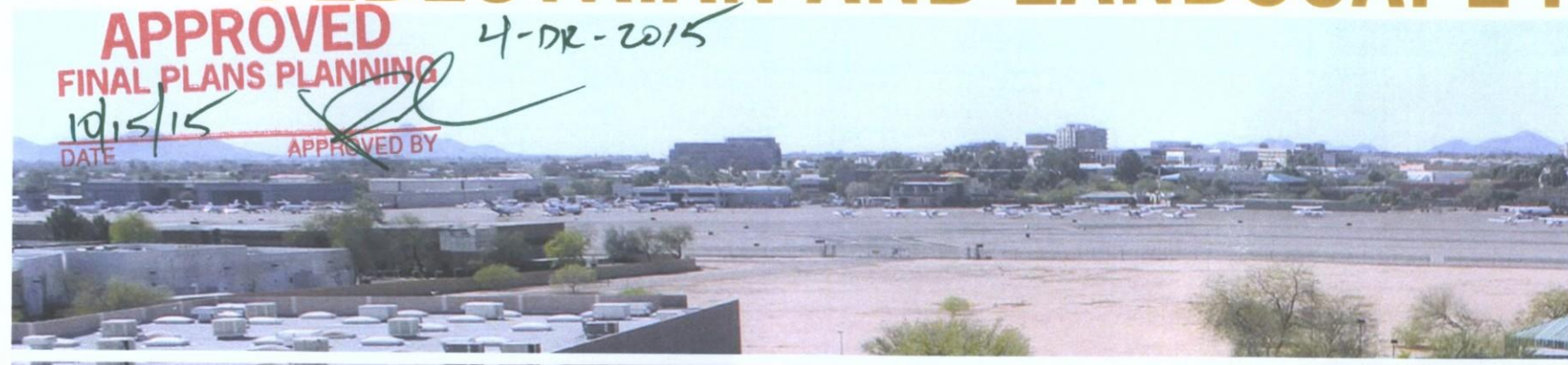


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**Full Size**  
**8.5 x 11**  
**11 x 17**  
**(site plan, landscape, elevations)**



# RAINTREE DRIVE EXTENSION PEDESTRIAN AND LANDSCAPE IMPROVEMENTS

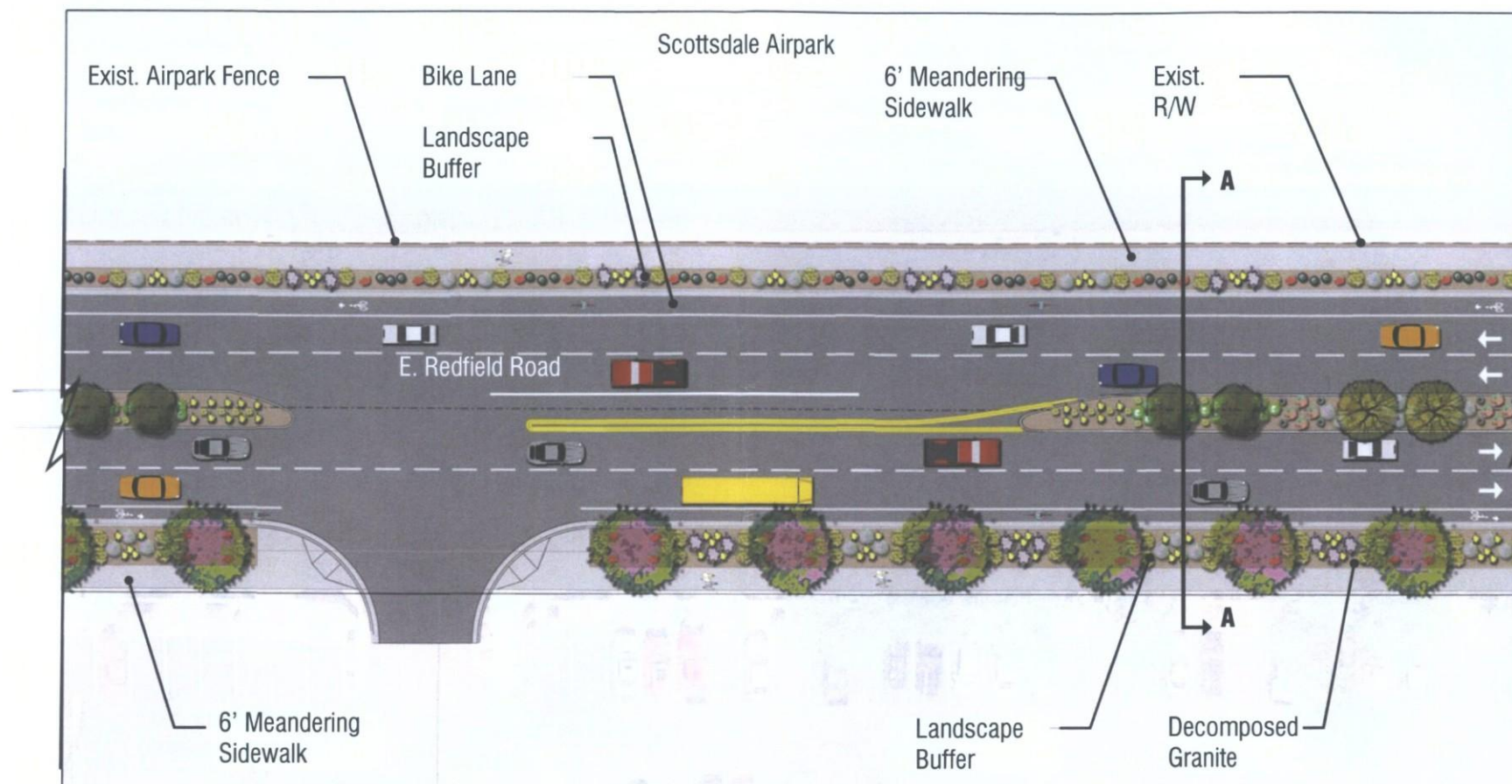


Scottsdale Road to Loop 101 Freeway

September 2013

4-DR-2015  
8/24/15

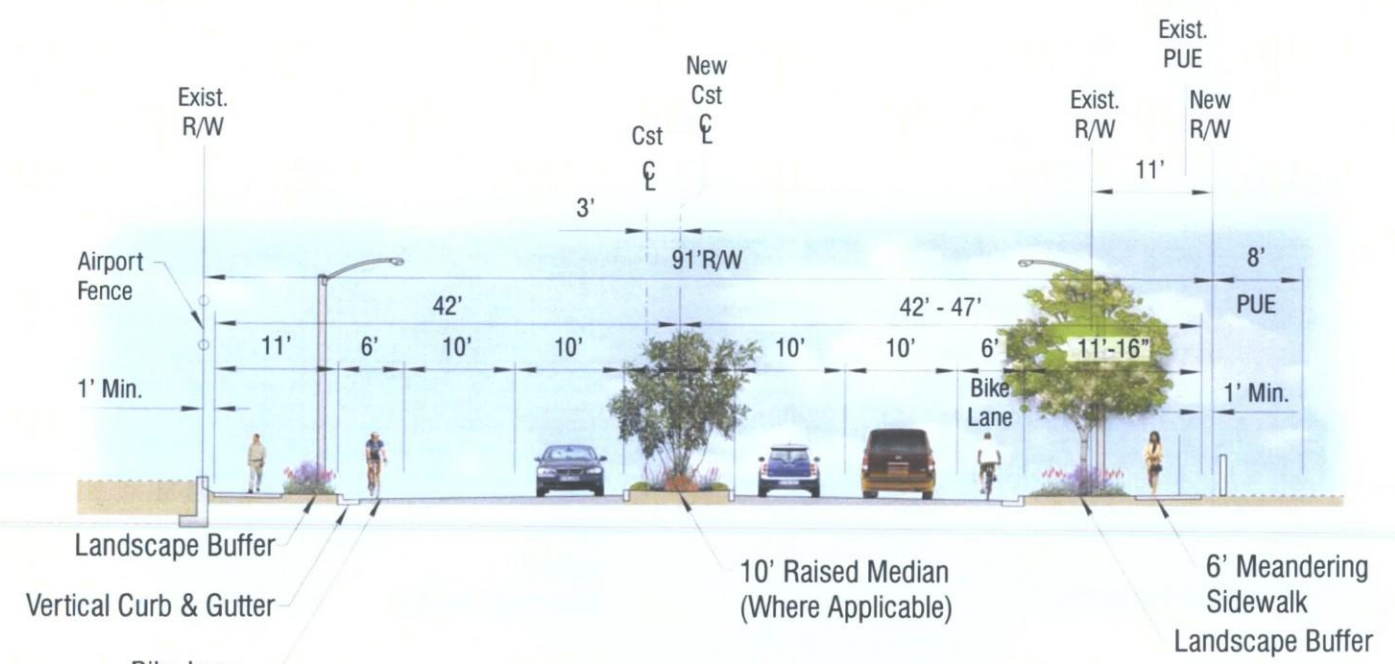




**PLAN VIEW**  
not to scale



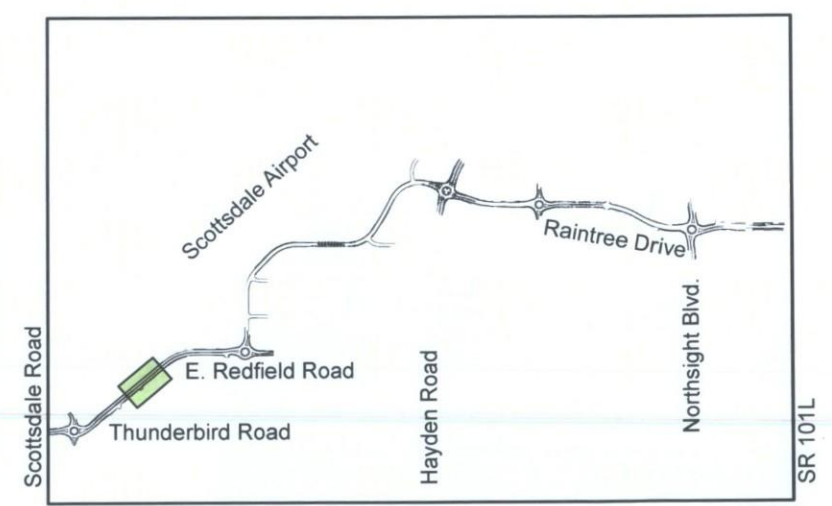
4-DR-2015  
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 APPROVED  
 10/15/15 DATE [Signature] INITIALS



**TYPICAL ROAD SECTION 'A'**  
E. Redfield Rd (East of 73rd Street along Airport Fence)  
not to scale



**PERSPECTIVE**  
View Looking Northeast  
not to scale



**Raintree Drive Extension Alignment**  
not to scale



Decomposed Granite

Landscape and Raised Medians

Center Island with Public Art and Landscape

10' Sidewalk

Exist. Landscape (Adjacent Property)

Landscape Buffer

Truck Apron Stamped Concrete Pattern

Crosswalk



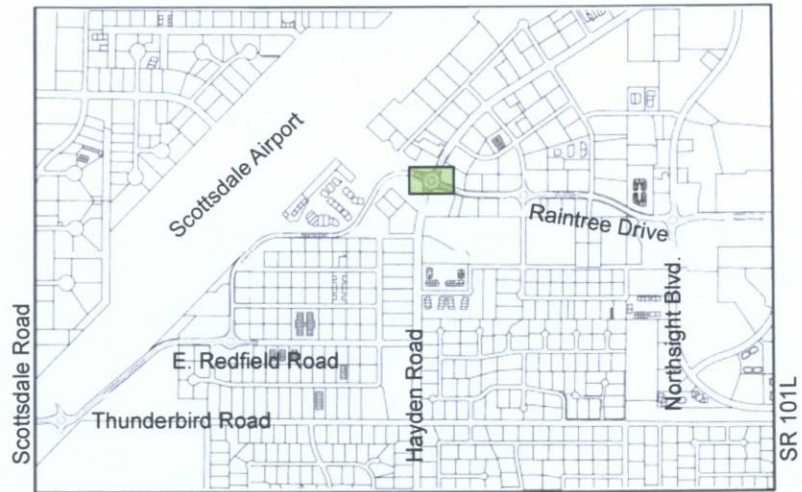
**PLAN VIEW**  
not to scale



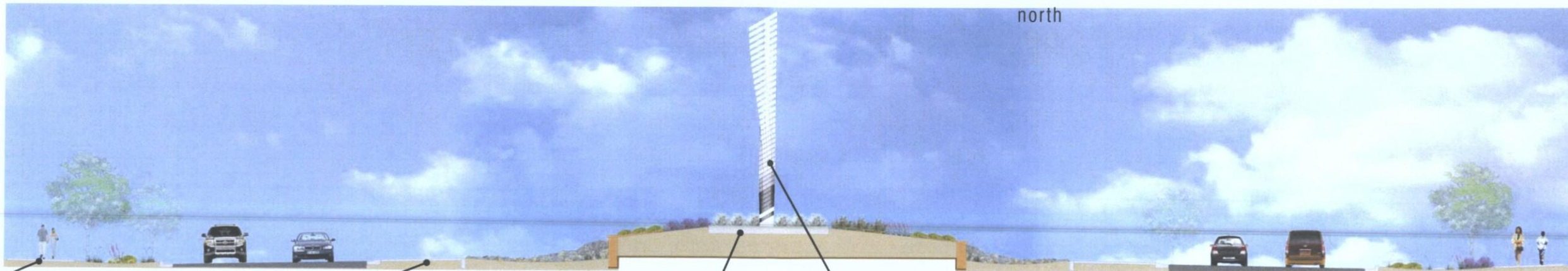
north

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**Raintree Drive Extension Alignment**  
not to scale



10' Sidewalk

Stamped Concrete Truck Apron

Raised Landscaping

Public Art

**ROUNDBABOUT CROSS-SECTION**  
Intersection of Raintree Drive and Hayden Road  
not to scale



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**Acacia aneura**  
Mulga

**Caesalpinia cacalaco**  
Thornless Cacalaco

**Chitalpa tashkentensis**  
**'Pink Dawn'**  
Pink Dawn Chitalpa

**Olea europea 'Swan Hill'**  
Swan Hill Olive

**Olneya tesota**  
Ironwood Tree

**Sophora secundiflora**  
**'Silver Sierra'**  
Silver Texas Mountain Laurel

**Baileya multiradiata**  
Desert Marigold

**Calliandra eriophylla**  
Native Fairy Duster

**Callistemon citrinus 'Little John'**  
Little John Bottle Brush

**Convolvulus cneorum**  
Bush Morning Glory

**Dalea capitata 'Sierra Gold'**  
Sierra Gold Dalea

**Dalea greggii**  
Trailing Indigo Bush

**Tecoma hybrid 'Solar Flare'**  
Solar Flare Esperanza

**Eremophila glabra**  
ssp. **'Winter Blaze'**  
Winter Blaze Carnosa

**Larrea tridentata**  
Creosote Bush

**Leucophyllum zygophyllum**  
**'Cimarron' Sage**  
Lynn's Legacy Sage

**Ruellia brittoniana 'Rosa'**  
Rosa Dwarf Ruellia

**Ruellia peninsularis**  
Desert Ruellia

**Senna covesii**  
Desert Senna

**Aloe 'Blue Elf'**  
Blue Elf Aloe

**Carnegiea gigantea**  
Saguaro

**Dasyliion wheeleri**  
Desert Spoon

**Echinocactus grusonii**  
Golden barrel Cactus

**Fouquieria splendens**  
Ocotillo

**Hesperaloe parviflora**  
x **'Brakelights'**  
Brakelights Hesperaloe

**Opuntia violacea var. 'Santa Rita'**  
Purple Prickley Pear

**Penstemon parryi**  
Parry's Penstemon

**Penstemon superbus**  
Firecracker Penstemon

**Yucca pallida**  
Pale Leaf Yucca

**Secondary Roundabout Planting**  
Assorted Shrubs and Cacti

**Landmark Roundabout Planting**  
Assorted Shrubs and Cacti

**"Structured Southwest Xeric" Landscape Theme Narrative**

The new landscape design character of the proposed improvements within the Raintree Drive Extension project limits has a "Structured Southwest Xeric" theme emphasizing transparency in the planting design which takes on a structured pattern approach with a combination of plant material, hardscape & aesthetic elements, and the integration of public art. The landscape plantings will reflect a formal planting design—with a noticeable geometric structure and rhythm. There will be a fundamental notion of repetition as a device to organize the plant material and selected adjacent open spaces creating a cohesive and visually interesting planting design framework throughout the Raintree Drive Extension corridor. The primary street tree is the Catalpa (Chitalpa x tashkentensis 'Pink Dawn'). The Chitalpa tree will frame the Raintree Drive Extension corridor and be planted in the landscape buffers adjacent to the roadway. The Chitalpa tree will be supported with secondary trees, shrubs, groundcovers and accent plants native to Arizona's intermediate desert and a selected mixture of subtropical plants characterized by dense greenery and rich, vibrant color. All plant material is listed on the Arizona Department of Water Resources low water use, drought tolerant plant list and is in compliance with the City's Design Guidelines with specific attention to the Greater Airport Character Area Plan. These plant selections also serve as a helpful piece of a functional urban ecosystem. The landscape planting areas will be finished with a natural topping of decomposed granite (two inches minimum depth) and supported by an automatic drip irrigation system. Sustainability principles will be integrated in the landscape design reflected in the use of relocated salvaged native plants, water harvesting principles, selective use of decomposed granite, angular crushed rock and surface select boulders used as ground plane surfacing materials in planting buffers, swales, and berms. In addition, the use of photovoltaic electrical power for accent lighting, transit shelter lighting and wayfinding signage will be incorporated into the landscape and roadway improvements.

