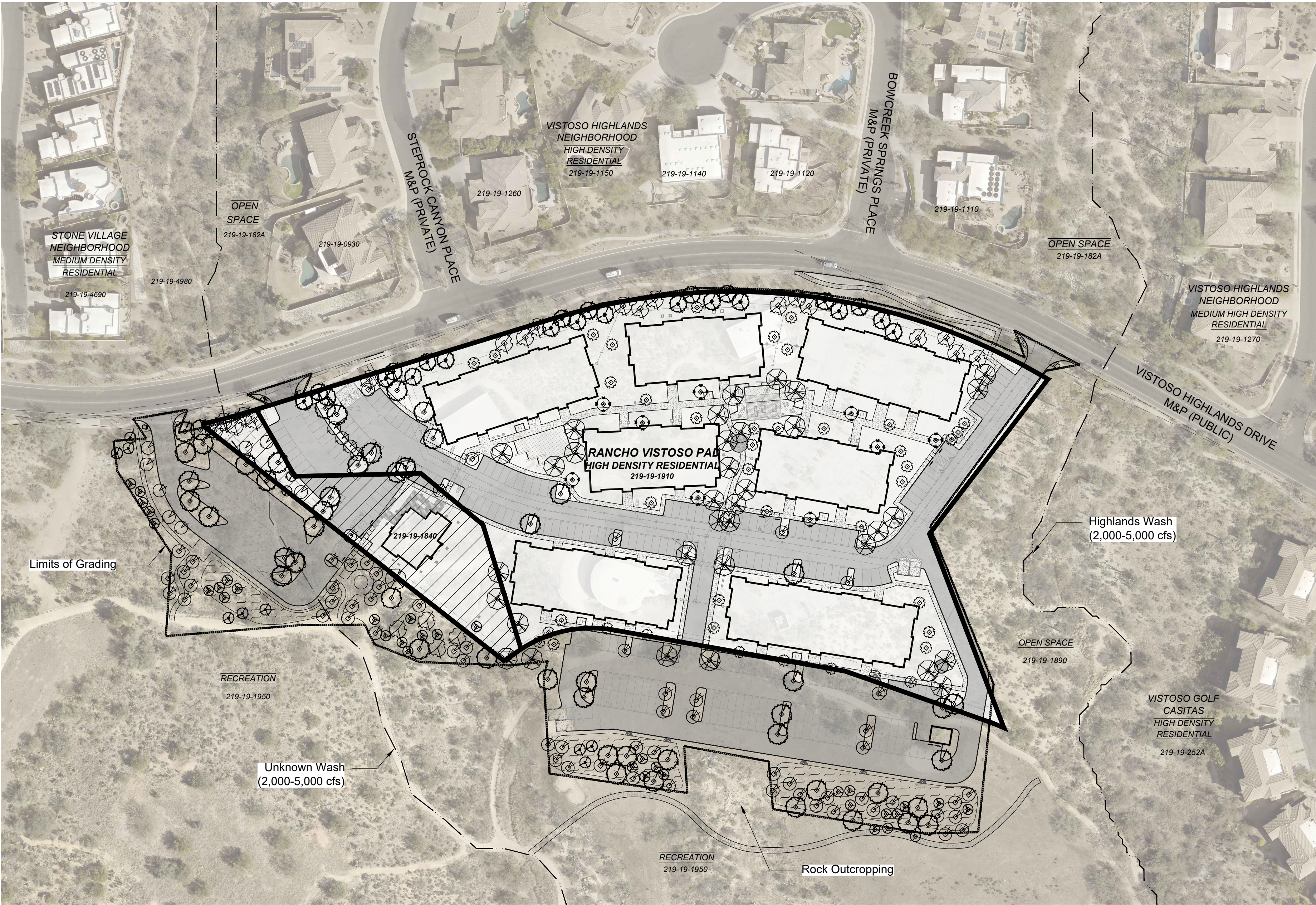


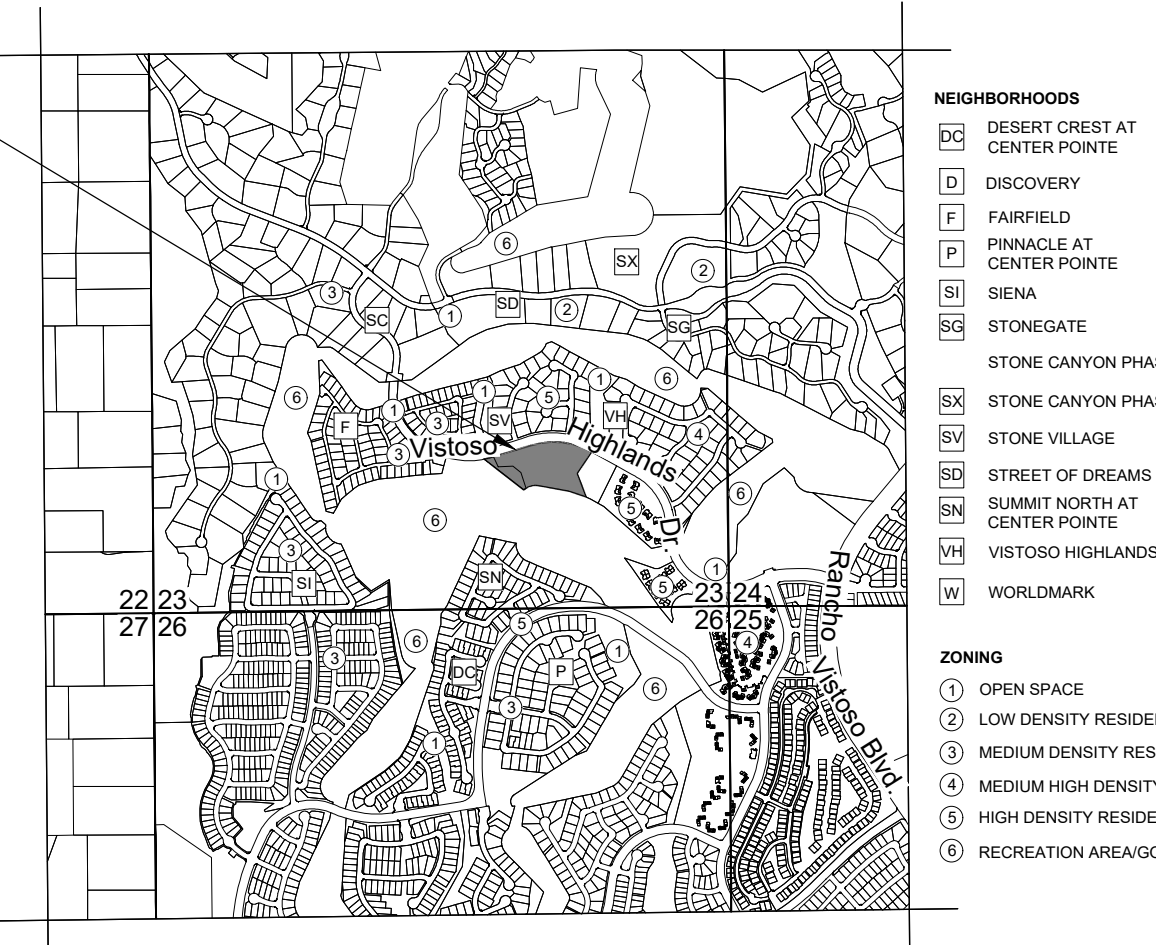
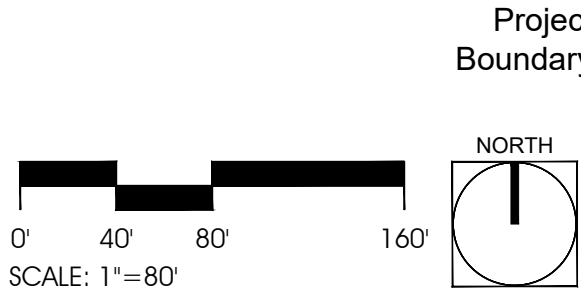
- GENERAL NOTES:
- A. Gross area of development in acres: 10.7 AC (including 3.9 AC offsite work)
- B. Total acres of graded area: 10.7 AC
- C. Total acres of undisturbed area: 0
- D. Total amount of open space required and provided (as defined in Chapter 31 Definitions) Open Space Required: 30% of the gross area of the site
Open Space Provided: 37.7% (including landscape common areas; excluding trailhead use area) Total amount of Landscaped Common Areas: 99,952 SF.
- E. Landscape Bufferyard "A" Residential Street Frontage along Vistoso Highlands Dr. (Minimum 15 ft.) Landscaped buffer yards appropriately labeled per OVZCR Table 27.7.
- F. The existing zoning for A.P.N. 219-19-1910 is Rancho Vistoso PAD 5 '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 5 'Open Space.' The proposed zoning for A.P.N. 219-19-1840 is RV PAD 5 'Recreation.' (See Sheet 2 civil notes for 'Rezoning Conditions.'
- G. Classification of each perimeter street abutting the property and type and width of street buffer yards provided.
- H. Landscape to conform to Oro Valley Landscape Code.
- I. Mitigation of surveyed plants in the Native Plant Preservation Plan will be incorporated in the landscape design.
- J. 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.
- K. 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.
- L. Property owners, lessees, and occupants shall maintain required landscape, irrigation, buffering, screening, and rainwater harvesting system improvements per the approved plans.
- M. 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.
- N. 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.
- O. 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.
- P. 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.
- Q. 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.
- R. Property owner is responsible for maintaining the temporary irrigation system as long as necessary in order to transition plants over to natural sources. Irrigation shall be reduced three years after issuance of the first certificate of occupancy. 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.
- S. 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.
- T. Landscape materials shall not obstruct sight distances or vehicle turning movements.
- U. Landscaped areas that are susceptible to damage by pedestrian or auto traffic shall be protected by appropriate curbs, tree guards, or other devices.
- V. Landscape shall be designed to minimize sediment, sand, and gravel being carried into the streets from storm water or other runoff.
- W. Landscape plan enables adequate plant spacing to ensure survivability at plant maturity.
- X. 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.
- Y. Curb-way consisting of inorganic groundcover or plants not to exceed type 2 water use shall be provided between curb and all sidewalks.
- Z. All landscaped areas to be finished with a natural topping material to a depth of at least two (2) inches.
- AA. There are no overlay zones applicable to the property.
- BB. 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)
- CC. The proposed development will have trails:
- i. All trail easements indicated are for use by the general public as permanent, non-motorized trail easements or for private use by residents 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. 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.
- vi. Specify ownership and maintenance responsibility of all trails. Public trail easements must be dedicated to the Town as part of the final plat.



LEGEND

- Project Boundary
- Wash

LANDSCAPE & NATIVE PLANT PACKAGE
RULNEY VISTOSO RESIDENTIAL
CASE #



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

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SUBMITTAL HISTORY:

1ST SUBMITTAL 06/02/23 TOWN OF ORO VALLEY

PLANNING & ZONING ADMINISTRATOR DATE



PROJECT: CCD-15
DATE: 06/02/23
DRAWN BY: CJL/KDP
CHECKED BY: DB

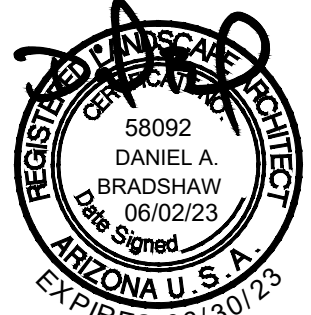
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(OUTSIDE MARICOPA COUNTY)

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khall@rickengineering.com

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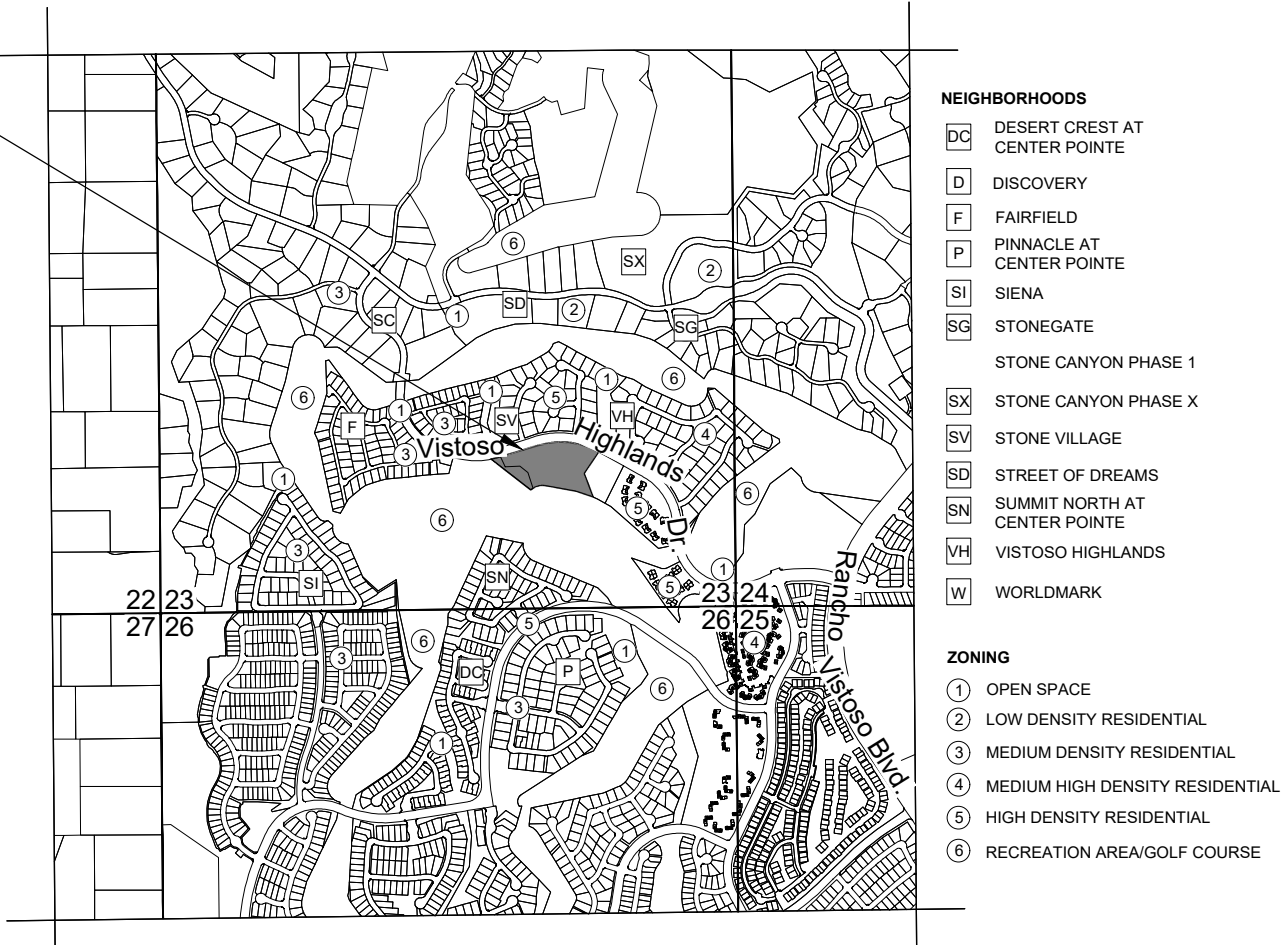
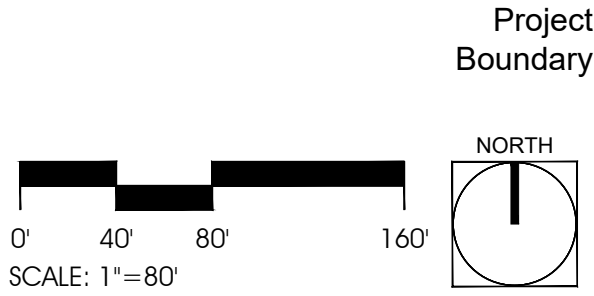


LANDSCAPE & NATIVE PLANT PACKAGE
RULNEY VISTOSO RESIDENTIAL
A PORTION OF THE S.E. 1/4 OF SECTION 23, TOWNSHIP 11 SOUTH, RANGE 13 EAST, G.&S.R.M., TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

CASE NO: CASE #
REFERENCE: REF #
COVER 1 OF 28

ALL PROJECTS (CCD-15) AUTOCAD WORKING DRAWINGS (CCD-15) (LINK EC2 DWG) 06/02/2023, 8:38 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 JUST COMPENSATION AND PERMISSION FROM THE PLANNING CENTER.

SITE RESOURCE INVENTORY
RULNEY VISTOSO RESIDENTIAL
CASE #

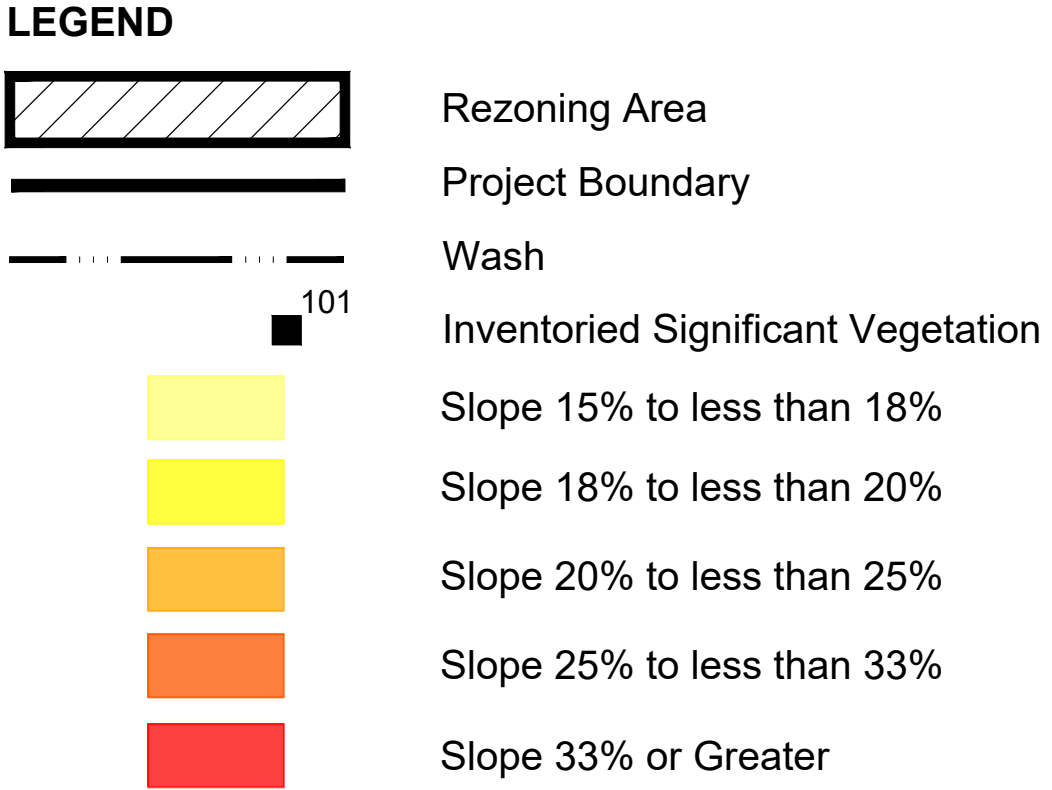


LOCATION MAP
SCALE: 3" = 1 MILE

GENERAL NOTES:

- A. Gross area of development in acres: 10.7 AC (including 3.9 AC offsite work)
- B. Total acres of graded area: 10.7 AC
- C. Total acres of undisturbed area: none
- D. List the tag colors representing plants scheduled to be:
- WHITE: Preserved in Place
 - BLUE: Transplanted on-site
 - YELLOW: Removed from site
- E. 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.
- F. 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.
- G. Salvage of operations shall not commence until the Zoning inspector has performed an inspection and given approval to be salvaged.
- H. A temporary nursery will not be used. Plants will be transplanted to their permanent locations.
- I. Mitigation of Significant Vegetation shall be in accordance with Table 27-1 Mitigation of Significant Vegetation.
- J. 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.
- K. 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.
- L. Significant Vegetation Information:
- i. Total amount present on-site (square feet): 3,518 SF
 - ii. Total amount being disturbed (square feet): 3,518 SF
 - iii. Total percentage disturbed 100%
- N. Significant Vegetation Mitigation Table

Number Removed	Botanical Name	Common Name	Mitigation Ratio	Replacement Plants	Qty	Understory Required
3	ACACIA GREGGII	CATCLAW ACACIA	2:1	48" Box	3	15
				36" Box	3	
2	CERCIDIUM FLORIDUM	BLUE PALO VERDE	2:1	48" Box	2	10
				36" Box	2	
12	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	2:1	48" Box	12	60
				36" Box	12	
6	PROSOPIS VELUTINA	VELVET MESQUITE	2:1	48" Box	6	30
				36" Box	6	
		Total			46	115



PLANNING & ZONING ADMINISTRATOR DATE

#	REVISIONS/SUBMITTALS	DATE

ENGINEER:
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SITE RESOURCE INVENTORY
RULNEY VISTOSO
RESIDENTIAL
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 #
REFERENCE:
REF #
SR-0
3 OF 28

SRI NOTES:

1.

The extents of this SRI include APNs: 219-19-1910; APN 219-19-1840; and APN 219-19-1950 (including trailhead area.)
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 (Carnegie 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.
7.

Disposition of vegetation is subject to change based on final improvement plans and engineering.

SIGNIFICANT VEGETATION INVENTORY

ID #	BOTANICAL NAME	COMMON NAME	HEIGHT(FT)	CALIPER(IN)	TAG	TREATMENT	REASONS	
509	PROSOPIS VELUTINA	VELVET MESQUITE	12	18	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
510	PROSOPIS VELUTINA	VELVET MESQUITE	15	22	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
516	CERCIDIUM FLORIDUM	BLUE PALO VERDE	15	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
522	PROSOPIS VELUTINA	VELVET MESQUITE	12	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
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)

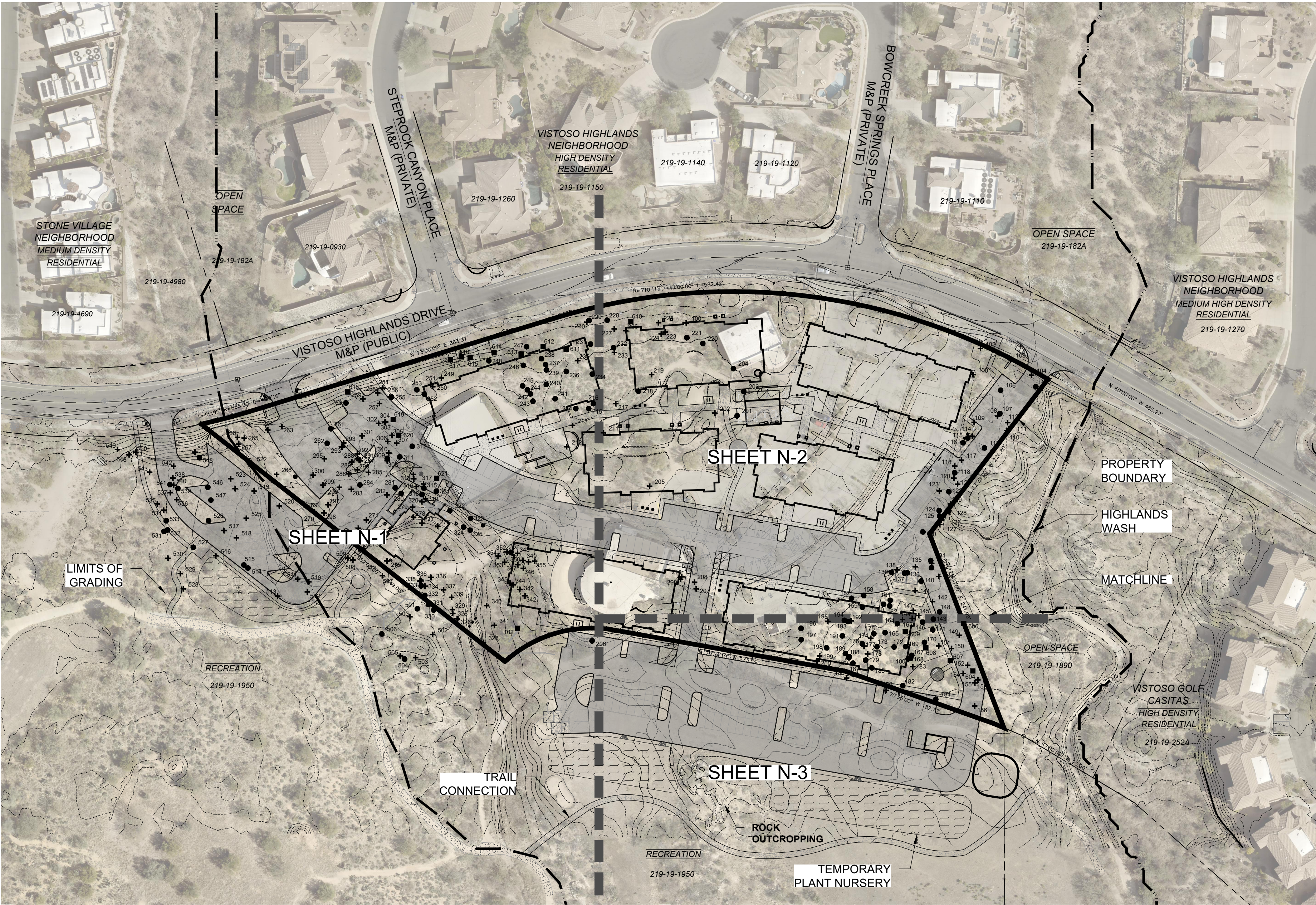
#	REVISIONS/SUBMITTALS	DATE

SITE RESOURCE INVENTORY

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



NATIVE PLANT PRESERVATION PLAN
RULNEY VISTOSO RESIDENTIAL
CASE #



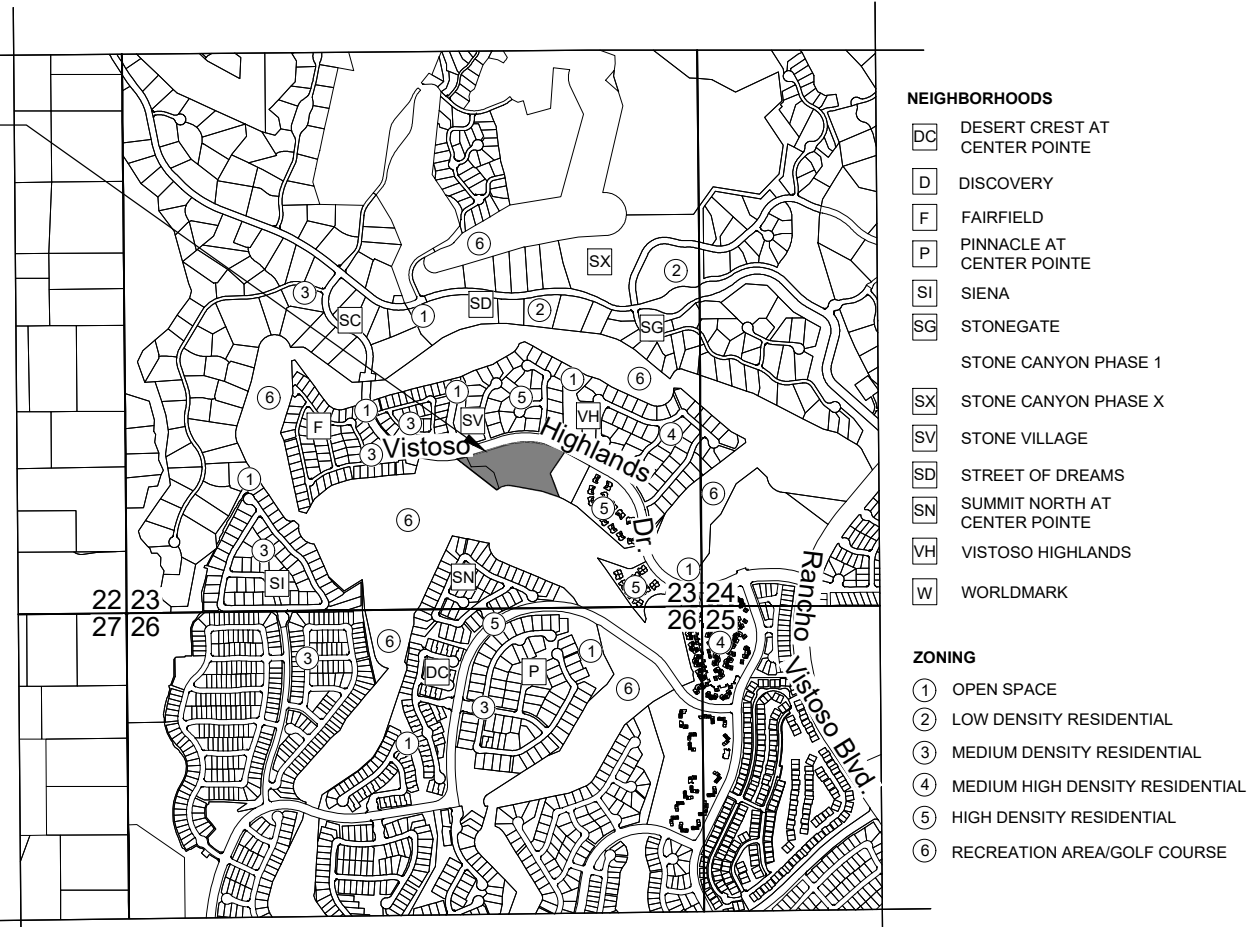
GENERAL NOTES:

- A. Gross area of development in acres: 10.7 AC (including 3.9 AC offsite work)
- B. Total acres of graded area: 10.7 AC
- C. Total acres of undisturbed area: none
- D. List the tag colors representing plants scheduled to be:
- White Tag: Preserved in Place
 - Blue Tag: Transplanted on-site
 - Yellow: Removed from site
- E. 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.
- F. 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.
- G. Salvage of operations shall not commence until the Zoning inspector has performed an inspection and given approval to be salvaged.
- H. Temporary nursery shall be in conformance with Section 7.6.B.4.j.
- I. Mitigation of Significant Vegetation shall be in accordance with Table 27-1 Mitigation of Significant Vegetation.
- J. 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.
- K. 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.
- L. Significant Vegetation Information:
- i. Total amount present on-site (square feet): 3,518 SF
 - ii. Total amount being disturbed (square feet): 3,518 SF
 - iii. Total percentage disturbed 100%
- N. Native Plant Summary Table

Botanical Name	Common Name	Transplant	Remove from Site	Preserve in Place	Total per Plant
ACACIA CONTRICTA	WHITETHORN ACACIA	1	11	0	12
ACACIA GREGGII	CATCLAW ACACIA	2	26	0	28
CARNEGIEA GIGANTEA	SAGUARO	14	1	0	15
CELTIS PALLIDA	DESERT HACKBERRY	1	5	0	6
CERCIDIUM FLORIDUM	BLUE PALO VERDE	2	3	0	5
CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE	12	66	0	78
FEROCACTUS WISLIZENII	FISHHOOK BARREL	65	32	0	97
FOUQUERIA SPLENDENS	OCOTILLO	18	2	0	20
OLNEYA TESOTA	IRONWOOD	2	7	0	9
PROSOPIS VELUTINA	VELVET MESQUITE	2	30	0	32
YUCCA ELATA	SOAPTREE YUCCA	1	0	0	1
ZIZIPHUS OBTUSIFOLIA	GRAYTHORN	0	3	0	3
Total		120	186	0	306

LEGEND

- Project Boundary
- Wash
- Plant Preserved in Place
- Transplant on Site
- Remove from Site
- 2' Contour Interval



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

LOCATION MAP
SCALE: 3" = 1 MILE

SHEET INDEX:

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

SUBMITTAL HISTORY:

1ST SUBMITTAL 06/02/23 TOWN OF ORO VALLEY

PLANNING & ZONING ADMINISTRATOR DATE



PROJECT: CCD-15
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CHECKED BY: DB

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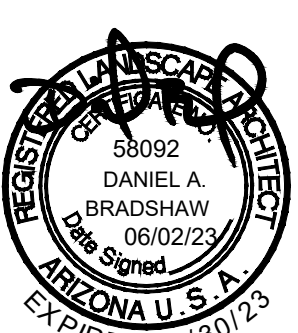
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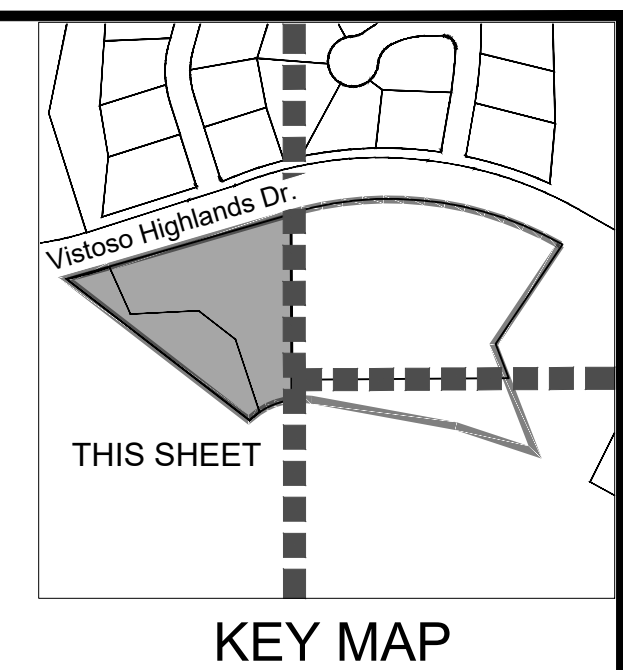
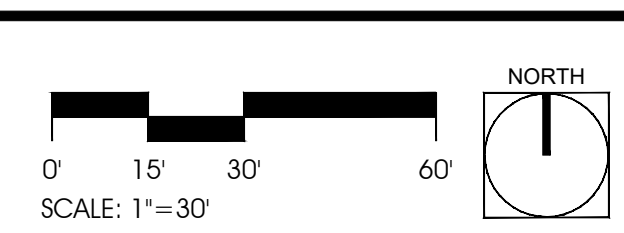
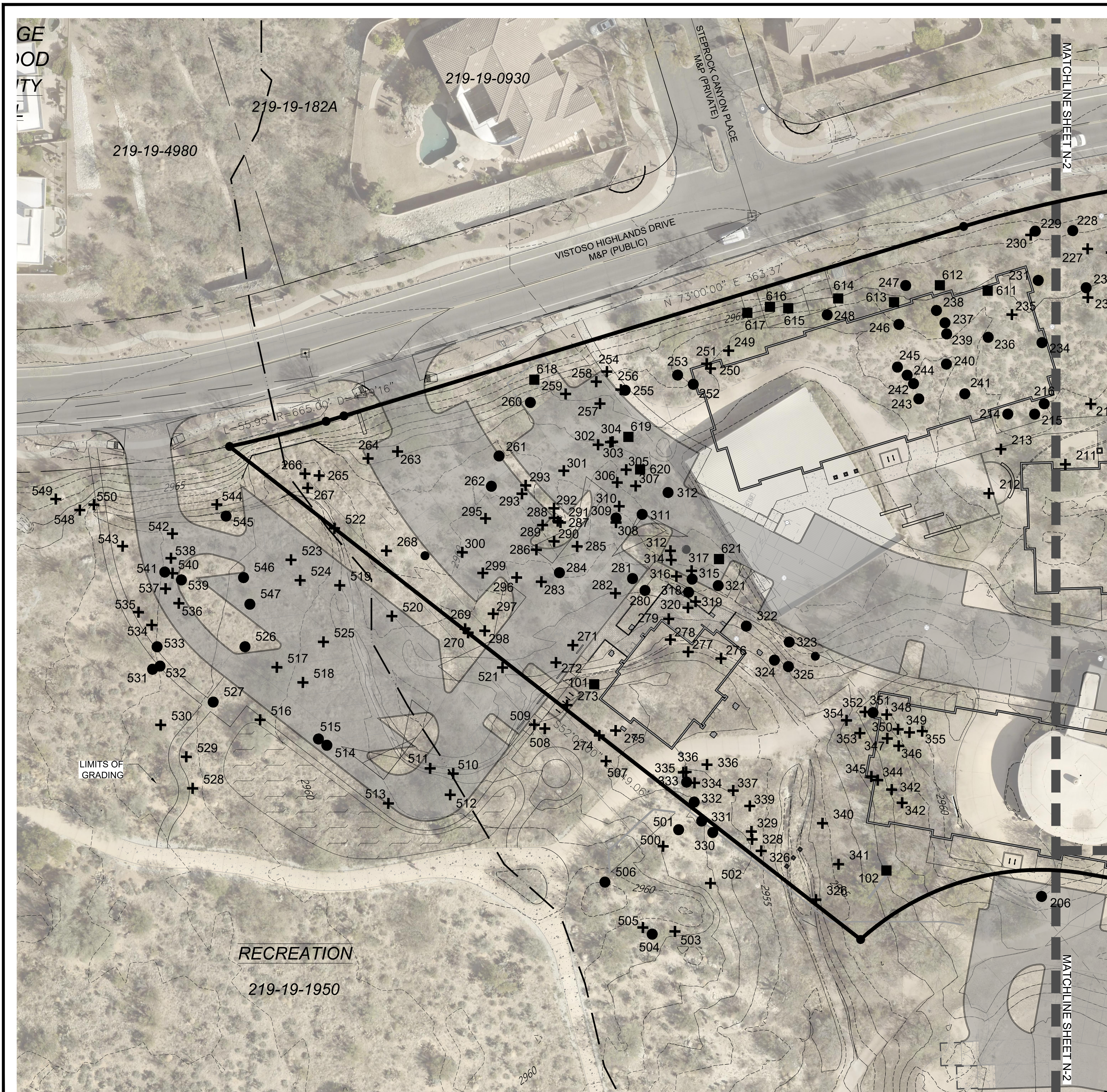
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NATIVE PLANT PRESERVATION
PLAN
RULNEY VISTOSO RESIDENTIAL
A PORTION OF THE S.E. 1/4 OF SECTION
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,
G.&S.R.M., TOWN OF ORO VALLEY, PIMA
COUNTY, ARIZONA

