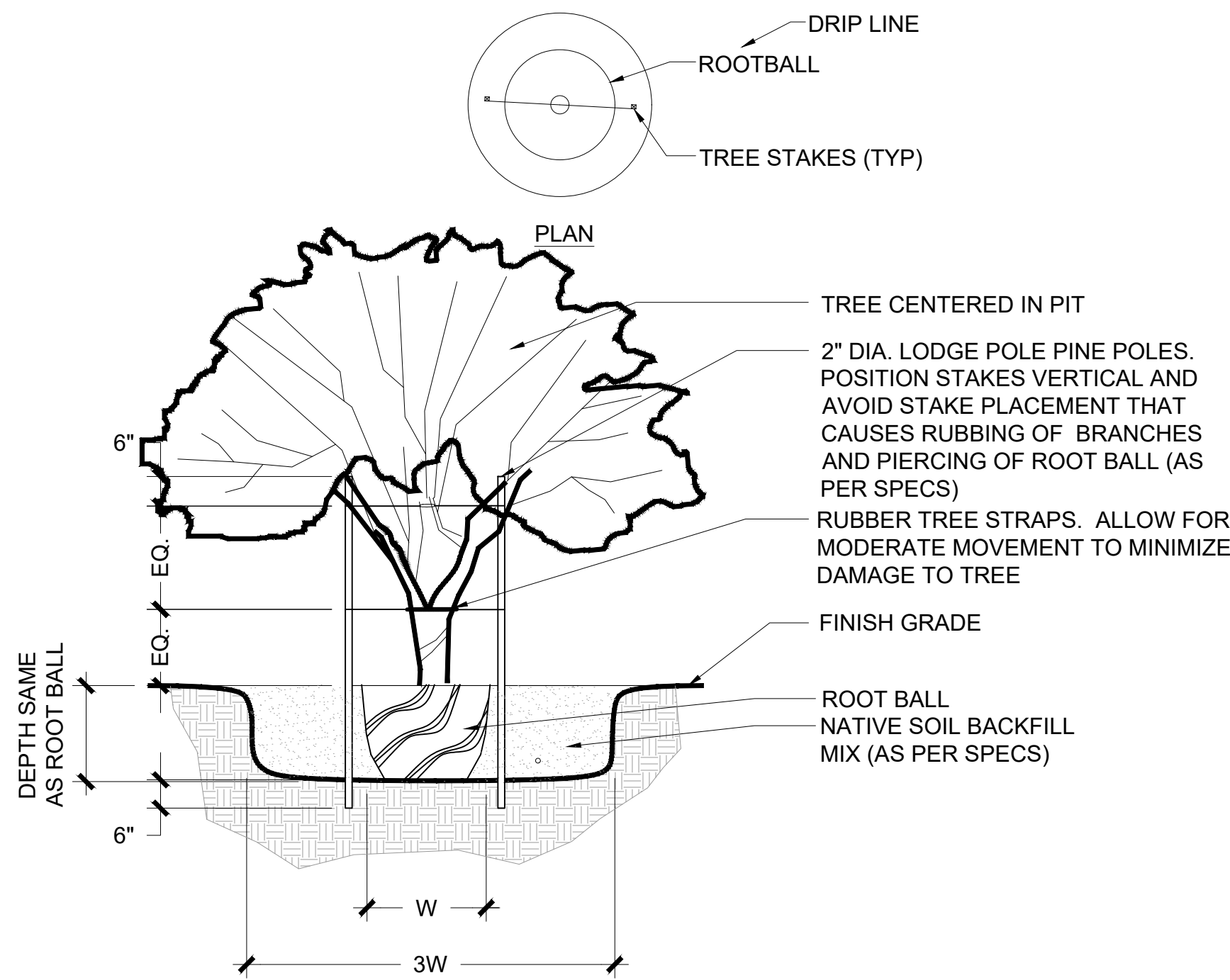
NOTE: APPLY PER PAG STANDARD SPECIFICATION 805 CLASS II SEEDING.

#	REVISIONS/SUBMITTALS	DATE

LANDSCAPE NOTES



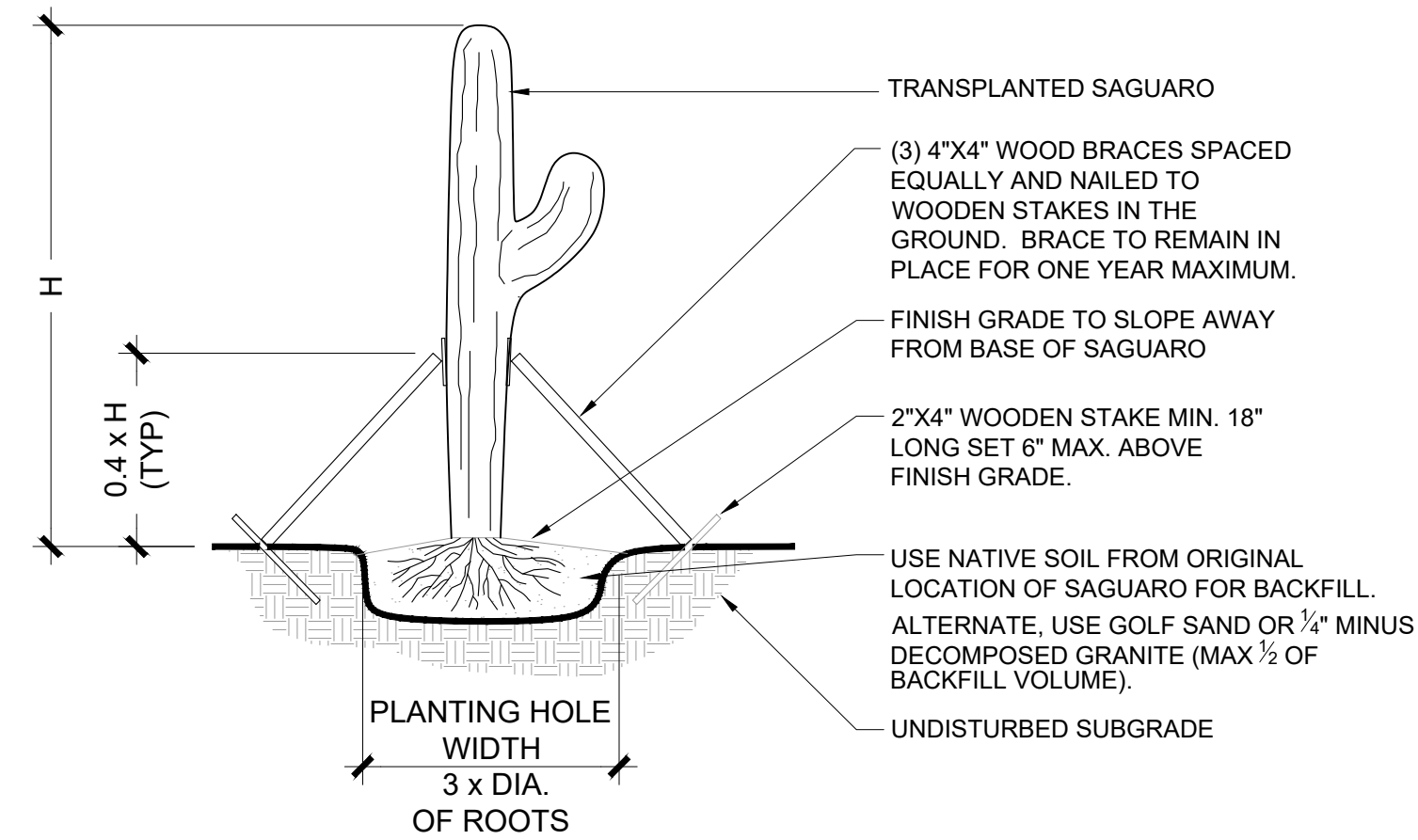




- NOTES:
1. MARK THE NORTH SIDE OF THE TREE IN THE FIELD BEFORE TRANSPLANTING, AND WHEN TRANSPLANTING ROTATE THE TREE TO FACE NORTH, WHENEVER POSSIBLE.
  2. STAKING SHALL BE CONSTRUCTED SO TRUNK HAS FLEXIBILITY.
  3. SUFFICIENT CLEARANCE SHALL BE MAINTAINED BETWEEN PLANTS AND UTILITY FACILITIES SO AS TO NOT HINDER UTILITY MAINTENANCE.
  4. PRUNE TREE AT TIME OF STAKE REMOVAL, ONE YEAR AFTER INSTALLATION.
  5. TREES SHALL BE MAINTAINED IN THEIR NATURAL FORM. OVER PRUNING AND/OR "BALLING" IS PROHIBITED.

## 1 TREE PLANTING

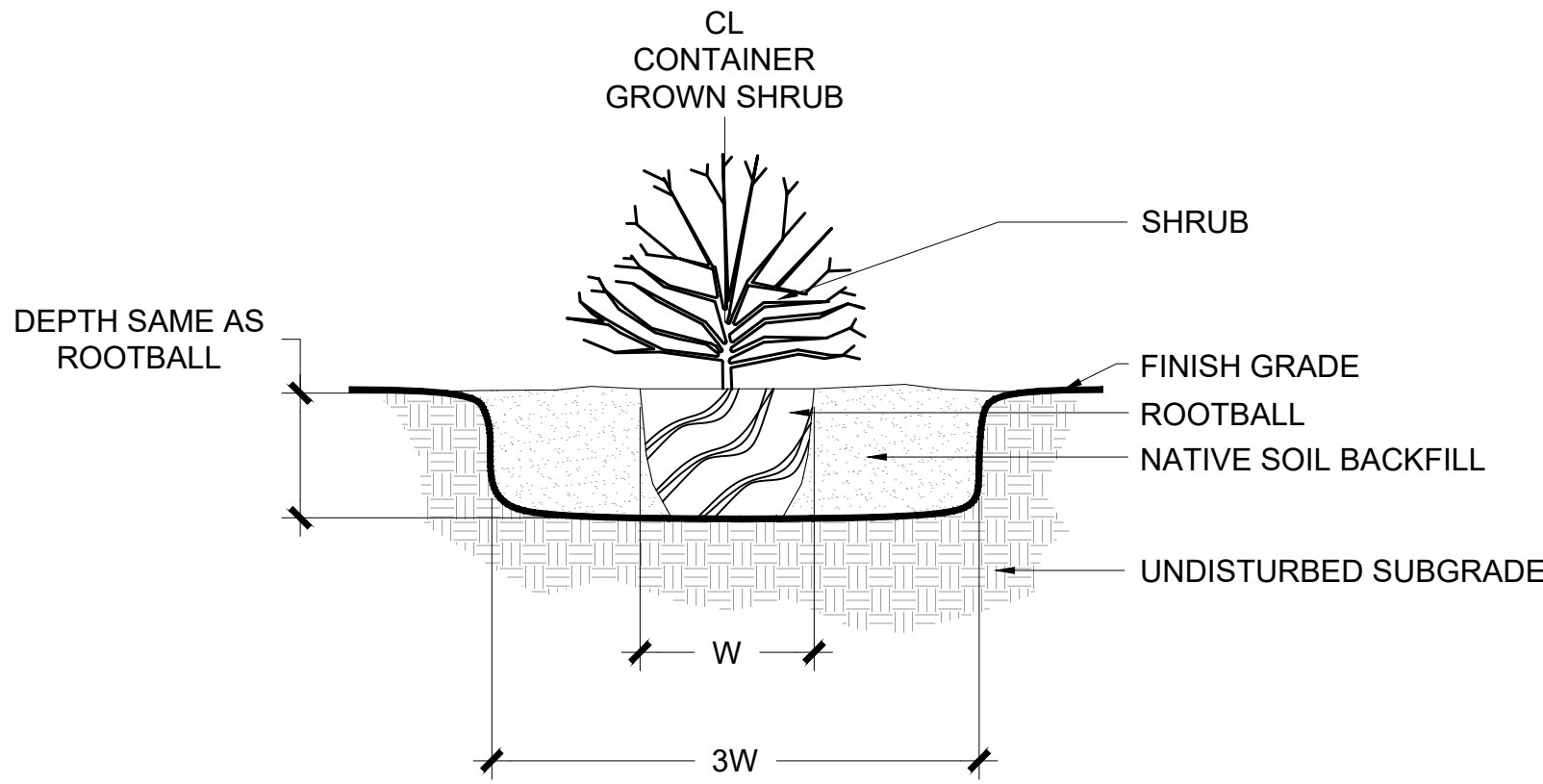
NTS



- NOTES:
1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS & DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULFUR (1.5 MIN) AND STREPTOMYCIN SPRAY AT PLANTING SITE. ROOTBALL SHALL BE 24" MIN WITH A MINIMUM ROOT LENGTH OF 6" ALL SIDES.
  2. CONTRACTOR TO USE ONLY SAGUAROS ORIENTED WITH TRUE NORTH AND LOCATE IN HOLE WITH USE OF COMPASS.
  3. TRANSPLANT TO ORIGINAL DEPTH OF BURY.
  4. LENGTH OF WOOD BRACES AND DISTANCE FROM BASE WILL VARY WITH HEIGHT AND WEIGHT OF SAGUARO AS WELL AS SLOPE OF GRADE. CUT AND POSITION STAKES AT AN ANGLE TO BEST SUPPORT EACH INDIVIDUAL SAGUARO.
  5. DO NOT WATER.
  6. REPLANT AND RESTAKE IF SAGUARO BECOMES UNSTABLE DUE TO WIND, RAIN, OVER WATERING, OR ANY OTHER REASON.

## 6 SAGUARO INSTALLATION

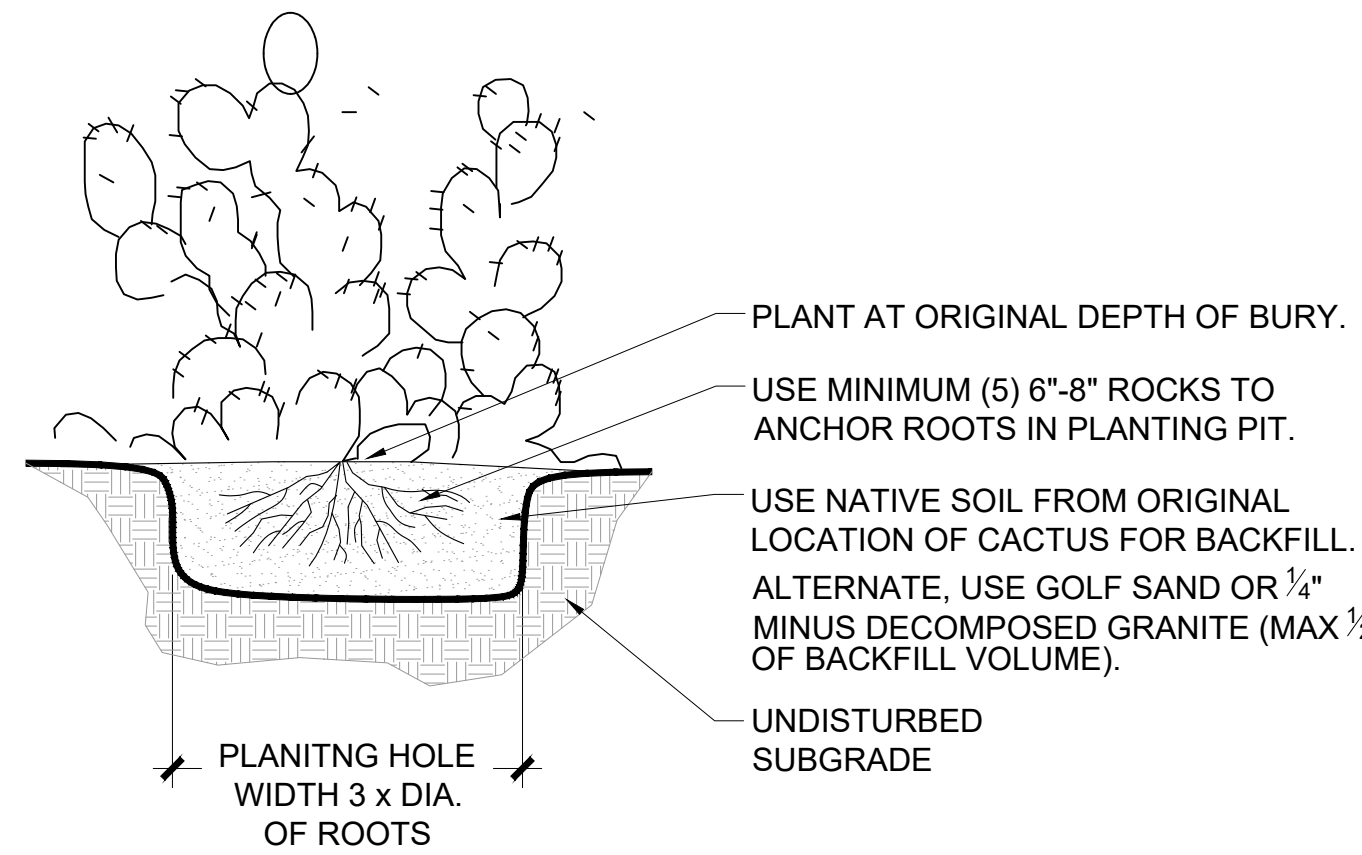
NTS



- NOTES:
1. SUFFICIENT CLEARANCE SHALL BE MAINTAINED BETWEEN PLANTS AND UTILITY FACILITIES SO AS TO NOT HINDER UTILITY MAINTENANCE.
  2. CONTRACTOR SHALL ASSURE THAT PLANTS ARE LOCATED SO THAT AT FULL GROWTH PLANTS DO NOT INTERFERE WITH HARDSCAPE SURFACES SUCH AS WALKS AND PATHS.
  3. PLANTS SHALL BE MAINTAINED IN THEIR NATURAL FORM. OVER PRUNING AND/OR "BALLING" IS PROHIBITED.
  4. BLOOMING AGAVES SHALL NOT BE REPLACED UNTIL BLOOM AND STALK ARE COMPLETELY SPENT.
  5. BLOOM STALKS OF OTHER ACCENTS SUCH AS DESERT SPOONS AND YUCCAS SHALL REMAIN IN PLACE UNTIL STALK IS COMPLETELY SPENT.

## 2 SHRUB & ACCENT PLANTING

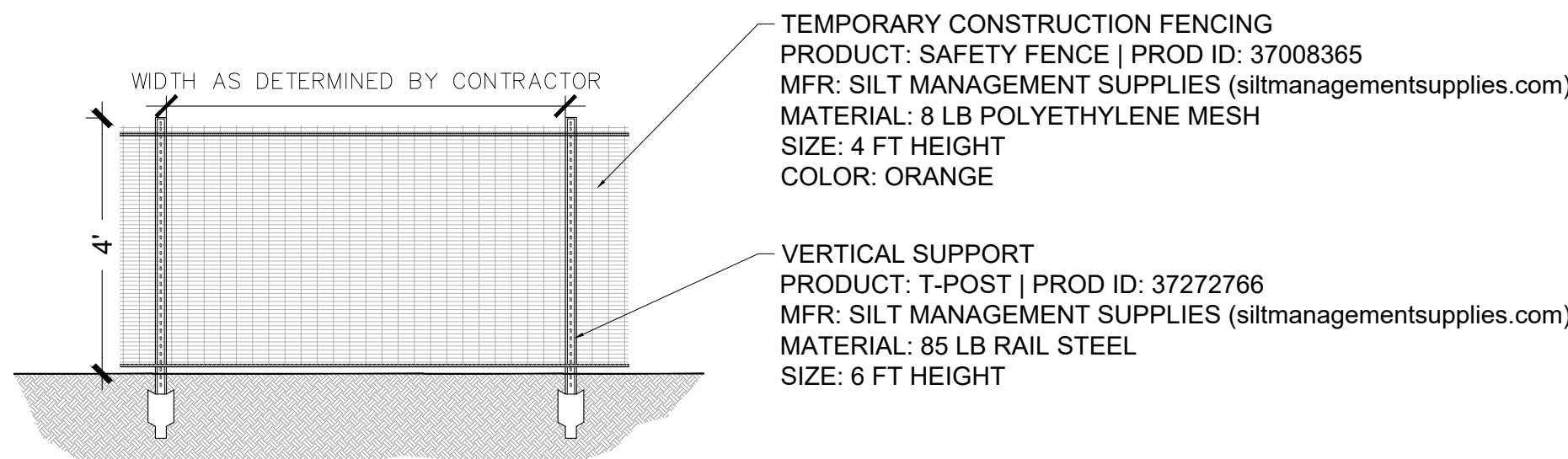
SCALE: NTS



- NOTES:
1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS & DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULFUR (1.5 MIN) AND STREPTOMYCIN SPRAY AT PLANTING SITE. ROOTBALL SHALL BE 24" MIN WITH A MINIMUM ROOT LENGTH OF 6" ALL SIDES.
  2. WATER WITH INSTALLATION AND WATER WEEKLY UNTIL MONSOONS ARRIVE IF TRANSPLANTED BETWEEN MAY-AUGUST.
  3. REPLANT IF CACTUS BECOMES UNSTABLE DUE TO WIND, RAIN, OVER WATERING, OR ANY OTHER REASON.

## 4 SMALL CACTUS INSTALLATION

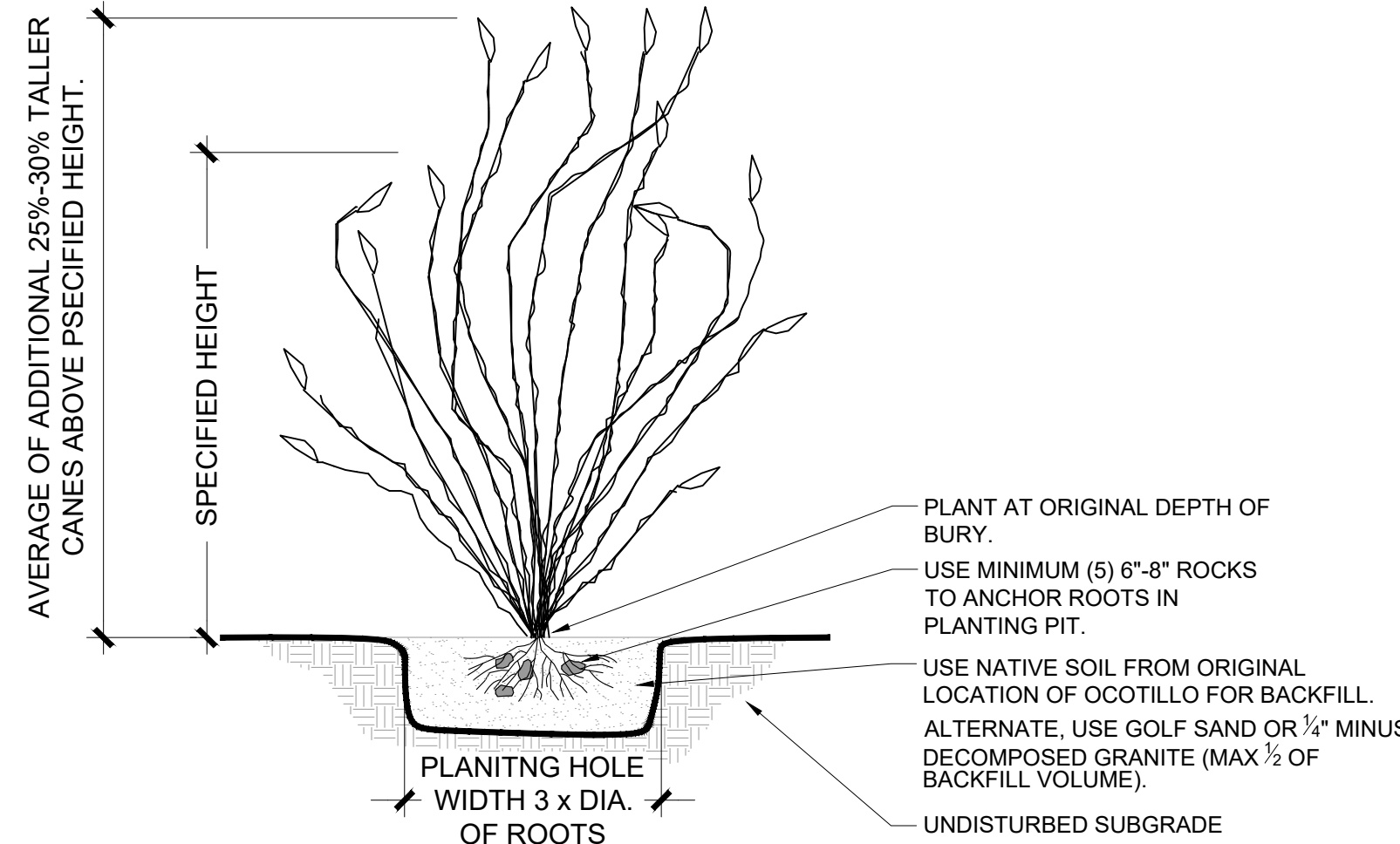
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- NOTES:
1. TEMPORARY CONSTRUCTION FENCING TO BE PLACED AT LIMITS OF GRADING TO PROTECT EXISTING VEGETATION.
  2. NOTE: CONTRACTOR TO DETERMINE MATERIAL TYPE APPROPRIATE TO SITE CONSTRUCTION. MATERIAL SPECIFICATIONS DENOTE TYPICAL PRODUCT TYPE.

## 7 TEMPORARY CONSTRUCTION FENCE

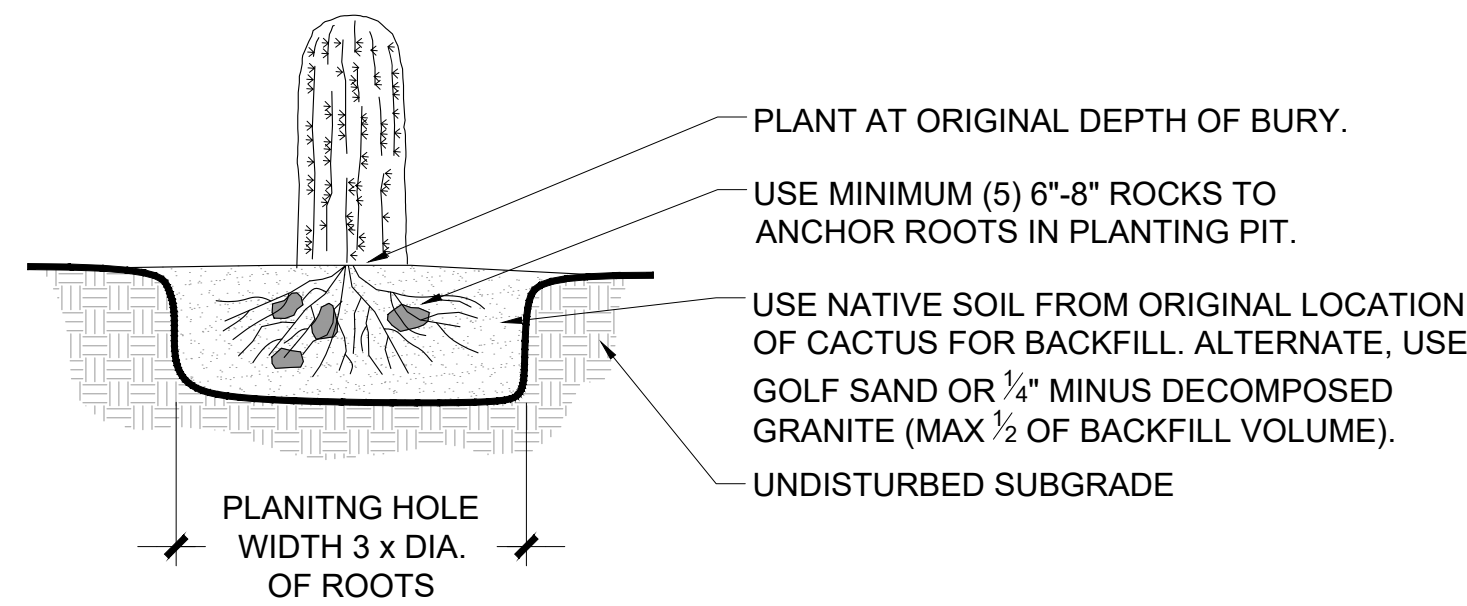
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- NOTES:
1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS & DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULFUR (1.5 MIN) AND STREPTOMYCIN SPRAY AT PLANTING SITE. ROOTBALL SHALL BE 24" MIN WITH A MINIMUM ROOT LENGTH OF 6" ALL SIDES.
  2. WATER WITH INSTALLATION AND WATER WEEKLY UNTIL MONSOONS ARRIVE IF TRANSPLANTED BETWEEN MAY-AUGUST.
  3. REPLANT IF OCOTILLO BECOMES UNSTABLE DUE TO WIND, RAIN, OVER WATERING, OR ANY OTHER REASON.

## 3 OCOTILLO PLANTING

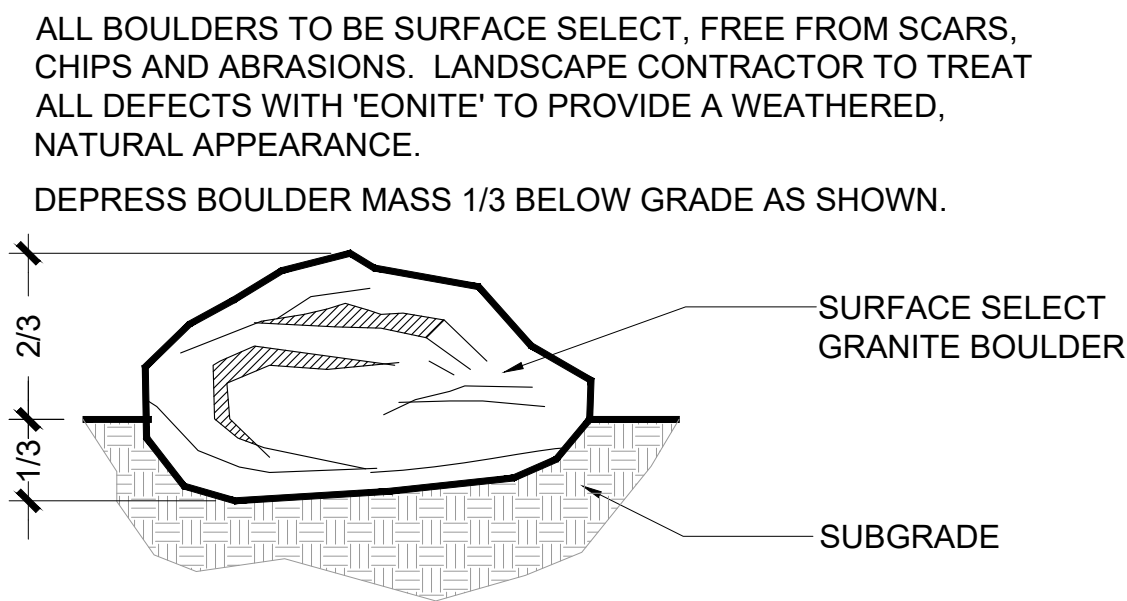
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- NOTES:
1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS & DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULFUR (1.5 MIN) AND STREPTOMYCIN SPRAY AT PLANTING SITE. ROOTBALL SHALL BE 24" MIN WITH A MINIMUM ROOT LENGTH OF 6" ALL SIDES.
  2. WATER WITH INSTALLATION AND WATER WEEKLY UNTIL MONSOONS ARRIVE IF TRANSPLANTED BETWEEN MAY-AUGUST.
  3. REPLANT IF BARREL CACTUS BECOMES UNSTABLE DUE TO WIND, RAIN, OVER WATERING, OR ANY OTHER REASON.

## 5 BARREL CACTUS PLANTING

NTS



## 8 BOULDER PLACEMENT

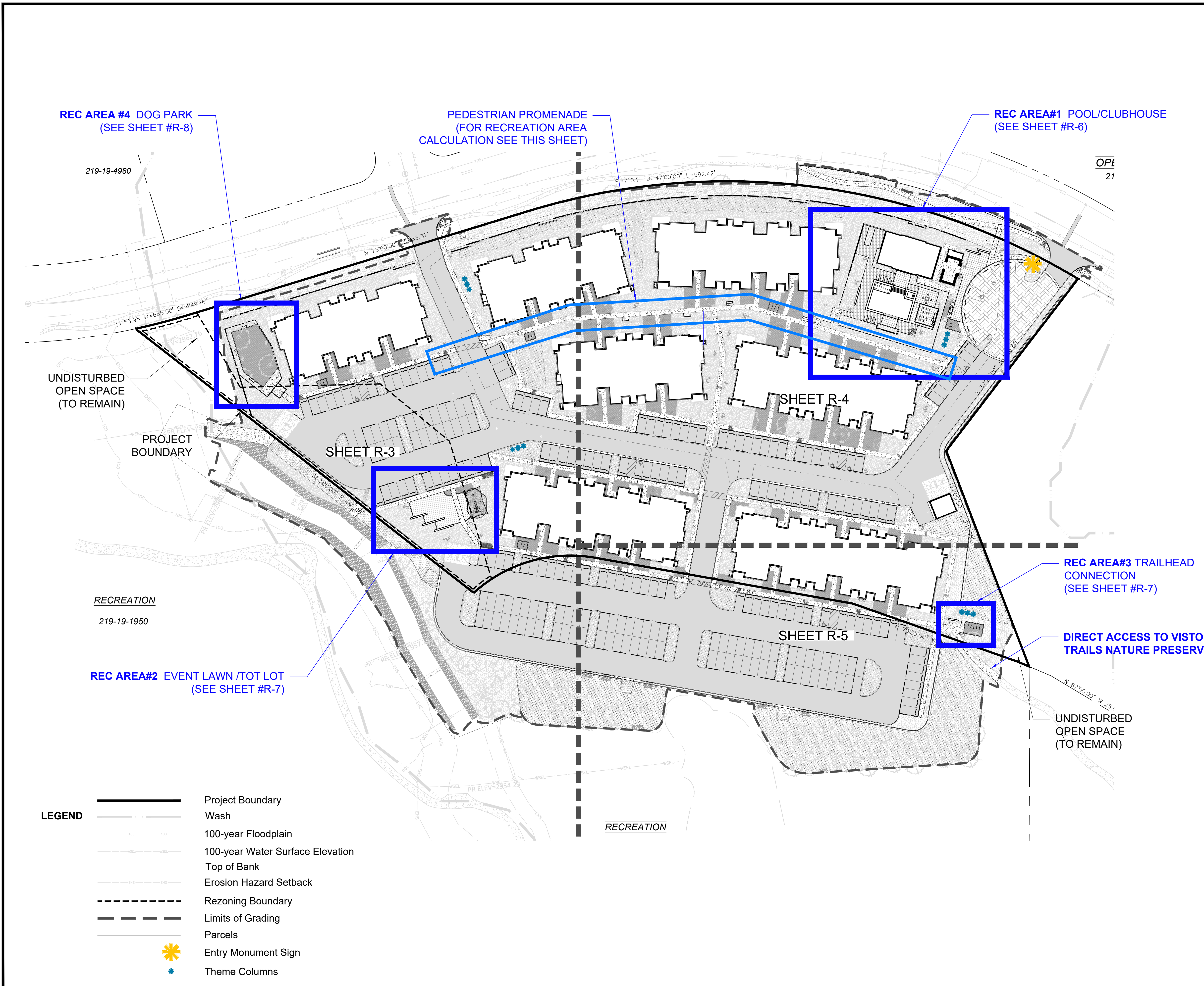
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#	REVISIONS/SUBMITTALS	DATE

## LANDSCAPE DETAILS







**RECREATION AREA NOTES**  
TOTAL RECREATION AREA PROVIDED (SQUARE FEET):  
AREA#1 - POOL / CLUBHOUSE: 11,687 SF  
PEDESTRIAN PROMENADE: 10,176 SF  
AREA#2 - EVENT LAWN / TOT LOT: 6,072 SF  
AREA#3 - TRAILHEAD: 1,998 SF  
AREA#4 - DOG PARK: 3,695 SF  
**TOTAL: 33,695 SF (APPROX. 0.77 AC)**

**RECREATION AREA DESCRIPTIONS**

**RECREATION AREA #1: POOL / CLUBHOUSE**  
THE POOL AMENITY AREA IS LOCATED ADJACENT TO THE CLUBHOUSE. THIS OUTDOOR SPACE IS ACCESSED FROM A CENTRALIZED DOUBLE DOOR ENTRY BETWEEN THE LEASING CENTER AND GYM. THE SPACE PROVIDES AMENITIES FOR SWIMMING, OUTDOOR DINING, LOUNGING, AND SOCIAL GATHERING WITH DAYTIME AND NIGHTTIME ACTIVITY SPACES. RESTROOMS ARE ACCESSIBLE VIA A SIDE ENTRY TO THE CLUBHOUSE FROM THE POOL AREA. THE MAIN BUILDING ENTRY FOR VISITORS FACES THE SEMICIRCULAR PARKING.