**PLANT LEGEND**

**TREES**

**SYMBOL**

**BOTANICAL NAME**








**COMMON NAME**

-  **Caesalpinia cacalaco** Thornless Cacalaco
-  **Chitalpa tashkentensis 'Pink Dawn'** Pink Dawn Chitalpa
-  **Olea europea 'Swan Hill'** Swan Hill Olive
-  **Olea tesota - salvaged** Ironwood Tree
-  **Olneya tesota** Ironwood Tree
-  **Pistacia x 'Red Push'** Red Push Pistache
-  **Sophora secundiflora 'Silver Sierra'** Silver Texas Mountain Laurel

**SHRUBS & GROUNDCOVERS**

-  **Baileya multiradiata** Desert Marigold
-  **Calliandra eriophylla** Native Fairy Duster
-  **Callistemon citrinus 'Little John'** Little John Bottle Brush
-  **Convolvulus cneorum** Bush Morning Glory
-  **Dalea capitata 'Sierra Gold'** Sierra Gold Dalea
-  **Dalea greggii** Trailing Indigo Bush
-  **Eremophila glabra ssp. 'Winter Blaze'** Winter Blaze Carnosa
-  **Larrea tridentata** Creosote Bush
-  **Leucophyllum zygophyllum 'Cimarron'** Cimarron Sage
-  **Ruellia brittoniana 'Rosa'** Rosa Dwarf Ruellia
-  **Ruellia peninsularis** Desert Ruellia
-  **Senna covesii** Desert Senna
-  **Tecoma hybrid 'Solar Flare'** Solar Flare Esperanza

**ACCENTS**

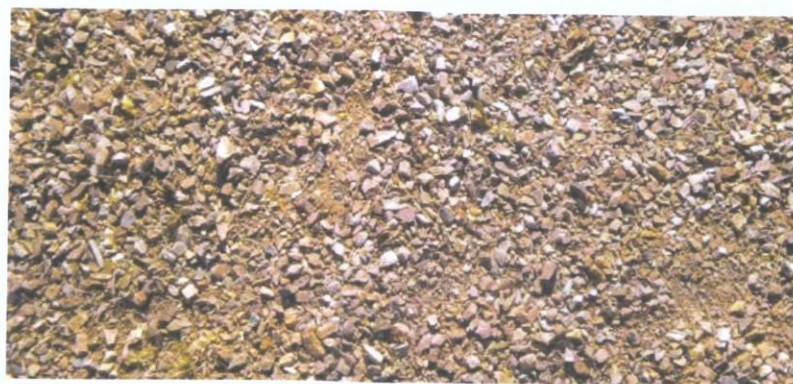
-  **Agave desmettiana** Smooth Agave
-  **Agave havardiana** Harvard Agave
-  **Agave parryi** Parry's Agave
-  **Agave vilmoriniana** Octopus Agave
-  **Aloe 'Blue Elf'** Blue Elf Aloe
-  **Carnegiea gigantea** Saguaro
-  **Carnegiea gigantea - salvaged** Saguaro
-  **Dasyliion wheeleri** Desert Spoon
-  **Echinocactus grusonii** Golden Barrel Cactus
-  **Euphorbia antisyphilitica** Candelilla
-  **Fouquieria splendens - salvaged** Ocotillo
-  **Fouquieria splendens** Ocotillo
-  **Hesperaloe parviflora 'Brakelights'** Brakelights Hesperaloe
-  **Opuntia violacea var. 'Santa Rita'** Purple Prickly Pear
-  **Penstemon parryi** Parry's Penstemon
-  **Penstemon superbus** Firecracker Penstemon
-  **Yucca pallida** Pale Leaf Yucca
-  **Yucca recurvifolia** Pendulous Yucca

4-DR-2015  
**STIPULATION SET**  
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**APPROVED**  
 10/15/15  
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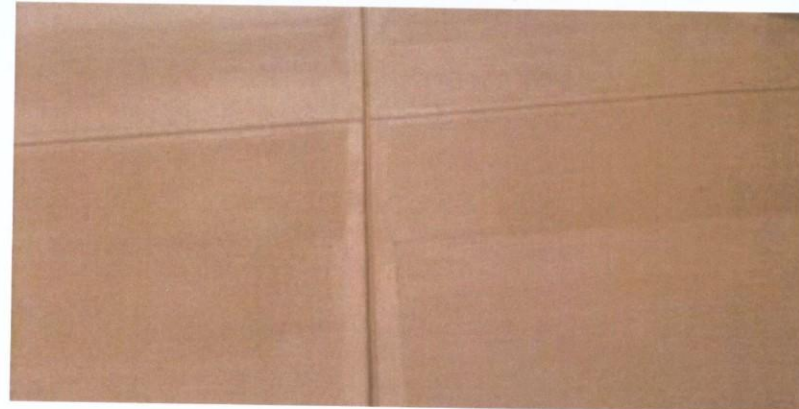
**Median Pavers**  
Color: Mojave Blend, Patter: Random, MFG: Ackerstone



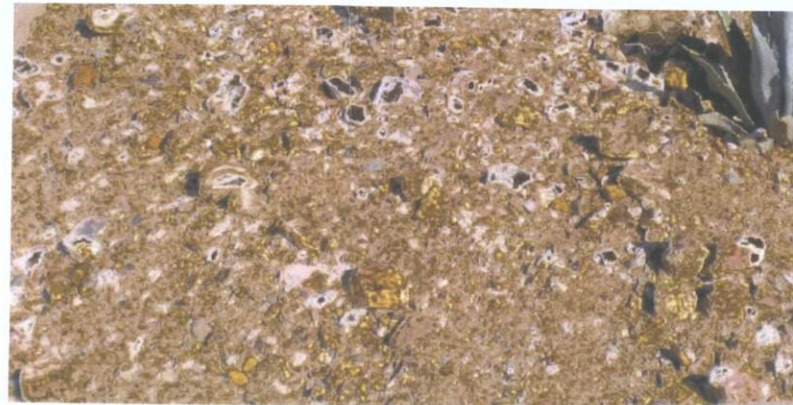
**Decomposed Granite**  
Color: Desert Gold



**Custom Seatwall with cast-in-place cap and aesthetic exterior treatment**



**Colored Concrete Pavement**



**3" Granite Rubble**  
Color: Express Brown



**Custom Seatwalls and Art Plinths with cast-in-place cap and aesthetic exterior treatment**



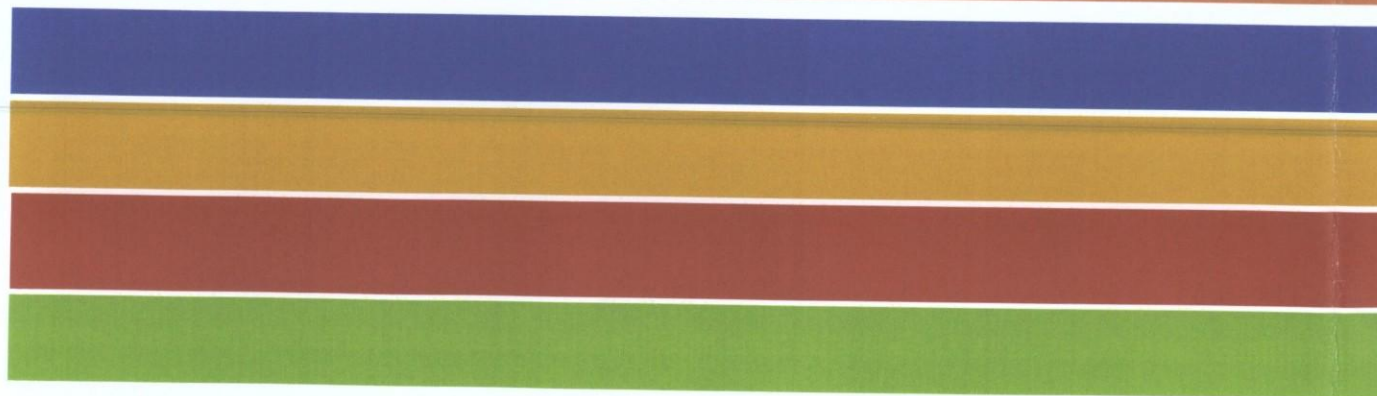
**6"-18" Rip Rap**  
Color: Express Brown



**Granite Boulders**  
Color: Salvaged On-site Boulders



**Textured Concrete Retaining Wall at Secondary Roundabout**



4-DE-2015  
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# LANDSCAPE GENERAL NOTES

# PLANT SCHEDULE:

## CITY OF SCOTTSDALE LANDSCAPE NOTES

1. A MINIMUM OF 50 PERCENT OF THE PROVIDED TREES SHALL BE MATURE TREES, PURSUANT TO THE CITY OF SCOTTSDALE ZONING ORDINANCE ARTICLE X, SECTION 10.301, AS DEFINED IN THE CITY OF SCOTTSDALE ZONING ORDINANCE ARTICLE III, SECTION 3.100.
2. A SINGLE TRUNK TREE'S CALIPER SIZE, THAT IS TO BE EQUAL TO OR LESS THAN 4-INCHES, SHALL BE DETERMINED BY UTILIZING THE SMALLEST DIAMETER OF THE TRUNK 6-INCHES ABOVE FINISHED GRADE ADJACENT TO THE TRUNK.
3. AREAS WITHIN THE SIGHT DISTANCE TRIANGLES IS TO BE CLEAR OF LANDSCAPING, SIGNS, OR OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAN 18 INCHES. TREES WITHIN THE SAFETY TRIANGLE SHALL HAVE A CANOPY THAT BEGINS AT 8 FEET IN HEIGHT UPON INSTALLATION. ALL HEIGHTS ARE MEASURED FROM THE ROADWAY SURFACE AS PER COS DS&PM SECTION 5-3 (GEOMETRICS).
4. NO NEW TURF AREAS ARE TO BE PROVIDED. ALL RIGHTS-OF-WAY AND ADJACENT PROPERTY AREAS WHERE EXISTING TURF AREAS HAS BEEN DESTROYED, DAMAGED, OR EXPIRES BY CONSTRUCTION SHALL BE RESTORED AS PER THE PLANS AND SPECIFICATIONS.
5. ALL RIGHTS-OF-WAY AND ADJACENT PROPERTY AREAS DAMAGED AND RESTORED SHALL BE MAINTAINED BY THE PROPERTY OWNER ONCE FINAL ACCEPTANCE HAS BEEN ISSUED BY THE INSPECTING COS ENGINEER.
6. NO NEW LANDSCAPE LIGHTING APPROVED WITH THE SUBMITTAL.
7. ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVAL BY THE CITY.
8. NEW LANDSCAPING AND LANDSCAPING INDICATED TO REMAIN, WHICH IS DESTROYED, DAMAGED, OR EXPIRES DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE SIZE, KIND, AND QUANTITY PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY/ LETTER OF ACCEPTANCE TO THE SATISFACTION OF THE INSPECTING ENGINEER.
9. A PHYSICAL SEPARATION (CONCRETE CURBING) SHALL BE INSTALLED PER THE MOST CURRENT VERSION OF THE COS SUPPLEMENT TO MAG SPECIFICATIONS AND DETAILS SECTION 430 AND COS DESIGN STANDARDS AND POLICY MANUAL.
10. ALL LANDSCAPING SHALL BE INSTALLED PER THE MOST CURRENT VERSION OF THE COS SUPPLEMENT TO MAG SPECIFICATIONS AND DETAILS SECTION 430 AND COS DESIGN STANDARDS AND POLICY MANUAL.

## LANDSCAPE PLANTING NOTES

1. THE LANDSCAPE CONTRACTOR SHALL REVIEW THIS PROJECT WITH THE CITY ENGINEER PRIOR TO STARTING WORK.
2. SHOULD THE LANDSCAPE CONTRACTOR HAVE ANY QUESTIONS REGARDING THESE PLANS AND SPECIFICATIONS OR SHOULD THERE BE ANY DISCREPANCIES, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER FOR CLARIFICATION BEFORE PROCEEDING FURTHER WITH ANY OTHER WORK.
3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH THE UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
4. THE LANDSCAPE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
5. THE LANDSCAPE CONTRACTOR SHALL VERIFY AND ACCEPT ALL SITE CONDITIONS AND ROUGH GRADES PRIOR TO STARTING ANY WORK.
6. ALL NEW TREES SHALL MEET THE ARIZONA NURSERY ASSOCIATION STANDARD TREE SPECIFICATIONS FOR HEIGHT, WIDTH AND CALIPER UNLESS INDICATED OTHERWISE ON THESE PLANS.
7. THE CITY ENGINEER RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED UNACCEPTABLE UPON DELIVERY TO THE SITE. SEE SPECIFICATIONS.
8. ANY AND ALL SUBSTITUTIONS SHALL BE APPROVED BY THE CITY ENGINEER.
9. ALL NON-TURF PLANTING AREAS SHALL BE COVERED TO A MINIMUM DEPTH OF 2 INCHES WITH DECOMPOSED GRANITE AS PER THESE PLANS AND SPECIFICATIONS.
10. DECOMPOSED GRANITE SHALL BE EXTENDED UNDER TREES, SHRUBS AND GROUND COVER ENDING NO LESS THAN 2 INCHES FROM TREE TRUNKS, SHRUB AND GROUND COVER STEMS.
11. LANDSCAPE CLEARANCE SHALL BE PROVIDED (3' MINIMUM DISTANCE) TO PREVENT CONFLICT WITH SIGNS, LIGHT POLES, FIRE HYDRANTS OR MEDIAN CROSSINGS.
12. COORDINATE SHRUB AND TREE PLANTING INSTALLATION WITH CITY ENGINEER. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
13. STAKE ALL TREES WHEN PLANTED. MAINTAIN LANDSCAPING INCLUDING: WEEDING, MOWING AND FERTILIZING. SEE SPECIFICATIONS.
14. APPLY PRE-EMERGENT HERBICIDE AS PER THE SPECIFICATIONS TO ALL NEW PLANTING AREAS.
15. THE PLANTING DESIGN MAY BE MODIFIED TO ADAPT TO WALK CONFIGURATION CHANGES AND GRADE VARIATIONS ON-SITE ONLY WITH THE CITY ENGINEERS APPROVAL.
16. THE FINISH GRADE OF ALL DECOMPOSED GRANITE PLANTING AREAS SHALL BE 2 INCHES BELOW TOP OF CURBS AND 1 INCH BELOW TOP OF SIDEWALKS (PER COS DETAIL #2210).
17. THE LANDSCAPE CONTRACTOR SHALL PROVIDE ALL AGRONOMY AND MATERIAL TESTING AND SHALL COMPLY WITH THE TESTING LABS RECOMMENDATIONS AS PER THE SPECIFICATIONS. SUBMIT ALL TESTING REPORTS TO THE CITY ENGINEER FOR REVIEW.
18. WATER TEST ALL TREE PLANTING HOLES PRIOR TO PLANTING. IF PLANTING HOLES DO NOT DRAIN AS PER THE SPECIFICATIONS, DO NOT PLANT AND CONTACT THE CITY ENGINEER TO APPROVE THE USE OF HARDPAN PLANTING PROCEDURES AND DETAILS.
19. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR 100 PERCENT IRRIGATION COVERAGE TO ALL PLANT MATERIAL WITHIN THE PROJECT LIMITS AND A CONTINUOUS IRRIGATION WATER SUPPLY WITH NO INTERRUPTIONS FROM THE EXISTING IRRIGATION MAINLINE TO PLANT MATERIAL BEYOND THE PROJECT LIMITS.
20. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE FINE GRADING (+0.1 FOOT) OF ALL MOUNDS, SWALES AND FLOOD IRRIGATION BERMS.
21. THE LANDSCAPE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT SHOWN ON THESE PLANS.
22. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING, MAINTAINING AND THE GUARANTEE OF ALL LANDSCAPING AS PER THE PLANS AND SPECIFICATIONS.
23. SEE IRRIGATION PLANS FOR A COMPLETE EMITTER SCHEDULE.

GENUS/SPECIES	COMMON NAME	QTY	SIZE	REMARKS
<b>TREES:</b>				
Acacia aneura	Mulga	XX	36" Box	Single Trunk
Caesalpinia cacalaco	Thornless Cacalaco	XX	36" Box	Single Trunk
'Smoothie'		XX	36" Box	Single Trunk
Chitalpa tashkentensis	'Pink Dawn' Chitalpa			
'Pink Dawn'		XX	36" Box	Single Trunk
Olea europaea 'Swan Hill'	'Swan Hill' Olive	XX	Salvaged	Varies
# Olneya tesota - Salvaged	Ironwood Tree	XX	36" Box	Single Trunk
Δ Olneya tesota	Ironwood Tree	XX	36" Box	Multi-Trunk
Sophora secundiflora	Silver Texas Mountain			
'Silver Sierra'	Laurel			
<b>SHRUBS:</b>				
Baileya multiradiata	Desert Marigold	XX	1 Gal.	Container Full
Calliandra eriophylla	Native Fairy Duster	XX	5 Gal.	Container Full
Callistemon citrinus	Little John Bottle Brush	XX	1 Gal.	Container Full
'Little John'				
Convolvulus cneorum	Bush Morning Glory	XX	5 Gal.	Container Full
Dalea capitata 'Sierra Gold'	'Sierra Gold' Dalea	XX	1 Gal.	Container Full
Dalea greggii	Trailing Indigo Bush	XX	1 Gal.	Container Full
Eremophila glabra ssp.	Carnosa 'Winter Blaze'	XX	5 Gal.	Container Full
'Winter Blaze'				
Larrea tridentata	Creosote	XX	5 Gal.	Container Full
Leucophyllum zygophyllum	Cimarron Sage	XX	5 Gal.	Container Full
'Cimarron'				
Ruellia brittoniana 'Rosa'	Rosa Dwarf Ruellia	XX	1 Gal.	Container Full
Ruellia peninsularis	Desert Ruellia	XX	5 Gal.	Container Full
Senna covesii	Desert Senna	XX	5 Gal.	Container Full
Tecoma hybrid 'Solar Flare'	Solar Flare Esperanza	XX	15 Gal.	Container Full
<b>ACCENTS/CACTI:</b>				
Agave desmettiana	Smooth Agave	XX	5 Gal.	Container Full
Agave havardiana	Harvard Agave	XX	5 Gal.	Container Full
Agave parryi	Parry's Agave	XX	5 Gal.	Container Full
Agave vilmoriniana	Octopus Agave	XX	5 Gal.	Container Full
Aloe 'Blue Elf'	Blue Elf Agave	XX	3 Gal.	Container Full
Carnegiea gigantea	Salvaged Saguaro	XX	Varied Ht.	Tag # Corresponds to Inventory/Salvage Plan
Carnegiea gigantea	Saguaro	XX	6'-8' Ht. Spear	Note North Orientation and Plant to Match
Dasyliion wheeleri	Desert Spoon	XX	5 Gal.	
Echinocactus grusonii	Golden Barrel Cactus	XX	12" Dia. Min.	Note North Orientation and Plant to Match
Euphorbia antispyphillica	Candelilla	XX	5 Gal.	
# Fouquieria splendens	Salvaged Ocotillo	XX	Varied Ht.	Tag # Corresponds to Inventory/Salvage Plan
Fouquieria splendens	Ocotillo	XX	5 Gal.	8-10 Canes/8" Ht.
Hesperaloe parviflora	Brakelights Hesperaloe	XX	5 Gal.	Container Full
x 'Brakelights'				
Opuntia violacea var.	Purple Prickly Pear	XX	5 gal.	Bareroot, See Details
'Santa Rita'				
Penstemon parryi	Parry's Penstemon	XX	1 Gal.	Container Full
Penstemon superbus	Firecracker Penstemon	XX	1 Gal.	Container Full
Yucca pallida	Pale Leaf Yucca	XX	5 Gal.	Container Full
Yucca recurvifolia	Pendulous Yucca	XX	5 Gal.	Container Full