CASE NO:
CASE #
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REF #
N-0
5 OF 28



- LEGEND**
- Project Boundary
 - Wash
 - Plant Preserved in Place
 - Transplant on Site
 - Remove from Site
 - 2' Contour Interval



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NATIVE PLANT PRESERVATION PLAN

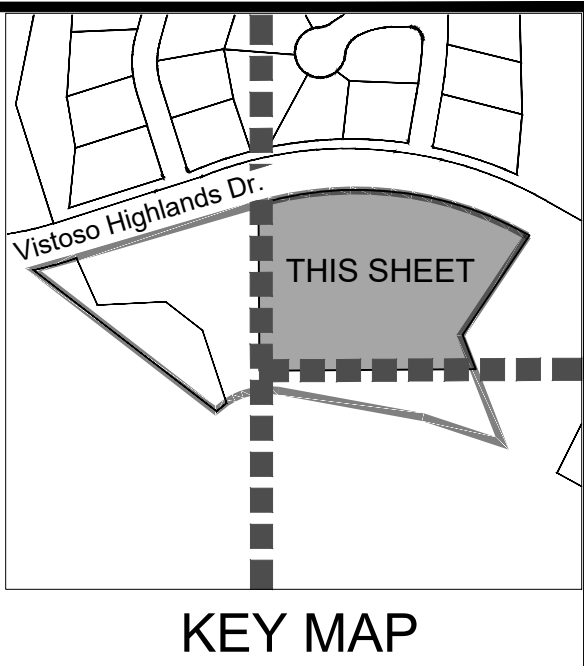
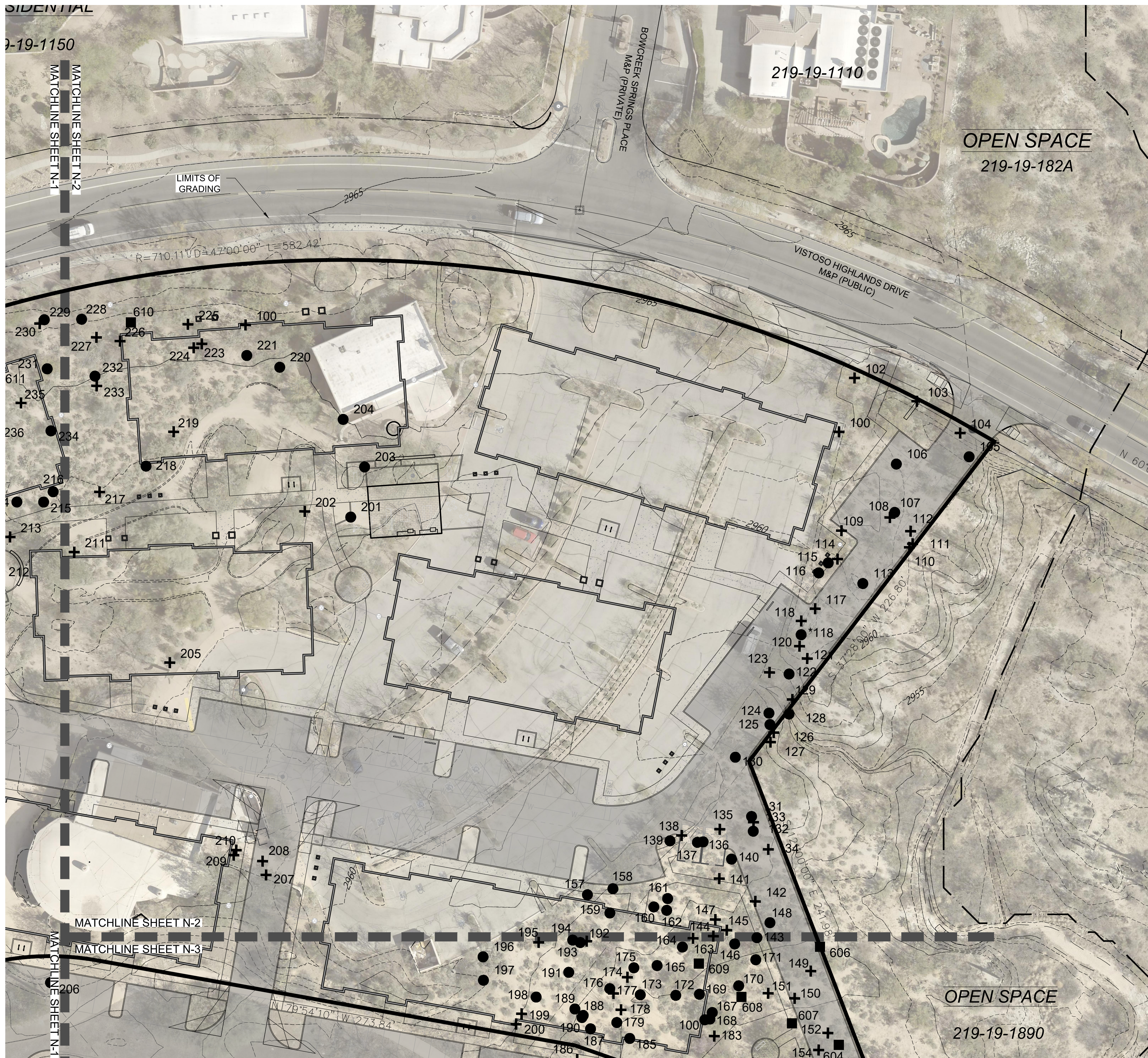
FOR AGENCY REVIEW AND APPROVAL ONLY. NOT FOR CONSTRUCTION. NOT FOR BIDDING



NATIVE PLANT PRESERVATION PLAN
RULNEY VISTOSO RESIDENTIAL

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 #
REFERENCE: REF #
N-1
6 OF 28



- LEGEND**
- Project Boundary
 - Wash
 - Plant Preserved in Place
 - Transplant on Site
 - Remove from Site
 - 2' Contour Interval



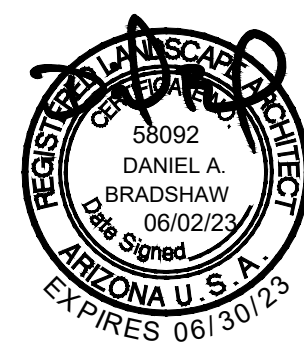
PROJECT: CCD-15
DATE: 06/02/23
DRAWN BY: CJL/KDP
CHECKED BY: DB

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

#	REVISIONS/SUBMITTALS	DATE

NATIVE PLANT PRESERVATION PLAN

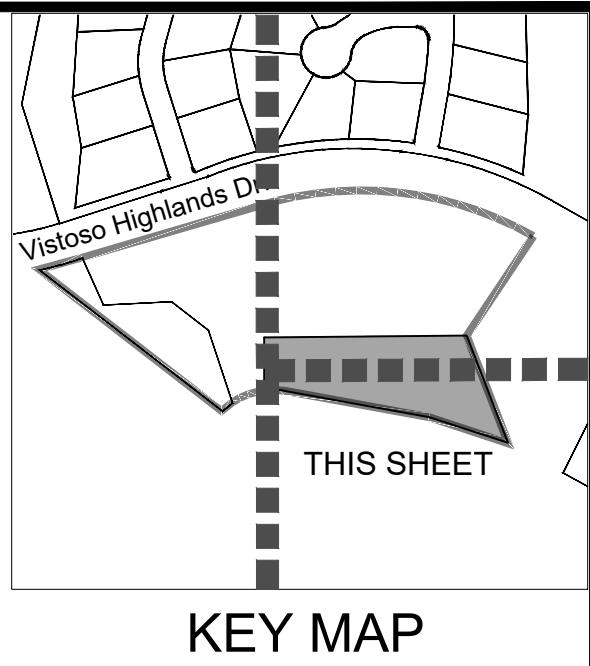
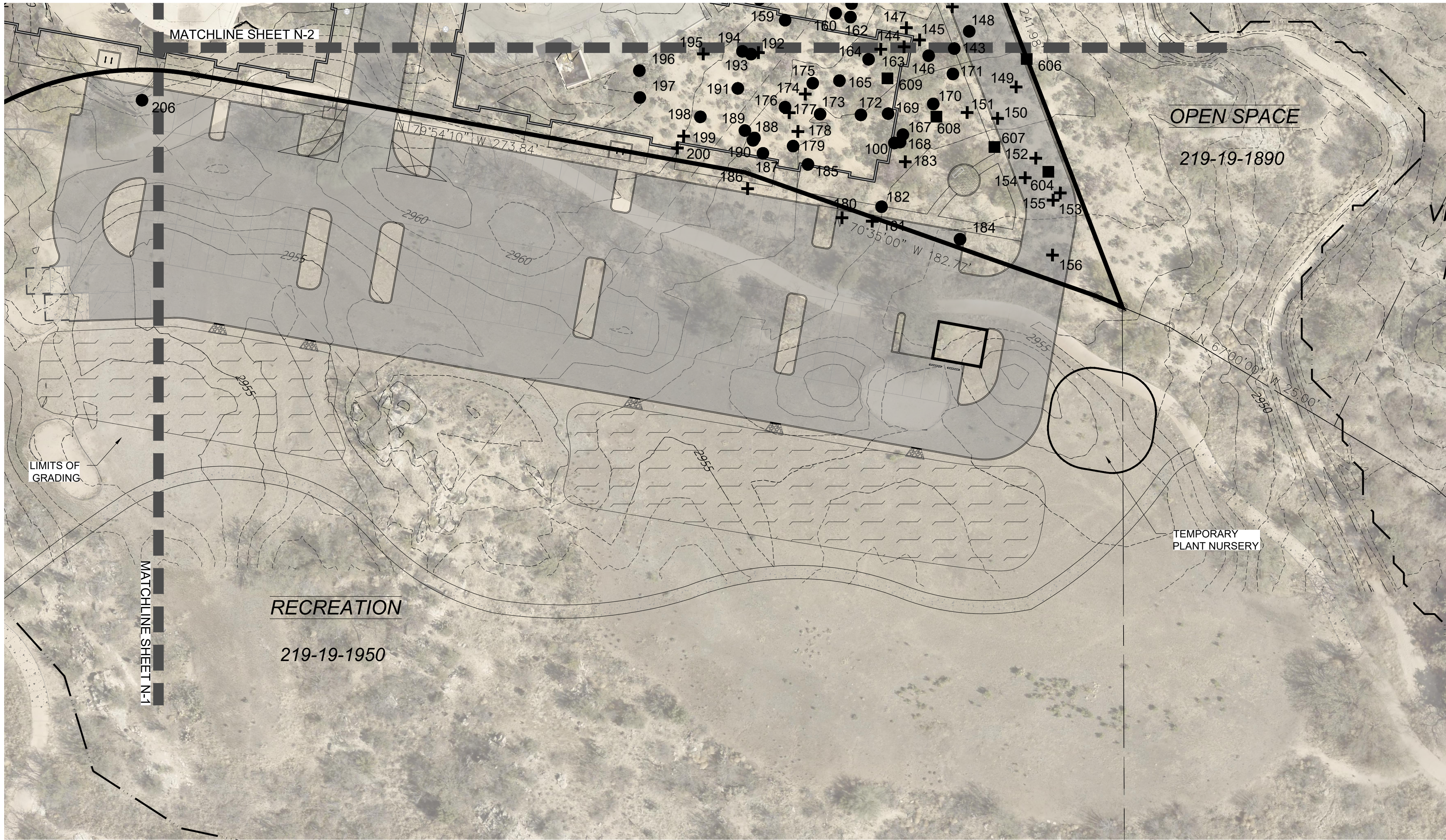
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NATIVE PLANT PRESERVATION PLAN
RULNEY VISTOSO RESIDENTIAL

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 #
REFERENCE: REF #
N-2
7 OF 28



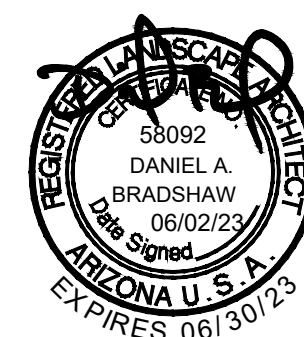
LEGEND

- Project Boundary
- Wash
- Plant Preserved in Place
- Transplant on Site
- Remove from Site
- 2' Contour Interval

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NATIVE PLANT PRESERVATION PLAN

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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 SALVAGEABLE PLANT SPECIES THAT ARE DAMAGED THROUGH CONSTRUCTION OR TRANSPLANTING OPERATION WILL BE REPLACED WITH CONTAINERIZED NURSERY STOCK MATERIALS OF THE SAME SIZE, GENUS AND SPECIES AT A RATIO OF 1:1 EXISTING SPECIMEN TO NURSERY STOCK PER CHAPTER 18.72. ALL NURSERY STOCK MATERIALS WILL BE PLACED ON A TEMPORARY IRRIGATION SYSTEM UNTIL ESTABLISHED (APPROXIMATELY 5 YEARS). ALL SALVAGED MATERIAL WILL REQUIRE PERMANENT IRRIGATION.

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.

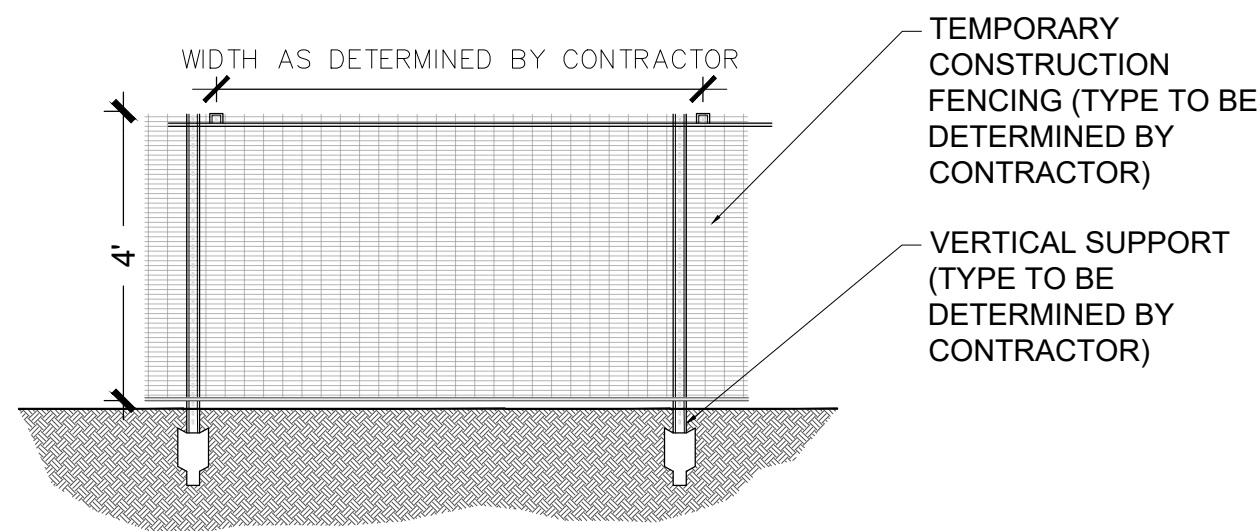
SIGNIFICANT VEGETATION INVENTORY

ID #	BOTANICAL NAME	COMMON NAME	HEIGHT(FT)	CALIPER(IN)	TAG	TREATMENT	REASONS	
509	PROSOPIS VELUTINA	VELVET MESQUITE	12	18	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
510	PROSOPIS VELUTINA	VELVET MESQUITE	15	22	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
516	CERCIDIUM FLORIDUM	BLUE PALO VERDE	15	12	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
522	PROSOPIS VELUTINA	VELVET MESQUITE	12	14	YELLOW	RFS	NOT SALVAGEABLE	LG SIZE/POOR SOIL CONDITIONS
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)



- NOTES:
1. TEMPORARY CONSTRUCTION FENCING TO BE PLACED AT LIMITS OF GRADING TO PROTECT EXISTING VEGETATION.

1 TEMPORARY CONSTRUCTION FENCE
DETAIL

SCALE: NTS

#	REVISIONS/SUBMITTALS	DATE

NATIVE PLANT PRESERVATION NOTES

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



NATIVE PLANT INVENTORY

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
100	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	LOW BRANCHING	
102	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	INTERFERENCE	
103	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		13	11	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
104	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		14	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	SOILS ROCKY	in rocks
105	CARNEGIEA GIGANTEA	SAGUARO		11	0	SINGLE	MEDIUM	LOW	BLUE	TOS	0	YELLOWING	SOILS ROCKY	in rocks tag in tree
106	CARNEGIEA GIGANTEA	SAGUARO		2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	
107	CARNEGIEA GIGANTEA	SAGUARO		2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	INTERFERENCE	
108	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	in rocks
109	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
110	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
111	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DIEBACK	.	
112	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	.	
113	CARNEGIEA GIGANTEA	SAGUARO		3	0	SINGLE	HIGH	LOW	BLUE	TOS	0	SOILS ROCKY	.	
114	ACACIA CONSTRICTA	WHITETHORN ACACIA		9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
115	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
116	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
117	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DIEBACK	SOILS ROCKY	
*118	CARNEGIEA GIGANTEA	SAGUARO		12	0	SINGLE	HIGH	LOW	BLUE	TOS	0	SOILS ROCKY	.	
118	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	SOILS ROCKY	
120	ACACIA GREGGII	CATCLAW ACACIA		5	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	SOILS ROCKY	
121	ACACIA GREGGII	CATCLAW ACACIA		4	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	WIDE BASE	
122	ACACIA CONSTRICTA	WHITETHORN ACACIA		14	6	MULTI	MEDIUM	LOW	BLUE	TOS	0	LARGE SIZE	DEAD LIMB	
123	ACACIA CONSTRICTA	WHITETHORN ACACIA		13	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	DIEBACK	
124	CARNEGIEA GIGANTEA	SAGUARO		9	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
125	CARNEGIEA GIGANTEA	SAGUARO		3	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
126	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	8	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	BROKEN LIMB	
127	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		0	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	in rocks
128	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
129	ACACIA CONSTRICTA	WHITETHORN ACACIA		10	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	.	in rocks
130	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
131	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	5	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	SOILS SANDY	.	
132	YUCCA ELATA	SOAPTREE YUCCA		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
133	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	.	
134	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	8	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	REGROWTH	
135	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
136	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
137	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
138	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
139	FOUQUIERIA SPLENDENS	OCOTILLO		14	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	20 +- canes
140	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
141	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	8	MULTI	HIGH	LOW	YELLOW	RFS	0	POOR FORM	WIDE BASE	
142	ACACIA CONSTRICTA	WHITETHORN ACACIA		6	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DAMAGED	
143	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	5	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	.	
144	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		13	15	MULTI	LOW	LOW	YELLOW	RFS	0	YELLOWING	DIEBACK	
145	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	.	
146	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		14	8	MULTI	MEDIUM	LOW	BLUE	TOS	0	DIEBACK	WIDE BASE	
147	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
148	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0	.	.	
149	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	YELLOWING	IN DECLINE	
150	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	BAD BASE	
151	ACACIA GREGGII	CATCLAW ACACIA		6	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	LOW BRANCHING	
152	ACACIA GREGGII	CATCLAW ACACIA		6	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	LOW BRANCHING	
153	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	BAD BASE	YELLOWING	
154	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
155	ACACIA GREGGII	CATCLAW ACACIA		4	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	.	
156	FOUQUIERIA SPLENDENS	OCOTILLO		7	0	SINGLE	LOW	LOW	YELLOW	RFS	0	.	.	10 canes in rat nest
157	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
158	FOUQUIERIA SPLENDENS	OCOTILLO		10	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15 +- canes
159	FOUQUIERIA SPLENDENS	OCOTILLO		10	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +-canes
160	FOUQUIERIA SPLENDENS	OCOTILLO		12	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15+- canes
161	FEROCACTUS WISLIZENII	FISHHOOK BARREL		0	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
162	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
163	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	MEDIUM	YELLOW	RFS	0	YELLOWING	.	
164	FOUQUIERIA SPLENDENS	OCOTILLO		7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	7 +- canes
165	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
100	FOUQUIERIA SPLENDENS	OCOTILLO		13	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	25+- canes
167	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
168	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
169	FOUQUIERIA SPLENDENS	OCOTILLO		11	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	20 +- canes
170	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
171	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
172	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
173	FOUQUIERIA SPLENDENS	OCOTILLO		6	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
174	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	BAD BASE	YELLOWING	
175	FOUQUIERIA SPLENDENS	OCOTILLO		7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	15+- canes
176	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
177	FOUQUIERIA SPLENDENS	OCOTILLO		17	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	LARGE SIZE	

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
178	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	5	MULTI	LOW	LOW	YELLOW	RFS	0	DAMAGED	BAD BASE	
179	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
180	PROSOPIS VELUTINA	VELVET MESQUITE		14	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0	MISTLETOE	DAMAGED	
181	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
182	FOUQUIERIA SPLENDENS	OCOTILLO		11	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	INTERFERENCE	.	
183	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	6	MULTI	HIGH	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
184	FOUQUIERIA SPLENDENS	OCOTILLO		7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +- canes
185	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
186	FEROCACTUS WISLIZENII	FISHHOOK BARREL		0	0	SINGLE	LOW	LOW	YELLOW	RFS	0	DAMAGED	BAD BASE	
187	FOUQUIERIA SPLENDENS	OCOTILLO		13	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
188	FOUQUIERIA SPLENDENS	OCOTILLO		12	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10+- canes
189	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	4	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
190	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
191	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
192	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	
193	FOUQUIERIA SPLENDENS	OCOTILLO		11	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	20 +- canes
194	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
195	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	YELLOWING	double
196	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	triple
197	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
198	FOUQUIERIA SPLENDENS	OCOTILLO		5	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	10 +- canes
199	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	8	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	YELLOWING	
200	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	.	
201	OLNEYA TESOTA	IRONWOOD		13	9	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	.	
202	OLNEYA TESOTA	IRONWOOD		16	12	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	OLD	
203	OLNEYA TESOTA	IRONWOOD		15	8	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	LARGE SIZE	.	
204	CARNEGIEA GIGANTEA	SAGUARO		11	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	YELLOWING	.	
205	CARNEGIEA GIGANTEA	SAGUARO		20	0	SINGLE	LOW	LOW	YELLOW	RFS	4	BAD BASE	YELLOWING	split near bottom
206	CARNEGIEA GIGANTEA	SAGUARO		18	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	2	LARGE SIZE	OLD	
207	OLNEYA TESOTA	IRONWOOD		20	18	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
208	OLNEYA TESOTA	IRONWOOD		18	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LARGE SIZE	
209	OLNEYA TESOTA	IRONWOOD		25	20	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LARGE SIZE	
210	OLNEYA TESOTA	IRONWOOD		25	30	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
211	OLNEYA TESOTA	IRONWOOD		25	30	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
212	OLNEYA TESOTA	IRONWOOD		19	16	SINGLE	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
213	ACACIA GREGGII	CATCLAW ACACIA		11	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	LOW BRANCHING	
214	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
215	PROSOPIS VELUTINA	VELVET MESQUITE		12	5	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	perfect tree
216	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	5	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	
217	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	.	
218	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
219	CELTIS PALLIDA	DESERT HACKBERRY		10	0	MULTI	HIGH	LOW	YELLOW	RFS	0	LARGE SIZE	.	
220	CARNEGIEA GIGANTEA	SAGUARO		7	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
221	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	
100	PROSOPIS VELUTINA	VELVET MESQUITE		17	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LARGE SIZE	.	
223	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	IN DECLINE	.	
224	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN		9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	
225	ACACIA GREGGII	CATCLAW ACACIA		6	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	BROKEN LIMB	WIDE BASE	
226	ACACIA CONSTRICTA	WHITETHORN ACACIA		12	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DEAD LIMB	
227	ACACIA CONSTRICTA	WHITETHORN ACACIA		14	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DIEBACK	
228	CARNEGIEA GIGANTEA	SAGUARO		4	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
229	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0	.	.	
230	ACACIA CONSTRICTA	WHITETHORN ACACIA		10	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	REGROWTH	POOR FORM	
231	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
232	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
233	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN		12	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	
234	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
235	ZIZIPHUS OBTUSIFOLIA	GRAYTHORN		7	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	POOR FORM	
236	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
237	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
238	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	3	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
239	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
240	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
241	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
242	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	3	MULTI	MEDIUM	HIGH	BLUE	TOS	0	.	.	
243	CERCIDIUM FLORIDUM	BLUE PALO VERDE		9	5	MULTI	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	bark scale
244	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
245	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	MULTI	HIGH	MEDIUM	BLUE	TOS	0	.	.	double
246	CARNEGIEA GIGANTEA	SAGUARO		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	tag in tree
247	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		13	4	MULTI	MEDIUM	LOW	BLUE	TOS	0	WIDE BASE	.	
248	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	4	MULTI	HIGH	HIGH	BLUE	TOS	0	.	.	
249	ACACIA GREGGII	CATCLAW ACACIA		9	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
250	ACACIA GREGGII	CATCLAW ACACIA		5	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	LOW BRANCHING	
251	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	INTERFERENCE	.	tag in tree, barrel in tree
252	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
253	ACACIA GREGGII	CATCLAW ACACIA		8	6	MULTI	HIGH	LOW	BLUE	TOS	0	POOR FORM	LOW BRANCHING	
254	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	4	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	DAMAGED	.	

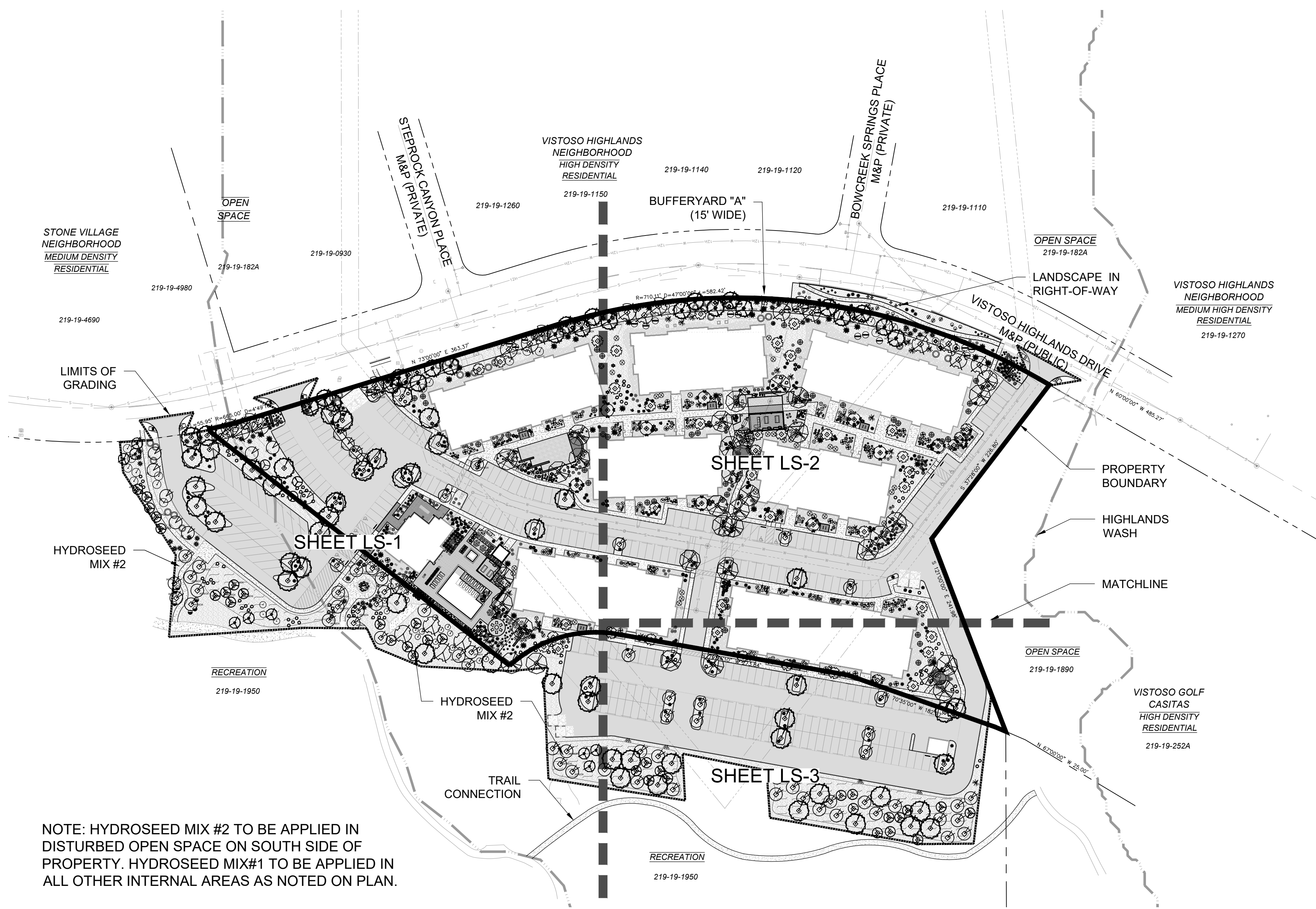
NATIVE PLANT INVENTORY

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
255	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
256	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	INTERFERENCE	
257	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	4	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	YELLOWING	
258	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	YELLOWING	2 smaller trees intertwined
259	ACACIA GREGGII	CATCLAW ACACIA		12	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	SOILS ROCKY	growing in rock
260	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	tag in tree
261	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	5	MULTI	MEDIUM	LOW	BLUE	TOS	0	SOILS ROCKY	.	
262	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	
263	ACACIA GREGGII	CATCLAW ACACIA		8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	POOR FORM	
264	PROSOPIS VELUTINA	VELVET MESQUITE		8	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	POOR FORM	
265	ACACIA CONSTRICTA	WHITETHORN ACACIA		10	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	BAD BASE	
266	PROSOPIS VELUTINA	VELVET MESQUITE		8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	BAD BASE	concrete drainage
267	PROSOPIS VELUTINA	VELVET MESQUITE		7	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	BAD BASE	concrete drainage
268	CERCIDIUM FLORIDUM	BLUE PALO VERDE		8	6	MULTI	LOW	LOW	YELLOW	RFS	0	SOILS ROCKY	IN DECLINE	
269	ACACIA GREGGII	CATCLAW ACACIA		9	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	WIDE BASE	
270	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	8	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	
271	PROSOPIS VELUTINA	VELVET MESQUITE		14	11	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	SOILS SANDY	wash bank
272	PROSOPIS VELUTINA	VELVET MESQUITE		11	14	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DEAD LIMB	wash bank
273	ACACIA GREGGII	CATCLAW ACACIA		12	4	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DEAD TRUNK	
274	ACACIA GREGGII	CATCLAW ACACIA		6	4	MULTI	LOW	LOW	YELLOW	RFS	0	LOW BRANCHING	MISTLETOE	
275	CELTIS PALLIDA	DESERT HACKBERRY		10	0	MULTI	HIGH	LOW	YELLOW	RFS	0	WIDE BASE	.	
276	PROSOPIS VELUTINA	VELVET MESQUITE		13	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	DIEBACK	on wash bank
277	PROSOPIS VELUTINA	VELVET MESQUITE		11	11	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	on wash bank
278	CELTIS PALLIDA	DESERT HACKBERRY		9	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	DIEBACK	on wash bank
279	PROSOPIS VELUTINA	VELVET MESQUITE		14	8	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	LARGE SIZE	DIEBACK	on wash bank
280	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
281	CELTIS PALLIDA	DESERT HACKBERRY		7	0	SINGLE	HIGH	LOW	BLUE	TOS	0	LARGE SIZE	.	
282	ACACIA GREGGII	CATCLAW ACACIA		9	6	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	LOW BRANCHING	
283	PROSOPIS VELUTINA	VELVET MESQUITE		12	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	LOW BRANCHING	
284	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
285	CELTIS PALLIDA	DESERT HACKBERRY		7	0	MULTI	HIGH	LOW	YELLOW	RFS	0	LOW BRANCHING	WIDE BASE	
286	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	5	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	IN DECLINE	in rock
287	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	11	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	in rock
288	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	in rock
289	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	in rock
290	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	6	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	in rock
291	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	.	.	in rock
292	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	LOW	YELLOW	RFS	0	.	.	in rock
293	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	.	YELLOWING	in rock
293	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	MULTI	HIGH	MEDIUM	YELLOW	RFS	0	.	SOILS ROCKY	double
295	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		13	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	dieback
296	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	SOILS SANDY	
297	PROSOPIS VELUTINA	VELVET MESQUITE		12	10	SINGLE	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	POOR FORM	
298	PROSOPIS VELUTINA	VELVET MESQUITE		9	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	WIDE BASE	
299	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	IN DECLINE	
300	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	IN DECLINE	
301	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	YELLOWING	.	bug damage
302	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	5	MULTI	LOW	LOW	YELLOW	RFS	0	BAD BASE	DEAD LIMB	bug damage
303	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DEAD LIMB	
304	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DIEBACK	
305	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	3	MULTI	LOW	LOW	YELLOW	RFS	0	BAD BASE	DEAD LIMB	
306	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	4	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	
307	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	3	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DEAD LIMB	root runner
308	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	DEAD LIMB	
309	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
310	ACACIA GREGGII	CATCLAW ACACIA		12	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DAMAGED	DIEBACK	
311	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	DIEBACK	
312	CARNEGIEA GIGANTEA	SAGUARO		2	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	tag in tree
312	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	19	SINGLE	LOW	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	leaning
314	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD LIMB	DIEBACK	root sucker
315	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
316	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	MULTI	MEDIUM	LOW	YELLOW	RFS	0	.	.	triple broken top
317	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	DIEBACK	
318	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	SOILS ROCKY	.	
319	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	3	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	LOW BRANCHING	
320	PROSOPIS VELUTINA	VELVET MESQUITE		13	6	MULTI	HIGH	LOW	YELLOW	RFS	0	SOILS SANDY	.	on wash bank
321	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
322	PROSOPIS VELUTINA	VELVET MESQUITE		12	4	SINGLE	MEDIUM	LOW	BLUE	TOS	0	SOILS SANDY	MISTLETOE	interference
323	CARNEGIEA GIGANTEA	SAGUARO		8	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	SLOPE	flag in tree
324	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	MEDIUM	BLUE	TOS	0	.	SLOPE	
325	FEROCACTUS WISLIZENII	FISHHOOK BARREL		0	0	SINGLE	HIGH	MEDIUM	YELLOW	TOS	0	.	SLOPE	
326	ACACIA CONSTRICTA	WHITETHORN ACACIA		13	7	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS SANDY	SLOPE	on bank
326	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	BAD BASE	rat nest
328	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	MULTI	LOW	LOW	YELLOW	RFS	0	SOILS ROCKY	BAD BASE	double
329	ACACIA GREGGII	CATCLAW ACACIA		10	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	SOILS ROCKY	LOW BRANCHING	die back
330	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	.	.	
331	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	flag in bush

