

RICK ENGINEERING LANDSCAPE GENERAL NOTES:

- A. ANY CHANGES MADE TO THE PLANS AND DETAILS SHOWN ON THESE DOCUMENTS WHICH ARE NOT APPROVED BY THE LANDSCAPE ARCHITECT RELEASES RICK ENGINEERING OF ANY LIABILITY INCURRED AS A RESULT OF SAID CHANGES.

B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE JOB SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS THAT COULD AFFECT THE INSTALLATION OF ANY WORK SET FORTH IN THESE PLANS OR SPECIFICATIONS PRIOR TO SUBMITTING A BID. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL VERIFY THE ACCURACY OF THE PLANS TO THE SITE CONDITIONS AND SHALL REPORT ALL DISCREPANCIES TO THE OWNERS REPRESENTATIVE. WRITTEN DIMENSIONS AND GRADES PREVAIL OVER SCALED DIMENSIONS. NOTIFY OWNERS REPRESENTATIVE OF ANY DISCREPANCIES.

C. IF ANY UTILITIES CONFLICT WITH THE ORIGINAL PLACEMENT OF INTENDED PLANT MATERIAL ON SITE THE LANDSCAPE ARCHITECT WILL AID THE CONTRACTOR IN THE RELOCATION OR SHIFTING OF PLANT MATERIAL ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE THERETO. ALL UTILITIES SHALL BE LOCATED AND VERIFIED PRIOR TO ANY EXCAVATION. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE IMMEDIATELY. PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG (811) TO VERIFY LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THIS WORK, AND SHALL BE RESPONSIBLE FOR DAMAGES TO SUCH UTILITIES CAUSED AS A RESULT OF THE WORK.

D. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE PREMISES. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL PERMITS REQUIRED TO COMPLETE THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS.

E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL DURING CONSTRUCTION AND SHALL ACQUIRE A DUST CONTROL PERMIT IF REQUIRED FROM THE APPLICABLE LOCAL AGENCY. ALL COSTS ASSOCIATED WITH DUST CONTROL AND PERMITS IS CONSIDERED INCIDENTAL TO THE PROJECT.

F. LANDSCAPE CONTRACTOR SHALL PROVIDE FINISH GRADING AND REMOVAL OF DEBRIS IN PLANTING AREAS TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES. NO GRADING IS ALLOWED WITHIN DRIP LINE OF EXISTING TREES.

G. CONTRACTOR SHALL OBTAIN A COPY OF AND REVIEW THE GEOTECHNICAL SOILS REPORT IF APPLICABLE TO THIS PROJECT.

H. CONTRACTOR SHALL OBTAIN AND REVIEW A SOILS AGRONOMY TEST PRIOR TO BEGINNING CONSTRUCTION, AND SHALL ABIDE BY IT TOWARDS THE COMPLETION OF THIS WORK. ANY DISCREPANCIES BETWEEN THE REPORT AND THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.

I. PRIOR TO PLANTING, THE CONTRACTOR SHALL PERFORM ONE (1) PERCOLATION TEST PER 10,000 SQUARE FEET OF PLANTING AREA. THE CONTRACTOR SHALL FILL A 24" BOX SIZE HOLE WITH WATER, IF IT DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE. TEST SHALL BE DONE UNDER THE SUPERVISION OF THE OWNERS REPRESENTATIVE. IF PROPER DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS CONTRACTOR WILL BE REQUIRED TO INSTALL DRAINAGE CHIMNEYS IN PLANT PITS PER PLANTING DETAILS.

J. PRIOR TO PLANTING, THE IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS SHALL BE THOROUGHLY SOAKED.

K. WHEN CALICHE OR HARD PAN IS ENCOUNTERED DURING PLANT PIT EXCAVATION: IF IMPERVIOUS LAYER IS LESS THAN 6" THICK, REMOVE COMPLETELY FROM PLANTING PIT. IF LAYER IS 6"-18" THICK, AUGER A HOLE THROUGH THE LAYER PER PLANTING DETAILS. IF LAYER IS GREATER THAN 18" THICK, ENLARGE THE PLANTING PIT TO TWICE THAT (IN EACH DIRECTION) CALLED OUT IN PLANTING DETAILS.

L. CONTRACTOR SHALL VERIFY ROCK AND SOIL CONDITIONS WITHIN THE PROJECT SITE PRIOR TO

M. ROOT BARRIERS ARE REQUIRED FOR ALL TREES WITHIN 5' FEET OF WALLS, WALKWAYS, STREETS, CURBS AND OTHER HARDSCAPE AREAS. ROOT BARRIER TO EXTEND A MINIMUM OF 5' IN EACH DIRECTION FROM THE CENTERLINE OF THE TREE UNLESS OTHERWISE NOTED ON THE PLANS.

N. ALL PLANT MATERIALS SHALL CONFORM TO NURSERY STANDARDS ACCORDING TO AMERICAN ASSOCIATION OF NURSERYMEN INC. AND SHALL BE FREE FROM PESTS, EGGS, DISEASES AND TO BE REPRESENTATIVE OF SPECIES IN SIZE, QUALITY, FORM, COLOR AND NOT BE ROOT BOUND, DAMAGED OR SUBSTANDARD IN ANY WAY. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. ANY PLANT SUBSTITUTIONS SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE. REMOVE NURSERY STAKES AND TIES FROM ALL CONTAINER STOCK.

O. 10% OF EACH PLANT MATERIAL SPECIES SHALL BE TAGGED WITH BOTANICAL NAME FROM NURSERY OR SUPPLIER; TAGS TO REMAIN ON PLANT MATERIAL UNTIL FINAL ACCEPTANCE.

P. NO PLANT SUBSTITUTIONS, TYPE, OR QUANTITY DEVIATIONS FROM THE APPROVED LANDSCAPE PLANS WITHOUT PRIOR APPROVAL FROM THE OWNERS REPRESENTATIVE.

Q. TREAT ALL ROCK MULCH AREAS WITH PRE-EMERGENT HERBICIDE ONCE BEFORE THE ROCK MULCH INSTALLATION AND ONCE AFTER THE ROCK MULCH INSTALLATION.

R. TRANSPORTATION AND NURSERY STAKES SHALL BE REMOVED AT INSTALLATION. INSTALL NEW TREE STAKES AS DETAILED.

S. THE PLANTING PLAN IS DIAGRAMMATIC. THE QUANTITIES AND SITE CONDITIONS SHOWN ON THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY THE ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK COVERED BY THESE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL NOTIFY OWNERS REPRESENTATIVE OF DISCREPANCIES BETWEEN QUANTITIES AND SYMBOLS SHOWN.

T. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED ON PLANS. MAINTENANCE SHALL BEGIN UPON WALK FOR LANDSCAPE MAINTENANCE AND GUARANTEE PERIOD. MAINTENANCE SHALL CONSIST OF BUT NOT BE LIMITED TO KEEPING AREAS CLEAN, WEED FREE, TRIMMED, WATERED, RAKED, PEST AND DISEASE FREE AND ALL OTHER WORK NECESSARY FOR HEALTHY, VIGOROUS GROWTH AND CLEAN APPEARANCE. PRIOR TO COMMENCEMENT OF MAINTENANCE PERIOD, CONTRACTOR SHALL SUBMIT A WATERING/MAINTENANCE SCHEDULE TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

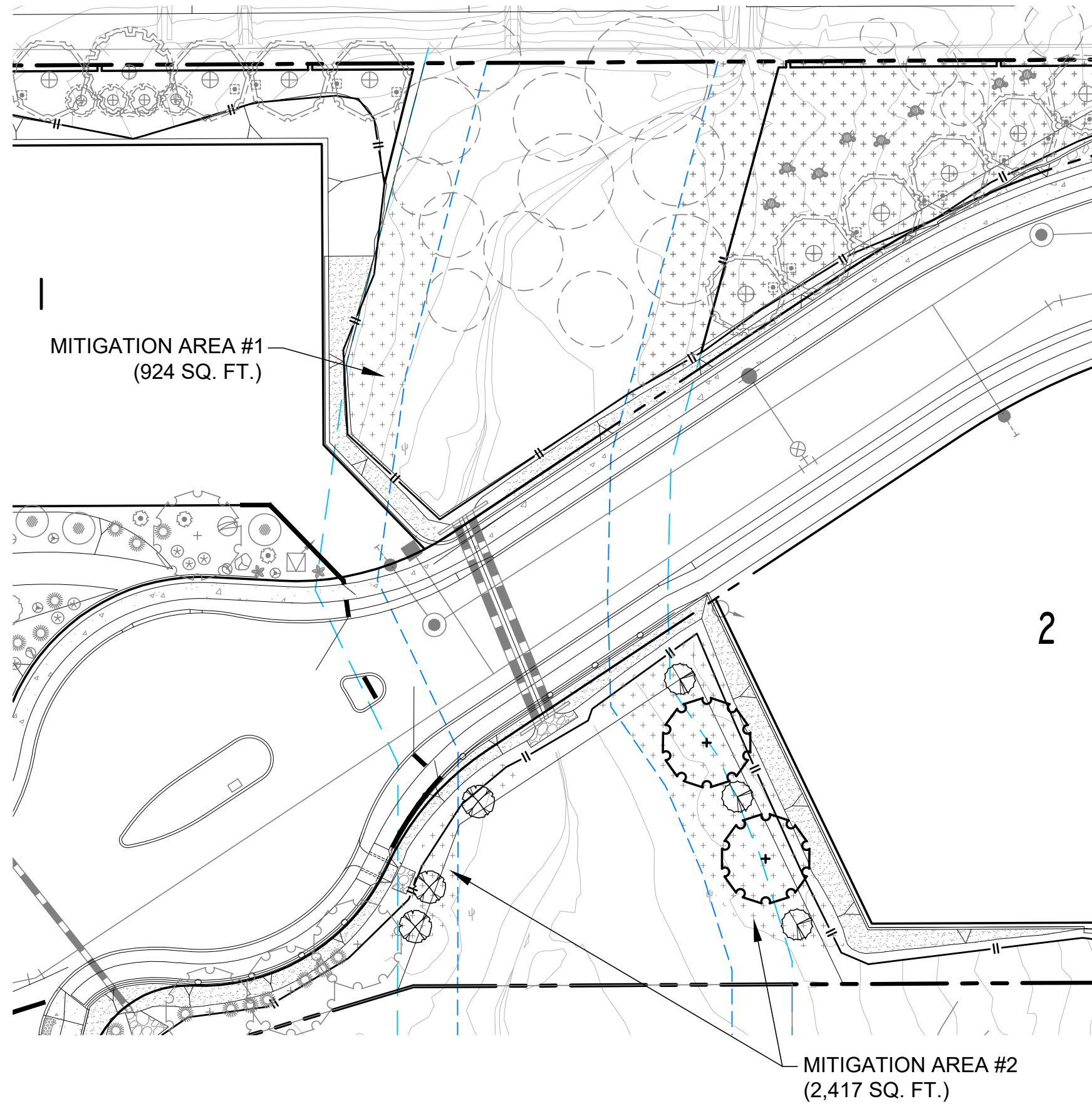
U. LANDSCAPE CONTRACTOR SHALL REPLACE ALL PLANT MATERIAL FOUND TO BE IN AN UNHEALTHY, DAMAGED, IMPAIRED CONDITION, MISSING OR DEAD DURING THE MAINTENANCE PERIOD.

V. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ANY DEBRIS RESULTING FROM THE CONSTRUCTION. AT NO TIME SHALL ANY OF THIS MATERIAL OBSTRUCT THE NORMAL OPERATION OF ANY ADJOINING STREET ASSOCIATED WITH THIS PROJECT.

W. THE JOB SITE AT THE COMPLETION OF THE CONSTRUCTION SHALL BE CLEANED OF AN DEBRIS RESULTING FROM CONSTRUCTION. NO JOB WILL BE CONSIDERED UNTIL ALL CURBS, GUTTERS, AND PAVEMENT HAVE BEEN SWEEP CLEAN OF ALL DIRT AND DEBRIS AND ARE IN COMPLIANCE WITH THE AGENCY SPECIFICATIONS.

X. THE CONTRACTOR IS ADVISED THAT DAMAGE TO ANY PORTION OF ANY EXISTING CURBS, GUTTERS, PAVEMENTS, FENCING, WALLS, LIGHTING AND SURROUNDING AREAS THAT ARE NOT NOTED ON THE PLANS TO BE DISTURBED ARE TO BE REPAIRED AT THE CONTRACTORS EXPENSE.