## SURFACE MATERIALS SCHEDULE:

SYMBOL	DESCRIPTION	QTY
	1/2" Screened DG at 2" Depth Color: Desert Gold	XX
	6" to 18" Rip Rap See Sheet LD03 for Depth and Placement Variation Color: Express Brown	XX
	3" Granite Rubble at 3" Depth Color: Express Brown	XX
	Decomposed Granite to Match Adjacent Property per COS Std 2210 and 2620.1 Color: To Match Adjacent	XX
	Iron Age Tree Grate 'Sonoma' (3'x3')	XX

BOULDERS: APPROXIMATE SIZES	QTY
A - Small (2'x2'x2') Salvaged & Relocated from On-Site	xx
B - Medium (3'x3'x3') Salvaged & Relocated from On-Site	xx
C - Large (4'x4'x4') Salvaged & Relocated from On-Site	xx

Notes:  
1. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

STIPULATION SET  
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10/15/15  
DATE

INITIALS

4-DR-2015  
2/17/2015

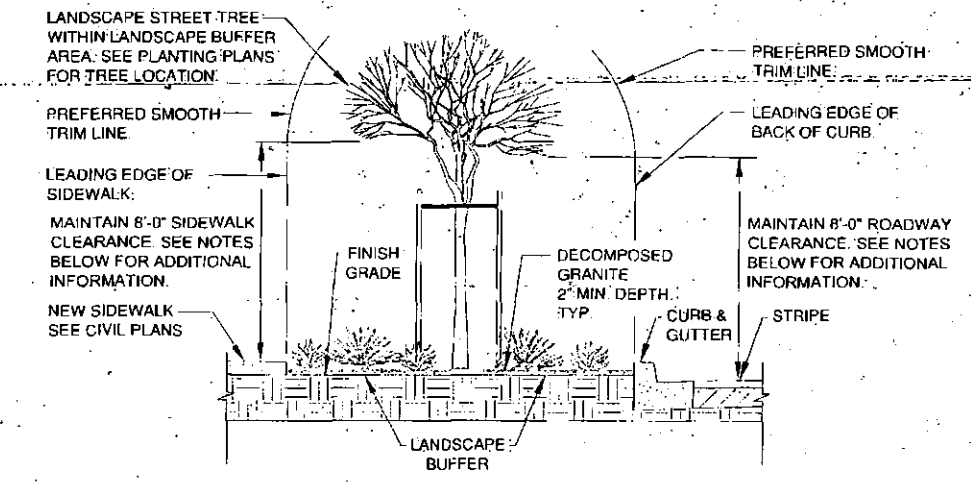
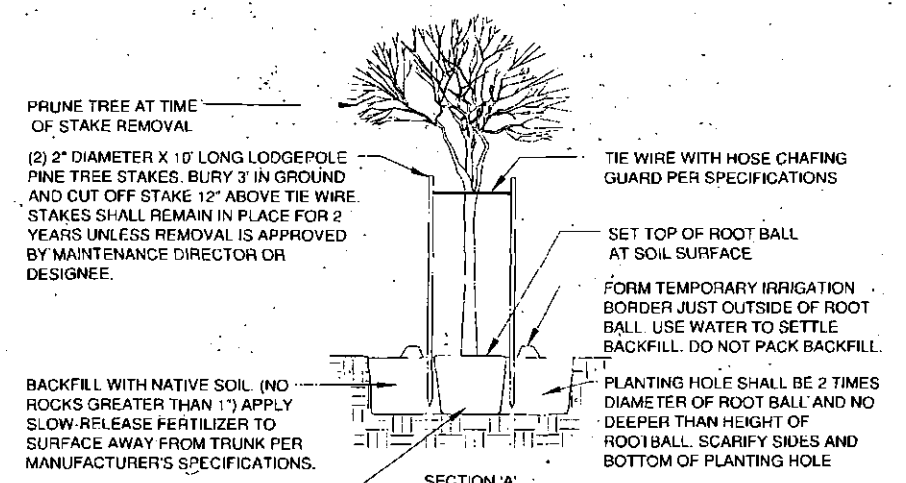
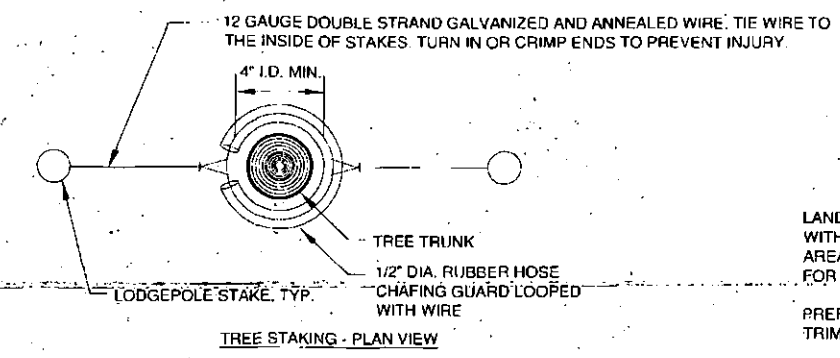
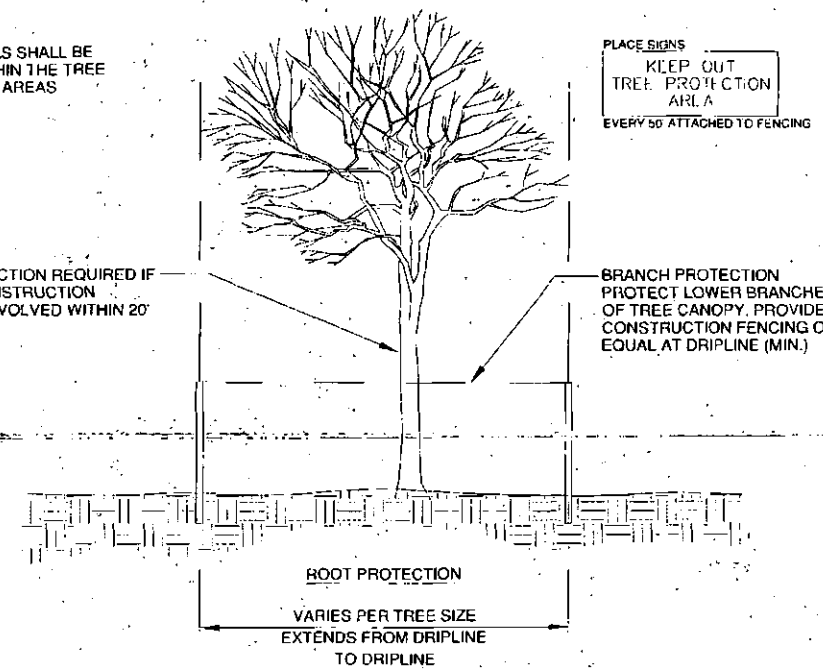
(48 SHEETS)

Notes:  
1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY
ENGINEER	PRELIMINARY	
	30%	
	NOT FOR CONSTRUCTION OR RECORDING	
<b>LANDSCAPE GENERAL NOTES</b>		
<b>PROJECT TITLE</b> RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
BID NO.		SHT.
PROJECT NO.		LNOI
1103		152 of 297



NOTE:  
 NO MATERIALS SHALL BE STORED WITHIN THE TREE PROTECTION AREAS



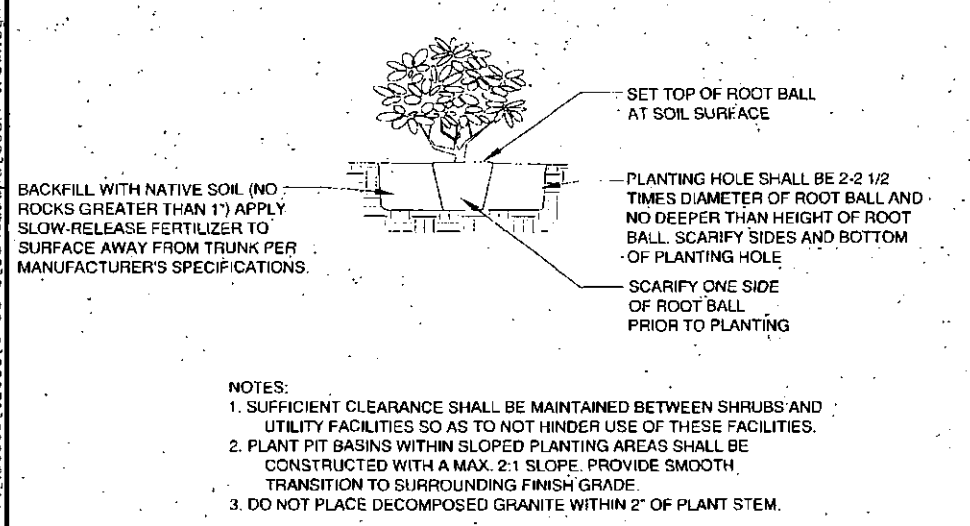
- NOTES:
- ALL TREES TO BE PROTECTED WITHIN THE CONSTRUCTION AREA SHALL BE IDENTIFIED WITH WHITE SURVEY TAPE WRAPPED AROUND THE TRUNK. GROUPING OF MORE THAN ONE TREE WITHIN THE TREE PROTECTION ZONE MAY OCCUR TO PREVENT TREE SMOTHERING, SOIL STOCKPILES, SUPPLIES, EQUIPMENT OR ANY OTHER MATERIAL SHALL NOT BE PLACED OR STORED WITHIN A TREE DRIP LINE OR WITHIN 25 FEET OF A TREE TRUNK, WHICHEVER IS GREATER.
  - TRENCHES SHALL BE HAND DUG WITHIN THE DRIP LINE IN AREAS WHERE ROOTS TWO INCHES IN DIAMETER AND GREATER ARE PRESENT, OR WHEN IN CLOSE PROXIMITY TO LOW BRANCHING TREES. WHENEVER POSSIBLE, ROOTS TWO INCHES OR GREATER IN DIAMETER SHALL BE TUNNELED OR BORED UNDER AND SHALL BE COVERED TO PREVENT DEHYDRATION. TREE ROOTS SHALL NOT BE CUT UNLESS CUTTING IS UNAVOIDABLE. WHEN ROOT CUTTING IS UNAVOIDABLE, A CLEAN SHARP CUT WITH AN APPROVED PRUNING SAW SHALL BE MADE TO AVOID SHREDDING OR SMASHING. ROOT CUTS SHOULD BE MADE BACK TO A LATERAL ROOT. WHENEVER POSSIBLE, TREE ROOTS SHOULD BE CUT BETWEEN LATE FALL AND BUD OPENING. WHEN ROOT ENERGY SUPPLIES ARE HIGH AND CONDITIONS ARE LEAST FAVORABLE FOR DISEASE-CAUSING AGENTS. EXPOSED ROOTS SHALL BE COVERED IMMEDIATELY TO PREVENT DEHYDRATION. ROOTS SHALL BE COVERED WITH SOIL OR BURLAP AND KEPT MOIST. BACKFILL MATERIAL AROUND DAMAGED ROOTS SHALL BE A LIGHT MULCH/SAND MIXTURE TO PROMOTE ROOT RECOVERY.
  - WATERING OF PROTECTED TREES IN WHICH ROOTS WERE CUT SHALL BE PROVIDED BY THE CONTRACTOR. WATERING SCHEDULE TO BE ESTABLISHED BY CITY ARBORIST.
  - HORIZONTAL BORING RATHER THAN TRENCHING SHOULD BE USED FOR UTILITY PLACEMENT WITHIN DRIP LINE OF TREE WHENEVER POSSIBLE.
  - FENCING MATERIAL SHALL ENCIRCLE ANY TREE WHOSE OUTER DRIP LINE EDGE IS WITHIN 25 FEET OF ANY CONSTRUCTION ACTIVITIES.
  - FENCING MATERIAL SHALL BE ORANGE CONSTRUCTION FENCE A MINIMUM OF 4 FEET IN HEIGHT.
  - FENCING MATERIAL SHALL BE SET AT THE DRIP LINE OR 25 FEET FROM TREE TRUNK, WHICHEVER IS GREATER, AND MAINTAINED IN AN UPRIGHT POSITION THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
  - ANY GRADE CHANGES OR RETAINING WALL/TREE WELL INSTALLATION WITHIN THE DRIP LINE SHALL BE APPROVED BY CITY.

- NOTES:
- SUFFICIENT CLEARANCE SHALL BE MAINTAINED BETWEEN SHRUBS AND UTILITY FACILITIES SO AS TO NOT HINDER USE OF THESE FACILITIES.
  - PLANT PIT BASINS WITHIN SLOPED PLANTING AREA SHALL BE CONSTRUCTED WITH A MAX. 2:1 SLOPE. PROVIDE SMOOTH TRANSITION TO SURROUNDING FINISH GRADE.
  - DO NOT PLACE DECOMPOSED GRANITE WITHIN 2' OF PLANT STEM.

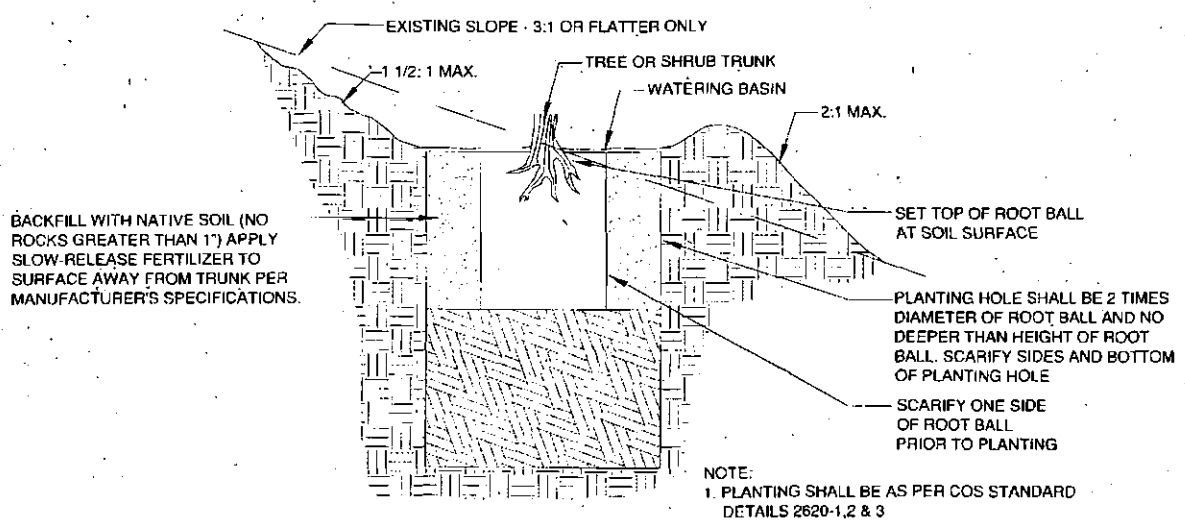
**1 TREE PROTECTION**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-4 SCALE: NTS

**2 STANDARD TREE PLANTING**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-1 SCALE: NTS

**3 STREET TREE CANOPY CLEARANCES - SIDEWALK & ROADWAY**  
 SCALE: NTS



**4 SHRUB PLANTING**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-1 SCALE: NTS



**5 TREE & SHRUB ON SLOPE PLANTING**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-3 SCALE: NTS

ARIZONA BLUE STAKE  
 CALL TWO WEEKS BEFORE YOU DIG  
 811 OR 602-263-1100  
 1-800-STAKE-IT  
 (CAPITOL WATERLOO COUNTY)

DATE	REVISION	BY
ENGINEER	PRELIMINARY	
	<b>30%</b>	
	NOT FOR CONSTRUCTION OR RECORDING	
		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b>
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
<b>LANDSCAPE DETAILS</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ.	RC/DD	06/14
VERT.	DRAWN	AS-BUILT
	J2CAD	
BID NO.		SHT.
PROJECT NO.		LD01
51103		153 OF 297

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PLOT DATE: 6/17/2014 4:27:55 PM

PLANT AT DEPTH WHICH PLANT WAS GROWN.

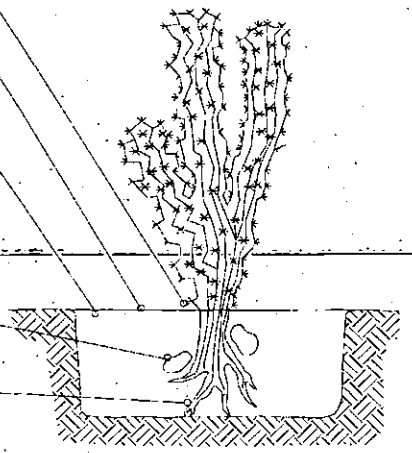
NOTE: WATER WEEKLY THROUGH THE SUMMER. MAINTAIN ORIGINAL GROWING ORIENTATION WITH NOTED NORTH DESIGNATION (BARRIEIS AND SAGUAROS) PLANTED AT TRUE NORTH.

PLANTING MIX TO BE 1/3 GOLF SAND AND 2/3 SPECIFIED SOIL. DO NOT USE WATER TO SETTLE BACKFILL MIX.

PLANTING HOLE WIDTH SHALL BE 3 TIMES DIAMETER OF ROOTS AND NO DEEPER THAN THE EXTENSION OF THE ROOTS.

USE 6" TO 8" ROCKS TO ANCHOR ROOTS.

ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS AND JUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULPHUR (1.5 ML MIN.) AT PLANTING SITE.



**6 CACTUS PLANTING**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-2 SCALE: NTS

PLANT AT DEPTH WHICH PLANT WAS GROWN.