**AMENITIES**  
POOL WITH FOUNTAIN & HOT TUB  
DECK & POOL LOUNGE SEATING  
FIRE PIT  
PERGOLA  
OUTDOOR KITCHEN COUNTER/GRILL  
PICNIC TABLES  
SHADED DINING TABLES  
SEAT WALLS  
RAISED PLANTERS  
DECORATIVE HARDSCAPE  
THEME COLUMNS  
ENHANCED VEGETATED LANDSCAPE  
BIKE PARKING

**RECREATION AREA #2: EVENT LAWN / TOT LOT**  
AN AREA OF SYNTHETIC TURF IS PROVIDED FOR OUTDOOR EVENTS & ENTERTAINMENT SPACE LOCATED IN THE TRIANGULAR SPACE NEAR THE SOUTHWEST BUILDING. IT CONTAINS A PRIVATE SEATING AREA AND SEAT WALLS FOR REST AND REFLECTION. A SMALL SHADED TOT LOT IS PROVIDED FOR RESIDENTS AND VISITORS CHILDREN'S OUTDOOR RECREATION.

**AMENITIES**  
LAWN  
SEAT WALLS  
APPROX. 515 SF SHADED CHILDREN'S PLAY AREA  
THEME COLUMNS  
ENHANCED VEGETATED LANDSCAPE  
BIKE PARKING

**RECREATION AREA #3: TRAILHEAD**  
A TRAILHEAD ON THE SOUTHEAST CORNER OF THE PROPERTY IS PROVIDED WITH A PATH CONNECTING RESIDENTS TO THE TOWN'S EXISTING MULTI-USE TRAIL. BIKE RACKS AND SEATING ALLOW EASY ACCESSIBILITY AND REST AS NEEDED.

**AMENITIES**  
SHADED SEAT WALL  
CONNECTING PATH TO MULTI-USE TRAIL  
THEME COLUMNS  
ENHANCED VEGETATED LANDSCAPE  
BIKE RACKS  
\*NOTE: AN ADDITIONAL BIKE RACK IS INCORPORATED NEAR THE SOUTH BUILDINGS FOR PRIVATE RESIDENTS' INTERNAL BIKE SECURITY SEPARATE FROM TRAILHEAD.

**RECREATION AREA #4: DOG PARK**  
A DOG PARK IS PROVIDED AT THE NORTHWEST CORNER OF THE SITE FOR RESIDENTS' PET EXERCISE & RELIEF. APPROXIMATELY 2300 SF OF SECURED RECREATION AREA IS SECURED BY FENCING AND CONTAINS BENCHES FOR OWNER REST.

**AMENITIES**  
SECURE FENCING  
DUAL GATED ENTRY  
APPROX. 1855 SF DOG RUN  
ENHANCED VEGETATED LANDSCAPE  
BENCHES  
PET FOUNTAIN WITH SHOWER  
PET WASTE STATIONS

**SYNTHETIC TURF INFORMATION**  
TOTAL RECREATION AREA (SQUARE FEET): 34,038 SF  
PROPOSED SYNTHETIC TURF AREA (SQUARE FEET): 1,454 SF  
PERCENTAGE OF RECREATION AREA PROPOSED AS SYNTHETIC TURF: 4%

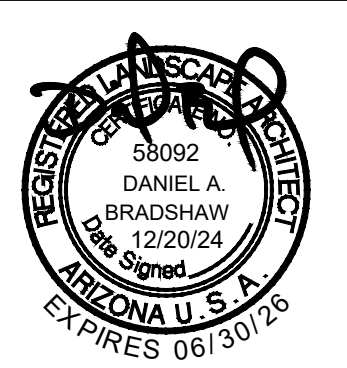
**KEY MAP**  
0' 25' 50' 100'  
SCALE: 1"=50'

- LEGEND**
- Project Boundary
  - Wash
  - 100-year Floodplain
  - 100-year Water Surface Elevation
  - Top of Bank
  - Erosion Hazard Setback
  - Rezoning Boundary
  - Limits of Grading
  - Parcels
  - Entry Monument Sign
  - Theme Columns



PROJECT: CCD-15	CALL TWO WORKING DAYS BEFORE YOU DIG	#	REVISIONS/SUBMITTALS	DATE
DATE: 12/20/24	602-263-1100			
DRAWN BY: KDP	1-800-STAKE-IT			
CHECKED BY: DB	(OUTSIDE MARICOPA COUNTY)			

## RECREATION AREA & HARDSCAPE PLAN



LANDSCAPE PLAN GATEWAY AT VISTOSO PRESERVE CONSTRUCTION DRAWINGS	CASE NO: #2401047 REFERENCE: 2203155, 2301138, 2301232 R-1 19 OF 45
A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA	

ALL PROJECTS (CCD-15) AUTOMATICALLY WORKING DRAWINGS (CCD-15) IS 2 DWGS. 12/19/2024 11:32 AM KENDRA POTTER  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS SHALL REMAIN WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT THE PERMISSION FROM THE PLANNING CENTER.  
GRADING PERMIT #2401047



MATERIAL SPECIFICATIONS

NOTE: SPECIFICATION NUMBER MATCHES NUMBER OF KEY NOTE ON LANDSCAPE RECREATION & HARDSCAPE PLANS (SEE THIS PAGE FOR LEGEND.)

HARDSCAPE SPECIFICATIONS (NOTE: ALL PRODUCTS & MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS)

1. **SYNTHETIC TURF:** MFR: SOUTHWEST GREENS OF TUCSON (southwestgreens.com). | **PRODUCT:** BOLT 80 SYNTHETIC TURF. | **STYLE:** GB-042. | **FACE WEIGHT:** 80 | **PILE HEIGHT:** 2 IN. | **COLOR:** 301 OLIVE BLEND. | **INSTALL:** INSTALL ON 1/4" DG OF 3" DEPTH, COMPACTED TO 95%.
2. **POOL PAVER A (MAIN AREAS):** MFR: ARTISTIC PAVERS (artisticpavers.com). | **PRODUCT:** DESERTLOCK | **SIZE:** 16" x 16". | **COLOR:** CAPPUCCINO | **FINISH:** POLISHED. | **INSTALL:** STRAIGHT OFFSET.
3. **POOL PAVER B (ACCENT AREAS):** MFR: ARTISTIC PAVERS (artisticpavers.com). | **PRODUCT:** PLANKLOCK. | **SIZE:** 8"x 24". | **COLOR:** SAND. | **FINISH:** POLISHED. | **INSTALL:** INSTALL STRAIGHT OFFSET, PERPENDICULAR TO MAIN POOL PAVER.
4. **CONCRETE SIDEWALK:** STANDARD CONCRETE PAVEMENT (SEE CIVIL PLANS FOR DETAIL.)
5. **CONCRETE HEADER:** SEE DETAIL 3 SHEET HD-2.
6. **BICYCLE PARKING SURFACE & HEADER:** SEE DETAILS 4 & 5 SHEET HD-2. SEE KEYNOTE #70 THIS SHEET FOR BIKE SURFACE ROCK SIZE & COLOR.
7. **RAISED PLANTER:** SEE DETAIL 9 SHEET HD-2.
8. **SEAT WALL:** SEE DETAILS 7 & 8 SHEET HD-2.
9. **ENTRY MONUMENT SIGN:** SEE DETAIL 3 SHEET HD-3.
10. **THEME COLUMN:** CMU WITH STONE VENEER ALL SIDES & STONE PAVER CAP. SEE DETAIL 4 SHEET HD-3.
- STONE VENEER: TO MATCH ACCENT WALL. SEE #12 SPECIFICATION THIS SHEET.
- STONE PAVER CAP: TO MATCH ACCENT WALL. MFR: ARTISTIC PAVERS (artisticpavers.com). | **PRODUCT:** DESERTLOCK. | **SIZE:** 16"x16". | **COLOR:** CAPPUCCINO. | **FINISH:** POLISHED & ANTIQUED.
11. **THEME WALL:** CMU WITH STUCCO VENEER ALL SIDES. | **FINISH:** SAND FINISH. | **COLOR:** DE6105 WEATHERED LEATHER. (TO MATCH ARCHITECTURE COLOR SCHEME 1 RV COLOR PALLETTE 10 TAG ST-1.) SEE DETAIL 2 SHEET HD-4.
12. **ACCENT WALL:** CMU WITH STONE VENEER FRONT/ STUCCO VENEER BACK / STONE PAVER CAP & SIDES.
- STONE VENEER FRONT (EXTERNAL TO SITE, FACING STREET): **COLOR/FINISH/SIZE:** CLIFFSTONE-MESQUITE (TO MATCH ARCHITECTURE STONE VENEER TAG SV-1.)
- STUCCO VENEER BACK (INTERNAL TO SITE): **COLOR/FINISH:** TO MATCH THEME WALL. SEE #11 SPECIFICATION THIS SHEET.
- STONE PAVER CAP: MFR: ARTISTIC PAVERS (artisticpavers.com). | **PRODUCT:** PLANKLOCK. | **SIZE:** 8"x24". | **COLOR:** SAND. | **FINISH:** POLISHED & ANTIQUED.
13. **VIEW FENCE:** CONTRACTOR TO PROVIDE SHOP DRAWINGS & SPECIFICATIONS. SEE DETAIL 1 & 2 SHEET HD-6.
14. **VEHICULAR PAVER (ENTRY PARKING):** MFR: BELGARD (belgardcommercial.com). | **PRODUCT:** CAMBRIDGE COBBLE CIRCLE KIT. | **SIZE:** 6"w x Variable x 2 3/8" h. | **COLOR:** SIERRA. | **INSTALL:** INSTALL USING MFR CIRCLE PATTERN PER MANUFACTURER'S SPECIFICATIONS FOR VEHICULAR USE AREAS.
15. **5' HIGH SCREEN WALL:** SPLITFACE MASONRY BLOCK WITH UNIFORM MASONRY BLOCK CAP.
- SPLIT FACE MASONRY BLOCK: MFR: ECHELON MASONRY (echelonmasonry.com). | **PRODUCT:** SPLIT FACE MASONRY BLOCK. | **SIZE:** 6"w x 8"h x 16" I. | **INTEGRAL COLOR:** TIERRA BROWN #1.
- UNIFORM MASONRY BLOCK CAP: MFR: ECHELON MASONRY (echelonmasonry.com). | **PRODUCT:** MESASTONE UNIFORM MASONRY BLOCK. | **SIZE:** 6"w x 1" h x 16" I. | **INTEGRAL COLOR:** TIERRA BROWN #1. (4102/ GROUP A) SEE DETAIL 1 SHEET HD-4.
16. **DOG PARK FENCE:** MFR: AMETCO MANUFACTURING CORPORATION (ametco.com). | **PRODUCT:** WELDED WIRE SECURITY FENCE. | **STYLE:** AMOPANEL DESIGN. | **COLOR:** BRONZE MAT. (TO MATCH ARCHITECTURE WINDOW TRIM BRONZE CAP TAG WT-1.)

AMENITY & SITE FURNISHING SPECIFICATIONS (NOTE: ALL PRODUCTS & MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS)

30. **POOL:** DESIGNED & PERMITTED BY OTHERS.
31. **HOT TUB:** DESIGNED & PERMITTED BY OTHERS.
32. **FIRE PIT:** MFR: THE OUTDOOR GREATROOM CO. (outdoorrooms.com). | **PRODUCT:** BP30S-A CRYSTAL FIRE PLUS SQUARE GAS BURNER INSERT & PLATE KIT PLUS ELECTRIC SPARK IGNITION (MODEL BP30SDSI). | **SIZE:** 30" SQUARE. | SEE DETAIL 1 SHEET HD-3.
33. **PERGOLA:** SEE DETAILS 3 & 4 SHEET HD-6.
34. **OUTDOOR KITCHEN COUNTER/GRILL:** SEE DETAIL 2 SHEET HD-3.
35. **PICNIC TABLE:** TO BE DETERMINED BY OWNER.
36. **SHADED DINING TABLE WITH CHAIRS:** TO BE DETERMINED BY OWNER.
37. **BENCH:** MFR: FORMS + SURFACES (forms-surfaces.com). | **PRODUCT:** SBCOR-72NA. CORDIA BENCH WITH ALUMINUM SLATS, BACKED. | **SIZE:** 6'. | **FINISH:** POWDER COATED METAL. | **COLOR:** DARK BRONZE METALLIC TEXTURE. (TO MATCH ARCHITECTURAL WINDOW TRIM BRONZE CAP TAG WT-1.) | **INSTALL:** SURFACE MOUNT WITH FOOTER.
38. **DECK LOUNGE SEATING AREA (7 CHAIRS):** TO BE DETERMINED BY OWNER.
39. **POOL LOUNGE SEATING AREA (4 CHAIRS):** TO BE DETERMINED BY OWNER.
40. **TRASH RECEPACLE:** PER OWNER SELECTION. | **COLOR:** TO MATCH SITE FURNISHINGS TO DETERMINED BY OWNER.
41. **BICYCLE RACK:** MFR: LANDSCAPE FORMS (landscapeforms.com). | **PRODUCT:** EMERSON BIKE RACK. | **SIZE:** 4"w x 20"d x 30"h. | **FINISH:** ARCHITECTURE LINE POWDER COATED METAL. | **COLOR:** ONYX (TO MATCH ARCHITECTURAL WINDOW TRIM BRONZE CAP TAG WT-1.)
42. **PLANTER:** MFR: QCP CORP (qcp-corp.com). | **PRODUCT:** QR-CE3648P. CASCADE ROUND PRECAST CONCRETE PLANTER. | **SIZE:** 36" diam. x 48"h. (31" Top I.D. | 36" Top O.D.) | **COLOR:** LATTE | **FINISH:** HONED.
43. **PLAY EQUIPMENT (POST & PLATFORM STRUCTURE WITH INTEGRATED SLIDE):** MFR: BLUEGRASS PLAYGROUND INC. (bluegrassplayground.com). | **PRODUCT:** 911-249N. STANDARD #1 PLAYGROUND (PERMANENT) | **SIZE:** 6' x 12'. | **COLOR:** NATURAL COLOR SCHEME.
44. **TENSIL SHADE STRUCTURE:** MFR: DISCOUNT PLAYGROUND SUPPLY (discountplaygroundsupply.com). | **PRODUCT:** RECTANGULAR FOUR POST HIP SHADE WITH SURFACE MOUNT. | **SIZE:** 20'x x 30'1 x 10'h. | **COLOR:** DESERT SAND. | **FRAME COLOR:** TEXTURED BRONZE. (TO MATCH ARCHITECTURAL WINDOW TRIM BRONZE CAP TAG WT-1.)
45. **PLAY EQUIPMENT (SPRING RIDER):** MFR: LANDSCAPE STRUCTURES (playlsi.com). | **PRODUCT:** MODEL#164074. BOBBLE SINGLE RIDER. | **PLAY ZONE SIZE:** MIN. 13'-6" x 15'.
46. **PLAY EQUIPMENT (SPINNER):** MFR: LANDSCAPE STRUCTURES (playlsi.com). | **PRODUCT:** MODEL#155077. STANDUP SPINNER. | **PLAY ZONE SIZE:** MIN. 14' DIAM.
47. **PET FOUNTAIN WITH SHOWER:** MFR: DOG-ON-IT-PARKS (dog-on-it-parks.com). | **PRODUCT:** 7218. PET FOUNTAIN WITH SHOWER. | **FINISH:** ENVIRO GLAZE. | **COLOR:** EG-07 ONYX (TO MATCH ARCHITECTURAL RAILING & DOORS DE6385 BLACK BEAN LRV-7.)
48. **PET WASTE STATION.** MFR: DOG-ON-IT-PARKS (dog-on-it-parks.com). | **PRODUCT:** 7408S. COMPLETE DOG WASTE STATION - SINGLE PULL. | **STYLE:** ROUND. | **COLOR:** BLACK. | **INSTALL:** SURFACE MOUNT PER MFR. SPECIFICATIONS.
49. **BIKE LOCKER:** MFR: DERO by PLAYCORE CO. (dero.com). | **PRODUCT:** D2. DOUBLE SIDED DOUBLE CAPACITY BIKE LOCKER (SECURED W/ KEY OR W/PADLOCK.) | **SIZE:** 38" w X 76" I X 48.5" h. | **COLOR:** BRONZE POWDER COAT. | **INSTALL:** RECOMMENDED TO INSTALL ONTO SOLID CONCRETE PAD WITH 60" CLEARANCE FROM EACH DOOR FACE. | **NOTE:** OR PRODUCT EQUIVALENT - TO BE DETERMINED BY OWNER.

LANDSCAPE SPECIFICATIONS: (NOTE: ALL PRODUCTS & MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS)

70. **SMALL ROCK:** MFR: ROCK PROS USA (rockprosusa.com).
- LANDSCAPE ACCENT AREAS: **SIZE:** 3/8" SCREENED. | **COLOR:** APACHE GOLD. | **INSTALL:** INSTALL AT DEPTH OF 2" MIN. WITH SURFACE 1" BELOW HARDSCAPE SURFACE.
- BICYCLE PARKING: **SIZE:** 1/4" MINUS. | **COLOR:** APACHE ROSE. | **INSTALL:** INSTALL AT DEPTH OF 2" MIN. WITH SURFACE 1" BELOW HARDSCAPE SURFACE. SEE DETAIL 5 SHEET HD-2.
- DOG PARK: **SIZE:** 1/4" MINUS. | **COLOR:** APACHE GOLD. | **INSTALL:** INSTALL AT DEPTH OF 4" WITH SURFACE 1" BELOW HARDSCAPE SURFACE. BOTTOM 2" STABILIZED. TOP 2" NON-STABILIZED. INSTALLED IN 1" LIFTS.
- \*EXISTING RIGHT-OF-WAY SCREENED ROCK: CONTRACTOR TO FIELD VERIFY EXISTING SCREENED ROCK SIZE AND COLOR TO MATCH. | **INSTALL:** INSTALL AT DEPTH OF 2" MIN WITH SURFACE 1" BELOW HARDSCAPE SURFACE.
72. **DECORATIVE RIP-RAP:** MFR: ROCK PROS USA (rockprosusa.com). | **SIZE:** 2"-4" RIP-RAP. | **COLOR:** APACHE GOLD. | **INSTALL:** INSTALL AT DEPTH OF 2" MIN. WITH SURFACE 1" BELOW HARDSCAPE SURFACE. SEE DETAIL 2 SHEET HD-1.
73. **BOULDER (2'X3'):** MFR: ROCK PROS USA (rockprosusa.com). | **SIZE:** 2'x3'. | **COLOR:** APACHE GOLD. | **INSTALL:** BURY BOTTOM 1/3 BELOW GRADE. SEE DETAIL 8 SHEET LD-1.
74. **BOULDER (3'X4'):** MFR: ROCK PROS USA (rockprosusa.com). | **SIZE:** 3'x4'. | **COLOR:** APACHE GOLD. | **INSTALL:** BURY BOTTOM 1/3 BELOW GRADE. SEE DETAIL 8 SHEET LD-1.
75. **100% DESERT COBBLE ROCK MIX:** MFR: ROCK PROS USA (rockprosusa.com). | **MIX (SIZES & RATIOS):**
- [ (40%) 3/8" MINUS ROCK. **COLOR:** APACHE GOLD.
- + (25%) 1" SCREENED ROCK. **COLOR:** APACHE GOLD.
- + (20%) 2" SCREENED ROCK. **COLOR:** APACHE GOLD.
- + (15%) 2" TO 4" RIP-RAP. **COLOR:** APACHE GOLD.]
- APPLY AT 100% COVERAGE. SEE DETAIL 6 SHEET HD-1.
76. **25% DESERT COBBLE ROCK MIX & HYDROSEED MIX:** MFR: ROCK PROS USA (rockprosusa.com). | **COLOR:** SEE #75. | **INSTALL:** 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE.(SEE DESERT COBBLE ROCK MIX FOR TYPE, SIZE, & QUANTITY MIXTURE OF ROCK MULCH.) SEE HYDROSEED MIX ON SHEET LS-4 LANDSCAPE PLAN NOTES.
77. **PLAY SURFACE:** MFR: ACME SAND & GRAVEL (acemsand.com) | **PRODUCT:** CPWCHP. ENGINEERED WOOD FIBER CHIPS. | **FIBER:** NATURAL, NO CHEMICAL TREATMENT. | **COLOR:** NATURAL. SEE DETAIL #5 SHEET HD-1.

\* NOTE:

1. EXISTING RIGHT-OF-WAY AT LOCATION NOTED AS RIGHT-OF-WAY LANDSCAPE ON PLAN.
2. THEME WALLS & ACCENT WALLS SERVE AS MIN. 5 FOOT SCREEN WALLS.
3. CONTRACTOR TO PROVIDE SAMPLE MATERIALS (INCLUDING SIZE/COLOR SPECIFIED) TO OWNER FOR APPROVAL BEFORE PURCHASE & INSTALLATION.

KEY NOTES:

HARDSCAPE KEY NOTES

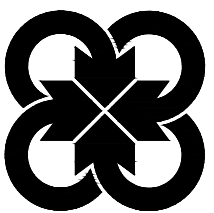
- ① SYNTHETIC TURF
- ② POOL PAVER A
- ③ POOL PAVER B
- ④ CONCRETE SIDEWALK
- ⑤ CONCRETE HEADER
- ⑥ BICYCLE PARKING SURFACE & HEADER
- ⑦ RAISED PLANTER
- ⑧ SEAT WALL
- ⑨ ENTRY MONUMENT SIGN
- ⑩ THEME COLUMN
- ⑪ THEME WALL
- ⑫ ACCENT WALL
- ⑬ VIEW FENCE
- ⑭ VEHICULAR PAVER
- ⑮ SCREEN WALL
- ⑯ DOG PARK FENCE

AMENITY & SITE FURNISHING KEY NOTES

- ⑳ POOL (DESIGNED AND PERMITTED BY OTHERS)
- ㉑ HOT TUB (DESIGNED AND PERMITTED BY OTHERS)
- ㉒ FIRE PIT
- ㉓ PERGOLA
- ㉔ OUTDOOR KITCHEN COUNTER/GRILL
- ㉕ PICNIC TABLE
- ㉖ SHADED DINING TABLE WITH CHAIRS
- ㉗ BENCH
- ㉘ DECK LOUNGE SEATING AREA
- ㉙ POOL LOUNGE SEATING AREA
- ㉚ TRASH RECEPACLE
- ㉛ BICYCLE RACK
- ㉜ POT
- ㉝ PLAY EQUIPMENT (POST & PLATFORM STRUCTURE W/SLIDE)
- ㉞ SHADE STRUCTURE
- ㉟ PLAY EQUIPMENT (SPRING RIDER)
- ㊱ PLAY EQUIPMENT (SPINNER)
- ㊲ PET FOUNTAIN WITH SHOWER
- ㊳ PET WASTE STATION
- ㊴ BIKE LOCKER

LANDSCAPE KEY NOTES

- ㊵ SMALL ROCK (⑧ SCREENED LANDSCAPED AREAS, ① MINUS DOG PARK & BIKE)
- ㊶ EXISTING RIGHT-OF-WAY SCREENED ROCK
- ㊷ DECORATIVE RIP-RAP
- ㊸ BOULDER (2'X3')
- ㊹ BOULDER (3'X4')
- ㊺ 100% DESERT COBBLE DECORATIVE ROCK MIX
- ㊻ 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
- ㊼ PLAY SURFACE



**THE PLANNING CENTER**  
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PROJECT: CCD-15

DATE: 12/20/24

DRAWN BY: KDP

CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA & HARDSCAPE PLAN NOTES



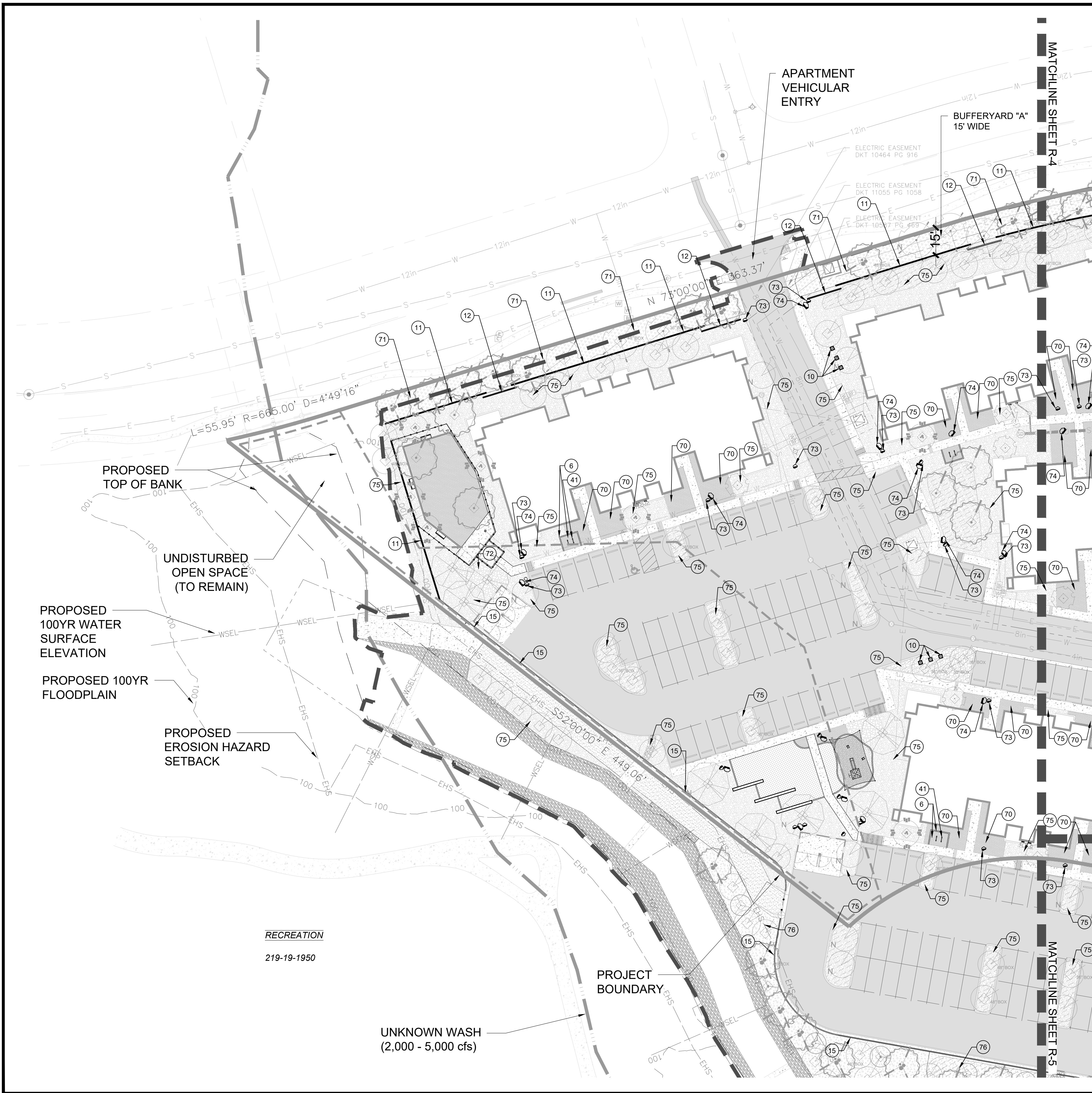
LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
R-2  
20 OF 45

ALL PROJECTS (CCD-15) AUTOMATICALLY WORKING DRAWINGS (CCD-15) 15.2 DWGS. 12/19/2024 11:32 AM, KENDRA POTTER  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS REMAINS WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION AND PERMISSION FROM THE PLANNING CENTER IS REQUIRED.  
GRADING PERMIT #2401047





KEY NOTES:

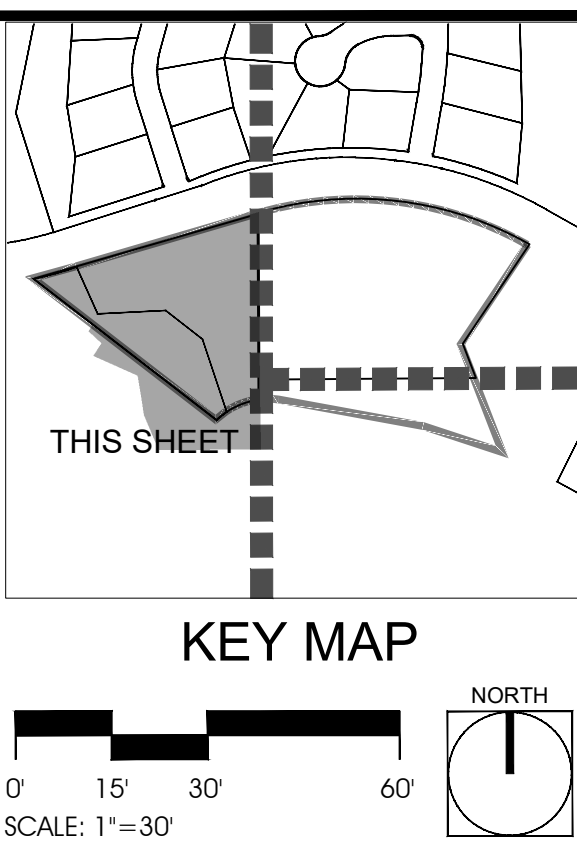
- HARDSCAPE KEY NOTES**
- 1 SYNTHETIC TURF
  - 2 POOL PAVER A
  - 3 POOL PAVER B
  - 4 CONCRETE SIDEWALK
  - 5 CONCRETE HEADER
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  - 7 RAISED PLANTER
  - 8 SEAT WALL
  - 9 ENTRY MONUMENT SIGN
  - 10 THEME COLUMN
  - 11 THEME WALL
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  - 14 VEHICULAR PAVER
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  - 36 SHADED DINING TABLE WITH CHAIRS
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  - 73 BOULDER (2'X3')
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  - 75 100% DESERT COBBLE DECORATIVE ROCK MIX
  - 76 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
  - 77 PLAY SURFACE

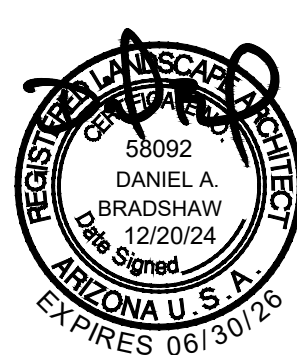
LEGEND  
HARDSCAPE & GROUNDCOVER

- Small Rock (8" Landscape Areas, 1" Minus Dog Park & Bike)
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers A
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- Synthetic Turf
- Play Area Surface
- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezoning Boundary
- Limits of Grading
- Parcels



#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA &  
HARDSCAPE PLAN







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HARDSCAPE KEY NOTES

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AMENITY & SITE FURNISHING KEY NOTES

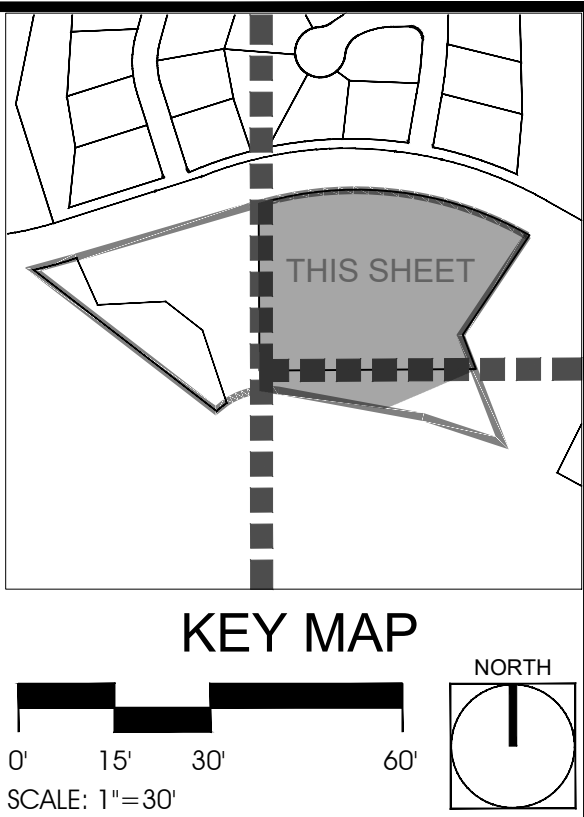
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LANDSCAPE KEY NOTES

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HARDSCAPE & GROUNDCOVER

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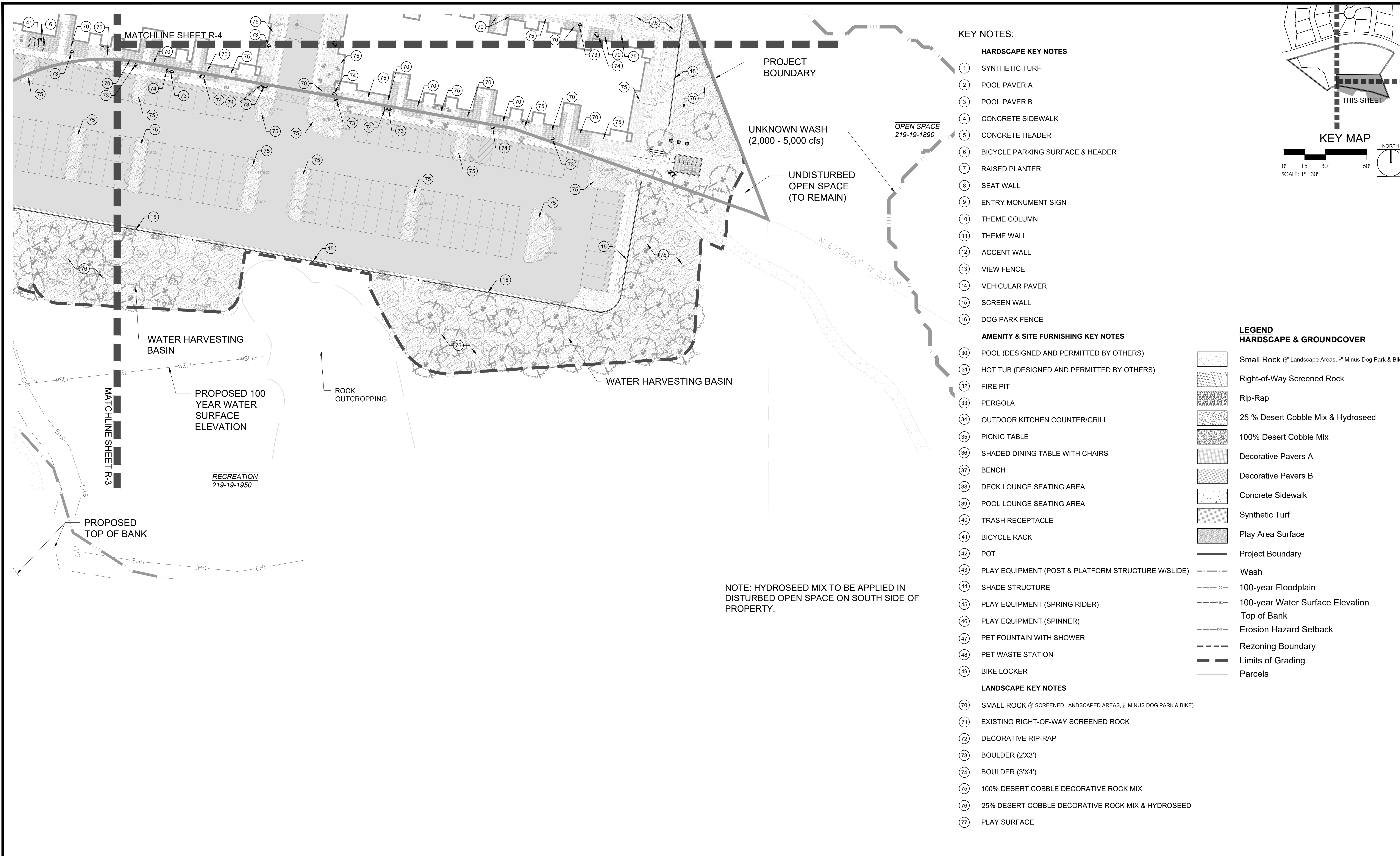