NUMBER	BOTANICAL NAME	COMMON NAME	SIG. VEG.	HEIGHT (FT)	CALIPER (IN)	TRUNK	VIABILITY	TRANSPLANT	TAG	TREATMENT	ARMS	REASONS		
332	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
333	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0	.	.	
334	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		6	3	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	BAD BASE	in rocks
335	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	6	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	BAD BASE	in rocks
336	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	LOW	YELLOW	RFS	0	.	.	in rocks
336	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	5	MULTI	LOW	LOW	YELLOW	RFS	0	DIEBACK	IN DECLINE	rats nest
337	ACACIA GREGGII	CATCLAW ACACIA		5	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	LOW BRANCHING	SOILS SANDY	poor form
339	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	6	MULTI	LOW	LOW	YELLOW	RFS	0	IN DECLINE	DEAD TRUNK	
340	PROSOPIS VELUTINA	VELVET MESQUITE		11	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	WIDE BASE	DIEBACK	loose soil
341	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	5	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DIEBACK	
342	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	3	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	rocky soils
342	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	INTERFERENCE	DIEBACK	form
344	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	9	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	DIEBACK	interference
345	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	4	MULTI	LOW	LOW	YELLOW	RFS	0	POOR FORM	DIEBACK	root sucker
346	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	15	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	WIDE BASE	
347	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	13	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
348	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	9	MULTI	LOW	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
349	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		11	16	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DEAD TRUNK	WIDE BASE	
350	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		9	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0	DIEBACK	WIDE BASE	split trunk
351	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	MEDIUM	BLUE	TOS	0	LARGE SIZE	.	
352	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		6	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth
353	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		7	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth root sucker
354	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		6	0	MULTI	LOW	LOW	YELLOW	RFS	0	POOR FORM	.	sideways growth root sucker
355	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	4	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0	INTERFERENCE	.	
500	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	9	MULTI	LOW	LOW	YELLOW	RFS	0			
501	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0			
502	PROSOPIS VELUTINA	VELVET MESQUITE		10	7	MULTI	LOW	LOW	YELLOW	RFS	0	dieback		
503	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
504	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
505	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		10	4	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
506	FOUQUIERIA SPLENDENS	OCOTILLO		13	0	MULTI	HIGH	HIGH	BLUE	TOS	20			
507	ACACIA GREGGII	CATCLAW ACACIA		12	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0	low branch		
508	PROSOPIS VELUTINA	VELVET MESQUITE		10	13	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
511	PROSOPIS VELUTINA	VELVET MESQUITE		11	11	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
512	CELTIS PALLIDA	DESERT HACKBERRY		8	4	MULTI	HIGH	LOW	YELLOW	RFS	0			
513	PROSOPIS VELUTINA	VELVET MESQUITE		12	16	MULTI	LOW	LOW	YELLOW	RFS	0	mistletoe		
514	ACACIA GREGGII	CATCLAW ACACIA		8	4	MULTI	HIGH	HIGH	BLUE	TOS	0			
515	CERCIDIUM FLORIDUM	BLUE PALO VERDE		8	4	MULTI	HIGH	HIGH	BLUE	TOS	0			
517	PROSOPIS VELUTINA	VELVET MESQUITE		8	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
518	PROSOPIS VELUTINA	VELVET MESQUITE		11	12	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
519	PROSOPIS VELUTINA	VELVET MESQUITE		9	8	SINGLE	MEDIUM	LOW	YELLOW	RFS	0			
520	PROSOPIS VELUTINA	VELVET MESQUITE		8	13	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
521	PROSOPIS VELUTINA	VELVET MESQUITE		8	6	MULTI	MEDIUM	MEDIUM	YELLOW	RFS	0			
523	ACACIA GREGGII	CATCLAW ACACIA		7	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
524	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	LOW	LOW	YELLOW	RFS	0			
525	ACACIA GREGGII	CATCLAW ACACIA		6	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
526	FEROCACTUS WISLIZENII	FISHHOOK BARREL		3	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
527	FOUQUIERIA SPLENDENS	OCOTILLO		8	0	MULTI	HIGH	HIGH	BLUE	TOS	25			
528	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
529	PROSOPIS VELUTINA	VELVET MESQUITE		10	8	SINGLE	MEDIUM	LOW	YELLOW	RFS	0			
530	PROSOPIS VELUTINA	VELVET MESQUITE		9	9	SINGLE	MEDIUM	LOW	YELLOW	RFS	0			
531	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
532	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
533	FOUQUIERIA SPLENDENS	OCOTILLO		15	0	MULTI	HIGH	MEDIUM	BLUE	TOS	32			
534	CERCIDIUM MICROPHYLLUM	FOOTHILLS PALO VERDE		12	8	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
535	ACACIA GREGGII	CATCLAW ACACIA		8	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
536	ACACIA GREGGII	CATCLAW ACACIA		8	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
537	ACACIA GREGGII	CATCLAW ACACIA		8	6	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
538	ACACIA GREGGII	CATCLAW ACACIA		9	10	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
539	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
540	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	LOW	HIGH	YELLOW	RFS	0			
541	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
542	FEROCACTUS WISLIZENII	FISHHOOK BARREL		4	0	SINGLE	HIGH	LOW	YELLOW	RFS	0			
543	ACACIA GREGGII	CATCLAW ACACIA		6	5	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
544	PROSOPIS VELUTINA	VELVET MESQUITE		7	4	SINGLE	HIGH	LOW	YELLOW	RFS	0			
545	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	MEDIUM	HIGH	BLUE	TOS	0			
546	FEROCACTUS WISLIZENII	FISHHOOK BARREL		2	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
547	FEROCACTUS WISLIZENII	FISHHOOK BARREL		1	0	SINGLE	HIGH	HIGH	BLUE	TOS	0			
548	CERCIDIUM FLORIDUM	BLUE PALO VERDE		9	9	MULTI	MEDIUM	LOW	YELLOW	RFS	0			
549	ACACIA CONSTRICTA	WHITETHORN ACACIA		10	8	MULTI	LOW	LOW	YELLOW	RFS	0	half dead		
550	ACACIA CONSTRICTA	WHITETHORN ACACIA		8	5	MULTI	LOW	LOW	YELLOW	RFS	0			

LANDSCAPE PLAN
RULNEY VISTOSO RESIDENTIAL
CASE #

- GENERAL NOTES:
- A. Gross area of development in acres: 10.7 AC (including 3.9 AC offsite work)
- B. Total acres of graded area: 10.7 AC
- C. Total acres of undisturbed area: 0
- D. 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: 37.7% (including landscape common areas; excluding trailhead use area) Total amount of Landscaped Common Areas: 99,952 SF.
- E. Landscape Bufferyard "A" Residential Street Frontage along Vistoso Highlands Dr. (Minimum 15 ft.) Landscaped buffer yards appropriately labeled per OVZCR Table 27.7.
- F. The existing zoning for A.P.N. 219-19-1910 is Rancho Vistoso PAD 5 '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 5 'Open Space.' The proposed zoning for A.P.N. 219-19-1840 is RV PAD 5 'Recreation.' (See Sheet 2 civil notes for 'Rezoning Conditions.')
- G. Classification of each perimeter street abutting the property and type and width of street buffer yards provided.
- H. Landscape to conform to Oro Valley Landscape Code.
- I. Mitigation of surveyed plants in the Native Plant Preservation Plan will be incorporated in the landscape design.
- J. 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.
- K. 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.
- L. Property owners, lessees, and occupants shall maintain required landscape, irrigation, buffering, screening, and rainwater harvesting system improvements per the approved plans.
- M. 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.
- N. 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.
- O. 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.
- P. 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.
- Q. 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.
- R. Property owner is responsible for maintaining the temporary irrigation system as long as necessary in order to transition plants over to natural sources. Irrigation shall be reduced three years after issuance of the first certificate of occupancy. 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.
- S. 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.
- T. Landscape materials shall not obstruct sight distances or vehicle turning movements.
- U. Landscaped areas that are susceptible to damage by pedestrian or auto traffic shall be protected by appropriate curbs, tree guards, or other devices.
- V. Landscape shall be designed to minimize sediment, sand, and gravel being carried into the streets from storm water or other runoff.
- W. Landscape plan enables adequate plant spacing to ensure survivability at plant maturity.
- X. 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.
- Y. Curb-way consisting of inorganic groundcover or plants not to exceed type 2 water use shall be provided between curb and all sidewalks.
- Z. All landscaped areas to be finished with a natural topping material to a depth of at least two (2) inches.
- AA. There are no overlay zones applicable to the property.
- BB. Table for each buffer yard that indicates buffer yard type, width/length, and number of required and provided trees, shrubs, and accent plants. (See this sheet)
- CC. The proposed development will have trails:
- i. All trail easements indicated are for use by the general public as permanent, non-motorized trail easements or for private use by residents 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. 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.
- vi. Specify ownership and maintenance responsibility of all trails. Public trail easements must be dedicated to the Town as part of the final plat.



NOTE: HYDROSEED MIX #2 TO BE APPLIED IN DISTURBED OPEN SPACE ON SOUTH SIDE OF PROPERTY. HYDROSEED MIX#1 TO BE APPLIED IN ALL OTHER INTERNAL AREAS AS NOTED ON PLAN.

15 FT BUFFERYARD "A" RESIDENTIAL STREET FRONTAGE

934 LF
TREES REQUIRED(4 PER 100LF): 37
TREES PROVIDED: 37
SHRUBS REQUIRED(4 PER 100LF):37
SHRUBS PROVIDED: 37
ACCENTS/CACTI REQUIRED(8 PER 100LF):75
ACCENTS/CACTI PROVIDED: 100

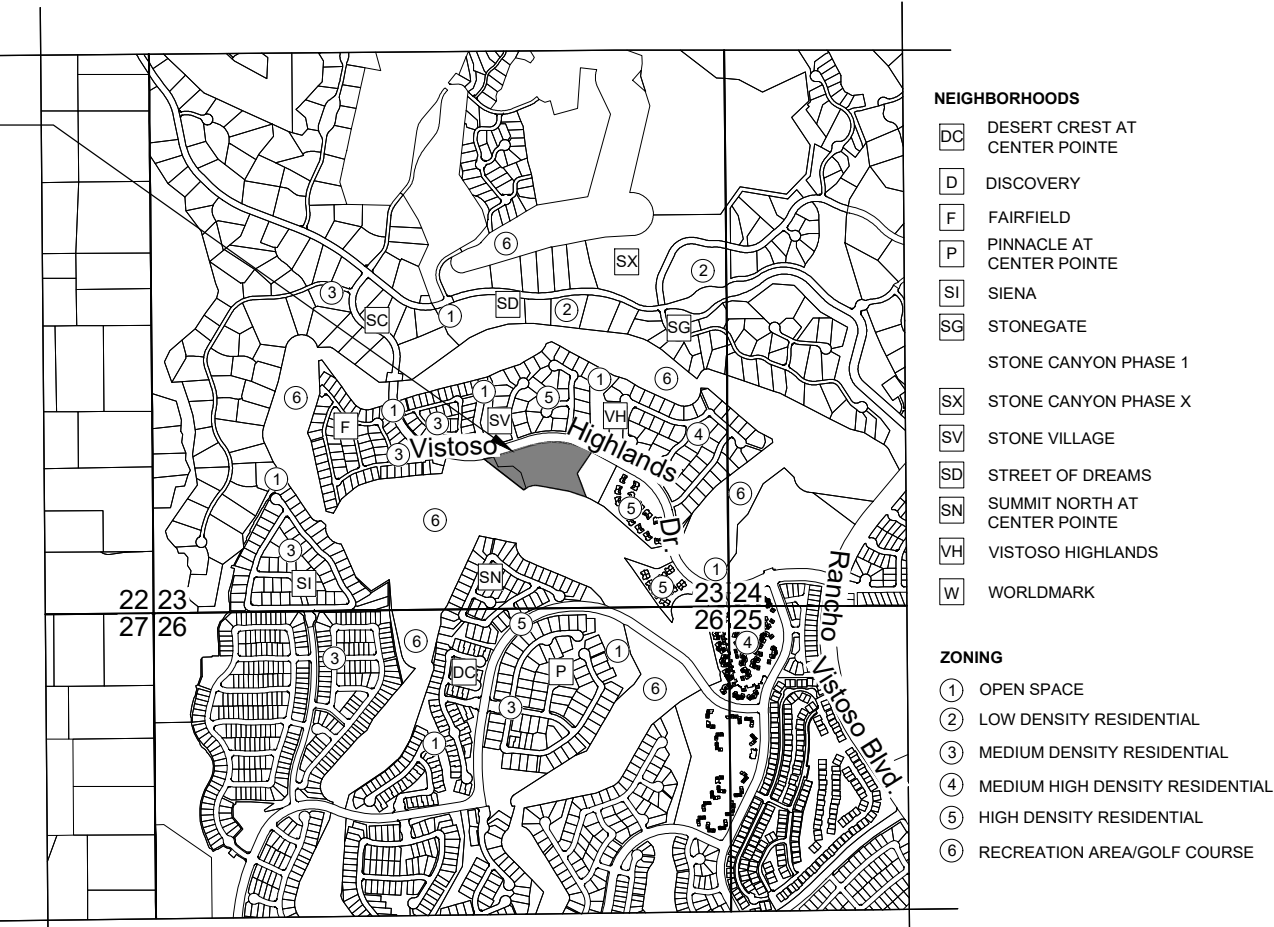
PARKING

247 SPACES
NOTE: 30 ADDITIONAL PARKING SPACES (7,574 SF) PROVIDED FOR THE NEW TRAILHEAD

TREES REQUIRED (1 PER 9 SPACES): 27
TREES PROVIDED: 55



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:

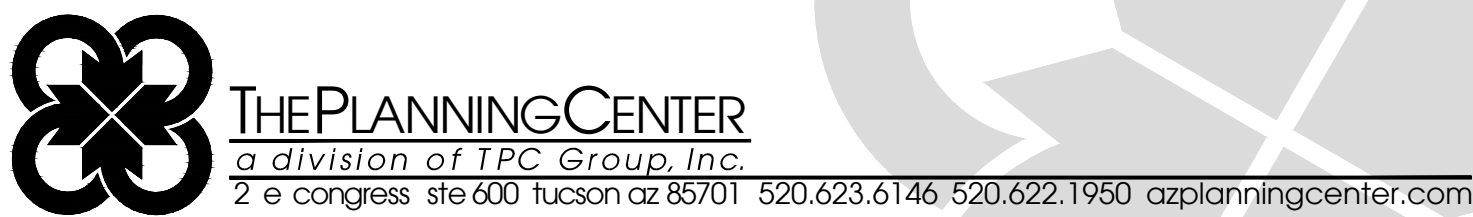
COVER	THIS SHEET
LANDSCAPE PLAN	LS-1
LANDSCAPE PLAN	LS-2
LANDSCAPE PLAN	LS-3
LANDSCAPE NOTES	LS-4
LANDSCAPE DETAILS	LD-1
RECREATION AREA & HARDSCAPE PLAN	R-1
RECREATION AREA & HARDSCAPE PLAN NOTES	R-2
REC & HS PLAN RECREATION AREA #1	R-3
REC & HS PLAN RECREATION AREA #2	R-4
REC & HS PLAN RECREATION AREA #3	R-5
REC & HS PLAN RECREATION AREAS #4 & #5	R-6
HARDSCAPE & GROUNDCOVER	R-7
HARDSCAPE DETAILS	HD-1
HARDSCAPE DETAILS	HD-2
HARDSCAPE DETAILS	HD-3
HARDSCAPE DETAILS	HD-4

SUBMITTAL HISTORY:

1ST SUBMITTAL 06/02/23 TOWN OF ORO VALLEY

TOWN ENGINEER DATE
(FOR LANDSCAPE PROPOSED WITHIN PUBLIC ROW)

PLANNING & ZONING ADMINISTRATOR DATE



PROJECT: CCD-15
DATE: 06/02/23
DRAWN BY: CJL/KDP
CHECKED BY: DB

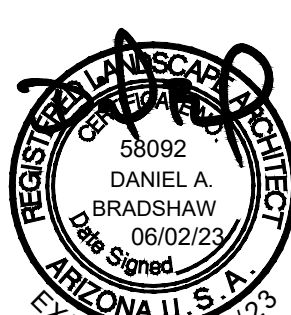
CALL TWO WORKING DAYS BEFORE YOU DIG
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1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

#	REVISIONS/SUBMITTALS	DATE

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 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 PLAN
RULNEY VISTOSO RESIDENTIAL

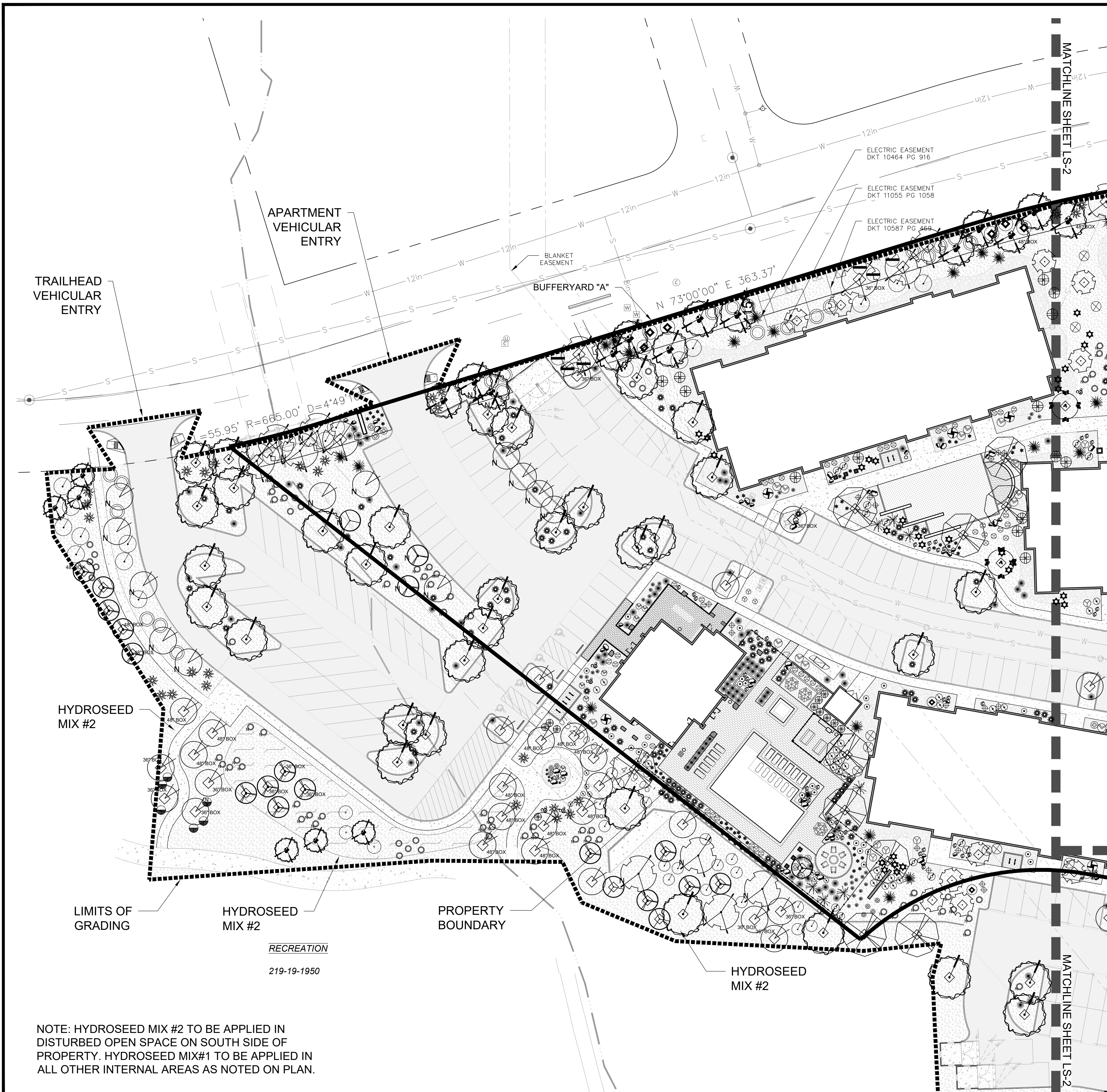
A PORTION OF THE S.E. 1/4 OF SECTION
23, TOWNSHIP 11 SOUTH, RANGE 13 EAST,
G.&S.R.M., TOWN OF ORO VALLEY, PIMA
COUNTY, ARIZONA

CASE NO:
CASE #

REFERENCE:
REF #

LS-0
12 OF 28

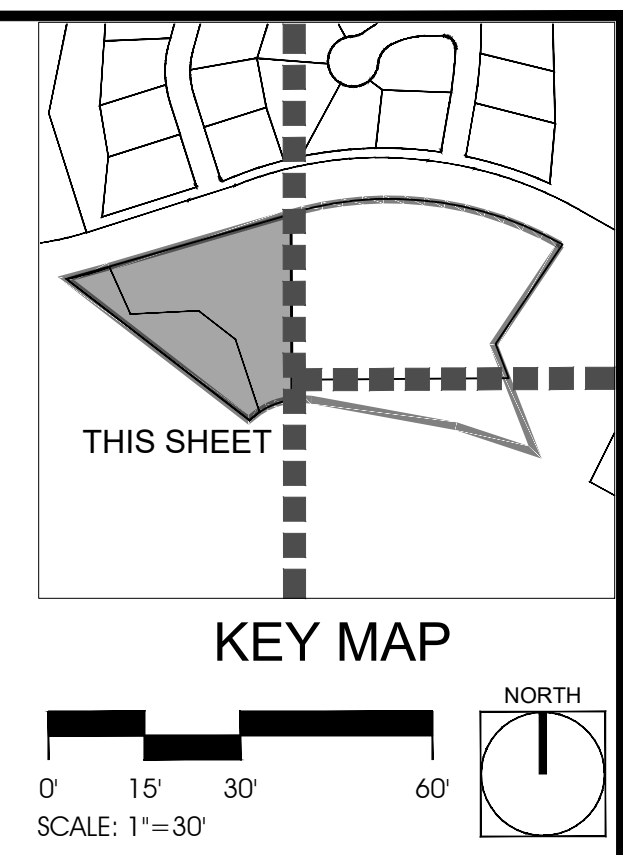
ALL PROJECTS (CCD-15) AUTOCAD WORKING DRAWINGS (CCD-15) LS-2 DWG. 06/02/2023, 8:38 AM, KENDRA POTTER
THE USE OF PLANS PREPARED BY THE PLANNING CENTER SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS LIMITED TO SUCH USE. REPRODUCTION, PUBLICATION OR REUSE BY ANY METHOD, IN WHOLE OR PART, WITHOUT THE EXPRESSED WRITTEN CONSENT FROM THE LANDSCAPE ARCHITECT IS PROHIBITED. TITLE TO THESE CONCEPTS AND PLANS
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.



NOTE: HYDROSEED MIX #2 TO BE APPLIED IN DISTURBED OPEN SPACE ON SOUTH SIDE OF PROPERTY. HYDROSEED MIX#1 TO BE APPLIED IN ALL OTHER INTERNAL AREAS AS NOTED ON PLAN.

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
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL.
	OLNEYA TESOTA IRONWOOD TREE	15 GAL. TOS
	PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL. TOS
	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.
	VITEX AGNIUS-CASTUS CHASTE TREE/ MONK'S PEPPER TREE	15 GAL.
	SHRUBS	
	ABUTILON INCANUM INDIAN MALLOW	5 GAL.
	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL.
	BUDDLEIA MARRUBIFOLIA WOOLLY BUTTERFLY BUSH	5 GAL.
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL.
	CELTIS PALLIDA DESERT HACKBERRY	5 GAL. TOS
ACCENTS & SUCCULENTS	CORDIA PARVIFLORA LITTLE LEAF CORDIA	5 GAL.
	DODONEA VISCOSA GREEN HOPSEED BUSH	5 GAL.
	SENNA WISLIZENII SHRUBBY SENNA/ CASSIA	5 GAL.
	SIMMONDSIA CHINENSIS JOJOBA	5 GAL.
	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL.
	ZIZIPHUS OBTUSIFOLIA GRAYTHORN	5 GAL.
	AGAVE COLORATA MESCAL CENIZA	5 GAL.
	AGAVE PARRYII VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL.
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL.
	PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL.
	CARNEGIA GIGANTEA SAGUARO	5 GAL. TOS
	DASYLIRON WHEELERI DESERT SPOON	5 GAL.
	ECHINOCACTUS GRISONII GOLDEN BARREL	5 GAL.
	ECHINOCACTUS SPP. HEDGEHOG CACTUS	5 GAL.
	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL.
ACCENTS & SUCCULENTS	EUPHORBIA RIGIDA (NE ONLY) GOPHER PLANT	5 GAL.
	FEROCACTUS WISLIZENII FISHHOOK BARREL	5 GAL. TOS
	FOUQUIERIA SPLENDENS OCOTILLO	5 GAL. TOS
	JUSTICIA CALIFORNICA CHURCHOSA	5 GAL.
	OPUNTIA ENGELMANNII LINGUIFORMIS COW'S 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.
	SALVIA GREGGII (NE ONLY) AUTUMN SAGE	5 GAL.
	YUCCA ELATA SOAP TREE YUCCA	TOS
	YUCCA RIGIDA BLUE TREE YUCCA	5 GAL.
INERT GROUND COVER		
BY OWNER. 1" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL AT SEATING NODES. (SEE LS PLANS.)		
1.2" SCREENED ROCK. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL IN ACCENT AREAS, PEDESTRIAN CORRIDOR, AMENITY PLANTING BEDS, & NEAR ENTRY TO LEASING CENTER. (SEE LS PLANS.)		
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. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE.		
RIP RAP. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. INSTALL AT ENTRY TO LEASING CENTER, ENTRY TO FRONT SITE MONUMENTS, AND OTHER NOTABLE LOCATIONS (SEE LS PLANS.)		
DESERT COBBLE 25% MIX AND HYDROSEED MIX #1 (SEE SHEET LS-4 FOR DETAILS.) NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 25% WITH HYDROSEED LANDSCAPE APPLICATION. (INCLUDES COMMON AREAS, PARKING ISLANDS, LANDSCAPE BUFFERYARD, & INTERNAL RAINWATER HARVESTING BASINS)		
DESERT COBBLE MIX 100%. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 100% IN FOUNDATION LANDSCAPE (LANDSCAPE SURROUNDING BASE OF BUILDINGS AS NOTED ON PLANS.)		
BOULDERS: BUILDER TO USE EXISTING SITE BOULDERS. SURFACE SELECT ADDITIONAL TO SUPPLEMENT AS NEEDED.		
SMALL (2X3) 77 LARGE (3X4) 54		

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 GRISONII GOLDEN BARREL	5 GAL.
	EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL.
	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL.
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.



- LEGEND**
- Project Boundary
 - Wash
 - Parcels
 - 2' Contour Interval



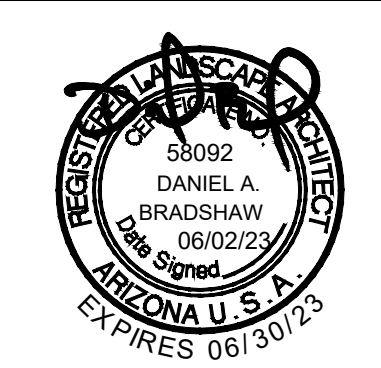
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FOR AGENCY REVIEW AND APPROVAL ONLY. NOT FOR CONSTRUCTION. NOT FOR BIDDING

LANDSCAPE PLAN

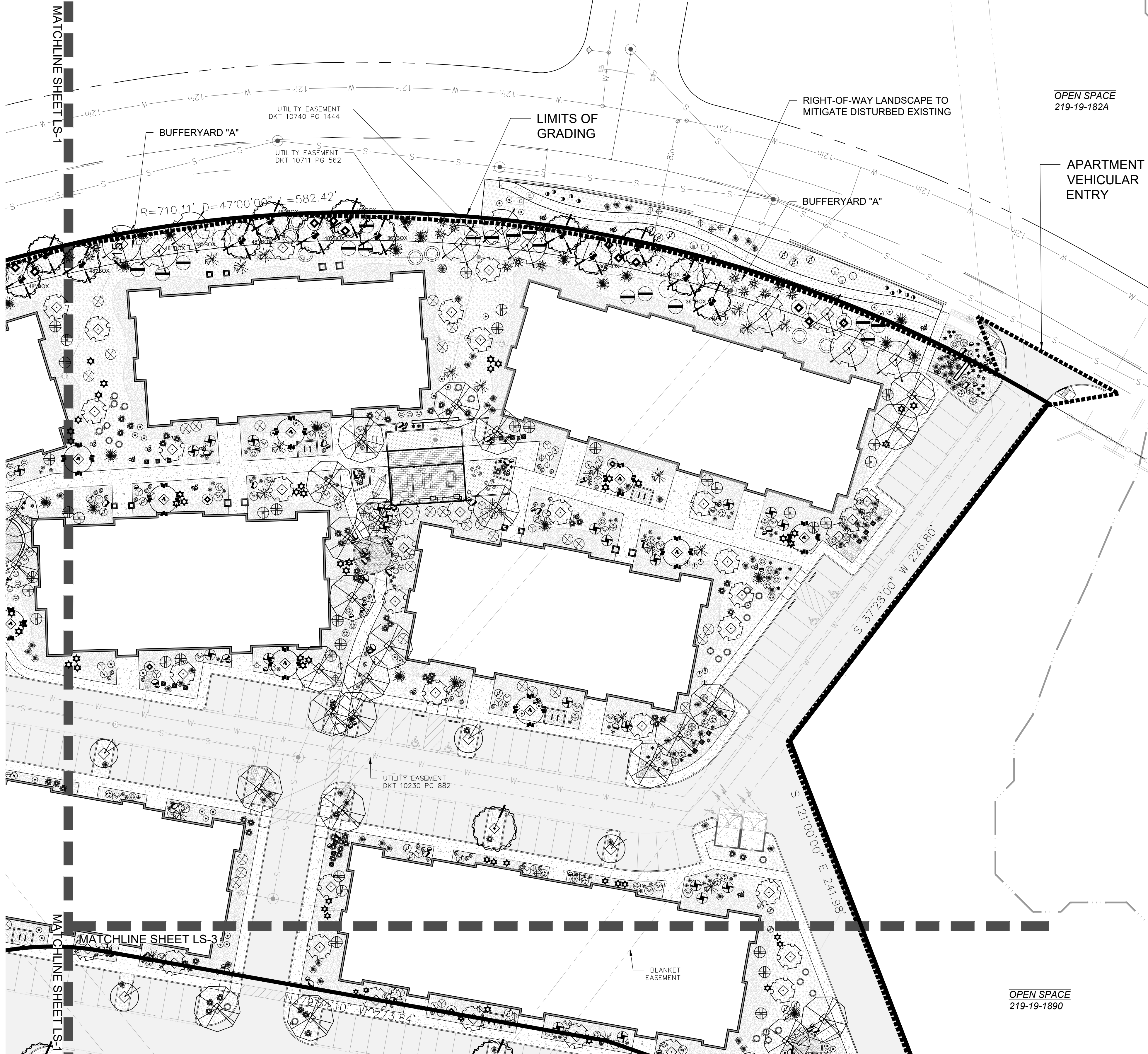


LANDSCAPE PLAN
RULNEY VISTOSO RESIDENTIAL

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 #
REFERENCE: REF #
LS-1
13 OF 28

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
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL.
	OLNEYA TESOTA IRONWOOD TREE	15 GAL. TOS
	PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL. TOS
	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.
	VITEX AGNUS-CASTUS CHASTE TREE/ MONK'S PEPPER TREE	15 GAL.
	SHRUBS	
	ADULTON INCANUM INDIAN MALLOW	5 GAL.
	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL.
	BUDDLEIA MARRUBIFOLIA WOOLLY BUTTERFLY BUSH	5 GAL.
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL.
	CELTIS PALLIDA DESERT HACKBERRY	5 GAL. TOS

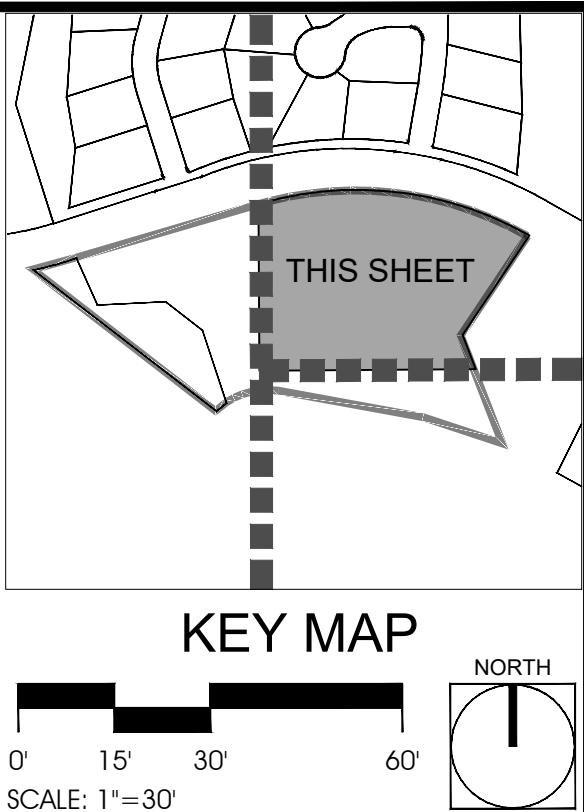
ACCENTS & SUCCULENTS	AGAVE COLORATA MESCAL CENIZA	5 GAL.
	AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL.
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL.
	PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL.
	CARNEGIA GIGANTEA SAGUARO	5 GAL. TOS
	DASYLIRION WHEELERI DESERT SPOON	5 GAL.
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL.
	ECHINOCACTUS SPP. HEDGEHOG CACTUS	5 GAL.
	EUPHORBIA ANTISYPHILITICA CANDELILLA	5 GAL.
	EUPHORBIA RIGIDA (NE ONLY) GOPHER PLANT	5 GAL.
	FEROCACCTUS WISLIZENII FISHHOOK BARREL	5 GAL. TOS
	FOUQUIERIA SPLENDENS OCOTILLO	5 GAL. TOS
	JUSTITIA CALIFORNICA CHUPAURESA	5 GAL.
	OPUNTIA ENGELMANNII LINGUIFORMIS COW'S TONGUE PRICKLY PEAR	5 GAL.
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.