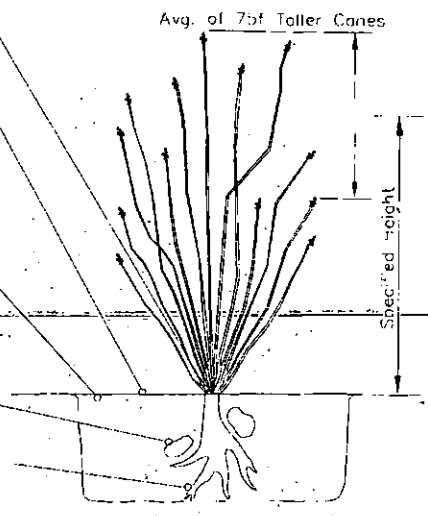
NOTE: WATER WEEKLY THROUGH THE SUMMER.

PLANTING MIX TO BE 1/3 GOLF SAND AND 2/3 SPECIFIED SOIL. DO NOT USE WATER TO SETTLE BACKFILL MIX.

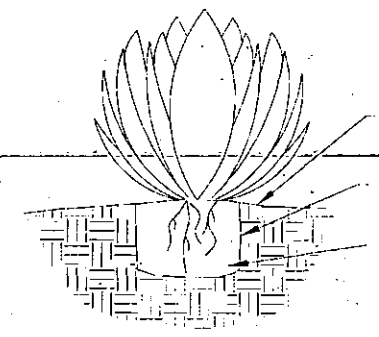
PLANTING HOLE WIDTH SHALL BE 3 TIMES DIAMETER OF ROOTS AND NO DEEPER THAN THE EXTENSION OF THE ROOTS.

USE 6" TO 8" ROCKS TO ANCHOR ROOTS.

ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS AND JUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULPHUR (1.5 ML MIN.) AT PLANTING SITE.



**7 OCOTILLO PLANTING**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-2 SCALE: NTS



FINISH GRADE- SLOPE AWAY FROM BASE OF PLANT.

PLANTING PIT TO BE AS DEEP AS ROOTS

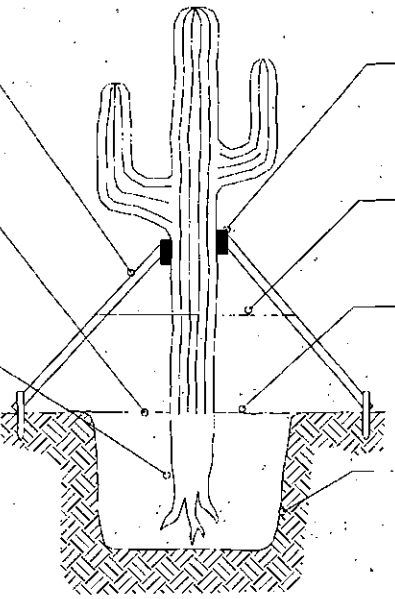
BACKFILL TO BE NATIVE SOIL TREATED WITH SOIL SULFUR- HAND TAMP INTO PLACE. WATER ONLY AT TIME OF PLANTING. DO NOT IRRIGATE.

**8 AGAVE PLANTING**  
 SCALE: NTS

(3) 2" x 6" BRACES, SPACED EQUALLY AND NAILED TO WOODEN STAKES IN THE GROUND, BRACES TO REMAIN IN PLACE FOR ONE YEAR MIN.

USE GOLF SAND OR 1/4" MINUS DECOMPOSED GRANITE TO BACKFILL PLANTING HOLE, BACKFILL 1/2 OF PIT, THEN COMPACT.

ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS AND JUST ENTIRE ROOT STRUCTURE WITH WETTABLE SULPHUR (1.5 ML MIN.) AND STREPTO MYCIN SPRAY AT PLANTING SITE. ROOT BALL MINIMUM SIZE SHALL BE 24" WITH A MINIMUM ROOT LENGTH OF 6" ON ALL SIDES.



4" x 8" - DENSE FOAM AND CARPLI PADDLED 8" ABOVE NATURAL GRADE AND NAILED TO BRACE.

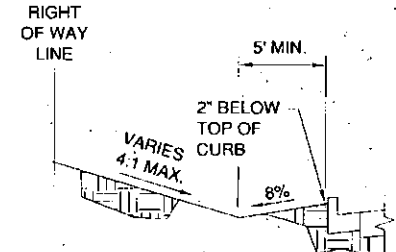
SIFEL BAND FASTENED WITH 2 LARGE STAPLES PER BRACE.

6 - 1 GALLON EMITTERS IN 'HULA HOOP' DISTRIBUTION, RUN ONCE A MONTH 24 TO 48 HOURS FOR ONE YEAR.

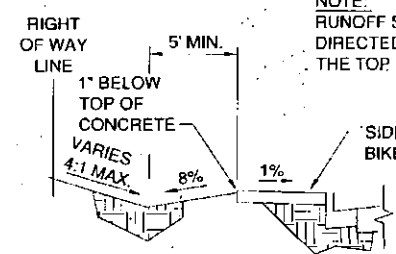
PLANTING HOLE WIDTH SHALL BE 3 TIMES DIAMETER OF ROOTS AND NO DEEPER THAN THE EXTENSION OF THE ROOTS.

- NOTES:
- OPTIMUM TRANSPLANTING SEASON IS OCTOBER THRU NOVEMBER.
  - MAINTAIN ORIGINAL PLANT ORIENTATION. THE ORIGINAL "NORTH" ORIENTATION SHALL BE MARKED ON THE TRUNK AT A HEIGHT OF 5' ABOVE GROUND LEVEL.
  - WATER THOROUGHLY AT THE TIME OF TRANSPLANTING TO REMOVE AIR POCKETS AND ASSURE PROPER COMPACTION. BACKFILL SHALL BE FREE OF INJURIOUS ROCKS AND DEBRIS.
  - DO NOT WATER FOR 3 WEEKS AFTER PLANTING.
  - PLANT IN AREA SAFE FROM PRESENT AND FUTURE CONSTRUCTION ACTIVITIES.
  - TRANSPLANT TO ORIGINAL DEPTH OF BURY

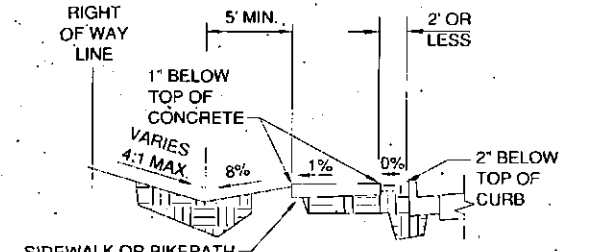
**9 SAGUARO PLANTING TYPE B**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-2 SCALE: NTS



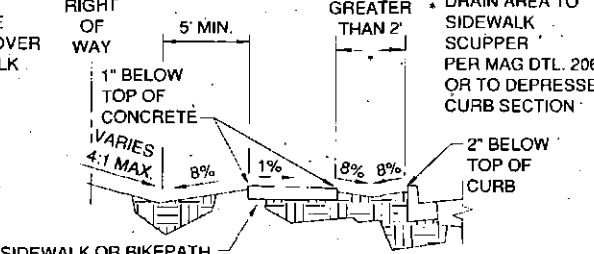
NO SIDEWALK



SIDEWALK AT BACK OF CURB



SIDEWALK LESS THAN 2' BEHIND CURB

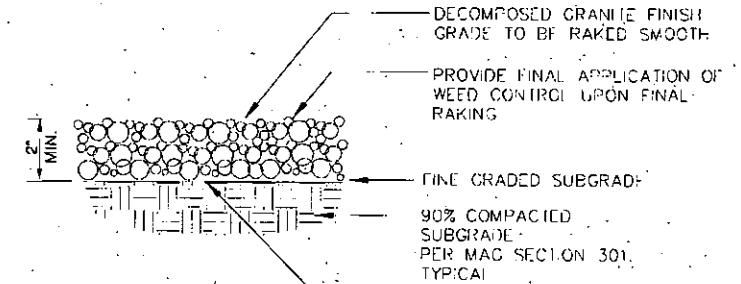


SIDEWALK MORE THAN 2' BEHIND CURB

NOTE: RUNOFF SHALL NOT BE DIRECTED TO CROSS OVER THE TOP OF A SIDEWALK.

\* DRAIN AREA TO SIDEWALK SCUPPER PER MAG DTL. 206 OR TO DEPRESSED CURB SECTION.

**10 GRADING BEHIND THE CURB**  
 CITY OF SCOTTSDALE STD. DETAIL 2210 SCALE: NTS




APPLY PRE-EMERGENT HERBICIDE AS PER MANUFACTURERS RECOMMENDATIONS. (SURFLAN OR EQUAL APPROVED BY CITY OF SCOTTSDALE)

NOTE: 1. REFER TO COS DETAIL 2210 FOR FINISH GRADE HEIGHT OF DECOMPOSED GRANITE AND TURF IN RELATION TO TOP OF CURBS & SIDEWALKS.

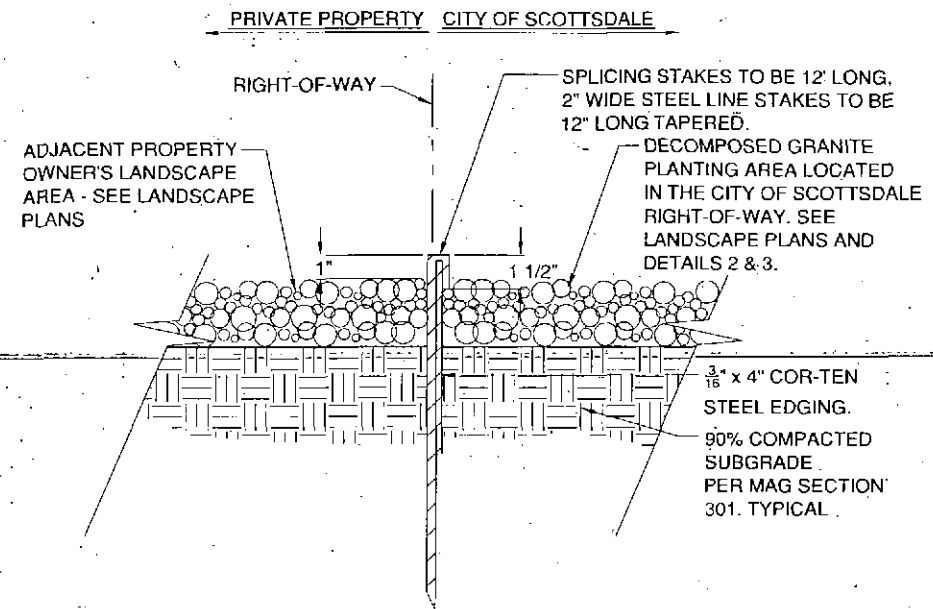
**11 DECOMPOSED GRANITE**  
 CITY OF SCOTTSDALE STD. DETAIL 2620-1 SCALE: NTS

ARIZONA BLUE STAKE  
 CALL TWO HOURS BEFORE YOU DIG  
 602-811-8111 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE OF ARIZONA CALL 602-811-8111)

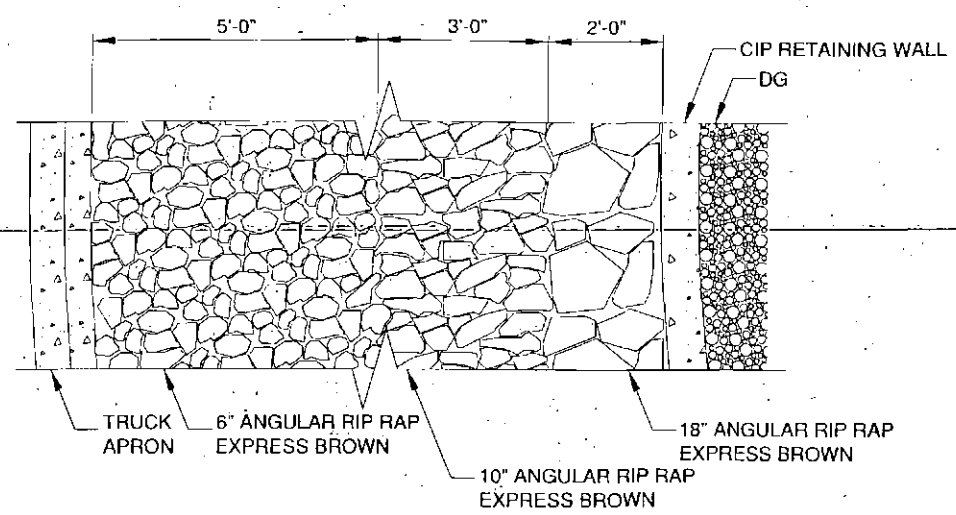
DATE	REVISION	BY
<b>PRELIMINARY</b> <b>30%</b> NOT FOR CONSTRUCTION OR RECORDING		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b>
		
SHEET TITLE: <b>LANDSCAPE DETAILS</b>		
PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ.	RC/DD	06/14
VERT.	DRAWN	AS-BUILT
	J2CAD	
PROJECT NO. 5103		SHEET NO. 154 OF 297



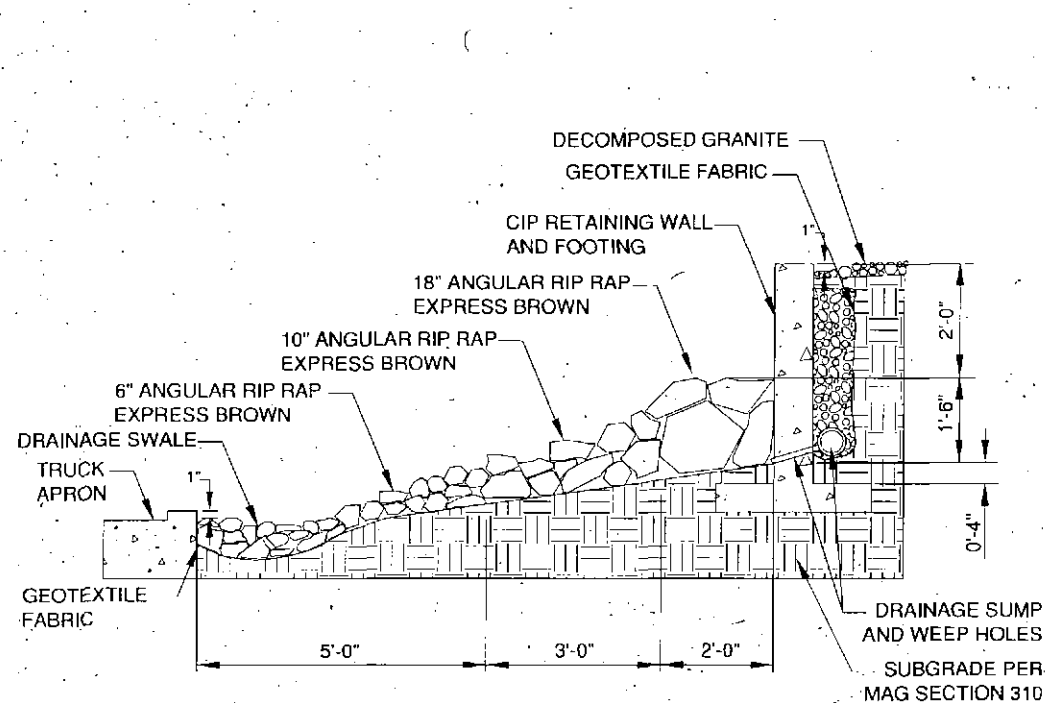
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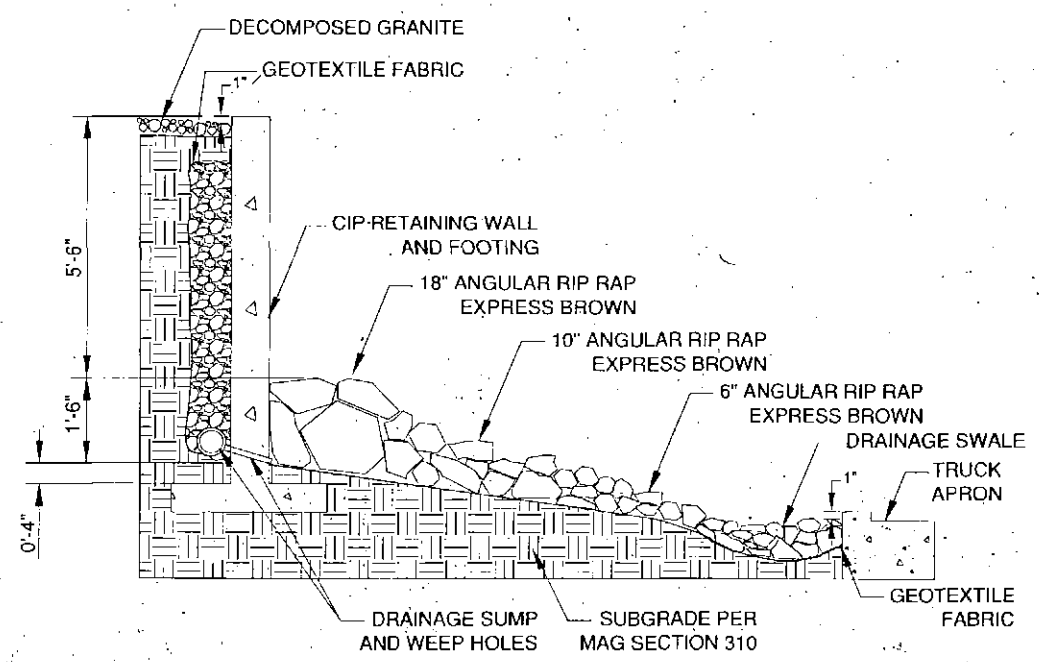
**12 STEEL-EDGING AT ROUNDABOUT**  
 SCALE: NTS



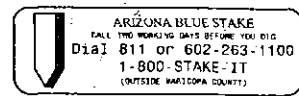
**13 ROUNDABOUT RIP RAP PLAN VIEW DETAIL**  
 SCALE: NTS