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RECREATION AREA &  
HARDSCAPE PLAN







KEY NOTES:

HARDSCAPE KEY NOTES

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LEGEND  
HARDSCAPE & GROUNDCOVER

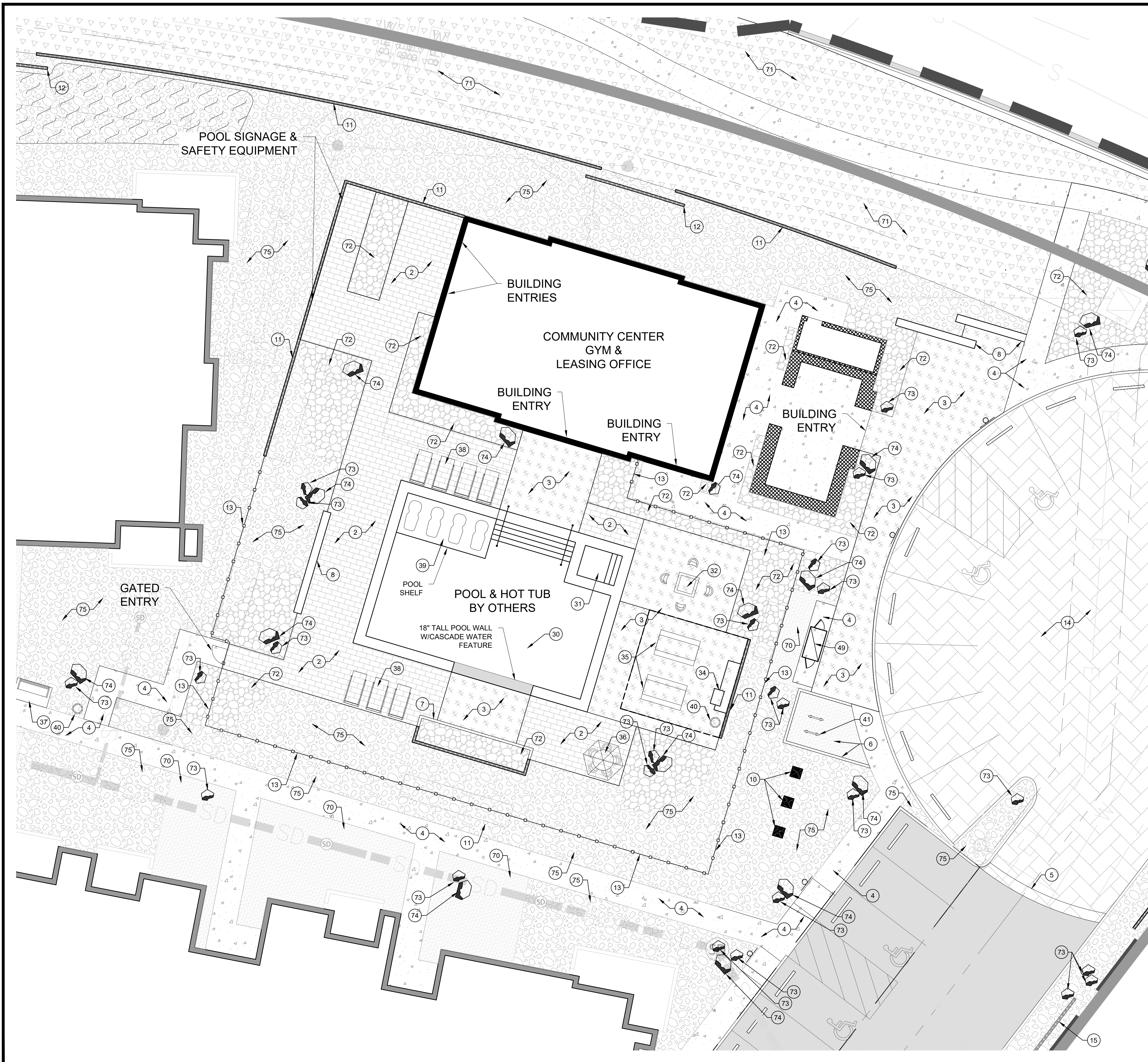
- Small Rock (8" Landscape Areas, 1" Minus Dog Park & Bike)
- Right-of-Way Screened Rock
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- 25 % Desert Cobble Mix & Hydroseed
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- Parcels

#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA &  
HARDSCAPE PLAN







RECREATION AREA #1 POOL

KEY NOTES:

HARDSCAPE KEY NOTES

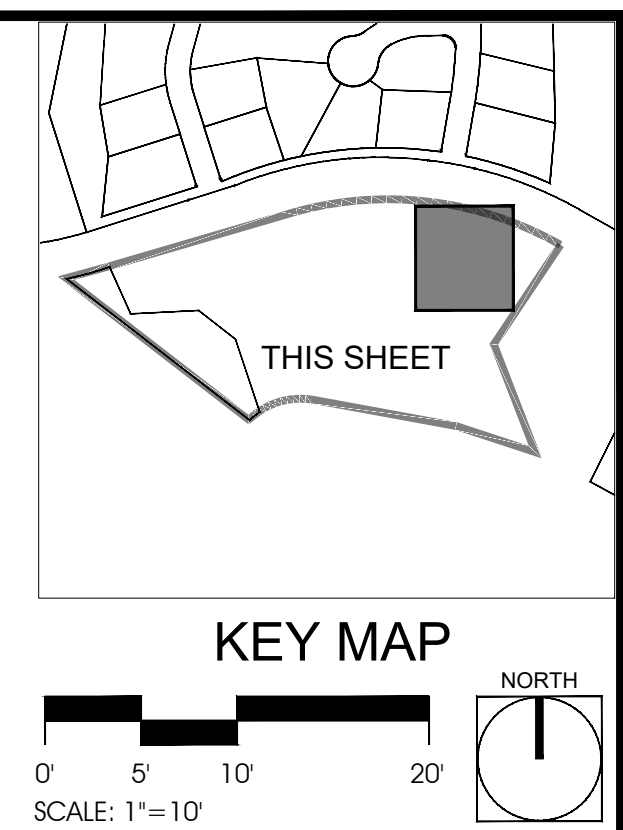
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LANDSCAPE KEY NOTES

- 70 SMALL ROCK (3/8\"/>



LEGEND  
HARDSCAPE & GROUNDCOVER

- Small Rock (3/8\"/>
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers A
- Decorative Pavers B
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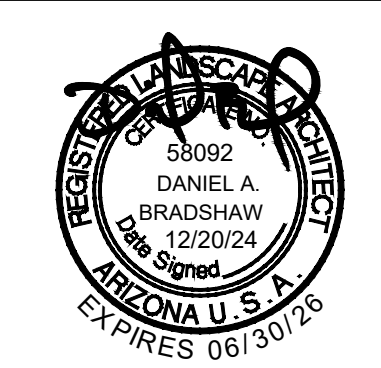


PROJECT: CCD-15  
DATE: 12/20/24  
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#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA #1



LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE #2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
R-6  
24 OF 45

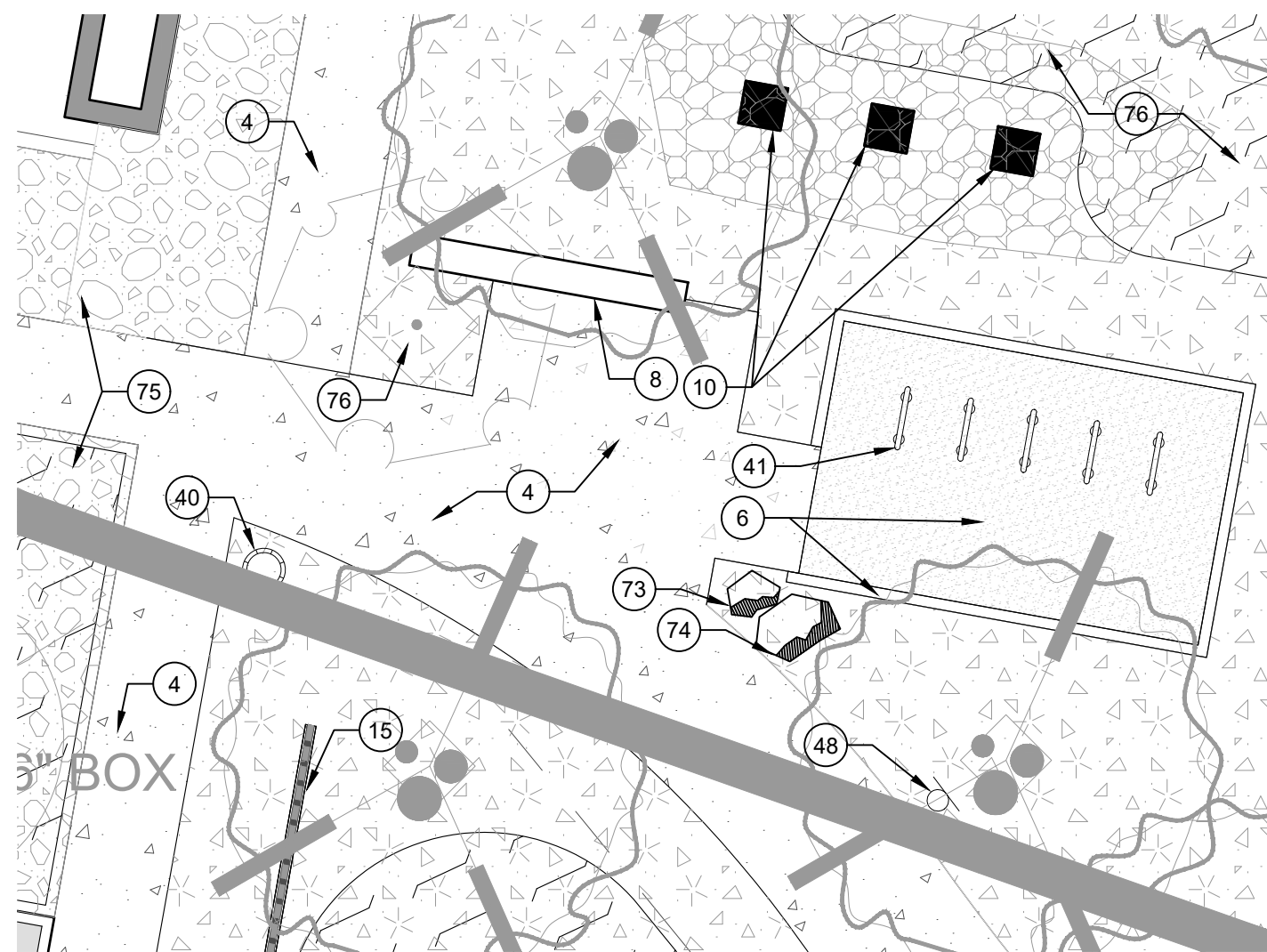
GRADING PERMIT #2401047



RECREATION AREA #2 EVENT LAWN



RECREATION AREA #3 TRAILHEAD



KEY NOTES:

HARDSCAPE KEY NOTES

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- 2 POOL PAVER A
- 3 POOL PAVER B
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- 48 PET WASTE STATION
- 49 BIKE LOCKER

LANDSCAPE KEY NOTES

- 70 SMALL ROCK (8\"/>

LEGEND  
HARDSCAPE & GROUNDCOVER

- Small Rock (8\"/>

RECREATION AREAS #2 & #3



LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
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CASE NO:  
CASE  
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R-7  
25 OF 45



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB

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#	REVISIONS/SUBMITTALS	DATE

ALL PROJECTS (CCD-15) AUTOCAD WORKING DRAWINGS (CCD-15) IS 2 DWG. 12/19/2024 11:32 AM, KENDRA POTTER  
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GRADING PERMIT #2401047



RECREATION AREA #4 DOG PARK



UNDISTURBED  
OPEN SPACE  
(TO REMAIN)

KEY NOTES:

HARDSCAPE KEY NOTES

- 1 SYNTHETIC TURF
- 2 POOL PAVER A
- 3 POOL PAVER B
- 4 CONCRETE SIDEWALK
- 5 CONCRETE HEADER
- 6 BICYCLE PARKING SURFACE & HEADER
- 7 RAISED PLANTER
- 8 SEAT WALL
- 9 ENTRY MONUMENT SIGN
- 10 THEME COLUMN
- 11 THEME WALL
- 12 ACCENT WALL
- 13 VIEW FENCE
- 14 VEHICULAR PAVER
- 15 SCREEN WALL
- 16 DOG PARK FENCE

AMENITY & SITE FURNISHING KEY NOTES

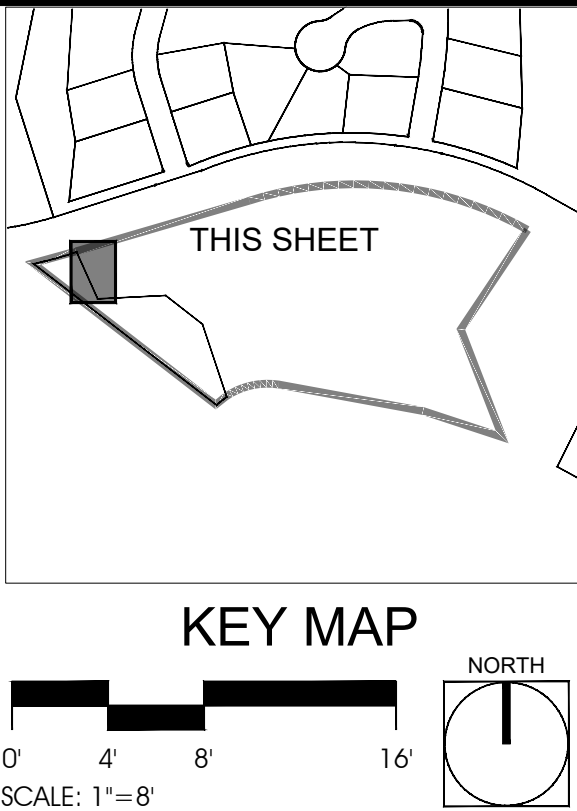
- 30 POOL (DESIGNED AND PERMITTED BY OTHERS)
- 31 HOT TUB (DESIGNED AND PERMITTED BY OTHERS)
- 32 FIRE PIT
- 33 PERGOLA
- 34 OUTDOOR KITCHEN COUNTER/GRILL
- 35 PICNIC TABLE
- 36 SHADED DINING TABLE WITH CHAIRS
- 37 BENCH
- 38 DECK LOUNGE SEATING AREA
- 39 POOL LOUNGE SEATING AREA
- 40 TRASH RECEPTACLE
- 41 BICYCLE RACK
- 42 POT
- 43 PLAY EQUIPMENT (POST & PLATFORM STRUCTURE W/SLIDE)
- 44 SHADE STRUCTURE
- 45 PLAY EQUIPMENT (SPRING RIDER)
- 46 PLAY EQUIPMENT (SPINNER)
- 47 PET FOUNTAIN WITH SHOWER
- 48 PET WASTE STATION
- 49 BIKE LOCKER

LANDSCAPE KEY NOTES

- 70 SMALL ROCK (3/8" SCREENED LANDSCAPED AREAS, 1/4" MINUS DOG PARK & BIKE)
- 71 EXISTING RIGHT-OF-WAY SCREENED ROCK
- 72 DECORATIVE RIP-RAP
- 73 BOULDER (2'X3')
- 74 BOULDER (3'X4')
- 75 100% DESERT COBBLE DECORATIVE ROCK MIX
- 76 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
- 77 PLAY SURFACE

LEGEND  
HARDSCAPE & GROUNDCOVER

- Small Rock (3/8" Landscape Areas, 1/4" Minus Dog Park & Bike)
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers A
- Decorative Pavers B
- Concrete Sidewalk
- Synthetic Turf
- Play Area Surface
- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezoning Boundary
- Limits of Grading
- Parcels

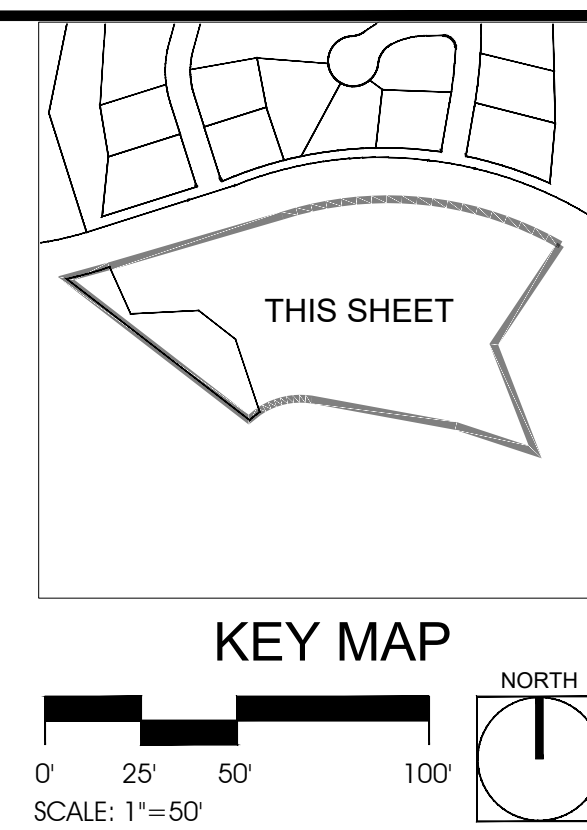


#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA #4







- LEGEND**
- Project Boundary
  - Wash
  - 100-year Floodplain
  - 100-year Water Surface Elevation
  - Top of Bank
  - Erosion Hazard Setback
  - Rezone Boundary
  - Limits of Grading
  - Parcels

- HARDSCAPE & GROUND COVER**
- Small Rock (3/8" Screened, Apache Gold, Landscape Accent Areas)
  - Small Rock (1/4" Minus, Apache Rose, Bike Parking)
  - Small Rock (1/4" Minus, Apache Gold, Dog Park)
  - Right-of-Way Screened Rock
  - Rip-Rap \*
  - 25% Coverage Desert Cobble Mix & 100% Cvg. Hydroseed
  - 100% Coverage Desert Cobble Mix
  - Pool Paver A
  - Pool Paver B
  - Vehicular Paver
  - Concrete Sidewalk
  - Synthetic Turf
  - Play Area Surface
  - Entry Monument Sign
  - Site Theme Columns

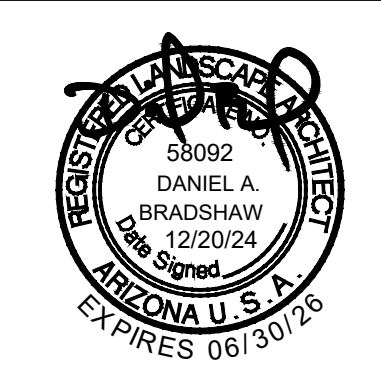


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# HARDSCAPE & GROUND COVER



LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

CASE NO: #2401047  
REFERENCE: 2203155, 2301138, 2301232  
R-9  
27 OF 45

THE USE OF THESE PLANS IS LIMITED TO THE PROJECT AND SITE FOR WHICH THEY WERE PREPARED AND PUBLISHED. NO PART OF THESE PLANS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE PLANNING CENTER. THE PLANNING CENTER SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION WITHOUT THE PLANNING CENTER'S PERMISSION. GRADING PERMIT #2401047





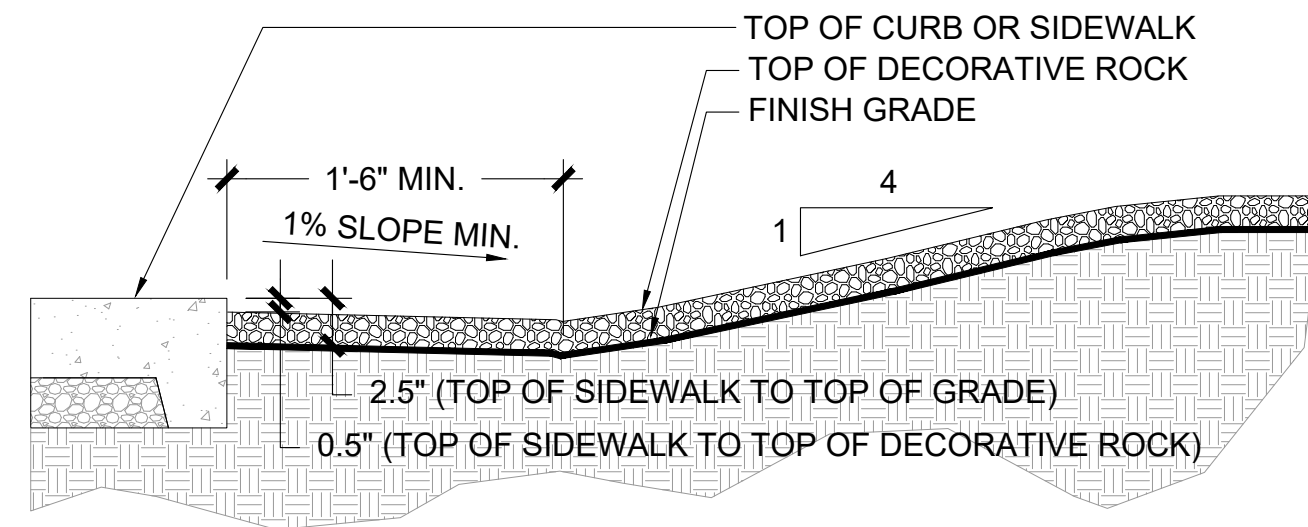
#	REVISIONS/SUBMITTALS	DATE

## WALLS

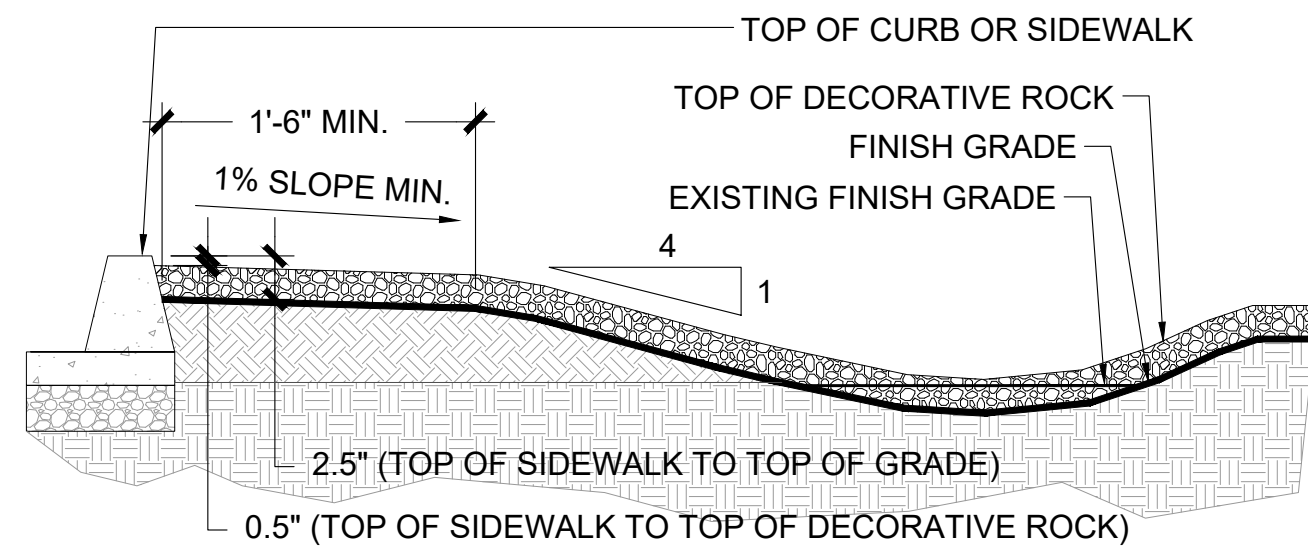




NOTE:  
SEE SHEET R-2 FOR COLORS & FINISHES.



POSITIVE SLOPE (TOWARD HARDSCAPE)

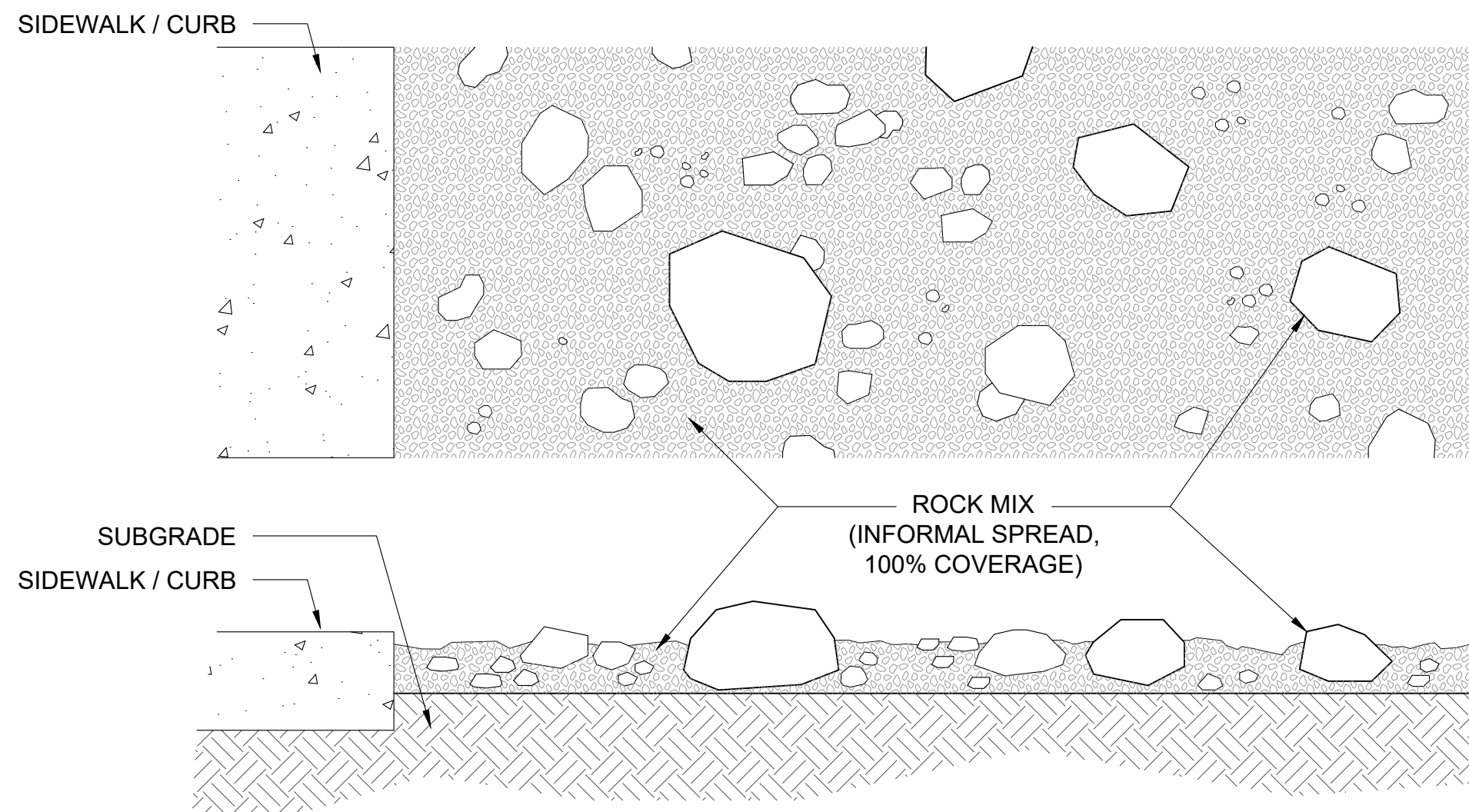


NEGATIVE SLOPE (AWAY FROM HARDSCAPE)

- NOTES:
- 1) GRADE EXISTING MATERIAL TO FINISH GRADE
  - 2) TOP OF SCREENED ROCK SHOULD SIT 0.5" BELOW TOP OF ADJACENT CURB, SIDEWALK, OR HARDSCAPE SURFACE.
  - 3) ALL LANDSCAPE AREAS SHALL BE DEPRESSED A MINIMUM OF 4" TO COLLECT RAINWATER WHERE IT FALLS.

1 INCIDENTAL GRADING

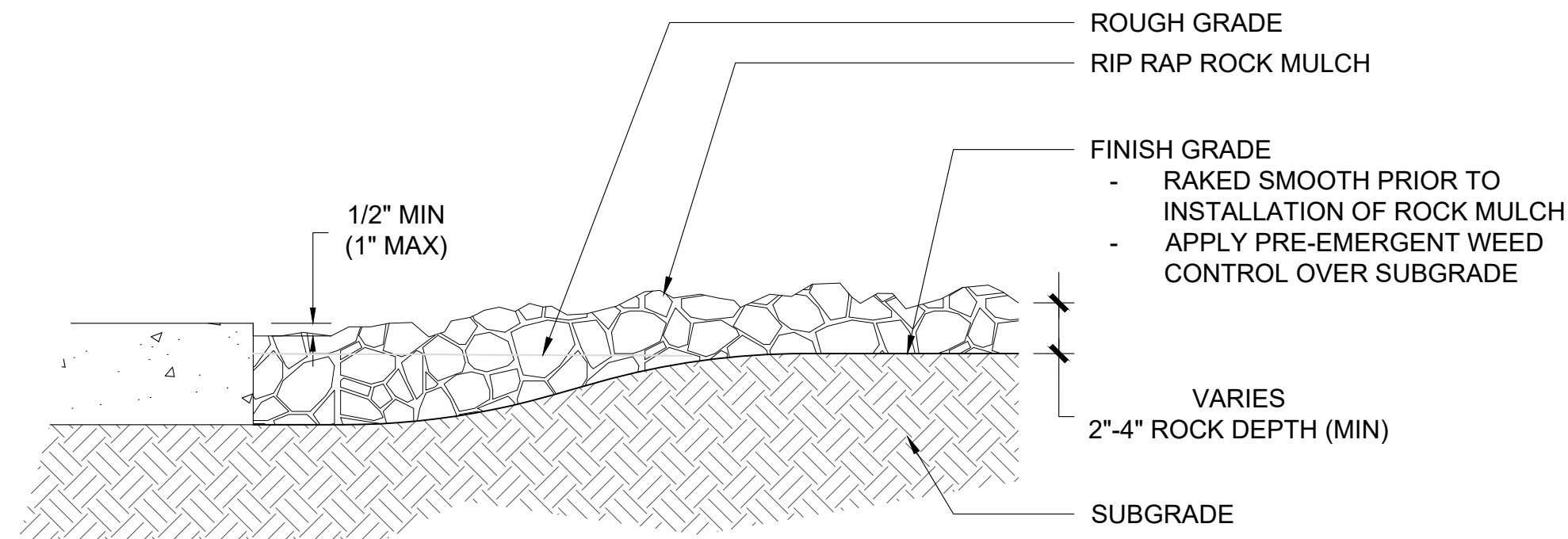
NTS



- NOTES:
1. REFER TO SPECIFICATION FOR ROCK MIX (SIZES), COLOR AND INSTALLATION.
  2. TOP OF DESERT COBBLE ROCK MIX SHALL SIT 1/2" BELOW THE TOP (SURFACE) OF ADJACENT SIDEWALK OR CURB.

6 DESERT COBBLE MULCH

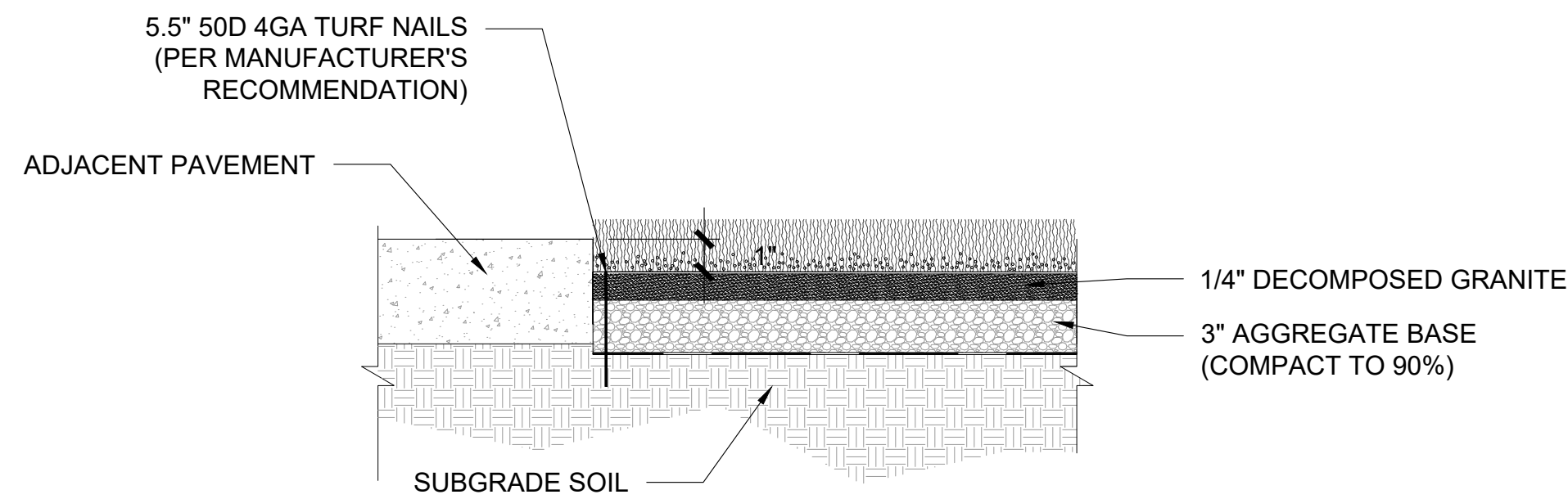
NTS



- NOTES:
1. REFER TO SPECIFICATION FOR ROCK MIX (SIZES), COLOR AND INSTALLATION.
  2. TOP OF RIP RAP SHALL SIT MIN. 1/2" BELOW THE TOP (SURFACE) OF ADJACENT SIDEWALK OR CURB.