INERT GROUND COVER		
	DECOMPOSED GRANITE 1/4" MINUS. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 1" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL AT SEATING NODES. (SEE LS PLANS.)	
	1/2" SCREENED ROCK. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL IN ACCENT AREAS, PEDESTRIAN CORRIDOR, AMENITY PLANTING BEDS, & NEAR ENTRY TO LEASING CENTER. (SEE LS PLANS.)	
	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. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE.	
	RIP RAP. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNERS. INSTALL AT ENTRY TO LEASING CENTER, ENTRY TO FIREPIT, SITE MONUMENTS AND OTHER NOTABLE LOCATIONS (SEE LS PLANS.)	
	DESERT COBBLE 25% MIX AND HYDROSEED MIX #1 (SEE SHEET LS-4 FOR DETAILS.) NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 25% WITH HYDROSEED LANDSCAPE APPLICATION. (INCLUDES COMMON AREAS, PARKING ISLANDS, LANDSCAPE BUFFERYARD, & INTERNAL RAINWATER HARVESTING BASINS)	
	DESERT COBBLE MIX 100%. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 100% IN FOUNDATION LANDSCAPE (LANDSCAPE SURROUNDING BASE OF BUILDINGS AS NOTED ON PLANS.)	
	BOULDERS: BUILDER TO USE EXISTING SITE BOULDERS. SURFACE SELECT ADDITIONAL TO SUPPLEMENT AS NEEDED.	SMALL (2X3) 77 LARGE (3X4) 54

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 CANDELILLA	5 GAL.
	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL.
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL.

LEGEND

- Project Boundary
- Wash
- Parcels
- 2' Contour Interval

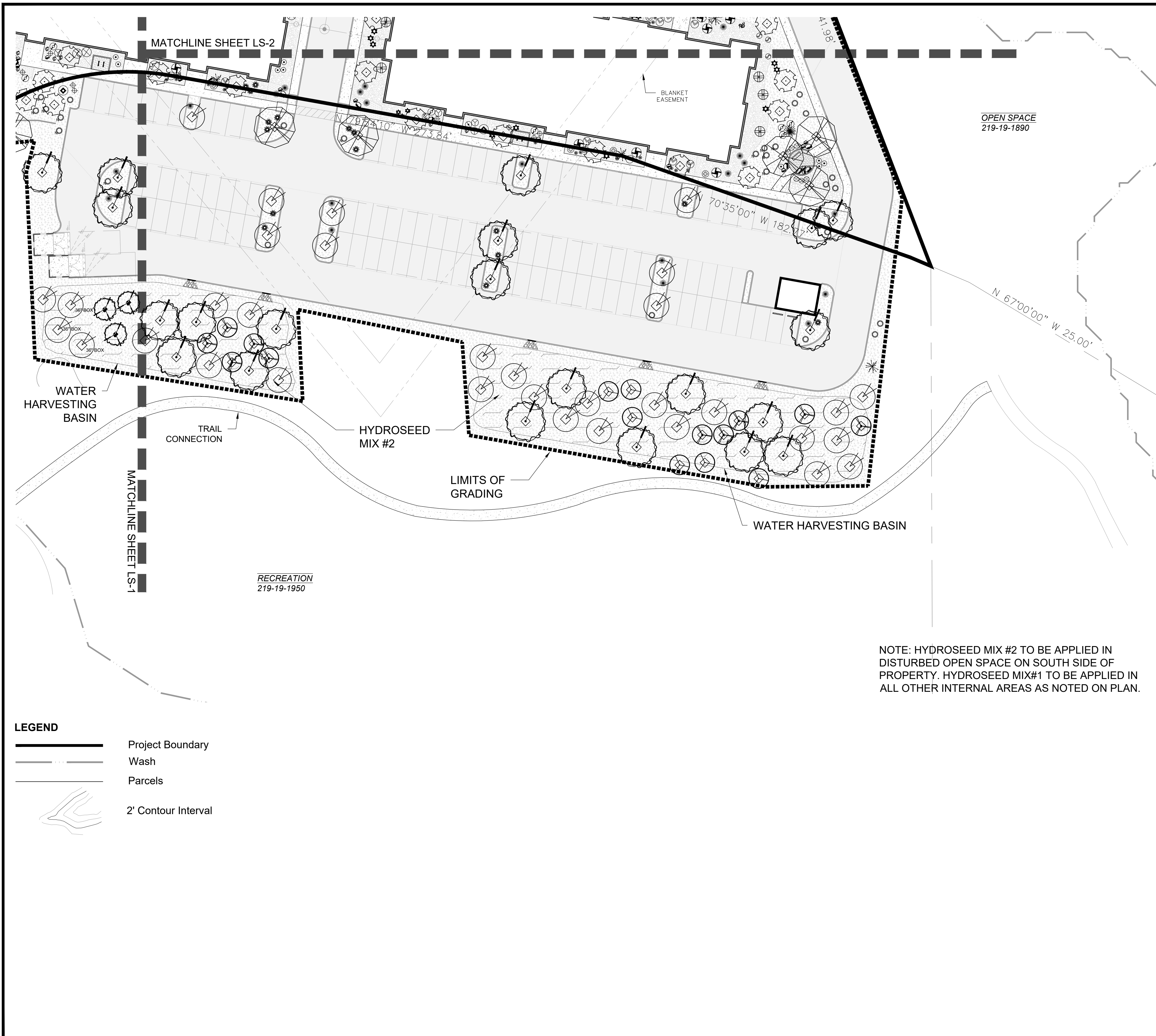


#	REVISIONS/SUBMITTALS	DATE

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

LANDSCAPE PLAN





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
CHILOPSIS LINEARIS DESERT WILLOW	15 GAL
OLNEYA TESOTA IRONWOOD TREE	15 GAL TOS
PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL TOS
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
VITEX AGNUS-CASTUS CHASTE TREE/ MONK'S PEPPER TREE	15 GAL
SHRUBS	
ABUTILON INCANUM INDIAN MALLOW	5 GAL
ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL
BUDDLEIA MARRUBIFOLIA WOOLLY BUTTERFLY BUSH	5 GAL
CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL
CELTIS PALLIDA DESERT HACKBERRY	5 GAL TOS
CORDIA PARVIFLORA LITTLE LEAF CORDIA	5 GAL
DODONEA VISCOSA GREEN HOPSEED BUSH	5 GAL
SENNA WISLIZENII SHRUBBY SENNA/ CASSIA	5 GAL
SIMMONDSIA CHINENSIS JOJOBA	5 GAL
SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL
ZIZIPHUS OBtusIFOLIA GRAYTHORN	5 GAL
ACCENTS & SUCCULENTS	
AGAVE COLORATA MESCAL GENIZA	5 GAL
AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL
AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL
PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL
CARNEGIA GIGANTEA SAGUARO	5 GAL TOS
DASYLIRION WHEELERI DESERT SPOON	5 GAL
ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL
ECHINOCECREUS SPP. HEDGEHOG CACTUS	5 GAL
EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL
EUPHORBIA RIGIDA (NE ONLY) GOPIHER PLANT	5 GAL
FEROCACCTUS WISLIZENII FISHHOOK BARREL	5 GAL TOS
FOUQUIERIA SPLENDENS OCOTILLO	5 GAL TOS
JUSTITIA CALIFORNICA CHURUPUROSA	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
SALVIA GREGGII (NE ONLY) AUTUMN SAGE	5 GAL
YUCCA ELATA SOAP TREE YUCCA	TOS
YUCCA RIGIDA BLUE TREE YUCCA	5 GAL

RIGHT-OF-WAY PLANT SCHEDULE

BOTANICAL NAME COMMON NAME	SIZE
ACCENTS & SUCCULENTS	
AGAVE COLORATA MESCAL GENIZA	5 GAL
AGAVE PARRYI VAR. HUACHUCENSIS HUACHUCA AGAVE	5 GAL
AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL
PEDILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL
CARNEGIA GIGANTEA SAGUARO	5 GAL TOS
DASYLIRION WHEELERI DESERT SPOON	5 GAL
ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL
ECHINOCECREUS SPP. HEDGEHOG CACTUS	5 GAL
EUPHORBIA ANTISYPHILITICA CANDELLILLA	5 GAL
EUPHORBIA RIGIDA (NE ONLY) GOPIHER PLANT	5 GAL
FEROCACCTUS WISLIZENII FISHHOOK BARREL	5 GAL TOS
FOUQUIERIA SPLENDENS OCOTILLO	5 GAL TOS
JUSTITIA CALIFORNICA CHURUPUROSA	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
SALVIA GREGGII (NE ONLY) AUTUMN SAGE	5 GAL
YUCCA ELATA SOAP TREE YUCCA	TOS
YUCCA RIGIDA BLUE TREE YUCCA	5 GAL

KEY MAP

0' 15' 30' 60'

SCALE: 1"=30'

NORTH

LEGEND

- Project Boundary
- Wash
- Parcels
- 2' Contour Interval

NOTE: HYDROSEED MIX #2 TO BE APPLIED IN DISTURBED OPEN SPACE ON SOUTH SIDE OF PROPERTY. HYDROSEED MIX#1 TO BE APPLIED IN ALL OTHER INTERNAL AREAS AS NOTED ON PLAN.

INERT GROUND COVER

- DECOMPOSED GRANITE 1/4" MINUS. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 1" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL AT SEATING NODES. (SEE LS PLANS.)
- 1/2" SCREENED ROCK NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL IN ACCENT AREAS, PEDESTRIAN CORRIDOR, AMENITY PLANTING BEDS, & NEAR ENTRY TO LEASING CENTER (SEE LS PLANS.)
- 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. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE.
- RIP RAP NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNERS. INSTALL AT ENTRY TO LEASING CENTER, ENTRY TO FRONT SITE MONUMENTS, AND OTHER NOTABLE LOCATIONS (SEE LS PLANS.)
- DESERT COBBLE 25% MIX AND HYDROSEED MIX #1 (SEE SHEET LS-4 FOR DETAILS.) NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 25% WITH HYDROSEED LANDSCAPE APPLICATION. (INCLUDES COMMON AREAS, PARKING ISLANDS, LANDSCAPE BUFFERYARD, & INTERNAL RAINWATER HARVESTING BASINS)
- DESERT COBBLE MIX 100% NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 100% IN FOUNDATION LANDSCAPE (LANDSCAPE SURROUNDING BASE OF BUILDINGS AS NOTED ON PLANS.)
- BOULDERS: BUILDER TO USE EXISTING SITE BOULDERS. SURFACE SELECT ADDITIONAL TO SUPPLEMENT AS NEEDED. SMALL (2X3) 77 LARGE (3X4) 54

PLANTING NOTES

- The owner's representative shall reserve the right to refuse any plant materials that are deemed unacceptable
- The owner's representative shall approve all material substitutions.
- All plant material and specifications shall conform to the Arizona Nursery Association standards.
- Plants shall feature growth habit that is normal for the species. Plants shall be healthy, vigorous, and free from disease, insect, or injury.
- All plant material shall be guaranteed for a period of one (1) year after final acceptance.
- 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.
- 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.
- 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.
- All decorative screened rock shall be 1/2" (min.) below sidewalks and hardscape surfaces.
- Contractor shall call in an Arizona 811 request at least 48 hours prior to any construction.
- All signage and lighting to be addressed as part of a separate review and approval.
- All meters, shall have a backflow protection device installed on the customer side of the meter.
- Trees and shrubs shall be adequately supported when planted.
- 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 General Development code section C.6.B.ii.
- Every landscape island in parking areas shall be designed for rainwater harvest. Per Oro Valley General Development Code Section C.6.B.ii.
- 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.

PROJECT SITE PLANT SCHEDULE

	BOTANICAL NAME COMMON NAME	SIZE	QTY	WATER USE TYPE	ADWR USE AT MATURITY (GAL)	ANNUAL WATER USE (GAL)	MONTHLY WATER USE (GAL)
TREES	ACACIA CONstricta WHITETHORN ACACIA	15 GAL TOS	8 1	1 1	1,754 1,754	19,294 1,754	1608 146
	ACACIA GREGGii CATCLAW ACACIA	48" BOX 36" BOX 15 GAL TOS	3 3 26 2	1 1 1 1	1,754 1,754 1,754 1,754	5,262 5,262 43,850 3,506	439 439 3,654 292
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL TOS	42 2	2 1	5,702 2,741	119,742 5,482	9,979 457
	OLNEYA TESOTA IRONWOOD TREE	15 GAL TOS	35 2	1 1	2,741 2,741	120,604 5,482	10,050 457
	PARKINSONIA FLORIDUM BLUE PALO VERDE	48" BOX 36" BOX 15 GAL TOS	2 2 15 2	2 2 2 2	5,702 5,702 5,702 5,702	11,404 11,404 96,934 11,404	950 950 8,078 950
	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	48" BOX 15 GAL TOS	12 12 63	1 1 1	1,754 1,754 1,754	21,048 21,048 117,518	1,754 1,754 9,793
	PROSOPIS VELUTINA VELVET MESQUITE	48" BOX 36" BOX 15 GAL TOS	6 6 25 2	2 2 2 2	5,702 5,702 5,702 5,702	34,212 34,212 171,060 11,404	2,851 2,851 14,255 950
	PROSOPIS GLANDULOSA HONEY MESQUITE	15 GAL TOS	52 2	2 1	5,702 2,741	205,272 5,482	17,106 457
	VITEA AGNUS-CASTUS CHASTE TREE/ MONK'S PEPPER TREE	15 GAL TOS	9 2	2 1	3,960 2,741	35,640 5,482	2,970 439
	SHRUBS						
	ABUTILON INCANUM INDIAN MALLOW	5 GAL TOS	50 2	2 1	39 1,754	1,638 1,754	137 146
	ASCLEPIAS SUBULATA DESERT MILKWEED	5 GAL TOS	164 2	2 1	57 1,754	5,985 1,754	499 146
	BUDOLEIA MARRUBIIFOLIA WOOLLY BUTTERFLY BUSH	5 GAL TOS	52 3	3 1	219 1,754	10,074 1,754	840 146
	CALLIANDRA ERIOPHYLLA NATIVE FAIRY DUSTER	5 GAL TOS	29 1	1 1	70 1,754	1,820 1,754	152 146
	CELTIS PALLIDA DESERT HACKBERRY	5 GAL TOS	6 2	2 1	634 1,754	3,804 1,754	317 146
	CORDIA PARVIFLORA LITTLE LEAF CORDIA	5 GAL TOS	35 1	1 1	439 1,754	14,487 1,754	1,207 146
	DODONEA VISCOSA GREEN HOPSEED BUSH	5 GAL TOS	42 1	1 1	632 1,754	16,432 1,754	1,369 146
	SENNA WISLIZENII SHRUBBY SENNA CASSIA	5 GAL TOS	23 2	2 1	405 1,754	9,315 1,754	776 146
	SIMMONDSIA CHINENSIS JOJOBA	5 GAL TOS	30 1	1 1	281 1,754	7,306 1,754	609 146
	SPHAERALCEA AMBIGUA DESERT GLOBE MALLOW	5 GAL TOS	71 1	1 1	39 1,754	2,340 1,754	195 146
ACCENTS & SUCCULENTS	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL TOS	3 1	1 1	1,754 1,754	5,262 1,754	439 146
	AGAVE COLORATA MESCAL CENIZA	5 GAL TOS	52 1	1 1	39 1,754	2,028 1,754	169 146
	AGAVE PARRYI VAR. HUACHUCENSIS HUCHUCA AGAVE	5 GAL TOS	62 2	2 1	57 1,754	1,995 1,754	166 146
	AGAVE VICTORIAE-REGINAE QUEEN VICTORIA AGAVE	5 GAL TOS	85 2	2 1	25 1,754	850 1,754	71 146
	PEPILANTHUS MACROCARPUS SLIPPER FLOWER	5 GAL TOS	63 2	2 1	25 1,754	900 1,754	75 146
	CARNEGIA GIGANTEA SAGUARO	5 GAL TOS	10 1	1 1	2,741 1,754	19,187 1,754	1,599 146
	DASYLIRION WHEELERI DESERT SPOON	5 GAL TOS	39 1	1 1	110 1,754	3,850 1,754	321 146
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL TOS	39 3	3 1	29 1,754	1,363 1,754	114 146
	ECHINOCELEUS SPP. HEDGEHOG CACTUS	5 GAL TOS	75 1	1 1	18 1,754	1,080 1,754	90 146
	EUPHORBIA ANTISYPHILITICA CANDELILLA	5 GAL TOS	170 1	1 1	39 1,754	3,627 1,754	302 146
	EUPHORBIA RIGIDA (NE ONLY) GOPHER PLANT	5 GAL TOS	3 2	2 1	57 1,754	171 1,754	14 146
	FEROCACTUS WISLIZENII FISHHOOK BARREL	5 GAL TOS	104 65	1 1	10 1,754	1,020 1,754	85 54
	FOUQUIERIA SPLENDENS SCOTILLO	5 GAL TOS	9 1	1 1	281 1,754	1,124 1,754	94 422
	JUSTICIA CALIFORNICA CHUPUROSA	5 GAL TOS	44 2	2 1	101 1,754	1,717 1,754	143 146
	OPUNTIA ENGELMANNII LINGUIFORMIS COWS TONGUE PRICKLY PEAR	5 GAL TOS	20 1	1 1	158 1,754	5,214 1,754	435 146
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL TOS	27 1	1 1	158 1,754	15,484 1,754	1,290 146
	OPUNTIA MICRODASYS 'YELLOW' YELLOW BUNNY EARS PRICKLY PEAR	5 GAL TOS	111 1	1 1	158 1,754	5,214 1,754	435 146
	OPUNTIA VIOLACEA 'SANTA RITA' SANTA RITA PRICKLY PEAR	5 GAL TOS	27 1	1 1	158 1,754	948 1,754	79 146
	SALVIA GREGGII (NE ONLY) AUTUMN SAGE	5 GAL TOS	6 2	2 1	57 1,754	342 1,754	29 146
	YUCCA ELATA SOAP TREE YUCCA	5 GAL TOS	1 1	1 1	281 1,754	281 1,754	23 146
INERT GROUND COVER	YUCCA RIGIDA BLUE TREE YUCCA	5 GAL TOS	37 1	1 1	110 1,754	4,070 1,754	339 146
	DECOMPOSED GRANITE 1/4" MINUS. NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 1" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL AT SEATING NODES. (SEE LS PLANS.)						
	1/2" SCREENED ROCK NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL IN ACCENT AREAS, PEDESTRIAN CORRIDOR, AMENITY PLANTING BEDS, & NEAR ENTRY TO LEASING CENTER (SEE LS PLANS.)						
	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. 2" MINIMUM THICKNESS ALL LANDSCAPE AREAS. INSTALL TO REFURBISH PROJECT DISTURBED RIGHT-OF-WAY LANDSCAPE.						
	RIP RAP NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. INSTALL AT ENTRY TO LEASING CENTER, ENTRY TO FIREPIT, SITE MONUMENTS, AND OTHER NOTABLE LOCATIONS (SEE LS PLANS.)						
	DESERT COBBLE 25% MIX AND HYDROSEED MIX #1 (SEE SHEET LS-4 FOR DETAILS.) NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 25% WITH HYDROSEED LANDSCAPE APPLICATION. (INCLUDES COMMON AREAS, PARKING ISLANDS, LANDSCAPE BUFFER YARD, & INTERNAL RAINWATER HARVESTING BASINS)						
	DESERT COBBLE MIX 100% NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER. APPLY AT 100% IN FOUNDATION LANDSCAPE (LANDSCAPE SURROUNDING BASE OF BUILDINGS AS NOTED ON PLANS.)						
	BOULDERS: BUILDER TO USE EXISTING SITE BOULDERS. SURFACE SELECT ADDITIONAL TO SUPPLEMENT AS NEEDED.						
	SMALL (2X3) 77 LARGE (3X4) 54						

RIGHT-OF-WAY PLANT SCHEDULE

	BOTANICAL NAME COMMON NAME	SIZE	QTY	WATER USE TYPE	ADWR USE AT MATURITY (GAL)	ANNUAL WATER USE (GAL)	MONTHLY WATER USE (GAL)
ACCENTS & SUCCULENTS	AGAVE COLORATA MESCAL CENIZA	5 GAL TOS	6 1	1 1	39 1,754	234 1,754	20 146
	ALOPE X BLUE ELF BLUE ELF ALOPE	5 GAL TOS	10 2	2 1	912 1,754	9,120 1,754	760 146
	CARNEGIA GIGANTEA SAGUARO	5 GAL TOS	4 1	1 1	2,741 1,754	16,446 1,754	1,371 146
	ECHINOCACTUS GRUSONII GOLDEN BARREL	5 GAL TOS	5 3	3 1	29 1,754	145 1,754	12 146
	EUPHORBIA ANTISYPHILITICA CANDELILLA	5 GAL TOS	6 1	1 1	39 1,754	234 1,754	20 146
	EUPHORBIA RESINIFERA MOROCCAN MOUND	5 GAL TOS	6 1	1 1	39 1,754	234 1,754	20 146
	OPUNTIA MACROCENTRA BLACK SPINE PRICKLY PEAR	5 GAL TOS	6 1	1 1	158 1,754	948 1,754	79 146

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 #1 NO TREES (FOR USES INTERNAL TO THE PROJECT)

SHRUB			
AMBROSIA DELTOIDEA	TRIANGLE LEAF BURSAGE	4	PLS/ACRE
ATRIPLEX CANESCENS	SALT BUSH	3	PLS/ACRE
CALLIANDRA EROPHYLLA	NATIVE FAIRY DUSTER	2	PLS/ACRE
ENCELIA FARINOSA	BRITTLEBUSH	3	PLS/ACRE
LARREA TRIDENTATA	CREOSOTE	2	PLS/ACRE

SMALL PERENNIALS			
CASSIA COVESII	DESERT SENNA	2	PLS/ACRE

ANNUAL HERBS AND GRASSES			
SPHAERALCEA AMBIGUA	DESERT GLOBE MALLOW	2	PLS/ACRE
PENSTEMON PARRYI	PARRY'S PENSTEMON	1	PLS/ACRE
ESCHSCHOLTZIA MEXICANA	MEXICAN POPPY	1	PLS/ACRE

TOTAL 20 PLS/ACRE

HYDROSEED MIX #2 EXTERNAL WITH TREES (FOR USE ALONG EXTERNAL WESTERN & SOUTHERN PROJECT BOUNDARIES)

NOTE: HYDROSEED MIX #2 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
SPOROBOLUS 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
KALLSTROEMIA GRANDIFLORA	ARIZONA POPPY	2	PLS/ACRE
LUPINUS SPARSIFLORUS	DESERT LUPINE	1	PLS/ACRE
PENSTEMON PARRYI	PARRY'S PENSTEMON	1	PLS/ACRE

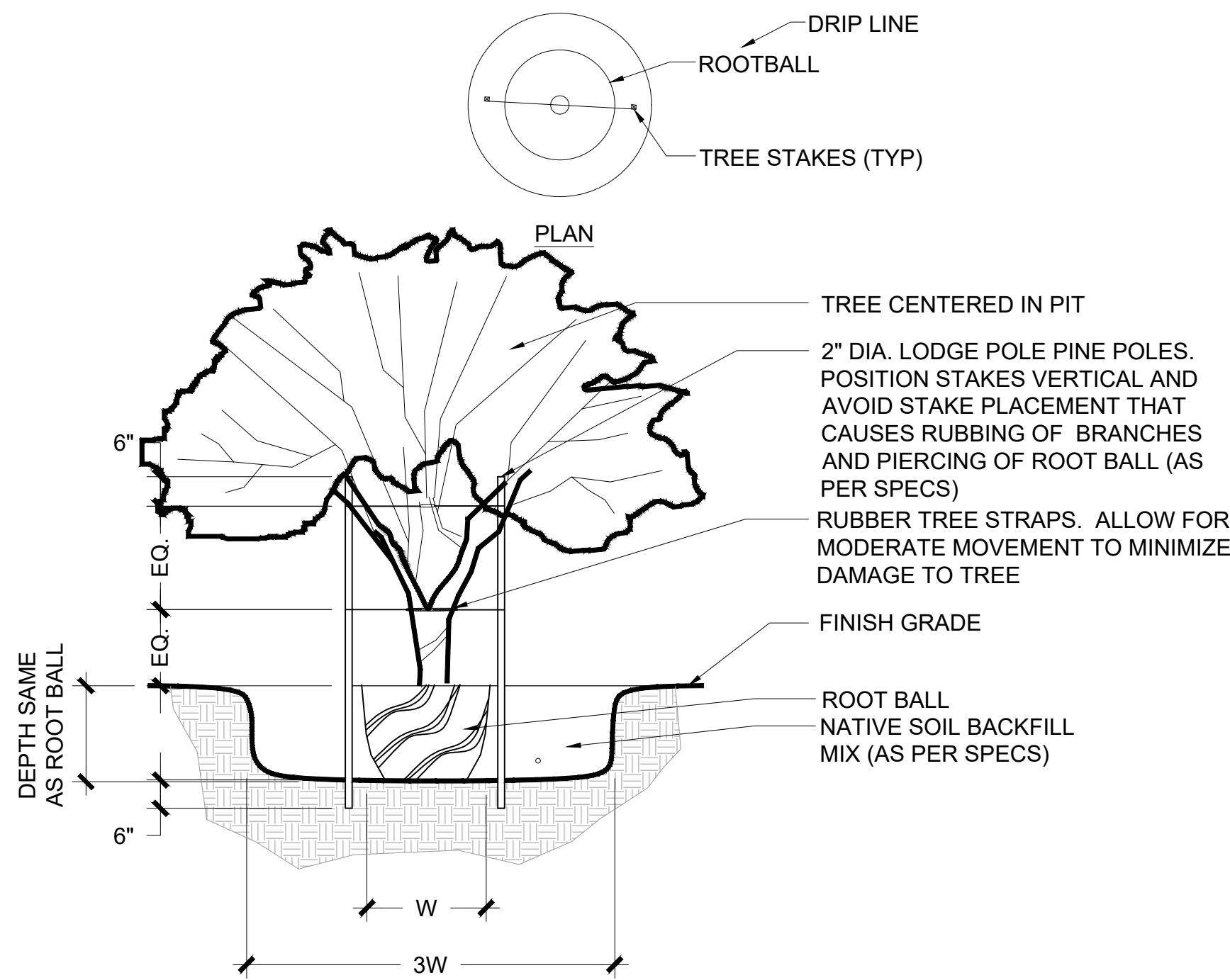
TOTAL 27 PLS/ACRE

#	REVISIONS/SUBMITTALS	DATE

LANDSCAPE NOTES

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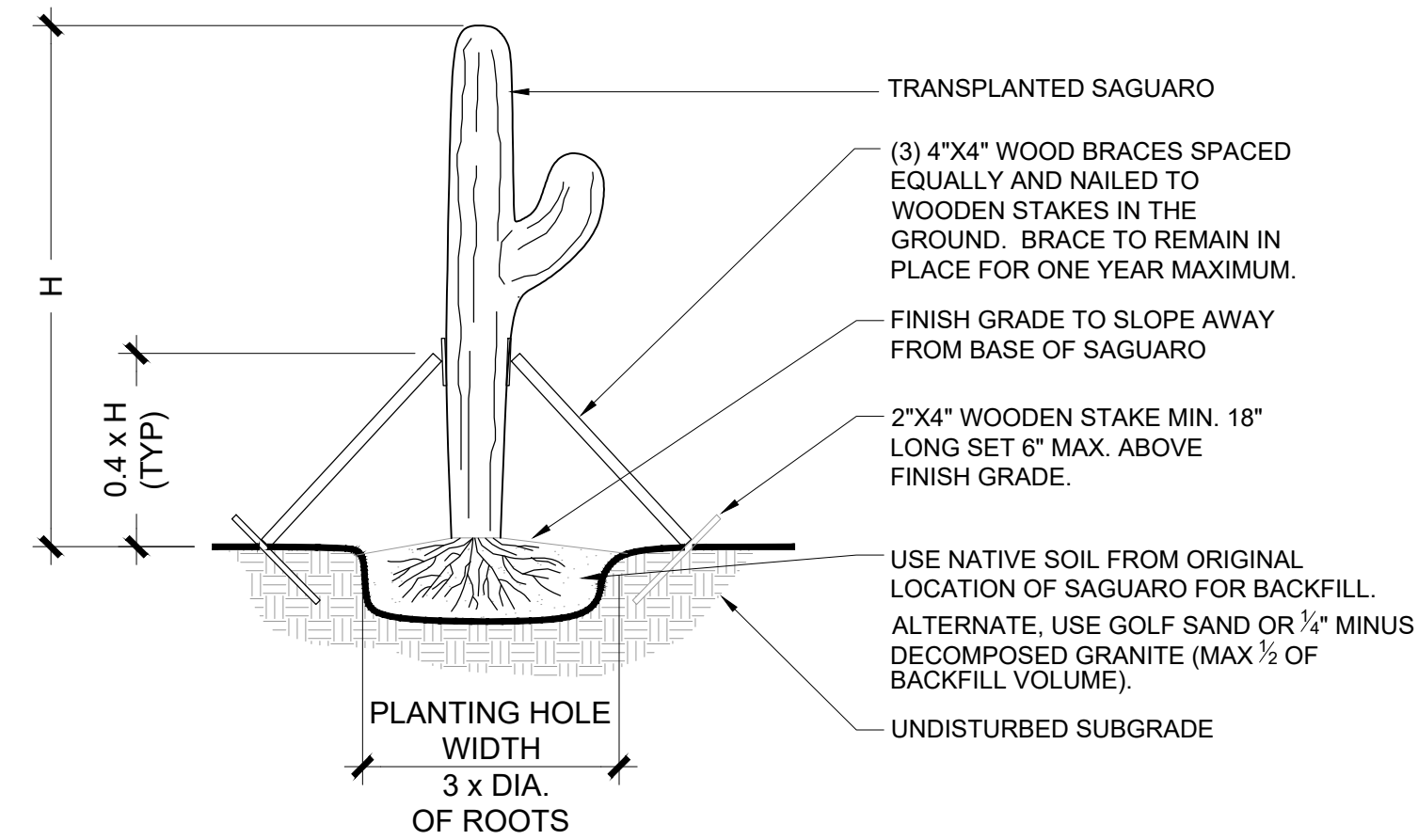




- NOTES:
1. MARK THE NORTH SIDE OF THE TREE IN THE FIELD BEFORE TRANSPLANTING, AND WHEN TRANSPLANTING ROTATE THE TREE TO FACE NORTH, WHENEVER POSSIBLE.
 2. STAKING SHALL BE CONSTRUCTED SO TRUNK HAS FLEXIBILITY.
 3. SUFFICIENT CLEARANCE SHALL BE MAINTAINED BETWEEN PLANTS AND UTILITY FACILITIES SO AS TO 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