Y. FINAL ACCEPTANCE: A FINAL SITE WALK INSPECTION BY OWNERS REPRESENTATIVE IS REQUIRED AT THE END OF THE LANDSCAPE MAINTENANCE PERIOD PRIOR TO FINAL PROJECT ACCEPTANCE BY THE OWNER.
- BIDDING. NO EXTRA PAYMENT OR TIME EXTENSION WILL BE GIVEN DUE TO ROCKY SOIL CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING SITE INSPECTIONS AND CHECKING SOIL BORING LOGS TO DETERMINE SUBSURFACE CONDITIONS PRIOR TO BIDDING.
- RIPARIAN HABITAT MITIGATION PLAN FOR:
- HALLAMARK
- LOTS 1 - 69, AND COMMON AREA "A" (PRIVATE STREETS & PUBLIC UTILITIES) COMMON AREAS "B-1" & "B-2" (OPEN SPACE, DRAINAGE, UTILITIES & LANDSCAPE), COMMON AREA "C-1" & "C-2" (FUNCTIONAL OPEN SPACE & DRAINAGE), AND COMMON AREA "D-1" THRU "D-11" (NATURAL OPEN SPACE)
- 2500963
-
- SCALE: 1" = 200'
- MITIGATION PROTECTION AND MAINTENANCE
- THE PROJECT OWNER, AND/OR HIS SUCCESSORS, AGREE TO PRESERVE AND PROTECT THE MITIGATION AREA FOR THE DURATION OF THE PROJECT. FURTHER, SAID PROJECT OWNER, OR HIS SUCCESSORS, AGREE TO ACTIVELY MAINTAIN THE MITIGATED AREA FOR A PERIOD OF NOT LESS THAN FIVE YEARS. MAINTENANCE ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO, THE REGULAR OPERATION OF THE IRRIGATION SYSTEM, THE REPLACEMENT OF DEAD TREES, AND THE REMOVAL OF NON-INDIGENOUS, INVASIVE PLANT SPECIES.
- MITIGATION AREA IRRIGATION
- MITIGATION AREAS SHALL BE IRRIGATED BY AN AUTOMATIC, UNDERGROUND IRRIGATION SYSTEM TIED TO THE ON-SITE COMMON AREA IRRIGATION SYSTEM. IRRIGATION TO THE MITIGATION AREAS SHALL BE EMPLOYED UNTIL SUCH TIME AS THE PLANT MATERIALS ARE SUSTAINED BY NATURAL WATER SOURCES. THE PURPOSE OF THE IRRIGATION SYSTEM IS TO PROVIDE ADEQUATE WATERING FOR PLANT ESTABLISHMENT AND TO SUPPLEMENT RAINFALL AS NEEDED.
- FUTURE PHASES
- THE MASTER DEVELOPMENT PLAN PROVIDES FOR THE GENERAL LAYOUT OF THE ENTIRE PROPERTY COMPRISING OF 4 PHASES.
- THIS RIPARIAN HABITAT MITIGATION PLAN INCLUDES DETAILED DISTURBANCE CALCULATIONS AND MITIGATION PLANTING FOR PHASE 1.
- ALL OTHER PHASES WILL REQUIRE SEPARATE RIPARIAN HABITAT MITIGATION PLANS (AS APPLICABLE), DEMONSTRATING COMPLIANCE WITH TOWN OF ORO VALLEY REQUIREMENTS.
- IN THE EVENT THAT FUTURE PLANS AND REPORTS REQUIRE REDESIGN, THE MASTER DEVELOPMENT PLAN SHALL BE MODIFIED ACCORDINGLY.
- APPROVAL
- PLANNING AND ZONING ADMINISTRATOR
- DATE
-
- THIS PROJECT
- SCALE: 3"=1 MILE
- LOCATION MAP
- DEVELOPER
- D.R. HORTON
6875 N. ORACLE ROAD, SUITE 125
TUCSON, AZ 85704
CONTACT: LORENZO HERNANDEZ
lmhernandez1@drhorton.com
- LANDSCAPE ARCHITECT
- RICK ENGINEERING COMPANY, INC.
3945 EAST FORT LOWELL ROAD, SUITE 111
TUCSON, AZ 85712
CONTACT: MARK FELLINGER
(520) 795-1000
mfellinger@rickengineering.com
- CIVIL ENGINEER
- RICK ENGINEERING COMPANY, INC.
3945 EAST FORT LOWELL ROAD, SUITE 111
TUCSON, AZ 85712
CONTACT: COREY THOMPSON
(520) 795-1000
cthompson@rickengineering.com
- SHEET INDEX
- | SHT. | NAME |
|------|-------------------------|
| RM01 | COVER SHEET |
| RM02 | MITIGATION CALCULATIONS |
| RM03 | MITIGATION PLAN |
| RM04 | MITIGATION PLAN |
| RM09 | PLANTING DETAILS |
-
- SEAL
- M. Fellinginger
- Mark E. Fellinginger
- 1/9/26
- LANDSCAPE ARCHITECT
- NO. 36734
- STATE OF ARIZONA
- DATE 1/9/26
- NAME MARK E. FELLINGER
- ADDRESS 3945 E FORT LOWELL RD SUITE 111 TUCSON AZ 85712
- PHONE (520) 795-1000
- FAX (520) 795-1000
- EMAIL mfellinger@rickengineering.com
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PLANT MATERIAL LEGEND

SYMBOL	BOTANICAL NAME COMMON NAME	QTY.	SIZE	H x W (CALIPER)	WATER USE TYPE	ADWR ANNUAL USE (GAL.)	ANNUAL USE (GAL.)	MONTHLY USE (GAL.)
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TREES

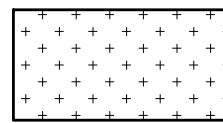
	PARKINSONIA FLORIDA BLUE PALO VERDE	10	24" BOX	5' x 3' (1")	2	5,702	57,020	4,752
	PARKINSONIA MICROPHYLLA FOOTHILLS PALO VERDE	10	15 GAL.	2' x 2' (.5")	1	1,754	17,540	1,462
	PROSOPIS VELUTINA VELVET MESQUITE	12	15 GAL.	4' x 2' (.5")	2	5,702	68,424	5,702
TOTAL AT MATURITY (GAL.)							142,984	11,915

SHRUBS AND ACCENTS

	ACACIA CONSTRICTA WHITETHORN ACACIA	30	5 GAL.		1	1,754	52,620	4,385
	ACACIA GREGGII CATCLAW ACACIA	30	5 GAL.		1	1,754	52,620	4,385
	CELTIS PALLIDA DESERT HACKBERRY	10	5 GAL.		2	634	6,340	528
TOTAL AT MATURITY (GAL.)							111,580	9,298