2 RIP RAP MULCH

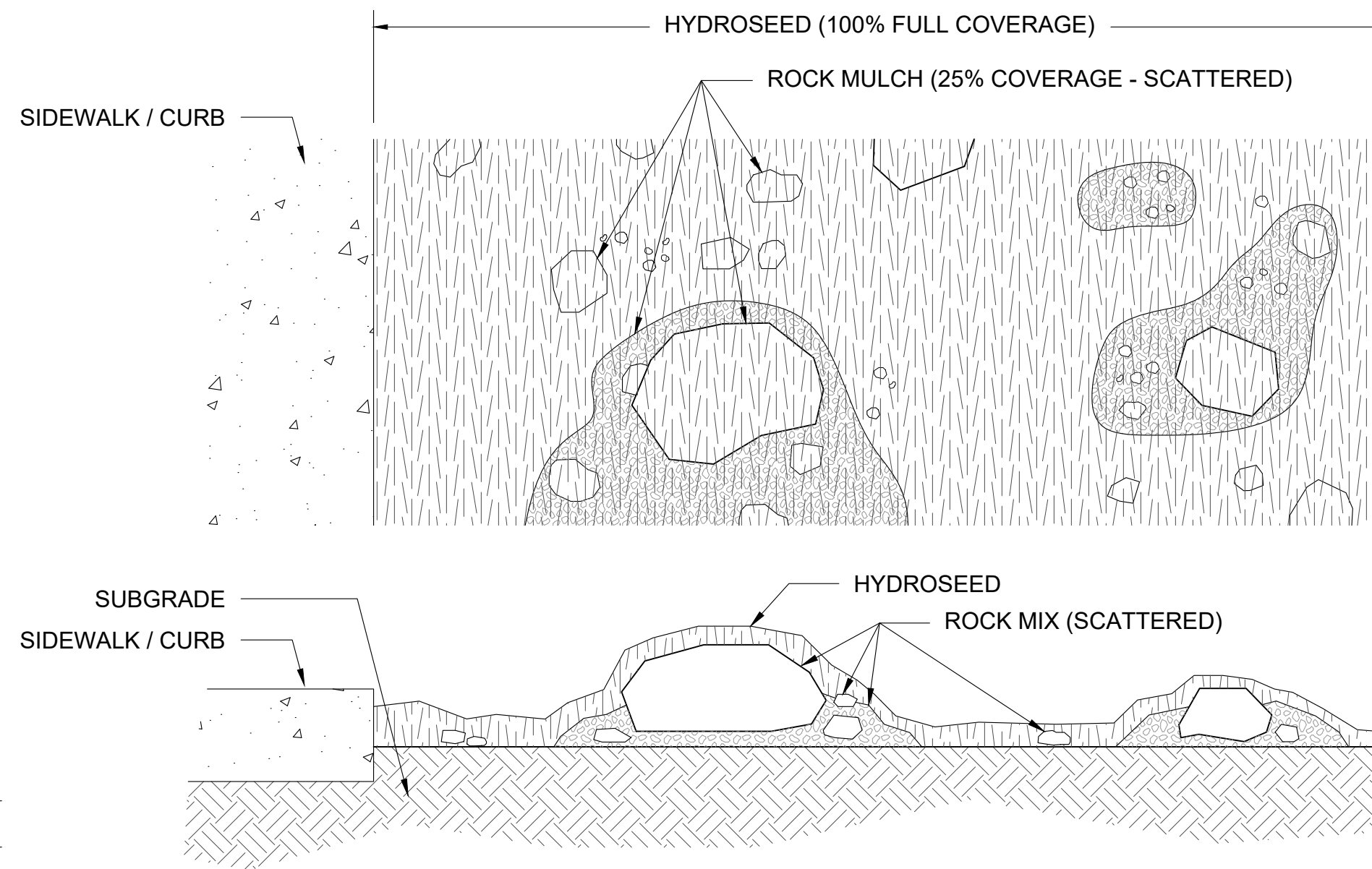
NTS



- NOTES:
- 1) INSTALL ARTIFICIAL TURF PER MANUFACTURER'S SPECIFICATIONS.

4 ARTIFICIAL TURF

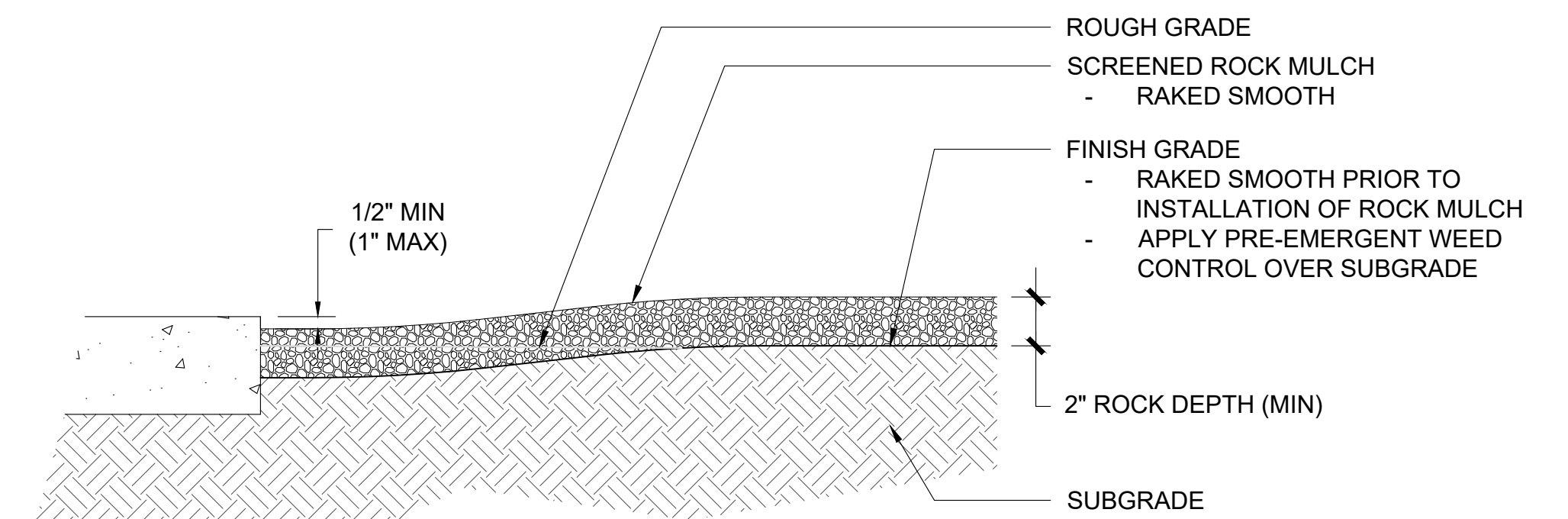
NTS



- NOTES:
1. REFER TO SPECIFICATION FOR ROCK MIX (SIZES), COLOR AND INSTALLATION.
  2. TOP OF DESERT COBBLE ROCK MIX SHALL SIT 1/2" BELOW THE TOP (SURFACE) OF ADJACENT SIDEWALK OR CURB. ROCK SHOULD BE SCATTERED TO PARTIALLY COVER APPROXIMATELY 25% OF SOIL SURFACE.
  3. REFER TO SPECIFICATION FOR HYDROSEED MIX. INSTALL PER ORO VALLEY APPROVED REVEGETATION SEED MIX (TOWN OF ORO VALLEY ZONING CODE ADDENDUM (D.))
  4. ROCK MULCH SHALL BE INSTALLED PRIOR TO SEEDING.

7 HYDROSEED + DESERT COBBLE COMBO

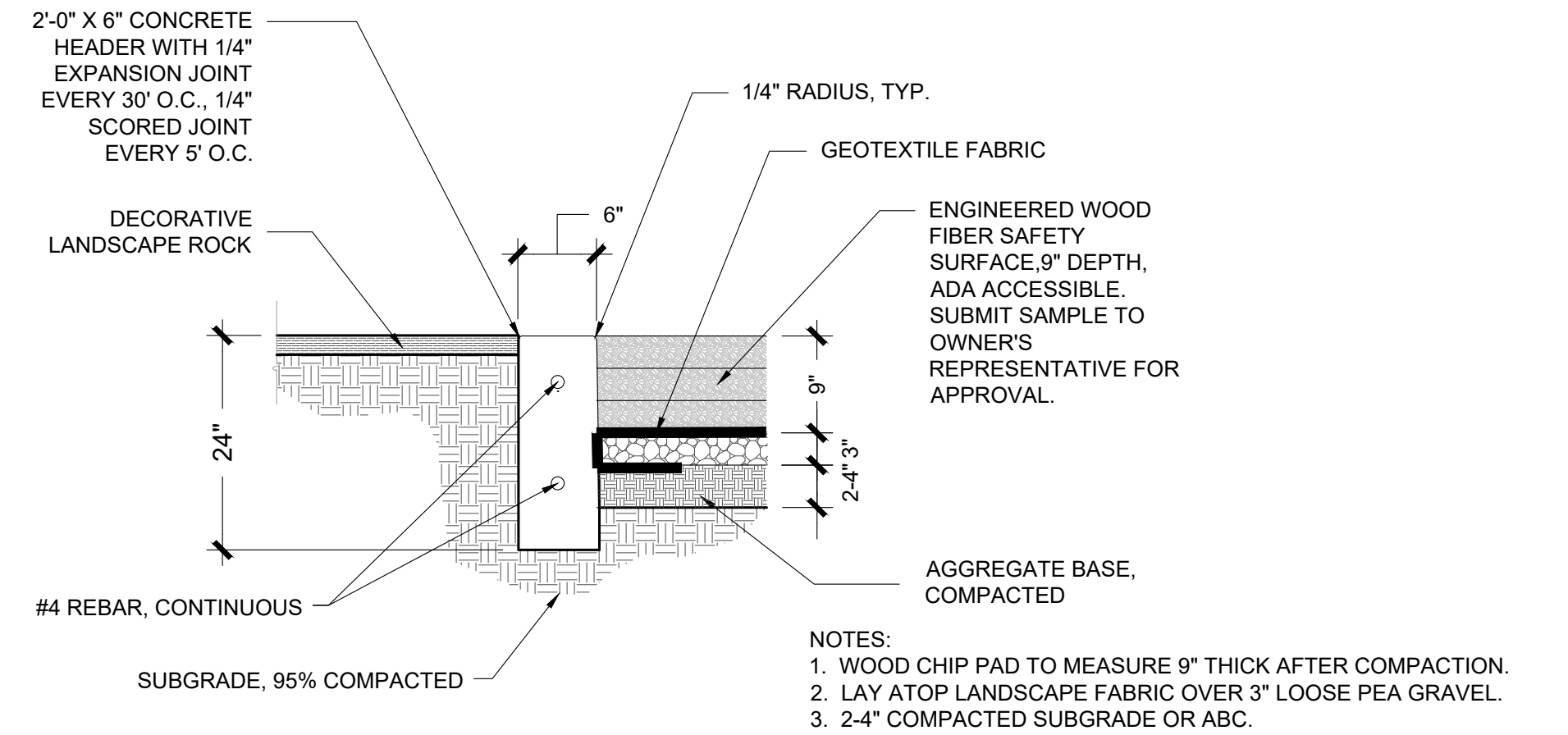
NTS



- NOTES:
1. REFER TO SPECIFICATION FOR ROCK MIX (SIZES), COLOR AND INSTALLATION.
  2. TOP OF ROCK MULCH MIX SHALL SIT MIN. 1/2" BELOW THE TOP (SURFACE) OF ADJACENT SIDEWALK OR CURB.

3 SCREENED ROCK MULCH

NTS



- NOTES:
1. WOOD CHIP PAD TO MEASURE 9" THICK AFTER COMPACTION.
  2. LAY ATOP LANDSCAPE FABRIC OVER 3" LOOSE PEA GRAVEL.
  3. 2-4" COMPACTED SUBGRADE OR ABC.

5 SAFETY SURFACE W/ HEADER

SCALE: NTS

INTENTIONALLY LEFT BLANK.

8 NO LONGER APPLICABLE

NTS

#	REVISIONS/SUBMITTALS	DATE

HARDSCAPE DETAILS

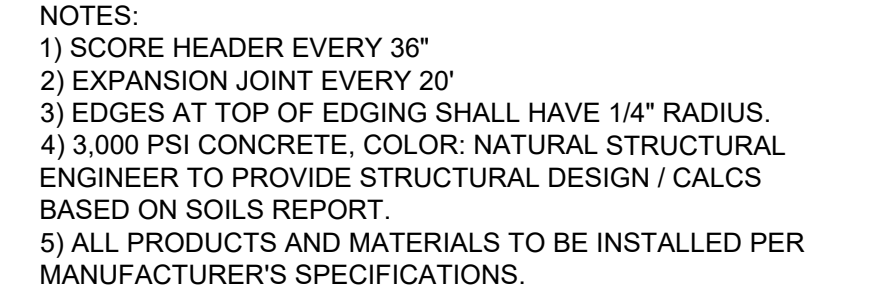




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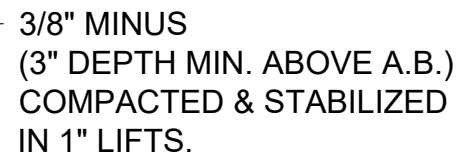


## NTS



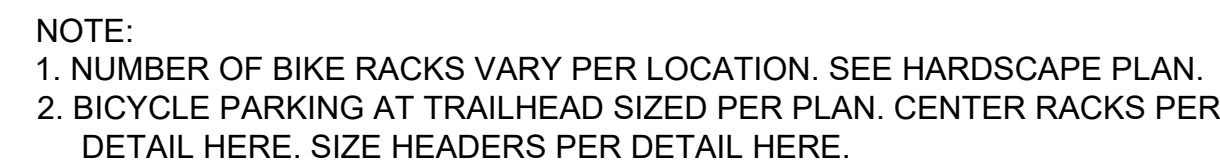
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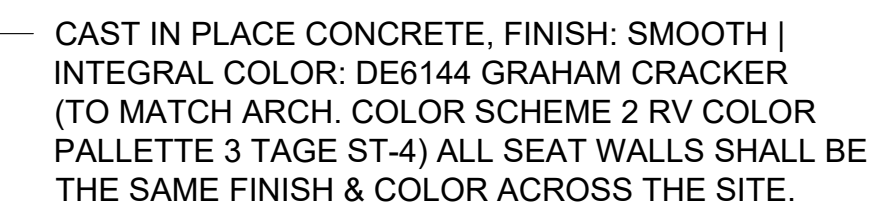


## NTS

## (7)



## NT:

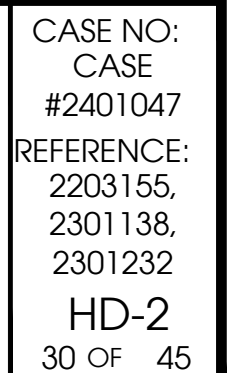


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NTS

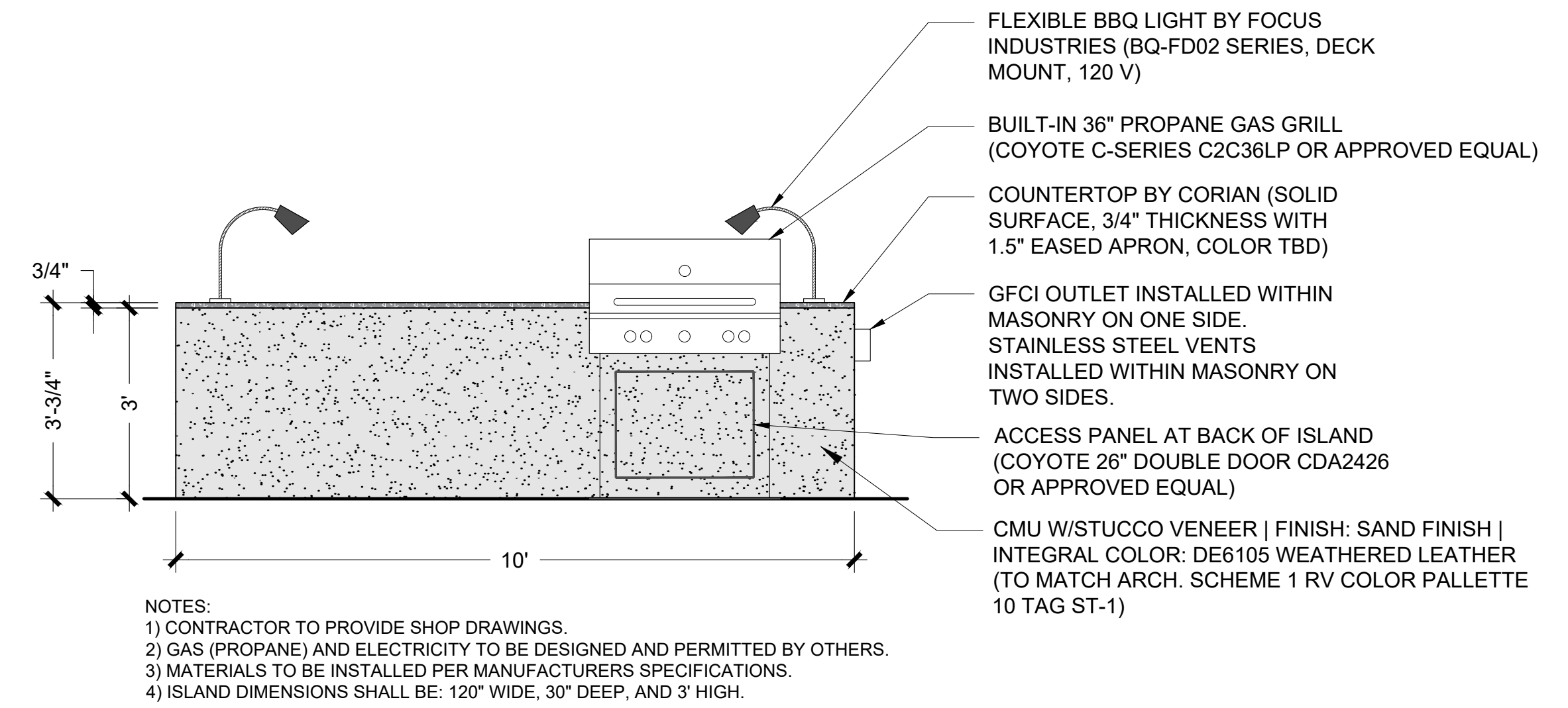
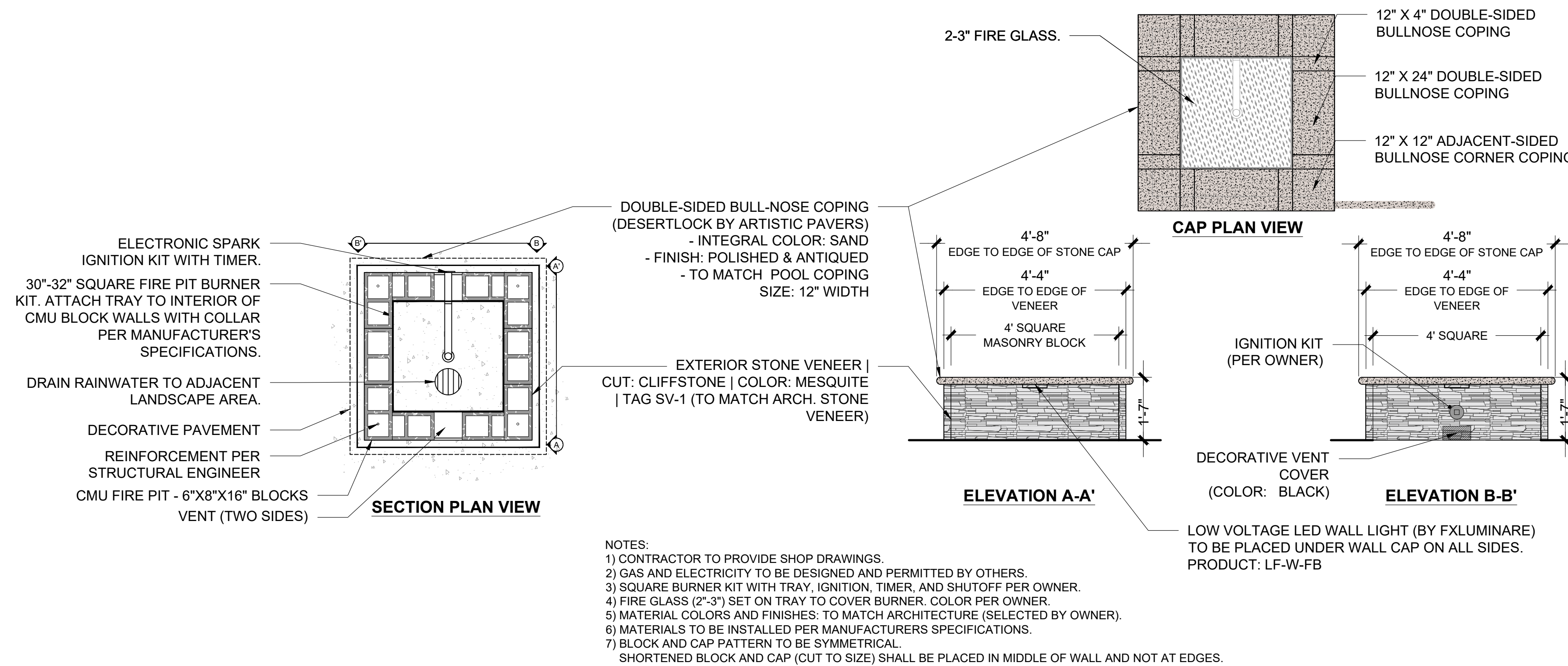


\\PROJECTS\CCD-15\AUTOCAD\WORKING DRAWINGS\CCD-15.LS.2.DWG, 12/19/2024, 11:33 AM, KENDRA POTTER

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**NOTE:**  
**SEE SHEET R-2 FOR COLORS & FINISHES.**

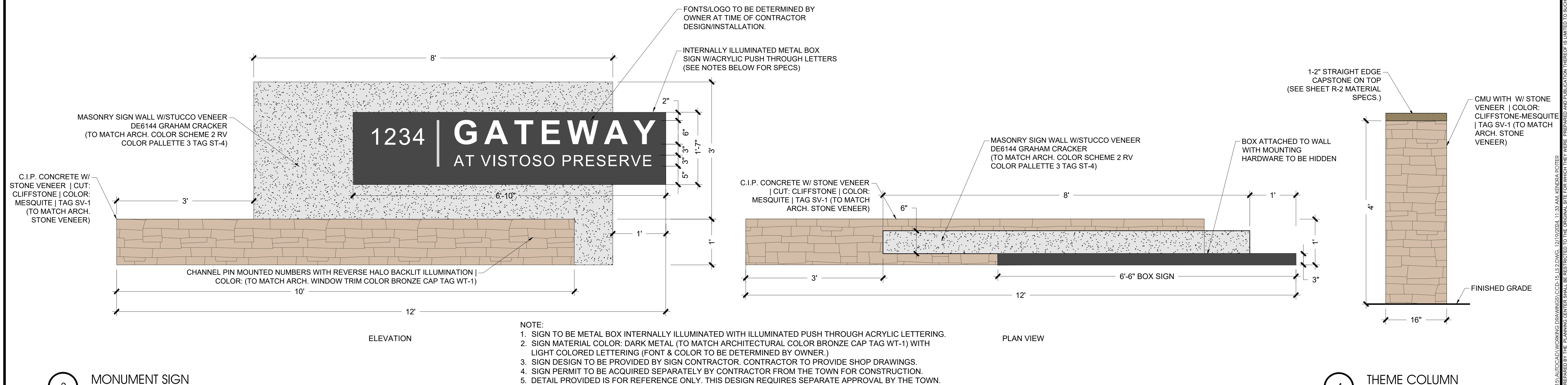


2 OUTDOOR KITCHEN COUNTER/GRILL ELEVATION

TS

## 1 NATURAL GAS FIRE PIT

NTS



3 MONUMENT SIGN

SCALE: NTS

4 THEME COLUMN  
ELEVATION

Calf: NTS



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## HARDSCAPE DETAILS



LANDSCAPE PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

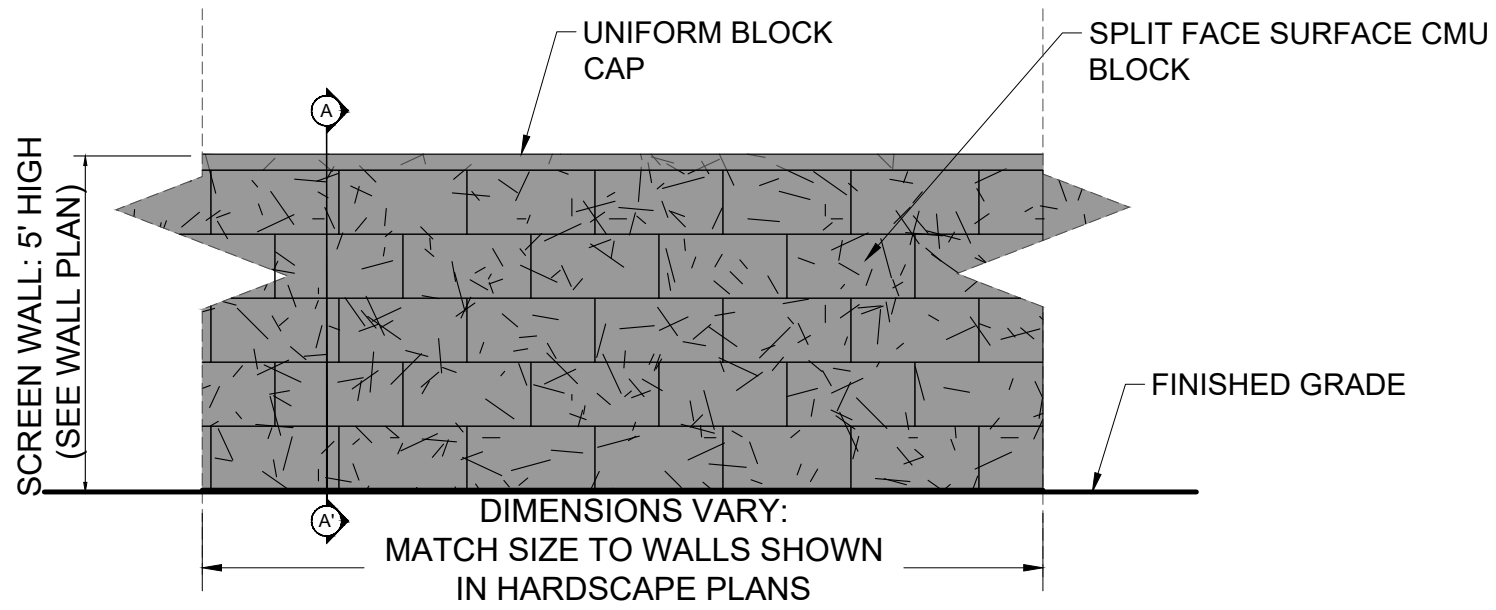
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
HD-3  
31 OF 45

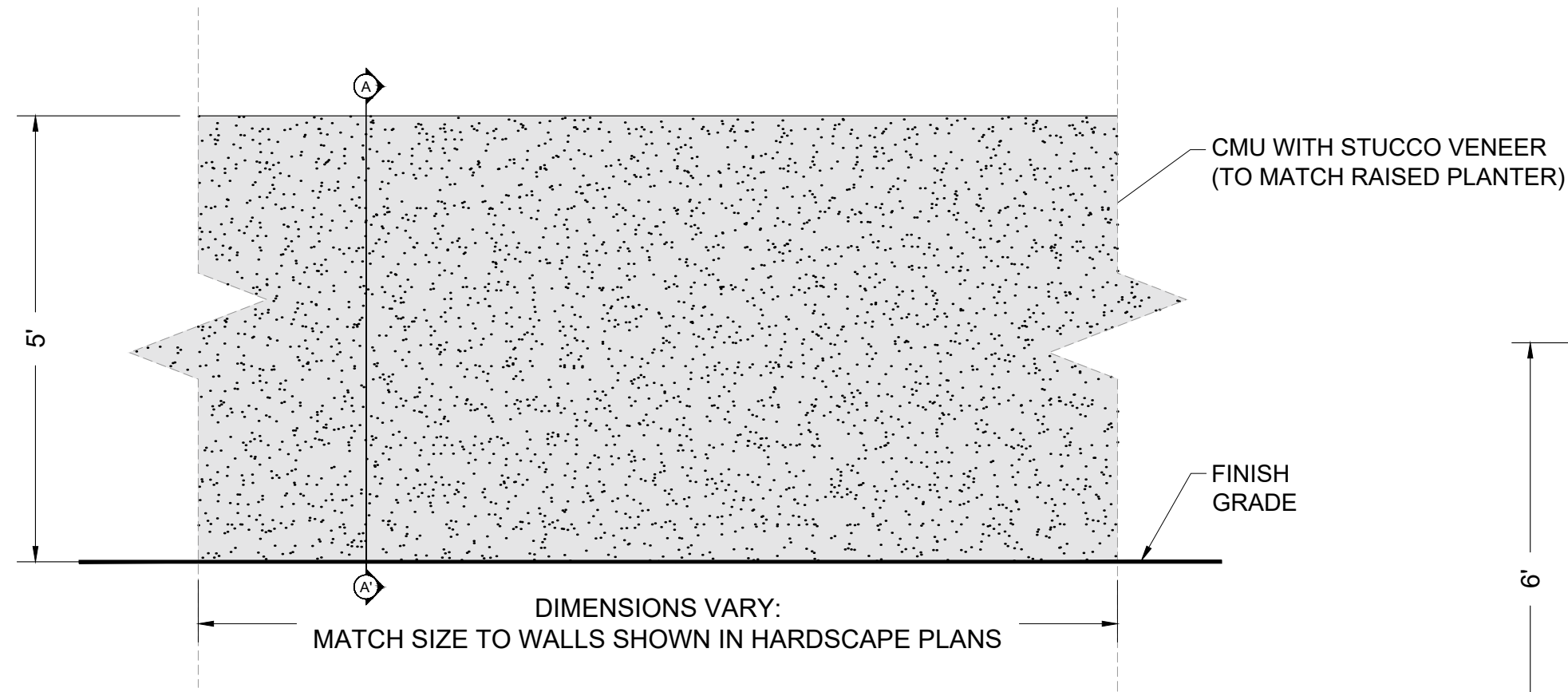
GRADING PERMIT #2401047



NOTE:  
SEE SHEET R-2 FOR COLORS & FINISHES.  
SEE SHEET HD-5 FOR WALL SECTION ELEVATIONS.

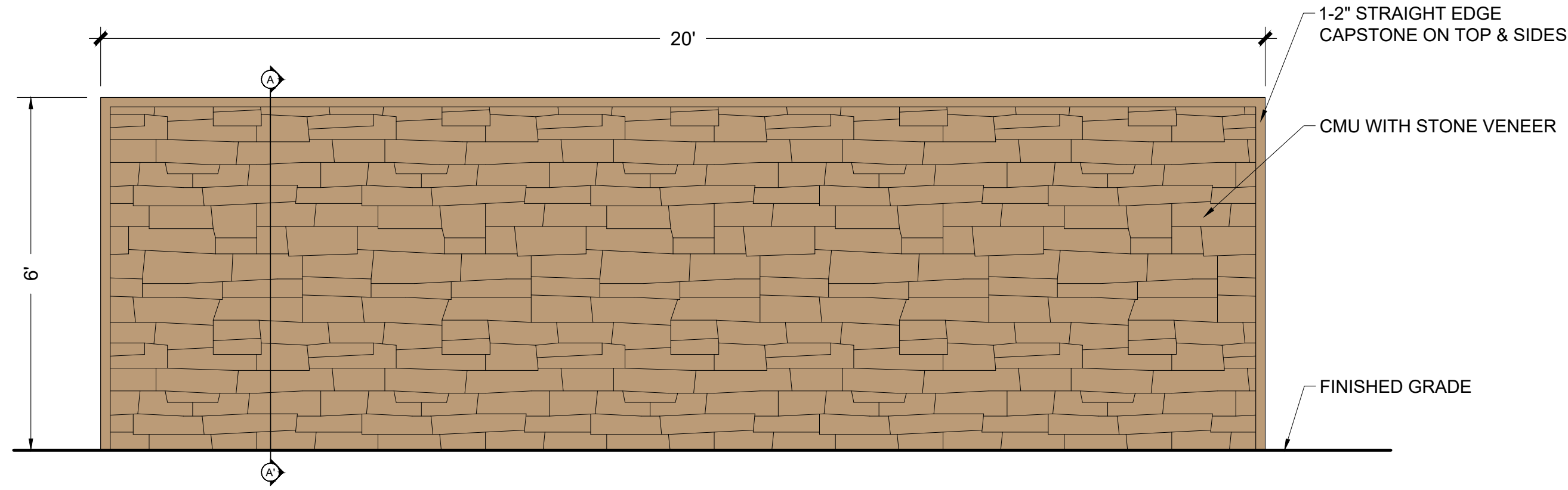


1 BUILDING/VEHICLE SCREEN WALL ELEVATION NTS

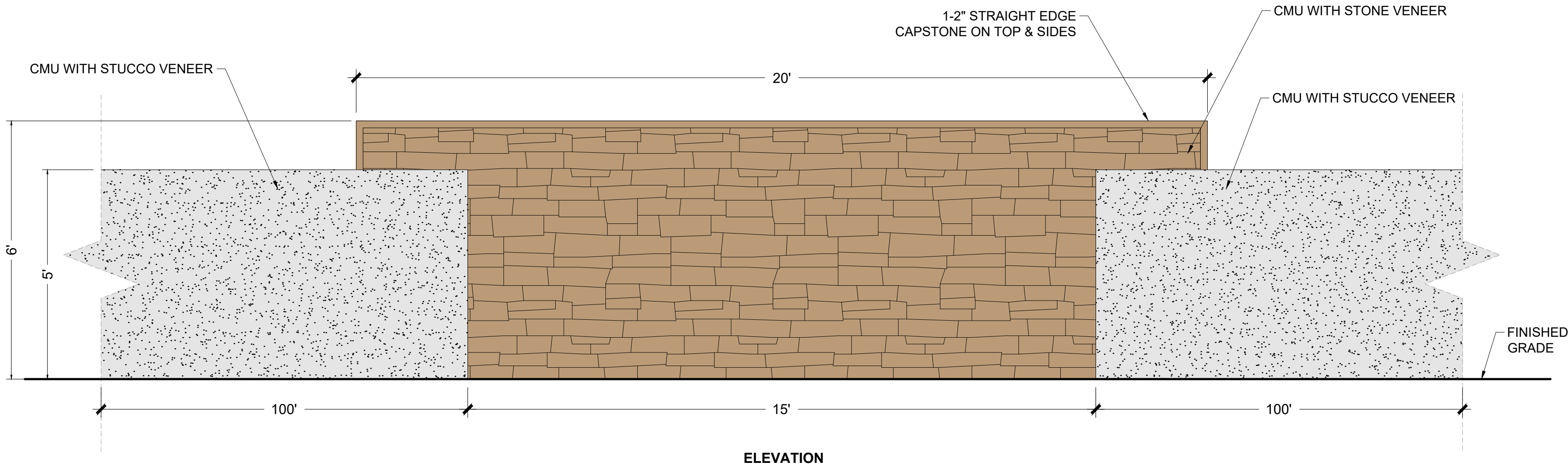


NOTE: 1. COLOR AND FINISH REQUIRE TOWN APPROVAL.  
2. STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN/CALCS (FOOTING, REBAR, HORIZONTAL REINFORCEMENT, ETC.).  
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS.  
4. STUCCO TO WRAP AROUND ALL SIDES OF CMU WALL.  
5. TOP TO SLOPE 1% TO PROVIDE DRAINAGE.

2 THEME WALL ELEVATION SCALE: NTS

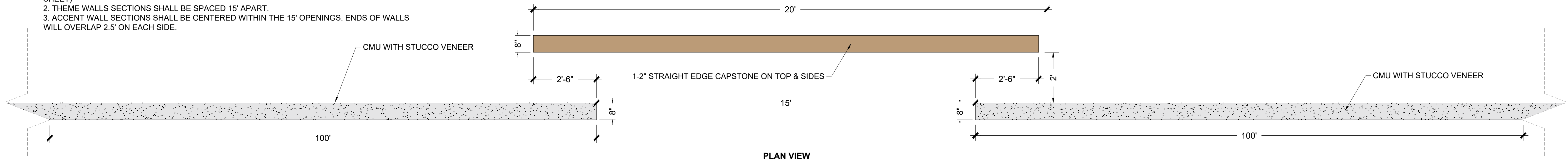


3 ACCENT WALL ELEVATION NTS



NOTES:  
1. BUFFERYARD SCREEN WALL SHALL BE A SERIES OF 20' LONG STONE VENEER SECTIONS & STUCCO SECTIONS OF VARYING LENGTHS OF MAX. 100 FT OFFSET 2' FROM EACH OTHER FOR WILDLIFE MOVEMENT. (SEE LANDSCAPE PLAN LS-1 & LS-2 FOR PLACEMENT & DETAILS THIS SHEET)  
2. THEME WALLS SECTIONS SHALL BE SPACED 15' APART.  
3. ACCENT WALL SECTIONS SHALL BE CENTERED WITHIN THE 15' OPENINGS. ENDS OF WALLS WILL OVERLAP 2.5' ON EACH SIDE.