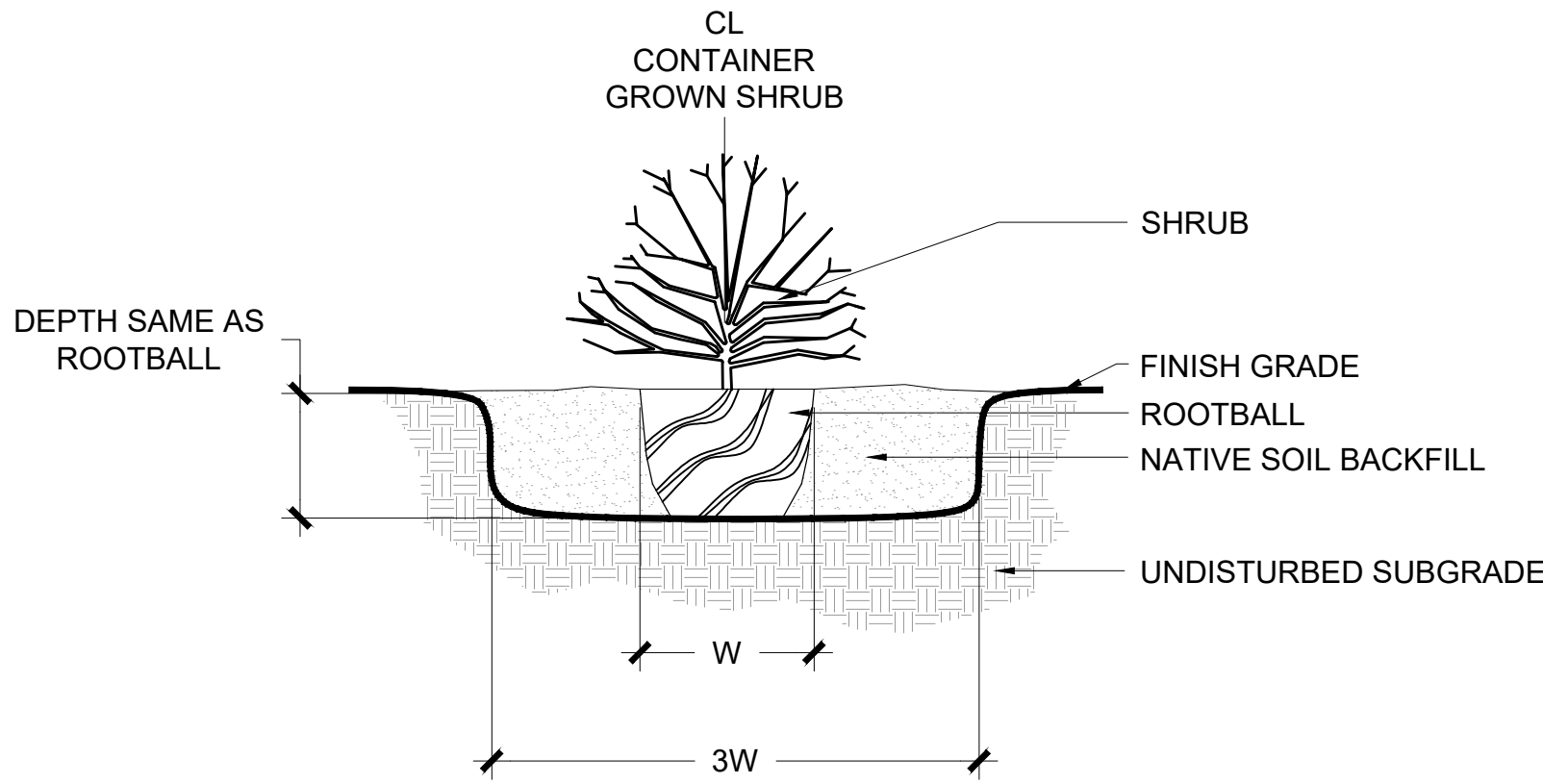
NTS



- 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

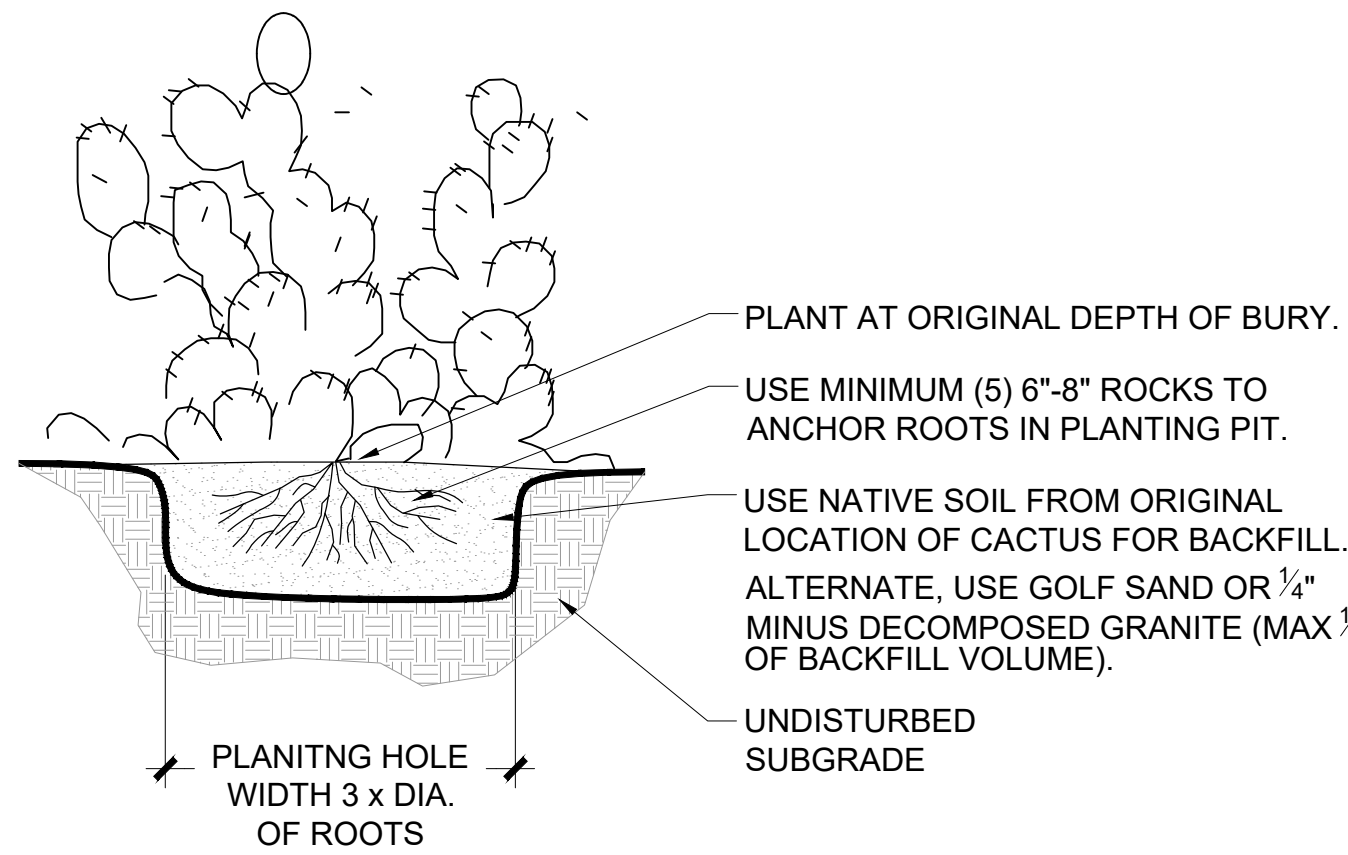
NTS



- 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

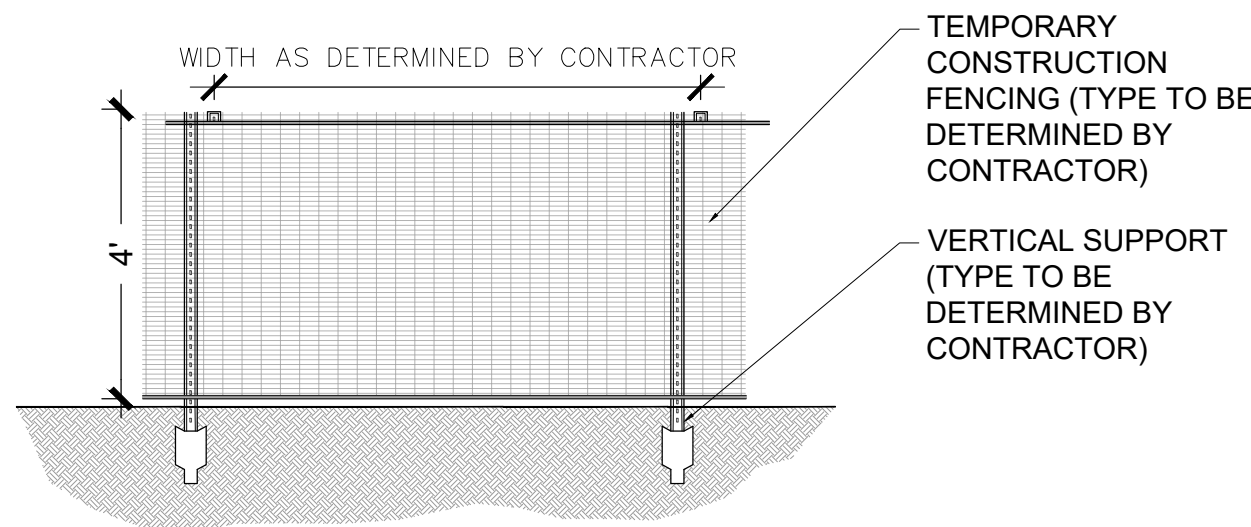
SCALE: NTS



- 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

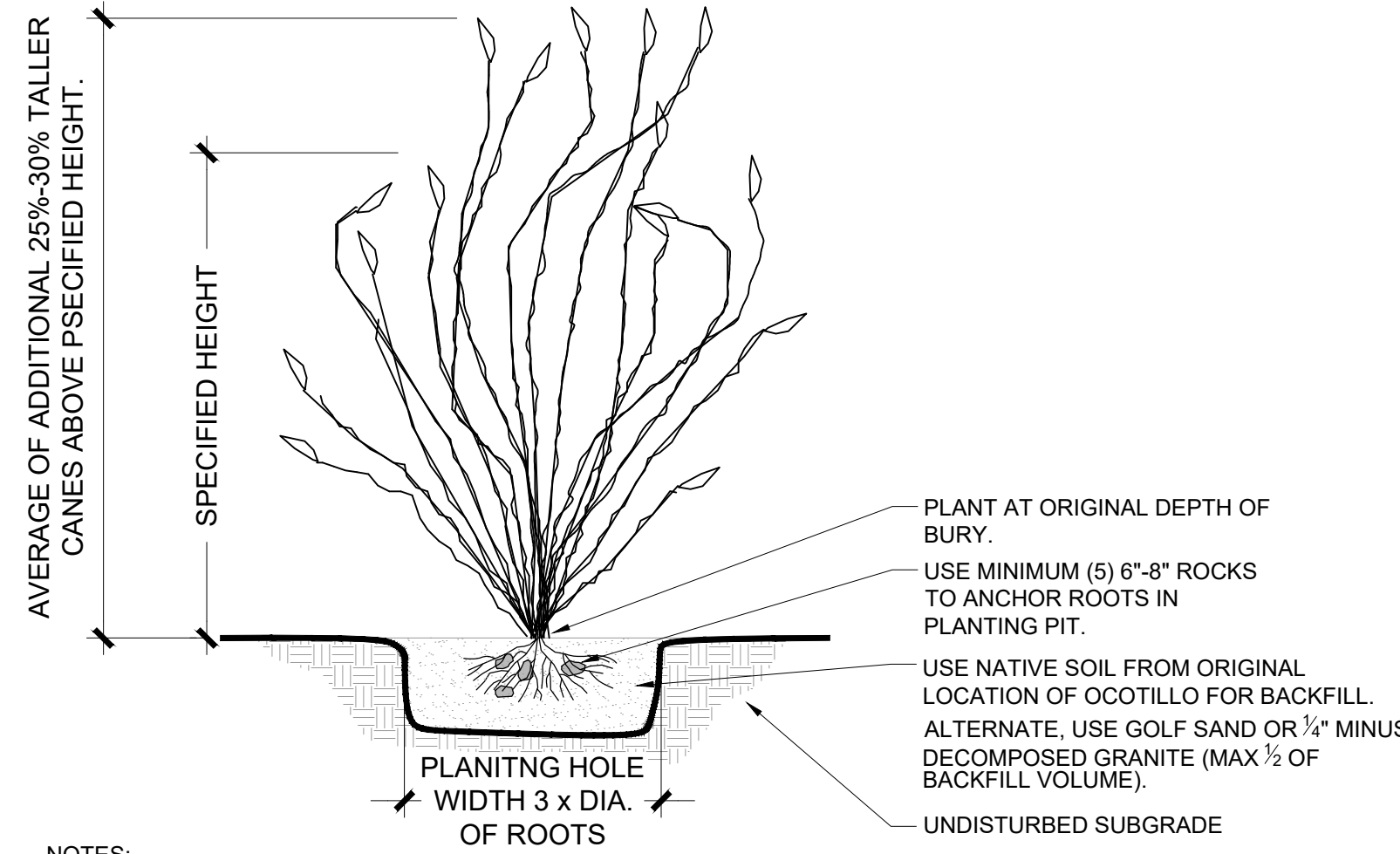
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- NOTES:
1. TEMPORARY CONSTRUCTION FENCING TO BE PLACED AT LIMITS OF GRADING TO PROTECT EXISTING VEGETATION.

7 TEMPORARY CONSTRUCTION FENCE DETAIL

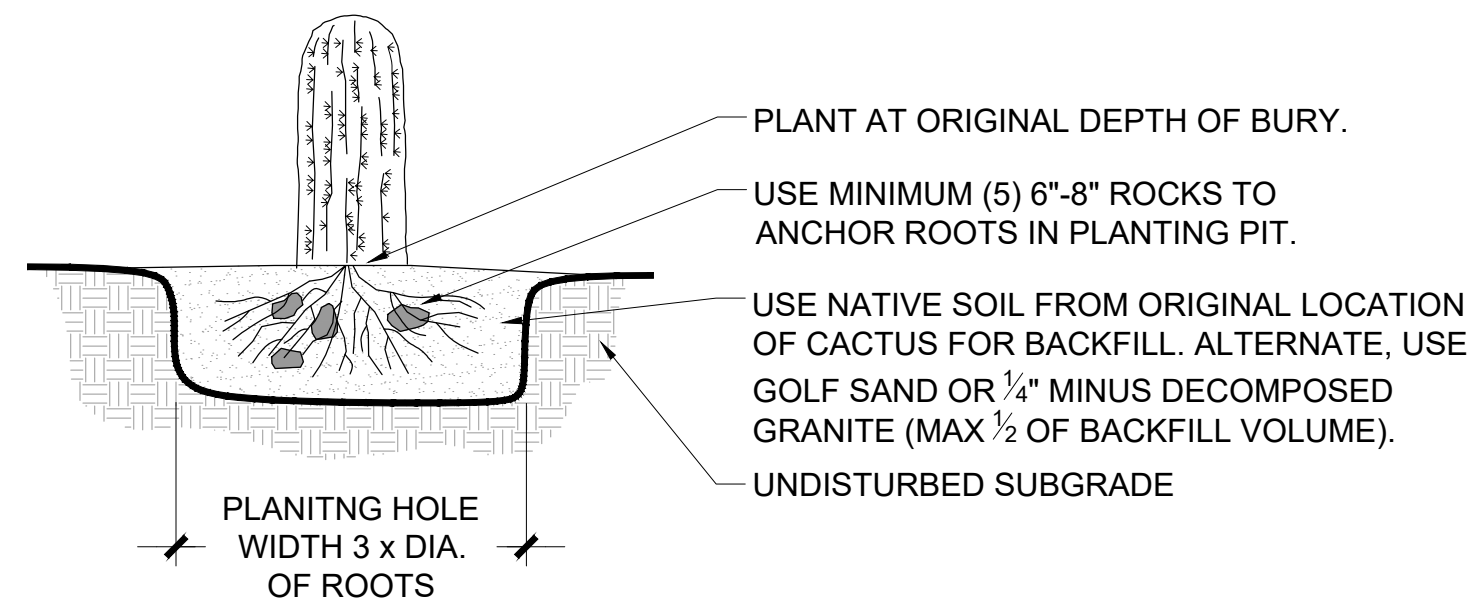
SCALE: NTS



- 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 OCOTILLO BECOMES UNSTABLE DUE TO WIND, RAIN, OVER WATERING, OR ANY OTHER REASON.

3 OCOTILLO PLANTING

NTS



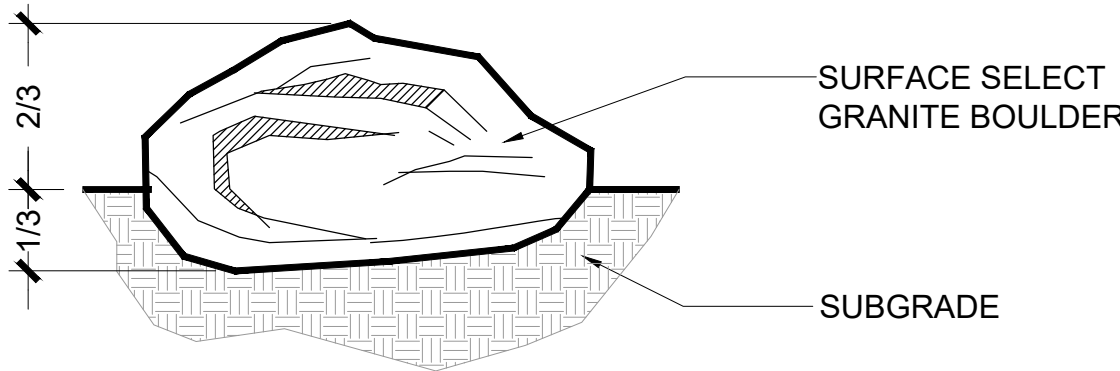
- NOTES:
1. ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS & DUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULFUR (1.5 MIN) AND STREPTOMYCIN SPRAY AT PLANTING SITE. ROOTBALL SHALL BE 24" MIN WITH A MINIMUM ROOT LENGTH OF 6" ALL SIDES.
 2. WATER WITH INSTALLATION AND WATER WEEKLY UNTIL MONSOONS ARRIVE IF TRANSPLANTED 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

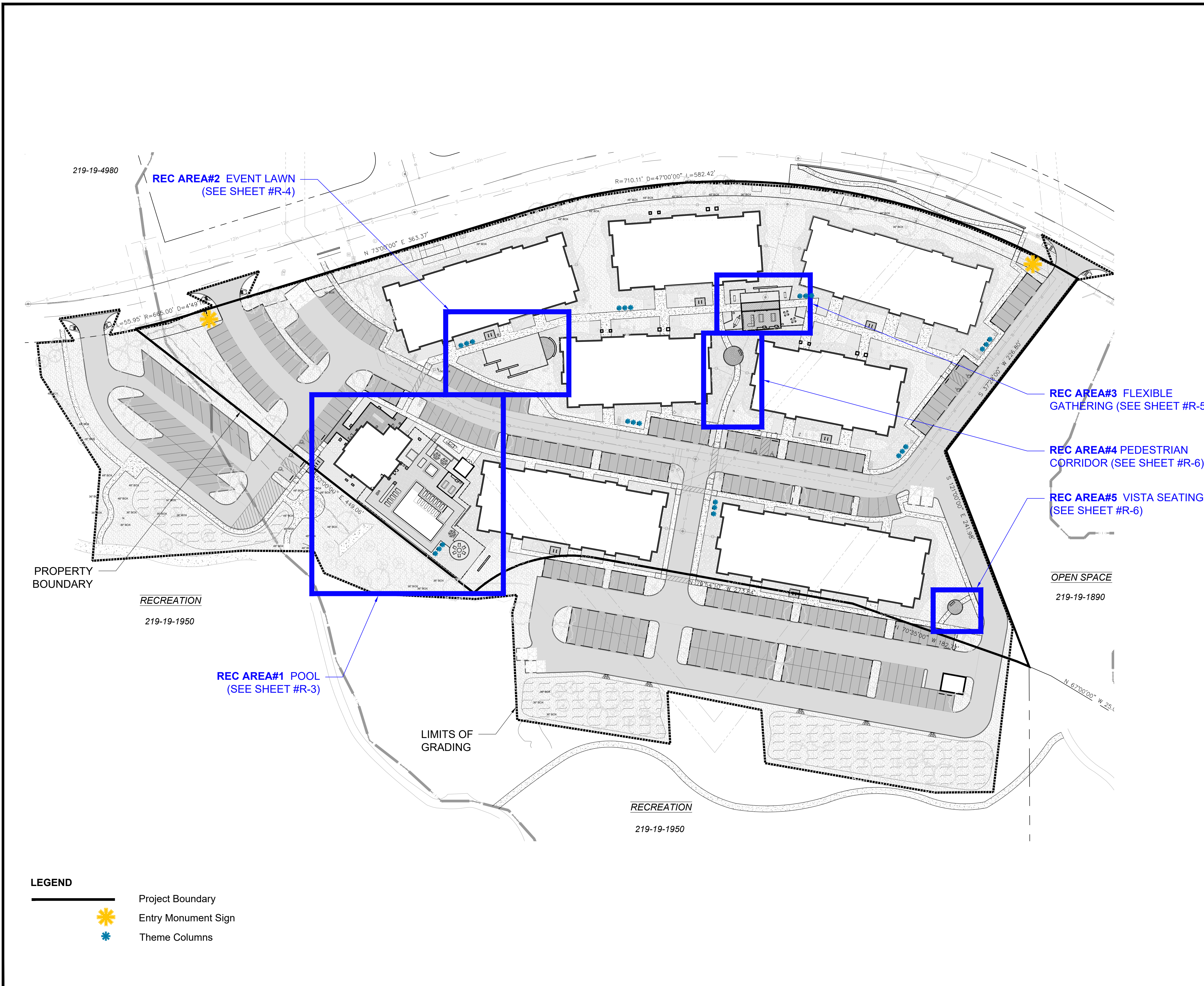
ALL BOULDERS TO BE SURFACE SELECT, FREE FROM SCARS, CHIPS AND ABRASIONS. LANDSCAPE CONTRACTOR TO TREAT ALL DEFECTS WITH 'EONITE' TO PROVIDE A WEATHERED, NATURAL APPEARANCE.

DEPRESS BOULDER MASS 1/3 BELOW GRADE AS SHOWN.



8 BOULDER PLACEMENT

NTS



RECREATION AREA NOTES
TOTAL RECREATION AREA PROVIDED (SQUARE FEET):
AREA#1 - POOL: 21,536 SF
AREA#2 - EVENT LAWN: 4,699 SF
AREA#3 - FLEXIBLE GATHERING: 4,931 SF
AREA#4 - PEDESTRIAN CORRIDOR: 4,530 SF
AREA#5 - VISTA SEATING: 965 SF

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

THIS SHEET

RECREATION AREA DESCRIPTIONS
RECREATION AREA#1: POOL
THE POOL AMENITY AREA IS LOCATED WITHIN THE OUTDOOR SPACE BEHIND THE SITE COMMUNITY CENTER. THE SPACE PROVIDES AMENITIES FOR SWIMMING, OUTDOOR DINING, LOUNGING, AND SOCIAL GATHERING DAY WITH DAYTIME AND NIGHTTIME ACTIVITY SPACES. THE SURROUNDING FENCELINE IS MEANT TO BE OPEN TO THE NATURAL VIEWS TO THE SOUTH AND SOUTHEAST.

- AMENITIES**
POOL/SPA
FIRE PIT
RAMADA
OUTDOOR KITCHEN COUNTER/GRILL
PICNIC TABLES
DECK & POOL LOUNGE SEATING
SHADED DINING TABLES
OUTDOOR ACTIVITY AREA (I.E. PING PONG)

RECREATION AREA#2: EVENT LAWN
AN AREA OF SYNTHETIC TURF IS PROVIDED FOR OUTDOOR EVENTS & ENTERTAINMENT SPACE LOCATED IN THE TRIANGULAR SPACE BETWEEN THE NORTHWEST BUILDING, WEST CENTRAL BUILDING, AND PARKING.

- AMENITIES**
LAWN
SEAT WALLS
PRIVACY SEATING

RECREATION AREA#3: FLEXIBLE GATHERING
A SPACE PROVIDING FLEXIBLE DINING, OUTDOOR ACTIVITIES, RELAXATION, & SOCIAL GATHERING IS LOCATED AT THE INTERSECTION BETWEEN THE CENTRAL AND NORTH/NORTHWEST BUILDINGS ACCESSED BY EITHER THE MAIN PEDESTRIAN CORRIDOR AMENITY FROM THE SOUTH OR SITE INTERCONNECTING SIDEWALK EAST/WEST BETWEEN THE BUILDINGS.

- AMENITIES**
RAMADA
OUTDOOR KITCHEN COUNTER/GRILL
WALL MOUNTED TV/SHADED LOUNGE
PICNIC TABLES
OUTDOOR DINING TABLES
CORNHOLE COURT WITH SPECTATOR SEATING (BENCHES, SEAT WALL)
HAMMOCK

RECREATION AREA #4: PEDESTRIAN CORRIDOR
A SHADED PEDESTRIAN CORRIDOR IS OFFERED AS A CENTRALIZED SITE NAVIGATIONAL AMENITY, CONNECTING SOUTH PARKING LOTS TO THE CENTRAL & NORTH BUILDINGS. DENSE VEGETATION AND SHADE TREES LINE THE PATHWAY FOR COMFORT IN THE DESERT HEAT. A PRIVATE SEATING AREA IS PROVIDED FOR RELAXATION AND REFLECTION.

- AMENITIES**
SHADED SIDEWALK
VEGETATED LANDSCAPE
SEATING AREA

RECREATION AREA#5: VISTA SEATING
A SEATING AREA FOR REST AND RELAXATION IS LOCATED AT THE SOUTHEAST CORNER OF THE SITE JUST NORTH OF THE PARKING LOT. A BENCH WITH VEGETATIVE SHADE ALLOWS ONE TO CAPTURE OFFSITE VIEWS OF THE NATURAL OPEN SPACE AND MOUNTAINS TO THE SOUTHEAST.

- AMENITIES**
BENCH
CONNECTING SIDEWALK
VEGETATIVE SHADE

SYNTHETIC TURF INFORMATION
TOTAL RECREATION AREA (SQUARE FEET): 33,343 SF
PROPOSED SYNTHETIC TURF AREA (SQUARE FEET): 3,976 SF
PERCENTAGE OF RECREATION AREA PROPOSED AS SYNTHETIC TURF: 12%

LEGEND

- Project Boundary
- Entry Monument Sign
- Theme Columns

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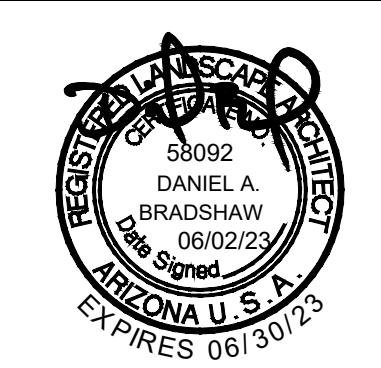
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#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA & HARDSCAPE PLAN

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LANDSCAPE PLAN
RULNEY VISTOSO RESIDENTIAL

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 #
REFERENCE: REF #
R-1
18 OF 28

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 (POOL LOUNGE, FLEX GATHERING SOCIAL AREAS, & EVENT LAWN): MFR. SOUTHWEST GREENS OF TUCSON (swgartificialgrasstucson.com) PRODUCT: BOLT 63 STYLE: GB-134 COLOR: 300 SPRING GREEN
PILE HEIGHT: 1.625 FACE WEIGHT: 63 INSTALL ON ¾" DG OF 3" DEPTH, COMPACTED TO 95%.
SYNTHETIC TURF (CORNHOLE COURT): MFR. SOUTHEST GREENS OF TUCSON (swgartificialgrasstucson.com) PRODUCT: SWG BOCCO PRO STYLE: GB174 COLOR: 301 AMERICAN OLIVE PILE HEIGHT:125 FACE WEIGHT: 31
INSTALL ON ¾" DG OF 3" DEPTH, COMPACTED TO 95%.
2. DECORATIVE PAVER: NEUTRAL DESERT COLOR TO BE DETERMINED BY OWNER.
3. CONCRETE SIDEWALK: STANDARD CONCRETE PAVEMENT (SEE CIVIL PLANS FOR DETAIL)
4. CONCRETE HEADER: SEE DETAIL 2 SHEET LD-3
5. BICYCLE PARKING SURFACE & HEADER: SEE DETAILS 1 & 2 SHEET LD-4
6. RAISED PLANTER: SEE DETAIL 3SHEET LD-3
7. SEAT WALL: SEE DETAILS 5 & 6 SHEET LD-3
8. ENTRY MONUMENT SIGN: SEE DETAIL 5 SHEET LD-4
9. THEME COLUMN: SEE DETAIL 6 SHEET LD-4
10. THEME WALL: SEE DETAIL 3 SHEET LD-4
11. VIEW FENCE: TO BE DETERMINED BY OWNER.
12. GLASS FENCE: TO BE DETERMINED BY OWNER.

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

32. FIRE PIT: SEE DETAIL 1 SHEET LD-6
33. RAMADA: SEE DETAIL 1 SHEET LD-5
34. OUTDOOR KITCHEN COUNTER/GRILL: SEE DETAIL 2 SHEET LD-6
35. PICNIC TABLE: TO BE DETERMINED BY OWNER.
36. SHADED DINING TABLE WITH CHAIRS: TO BE DETERMINED BY OWNER.
37. COFFEE TABLE WITH CHAIRS: TO BE DETERMINED BY OWNER.
38. BACKLESS BENCH: TO BE DETERMINED BY OWNER.
39. HAMMOCK: TO BE DETERMINED BY OWNER.
40. RAMADA LOUNGE CHAIR: TO BE DETERMINED BY OWNER.
41. DECK LOUNGE SEATING AREA (11 CHAIRS): TO BE DETERMINED BY OWNER.
42. POOL LOUNGE SEATING AREA (6 CHAIRS): TO BE DETERMINED BY OWNER
43. SHADED TV/ENTERTAINMENT WALL: SEE DETAIL 4 SHEET LD-4
44. OUTDOOR TELEVISION: TO BE DETERMINED BY OWNER.
45. CORNHOLE COURT: SEE DETAIL 3 SHEET LD-6
46. TRASH RECEPTACLE: COLOR: TO MATCH SITE FURNISHINGS PER OWNER SELECTION.
47. BICYCLE RACK: COLOR: TO MATCH SITE FURNISHINGS PER OWNER SELECTION.

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

70. DECOMPOSED GRANITE: ¾" MINUS. COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
71. 1-2" SCREENED ROCK: SIZE: 1" TO 2". COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
72. *EXISTING RIGHT-OF-WAY SCREENED ROCK: CONTRACTOR TO FIELD VERIFY EXISTING SCREENED ROCK SIZE AND COLOR TO MATCH.
73. DECORATIVE RIP-RAP: SIZE: 2"-6" RIP-RAP. COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
74. BOULDER (2'X3'): SIZE: 2'x3'. COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
75. BOULDER (3'X4'): SIZE: 3'x4'. COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
76. 100% SURFACE COVERAGE DESERT COBBLE DECORATIVE ROCK MIX: (40%) ⅝" SCREENED ROCK + (25%) 1" SCREENED ROCK + (20%) 2" SCREENED ROCK + (15%) 2" TO 4" RIP-RAP. COLOR: CONTRACTOR TO SELECT NEUTRAL DESERT COLOR DETERMINED BY OWNER.
77. 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED: SIZE: 25% SURFACE COVERAGE OF DESERT COBBLE MIX AND 100% HYDROSEED SURFACE COVERAGE (SEE DESERT COBBLE DECORATIVE ROCK MIX.)
COLOR: SEE DESERT COBBLE DECORATIVE ROCK MIX.
78. HYDROSEED MIX #1: FOR USE INTERNAL TO PROJECT BOUNDARY WITHOUT TREES: SEE LANDSCAPE PLAN NOTES SHEET LS-4
79. HYDROSEED MIX #2: FOR USE EXTERNAL TO WESTERN & SOUTHERN PROJECT BOUNDARIES WITH TREES: SEE LANDSCAPE PLAN NOTES SHEET LS-4

* NOTE: EXISTING RIGHT-OF-WAY AT LOCATION NOTED AS RIGHT-OF-WAY LANDSCAPE ON PLAN

KEY NOTES:

HARDSCAPE KEY NOTES

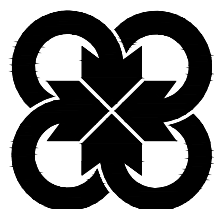
- ① SYNTHETIC TURF
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- ③ CONCRETE SIDEWALK
- ④ CONCRETE HEADER
- ⑤ BICYCLE PARKING SURFACE & HEADER
- ⑥ RAISED PLANTER
- ⑦ SEAT WALL
- ⑧ ENTRY MONUMENT SIGN
- ⑨ THEME COLUMN
- ⑩ THEME WALL
- ⑪ VIEW FENCE
- ⑫ GLASS FENCE

AMENITY & SITE FURNISHING KEY NOTES

- ③0 POOL (DESIGNED AND PERMITTED BY OTHERS)
- ③1 HOT TUB (DESIGNED AND PERMITTED BY OTHERS)
- ③2 FIRE PIT
- ③3 RAMADA
- ③4 OUTDOOR KITCHEN COUNTER/GRILL
- ③5 PICNIC TABLE
- ③6 SHADED DINING TABLE WITH CHAIRS
- ③7 COFFEE TABLE WITH CHAIRS
- ③8 BENCH
- ③9 HAMMOCK
- ④0 RAMADA LOUNGE CHAIR
- ④1 DECK LOUNGE SEATING AREA
- ④2 POOL LOUNGE SEATING AREA
- ④3 SHADED TV/ENTERTAINMENT WALL
- ④4 OUTDOOR TELEVISION
- ④5 CORNHOLE COURT
- ④6 TRASH RECEPTACLE
- ④7 BICYCLE RACK

LANDSCAPE KEY NOTES

- ⑦0 DECOMPOSED GRANITE
- ⑦1 1-2" SCREENED ROCK
- ⑦2 EXISTING RIGHT-OF-WAY SCREENED ROCK
- ⑦3 DECORATIVE RIP-RAP
- ⑦4 BOULDER (2'X3')
- ⑦5 BOULDER (3'X4')
- ⑦6 100% DESERT COBBLE DECORATIVE ROCK MIX
- ⑦7 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
- ⑦8 HYDROSEED MIX #1 INTERNAL TO SITE BOUNDARY WITHOUT TREES
- ⑦9 HYDROSEED MIX #2 EXTERNAL TO SITE BOUNDARY WITH TREES



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RECREATION AREA & HARDSCAPE
PLAN NOTES

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LANDSCAPE PLAN
RULNEY VISTOSO RESIDENTIAL

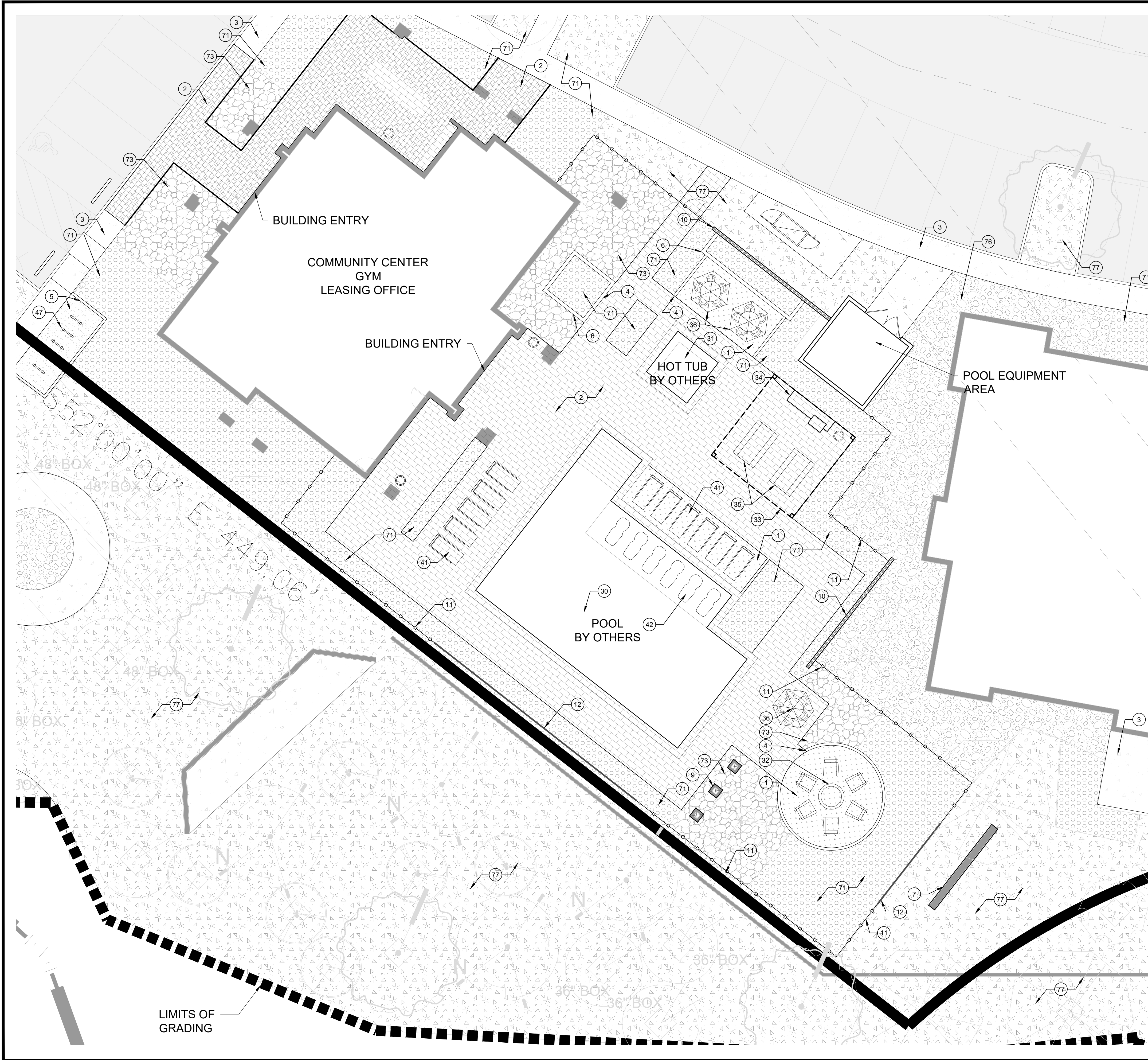
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R-2
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RECREATION AREA #1 POOL