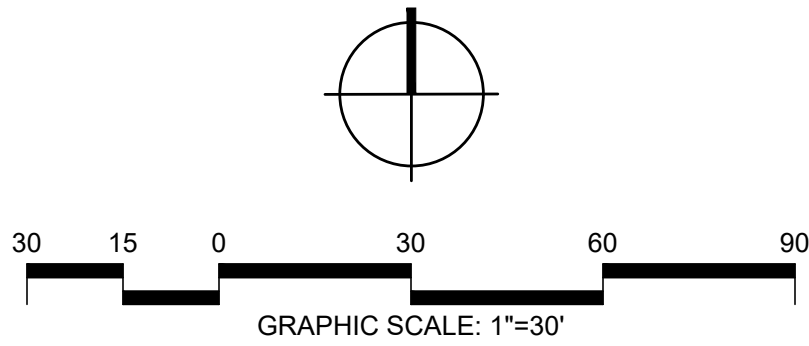
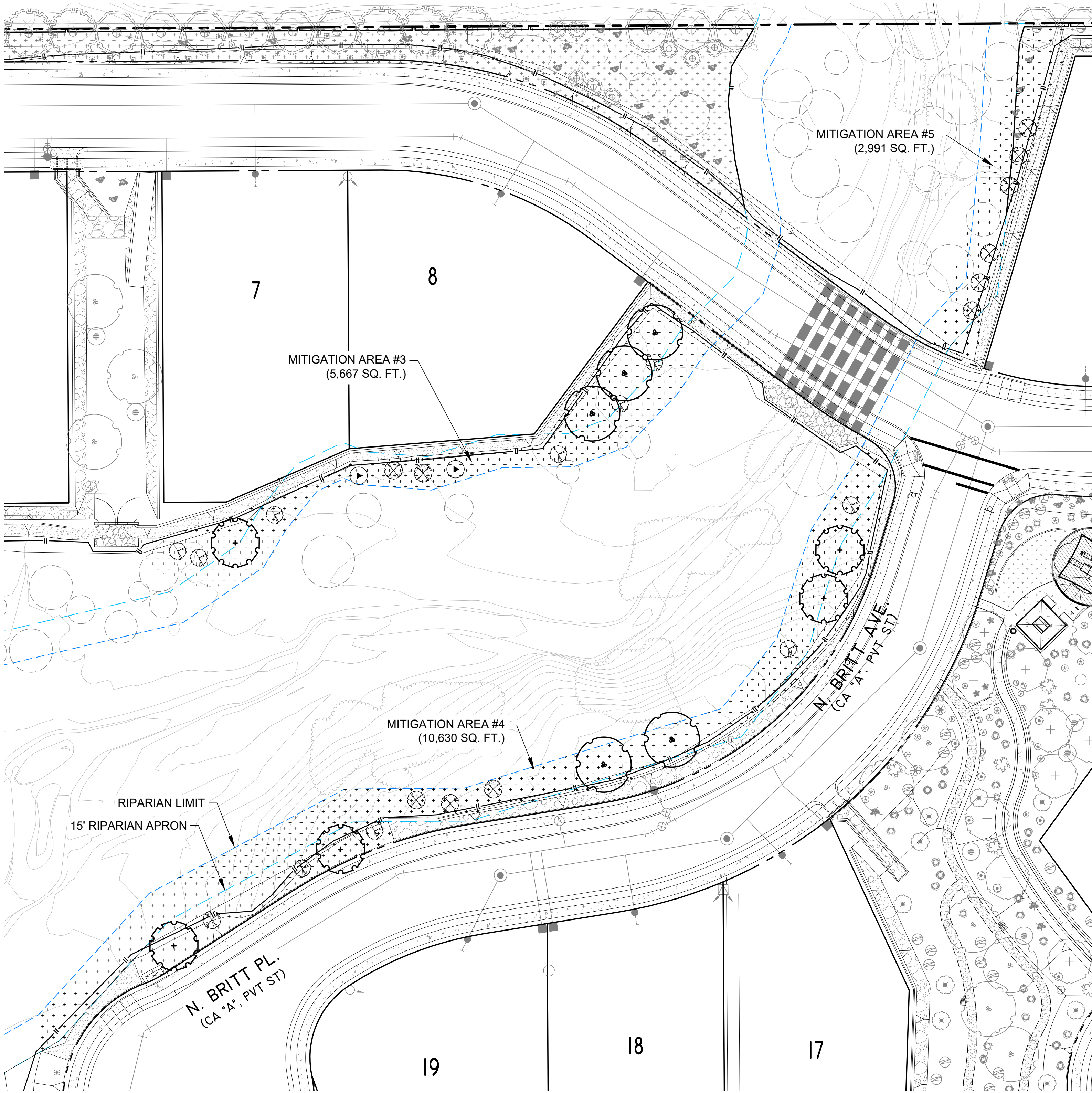
TOTAL WATER USE AT MATURITY	ANNUAL USE (GAL.)	MONTHLY USE (GAL.)
TREES	142,984	11,915
SHRUBS	111,580	9,298
TOTAL	254,564	21,213

HYDROSEED



IN CONFORMANCE WITH ADDENDUM 'D' OF THE ORO VALLEY ZONING CODE, I.E. THE ORO VALLEY APPROVED REVEGETATION SEED MIX. SEE SHEET RM04.

46,963 SQ. FT. (1.1 AC.)