NOTE: SEE SHEET R-2 FOR COLORS & FINISHES

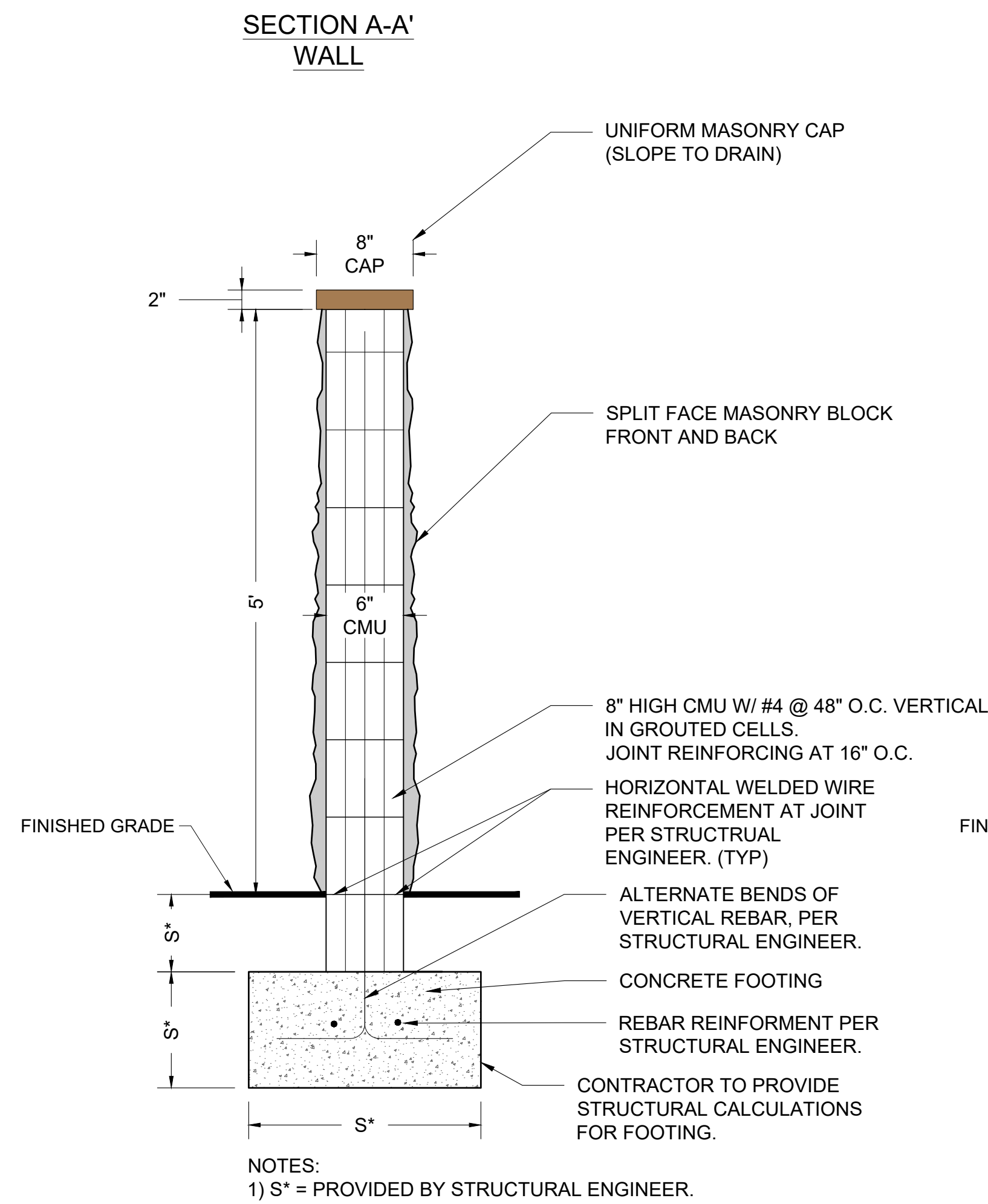


4 ENTRY & STREET ALTERNATING THEME & ACCENT WALLS ELEVATION NTS

#	REVISIONS/SUBMITTALS	DATE



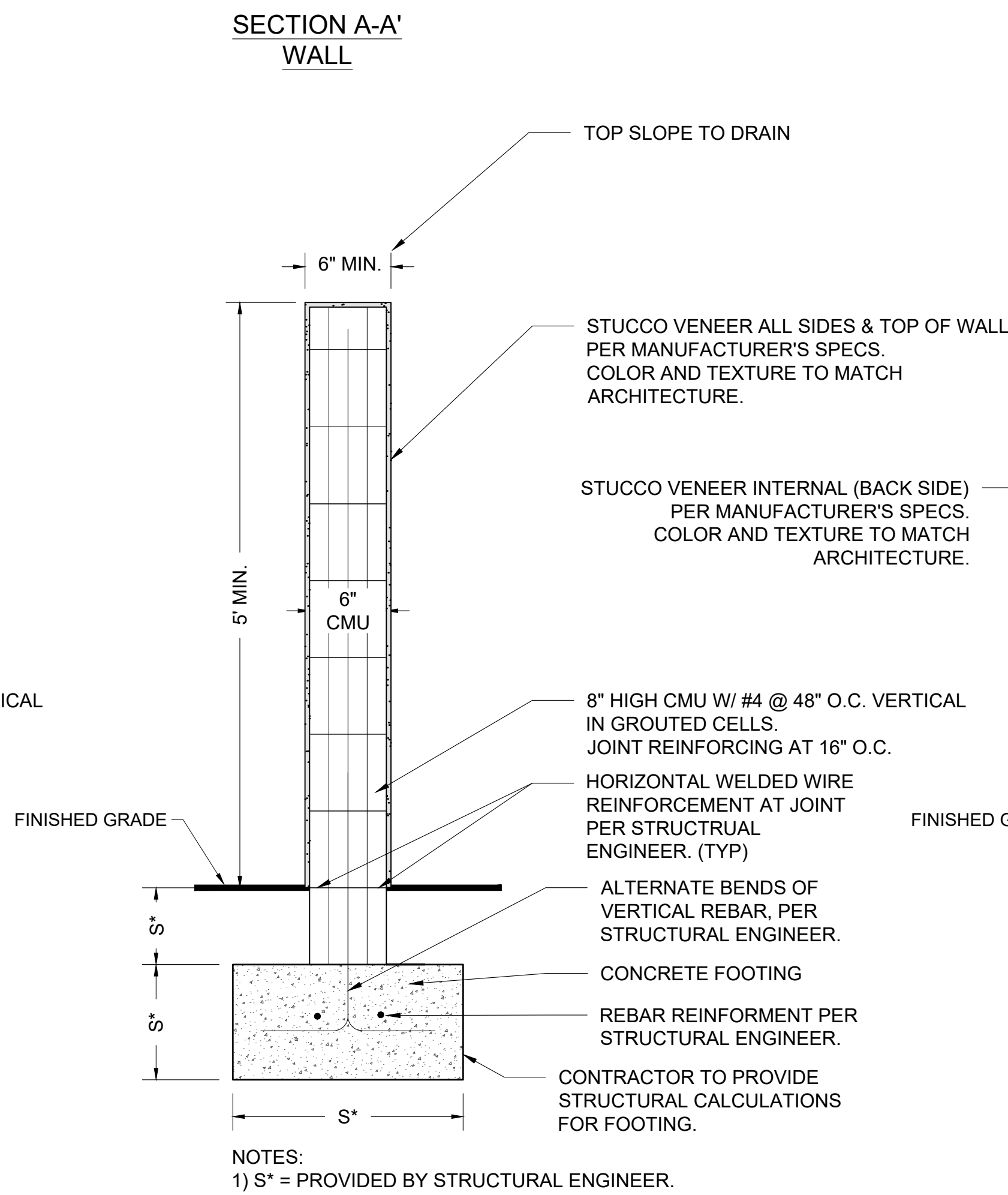
**NOTE:**  
**STRUCTURAL ENGINEER SHALL PROVIDE THE REQUIRED PERMIT, DETAILS, & CALCULATIONS OF STRUCTURAL PLAN ELEMENTS.**



**SCREEN WALL  
BUILDINGS**

**1** SCREEN WALL  
ELEVATION

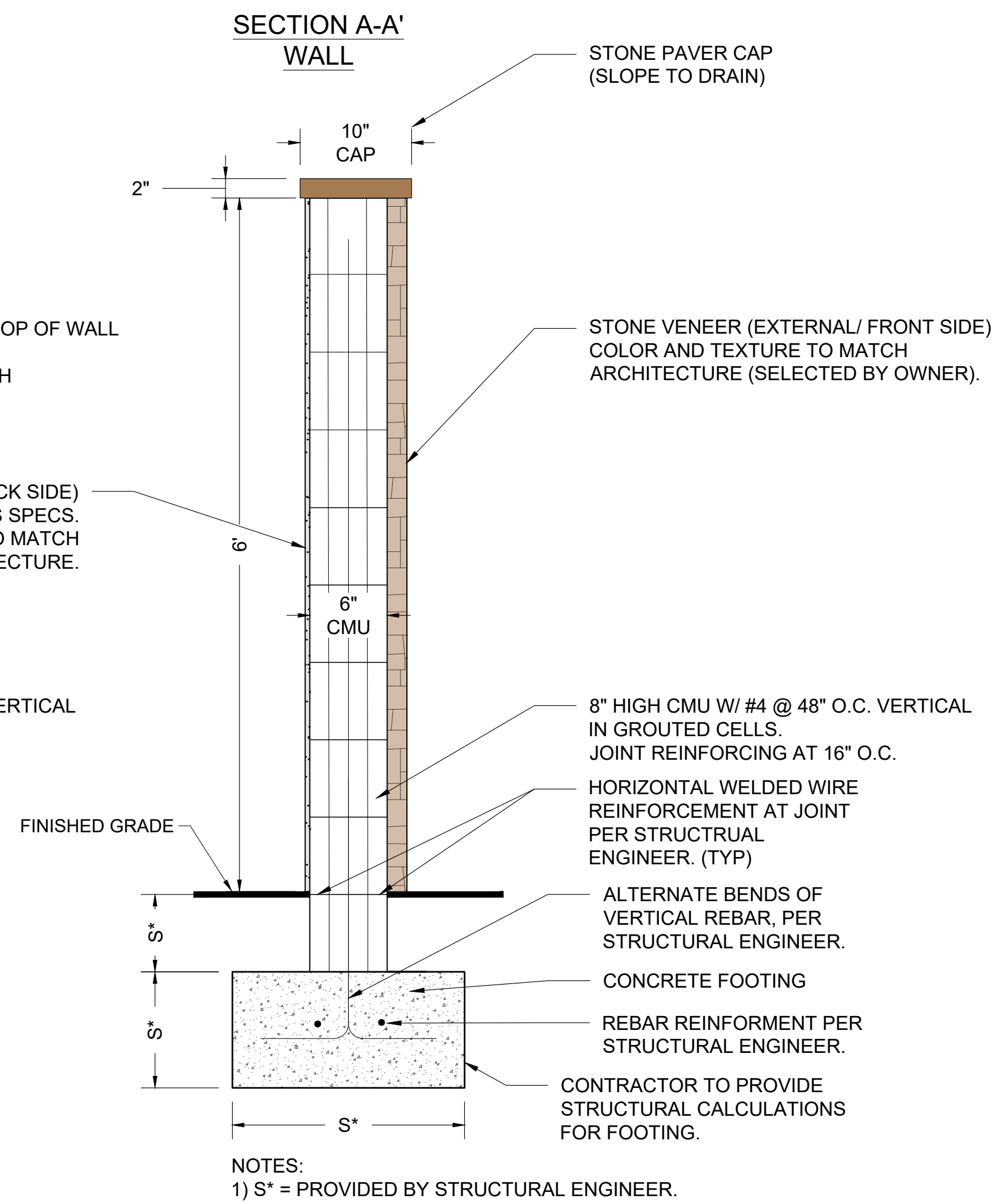
NTS



**THEME WALL**

**2** THEME WALL  
ELEVATION

NTS



**ACCENT WALL**

**3** ACCENT WALL  
ELEVATION

NTS

#	REVISIONS/SUBMITTALS	DATE

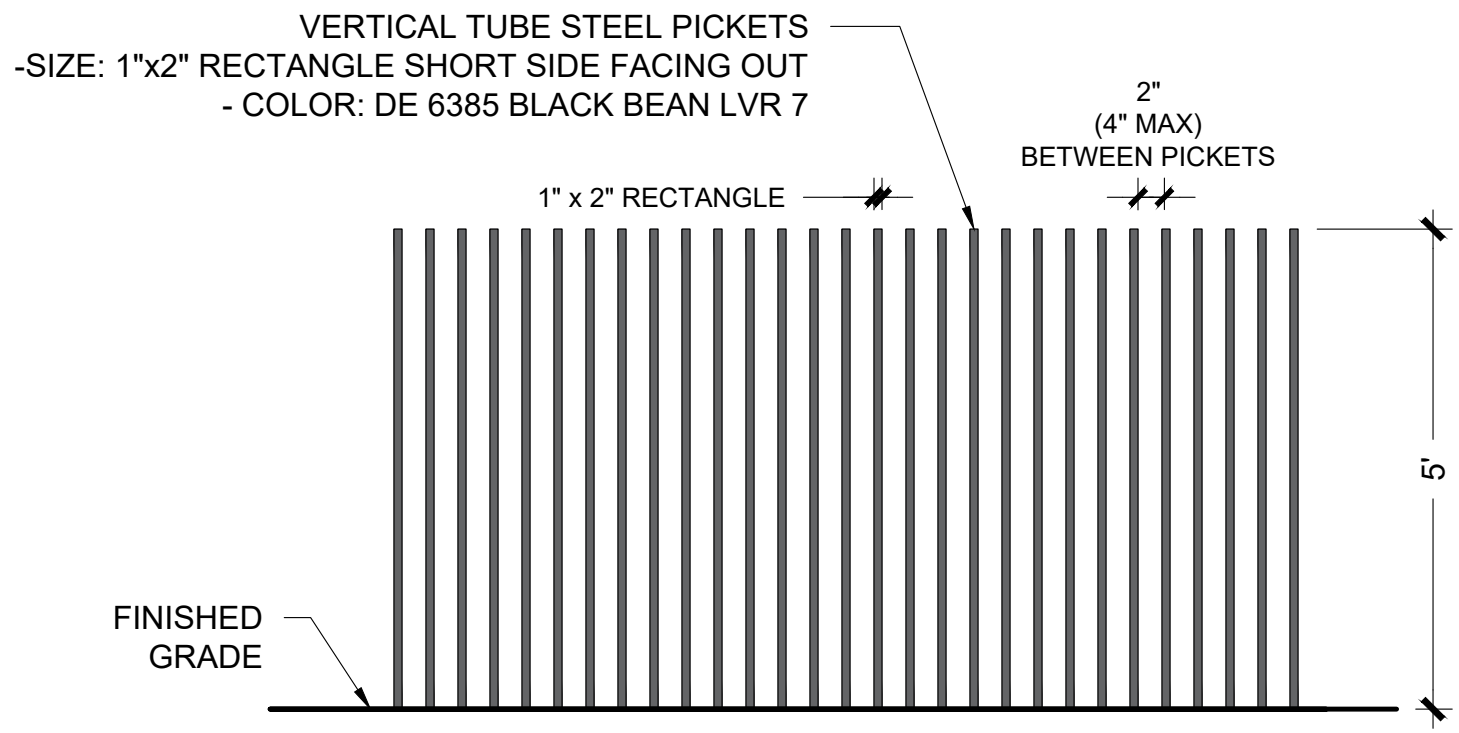
## HARDSCAPE DETAILS

FOR AGENCY REVIEW AND APPROVAL ONLY. NOT FOR CONSTRUCTION. NOT FOR BIDDING





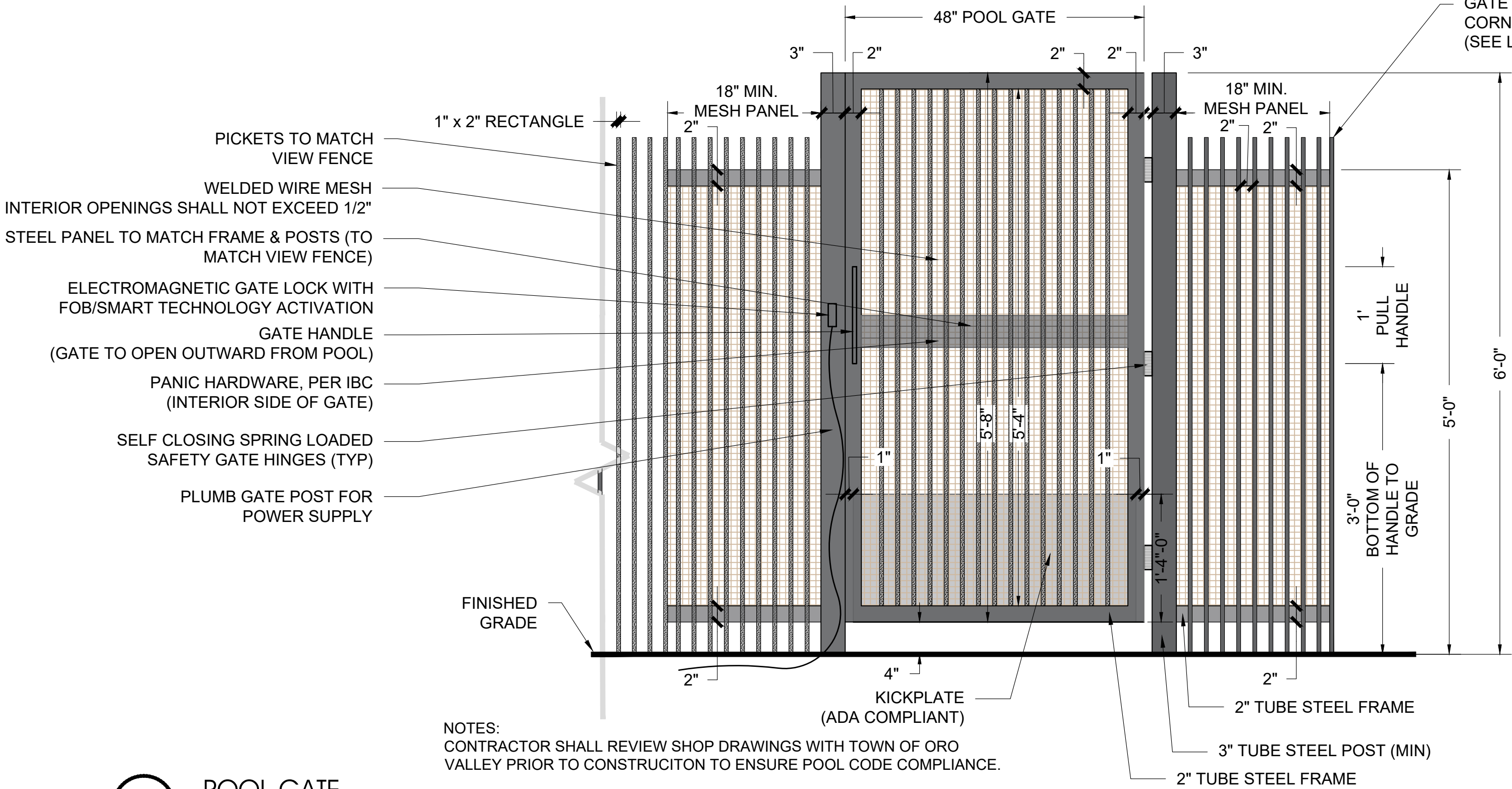
NOTE: SEE SHEET R-2 FOR COLORS & FINISHES



- NOTES:
- 1) CONTRACTOR TO PROVIDE SHOP DRAWINGS. FENCE RAIL AND CONCRETE FOOTING TO BE HIDDEN BELOW GRADE.
  - 2) STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN/CALCS (FOOTING, REINFORCEMENT, ETC.).
  - 3) ALL WELDS TO BE CONTINUOUS.
  - 4) VIEW FENCE TO BE ELECTROSTATICALLY PAINTED WITH TWO COMPONENT ACRYLIC URETHANE ENAMEL.
  - 5) MATERIAL COLORS AND FINISHES: DE6385 BLACK BEAN LVR7 (TO MATCH ARCHITECTURAL RAILING & DOORS)
  - 6) MATERIALS TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

1 POOL VIEW FENCE ELEVATION

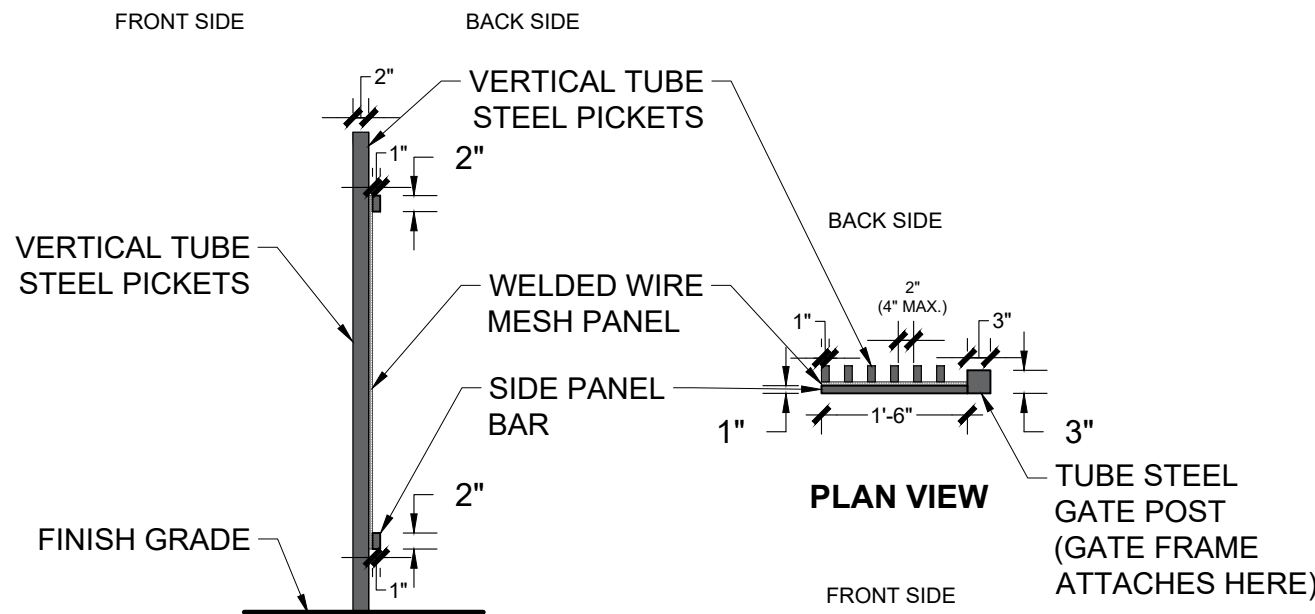
NTS



- NOTES:
- 1) CONTRACTOR SHALL REVIEW SHOP DRAWINGS WITH TOWN OF ORO VALLEY PRIOR TO CONSTRUCTION TO ENSURE POOL CODE COMPLIANCE.

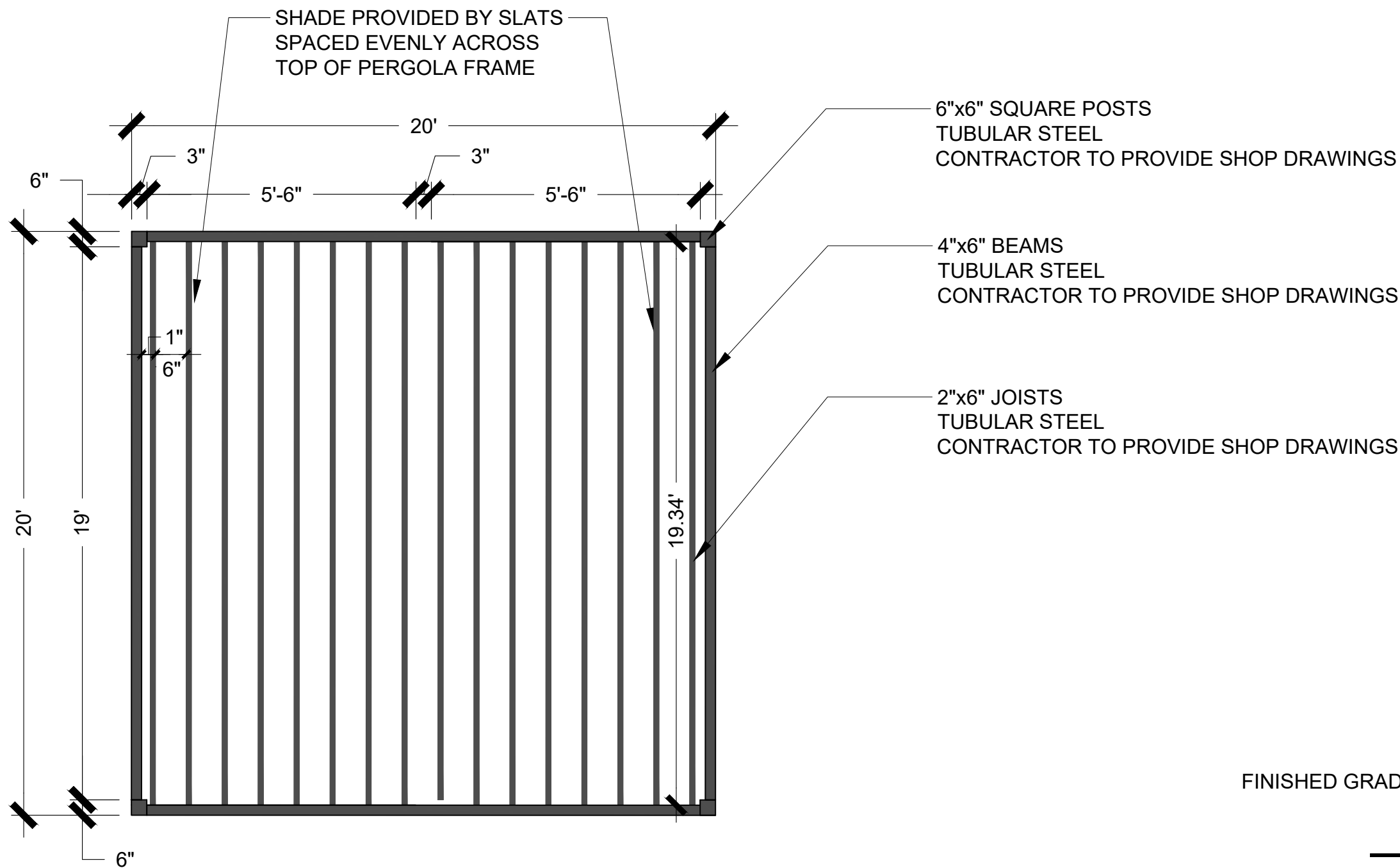
2 POOL GATE ELEVATION

NTS



GATE 18\"/>

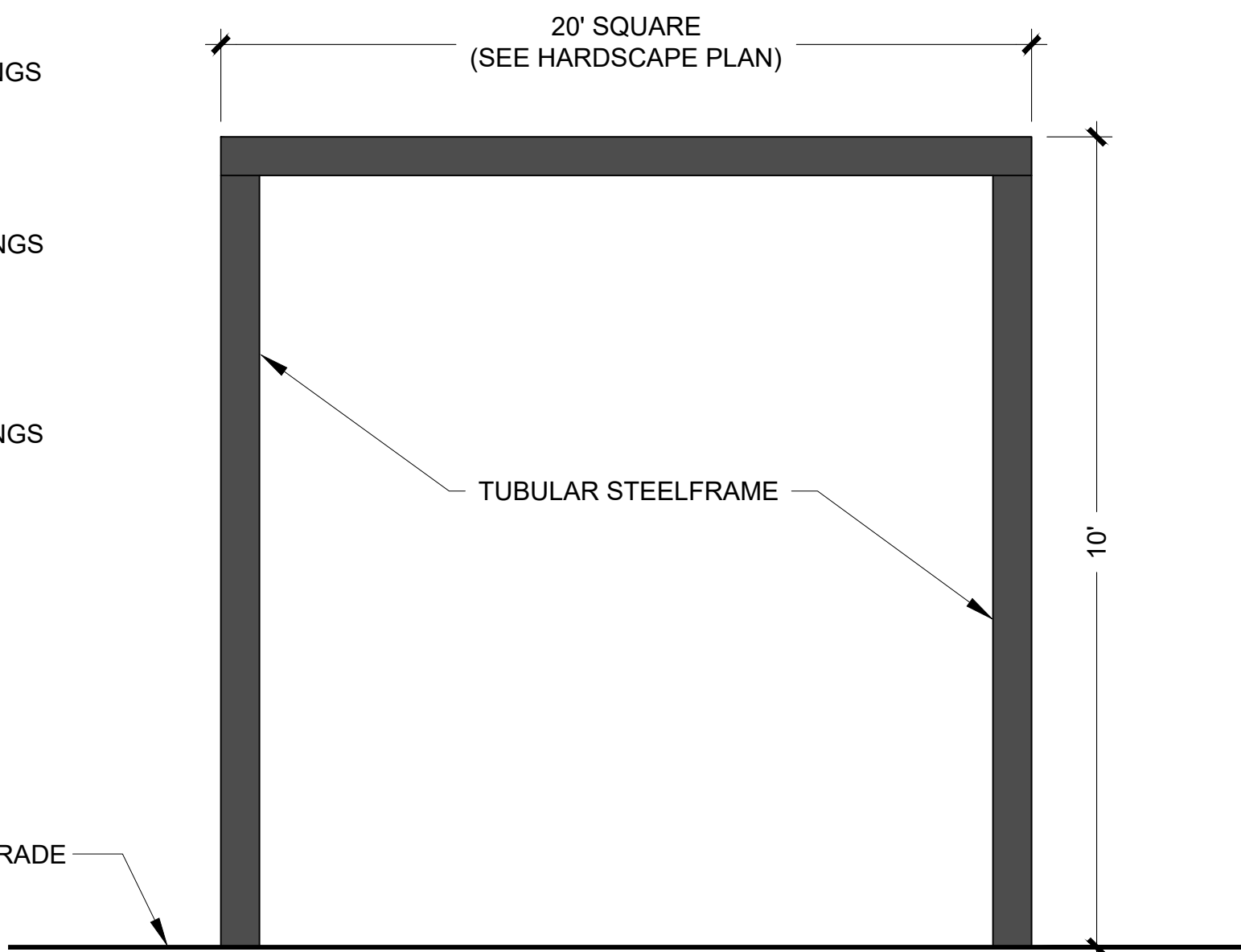
- NOTES:
- 1) GATE SHALL INCLUDE PANIC HARDWARE.
  - 2) GATE SHALL BE SELF CLOSING AND SELF LATCHING.
  - 3) GATE SHALL BE ELECTROSTATICALLY PAINTED WITH TWO COMPONENT ACRYLIC URETHANE ENAMEL.
  - 4) PAINT COLOR: DE6385 BLACK BEAN LRV 7 (TO MATCH ARCHITECTURAL RAILING & DOORS)
  - 5) ALL WELDS SHALL BE CONTINUOUS.
  - 6) CONTRACTOR TO PROVIDE SHOP DRAWINGS.
  - 7) NO OPENINGS (LARGER THAN 1/2") SHALL BE LOCATED WITHIN 24" (TOP AND BOTTOM) OF THE PANIC BAR.
  - 8) GATES SHALL OPEN OUTWARD (AWAY FROM POOL). DOORS SHALL VARY SWING (RIGHT HAND REVERSE OR LEFT HAND REVERSE PER PLAN) ACCORDING TO PLAN ON SHEETS LS-2 & R-6
  - 9) KICKPLATE (PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN SEC 404.2.10 & 1991 PART 36 TITLE III ADA REGULATION APPENDIX A4.13.9): SIZE: 46" W x 16" H | MATERIAL: SOLID SURFACE MATERIAL WITHIN 1/8" IN OF SURFACE INSTALLED UPON. | INSTALL: ON PUSH SIDE OF GATE, CENTERED & EVEN WITH BOTTOM EDGE OF GATE.



- NOTES:
- 1) ELEVATION DIMENSIONS IN THIS DETAIL ARE FOR PERGOLA LOCATED IN POOL AMENITY AREA.
  - 2) CONTRACTOR TO PROVIDE SHOP DRAWINGS.
  - 3) MATERIAL COLORS AND FINISHES: DARK BRONZE. (TO MATCH ARCHITECTURE WINDOW TRIM BRONZE CAP | TAG WT-1.)
  - 4) MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  - 5) REQUIRES SEPARATE REVIEW & APPROVAL BY THE TOWN.

3 PERGOLA CONCEPT (POOL AMENITY AREA) PLAN VIEW

NTS



- NOTES:
- 1) ELEVATION DIMENSIONS IN THIS DETAIL ARE FOR PERGOLA LOCATED IN POOL AMENITY AREA.
  - 2) CONTRACTOR TO PROVIDE SHOP DRAWINGS.
  - 3) MATERIAL COLORS AND FINISHES: DARK BRONZE. (TO MATCH ARCHITECTURE WINDOW TRIM BRONZE CAP | TAG WT-1.)
  - 4) MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
  - 5) REQUIRES SEPARATE REVIEW & APPROVAL BY THE TOWN.

4 PERGOLA CONCEPT (POOL AMENITY AREA)

NTS



COLOR COATED STEEL & PLASTIC IN: NATURAL COLOR SCHEME (TANS/GREENS/BROWNS)  
NOTE: EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.