KEY NOTES:

HARDSCAPE KEY NOTES

- 1 SYNTHETIC TURF
- 2 DECORATIVE PAVER
- 3 CONCRETE SIDEWALK
- 4 CONCRETE HEADER
- 5 BICYCLE PARKING SURFACE & HEADER
- 6 RAISED PLANTER
- 7 SEAT WALL
- 8 ENTRY MONUMENT SIGN
- 9 THEME COLUMN
- 10 THEME WALL
- 11 VIEW FENCE
- 12 GLASS FENCE

AMENITY & SITE FURNISHING KEY NOTES

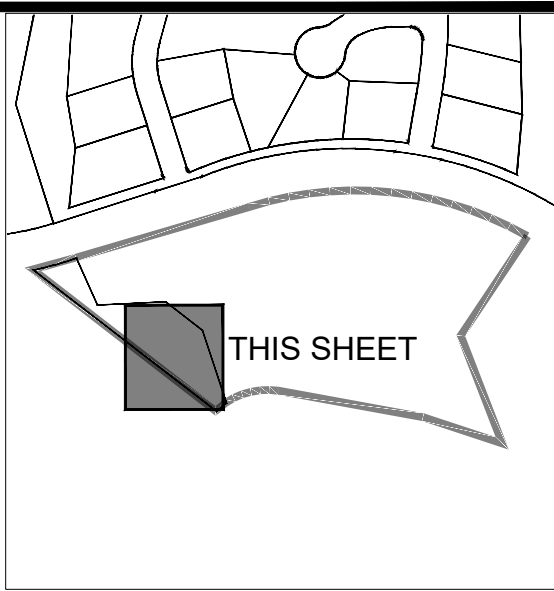
- 30 POOL (DESIGNED AND PERMITTED BY OTHERS)
- 31 HOT TUB (DESIGNED AND PERMITTED BY OTHERS)
- 32 FIRE PIT
- 33 RAMADA
- 34 OUTDOOR KITCHEN COUNTER/GRILL
- 35 PICNIC TABLE
- 36 SHADED DINING TABLE WITH CHAIRS
- 37 COFFEE TABLE WITH CHAIRS
- 38 BENCH
- 39 HAMMOCK
- 40 RAMADA LOUNGE CHAIR
- 41 DECK LOUNGE SEATING AREA (11 CHAIRS)
- 42 POOL LOUNGE SEATING AREA (6 CHAIRS)
- 43 SHADED TV/ENTERTAINMENT WALL
- 44 OUTDOOR TELEVISION
- 45 CORNHOLE COURT
- 46 TRASH RECEPTACLE
- 47 BICYCLE RACK

LANDSCAPE KEY NOTES

- 70 DECOMPOSED GRANITE
- 71 1-2" SCREENED ROCK
- 72 EXISTING RIGHT-OF-WAY SCREENED ROCK
- 73 DECORATIVE RIP-RAP
- 74 BOULDER (2'X3')
- 75 BOULDER (3'X4')
- 76 100% DESERT COBBLE DECORATIVE ROCK MIX
- 77 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
- 78 HYDROSEED MIX #1 INTERNAL TO SITE BOUNDARY WITHOUT TREES
- 79 HYDROSEED MIX #2 EXTERNAL TO SITE BOUNDARY WITH TREES

LEGEND HARDSCAPE & GROUNDCOVER

- Decomposed Granite
- 1-2" Screened Rock
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers
- Concrete Sidewalk
- Synthetic Turf
- Entry Monument Sign
- Site Theme Columns/Wall/Screen Accents
- Project Boundary



KEY MAP



RECREATION AREA #1



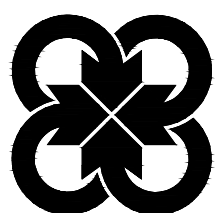
LANDSCAPE PLAN RULNEY VISTOSO RESIDENTIAL

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 #

REFERENCE:
REF #

R-3
20 OF 28



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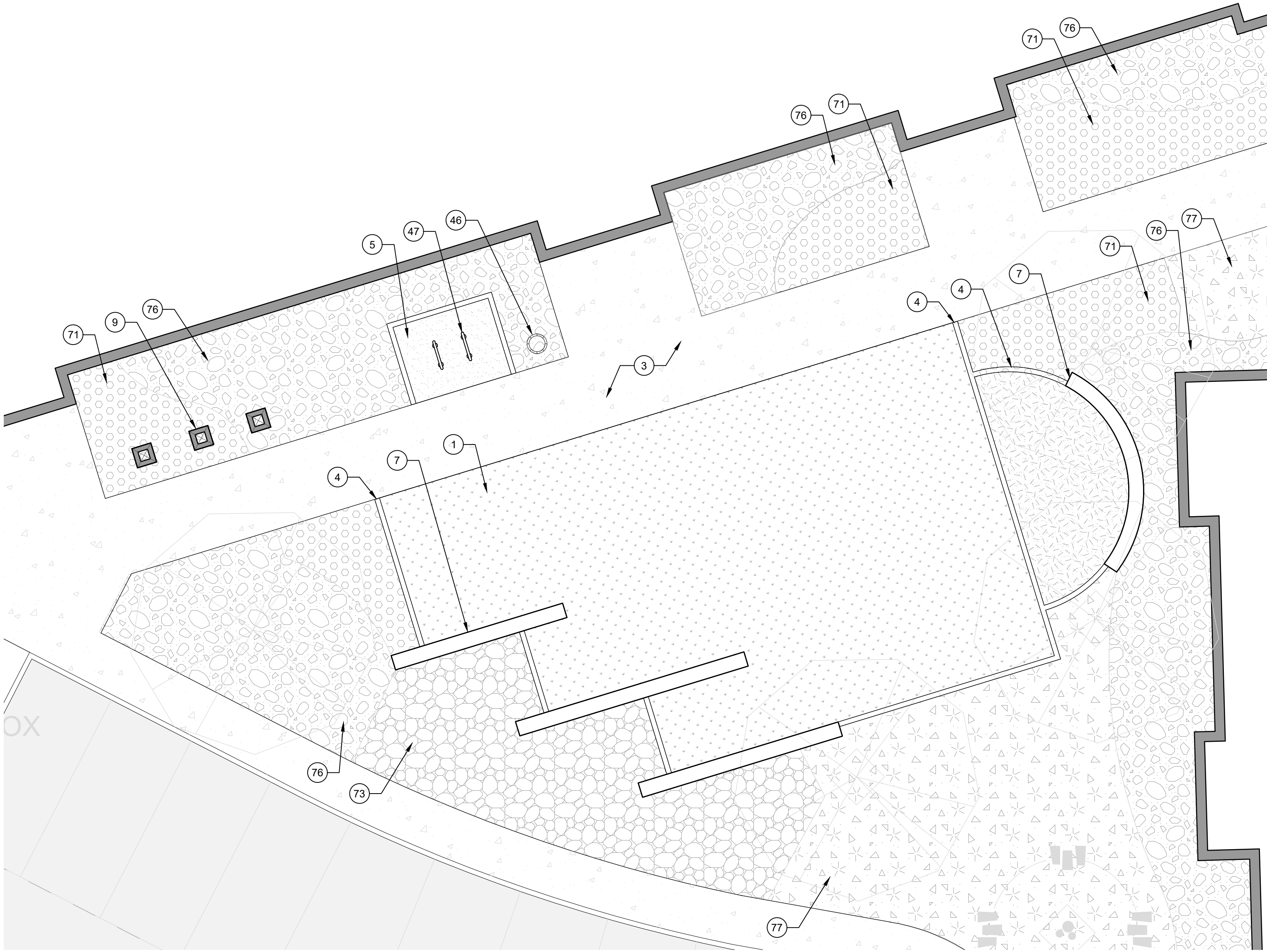
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RECREATION AREA #2 EVENT LAWN



KEY NOTES:

HARDSCAPE KEY NOTES

- 1 SYNTHETIC TURF
- 2 DECORATIVE PAVER
- 3 CONCRETE SIDEWALK
- 4 CONCRETE HEADER
- 5 BICYCLE PARKING SURFACE & HEADER
- 6 RAISED PLANTER
- 7 SEAT WALL
- 8 ENTRY MONUMENT SIGN
- 9 THEME COLUMN
- 10 THEME WALL
- 11 VIEW FENCE
- 12 GLASS FENCE

AMENITY & SITE FURNISHING KEY NOTES

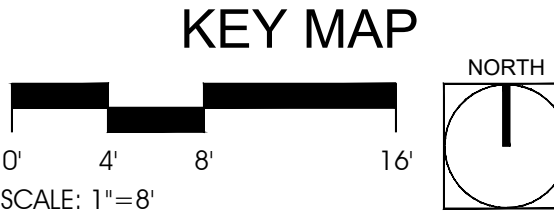
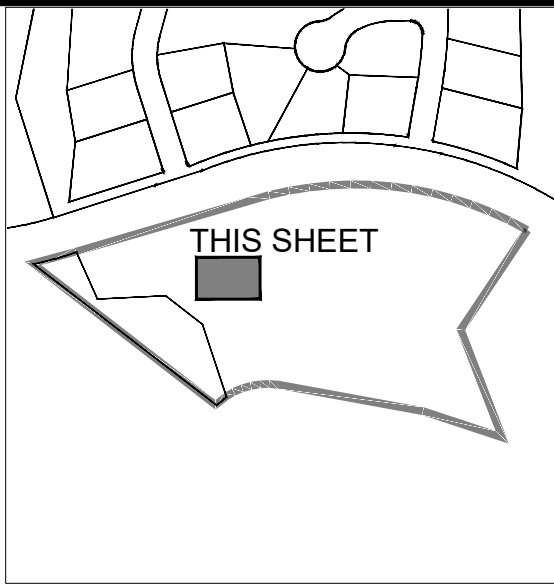
- 30 POOL (DESIGNED AND PERMITTED BY OTHERS)
- 31 HOT TUB (DESIGNED AND PERMITTED BY OTHERS)
- 32 FIRE PIT
- 33 RAMADA
- 34 OUTDOOR KITCHEN COUNTER/GRILL
- 35 PICNIC TABLE
- 36 SHADED DINING TABLE WITH CHAIRS
- 37 COFFEE TABLE WITH CHAIRS
- 38 BENCH
- 39 HAMMOCK
- 40 RAMADA LOUNGE CHAIR
- 41 DECK LOUNGE SEATING AREA (11 CHAIRS)
- 42 POOL LOUNGE SEATING AREA (6 CHAIRS)
- 43 SHADED TV/ENTERTAINMENT WALL
- 44 OUTDOOR TELEVISION
- 45 CORNHOLE COURT
- 46 TRASH RECEPTACLE
- 47 BICYCLE RACK

LANDSCAPE KEY NOTES

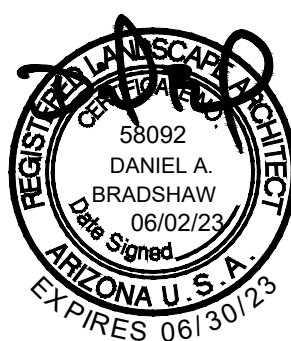
- 70 DECOMPOSED GRANITE
- 71 1-2" SCREENED ROCK
- 72 EXISTING RIGHT-OF-WAY SCREENED ROCK
- 73 DECORATIVE RIP-RAP
- 74 BOULDER (2'X3')
- 75 BOULDER (3'X4')
- 76 100% DESERT COBBLE DECORATIVE ROCK MIX
- 77 25% DESERT COBBLE DECORATIVE ROCK MIX & HYDROSEED
- 78 HYDROSEED MIX #1 INTERNAL TO SITE BOUNDARY WITHOUT TREES
- 79 HYDROSEED MIX #2 EXTERNAL TO SITE BOUNDARY WITH TREES

LEGEND
HARDSCAPE & GROUNDCOVER

- Decomposed Granite
- 1-2" Screened Rock
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers
- Concrete Sidewalk
- Synthetic Turf
- Entry Monument Sign
- Site Theme Columns/Wall/Screen Accents
- Project Boundary



RECREATION AREA #2



LANDSCAPE PLAN
RULNEY VISTOSO RESIDENTIAL

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21 OF 28



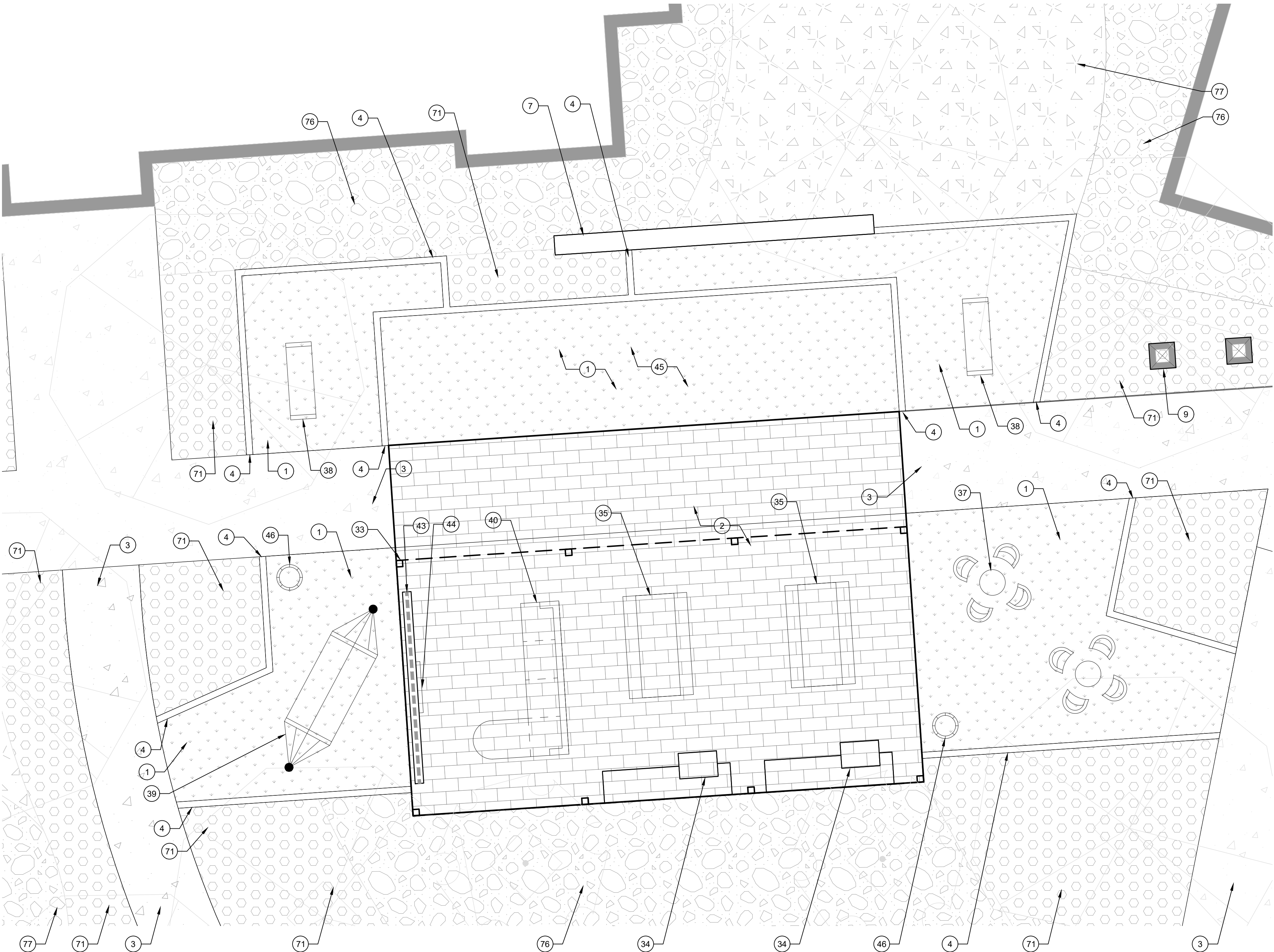
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RECREATION AREA #3 FLEXIBLE GATHERING AREA



KEY NOTES:

HARDSCAPE KEY NOTES

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AMENITY & SITE FURNISHING KEY NOTES

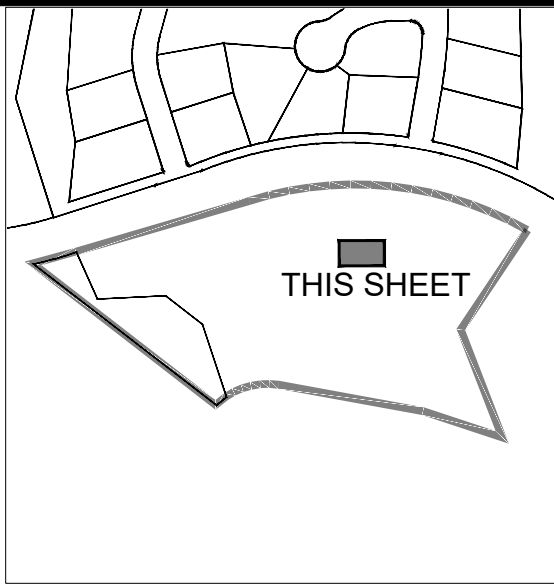
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LANDSCAPE KEY NOTES

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LEGEND
HARDSCAPE & GROUNDCOVER

- Decomposed Granite
- 1-2" Screened Rock
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers
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- Synthetic Turf
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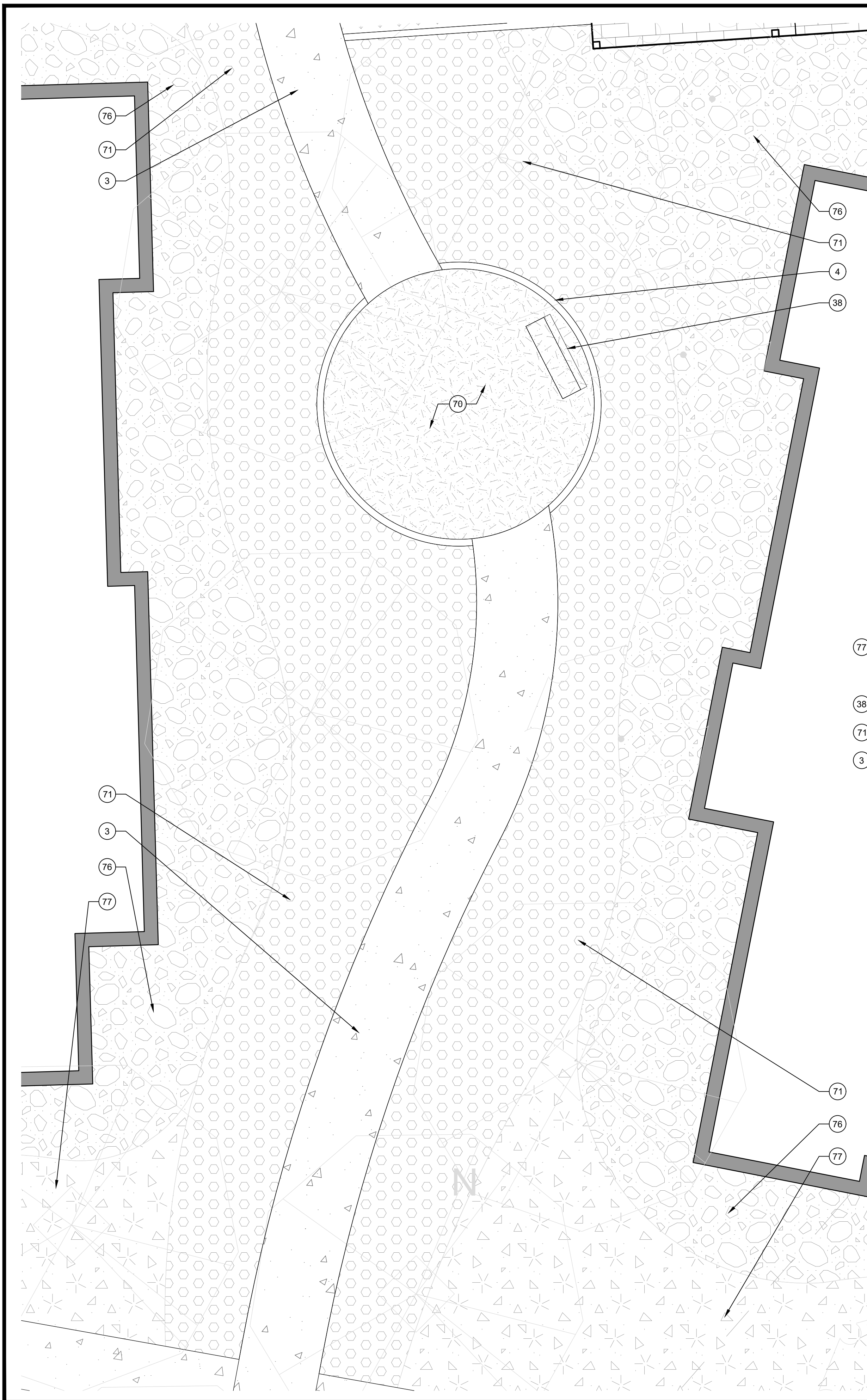


#	REVISIONS/SUBMITTALS	DATE

RECREATION AREA #3

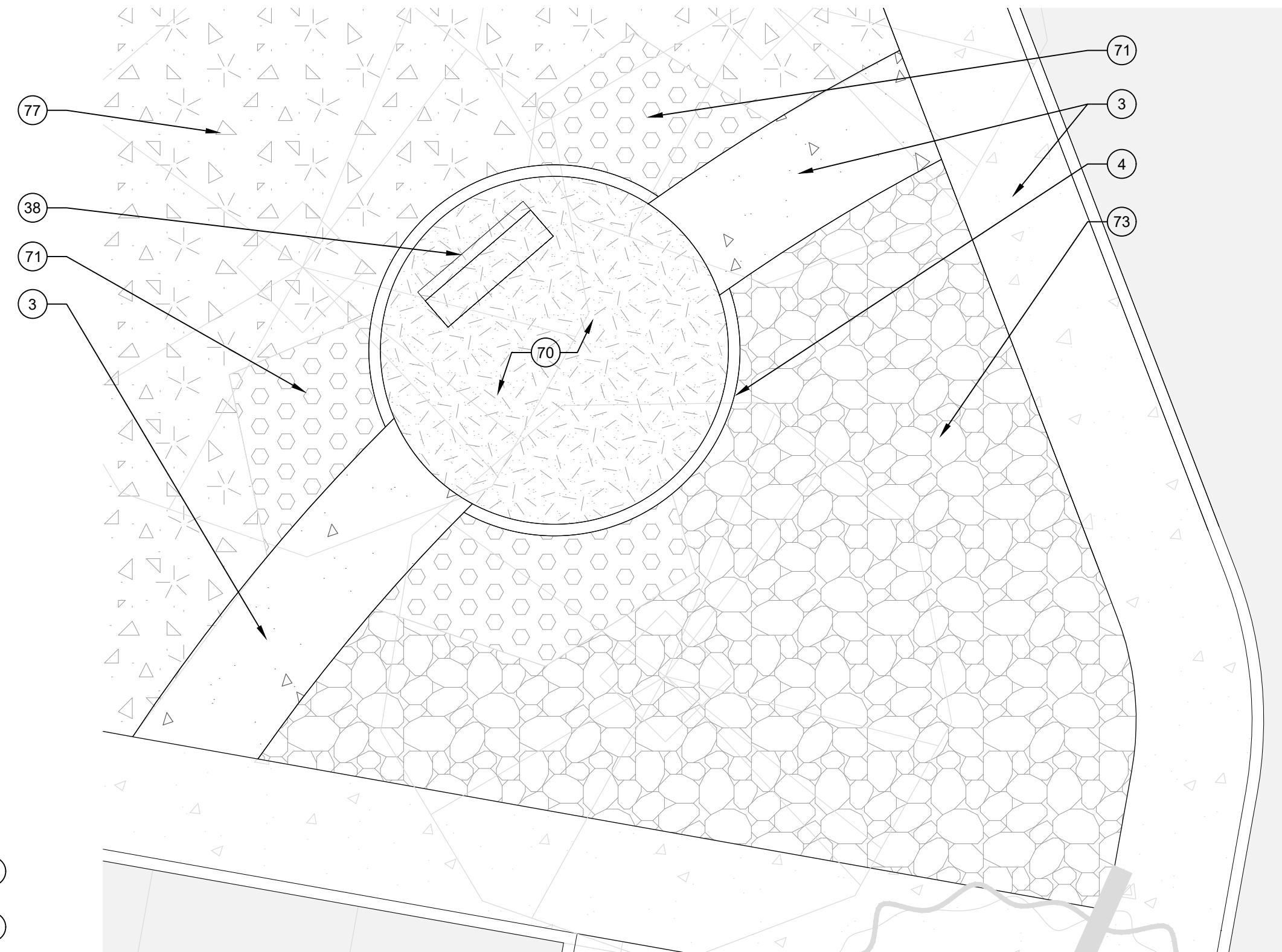
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RECREATION AREA #4 PEDESTRIAN CORRIDOR

RECREATION AREA #5 VISTA SEATING



KEY NOTES:

HARDSCAPE KEY NOTES

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AMENITY & SITE FURNISHING KEY NOTES

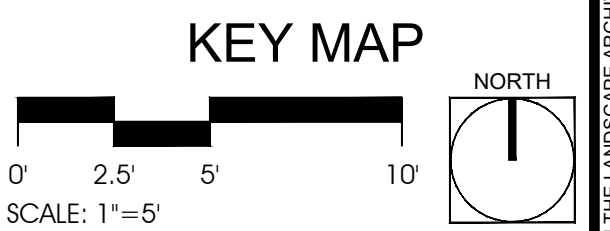
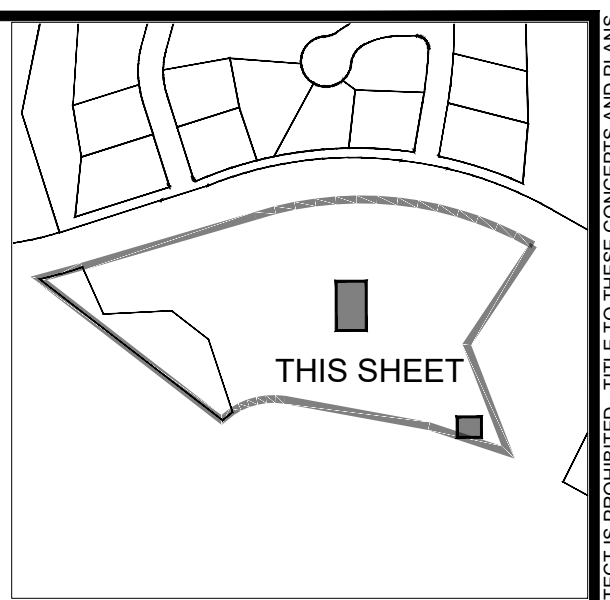
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LEGEND HARDSCAPE & GROUNDCOVER

- Decomposed Granite
- 1-2" Screened Rock
- Right-of-Way Screened Rock
- Rip-Rap
- 25 % Desert Cobble Mix & Hydroseed
- 100% Desert Cobble Mix
- Decorative Pavers
- Concrete Sidewalk
- Synthetic Turf
- Entry Monument Sign
- Site Theme Columns/Wall/Screen Accents
- Project Boundary

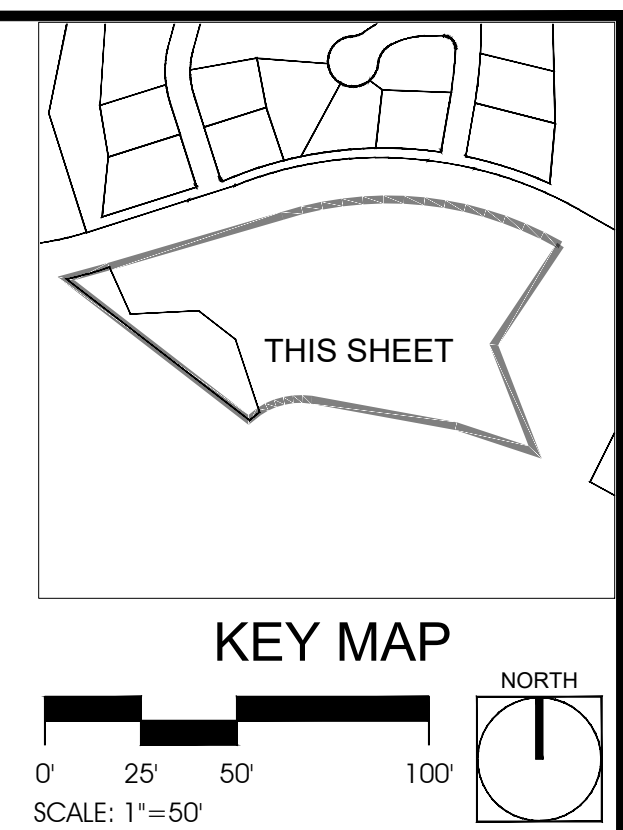


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RECREATION AREAS #4 AND #5

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- HARDSCAPE & GROUNDCOVER**
- Decomposed Granite
 - 1-2" Screened Rock
 - Right-of-Way Screened Rock
 - Rip-Rap
 - 25% Coverage Desert Cobble Mix & 100% Cvg. Hydroseed
 - 100% Coverage Desert Cobble Mix
 - Decorative Pavers
 - Concrete Sidewalk
 - Synthetic Turf
 - Entry Monument Sign
 - Site Theme Columns/Wall/Screen Accents

LEGEND

Project Boundary



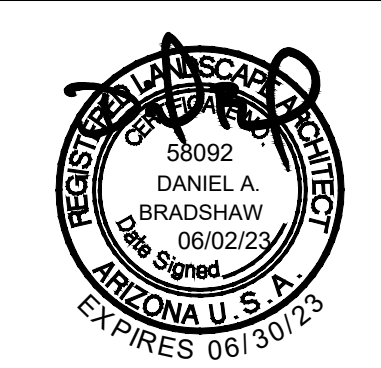
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HARDSCAPE & GROUNDCOVER

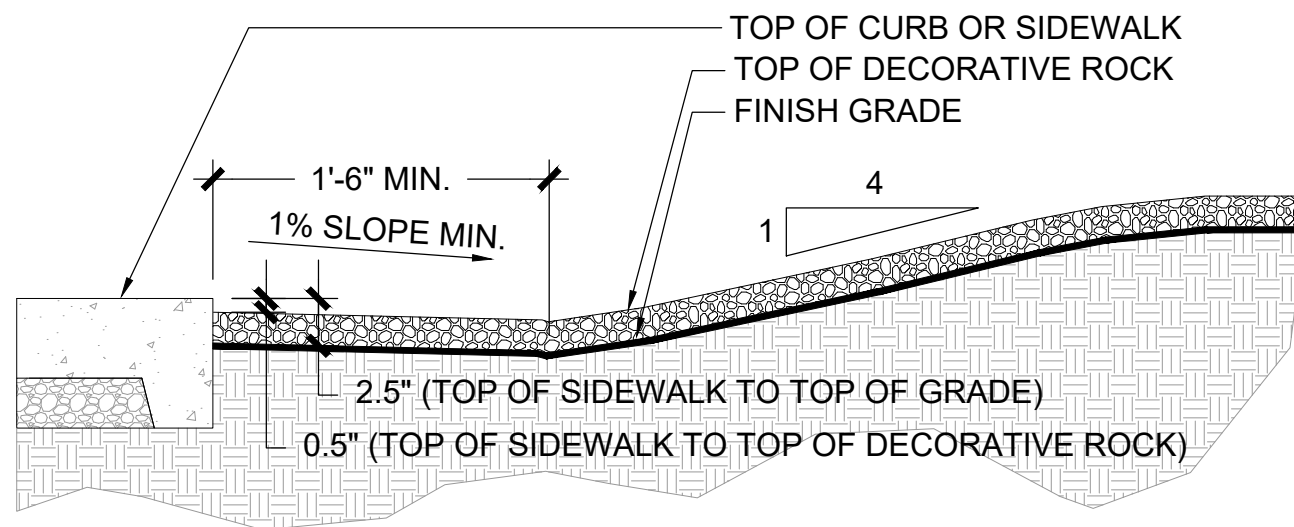
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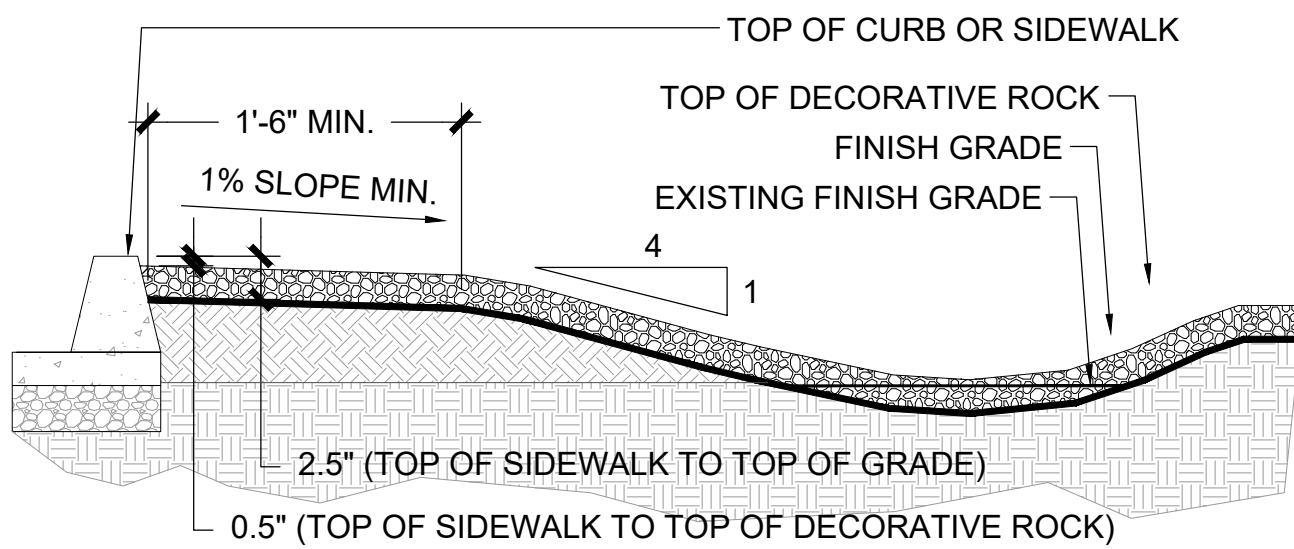
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CASE NO: CASE #
REFERENCE: REF #
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POSITIVE SLOPE (TOWARD HARDSCAPE)