SEAL

3945 E FORT LOWELL RD #111
TUCSON, AZ 85712

520-795-1000
rickengineering.com

PROJECT NO: T5577
DATE: 1/2026

MEF
DRAWN/DESIGNED BY:
CHECKED BY:

2500963
RELATED CASES:
2500142
OV99951 [(O) 02-17]

Call 911 or click Arizona911.com

landscape plan

2500142
OV99951 [(O) 02-17]

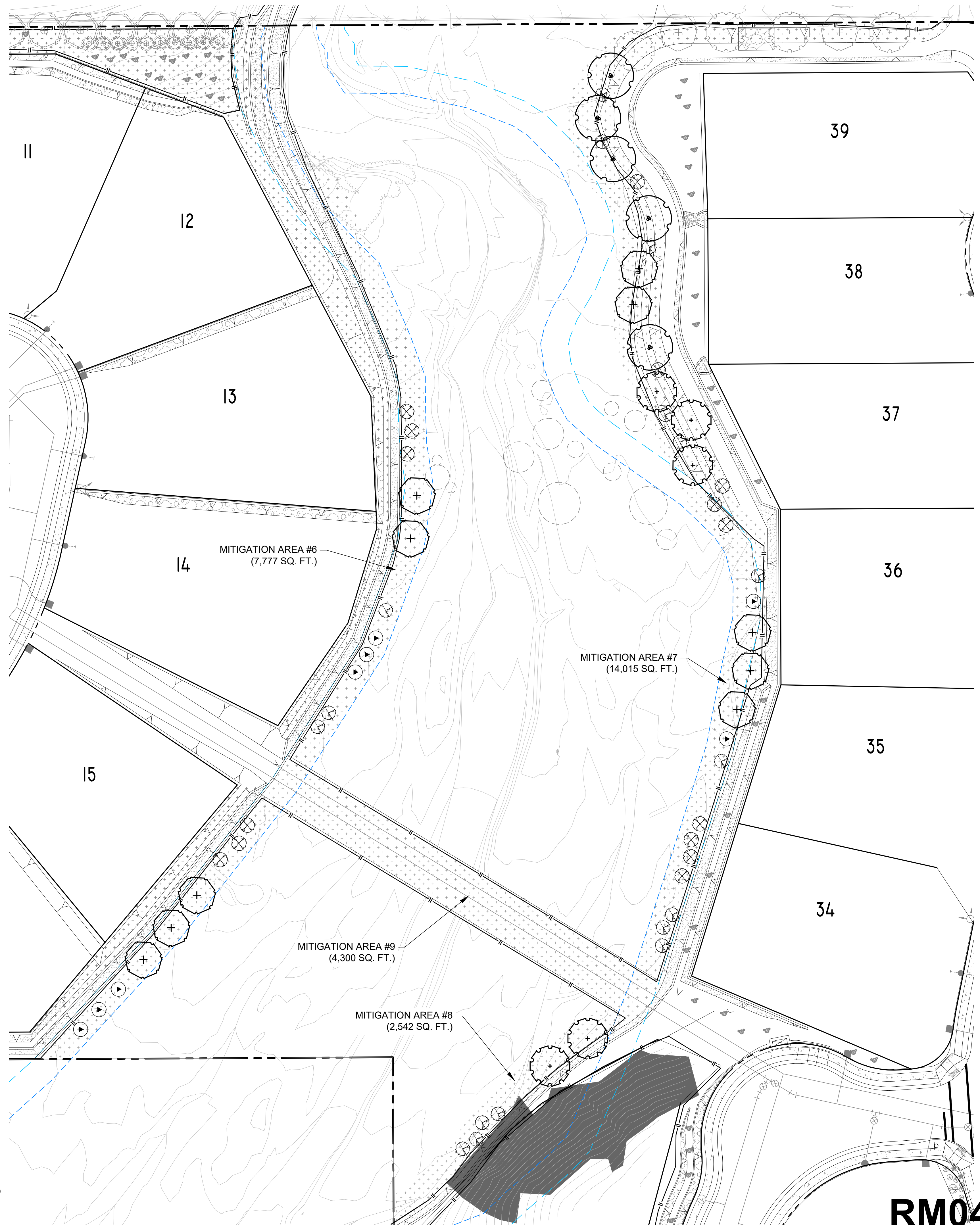
3 OF 5

46,963 SQ. FT. (1.1 AC.)

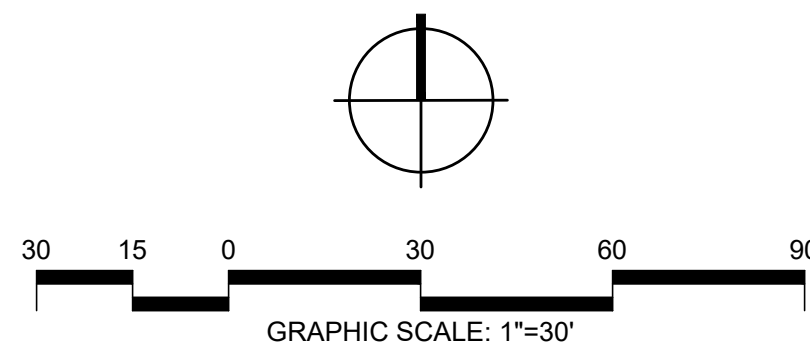
SPECIES	PLS RATE LBS./ACRE
<u>SHRUBS</u>	
CALLIANDRA ERIOPHYLLA, FAIRY DUSTER	1.0
CELTIS PALLIDA, DESERT HACKBERRY	1.0
ENCELIA FARINOSA, BRITTLEBUSH	2.0
ERICAMERIA LARICIFOLIA, TURPENTINE BUSH	1.0
<u>SMALL PERENNIALS</u>	
BAILEYA MULTIRADIATA, DESERT MARIGOLD	1.5
CASSIA COVESII, DESERT SENNA	1.5
DATURA WRIGHTII, SACRED DATURA	0.5
SPHAERALCEA AMBIGUA, DESERT GLOBE-MALLOW	1.5
<u>PERENNIAL GRASSES</u>	
ARISTIDA PURPUREA, PURPLE THREE-AWN	1.0
BOUTELOUA CURTIPENDULA, SIDEOATS GRAMA	1.5
ERIONEURON PULCHELLUM, FLUFFGRASS	1.5
SPOROLOBUS CRYPTANDRUS, SAND DROPSEED	1.0
<u>ANNUAL HERBS AND GRASSES</u>	
BOUTELOUA ARISTIDOIDES, NEEDLE GRAMA	1.5
BOUTELOUA BARBATA, SIX WEEKS GRAMA	1.5
PENSTEMON PARRYI, PARRY PENSTEMON	0.5
PLANTAGO INSULARIS, INDIAN WHEAT	1.5
20.0 TOTAL	

NOTES:
SLURRY MIX FOR NATIVE SEED APPLICATION SHALL
CONSIST OF THE FOLLOWING:
SEED =LBS/ACRE PER SEED MIX
WOOD FIBER MULCH =2000 LBS/ACRE
AMMONIUM PHOSPHATE FERTILIZER (16-20-0) =200 LBS/ACRE

SPECIES AND PLS RATE SUBSTITUTIONS IN CONFORMANCE WITH ADDENDUM 'D' OF THE ORO VALLEY ZONING CODE, I.E. THE ORO VALLEY APPROVED REVEGETATION SEED MIX, ARE ACCEPTABLE.