**14 ROUNDABOUT RIP RAP SECTION DETAIL**  
 SCALE: NTS

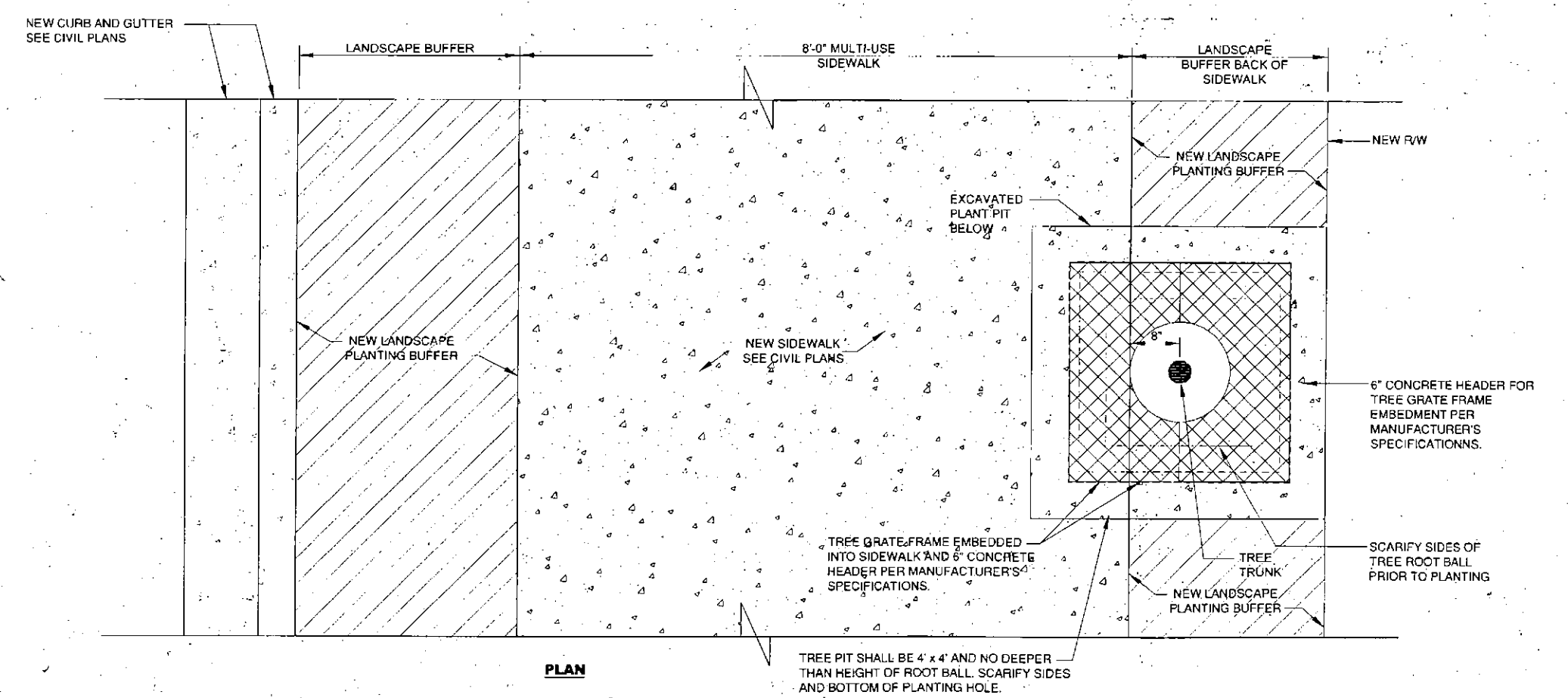
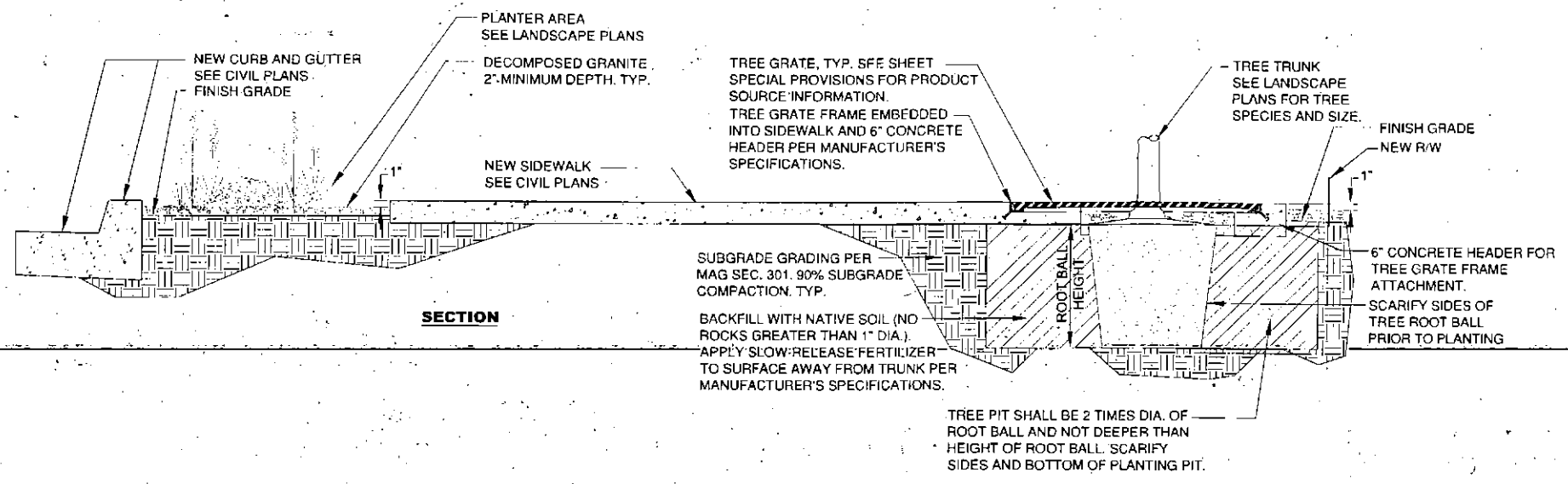


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DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
LANDSCAPE DETAILS		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. -	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
BID NO.	SHT.	
PROJECT NO.	51103	155 of 297



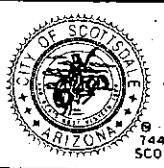


- CONTRACTOR NOTE:**
1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND INSTALLATION METHODOLOGY TO CITY ENGINEER OR CITY'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
  2. ROOT BARRIERS ARE TO BE INSTALLED WITHIN TREE PITS AS SHOWN IN DETAIL. ALL WORK SHALL BE PERFORMED PER MANUFACTURER'S SPECIFICATIONS AND IN ACCORDANCE WITH PLANS, DETAILS, AND SPECIAL PROVISIONS.
  3. TOP OF ROOT BARRIER SHALL BE INSTALL 1" ABOVE FINISH GRADE AND EXTRUDED ROOT DEFLECTING RIBS SHALL BE FACING INWARDS TOWARDS TREE ROOT BALL.
  4. ROOT BARRIERS ARE TO EXTEND 1" ABOVE FINISH GRADE EXCEPT WHEN LOCATED UNDER SIDEWALK.
  5. ROOT BARRIER (SIDEWALK SIDE) IS TO EXTEND FROM BOTTOM OF SIDEWALK DOWN TO A MINIMUM OF 6 INCHES BELOW EXCAVATED TREE PIT.

**15 TREE GRATE**

SCALE: NTS

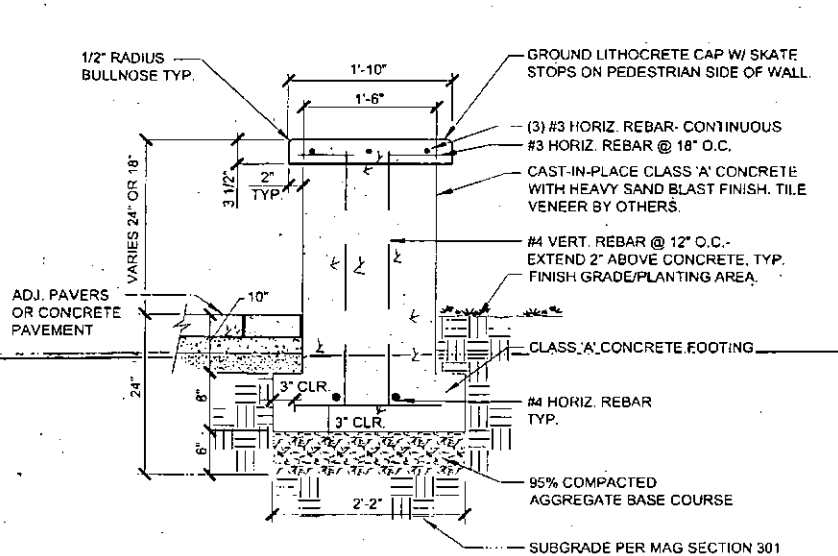


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	NOT FOR CONSTRUCTION OR RECORDING	
		
PUBLIC WORKS		CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
<b>LANDSCAPE DETAILS</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
	RC/DD	06/14
HORIZ.	DRAWN	AS-BUILT
	J2CAD	
VERT.		
		BID NO.
		SHT.
		LD04
		PROJECT NO.
		51103
		SHT. OF
		156 OF 297

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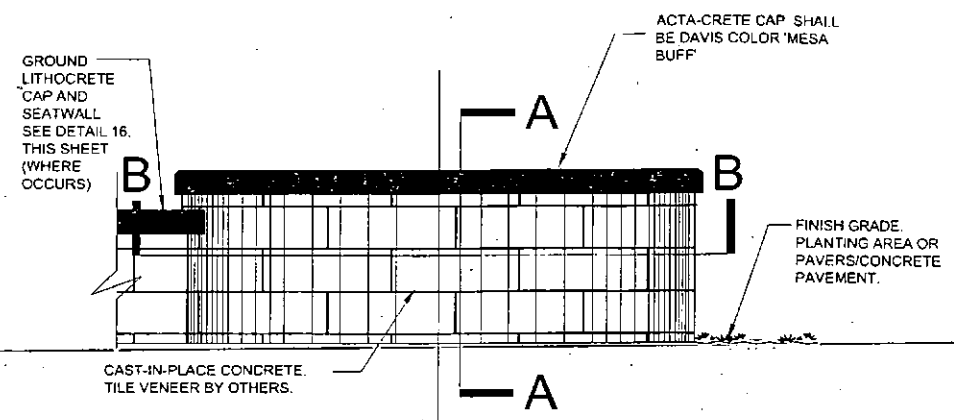


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**SECTION**

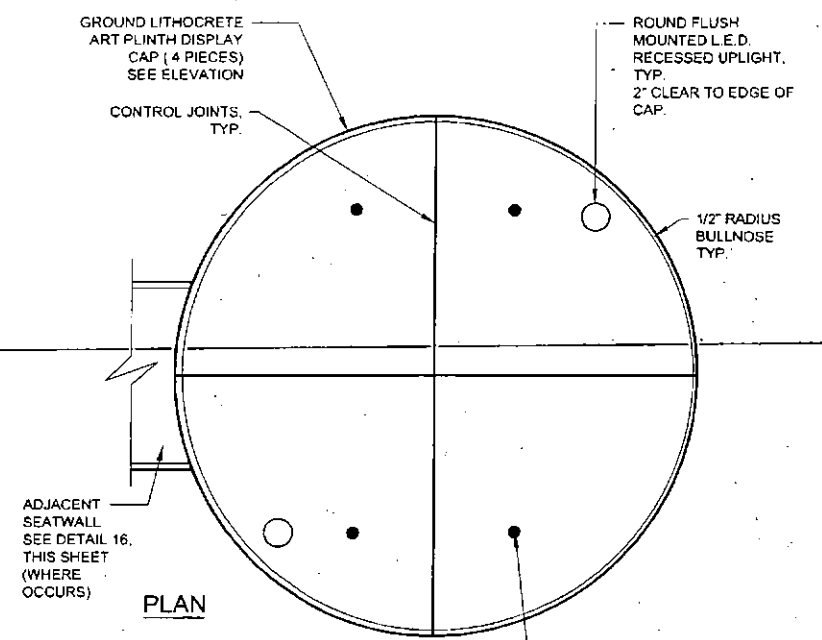
NOTES:  
 1. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF GROUND LITHOCRETE CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.  
 2. SEE DETAIL 17, THIS SHEET FOR SKATE STOPS.



**ELEVATION**

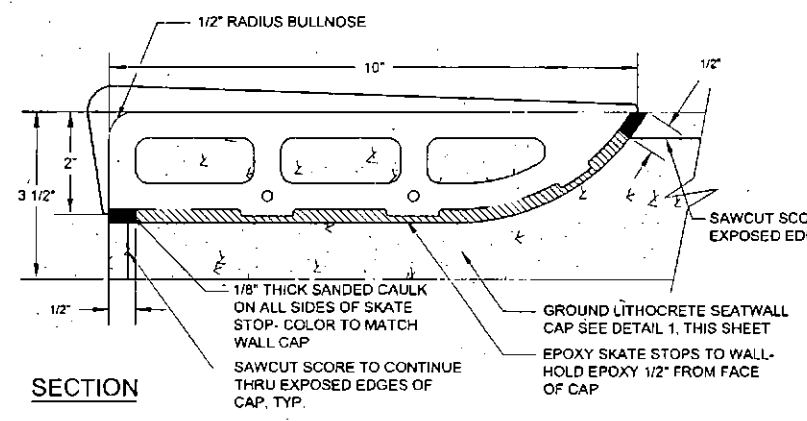
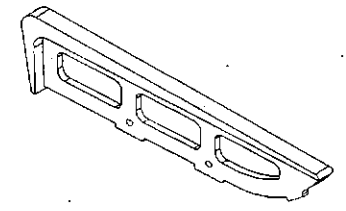
NOTES:  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

NOTE:  
 1. ART PLINTH SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH.  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALT, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375  
 3. (4) SKATE STOPS SHALL BE 2'-6" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.

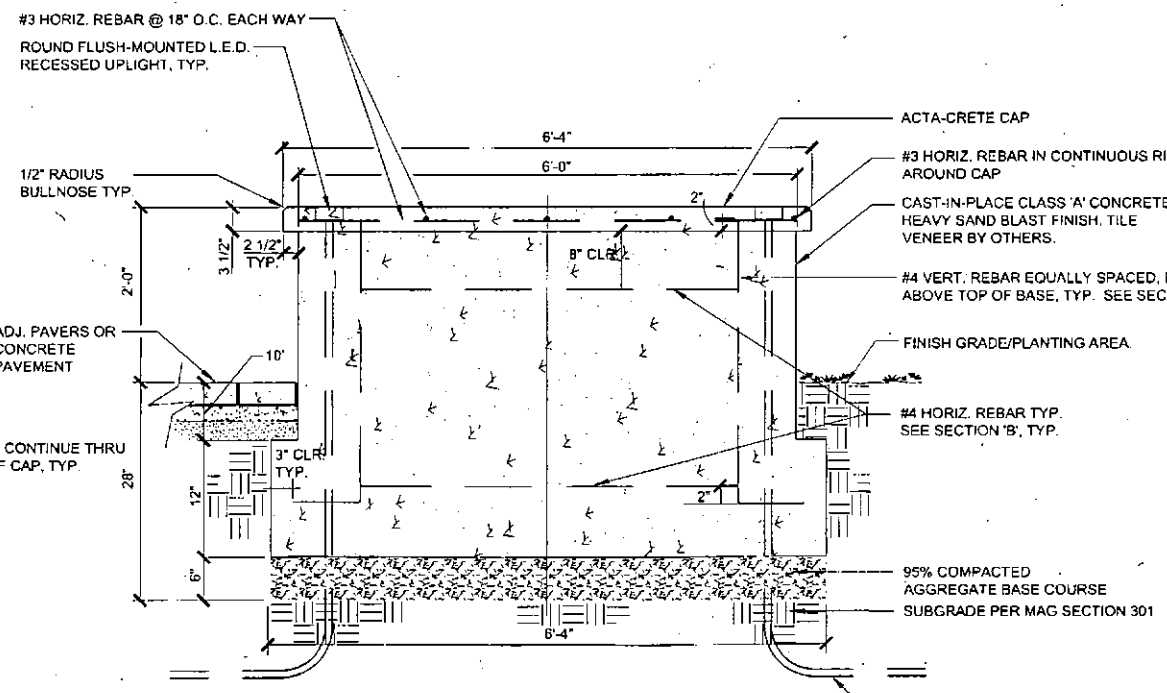


**16 SEATWALL (18" OR 24")**

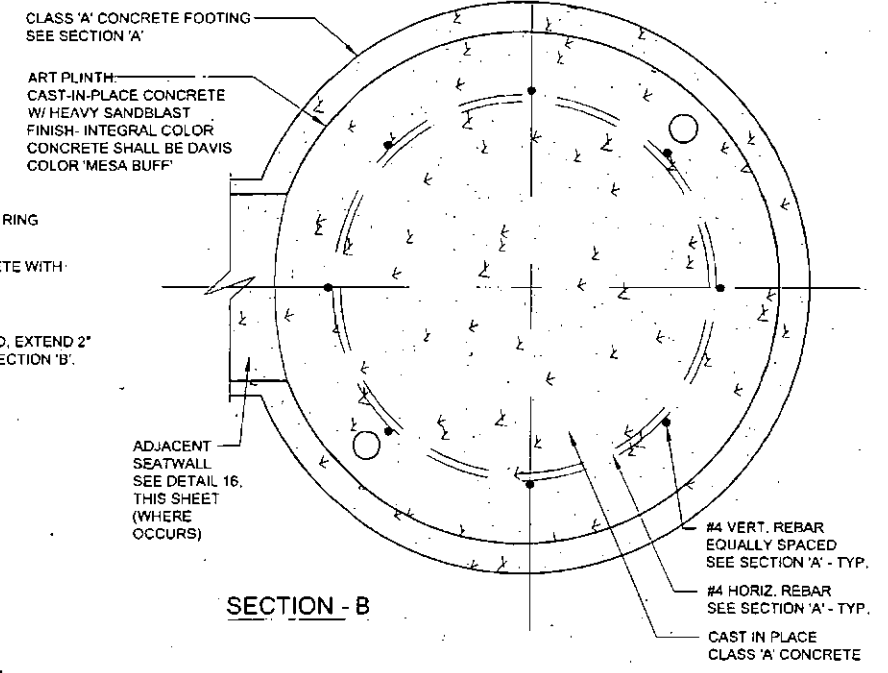
SCALE: NTS



NOTE:  
 1. INSTALL CAST BRONZE SKATE STOPS PER MANUFACTURER'S INSTRUCTIONS.  
 2. CONTRACTOR TO PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION OF SKATE STOPS.  
 3. COLOR SHALL BE 'BROWN PATINA'.  
 4. SKATE STOPS SHALL BE CAST BRONZE 'BEAR SERIES' AS MANUFACTURED BY 'SKATESTOPPERS' 1-619-447-6374.  
 5. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 6. SEATWALL SKATE STOP SHALL BE PART OF THE SEATWALL CONSTRUCTED MOCK-UP.