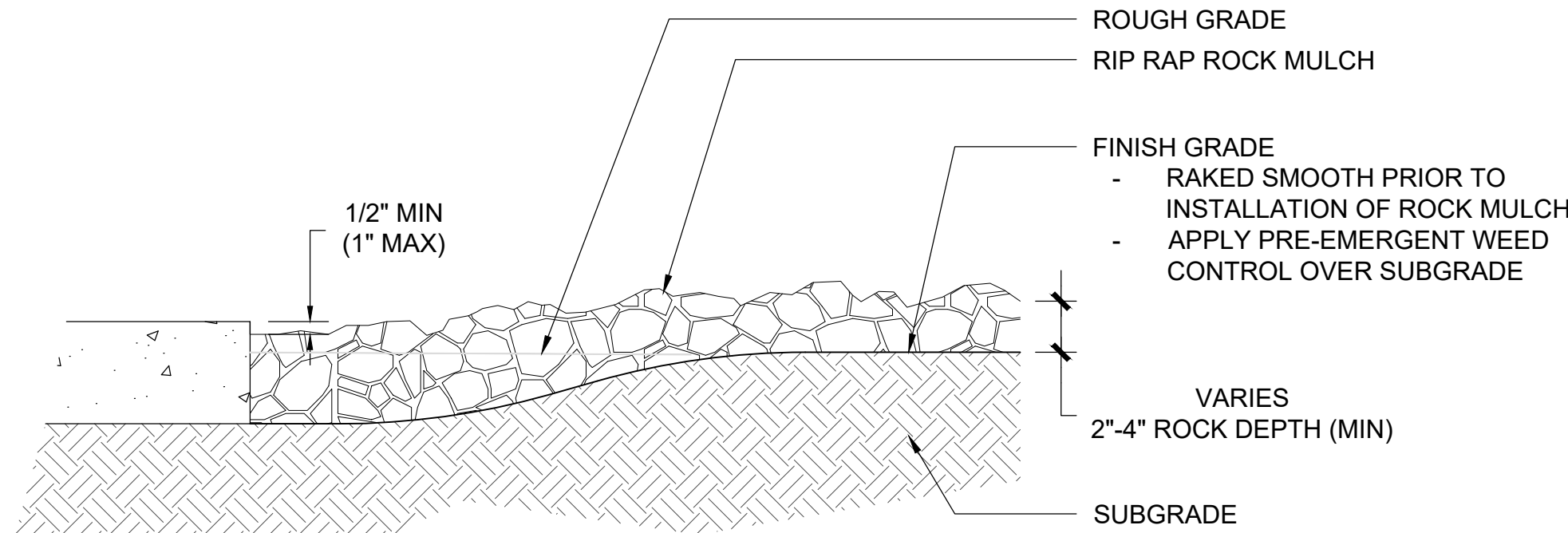


NEGATIVE SLOPE (AWAY FROM HARDSCAPE)

- 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

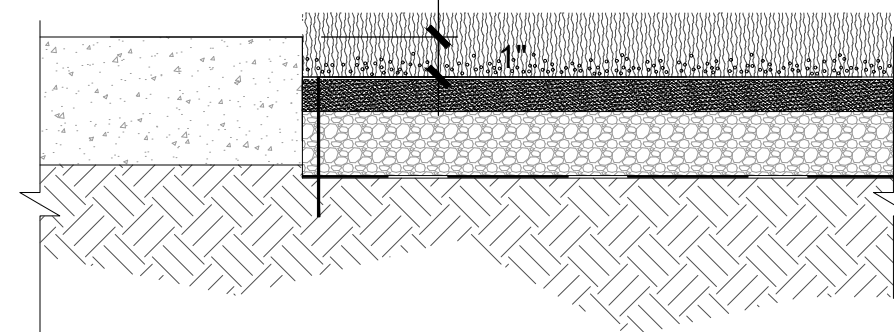
NTS



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

2 RIP RAP MULCH

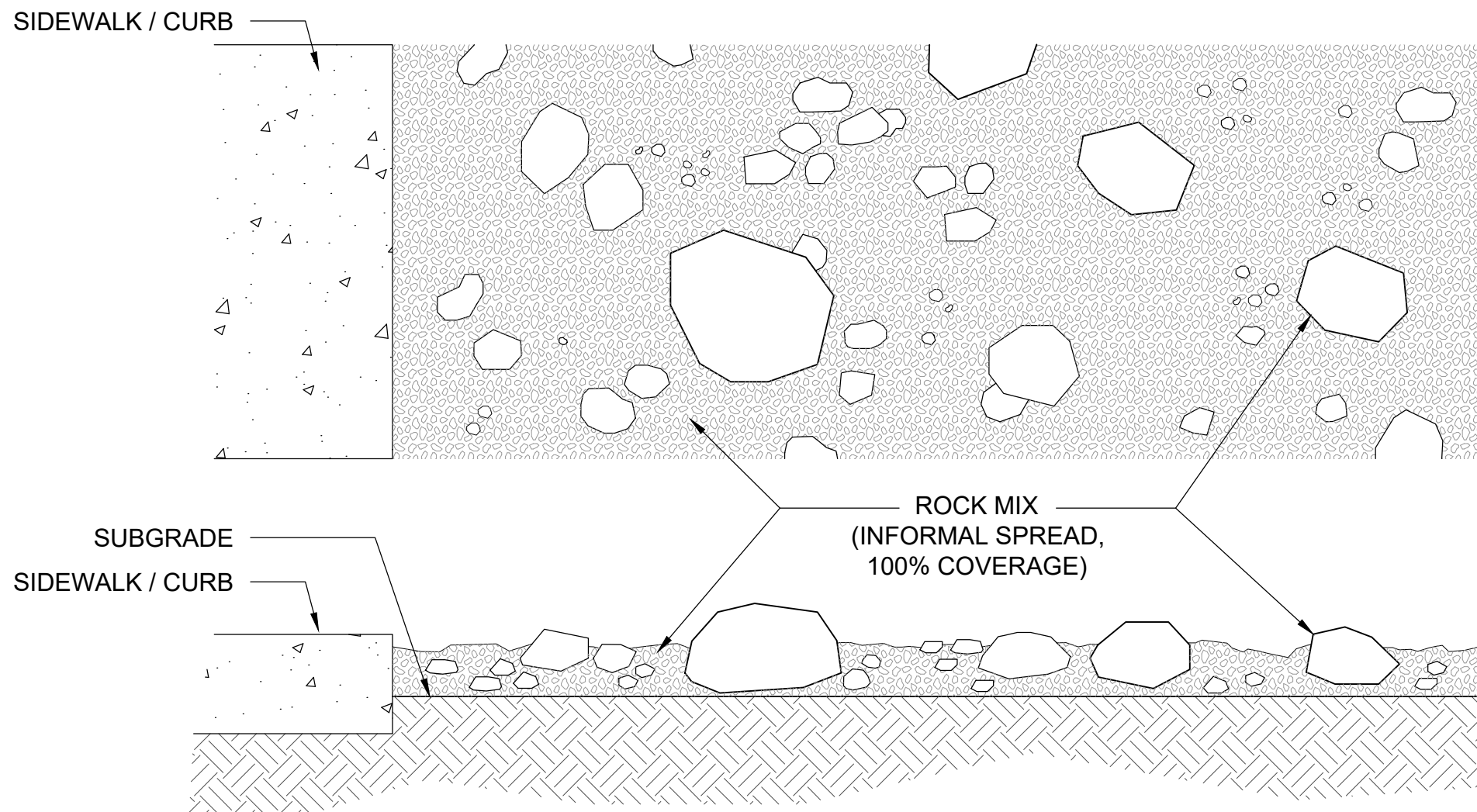
NTS



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

4 SYNTHETIC TURF

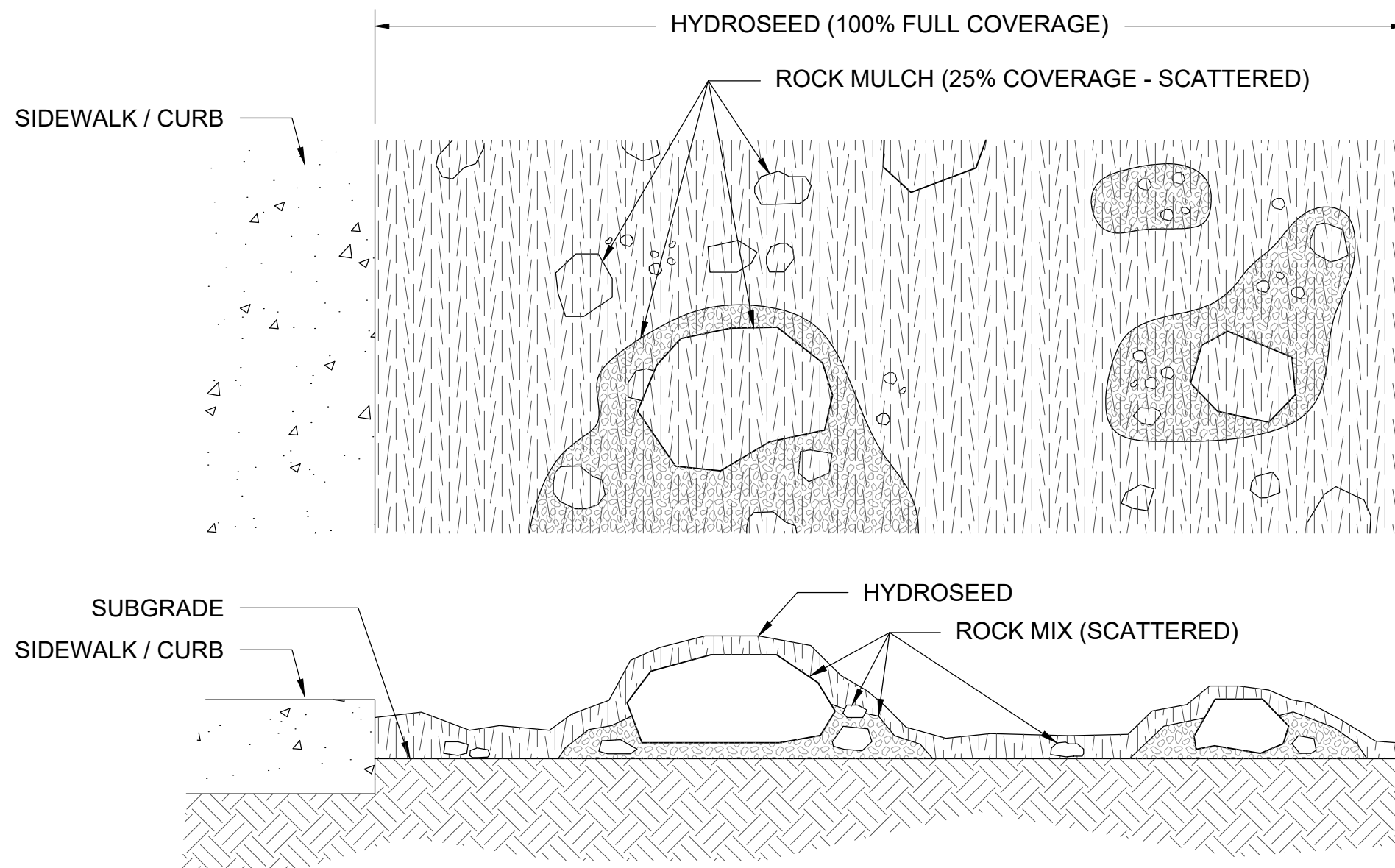
NTS



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

6 DESERT COBBLE MULCH

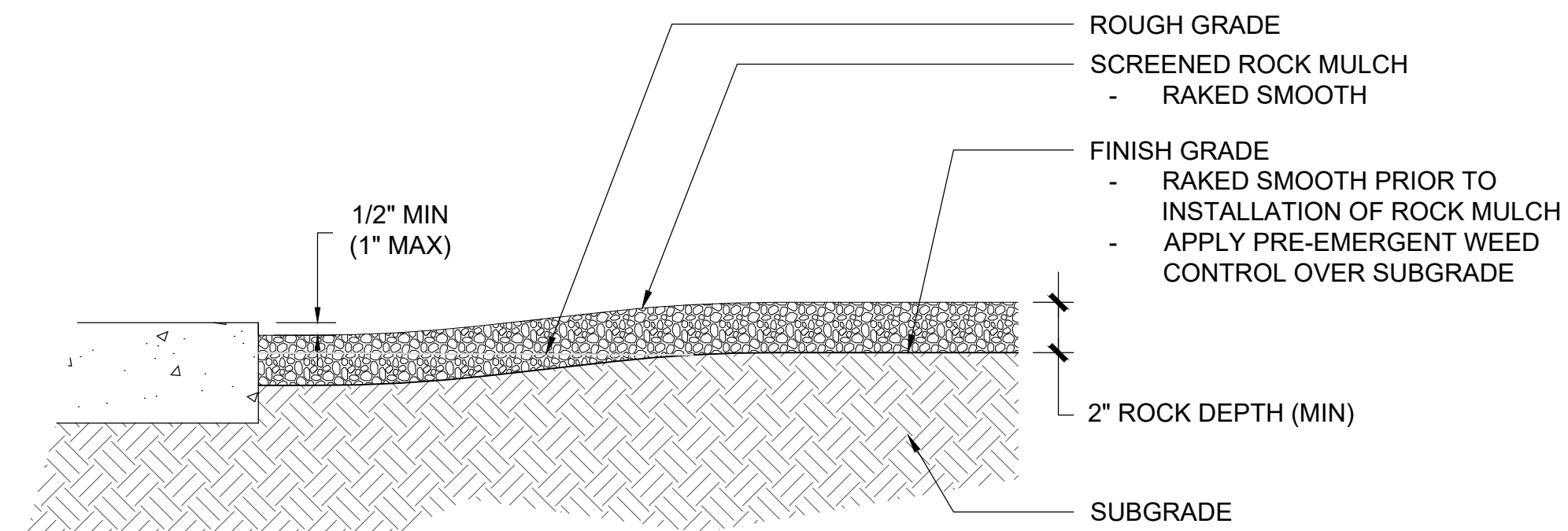
NTS



- NOTES:
1. REFER TO SPECIFICATION FOR ROCK MIX (SIZES), COLOR AND INSTALLATION.
 2. TOP OF DESERT COBBLE ROCK MIX SHALL SIT $\frac{1}{2}$ " 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

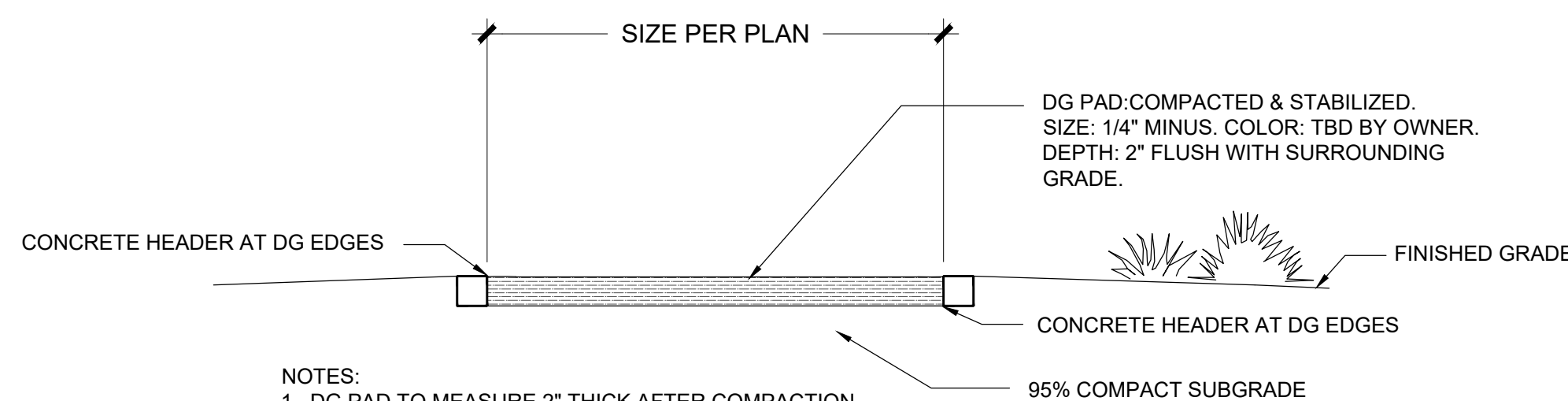
NTS



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

3 SCREENED ROCK MULCH

NTS

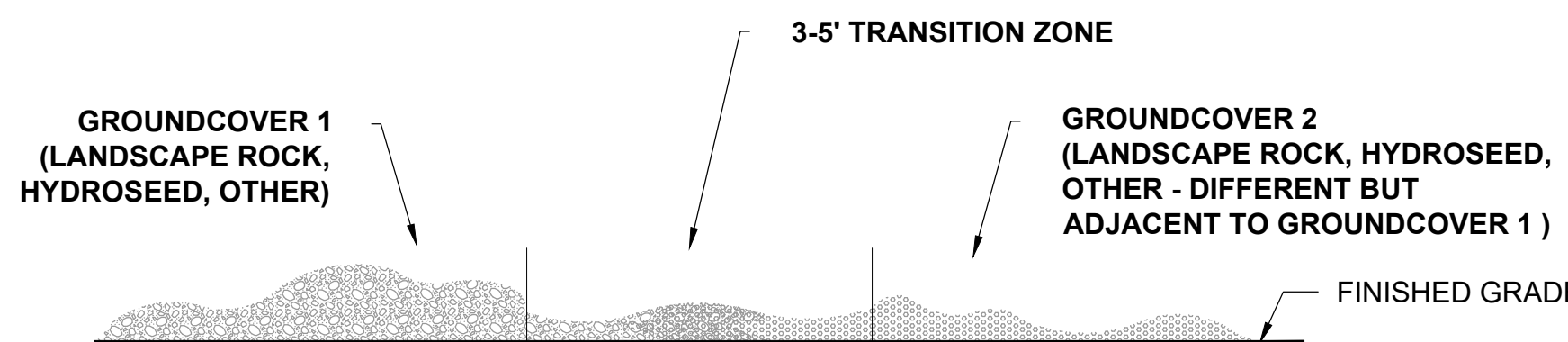


- NOTES:
1. DG PAD TO MEASURE 2" THICK AFTER COMPACTION.
 2. TOP OF 2" DG PATH TO BE FLUSH W/ SURROUNDING GRADE FOLLOWING COMPACTION.
 3. DG SHALL BE 95% COMPACT.
 4. DG SHALL BE MIXED THOROUGHLY WITH STABILIZER PRIOR TO INSTALLATION.

- GRADING NOTES:
1. MAXIMUM CROSS SLOPE OF TRAIL SHALL BE LESS THAN 2%.
 2. MAXIMUM RUNNING SLOPE OF TRAIL SHALL BE LESS THAN 5%.

5 STABILIZED DG SURFACE (AT SEATING NODES)

NTS



- NOTES:
1. TO PROVIDE A NATURALISTIC YET COHESIVE TRANSITION BETWEEN TWO GROUNDCOVER APPLICATIONS, CREATE A TRANSITION ZONE OF APPROXIMATELY 3-5 FEET ALONG THE EDGE OF ADJACENT GROUNDCOVERS.
 2. AS THE GROUNDCOVERS ARE APPLIED, REDUCE THE APPLICATION OF GROUNDCOVER 1, WHILE INCREASING THE GROUNDCOVER 2 APPLICATION WHICH WILL RESULT IN A MIXTURE OF BOTH WITHIN A PORTION OF THE TRANSITION ZONE.
 3. INERT GROUNDCOVERS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. FOR TYPE, METHOD, & DENSITY OF APPLICATION, REFER TO LANDSCAPE PLAN & ASSOCIATED NOTES.

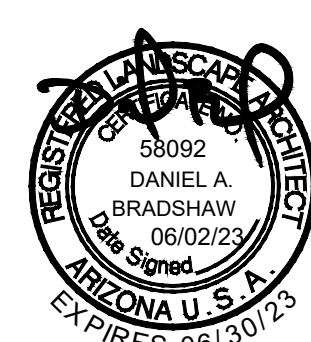
8 TRANSITION BETWEEN ADJACENT GROUNDCOVERS

NTS

#	REVISIONS/SUBMITTALS	DATE

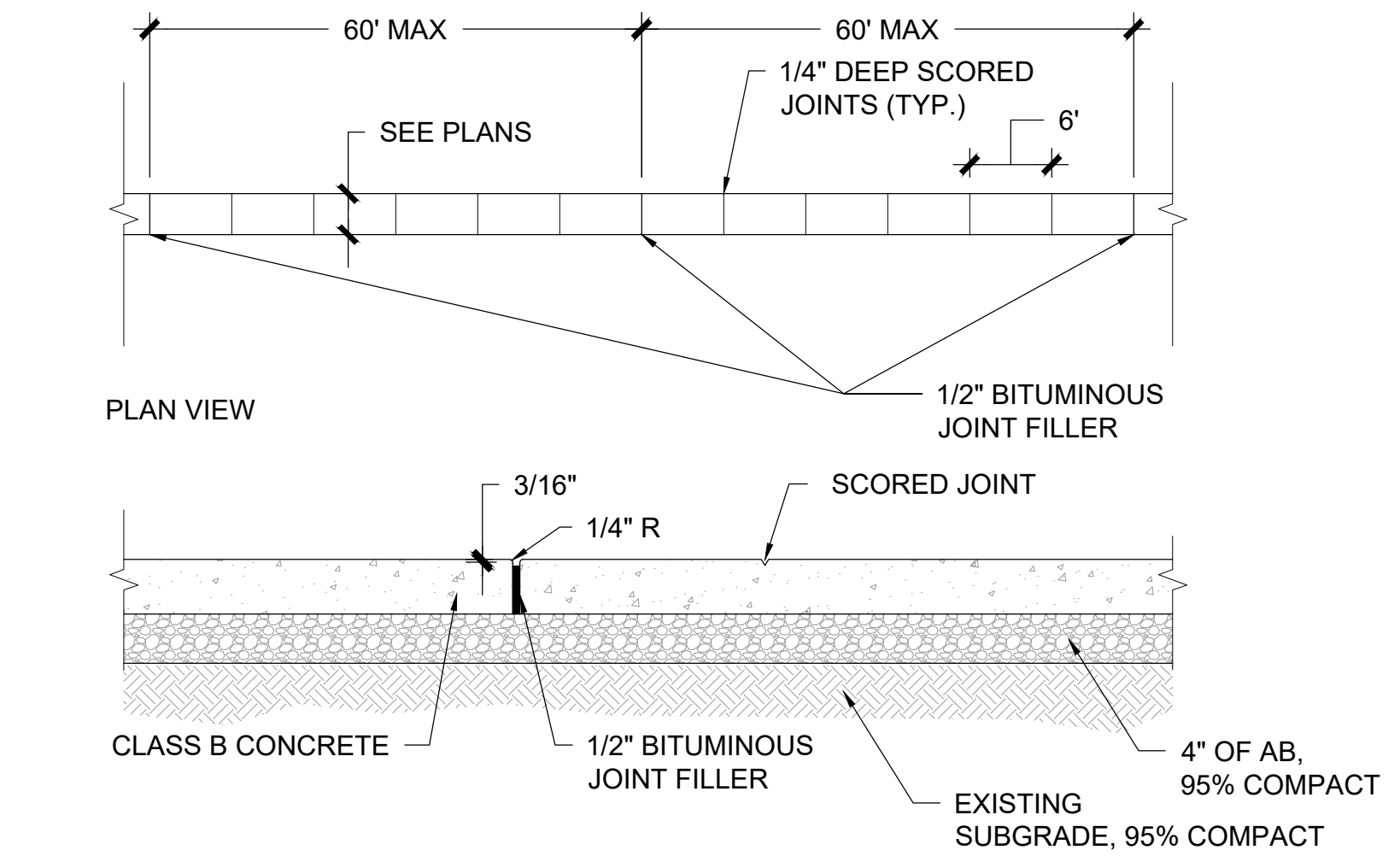
HARDSCAPE DETAILS

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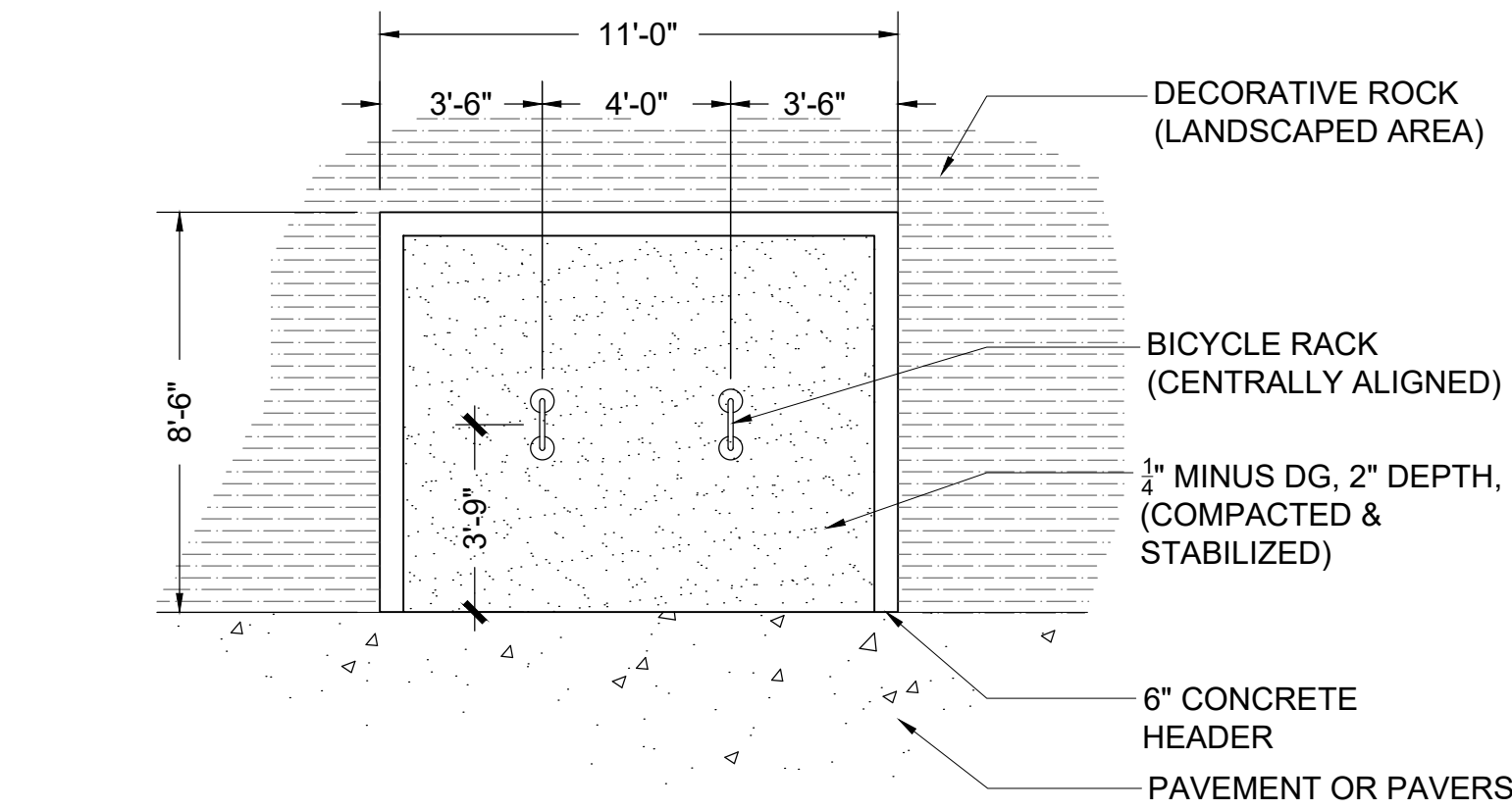


NOTES:

- 1) ALL CONCRETE WALKS TO HAVE A MINIMUM CROSS SLOPE OF 1/8" PER FT. AND A MAXIMUM CROSS SLOPE OF 1/4" PER FT.
2) CONCRETE THICKNESS AND REINFORCEMENT SHALL BE PER STRUCTURAL ENGINEER'S DESIGN. THICKENED EDGE (MIN. TWICE DEPTH OF PAD) ALONG PERIMETER OF ALL CONCRETE PADS.
3) STANDARD CONCRETE COLOR AND FINISH: NATURAL GREY WITH TROWEL FINISH..



1 CONCRETE PAVING
DETAIL



NOTE: NUMBER OF BIKE RACKS VARY PER LOCATION. SEE HARDSCAPE PLAN.

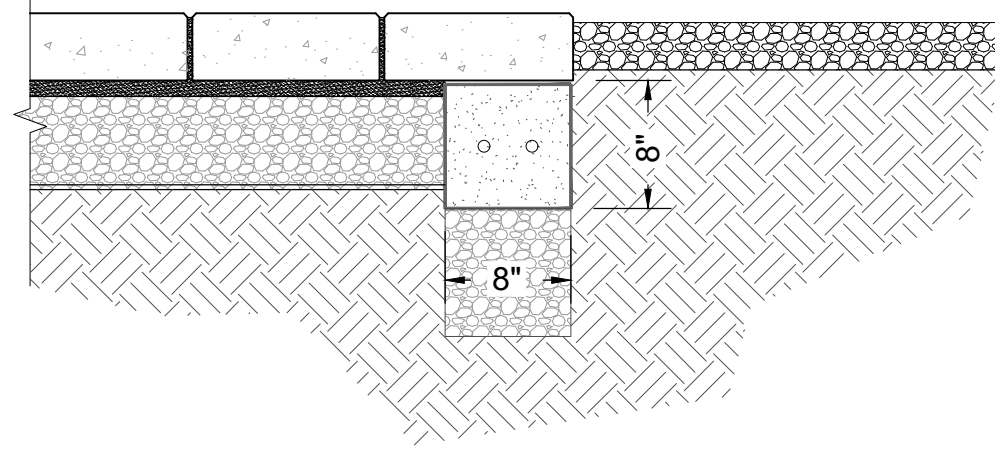
4 BICYCLE PARKING: SURFACE AND HEADER
PLAN VIEW

CONCRETE SEAT WALL NOTES:

1. CAST-IN-PLACE CONCRETE: 3,000 PSI, REBAR SHALL BE 3" CLEAR ALL SIDES.
2. CONTRACTOR TO PROVIDE SAMPLE CONCRETE POURED PANEL 36"x24"x6" FOR APPROVAL BY OWNER'S REPRESENTATIVE.
3. COMPACT SUBGRADE TO 95%.
4. EXPANSION JOINTS WITH 1/4" BITUMINOUS JOINT FILLER REQUIRED WHERE SEAT WALL IS ADJACENT TO PAVERS/PAVEMENT.
5. CONCRETE COLOR & FINISH: TO BE DETERMINED BY OWNER.