**SEE SHEET RM03 FOR
PLANTING LEGEND**



**3945 E FORT LOWELL RD #111
TUCSON, AZ 85712**

520-795-1000
rickengineering.com



HALLMARK

500963

RELATED CASES:
500142
DV99951 [(O) 02-17]

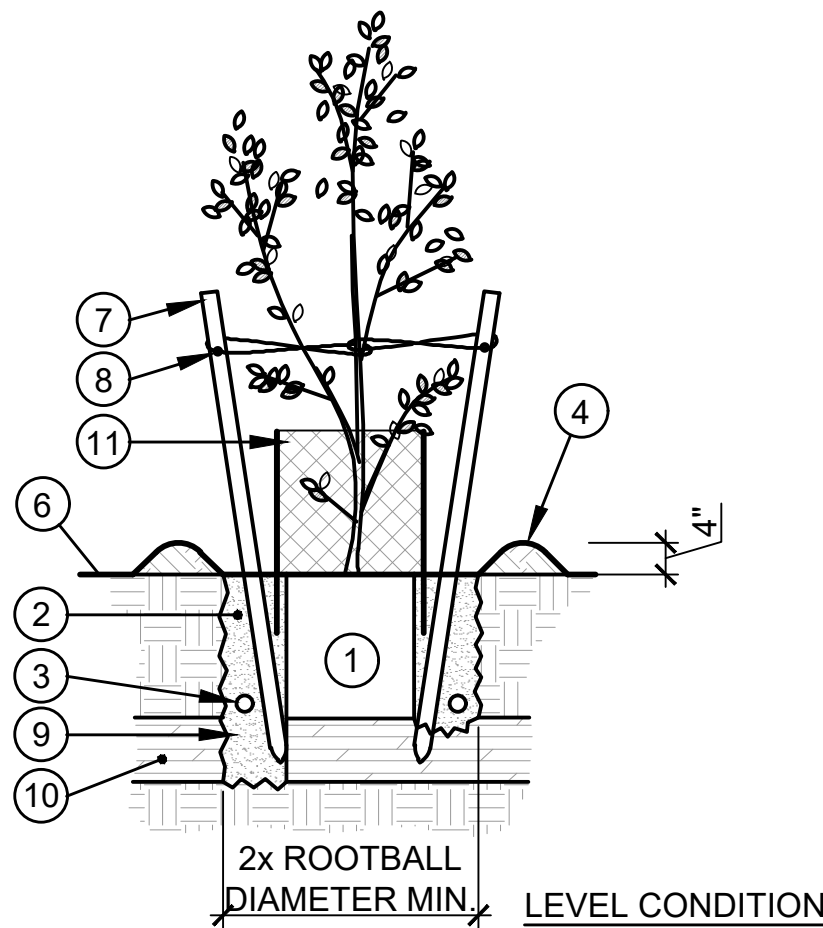
Contact Arizona 811 at least two full working days before you begin excavation.

DRAWING NO.