5 PLAY EQUIPMENT (POST & PLATFORM STRUCTURE W/ SLIDE)

NTS

#	REVISIONS/SUBMITTALS	DATE

## HARDSCAPE DETAILS

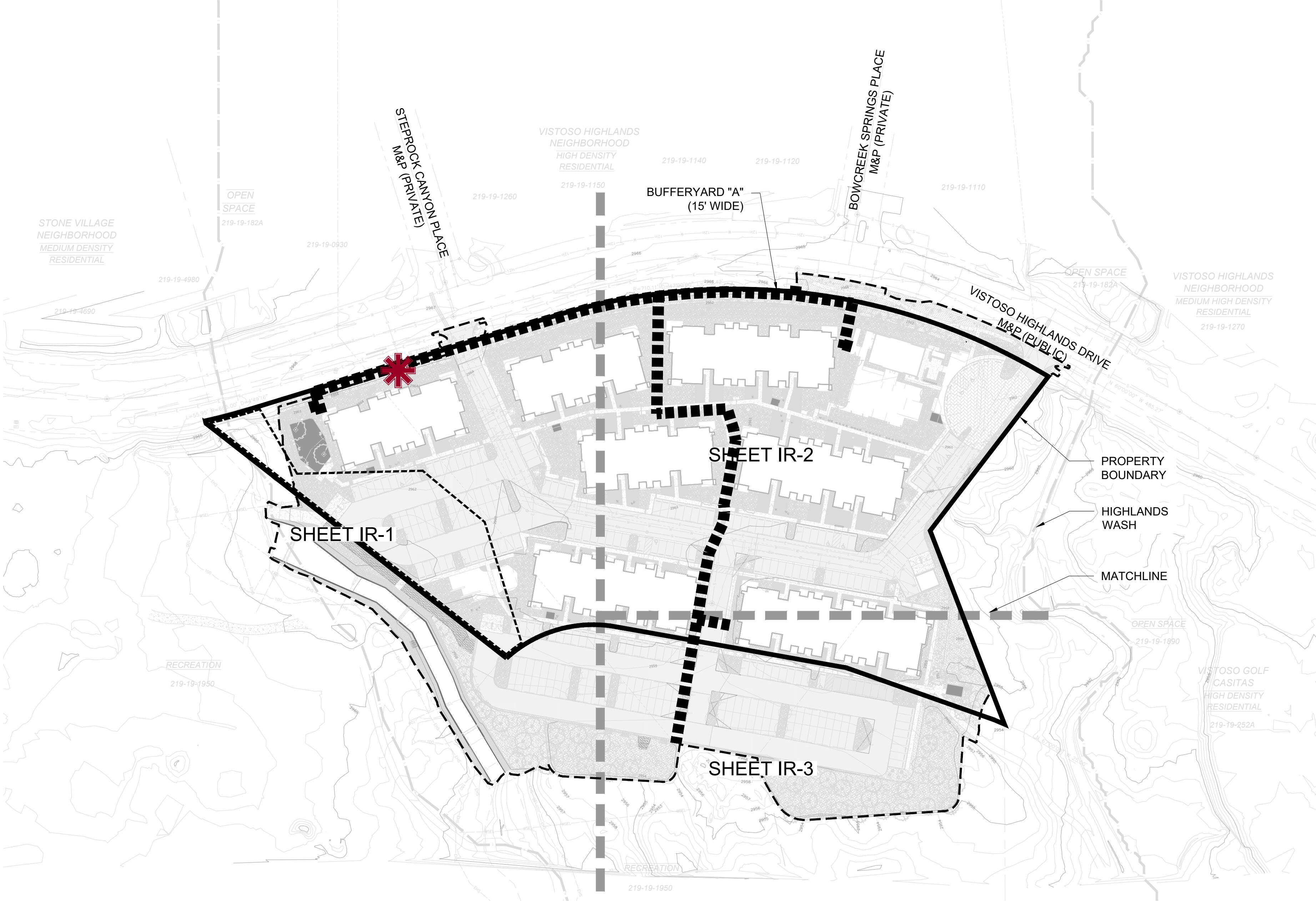




IRRIGATION PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
CASE #2401047

GENERAL NOTES:

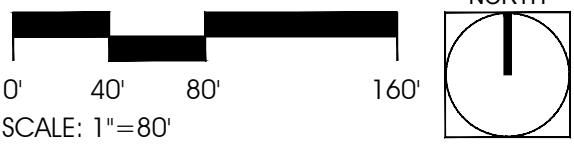
1. Irrigation and/or watering plans shall meet the minimum standards of the American Society of Irrigation Consultants.
2. Irrigation systems connected to potable water mains (public or private) shall be equipped with backflow preventers.
3. The annual water use for a project shall not exceed the annual landscape water plan.
4. Irrigation meter readings shall be used to determine compliance with the landscape water plan. Non-compliance is subject to penalties under Oro Valley Town Code.
5. Meter readings shall be taken, at a minimum, on an annual basis. Monthly readings may be required, at the discretion of the Planning and Zoning Administrator, in order to address non-compliance with the Water Plan.
6. An initial meter reading shall be taken prior to the issuance of the certificate of occupancy and recorded for reference as part of the water plan.
7. Irrigation water shall not leave the landscaped areas and flow onto roads, parking areas, or sidewalks.
8. Contractor notes should be located at back of plan. For areas designated as common space or open space, specifically indicate ownership, purpose, restrictions, and maintenance responsibilities.



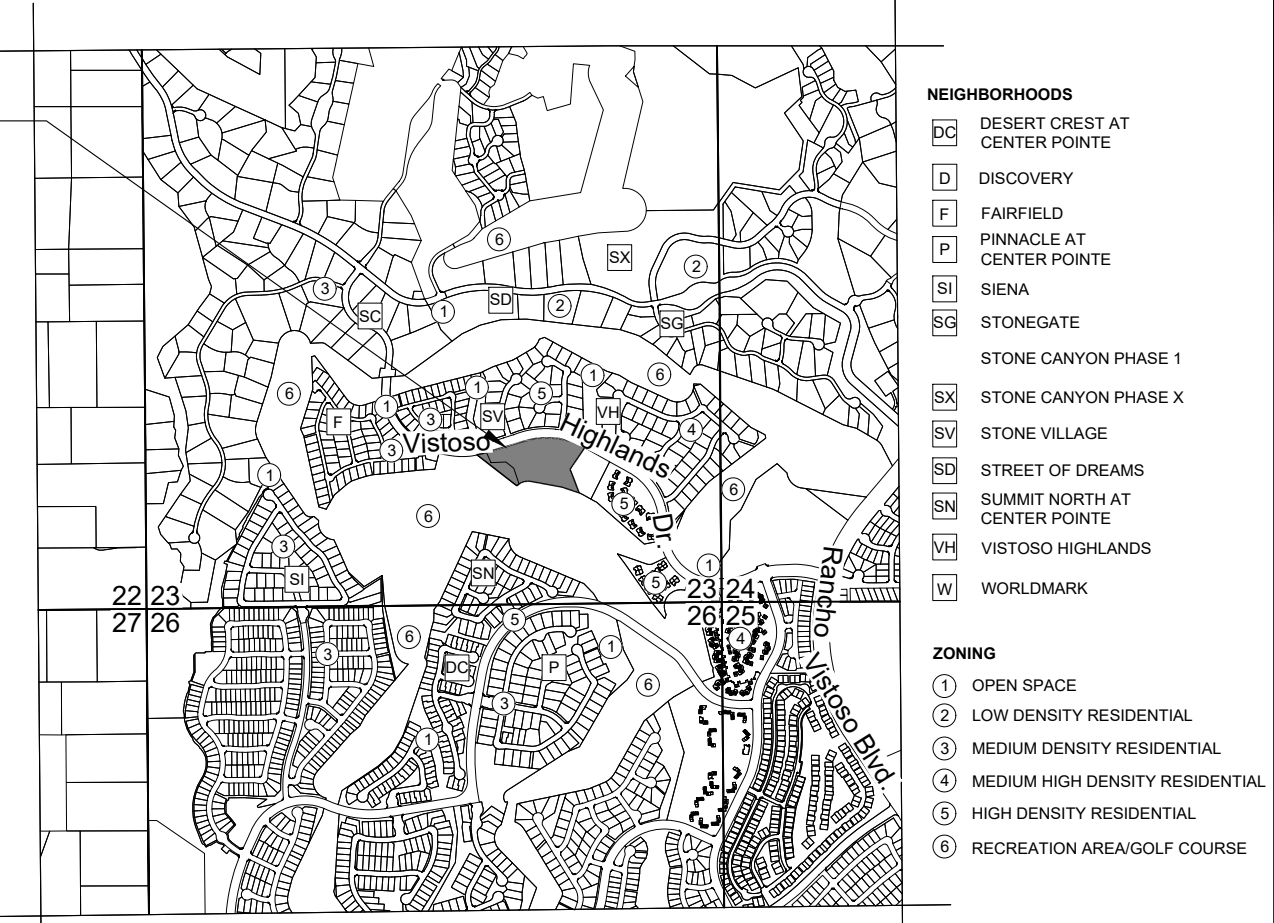
IRRIGATION LEGEND

LEGEND		Project Boundary
		Wash
		100-year Floodplain
		100-year Water Surface Elevation
		Top of Bank
		Erosion Hazard Setback
		Rezone Boundary
		Limits of Grading
		Parcels

	SHEET VIEW
	IRRIGATION MAINLINE
	POINT OF CONNECTION



THIS PROJECT



CTRL PTN W2 SE4 2.94 AC SEC 23-11-13;  
CTRL PTN SE4 6.07 AC SEC 23-11-13  
TOWN OF ORO VALLEY, ARIZONA

LOCATION MAP  
SCALE: 3" = 1 MILE

SHEET INDEX:

COVER	THIS SHEET
IRRIGATION PLAN	IR-1
IRRIGATION PLAN	IR-2
IRRIGATION PLAN	IR-3
IRRIGATION NOTES	IR-4
LANDSCAPE WATER PLAN	WP-1
IRRIGATION DETAILS	ID-1

SUBMITTAL HISTORY:

1ST SUBMITTAL	03/29/24	TOWN OF ORO VALLEY
2ND SUBMITTAL	07/19/24	TOWN OF ORO VALLEY
3RD SUBMITTAL	12/20/24	TOWN OF ORO VALLEY

TOWN ENGINEER  
(FOR LANDSCAPE PROPOSED WITHIN PUBLIC ROW)

DATE

PLANNING & ZONING ADMINISTRATOR

DATE



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

ENGINEER:  
RICK ENGINEERING CO.  
KEVIN HALL  
3945 E. FORT LOWELL RD., SUITE 111  
TUCSON, AZ 85712  
TEL: 52-795-1000  
khall@rickengineering.com

ARCHITECT:  
a23 STUDIOS  
BURAK BEKAT  
711 E 9TH ST.  
TUCSON, AZ 85719  
TEL: 520-245-4010  
burak@a23studios.com

OWNER/DEVELOPER:  
OV 132, LLC  
ROSS RULNEY  
P.O. BOX 43426  
TUCSON, AZ 85733  
520-465-8817  
rossrulney@gmail.com

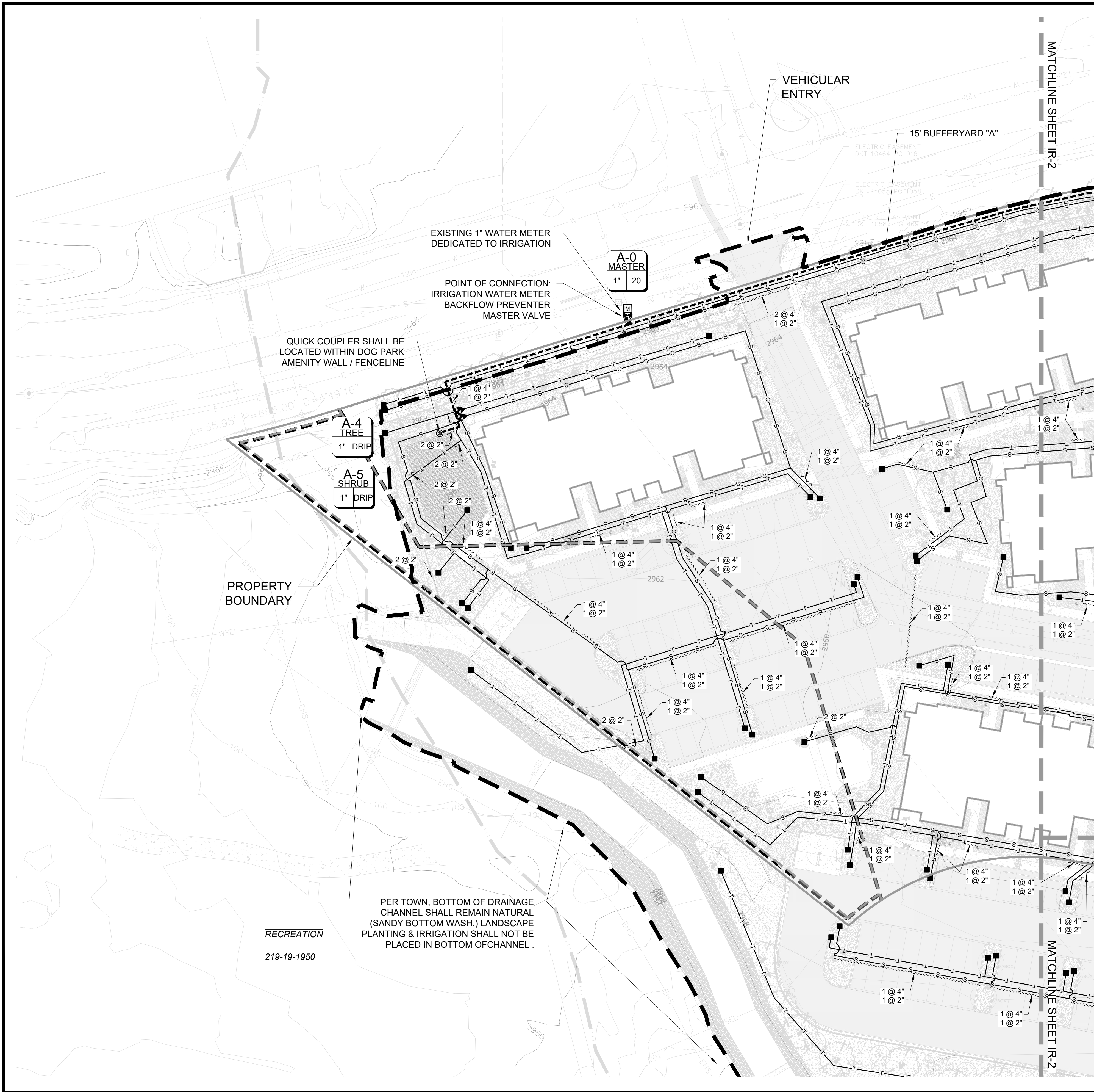


IRRIGATION PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

CASE NO:  
CASE #2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
IR-O  
35 OF 45

ALL PROJECTS (CCD-15) AUTOMATICALLY WORKING DRAWINGS (CCD-15) (J.D.W.G. 12/19/2024, 11:33 AM, KENDRA POTTER)  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS SHALL REMAIN WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE PLANNING CENTER.  
GRADING PERMIT #2401047





IRRIGATION LEGEND

- POINT OF CONNECTION/ EXISTING WATER METER: METER SIZE OF 1".
- REDUCED PRESSURE BACKFLOW PREVENTER, FEBCO '825Y/A', SIZE SHALL MATCH WATER METER SIZE. INSTALLED ON CONCRETE PAD, W/ INSULATED COVER, IN METAL ENCLOSURE W/ LOCK.
- 24 STATION CONTROLLER: MODEL #ESPLXME2 RAINBIRD LXME2 PRO CONTROLLER (IN 12 STATION MODULES) WITH #PSMLXME2 (PRO FLOW SMART MODULE) INSTALLED IN #LXMMSS WALL MOUNT STAINLESS STEEL CABINET MOUNTED TO INTERIOR WALL OF FACILITY MAINTENANCE BUILDING. CONTRACTOR TO COORDINATE LOCATION, POWER & CONDUIT W/ ARCHITECT.
- IRRIGATION MAINLINE: SCHEDULE 40 PVC, SIZE 1.5" BURY DEPTH: 18" COVER TO TOP OF LINE.
- QUICK COUPLER: RAINBIRD '3-RC', 3/4", RUBBER COVER, INSTALLED IN 9" ROUND BOX, TAN.
- DRIP ZONE KIT: RAINBIRD XGZ-100-PRB-COM, INSTALLED IN JUMBO VALVE BOX
- REMOTE CONTROL VALVE: RAINBIRD 100 - PEB, INSTALLED IN RAINBIRD #PVB VALVE BOX, TAN.
- ISOLATION VALVE: NIBCO SCHEDULE 40 PVC BALL VALVE. SIZE PER INCOMING LINE, INSTALLED IN RAINBIRD #PVB VALVE BOX, TAN
- IRRIGATION SLEEVES: SCHEDULE 40 PVC. SIZE AND QUANTITY AS NOTED. IF NOT NOTED, SIZE SHALL BE 4" AND QUANTITY SHALL BE (1). BURY DEPTH: 24" BELOW FINISHED SUBGRADE FOR SLEEVES UNDER ROADWAYS. BURY DEPTH: 18" FOR SLEEVES UNDER WALKS, DRIVEWAYS, SWALES AND TRAILS. INSTALL TRACER WIRE WITH ALL SLEEVES.
- TREE LATERAL W/ FLUSH CAP ASSEMBLY: POLYETHYLENE, SIZE 3/4". COMPRESSION OR THREADED FITTING. BURY DEPTH: 8" COVER TO TOP OF LINE.
- SHRUB LATERAL W/ FLUSH CAP ASSEMBLY: POLYETHYLENE, SIZE 3/4". COMPRESSION OR THREADED FITTING. BURY DEPTH: 8" COVER TO TOP OF LINE.
- FLUSH CAP ASSEMBLY W/ HOSE THREADED CAP. INSTALLED IN 6" ROUND BOX, TAN.

INCLUDED ITEMS (NOT SHOWN)

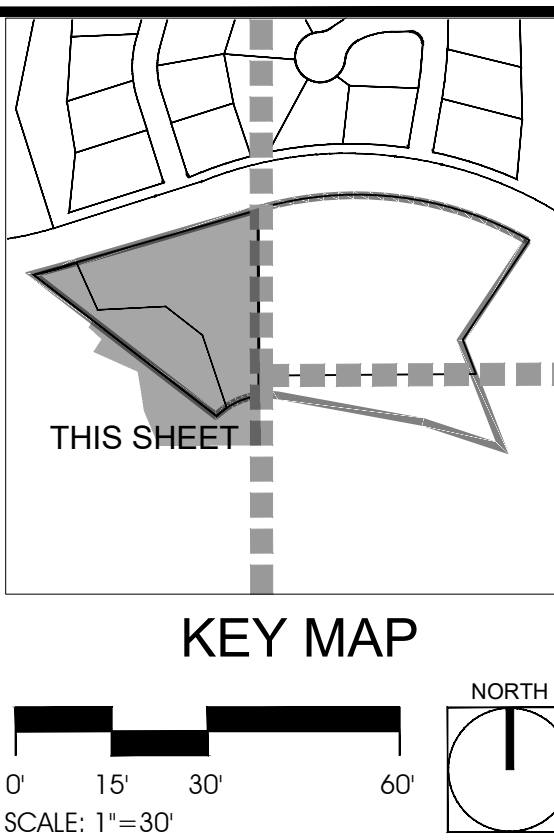
- NOT SHOWN CONTROL WIRE BURIED WITH MAINLINE, TO BE SIZED BY CONTRACTOR. BURY DEPTH: 12" COVER.
- NOT SHOWN CONTROL WIRE SPLICES/CONNECTIONS: ALL SPLICES OR CONNECTIONS OF CONTROL WIRES TO BE INSTALLED IN 6" ROUND BOX. CONNECTIONS SHALL BE WATERPROOFED AND MADE PER MANUFACTURER'S RECOMMENDATIONS.
- NOT SHOWN DISTRIBUTION TUBING: RAINBIRD 1/4" DISTRIBUTION TUBING. BURY DEPTH: 6" BELOW FINISHED SUBGRADE.
- NOT SHOWN SINGLE EMITTERS - RAINBIRD XERIBUG BARB X BARB EMITTERS. SEE EMITTER SCHEDULE. SHEET IR-4.
- NOT SHOWN MULTI-PORT EMITTERS - RAINBIRD XERIBUG MULTI OUTLET 1/2" FPT X BARB EMITTERS. SEE EMITTER SCHEDULE, SHEET IR-4.
- NOT SHOWN RAINBIRD FLOW SENSOR: RAINBIRD #UFS150 1.5" ULTRASONIC FLOW SENSOR INSTALLED AT MASTER VALVE, IN VALVE BOX. CONNECT TO FLOW SMART MODULE.

IRRIGATION NOTES:

- IRRIGATION EQUIPMENT AND IRRIGATION LINES ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL ADJUST AND INSTALL EQUIPMENT AND LINES AS REQUIRED.
- SLEEVE UNDER PAVEMENT, PAVERS, CURBS, WALKS, RIPRAP, AND OTHER HARDSCAPE AS REQUIRED. NOT ALL SLEEVES MAY BE SHOWN ON IRRIGATION PLANS. INSTALL SLEEVES AS REQUIRED TO PROVIDE IRRIGATION TO ALL PLANT MATERIAL.

LEGEND

- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezone Boundary
- Limits of Grading
- Parcels
- 2' Contour Interval

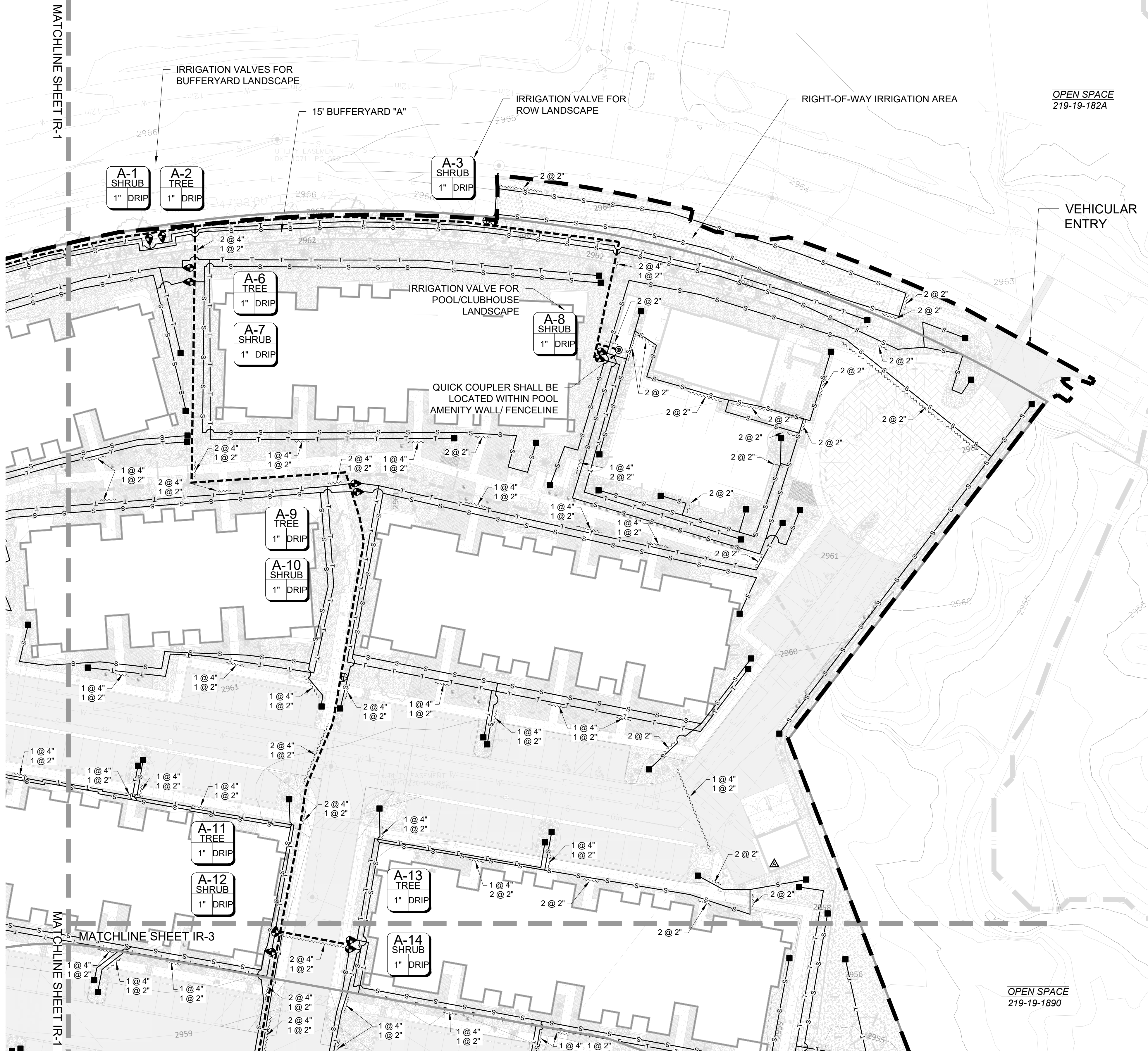


#	REVISIONS/SUBMITTALS	DATE

IRRIGATION PLAN







IRRIGATION LEGEND

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METER SIZE OF 1".
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INCLUDED ITEMS (NOT SHOWN)

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INSTALL SLEEVES AS REQUIRED TO PROVIDE  
IRRIGATION TO ALL PLANT MATERIAL.

IRRIGATION PLAN



IRRIGATION PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE  
#2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
IR-2  
37 OF 45

#	REVISIONS/SUBMITTALS	DATE







IRRIGATION NOTES

- All equipment shall be installed per manufacturer's specifications.
- Contractor shall assess existing automatic drip irrigation system throughout the project boundary. Contractor to repair, replace, and/or extend automatic drip irrigation system in conformance with Town of Oro Valley code development standards and permitting processes, and Town of Oro Valley standard details.
- Equipment shall be selected to ensure that water pressure is sufficient to provide irrigation to all plants throughout the project boundary (see emitter schedule on this sheet). All valves must be operated by automatic controller. Contractor to submit plans for any necessary permit applications.
- Irrigation equipment & irrigation lines shown are schematic - for graphic purposes only. Adjust and install equipment and lines as required.
- Note, specific to this project, landscape is planted in the right-of-way as mitigation treatment for existing right-of-way disturbed during project development and construction. Project site irrigation shall be extended into this right-of-way area to irrigate this revegetated landscape as needed for establishment. The right-of-way irrigation shall be placed on different control valve and isolation valve to separate and customize irrigation for the right-of-way. Irrigation of the right-of-way shall comply with Town of Oro Valley Zoning Code Section 27.6.D.3.f.v.6. See additional landscape in right of way notes below.
- Irrigation lines and equipment shall not disturb existing infrastructure.
- Irrigation equipment shall be sited in locations that minimize visual impact to building entries and the hardscape.. No valve boxes are to be located within twenty feet of an entry drive. Irrigation lines and equipment shall be located in unpaved areas wherever possible. When multiple valve boxes are installed within close proximity to one another, the boxes shall be aligned and spaced equidistant to each other. Valve boxes shall be aligned to adjacent hardscape when located within 10' of hardscape surface (sidewalk, curb, wall, etc.).
- Sleeves are shown schematically - for graphic purposes only. Sleeve under pavement, pavers, curbs, walks, riprap, and other hardscape as required. Install sleeves as required to provide irrigation to all plant material. All sleeves shall extend beyond drives and associated concrete and or asphalt, detention basin banks, and all riprap a minimum of two feet on both sides. Tracer wire shall be installed with all sleeves. Not all sleeves may be shown on this plan; contractor to coordinate.
- Irrigation and/or watering plans shall meet the minimum standards of the American Society of Irrigation Consultants.
- Irrigation of Salvaged Plants: Salvaged plants per the Native Plant Preservation Plan held in a temporary holding nursery on site, shall receive temporary irrigation during holding period until installation. Irrigation in the temporary holding area will be by PVC/polyethylene drip system confirming to Town of Oro Valley code, with a manual or automatic control valve. The system will be later abandoned/removed. The property owner is responsible for maintaining the temporary system as long as necessary in order to transition plants over to natural sources or permanent site irrigation. Any plant materials that die in transition, for any reason, shall be replaced in accordance with Town of Oro Valley Zoning Code Section 27.6.E.4 -Maintenance.
- Irrigation systems connected to potable water mains (public or private) shall be equipped with backflow preventers.
- The annual water use for a project shall not exceed the annual Landscape Water Plan. See Water Plan Sheet WP-1.
- Irrigation meter readings shall be used to determine compliance with the Landscape Water Plan. Non-compliance is subject to penalties under Oro Valley Town Code.
- Meter readings shall be taken, at a minimum, on an annual basis. Monthly readings may be required, at the discretion of the Planning and Zoning Administrator, in order to address non-compliance with the Water Plan.
- An initial meter reading shall be taken prior to the issuance of the certificate of occupancy and recorded for reference as part of the water plan.
- Irrigation water shall not leave the landscaped areas and flow onto roads, parking areas, or sidewalks.
- All plants will be irrigated with a permanent point source irrigation system. No plants will be installed within un-irrigated landscape areas.
- All vegetation located in buffer yards and landscape islands shall not receive irrigation water after five (5) years from the certificate of occupancy date. (OVZC Section 27.6.D.3.f.i)

LANDSCAPE IN RIGHT-OF-WAY (ROW) NOTES

- It is the owner's responsibility to keep the Sight Visibility Triangles (SVT), and the pedestrian access area clear of vegetation at all times.
- It is the owner responsibility to keep a 5' wide by 7' tall clear pedestrian access open across the entire property.
- It is the owner responsible to keep vegetation from growing past the curb line clear, and keep a 15' high clear zone over the travel lane.
- Final plant locations must be in compliance with all utility setback requirements.
- The owner understands that if the Town or any utility company needs to work within the ROW in the landscaped area, plants and irrigation may be destroyed without replacement or repair.
- The owner takes full liability for this landscape and irrigation, and any damage to roadway, sidewalk and utilities.
- The only private irrigation equipment that is allowed within the ROW are lateral lines, tubing and emitters that are not under constant pressure. All other equipment must be on private property (excluding water meter).
- Contractor to obtain a "Right Of Way Permit" prior to construction within the right-of-way.

PROJECT IRRIGATION SCHEDULE			
	BOTANICAL NAME COMMON NAME	EMITTER TYPE AND GPH	QTY
TREES	ACACIA CONstricta WHITETHORN ACACIA	MULTI-PORT (2 GPH) 4 OUTLETS	1
	ACACIA GREGGII CATCLAW ACACIA	MULTI-PORT (2 GPH) 4 OUTLETS	1
	CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	CHILOPSIS LINEARIS DESERT WILLOW	MULTI-PORT (2 GPH) 4 OUTLETS	1
	LYSILOMA WATSONII FEATHER TREE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	OLNEYA TESOTA IRONWOOD TREE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	PARKINSONIA FLORIDUM BLUE PALO VERDE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	PROSOPIS VELUTINA VELVET MESQUITE	MULTI-PORT (2 GPH) 4 OUTLETS	1
	PROSOPIS GLANDULOSA HONEY MESQUITE	MULTI-PORT (2 GPH) 4 OUTLETS	1
SHRUBS	AMBROSIA DELTOIDEA TRIANGLELEAF BURSAUGE	SINGLE (0.5 GPH)	1
	ANISACANTHUS THURBERII DESERT HONEYSUCKLE	SINGLE (1 GPH)	1
	ASCLEPIAS SUBULATA DESERT MILKWEED	SINGLE (1 GPH)	1
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	SINGLE (1 GPH)	1
	CELTIS PALLIDA DESERT HACKBERRY	SINGLE (2 GPH)	2
	DODONAEA VISCOSA GREEN HOPSEED BUSH	SINGLE (1 GPH)	2
	ENCELIA FARINOSA BRITTLEBUSH	SINGLE (0.5 GPH)	1
	LARREA TRIDENTATA CREOSOTE	SINGLE (1 GPH)	1
	LEUCOPHYLLUM SPP. TEXAS RANGER ANY CULTIVAR	SINGLE (1 GPH)	2
	PENSTEMON SUPERBUS SUPERB PENSTEMON	SINGLE (0.5 GPH)	1
ACCENTS & SUCCULENTS	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	SINGLE (1 GPH)	1
	ZIZIPHUS OBtusIFOLIA GRAYTHORN	SINGLE (1 GPH)	1
	AGAVE COLORATA MESCAL CENIZA	SINGLE (0.5 GPH)	1
	AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	SINGLE (0.5 GPH)	1
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	SINGLE (0.5 GPH)	1
	BAILEYA MULTIRADIATA DESERT MARGOLD	SINGLE (1 GPH)	2
	CARNEGIA GIGANTEA SAGUARO	NONE	0
	DASYLIRION WHEELERI DESERT SPOON	SINGLE (1 GPH)	1
	ECHINOCACTUS GRUSONII GOLDEN BARREL	SINGLE (0.5 GPH)	1
	ECHINOCEREUS SPP. HEDGEHOG CACTUS	SINGLE (0.5 GPH)	1
GROUND COVER	EUPHORBIA ANTISYPHILITICA CANDELLILLA	SINGLE (0.5 GPH)	1
	FEROCACTUS WISLIZENII FISHHOOK BARREL	NONE	0
	FOUQUERIA SPLENDENS COOTILLO	NONE	0
	JUSTICIA CALIFORNICA CHUPUROSA	SINGLE (1 GPH)	1
	OPUNTIA ENGELMANNI LINGUIFORMIS COW'S TONGUE PRICKLY PEAR	NONE	0
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	NONE	0
	OPUNTIA MICRODASYS 'YELLOW' YELLOW BUNNY EARS PRICKLY PEAR	NONE	0
	OPUNTIA VIOLACEA 'SANTA RITA' SANTA RITA PRICKLY PEAR	NONE	0
	PEDILANTHUS MACROCARPUS SLIPPER FLOWER	SINGLE (1 GPH)	1
	YUCCA ELATA SOAPTREE YUCCA	SINGLE (1 GPH)	2
GROUND COVER	YUCCA RIGIDA BLUE TREE YUCCA	SINGLE (1 GPH)	2
	MELAMPODIUM LEUCANTHUM BLACK-FOOT DAISY	SINGLE (1 GPH)	2
ROW LANDSCAPE IRRIGATION SCHEDULE			
	BOTANICAL NAME COMMON NAME	EMITTER TYPE AND GPH	QTY
ACCENTS & SUCCULENTS	AGAVE COLORATA MESCAL CENIZA	SINGLE (0.5 GPH)	1
	ALOE X 'BLUE ELF' BLUE ELF ALOE	SINGLE (0.5 GPH)	1
	CARNEGIA GIGANTEA SAGUARO	NONE	0
	ECHINOCACTUS GRUSONII GOLDEN BARREL	NONE	0
	EUPHORBIA ANTISYPHILITICA CANDELLILLA	SINGLE (0.5 GPH)	1
	EUPHORBIA RESINIFERA MOROCCAN MOUND	SINGLE (0.5 GPH)	1
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	NONE	0

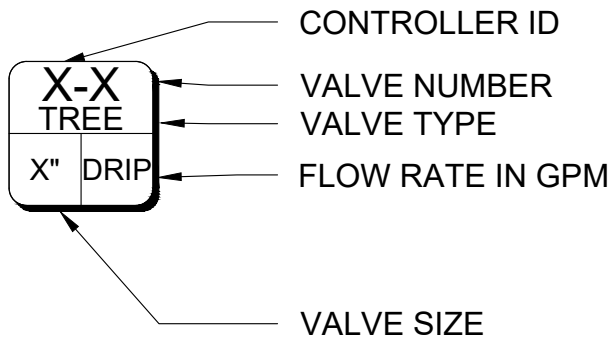
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WATER PRESSURE NOTE

NOTE: The irrigation system is designed to operate under a minimum static pressure of 60 psi at point of connection. Contractor shall test static pressure prior to ordering irrigation material or beginning the installation and advise (in writing) Landscape Architect or owner's authorized representative if pressure tests below 60 psi. Contractor shall at his expense, redesign and reinstall the system for proper operation if test pressure is below 60 psi and he fails to notify (in writing) Landscape Architect or owner's authorized representative prior to ordering or installing material.



PRESSURE LOSS CALCULATION FOR TREE VALVE: A-15	
STATIC PRESSURE AT POINT OF CONNECTION= MIN. 60 PSI	
GPM AT VALVE A-15 (USED FOR PRESSURE LOSS CALCS)= 11.1 gpm	
PSI LOSSES:	
1" METER:	-0.8 PSI
1" BFP:	-11.0 PSI
PVC MAINLINE(0.03 per 100LF):	-3.5 PSI
MASTER VALVE 1":	-1.9 PSI
ELEVATION:	+3.4 PSI
PRESSURE AT VALVE A-15	46.2 PSI

INCLUDED ITEMS (NOT SHOWN)

- NOT SHOWN

CONTROL WIRE BURIED WITH MAINLINE, TO BE SIZED BY CONTRACTOR. BURY DEPTH: 12" COVER.
- NOT SHOWN

CONTROL WIRE SPLICES/CONNECTIONS: ALL SPLICES OR CONNECTIONS OF CONTROL WIRES TO BE INSTALLED IN 6" ROUND BOX. CONNECTIONS SHALL BE WATERPROOFED AND MADE PER MANUFACTURER'S RECOMMENDATIONS.
- NOT SHOWN

DISTRIBUTION TUBING: RAINBIRD 1/4" DISTRIBUTION TUBING. BURY DEPTH: 6" BELOW FINISHED SUBGRADE.
- NOT SHOWN

SINGLE EMITTERS - RAINBIRD XERIBUG BARB X BARB EMITTERS. SEE EMITTER SCHEDULE, SHEET IR-4.
- NOT SHOWN

MULTI-PORT EMITTERS - RAINBIRD XERIBUG MULTI OUTLET 1/2" FPT X BARB EMITTERS. SEE EMITTER SCHEDULE, SHEET IR-4.
- NOT SHOWN

RAINBIRD FLOW SENSOR: RAINBIRD #UFS150 1.5" ULTRASONIC FLOW SENSOR INSTALLED AT MASTER VALVE, IN VALVE BOX. CONNECT TO FLOW SMART MODULE.