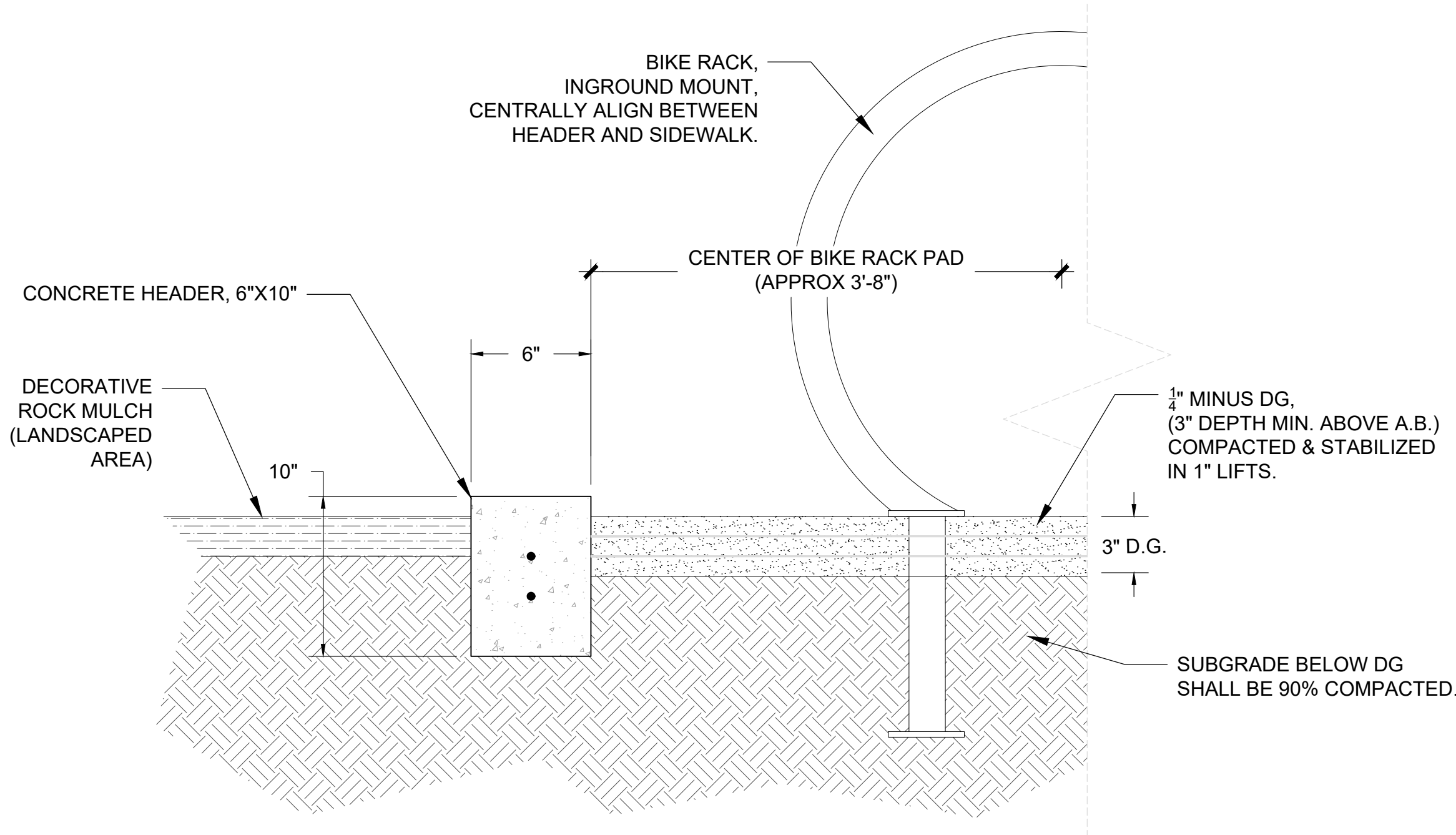


7 CONCRETE SEAT WALL
ELEVATION-FRONT

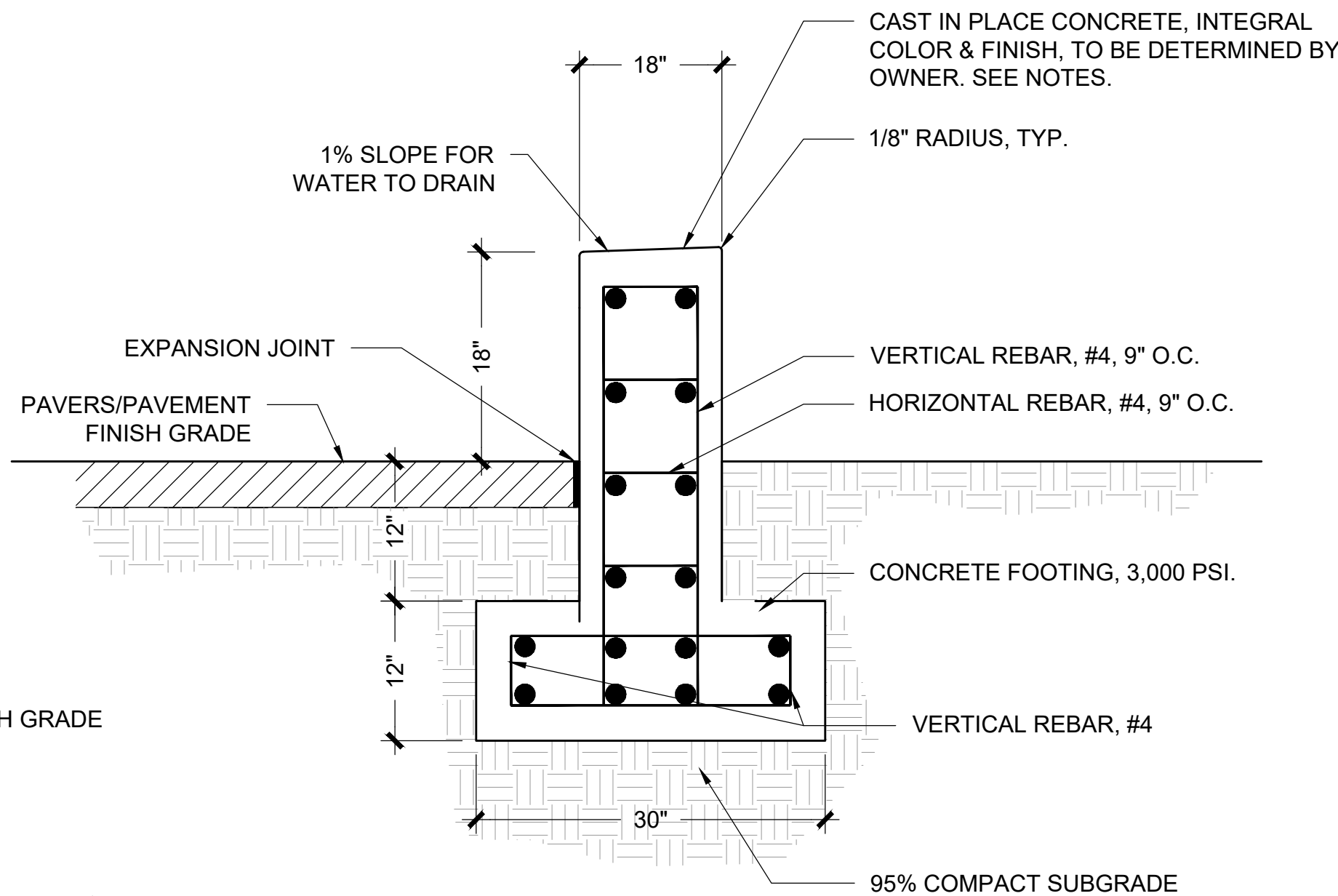


- NOTES:
1) STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN / CALCS BASED ON SOILS REPORT.
2) ALL PRODUCTS AND MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
3) MATERIAL COLORS AND FINISHES: PER SPECIFICATION ON HARDSCAPE SHEETS

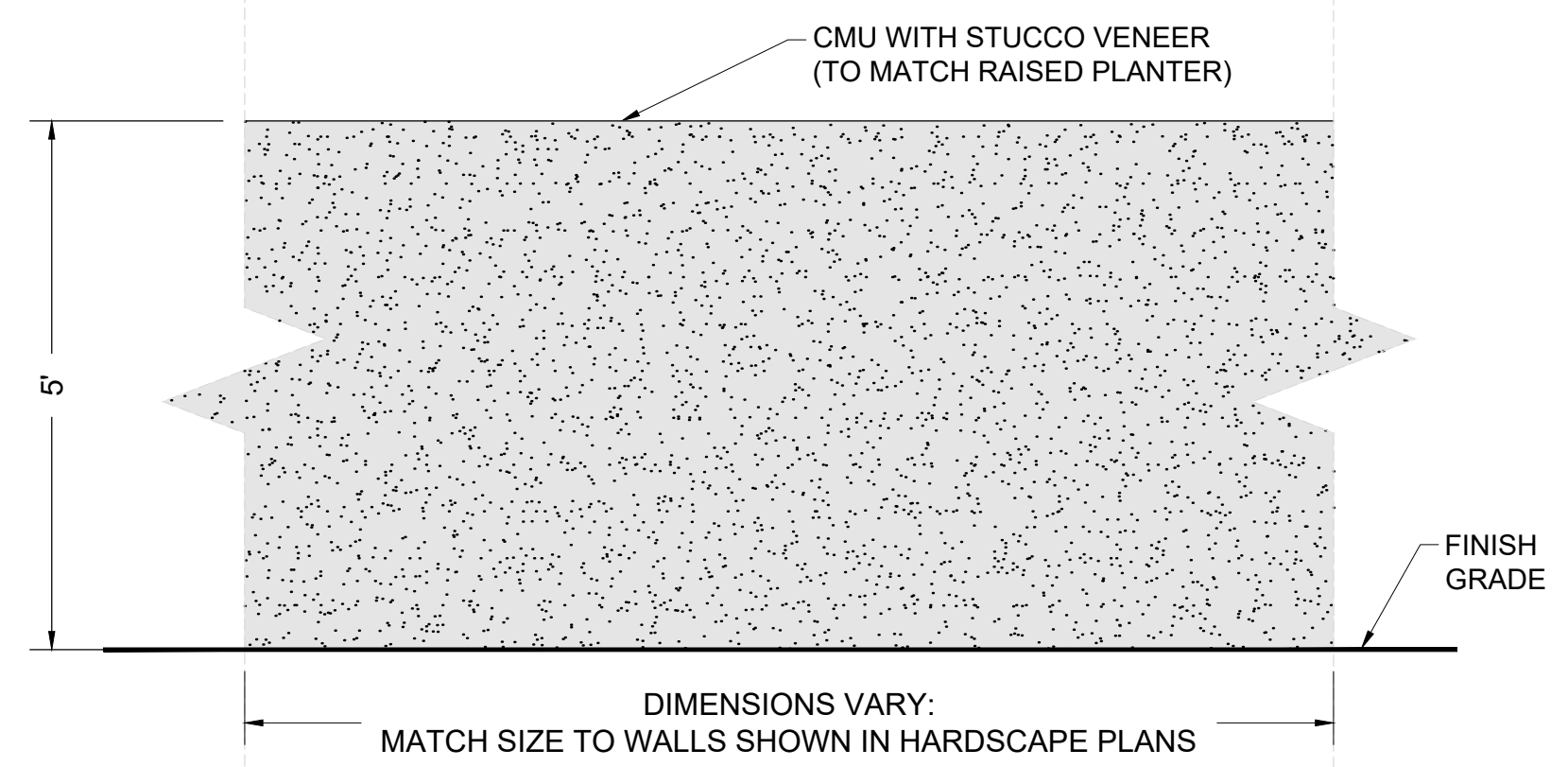
2 CONCRETE PAVER EDGE RESTRAINT
SECTION



5 BICYCLE PARKING: SURFACE AND HEADER
SECTION



8 CONCRETE SEAT WALL
SECTION

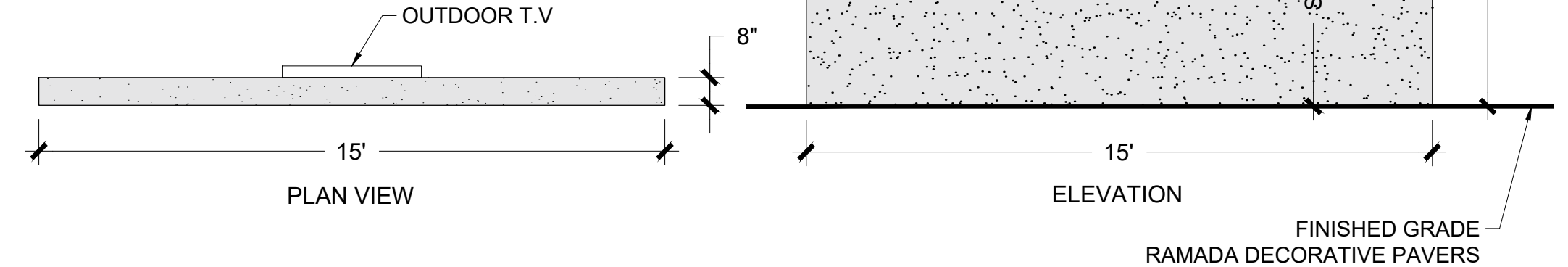


- NOTE: 1. COLORS TO BE DETERMINED BY OWNER.
2. STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN/CALCS (FOOTING, REBAR, HORIZONTAL REINFORCEMENT, ETC.).
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS.
4. STUCCO TO WRAP AROUND ALL SIDES OF CMU WALL.
5. TOP TO SLOPE 1% TO PROVIDE DRAINAGE.

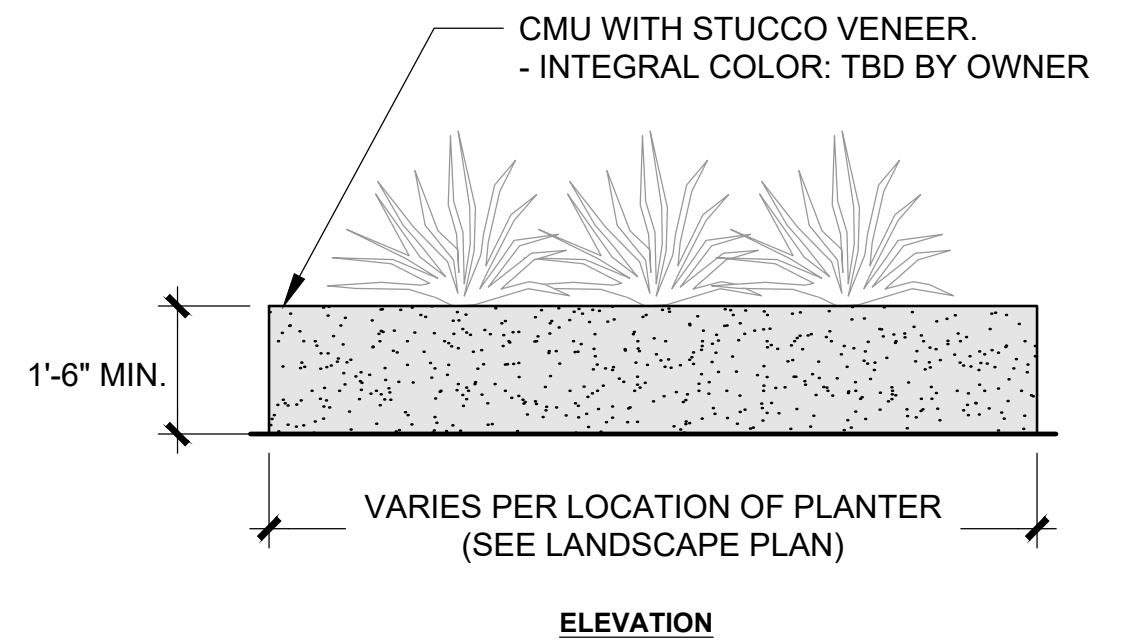
3 THEME WALL
ELEVATION

- NOTES:
1. CMU WITH STUCCO VENEER.
2. STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN/CALCS (FOOTING, REBAR, HORIZONTAL REINFORCEMENT, ETC.).
3. COLOR & FINISH: TO BE DETERMINED BY OWNER.
4. OUTDOOR MONITOR/T.V.: TO BE DETERMINED BY OWNER.
5. CONTRACTOR TO PLUMB WALL FOR ELECTRICAL.
6. MOUNT T.V. WITH SURFACE MOUNT PER MANUFACTURE'S SPECIFICATIONS.
7. ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

*S SIZE & PLACEMENT OF MONITOR DEPENDENT UPON PRODUCT CHOICE & DIMENSIONS. CONTRACTOR TO PROVIDE PLACEMENT OF MONITOR & SPACING FROM EDGES OF WALL.



6 CONCRETE ENTERTAINMENT WALL (FOR OUTDOOR T.V.)
ELEVATION



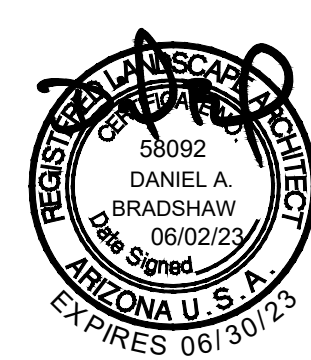
- NOTES:
1) STRUCTURAL ENGINEER TO PROVIDE STRUCTURAL DESIGN/CALCS (FOOTING, REBAR, HORIZONTAL REINFORCEMENT, ETC.).
2) FOOTING TO BE 4" (MIN) BELOW TOP OF GRADE.
3) MATERIAL COLORS AND FINISHES MUST BE APPROVED BY OWNER / OWNER'S REPRESENTATIVE.
4) ALL MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

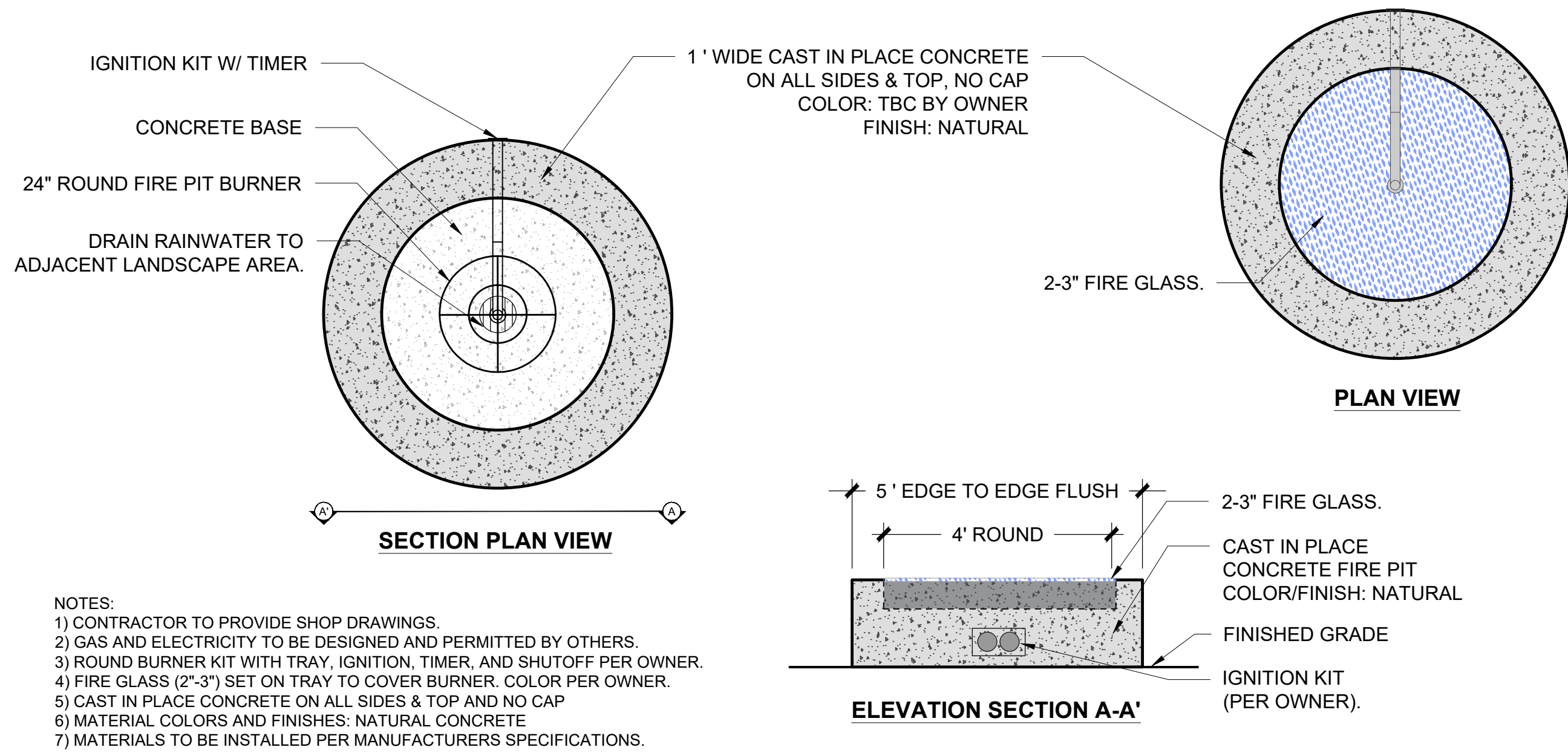
9 RAISED MASONRY PLANTER
DETAILS

#	REVISIONS/SUBMITTALS	DATE

HARDSCAPE DETAILS

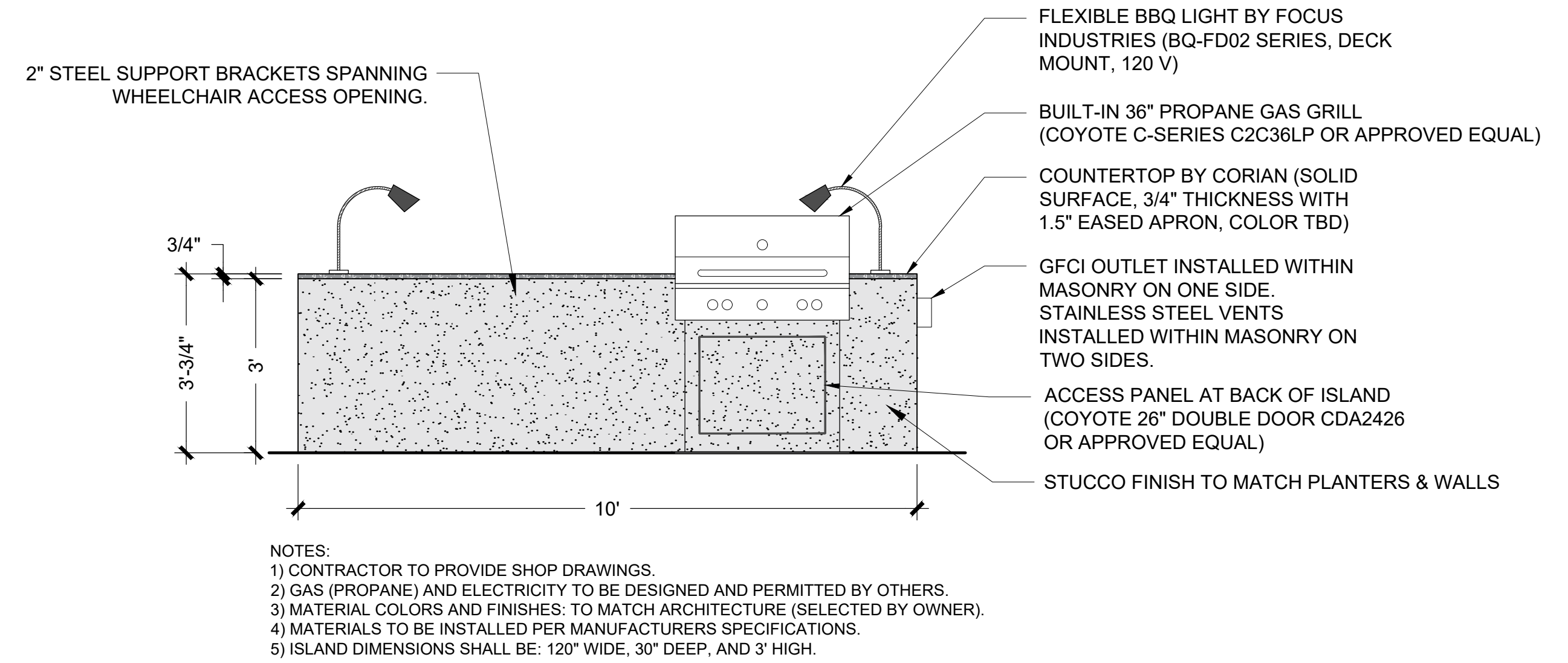
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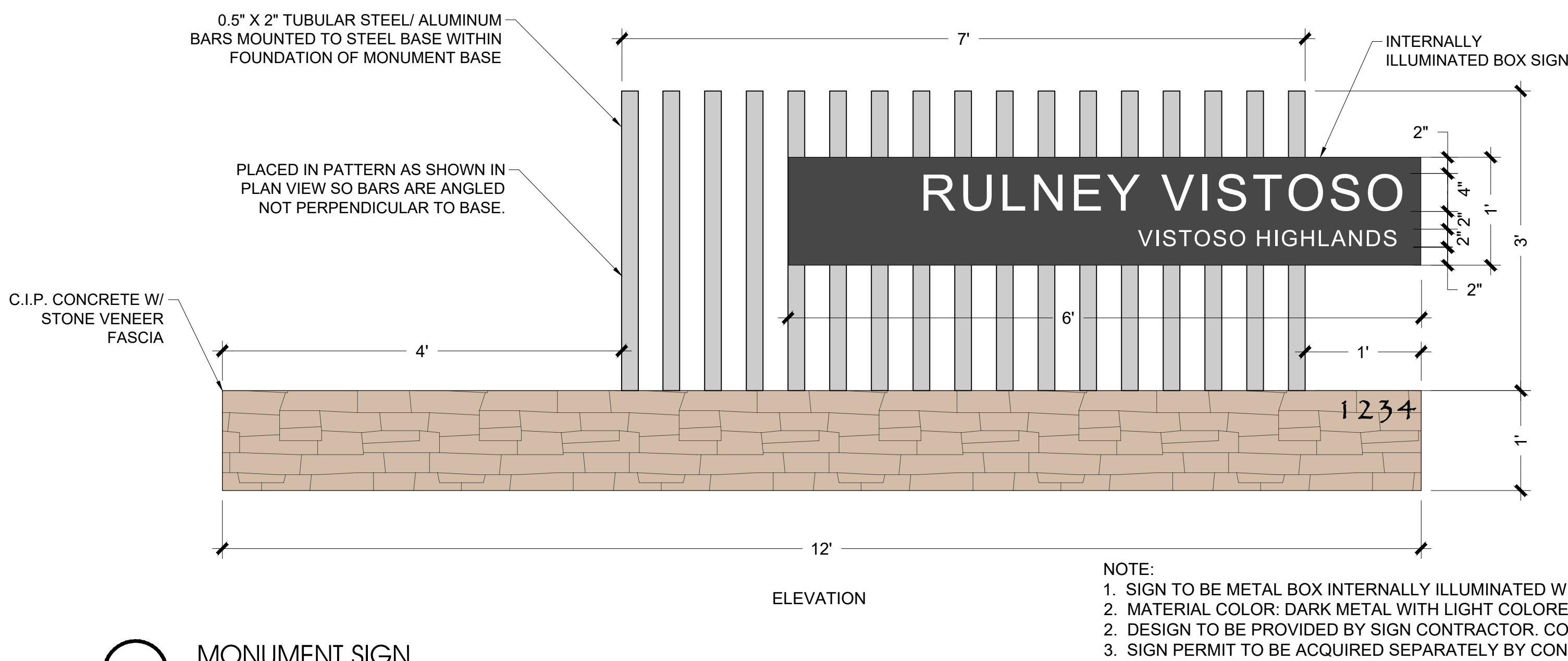
1 NATURAL GAS FIRE PIT
DETAILS

NTS



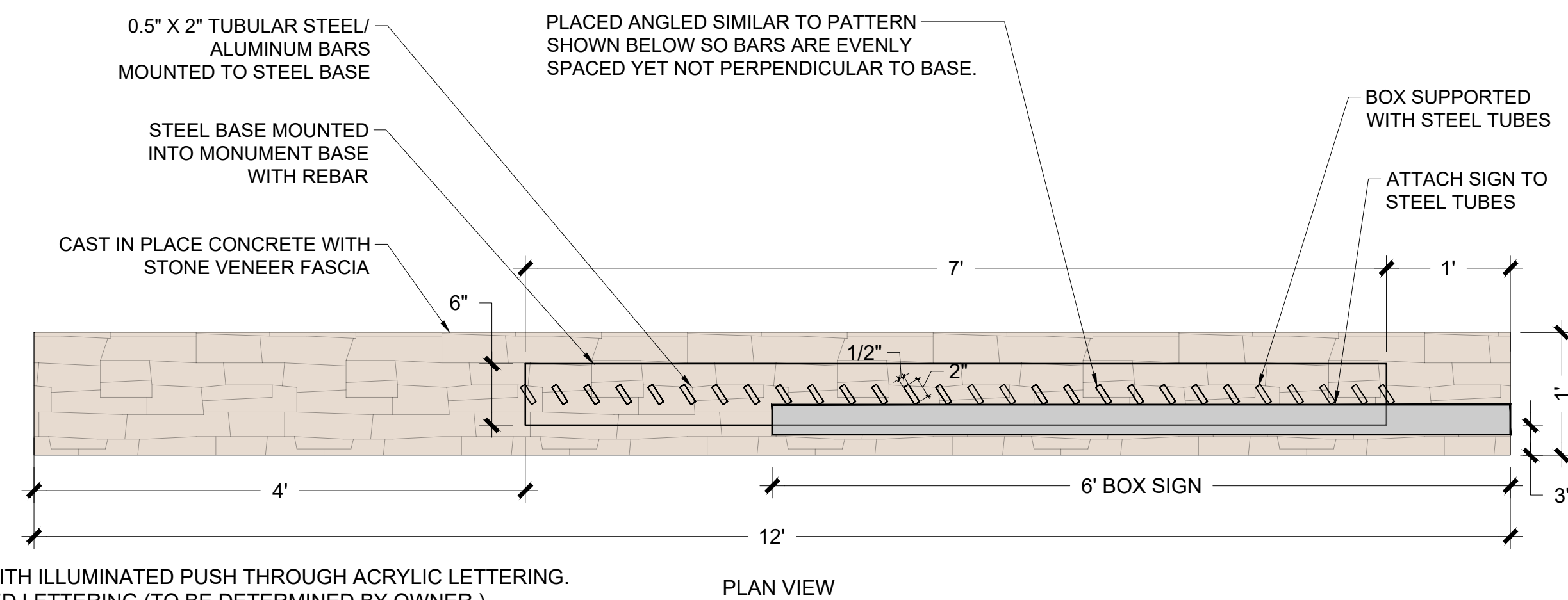
2 OUTDOOR KITCHEN COUNTER/GRILL
ELEVATION

NTS



3 MONUMENT SIGN
DETAIL

SCALE: NTS

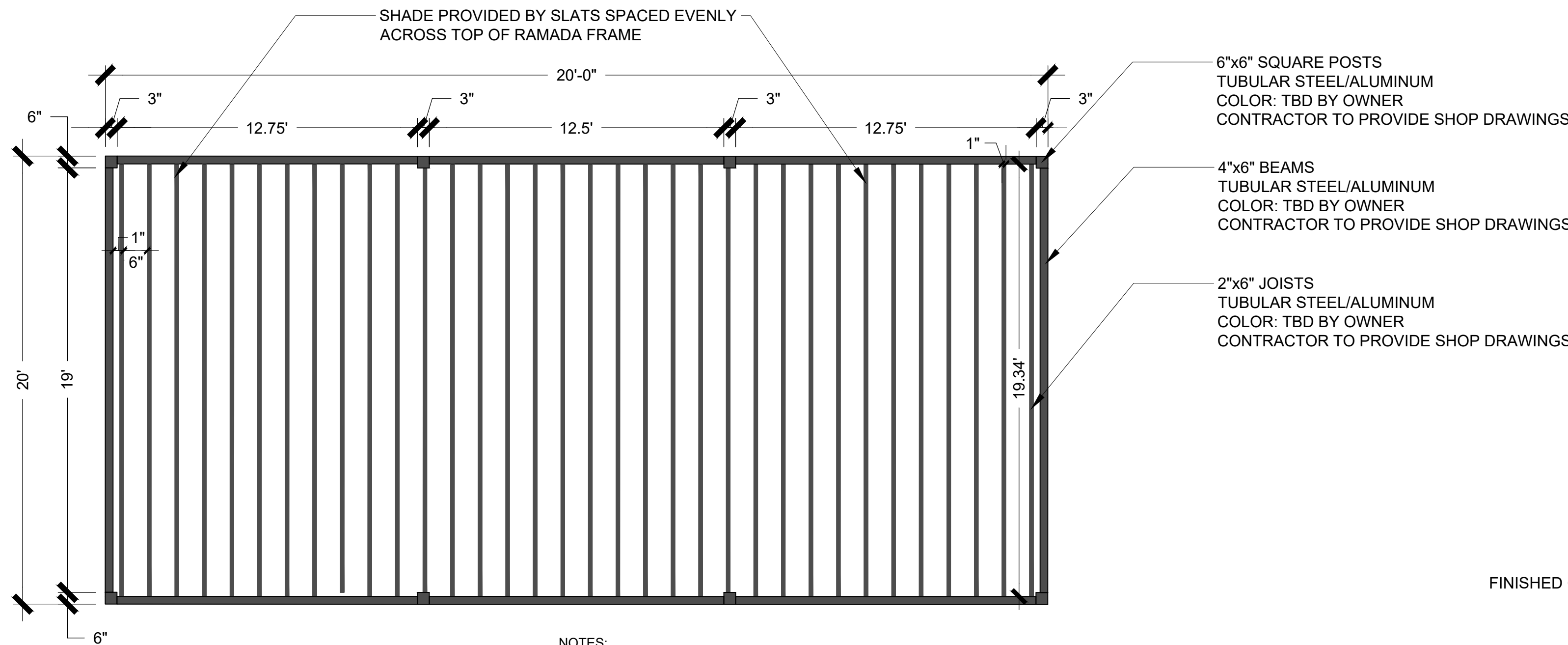


NOTE: MATERIAL COLORS TO BE DETERMINED BY OWNER.
CONTRACTOR TO PROVIDE SHOP DRAWINGS.

4 THEME COLUMN
ELEVATION

SCALE: NTS

#	REVISIONS/SUBMITTALS	DATE

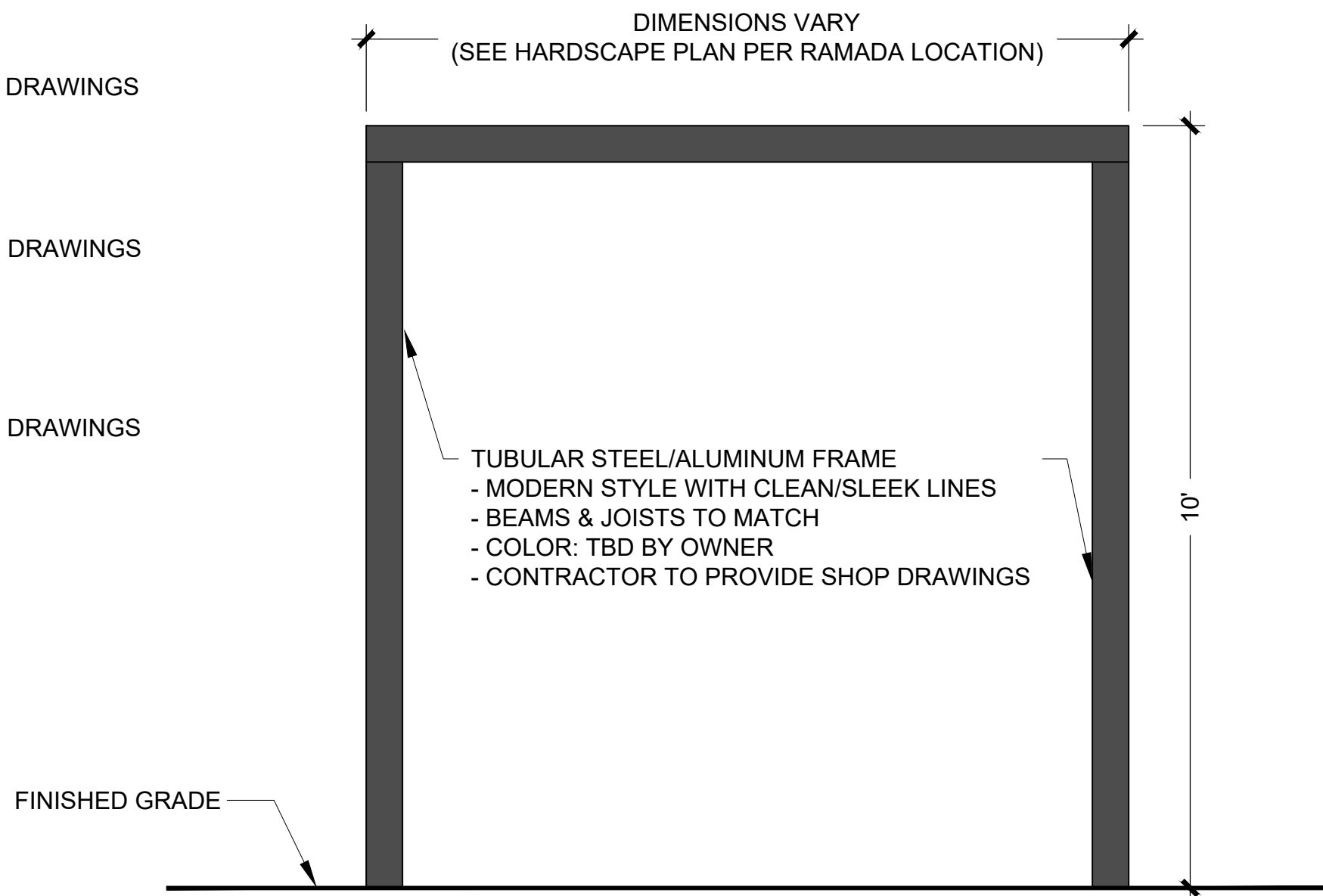


NOTES:
 1) DIMENSIONS VARY PER RAMADA LOCATION (SEE HARDSCAPE PLAN.) ELEVATION DIMENSIONS IN THIS DETAIL ARE FOR RAMADA LOCATED IN FLEXIBLE GATHERING AREA.
 2) CONTRACTOR TO PROVIDE SHOP DRAWINGS.
 3) MATERIAL COLORS AND FINISHES: TO MATCH ARCHITECTURE (TBD BY OWNER.)
 4) MATERIALS TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

1

RAMADA (FLEXIBLE GATHERING AREA)
 PLAN VIEW

NTS



2

RAMADA
 ELEVATION

NTS

#	REVISIONS/SUBMITTALS	DATE

HARDSCAPE DETAILS

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