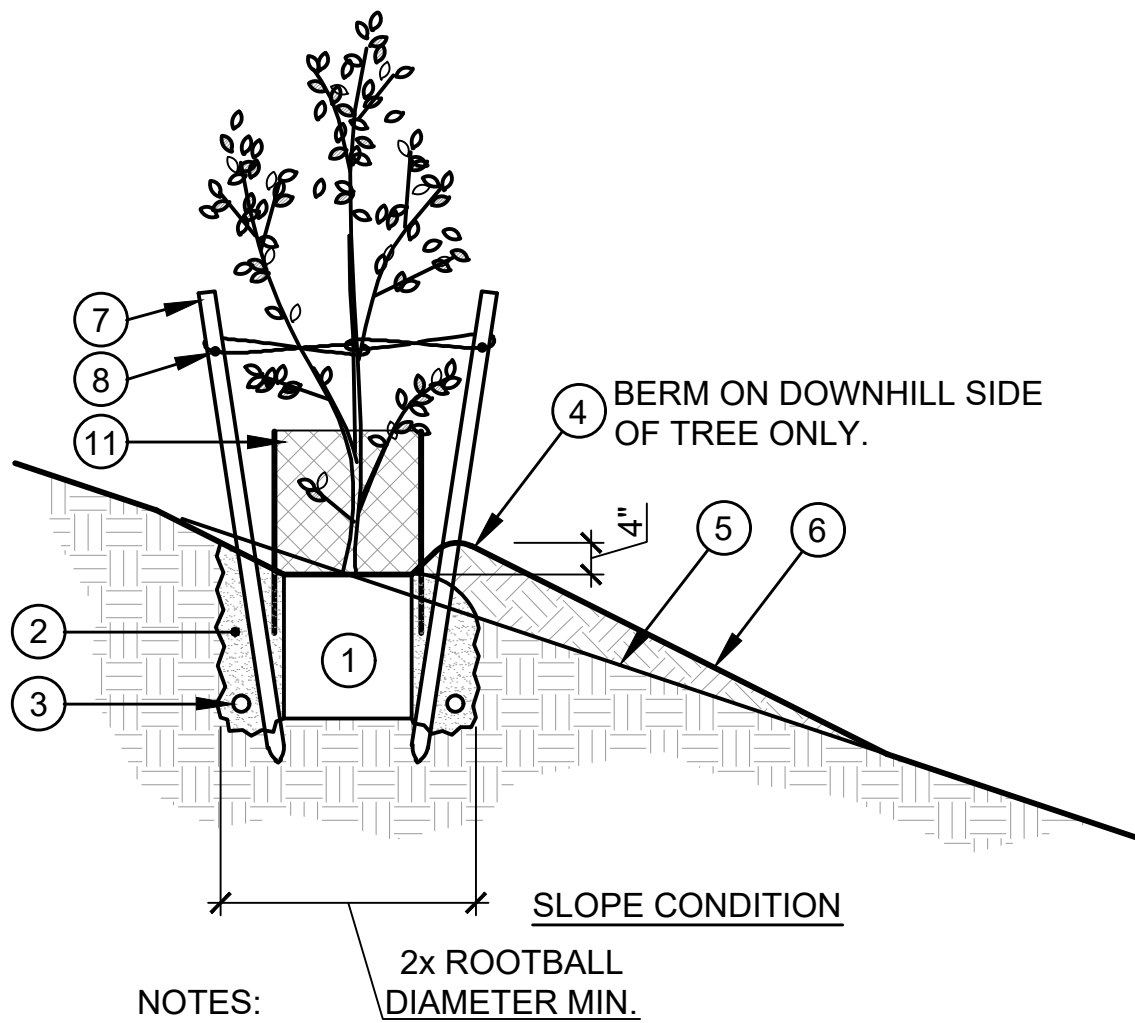
SHEET NO. **4** OF **5**

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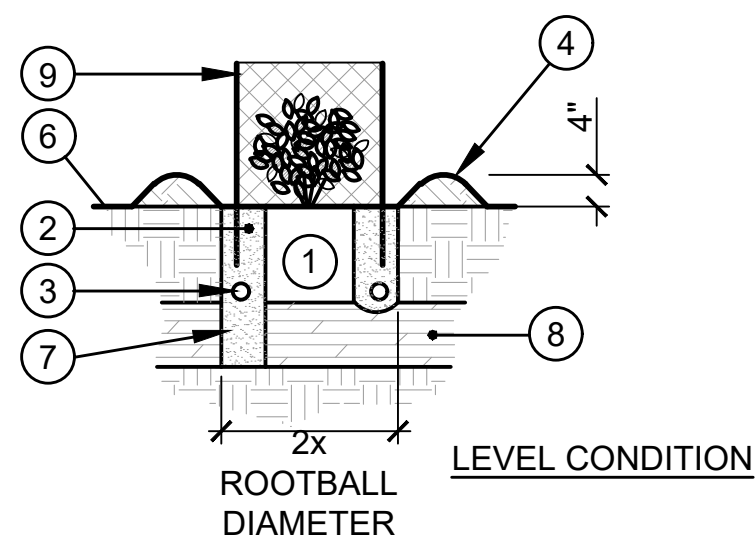
- 1 ROOTBALL. PLACE ON UNDISTURBED NATIVE SOIL AT BOTTOM OF PLANT PIT.
- 2 AMENDED BACKFILL MIX.
- 3 FERTILIZER TABLETS.
- 4 4" HIGH EARTH BERM / MICROBASIN (NOT REQUIRED FOR LEVEL CONDITION IF TREE IS LOCATED IN A DEPRESSED WATER HARVESTING AREA; ALWAYS REQUIRED FOR SLOPE CONDITION.)
- 5 SLOPE GRADE PRIOR TO PLANTING.
- 6 FINISH GRADE.
- 7 (2) 2" DIA. LODGE POLE STAKES. PLACE OUTSIDE OF ROOTBALL.
- 8 BLACK PLASTIC CINCH-TIE WITH ONE TWIST NAILED TO STAKE, OR APPROVED EQUAL. (WIRE TIES WITH RUBBER HOSE IS NOT ACCEPTABLE).
- 9 DRILL 8" DIAMETER CHIMNEY DRAINAGE HOLE AT BOTTOM OF PLANT PIT IF HARDPAN OR CALICHE SOIL LAYER IS ENCOUNTERED.
- 10 HARDPAN OR CALICHE SOIL LAYER.
- 11 BROWSE CAGE. SEE NOTE 6.



- NOTES:
1. TREE STAKES ARE NOT REQUIRED FOR 5 GAL. TREES.
 2. TREE STAKES MAY BE OMITTED IF TREE IS ABLE TO SUPPORT ITSELF UPRIGHT WITHOUT LEANING OR BENDING.
 3. WHEN STAKES ARE INSTALLED, TIES SHOULD BE PLACED AS LOW AS POSSIBLE WHILE STILL PROVIDING NECESSARY SUPPORT. CUT STAKE APPROX. 6" ABOVE TIE TO AVOID BRANCHES RUBBING ON STAKE.
 4. ALL NURSERY STAKES ARE TO BE REMOVED REGARDLESS OF PLANT SIZE.
 5. SCARIFY SIDES OF PLANT PIT TO ELIMINATE SMOOTH SHOVEL CUTS PRIOR TO PLACEMENT OF TREE IN PIT.
 6. CONTRACTOR SHALL INCLUDE BROWSE CAGES FOR ALL TREES AS AN ADDITIVE ALTERNATE IN THE BID. CONTRACTOR SHALL CLOSELY MONITOR TREES FOR WILDLIFE DAMAGE DURING THE MAINTENANCE PERIOD, AND SHALL IMMEDIATELY MAKE A RECOMMENDATION FOR A CORRECTIVE COURSE OF ACTION TO THE OWNER IF WILDLIFE DAMAGE OCCURS OR IS SUSPECTED. SUBMIT BROWSE CAGE SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.