**SECTION - A**



**SECTION - B**

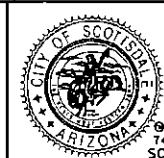
**17 SEATWALL SKATE STOPS**

SCALE: NTS

**18 6' DIAMETER CONCRETE ART PLINTH**

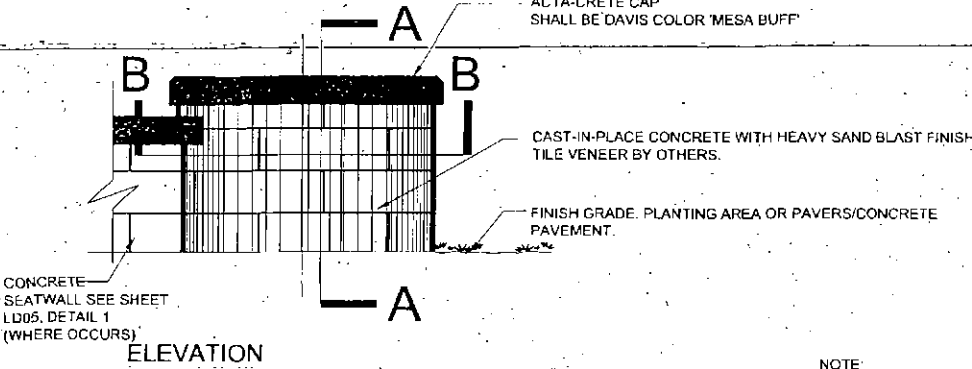
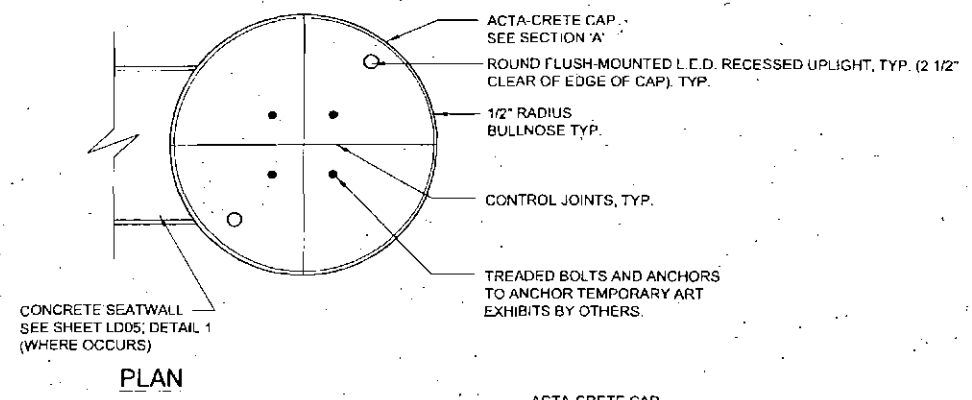
SCALE: NTS

ARIZONA BLUE STAKE  
 CALL FOR BIDDING DATES BEFORE YOU BID  
 811 OR 802-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

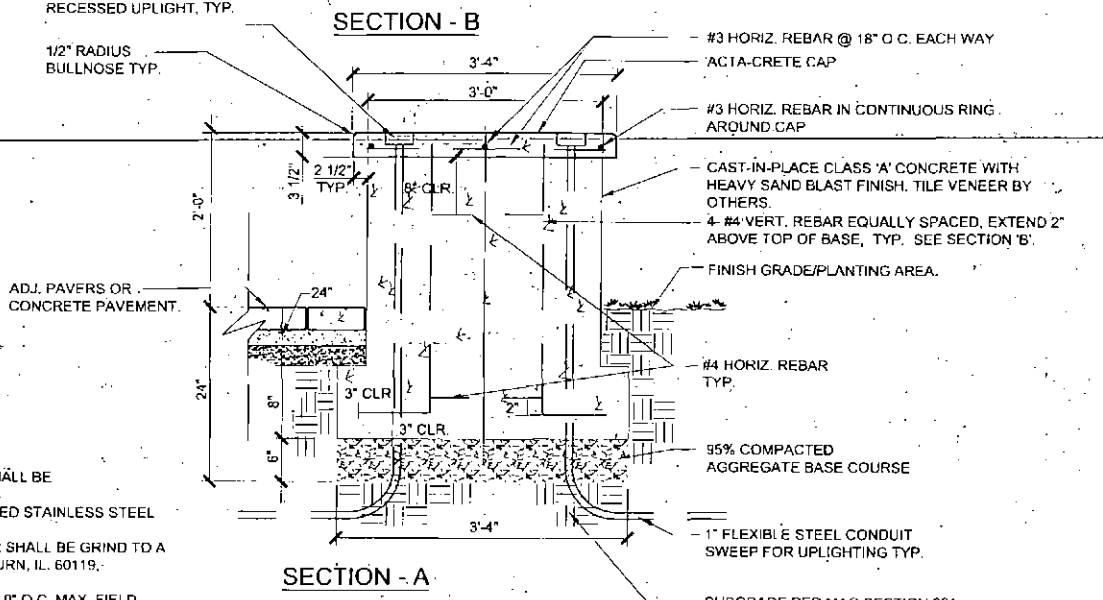
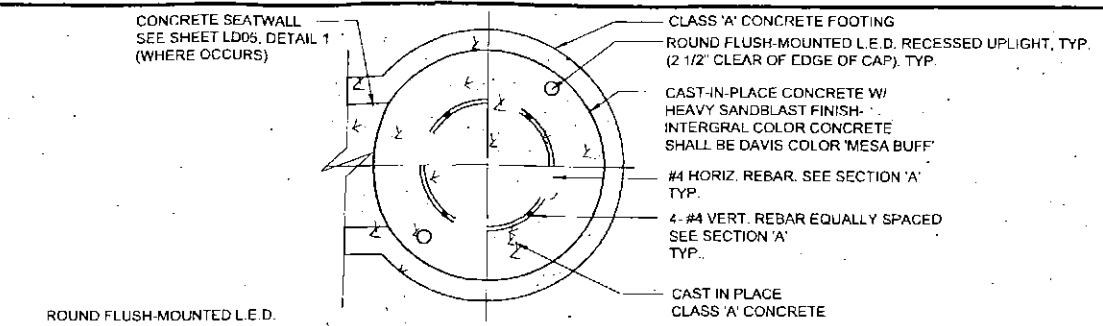
DATE	REVISION	BY
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
 <b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b> 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
<b>LANDSCAPE DETAILS</b>		
<b>PROJECT TITLE</b>		
<b>RAINTREE DRIVE EXTENSION</b>		
<b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. RC/DD	J2CAD	06/14
VERT. -	AS-BUILT	
PROJECT NO.		SHT.
SI103		LD05
PROJECT NO.		157 of 297



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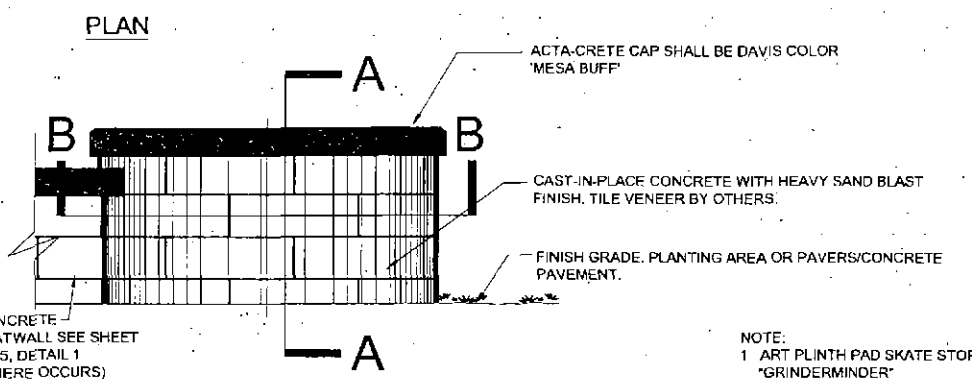
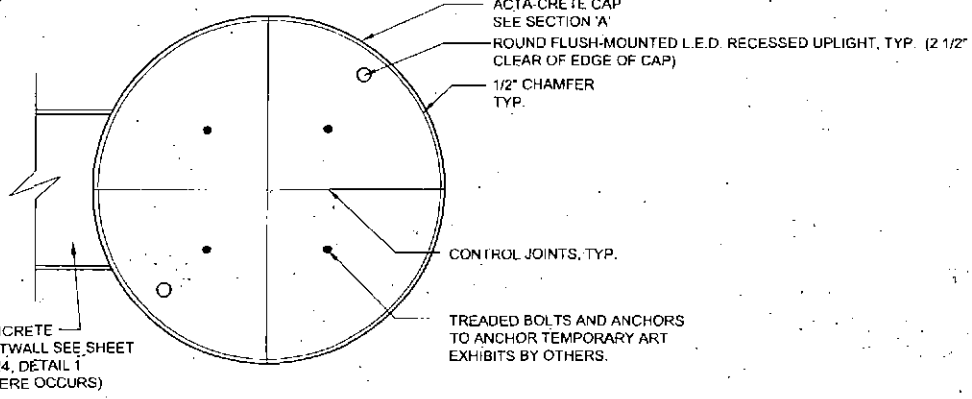


NOTES:  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

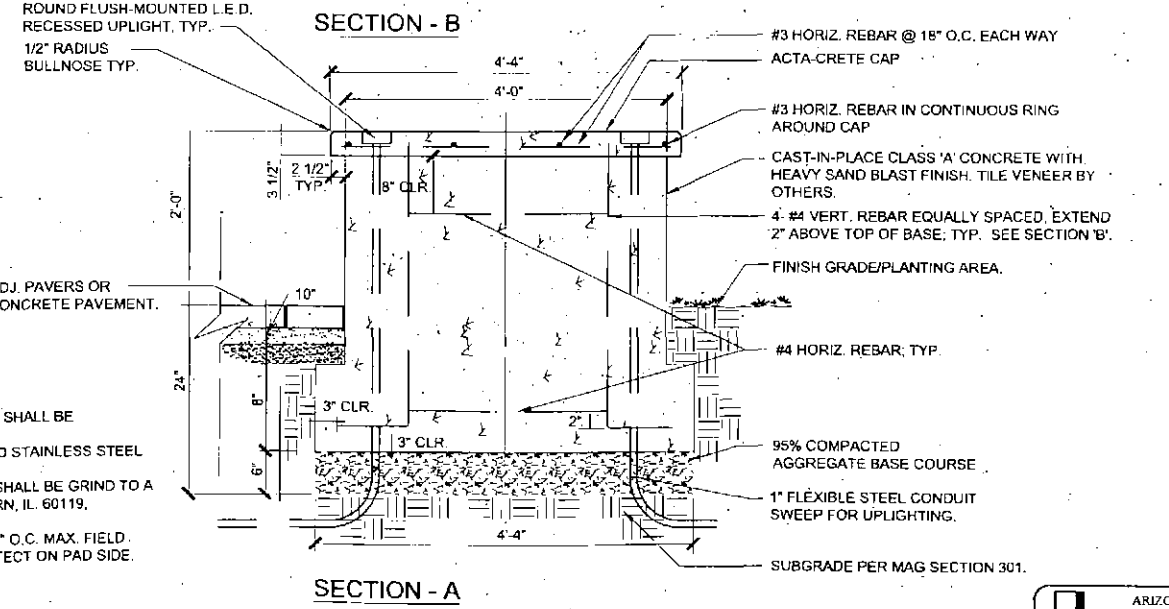
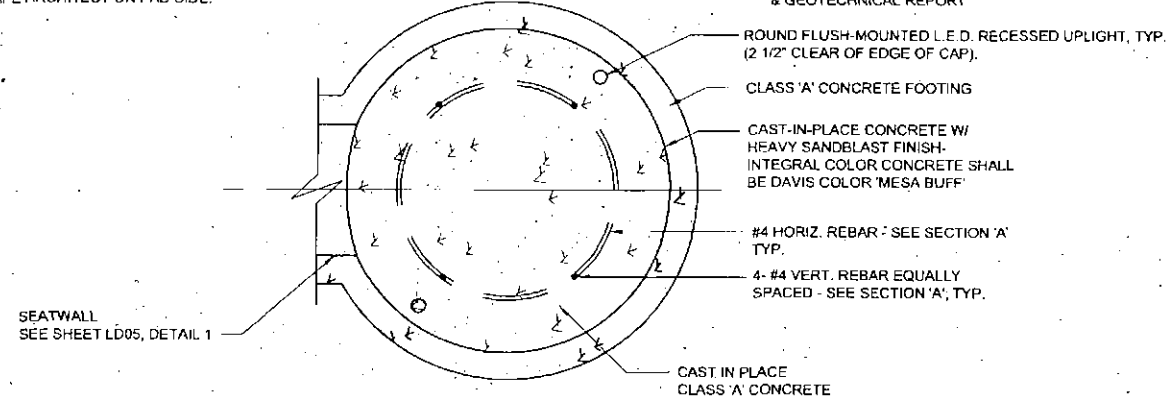


NOTE:  
 1. ART PLINTH SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH.  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALL, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375.  
 3. (5) SKATE STOPS SHALL BE 2'-0" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.

**19 3' DIAMETER CONCRETE ART PLINTH** SCALE: NTS



NOTES:  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.




NOTE:  
 1. ART PLINTH PAD SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH.  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALL, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375.  
 3. (5) SKATE STOPS SHALL BE 2'-8" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.

**20 4' DIAMETER CONCRETE ART PLINTH** SCALE: NTS

ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU BID  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

DATE	REVISION	BY
	PRELIMINARY	
	30%	
	NOT FOR CONSTRUCTION OR RECORDING	



**PUBLIC WORKS**  
**CAPITAL PROJECT MANAGEMENT**

1447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE DETAILS**

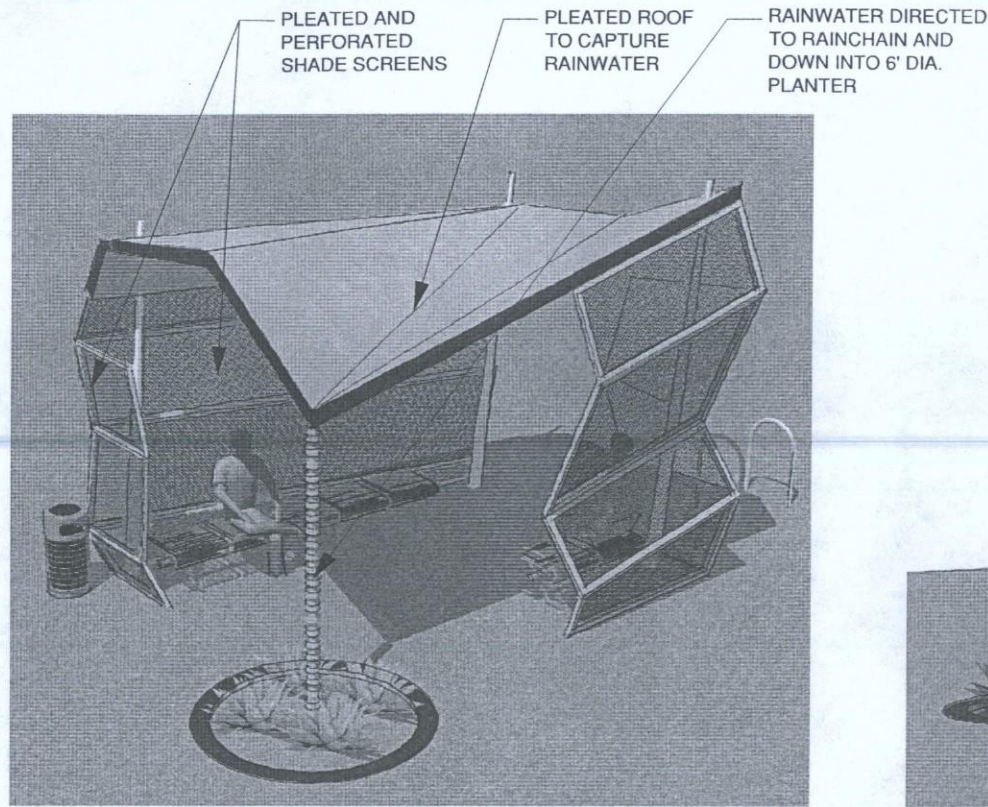
PROJECT TITLE: **RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ.	RC/DD	06/14		LD06
VERT.	DRAWN	AS-BUILT		