#	REVISIONS/SUBMITTALS	DATE

IRRIGATION NOTES





LANDSCAPE WATER PLAN

Season	Winter		Spring		Summer		Monsoon			Winter		
Month	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	Continue to increase irrigation water use as needed as plants mature up to, but not exceeding, 100% ADWR value by end of year. (For 100% ADWR annually, average monthly water use = 103,530 gal/month)											
Monthly Water Use	86,767	81,345	92,190	97,613	140,997	151,843	130,151	130,151	103,036	103,036	97,613	86,767
	TOTAL (comparison metric 100% ADWR = 1,242,359 gal/year)										TOTAL	1,301,512
Year 4	Begin gradually decreasing irrigation to buffer, median, and ROW areas in order to reach zero irrigation in those areas by end of year 5. (to reach 75% ADWR by end of year, average monthly water use = 77,647 gal/month)											
Monthly Water Use	65,076	61,008	69,143	73,210	105,748	113,882	97,613	97,613	77,277	77,277	73,210	65,076
	TOTAL (comparison metric 75% ADWR = 931,769 gal/year)										TOTAL	976,134
Year 5	Continue decreasing irrigation to buffer, median, and ROW areas. By end of year 5, irrigation to buffer, median, and ROW areas must be zero, and total amount of water used at site must meet 50% of ADWR maturity value. (to reach 50% ADWR, average monthly water use = 51,765 gal/month)											
Monthly Water Use	43,384	40,672	46,095	48,807	70,499	75,922	65,076	65,076	51,518	51,518	48,807	43,384
	TOTAL (comparison metric 50% ADWR = 621,180 gal/year)										TOTAL	650,756

IRRIGATION CONTROL SCHEDULE

Irrigation Control Schedule				
Year	Days	Frequency	Time	Total Water
3	M,W,F	40	40	1,355,635
4	M,W,F	30	30	1,016,726
5	T, TH	30	30	677,818

LANDSCAPE WATER PLAN NOTES

- The annual irrigation water use for the project shall not exceed the annual Landscape Water Plan.
- Irrigation meter readings shall be used to determine compliance with the Landscape Water Plan. Non-compliance is subject to penalties under Oro Valley Town Code.
- Meter readings shall be taken, at a minimum, on an annual basis.
- An initial meter reading shall be taken prior to issuance of the Certificate of Occupancy and shall be recorded for reference as part of the water plan reporting requirements.
- Bufferyards shall not receive irrigation water after 5 years from Certificate of Occupancy.

NOTE: Water use type and annual water use (gallons) at plant maturity are taken from the Arizona Department of Water Resources Low Water Use/Drought Tolerant Plant List for the Tucson Active Management Area in which the Town of Oro Valley resides. (Per Oro Valley Zoning Code Section 27.6.d.3.d "plant water use calculations shall be based the most current water use information from the Arizona Department of Water Resources."

#	REVISIONS/SUBMITTALS	DATE

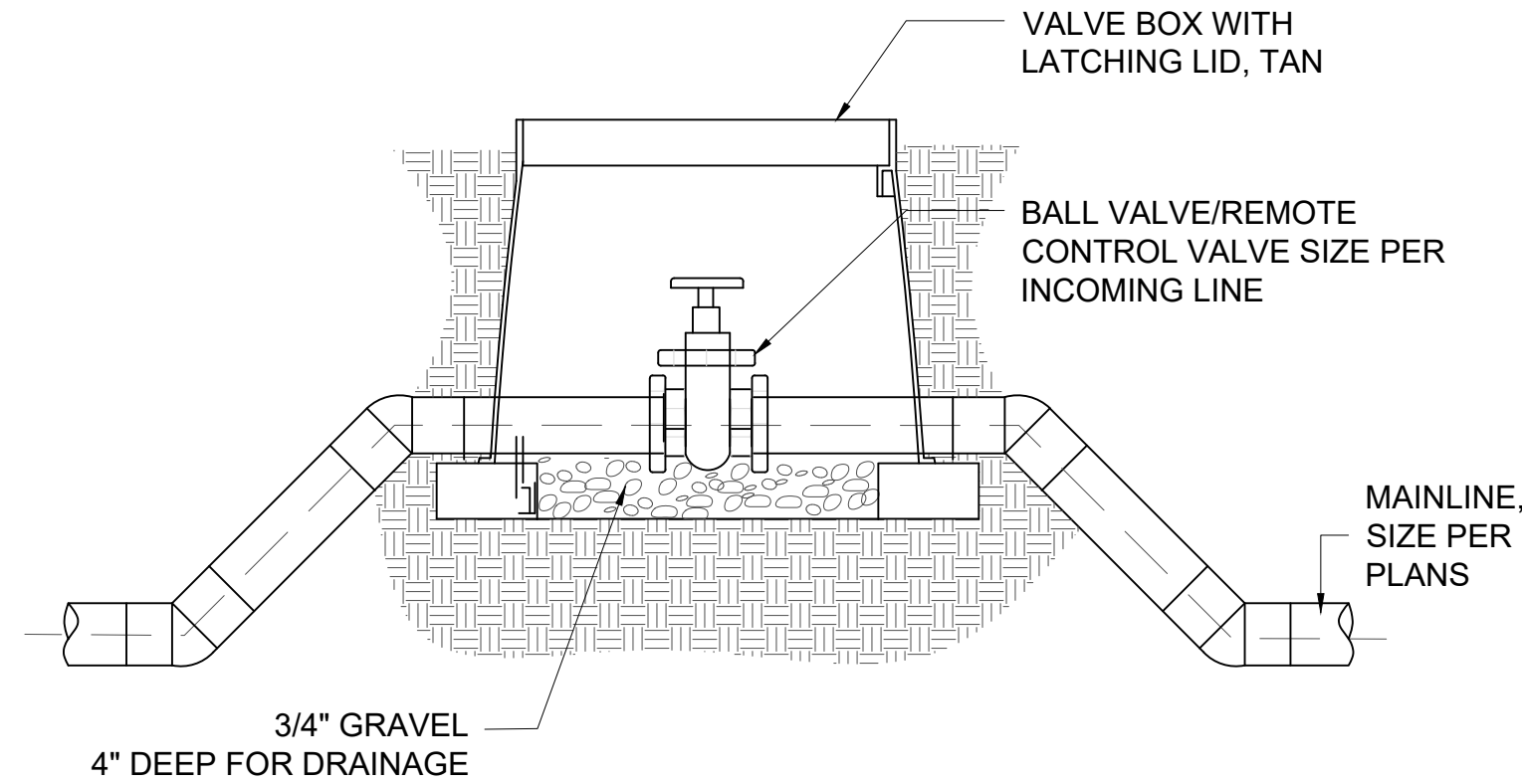
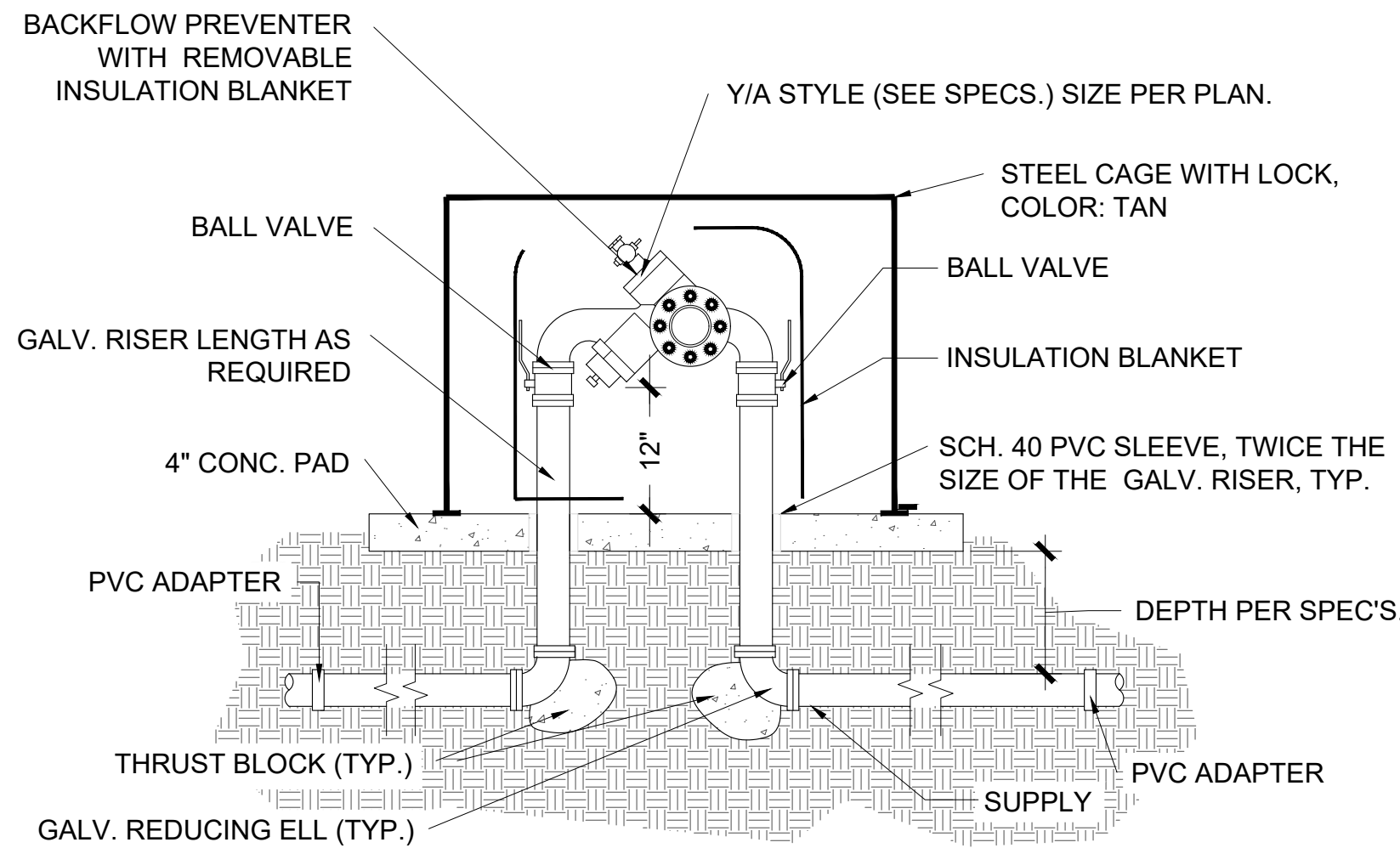
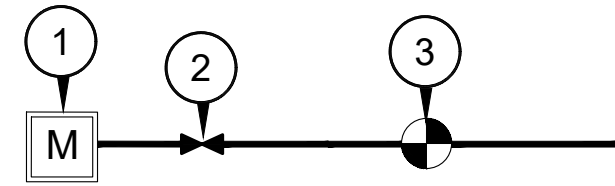
LANDSCAPE WATER PLAN





KEYNOTES:

1. METER: 1". CONTRACTOR TO PROVIDE SHOP DRAWINGS.
2. 1" REDUCED PRESSURE BACKFLOW PREVENTER FEBCO 825Y - INSTALLED IN ENCLOSURE WITH LOCK.
3. NORMALLY CLOSED 1" MASTER SOLENOID CONTROL. WIRE TO NEAREST CONTROLLER SPARE STATION.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS.



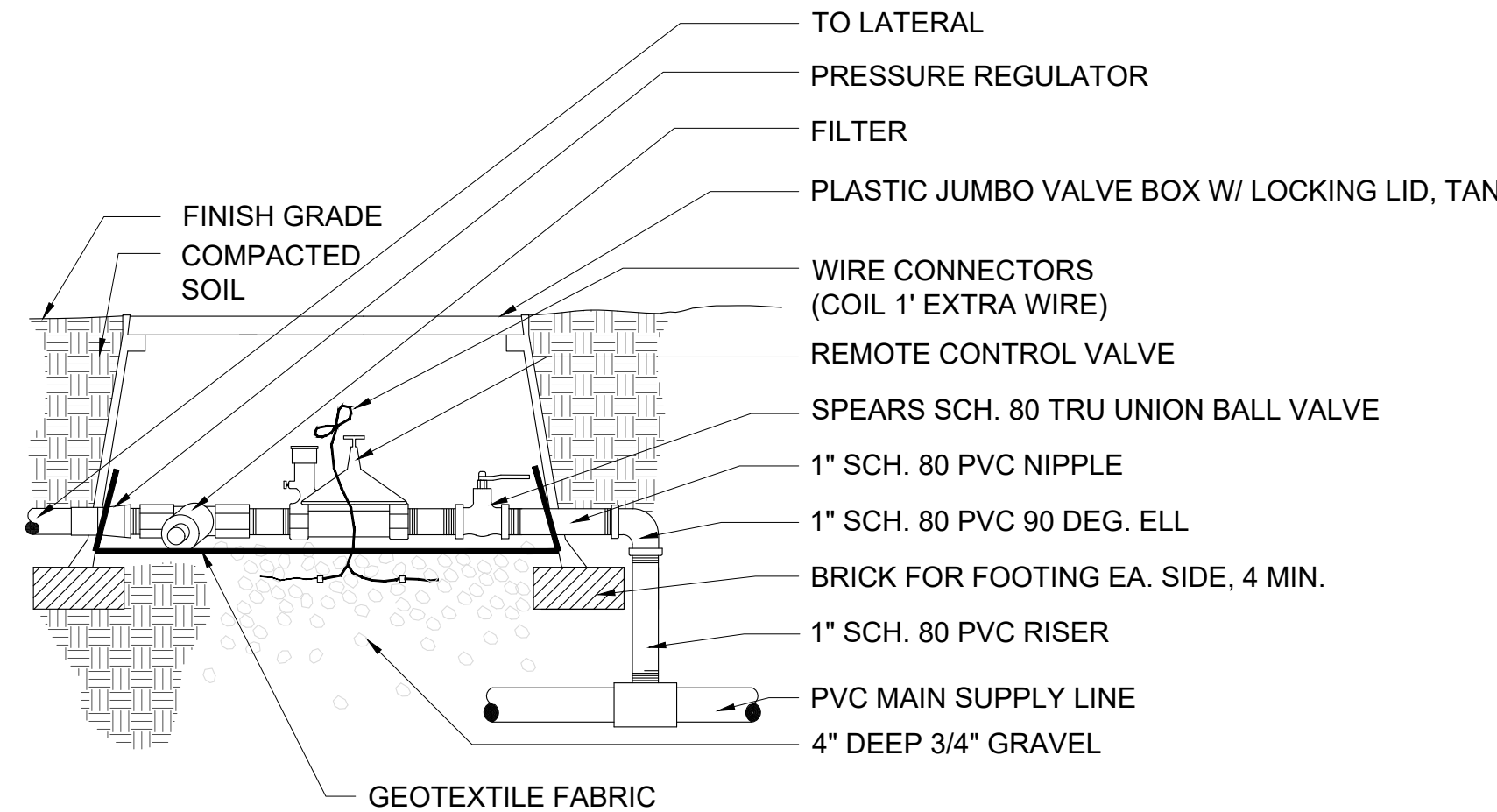
- NOTES:
1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODE. TAPE AND BUNDLE WIRE EVERY 20' PROVIDE EXPANSION COILS AT EA. WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" PIPE 15 TIMES)
  2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
  3. ALL THREADED PVC JOINTS TO BE WRAPPED WITH TEFLON TAPE OR APPROVED EQUAL.
  4. INSTALL GRAVEL AT BOTTOM OF BOX, 4" DEPTH

1 MASTER VALVE ASSEMBLY W/ FLOW SENSOR  
DETAIL NTS

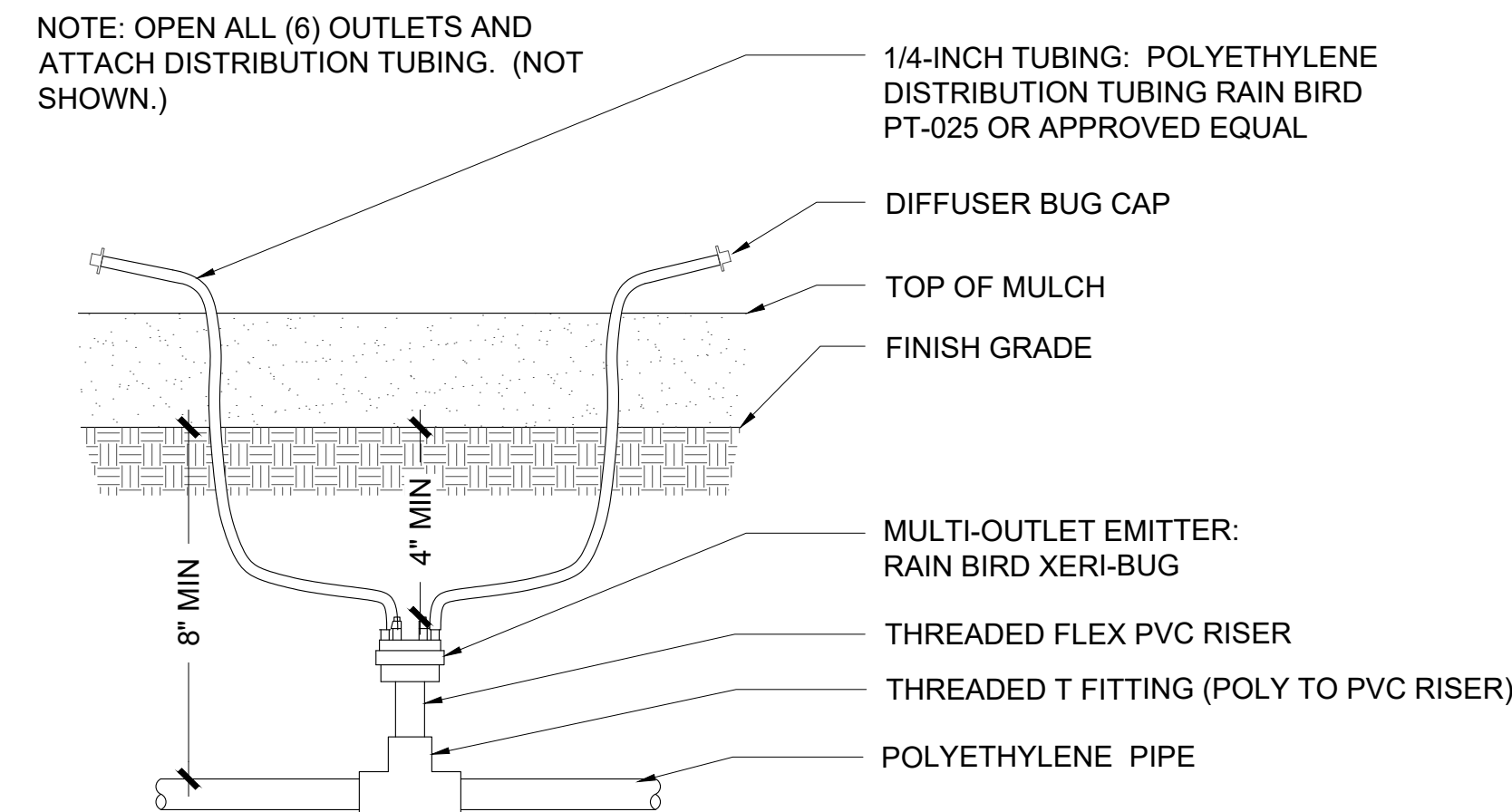
2 REDUCED PRESSURE BACKFLOW PREVENTER  
DETAIL NTS

3 ISOLATION VALVE/REMOTE CONTROL VALVE  
DETAIL NTS

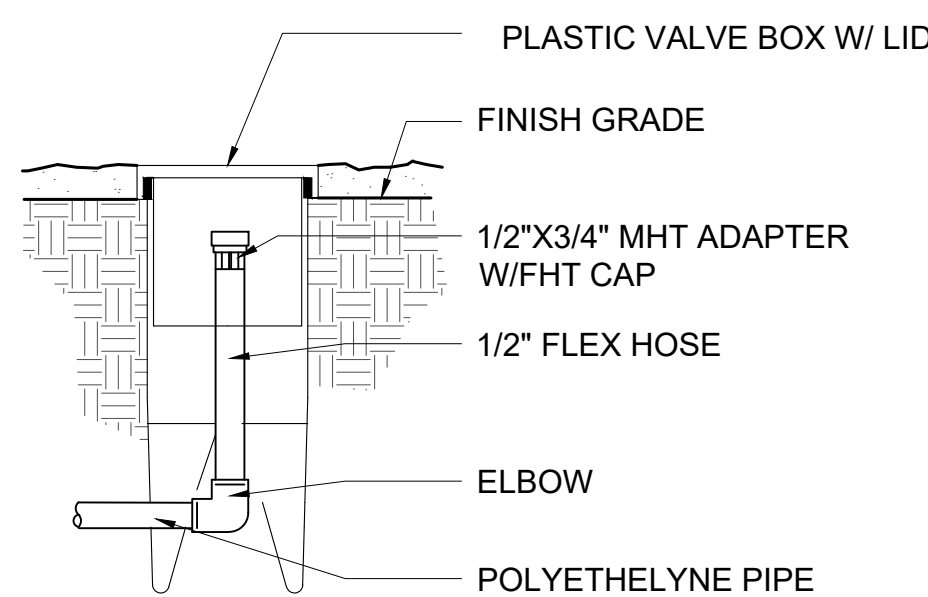
- NOTES:
1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODE. TAPE AND BUNDLE WIRE EVERY 20' PROVIDE EXPANSION COILS AT EA. WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2" PIPE 15 TIMES)
  2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
  3. ALL THREADED PVC JOINTS TO BE WRAPPED WITH TEFLON TAPE OR APPROVED EQUAL.
  4. SEAL BOTTOM AND ALL OPENINGS WITH GEOTEXTILE FABRIC.
  5. INSTALL GRAVEL AT BOTTOM OF BOX, 4" DEPTH



4 DRIP VALVE ASSEMBLY  
DETAIL NTS

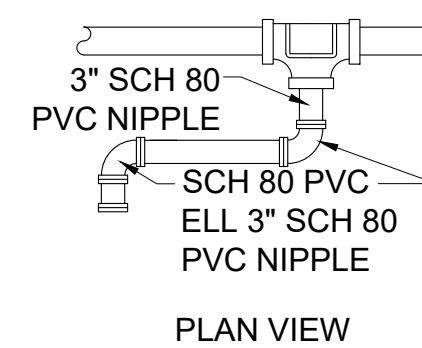
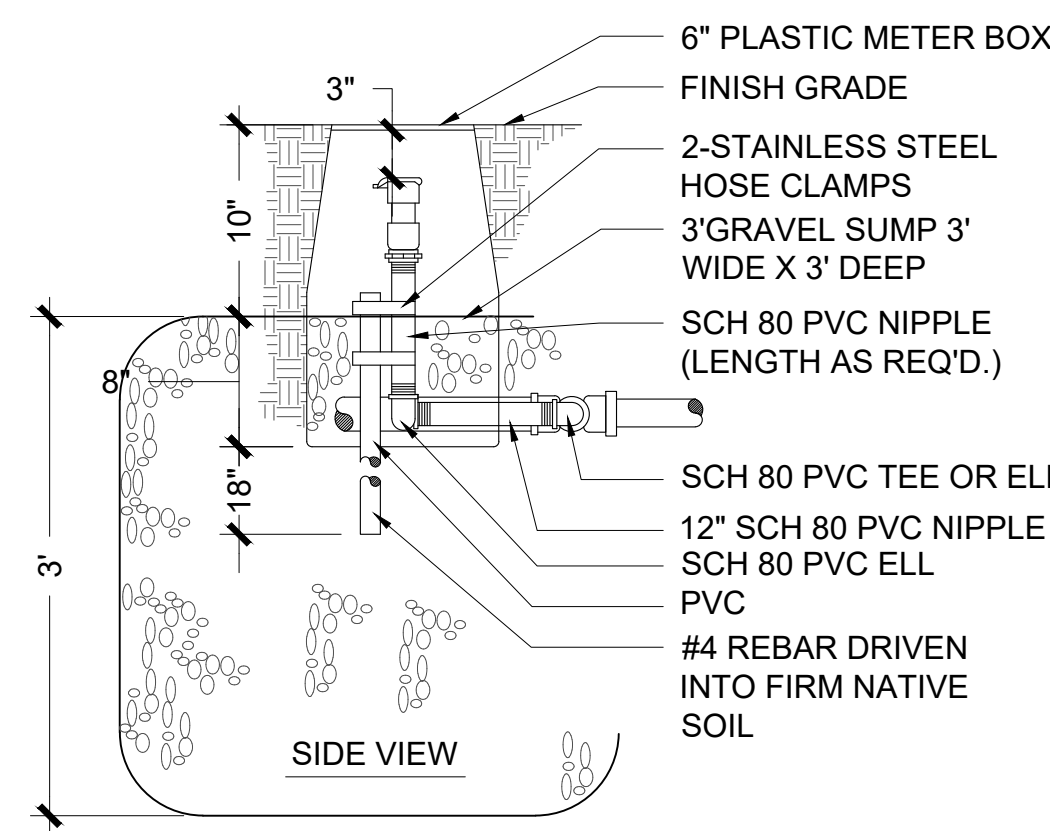


5 MULTI-PORT EMITTER  
DETAIL NTS



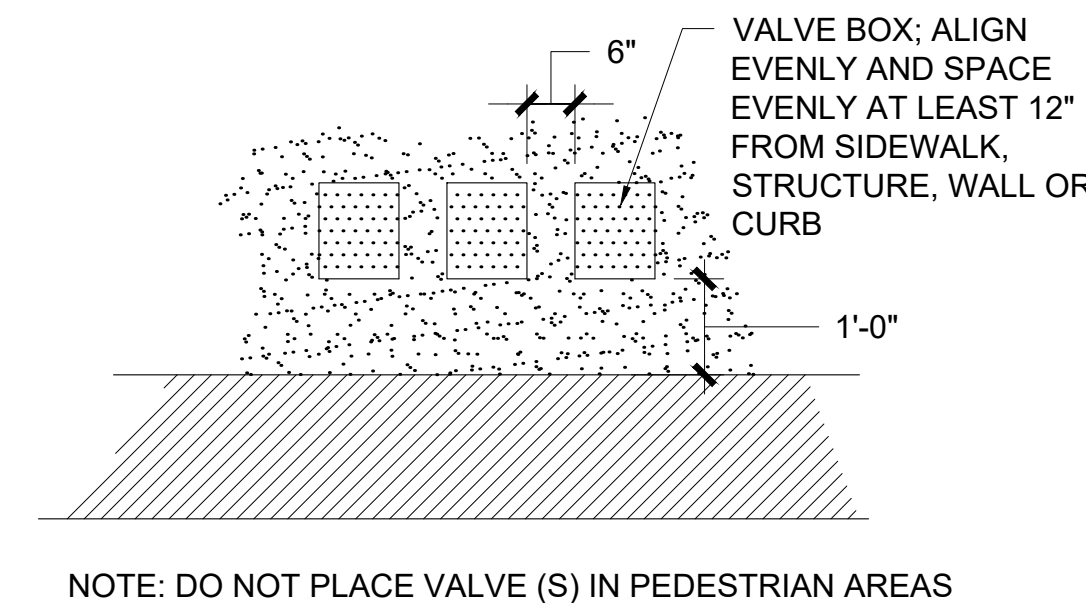
TO BE USED ON ENDS OF ALL LATERAL LINES.  
LOCATE WHERE SHOWN ON PLAN.

6 IRRIGATION END CAP  
DETAIL NTS



- NOTES:
1. ALL THREADED CONNECTIONS TO BE COATED WITH TEFLON TAPE.
  2. SOIL AROUND QUICK COUPLER VALVE ASSEMBLY TO BE COMPACTED TO SAME DENSITY AS UNDISTURBED SOIL.

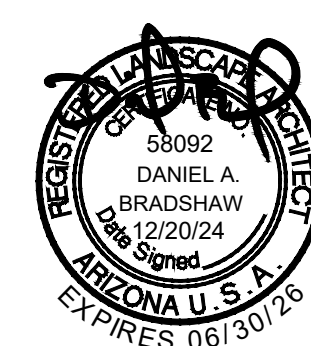
7 QUICK COUPLER  
DETAIL NTS



8 VALVE BOX PLACEMENT  
DETAIL NTS

#	REVISIONS/SUBMITTALS	DATE

## IRRIGATION DETAILS

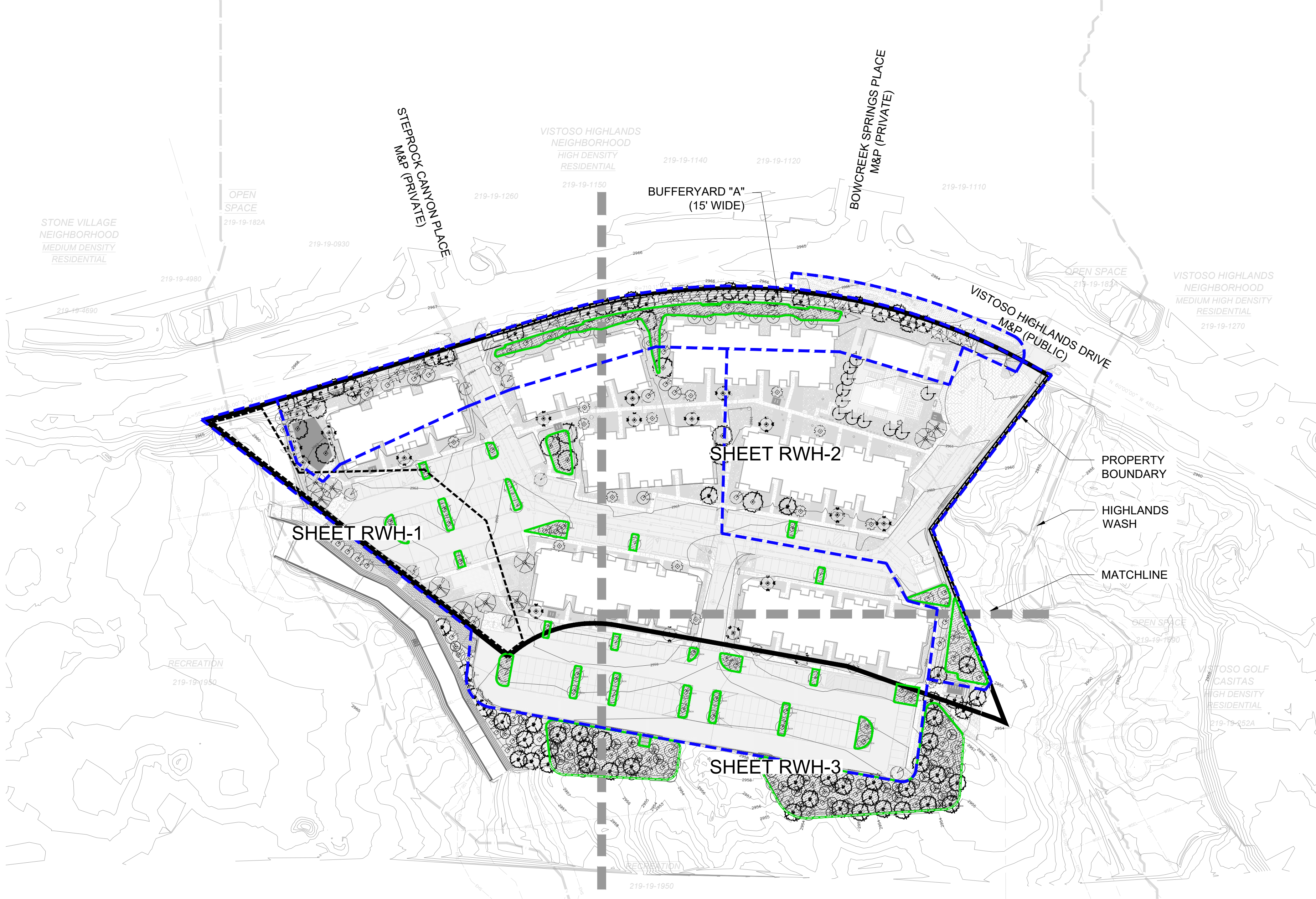




RAINWATER HARVESTING PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
CASE #2401047

GENERAL NOTES:

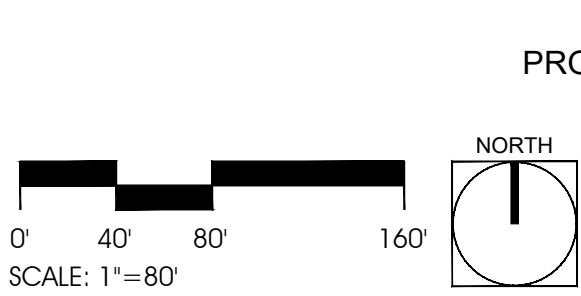
1. Total area of all new impervious surfaces including pavements, sidewalks, hardscape areas, and buildings: ~ 6.8 AC
2. Total volume of rainwater harvesting provided: 43,567 cu. ft. (325,923 gals)
3. Rainwater harvesting measures employed for this development consist of the following: a passive system of detention basins on the South & East edges of the development's Southern most parking; microbasins in parking islands and landscape areas between North buildings, and within the landscape bufferyard.
4. All rainwater harvesting measures shown on this plan shall be integrated into both the landscape installation as well as the site grading construction.