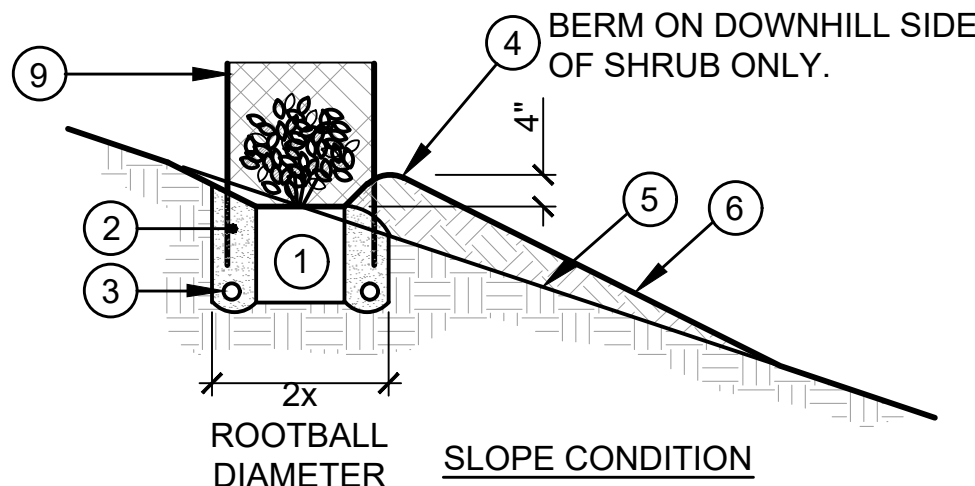
A TREE PLANTING

NOT TO SCALE



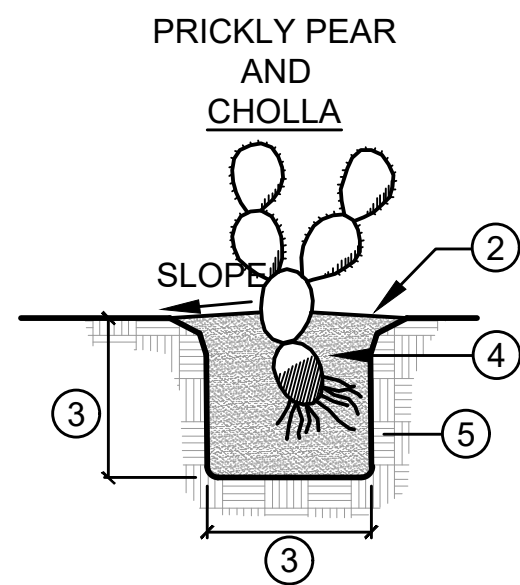
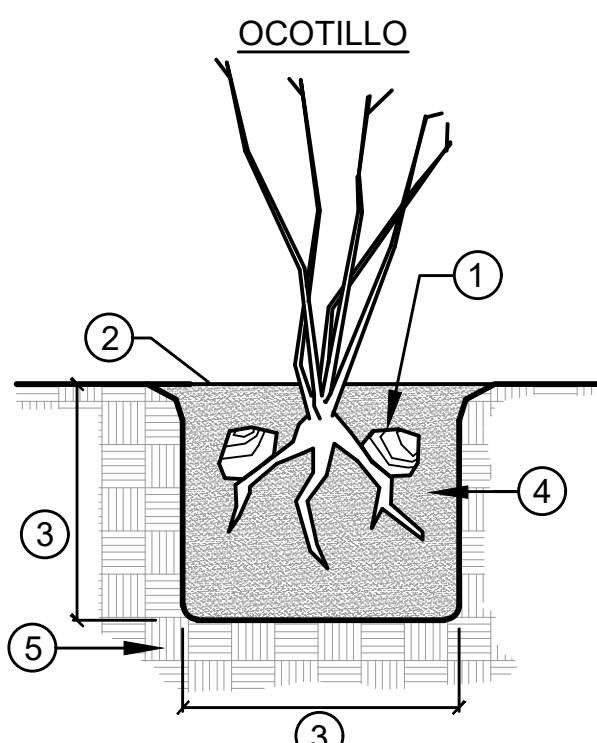
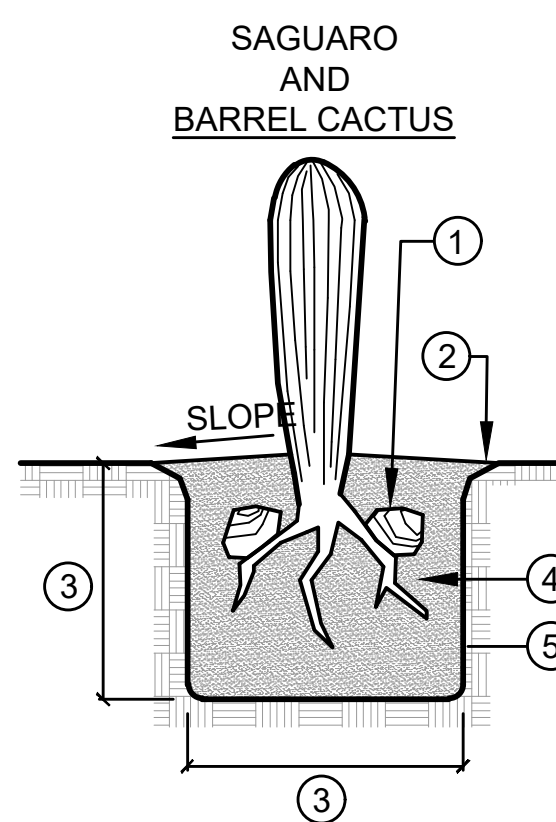
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- 8 HARDPAN OR CALICHE SOIL LAYER.
- 9 BROWSE CAGE. SEE NOTE.

NOTE: CONTRACTOR SHALL INCLUDE BROWSE CAGES FOR ALL SHRUBS AS AN ADDITIVE ALTERNATE IN THE BID. CONTRACTOR SHALL CLOSELY MONITOR SHRUBS FOR WILDLIFE DAMAGE DURING THE MAINTENANCE PERIOD, AND SHALL IMMEDIATELY MAKE A RECOMMENDATION FOR A CORRECTIVE COURSE OF ACTION TO THE OWNER IF WILDLIFE DAMAGE OCCURS OR IS SUSPECTED. SUBMIT BROWSE CAGE SHOP DRAWING FOR APPROVAL PRIOR TO INSTALLATION.



B SHRUB PLANTING

NOT TO SCALE



- NOTES:
1. SET MAIN STEM OF CACTI PLUMB AS VIEWED FROM ALL SIDES.
 2. DO NOT CREATE A BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM STEM.
 3. TREAT ALL BARE ROOTS WITH POWDERED SULFUR.
 4. PRICKLY PEAR ONLY - BURY ONE FULL PAD, MINIMUM.
 5. SAGUARO ONLY - BURY PORTION OF GREEN CACTUS 1/10TH HEIGHT OF CACTUS, UP TO A MAXIMUM OF 24"
 6. OCOTILLO - BURY ROOT SYSTEM SUCH THAT TOP OF ROOT SYSTEM IS 6" (MAX.) BELOW FINISHED GRADE

C CACTI PLANTING

NOT TO SCALE

- 1 SUPPORT CACTI BY PLACING 2-4 ROCKS (1 CU. FT. MIN) ON ROOTS
- 2 FINISH GRADE
- 3 18" MINIMUM
- 4 BACKFILL (1/2 SCREENED NATIVE SOIL AND 1/2 CLEAN SAND)
- 5 UNDISTURBED NATIVE SOIL

SEAL	36734 MARK E. FELLINGER 1/9/26 ARIZONA, USA	3945 E FORT LOWELL RD #111 TUCSON, AZ 85712	520-795-1000 rickengineering.com	SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER	MEF	PROJECT NO: T5577 DATE: 1/2026	landscape details	2500963 RELATED CASES: 2500142 OV99951 [(O) 02-17]	Contact Arizona 911 at least two full working days before you begin excavation ARIZONA 911 Call 911 or click Arizona911.com	DRAWING NO.	SHEET NO. 5 OF 5
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