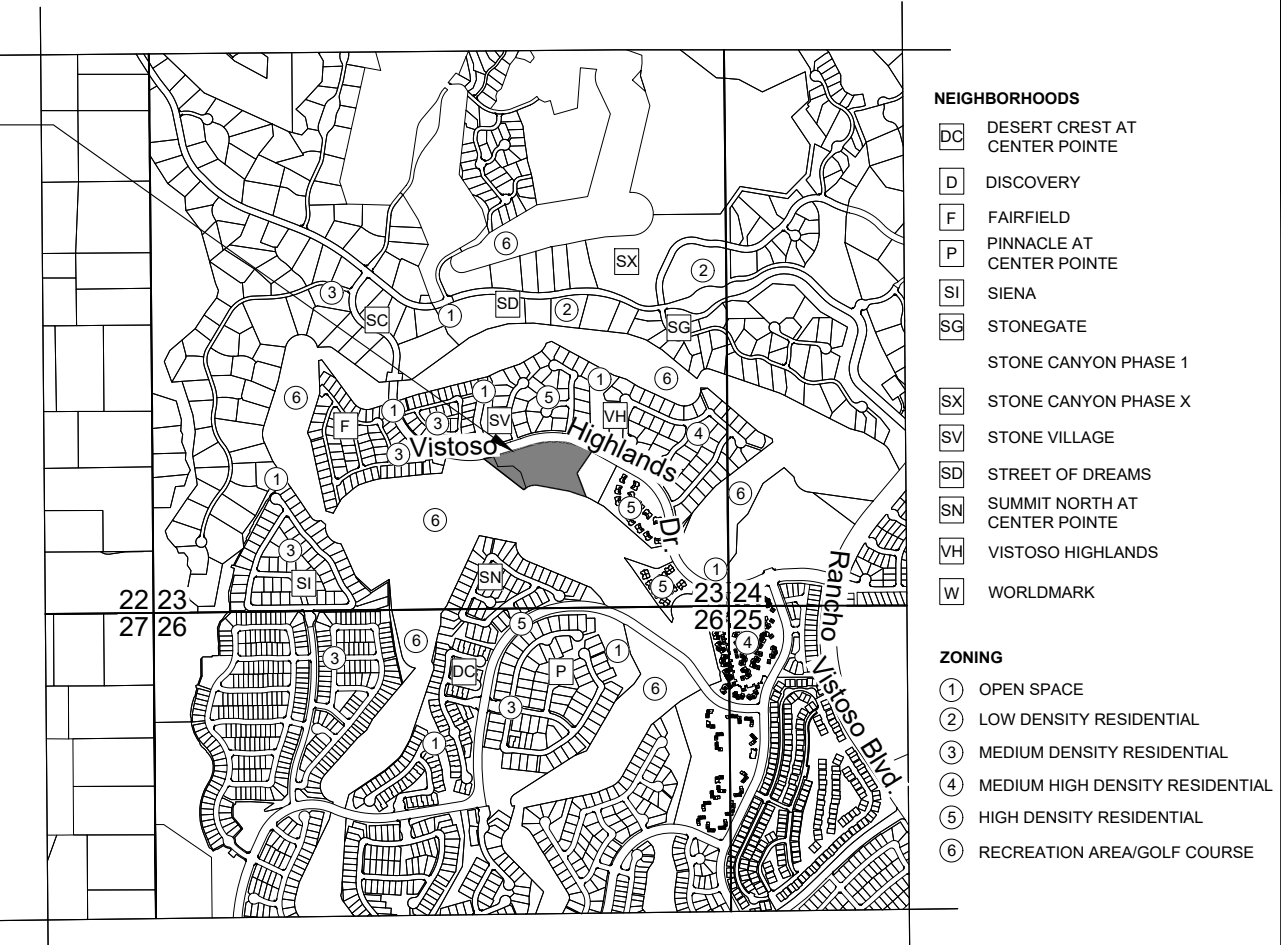
RAINWATER HARVEST LEGEND

- SHEET VIEW
- SUBWATERSHED
- WATER HARVESTING BASIN

- LEGEND
- Project Boundary
  - Wash
  - 100-year Floodplain
  - 100-year Water Surface Elevation
  - Top of Bank
  - Erosion Hazard Setback
  - Rezone Boundary
  - Limits of Grading
  - Parcels



THIS PROJECT



CTRL PTN W2 SE4 2.94 AC SEC 23-11-13;  
CTRL PTN SE4 6.07 AC SEC 23-11-13  
TOWN OF ORO VALLEY, ARIZONA

LOCATION MAP  
SCALE: 3" = 1 MILE

SHEET INDEX:

COVER	THIS SHEET
RAINWATER HARVESTING PLAN	RWH-1
RAINWATER HARVESTING PLAN	RWH-2
RAINWATER HARVESTING PLAN	RWH-3
RAINWATER HARVESTING NOTES	RWH-4

SUBMITTAL HISTORY:

1ST SUBMITTAL	03/29/24	TOWN OF ORO VALLEY
2ND SUBMITTAL	07/19/24	TOWN OF ORO VALLEY
3RD SUBMITTAL	12/20/24	TOWN OF ORO VALLEY

TOWN ENGINEER  
~~(FOR LANDSCAPE PROPOSED WITHIN PUBLIC ROW)~~

DATE

PLANNING & ZONING ADMINISTRATOR

DATE



PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

ENGINEER:  
RICK ENGINEERING CO.  
KEVIN HALL  
3945 E. FORT LOWELL RD., SUITE 111  
TUCSON, AZ 85712  
TEL: 52-795-1000  
khall@rickengineering.com

ARCHITECT:  
a23 STUDIOS  
BURAK BEKAT  
711 E 9TH ST.  
TUCSON, AZ 85719  
TEL: 520-245-4010  
burak@a23studios.com

OWNER/DEVELOPER:  
OV 132, LLC  
ROSS RULNEY  
P.O. BOX 43426  
TUCSON, AZ 85733  
520-465-8817  
rossrulney@gmail.com

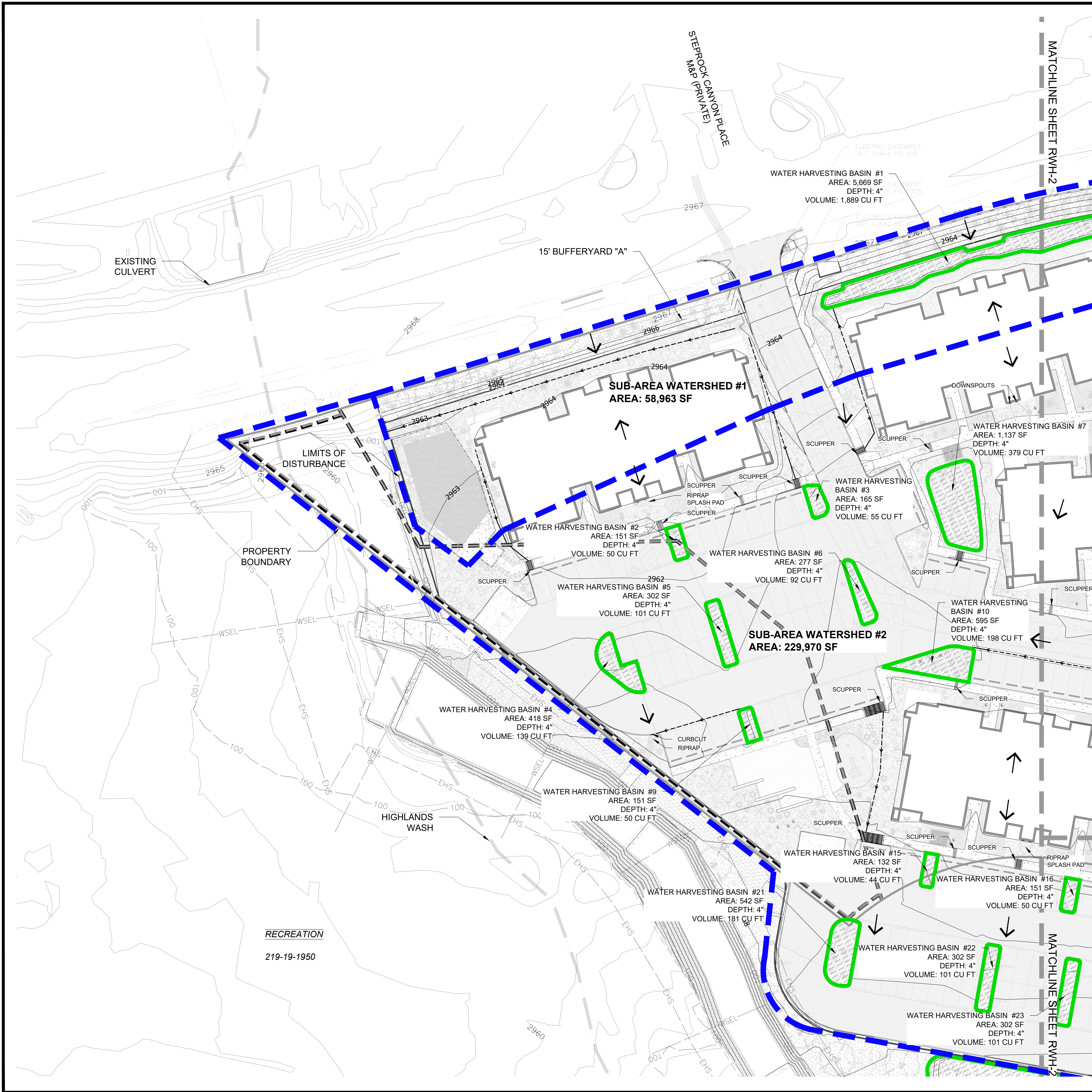


RAINWATER HARVESTING PLAN  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS  
A PORTION OF THE S.E. 1/4 OF SECTION  
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,  
G.&S.R.M., TOWN OF ORO VALLEY, PIMA  
COUNTY, ARIZONA

CASE NO:  
CASE #2401047  
REFERENCE:  
2203155,  
2301138,  
2301232  
RWH-0  
42 OF 45

GRADING PERMIT #2401047





PROJECT SITE PLANT SCHEDULE			
BOTANICAL NAME COMMON NAME		SIZE	QTY
TREES			
ACACIA CONstricta	WHITETHORN ACACIA	15 GAL TOS	20
ACACIA GREGGII	CATCLAW ACACIA	48" BOX 36" BOX 15 GAL TOS	1 3 1
CAESALPINIA MEXICANA	MEXICAN BIRD OF PARADISE	15 GAL.	11
CHILOPSIS LINEARIS	DESERT WILLOW	15 GAL.	17
LYSILOMA WATSONII	FEATHER TREE	15 GAL.	18
OLNEYA TESOTA	IRONWOOD TREE	15 GAL TOS	8
PARKINSONIA FLORIDUM	BLUE PALO VERDE	48" BOX 36" BOX 15 GAL TOS	1 1 1
PARKINSONIA MICROPHYLLA	FOOTHILLS PALO VERDE	48" BOX 36" BOX 15 GAL TOS	16 16 73
PROSOPIS VELUTINA	VELVET MESQUITE	48" BOX 36" BOX 15 GAL TOS	10 10 33
PROSOPIS GLANDULOSA	HONEY MESQUITE	15 GAL.	12
SHRUBS			
AMBROSIA DELTOIDEA	TRIANGLELEAF BURSAGE	5 GAL.	125
ANISACANTHUS THURBERI	DESERT HONEYBUCKLE	5 GAL.	27
ASCLEPIAS SUBULATA	DESERT MILKWEED	5 GAL.	185
GALLIANDRA ERIOPHYLLA	NATIVE FAIRY DUSTER	5 GAL.	33
CELTIS PALLIDA	DESERT HACKBERRY	5 GAL TOS	4
DODONEA VISCOSA	GREEN HOPSEED BUSH	5 GAL.	33
ENCELIA FARINOSA	BRITTBLEISS	5 GAL.	53
LAREA TRIDENTATA	CREOSOTE	5 GAL.	64
LEUCOPHYLLUM SPP	TEXAS RANGER	5 GAL.	39
PENSTEMON SUPERBUS	SUPERB PENSTEMON	5 GAL.	85
SPHAERALCEA AMBIGUA	DESERT GLOBE MALLOW	5 GAL.	10
ZIZIPHUS OBtusIFOLIA	GRAYTHORN	5 GAL.	3
ACCENTS & SUCCULENTS			
AGAVE COLORATA	MESCAL GENIZA	5 GAL.	66
AGAVE PARRYI VAR. HUACHUCENSIS		5 GAL.	44
AGAVE VICTORIAE-REGINAE	QUEEN VICTORIA AGAVE	5 GAL.	165
BAILEYA MULTIRADIATA	DESERT MARIGOLD	5 GAL.	229
CHENNEA GIGANTEA	SAGUARO	5 GAL TOS	13
DASYLIRON WHEELERI	DESERT SPOON	5 GAL.	47
ECHINOCACTUS GRUSONII	GOLDEN BARREL	5 GAL.	105
ECHINOCEERUS SPP	HEDGEHOG CACTUS	5 GAL.	74
EUPHORBIA ANTISYPHILITICA	CANDELILLA	5 GAL.	166
FEROCACTUS WISLZENII	FISHHOOK BARREL	5 GAL TOS	35
FOUQUIERIA SPLENDENS	OCOTILLO	5 GAL TOS	12
JUSTITIA CALIFORNICA	CHUPUROSA	5 GAL.	38
OPUNTIA ENGELMANNII LINGUIFORMIS	COW'S TONGUE PRICKLY PEAR	5 GAL.	5
OPUNTIA MACROCENTRA	BLACK SPINE PRICKLY PEAR	5 GAL.	32
OPUNTIA MICRODASYS 'YELLOW'	YELLOW BUNNY EARS PRICKLY PEAR	5 GAL.	37
OPUNTIA VIOLACEA 'SANTA RITA'	SANTA RITA PRICKLY PEAR	5 GAL.	44
PEDILANTHUS MACROCARPUS	SLIPPER FLOWER	5 GAL.	75
YUCCA ELATA	SOAPTREE YUCCA	TOS	1
YUCCA RIGIDA	BLUE TREE YUCCA	5 GAL.	43
GROUND COVER			
MELAMPodium LEUCANTHUM	BLACKFOOT DASY	5 GAL.	110 2 25 2,750 229
INERT GROUND COVER			
SMALL ROCK. SEE SHEET R-9 LS PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.			
RIGHT-OF-WAY SCREENED ROCK TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE. INSTALL IN HIGHLANDS THEME/ACCENT WALLS.			
DECORATIVE RIP RAP. MFR: ROCK PROS USA. SIZE 2" - 4". COLOR: APACHE GOLD. INSTALL AT SITE MONUMENT AND AMENITY ACCENT AREAS (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)			
DESERT COBBLE 25% MIX & HYDROSEED MIX. (SEE SHEET LS-4 FOR DETAILS.) MFR: ROCK PROS USA. SIZE & APPLICATION: 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE. (SEE DESERT COBBLE ROCK MIX FOR TYPE, SIZE, COLOR, & QUANTITY MIXTURE OF ROCK). INSTALL SOUTH OF SITE BELOW PARKING INCLUDING RAINWATER HARVESTING BASINS & PROJECT EAST SIDE. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)			
DESERT COBBLE ROCK MIX 100%. MFR: ROCK PROS USA. (40%) 2" SCREENED ROCK. COLOR: APACHE GOLD. + (25%) 1" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD + (20%) 2" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD. + (15%) 2" TO 4" RIP RAP. COLOR: APACHE GOLD. APPLY AT 100% COVERAGE IN COMMON AREAS & PARKING ISLANDS. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)			
BOULDERS: MFR: ROCK PROS USA. COLOR: APACHE GOLD. SMALL (2X3) 102 LARGE (3X4) 69			

### WATER HARVESTING NOTES:

- 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.
- Standing water for passive rainwater harvesting systems must infiltrate within twelve (12) hours of rainfall cessation.
- All passive rainwater harvesting catchment areas shall be vegetated.

### WATER HARVESTING CALCULATIONS:

System Type: Passive Rainwater Harvesting

Required Volume:  
Impervious Surface Area: 9.77 acres - 2.97 acres (129,209 sf) = 6.8 acres  
**Approximate Volume Required: 6.8 acres x 3,000 gallons/acre = 20,400 gallons**

Provided Volume:  
Water Harvesting Basins (4" depth): 5,561 cu. ft.  
Water Harvesting Basins (1.5 ft depth): 21,576 cu. ft.  
Water Harvesting Basins (2 ft depth): 16,430 cu. ft.  
Total Volume (cu. ft.): 43,567 cu. ft.

**Total Volume Provided: 43,567 cu. ft. \* 7.481 = 325,923 gallons**

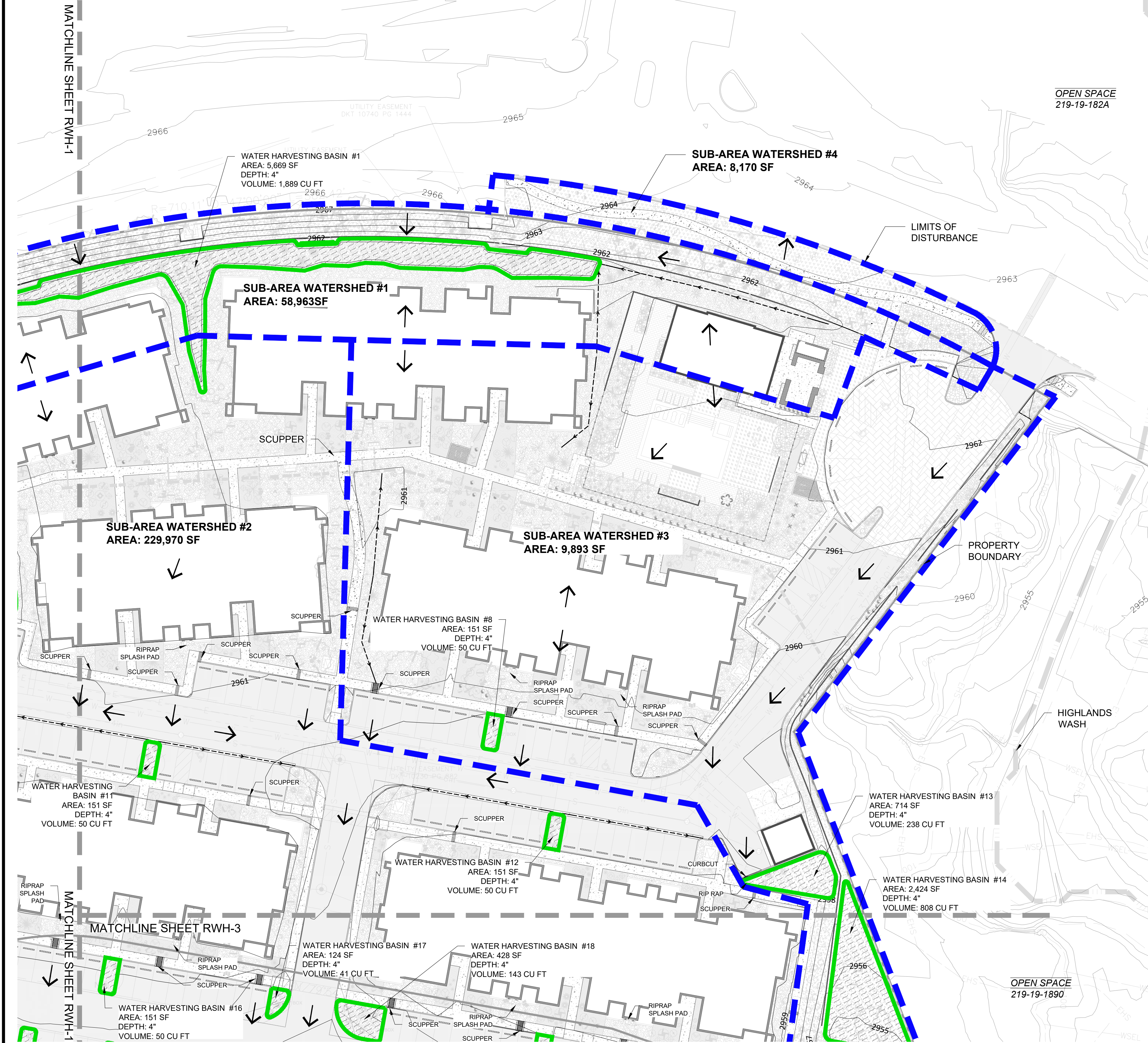
### LEGEND

- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezone Boundary
- Limits of Grading
- Parcels
- 2' Contour Interval

### RAINWATER HARVESTING LEGEND

- WATER HARVESTING BASIN
- SUBWATERSHED
- WATER FLOW DIRECTION
- LANDSCAPE LIMITS





PROJECT SITE PLANT SCHEDULE

BOTANICAL NAME COMMON NAME	SIZE	QTY
TREES		
ACACIA CONstricta WHITETHORN ACACIA	15 GAL. TOS	20 1
ACACIA GREGGII CATCLAW ACACIA	48" BOX 36" BOX 15 GAL. TOS	3 3 21 1
CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	15 GAL.	11
CHILOPSIS LINEARIS DESERT WILLOW	15 GAL.	17
LYSILOMA WATSONII FEATHER TREE	15 GAL.	18
OLNEYA TESOTA IRONWOOD TREE	15 GAL. TOS	8 2
PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL. TOS	1 1 18 1
PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	48" BOX 36" BOX 15 GAL. TOS	16 16 73 15
PROSOPIS VELUTINA VELVET MESQUITE	48" BOX 36" BOX 15 GAL. TOS	10 10 33 4
PROSOPIS GLANDULOSA HONEY MESQUITE	15 GAL.	12
SHRUBS		
AMBRROSIA DELTOIDEA TRIANGLELEAF BURSAGE	5 GAL.	125
ANISACANTHUS THURBERI DESERT HONEYSUCKLE	5 GAL.	27
ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL.	185
CALLIANDRA ERICOPHYLLA NATIVE FAIRY DUSTER	5 GAL.	33
CELTIS PALLIDA DESERT HACKBERRY	5 GAL. TOS	4 1
DODONEA VISCOSA GREEN HOPSEED BUSH	5 GAL.	33
ENCHELIA FARINOSA BRITTLEBUSH	5 GAL.	53
LAREA TRIDENTATA CREOSOTE	5 GAL.	64
LEUCOPHYLLUM SPP. TEXAS RANGER ANY CULTIVAR	5 GAL.	39
PENSTEMON SUPERBUS SUPERB PENSTEMON	5 GAL.	85
SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL.	10
ZIZIPHUS OBtusIFOLIA GRAYTORN	5 GAL.	3
ACCENTS & SUCCULENTS		
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AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL.	44
AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL.	165
BAILEYA MULTIRADIATA DESERT MARIGOLD	5 GAL.	229
CARNEA GIGANTEA SAGUARO	5 GAL. TOS	13 14
DASYLIRION WHEELERI DESERT SPOON	5 GAL.	47
ECHINOCACTUS GRISONII GOLDEN BARREL	5 GAL.	105
ECHINOEREUS SPP. HEDGEHOG CACTUS	5 GAL.	74
EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL.	166
FEROCACCTUS WISLZENII FISHHOOK BARREL	5 GAL. TOS	35 53
FOUQUIERIA SPLENDENS OCOTILLO	5 GAL. TOS	12 15
JUSTITIA CALIFORNICA CHURUPROSA	5 GAL.	38
OPUNTIA ENGELMANNII LINGUIFORMIS COW'S TONGUE PRICKLY PEAR	5 GAL.	5
OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.	32
OPUNTIA MICRODASYS "YELLOW" YELLOW BUNNY EARS PRICKLY PEAR	5 GAL.	37
OPUNTIA VIOLACEA "SANTA RITA" SANTA RITA PRICKLY PEAR	5 GAL.	44
PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL.	75
YUCCA ELATA SOAPTREE YUCCA	TOS	1
YUCCA RIGIDA BLUE TREE YUCCA	5 GAL.	43
GROUND COVER		
MELAMPODIUM LEUCANTHUM BLACKFOOT DAISY	5 GAL.	110 2 25 2,750 229

INERT GROUND COVER

- SMALL ROCK. SEE SHEET R-9 L5 PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.
- RIGHT-OF-WAY SCREENED ROCK TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAP. INSTALL SOUTH OF LANDSCAPE BUFFER/PAVING 15 FT WIDE STRIP ALONG OUTSIDE OF VISTOSO HIGHLANDS THEME/ACCENT WALLS.
- DECORATIVE RIP RAP. MFR: ROCK PROS USA. SIZE: 2"-4". COLOR: APACHE GOLD. INSTALL AT SITE MONUMENT AND AMENITY ACCENT AREAS (SEE SHEET R-9 L5 PLANS FOR INSTALL LOCATIONS).
- DESERT COBBLE 25% MIX & HYDROSEED MIX. (SEE SHEET L5-4 FOR DETAILS.) MFR: ROCK PROS USA. SIZE & APPLICATION: 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE. (SEE SHEET COBBLE ROCK MIX FOR TYPE, SIZE, COLOR & QUANTITY MIXTURE OF ROCK.) INSTALL SOUTH OF SITE BELOW PARKING INCLUDING RAINWATER HARVESTING BASINS & PROJECT EAST SIDE. (SEE SHEET R-9 L5 PLANS FOR INSTALL LOCATIONS.)
- DESERT COBBLE ROCK MIX 100%. MFR: ROCK PROS USA. 100% SCREENED ROCK. COLOR: APACHE GOLD. + (25%) 1" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD. + (20%) 2" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD. + (15%) 2" TO 4" RIP RAP. COLOR: APACHE GOLD.) APPLY AT 100% COVERAGE IN COMMON AREAS & PARKING ISLANDS. (SEE SHEET R-9 L5 PLANS FOR INSTALL LOCATIONS.)
- BOULDERS: MFR: ROCK PROS USA. COLOR: APACHE GOLD. SMALL (2X3) 102 LARGE (3X4) 69

RAINWATER HARVESTING LEGEND

- WATER HARVESTING BASIN
- SUBWATERSHED
- WATER FLOW DIRECTION
- LANDSCAPE LIMITS

WATER HARVESTING NOTES:

- 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.
- Standing water for passive rainwater harvesting systems must infiltrate within twelve (12) hours of rainfall cessation.
- All passive rainwater harvesting catchment areas shall be vegetated.

WATER HARVESTING CALCULATIONS:

System Type: Passive Rainwater Harvesting

Required Volume:  
Impervious Surface Area: 9.77 acres - 2.97 acres (129,209 sf) = 6.8 acres  
Approximate Volume Required: 6.8 acres x 3,000 gallons/acre = **20,400 gallons**

Provided Volume:  
Water Harvesting Basins (4" depth): 5,561 cu. ft.  
Water Harvesting Basins (1.5 ft depth): 21,576 cu. ft.  
Water Harvesting Basins (2 ft depth): 16,430 cu. ft.  
Total Volume (cu. ft.): 43,567 cu. ft.

Total Volume Provided: 43,567 cu. ft. \* 7.481 = **325,923 gallons**

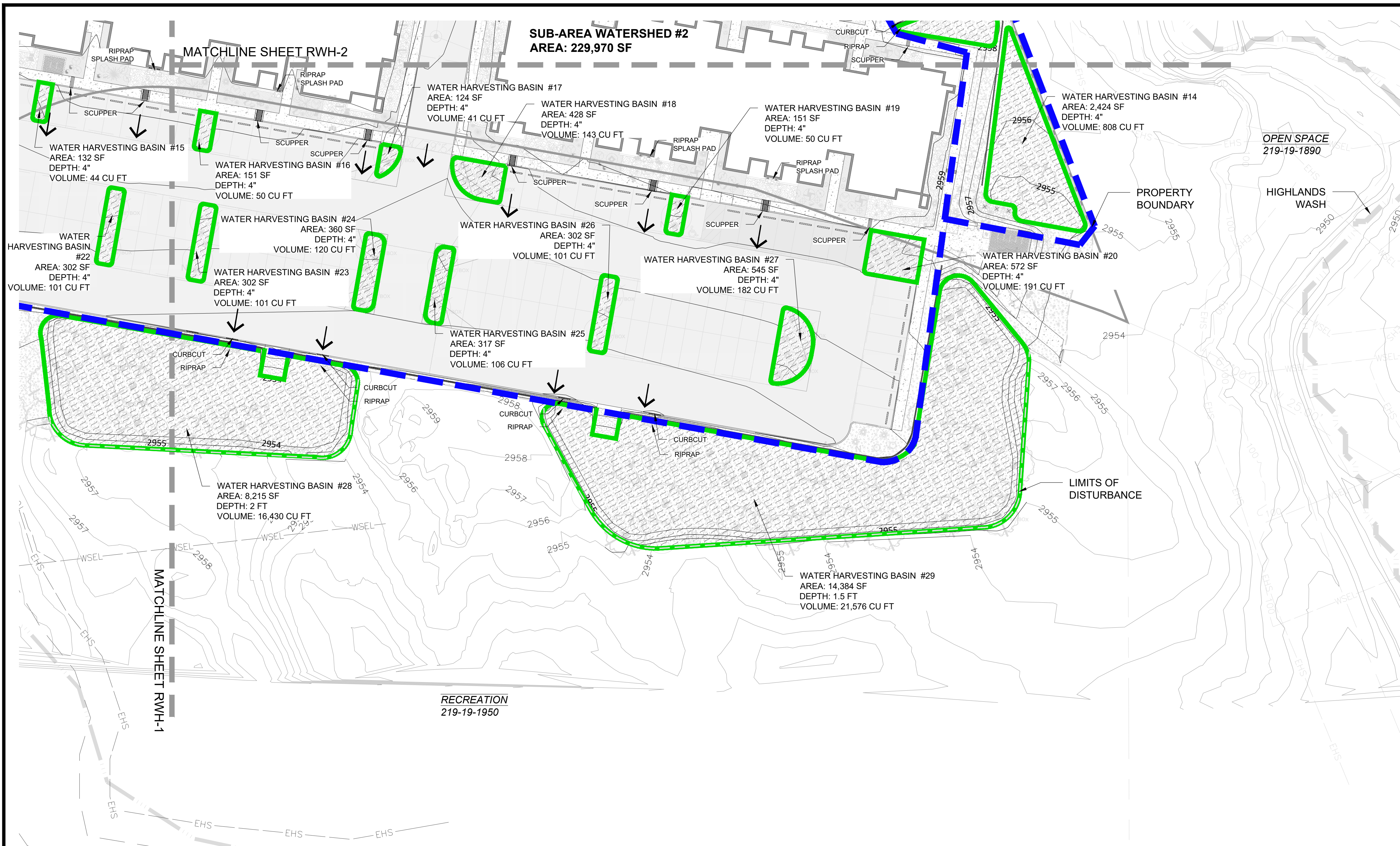
LEGEND

- Project Boundary
- Wash
- 100-year Floodplain
- 100-year Water Surface Elevation
- Top of Bank
- Erosion Hazard Setback
- Rezone Boundary
- Limits of Grading
- Parcels
- 2' Contour Interval

RAINWATER HARVESTING PLAN







**RAINWATER HARVESTING LEGEND**

- WATER HARVESTING BASIN
- SUBWATERSHED
- WATER FLOW DIRECTION
- LANDSCAPE LIMITS

**LEGEND**

- Project Boundary
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**Total Volume Provided: 43,567 cu. ft. \* 7.481 = 325,923 gallons**

PROJECT SITE PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE	QTY
<b>TREES</b>			
ACACIA CONSTRICTA	WHITETHORN ACACIA	15 GAL	20
ACACIA GREGGII	CATCLAW ACACIA	48" BOX	3
CAESALPINIA MEXICANA	MEXICAN BIRD OF PARADISE	15 GAL	11
CHILOPSIS LINEARIS	DESERT WILLOW	15 GAL	17
LYSILOMA WATSONII	FEATHER TREE	15 GAL	18
OLNEYA TESOTA	IRONWOOD TREE	15 GAL	8
PARKINSONIA FLORIDUM	BLUE PALO VERDE	48" BOX	1
PARKINSONIA MICROPHYLLA	FOOTHILLS PALO VERDE	48" BOX	16
PROSOPIS VELUTINA	VELVET MESQUITE	48" BOX	10
PROSOPIS GLANDULOSA	HONEY MESQUITE	15 GAL	12
<b>SHRUBS</b>			
AMBROSIA DELTOIDEA	TRIANGLELEAF BURSAGE	5 GAL	125
ANISACANTHUS THURBERI	DESERT HONEYSUCKLE	5 GAL	27
ASCLEPIAS SUBULATA	DESERT MILKWEED	5 GAL	185
CALLANDRA ERIOPHYLLA	NATIVE FAIRY DUSTER	5 GAL	33
CELTIS FALLIDA	DESERT HACKBERRY	5 GAL	4
DODONEA VISCOSA	GREEN HOPSEED BUSH	5 GAL	33
ENCELIA FARINOSA	BRITTLERUSH	5 GAL	53
LAREA TRIDENTATA	CREOSOTE	5 GAL	64
LEUCOPHYLLUM SPP.	TEXAS RANGER ANY CULTIVAR	5 GAL	39
PENSTEMON SUPERBUS	SUPERB PENSTEMON	5 GAL	85
SPHAERALCEA AMBIGUA	DESERT GLOBE MALLOW	5 GAL	10
ZIZIPHUS OBtusifolia	GRAYTHORN	5 GAL	3
<b>ACCENTS &amp; SUCCULENTS</b>			
AGAVE COLORATA	MESCAL CENIZA	5 GAL	66
AGAVE PARRYI VAR. HUACHUCENSIS	HUACHUCA AGAVE	5 GAL	44
AGAVE VICTORIAE-REGINAE	QUEEN VICTORIA AGAVE	5 GAL	165
BAILEYA MULTIRADIATA	DESERT MARIGOLD	5 GAL	229
CARNERIA GIGANTEA	SAGUARO	5 GAL	13
DASYLIRION WHEELERI	DESERT SPOON	5 GAL	47
ECHINOCACTUS GRUSONII	GOLDEN BARREL	5 GAL	105
ECHINOCACTUS SPP.	HEDGEHOG CACTUS	5 GAL	74
EUPHORBIA ANTISYPHILITICA	CANDELILLA	5 GAL	166
FEROCACTUS WISLIZENII	FISHHOOK BARREL	5 GAL	35
FOUQUIERIA SPLENDENS	OCOTILLO	5 GAL	12
JUSTITIA CALIFORNICA	CHUPUROSA	5 GAL	38
OPUNTIA ENGELMANNII LINGUIFORMIS	COW'S TONGUE PRICKLY PEAR	5 GAL	5
OPUNTIA MACROCENTRA	BLACK SPINE PRICKLY PEAR	5 GAL	32
OPUNTIA MICRODASYS 'YELLOW'	YELLOW BUNNY EARS PRICKLY PEAR	5 GAL	37
OPUNTIA VIOLACEA 'SANTA RITA'	SANTA RITA PRICKLY PEAR	5 GAL	44
PEDILANTHUS MACROCARPUS	SUPPER FLOWER	5 GAL	75
YUCCA ELATA	SOAP TREE YUCCA	TOS	1
YUCCA RIGIDA	BLUE TREE YUCCA	5 GAL	43
<b>GROUND COVER</b>			
MELAMPODIUM LEUCANTHUM	BLACKFOOT DAISY	5 GAL	110
<b>INERT GROUND COVER</b>			
SMALL ROCK	SEE SHEET R-9 LS PLANS FOR SIZE, COLOR, & INSTALL LOCATIONS.		
RIGHT-OF-WAY SCREENED ROCK	TO FIELD VERIFY TO MATCH TYPE, SIZE, & COLOR OF EXISTING SCREENED ROCK IN RIGHT-OF-WAY. INSTALL AT DEPTH OF 2" MINIMUM THICKNESS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAP. INSTALL IN LANDSCAPE THEME/ACCENT WALLS.		
DECORATIVE RIP RAP	MFR. ROCK PROS USA. SIZE: 2"-4". COLOR: APACHE GOLD. INSTALL AT SITE MONUMENT AND AMENITY ACCENT AREAS (SEE SHEET R-8 LS PLANS FOR INSTALL LOCATIONS.)		
DESERT COBBLE 25% MIX & HYDROSEED MIX	(SEE SHEET LS-4 FOR DETAILS.) MFR. ROCK PROS USA. SIZE & APPLICATION: 25% SURFACE COVERAGE OF DESERT COBBLE MIX WITH 100% HYDROSEED SURFACE COVERAGE. (SEE SHEET COBBLE ROCK MIX FOR TYPE, SIZE, COLOR, & QUANTITY MIXTURE OF ROCK.) INSTALL SOUTH OF SITE BELOW PARKING INCLUDING RAINWATER HARVESTING BASINS & PROJECT EAST SIDE. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)		
DESERT COBBLE ROCK MIX 100%	MFR. ROCK PROS USA. (100%) 4" SCREENED ROCK. COLOR: APACHE GOLD. 1" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD. 1" (25%) 2" SCREENED ROCK COLOR: SILVERBELL APACHE GOLD. 1" (15%) 2" 4" RIP RAP. COLOR: APACHE GOLD. APPLY AT 100% COVERAGE IN COMMON AREAS & PARKING ISLANDS. (SEE SHEET R-9 LS PLANS FOR INSTALL LOCATIONS.)		
BOULDERS	MFR. ROCK PROS USA. COLOR: APACHE GOLD.	SMALL (2X3)	102
		LARGE (3X4)	69

**KEY MAP**

SCALE: 1"=30'

NORTH

**2401047**

**THE PLANNING CENTER**  
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PROJECT: CCD-15  
DATE: 12/20/24  
DRAWN BY: KDP  
CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

**RAINWATER HARVESTING PLAN**

**RAINWATER HARVESTING PLAN**  
GATEWAY AT VISTOSO PRESERVE  
CONSTRUCTION DRAWINGS

A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

CASE NO: 2401047  
REFERENCE: 2203155, 2301138, 2301232  
RW-3  
45 OF 45

ALL PROJECTS (CCD-15, AUTO-CAD) WORKING DRAWINGS (CCD-15, DWG) 12/19/2024, 11:34 AM, KENDRA POTTER  
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS SHALL REMAIN WITH THE LANDSCAPE ARCHITECT WITHOUT PREJUDICE. VISUAL CONTACT WITH THE PLANS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS. THE DRAWINGS OR CONCEPTS SHALL NOT BE USED IN PART OR IN WHOLE FOR CONSTRUCTION WITHOUT THE PLANNING CENTER'S PERMISSION.

**GRADING PERMIT #2401047**