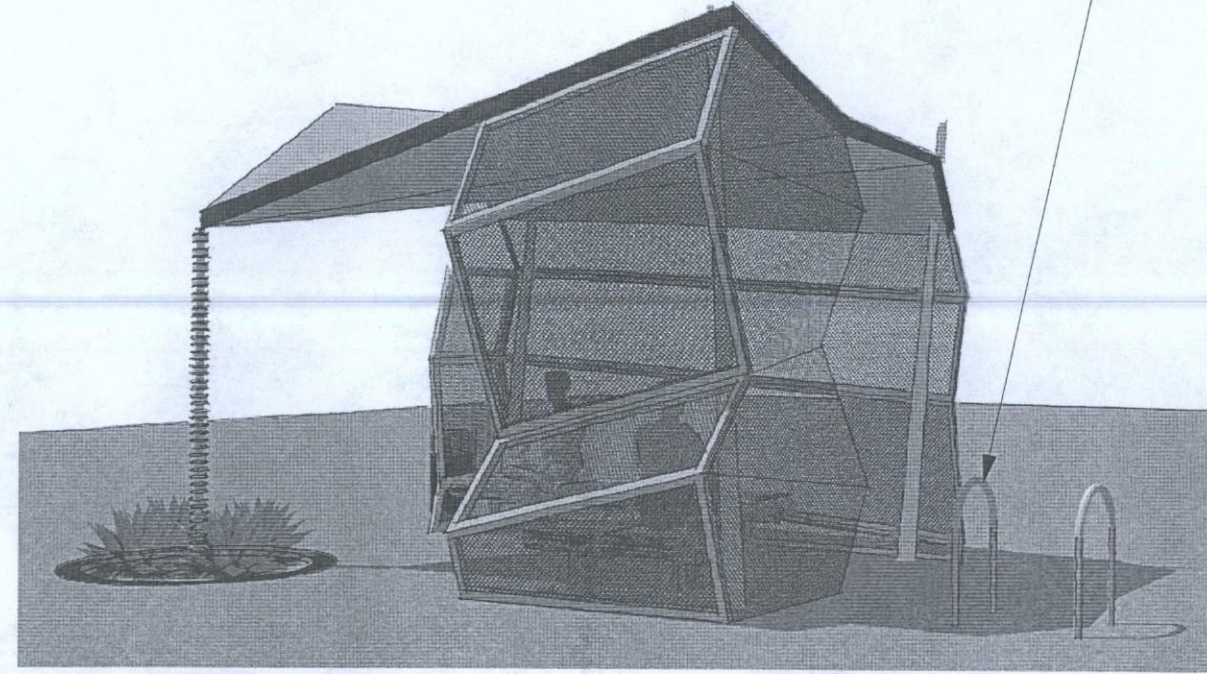
PROJECT NO. S1103 158 OF 297



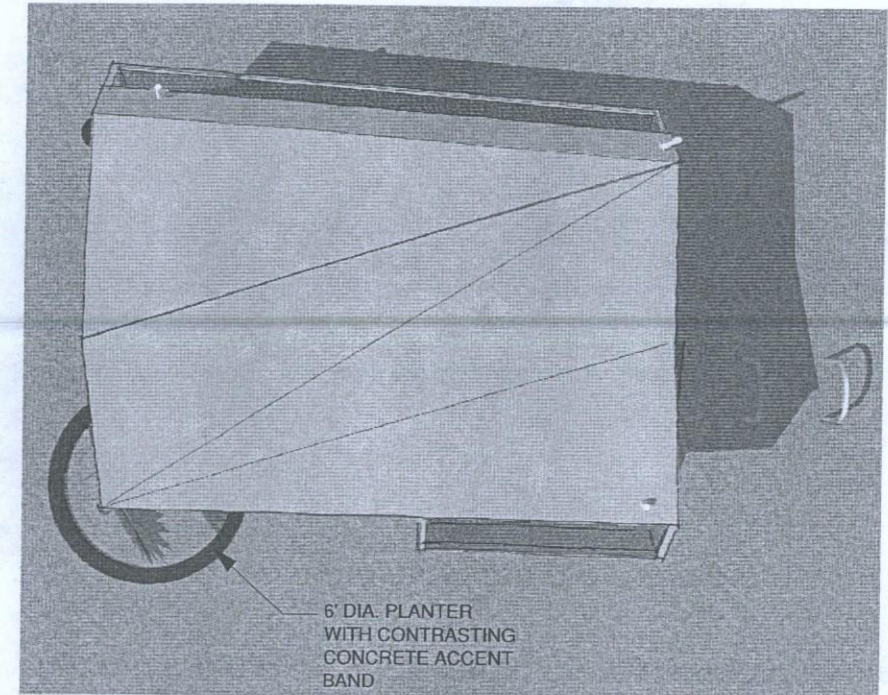
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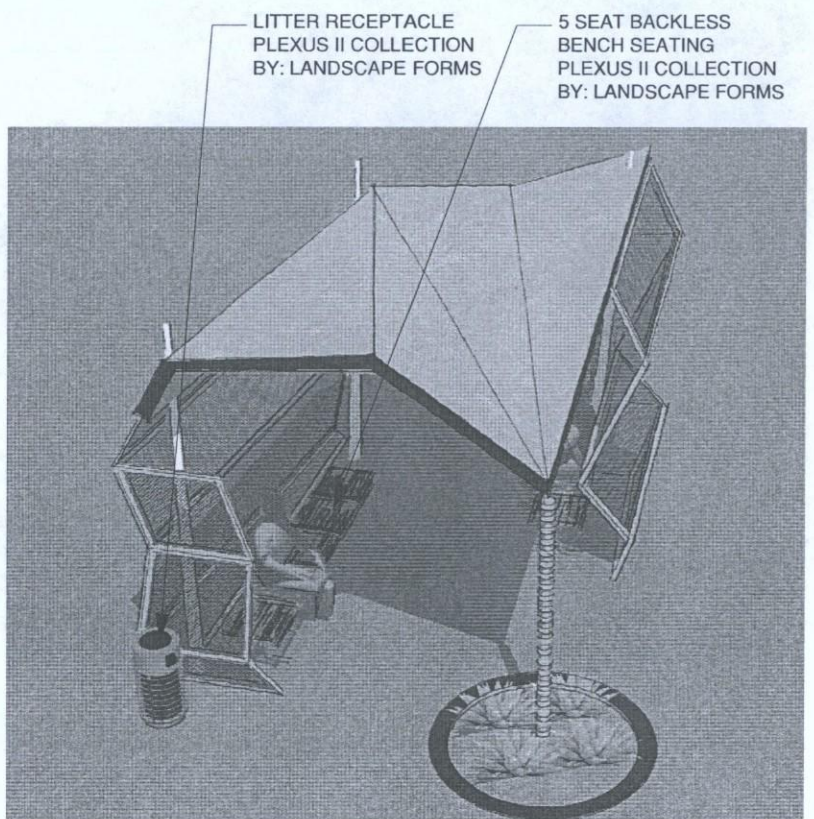
**21** PROPOSED BUS STOP - BIRD'S EYE  
 SCALE: NTS



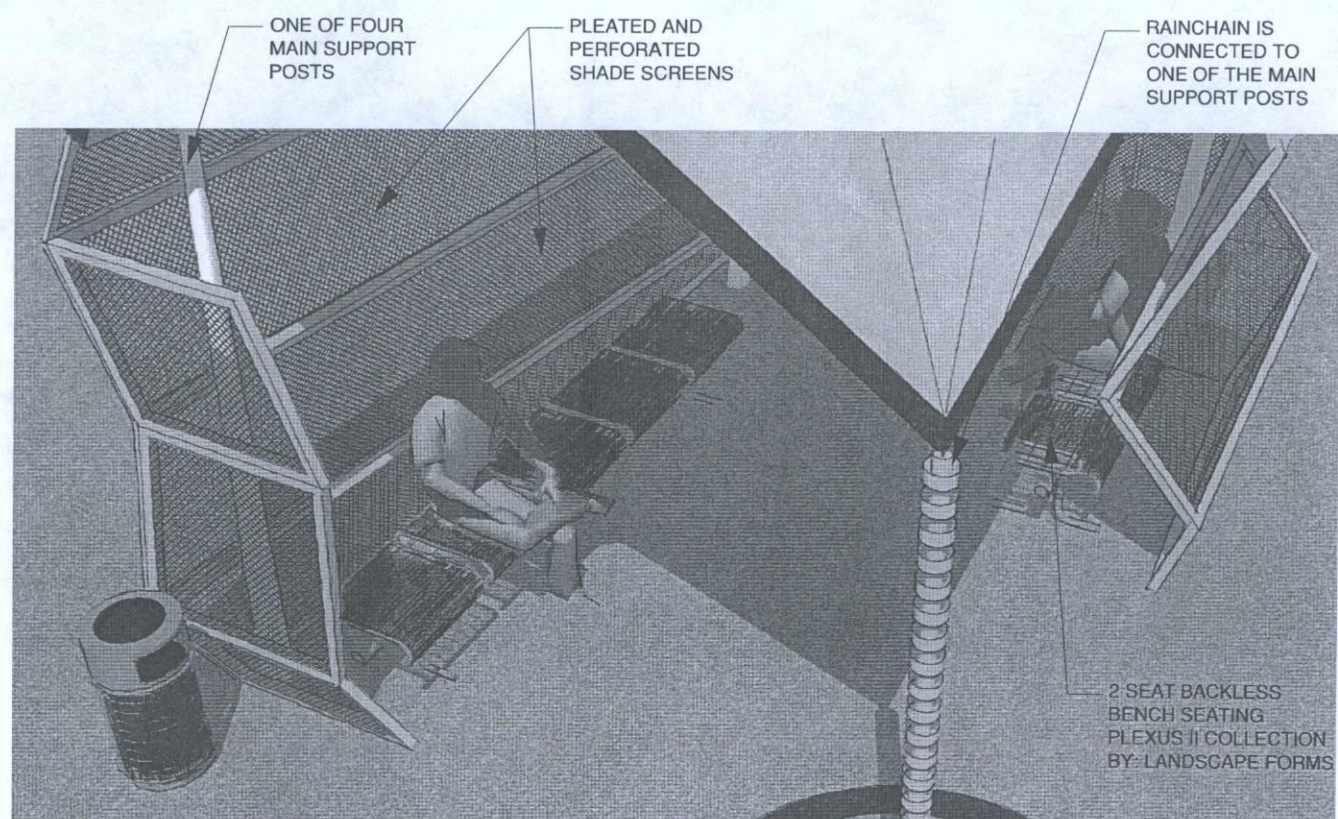
**22** PROPOSED BUS STOP - PERSPECTIVE  
 SCALE: NTS



**23** PROPOSED BUS STOP - PLAN VIEW  
 SCALE: NTS



**24** PROPOSED BUS STOP - BIRD'S EYE  
 SCALE: NTS

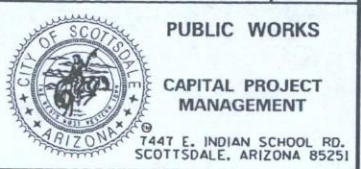


**25** PROPOSED BUS STOP - DETAILED VIEW  
 SCALE: NTS

P:\120596\J2Cad\Sheet\landscape\cosi177\_LD07.dgn

ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

DATE	REVISION	BY
	ENGINEER	
	PRELIMINARY	
	<b>30%</b>	
	NOT FOR CONSTRUCTION OR RECORDING	
SHEET TITLE		
BUS SHELTER CONCEPTS		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED RC/DD	DATE 06/14
HORIZ.	DRAWN J2CAD	AS-BUILT
VERT. -		
PROJECT NO. S1103		BID NO.
SHT. LD07		
159 of 297		





4:28:09 PM








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DESIGN FILE: P:\120596\120596.dwg




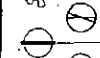
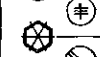
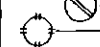







**PLANT SCHEDULE**

**GENUS/SPECIES**




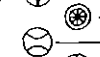














**TREES:**

-  *Acacia aneura*
-  *Caesalpinia cocalaco* 'Smoothie'
-  *Chitalpa tashkentensis* 'Pink Dawn'
-  *Olea europaea* 'Swan Hill'
-  *Olivea tesota* - Salvaged
-  *Olivea tesota*
-  *Sophora secundiflora* 'Silver Sierra'

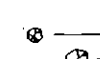
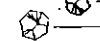


**SHRUBS:**

-  *Baileya multiradiata*
-  *Calliandra eriophylla*
-  *Callistemon citrinus* 'Little John'
-  *Convolvulus creorum*
-  *Dalea capitata* 'Sierra Gold'
-  *Dalea greggii*
-  *Eremophila glabra* ssp. 'Winter Blaze'
-  *Larrea tridentata*
-  *Leucophyllum zygophyllum* 'Cimarron'
-  *Ruellia brittoniana* 'Rosa'
-  *Ruellia perinsularis*
-  *Senna covesii*
-  *Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

-  *Agave desmettiana*
-  *Agave havardiana*
-  *Agave parryi*
-  *Agave vilmoriniana*
-  *Aloe 'Blue Elf'*
-  *Carnegiea gigantea* - Salvaged
-  *Carnegiea gigantea*
-  *Dasyllron wheeleri*
-  *Echinocactus grusonii*
-  *Euphorbia antisiphilitica*
-  *Fouquieria splendens* - Salvaged
-  *Fouquieria splendens*
-  *Hesperaloe parviflora* x 'Brakelights'
-  *Opuntia violacea* var. 'Santa Rita'
-  *Penstemon parryi*
-  *Penstemon superbis*
-  *Yucca pallida*
-  *Yucca recurvifolia*


**BOULDERS**

-  Salvaged & Relocated from On-Site
-  A - Small (2' x 2' x 2')
-  B - Medium (3' x 3' x 3')
-  C - Large (4' x 4' x 4')

- Notes:**
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

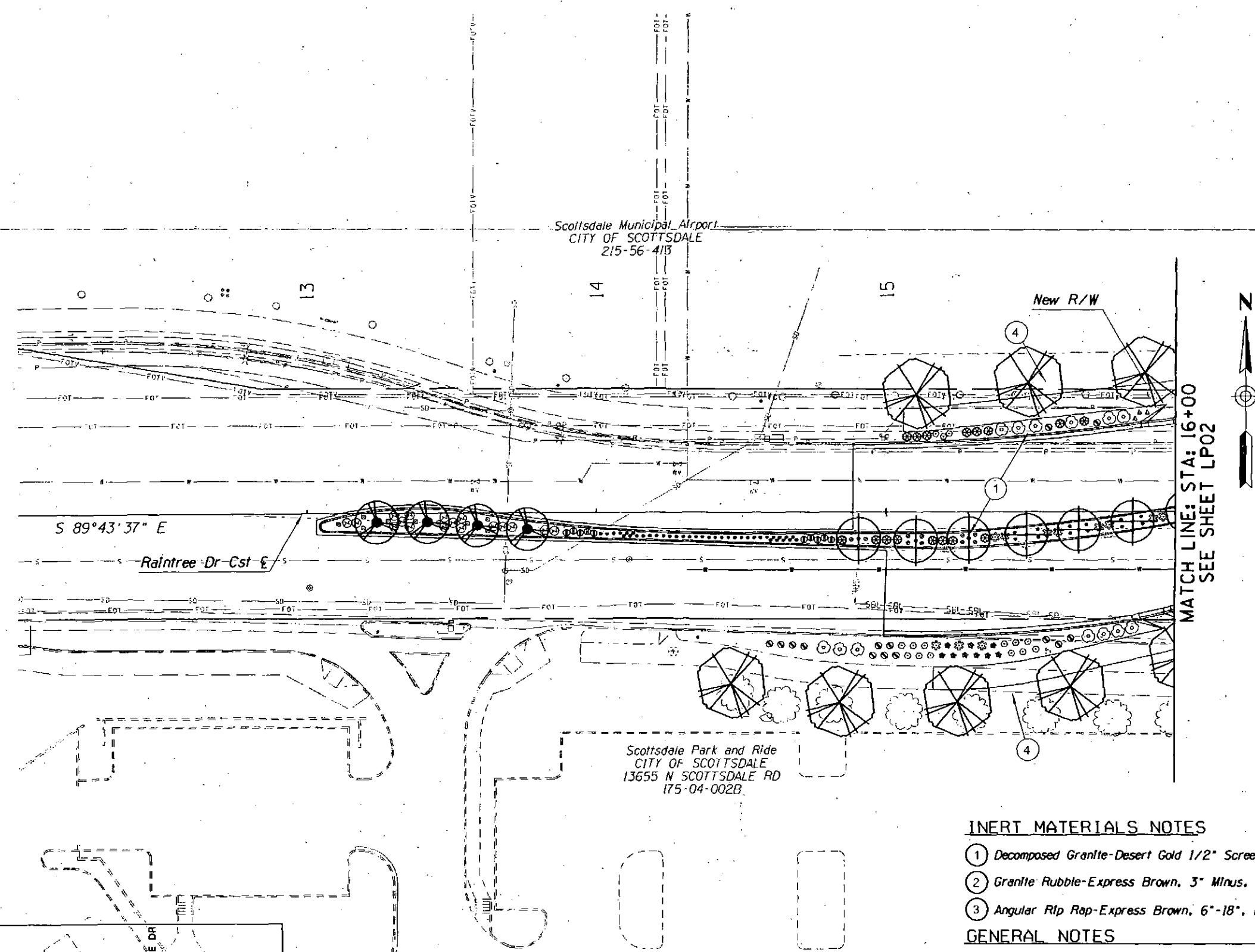
DATE	REVISION	BY

<b>ENGINEER</b>	<b>PUBLIC WORKS</b>
<b>PRELIMINARY</b>	
<b>30%</b>	<b>CAPITAL PROJECT MANAGEMENT</b>
NOT FOR CONSTRUCTION OR RECORDING	7441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

**SHEET TITLE**  
**LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
**STA 12+00 TO STA 16+00**

PROJECT TITLE		PROJECT NO.	
<b>RAINTREE DRIVE EXTENSION</b>		<b>S1103</b>	
<b>SCOTTSDALE ROAD TO SR 101L</b>		<b>160 of 297</b>	



MATCH LINE: STA: 16+00  
SEE SHEET LPO2

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-4113

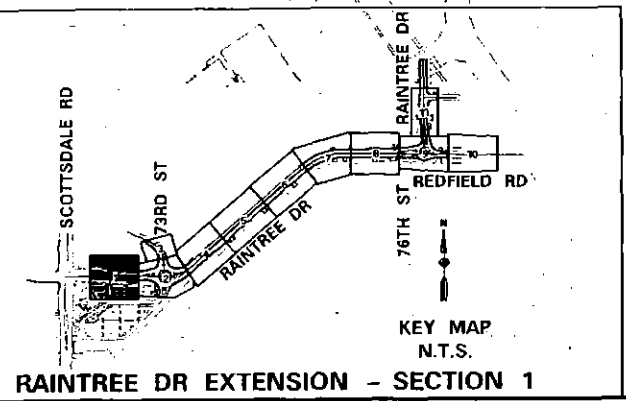
Scottsdale Park and Ride  
 CITY OF SCOTTSDALE  
 13655 N SCOTTSDALE RD  
 175-04-002B

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

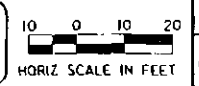
**GENERAL NOTES**

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



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4:28:11 PM

PLT DATE: 6/7/2014

DESIGN FILE: P:\205961\J2CAD\Sheet\Landscap\cos171\_P02.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

**GENUS/SPECIES**

**TREES:**

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

**SHRUBS:**

- Baileya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegia gigantea* - Salvaged
- Carnegia gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

**BOULDERS**

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

**Notes:**

1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE: REVISION: BY:

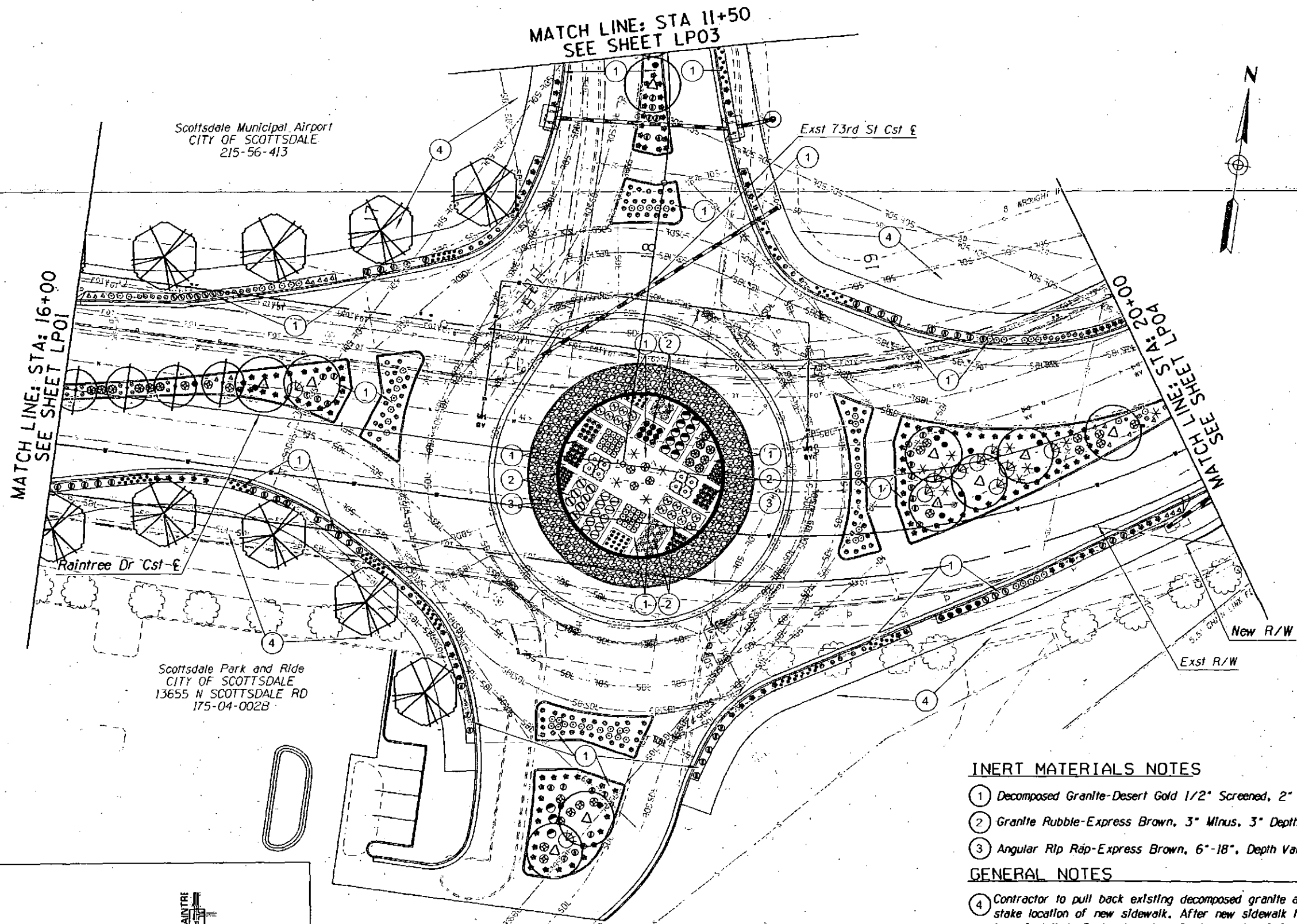
ENGINEER: PRELIMINARY  
**30%**  
NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
CAPITAL PROJECT MANAGEMENT

7441 E. INDIAN SCHOOL RD.  
SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
STA 16+00 TO STA 20+00

PROJECT TITLE	RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED RC/DD	DATE 06/14	BID NO.
HORIZ. 1"=20'	DRAWN J2CAD	AS-BUILT	PROJECT NO. S1103
VERT. -			SHT. LP02 161 OF 297



**INERT MATERIALS NOTES**

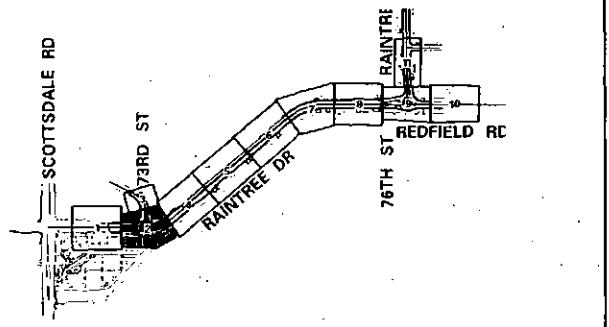
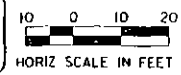
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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(OUTSIDE MARICOPA COUNTY)





PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\12CactSneets\landscape\cosi77.LP03.dgn

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- — *Acacia aneura*
- — *Caesalpinia cacalaco* 'Smoothie'
- — *Chilopa tashkentensis* 'Pink Dawn'
- — *Olea europaea* 'Swan Hill'
- — *Olneya tesota* - Salvaged
- — *Olneya tesota*
- — *Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- — *Baileya multiradiata*
- — *Calliandra eriophylla*
- — *Callistemon citrinus* 'Little John'
- — *Convolvulus creorum*
- — *Dalea capitata* 'Sierra Gold'
- — *Dalea greggii*
- — *Eremophila glabra* ssp. 'Winter Blaze'
- — *Larrea tridentata*
- — *Leucophyllum zygophyllum* 'Cimarron'
- — *Ruellia brittoniana* 'Rosa'
- — *Ruellia peninsularis*
- — *Senna covesii*
- — *Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

- — *Agave desmettiana*
- — *Agave havardiana*
- — *Agave parryi*
- — *Agave vilmoriniana*
- — *Aloe 'Blue Elf'*
- — *Carnegia gigantea* - Salvaged
- — *Carnegia gigantea*
- — *Dasyliodon wheeleri*
- — *Echinocactus grusonii*
- — *Euphorbia antisiphilitica*
- — *Fouquieria splendens* - Salvaged
- — *Fouquieria splendens*
- — *Hesperaloe parviflora* x 'Brakelights'
- — *Opuntia violacea* var. 'Santa Rita'
- — *Penstemon parryi*
- — *Penstemon superbus*
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- — *Yucca recurvifolia*

BOULDERS

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- — A - Small (2' x 2' x 2')
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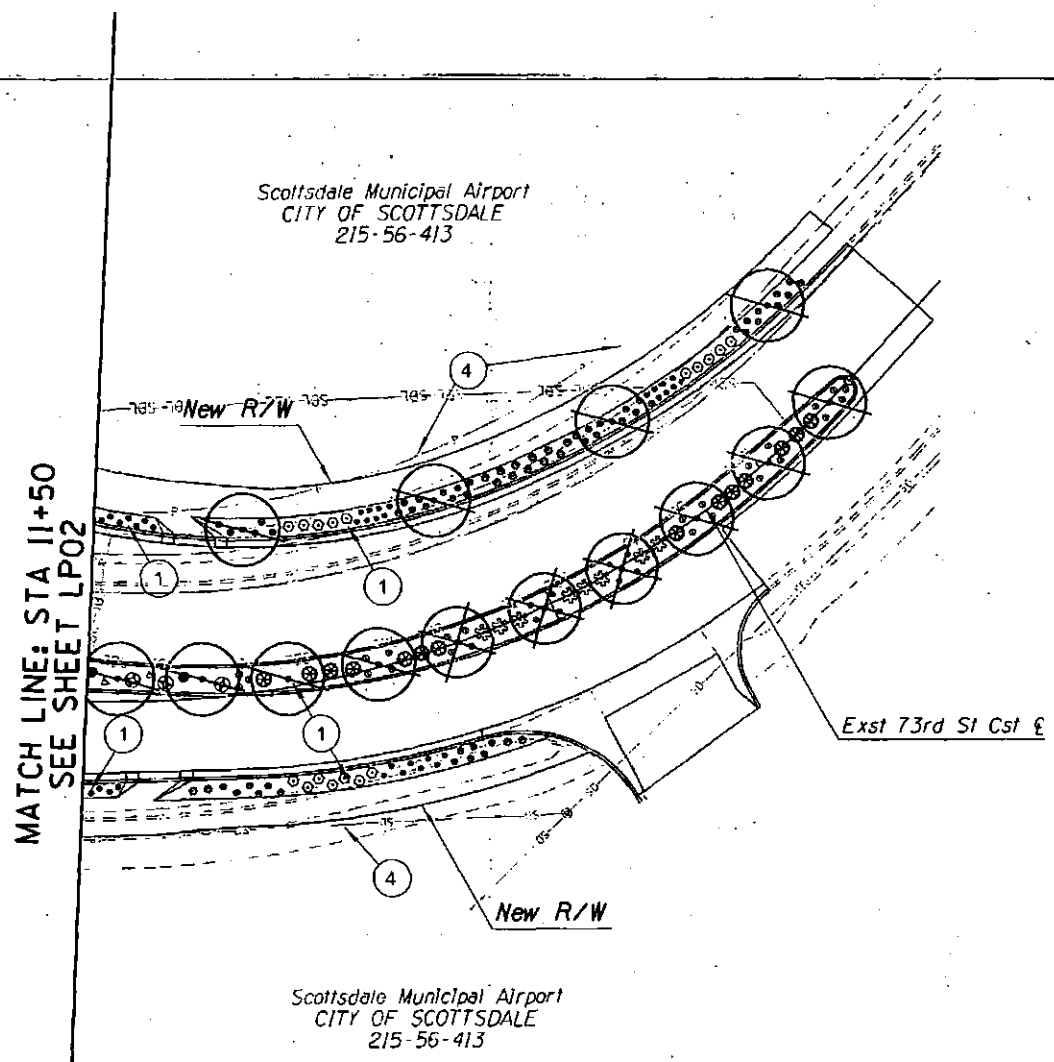
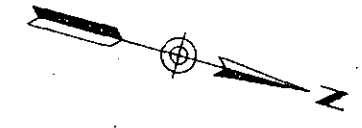
- Notes:
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  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY

PRELIMINARY <b>30%</b> NOT FOR CONSTRUCTION OR RECORDING	 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
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SHEET TITLE  
**LANDSCAPE PLAN  
 73RD STREET**

PROJECT TITLE <b>RAINTREE DRIVE EXTENSION    SCOTTSDALE ROAD TO SR 101L</b>			
SCALE HORIZ. 1"=20'	DESIGNED RC/DD	DATE 06/14	BID NO.
VERT. -	DRAWN J2CAD	AS-BUILT	PROJECT NO. S1103
SHT. LP03			162 OF 297



MATCH LINE: STA 11+50  
 SEE SHEET LP02

**INERT MATERIALS NOTES**

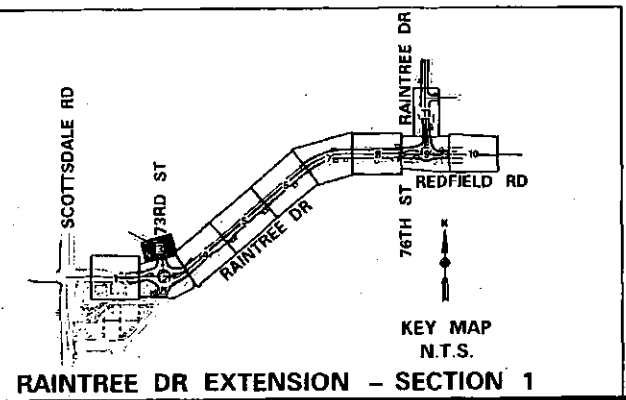
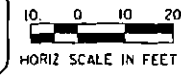
- ① Decomposed Granite-Desert Gold 1/2". Screened, 2" Depth
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KEY MAP  
 N.T.S.



PLOT DATE: 6/17/2014 4:28:15 PM

DESIGN FILE: P:\1205956\1205956\SheetSet\landscape\cosi171\_LPO4.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
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- Chitalpa tashkentsis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Balleja multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus creorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

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- Agave desmetiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasylistron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

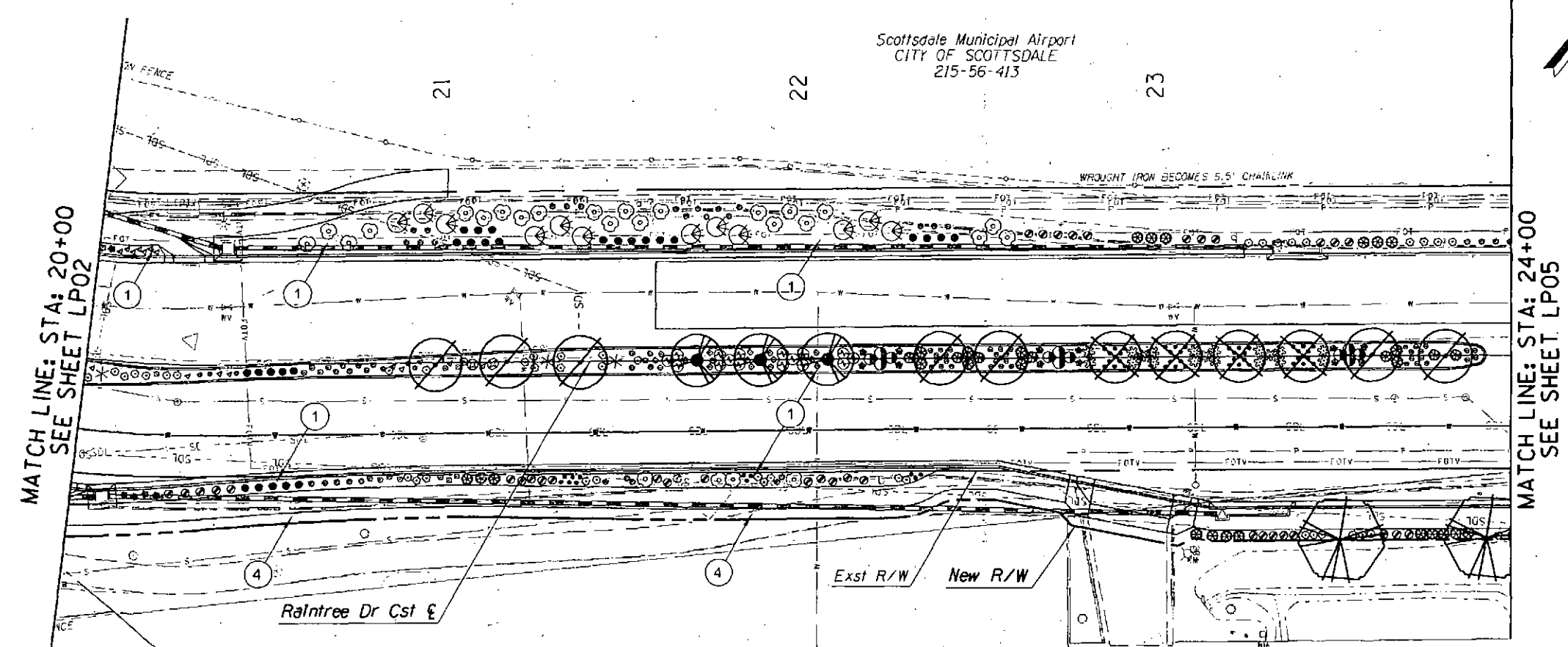
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DATE	REVISION	BY
PRELIMINARY	30%	
NOT FOR CONSTRUCTION OR RECORDING		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN RAINTREE DRIVE STA 20+00 TO STA 24+00**

PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>			
SCALE: HORIZ. 1"=20'	DESIGNED: RC/DD	DATE: 06/14	BID NO.:
VERT.:	DRAWN: J2CAD	AS-BUILT:	PROJECT NO. S1103
			SHT. LPO4 163 of 297



Scottsdale Municipal Airport  
CITY OF SCOTTSDALE  
215-56-413

ARIZONA CONFERENCE CORP OF SEVENTH DAY ADVENTIST  
215-56-333

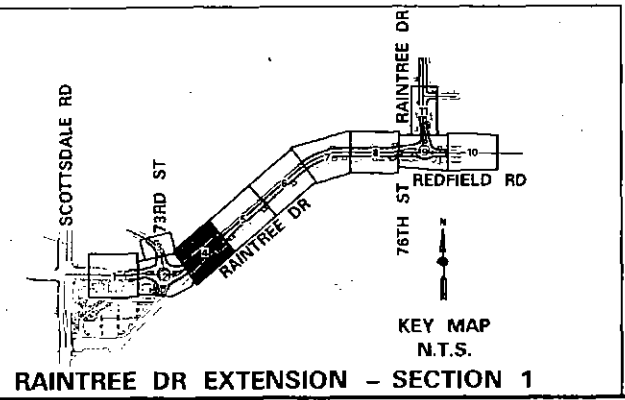
CITY OF SCOTTSDALE  
7535 E REDFIELD RD  
215-56-334

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



**"LANDSCAPE PLANS TO BE UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
CALL TWO WEEKS BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)





4:28:17 PM




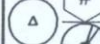
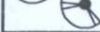


PLOT DATE: 6/17/2014

DESIGN FILE: P:\2013\96\J2CAD\Sheet\Landscapes\cos177\_LP05.dgn

### PLANT SCHEDULE

GENUS/SPECIES

TREES:

-  *Acacia aneura*
-  *Caesalpinia cacalaco* 'Smoothie'
-  *Chitalpa tashkentensis* 'Pink Dawn'
-  *Olea europaea* 'Swan Hill'
-  *Olneya tesota* - Salvaged
-  *Olneya tesota*
-  *Sophora secundiflora* 'Silver Sierra'

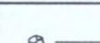



SHRUBS:

-  *Ballea multiradiata*
-  *Calliandra eriophylla*
-  *Callistemon citrinus* 'Little John'
-  *Convolvulus cneorum*
-  *Dalea capitata* 'Sierra Gold'
-  *Dalea greggii*
-  *Eremophila glabra* ssp. 'Winter Blaze'
-  *Larrea tridentata*
-  *Leucophyllum zygophyllum* 'Cimarron'
-  *Ruellia brittoniana* 'Rosa'
-  *Ruellia peninsularis*
-  *Senna covesii*
-  *Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

-  *Agave desmettiana*
-  *Agave havardiana*
-  *Agave parryi*
-  *Agave vilmoreniana*
-  *Aloe 'Blue Elf'*
-  *Carnegiea gigantea* - Salvaged
-  *Carnegiea gigantea*
-  *Dasyliirion wheeleri*
-  *Echinocactus grusonii*
-  *Euphorbia antisyphilitica*
-  *Fouquieria splendens* - Salvaged
-  *Fouquieria splendens*
-  *Hesperaloe parviflora* x 'Brakelights'
-  *Opuntia violacea* var. 'Santa Rita'
-  *Penstemon parryi*
-  *Penstemon superbus*
-  *Yucca pallida*
-  *Yucca recurvifolia*

BOULDERS

-  Salvaged & Relocated from On-Site
-  A - Small (2' x 2' x 2')
-  B - Medium (3' x 3' x 3')
-  C - Large (4' x 4' x 4')

Notes:

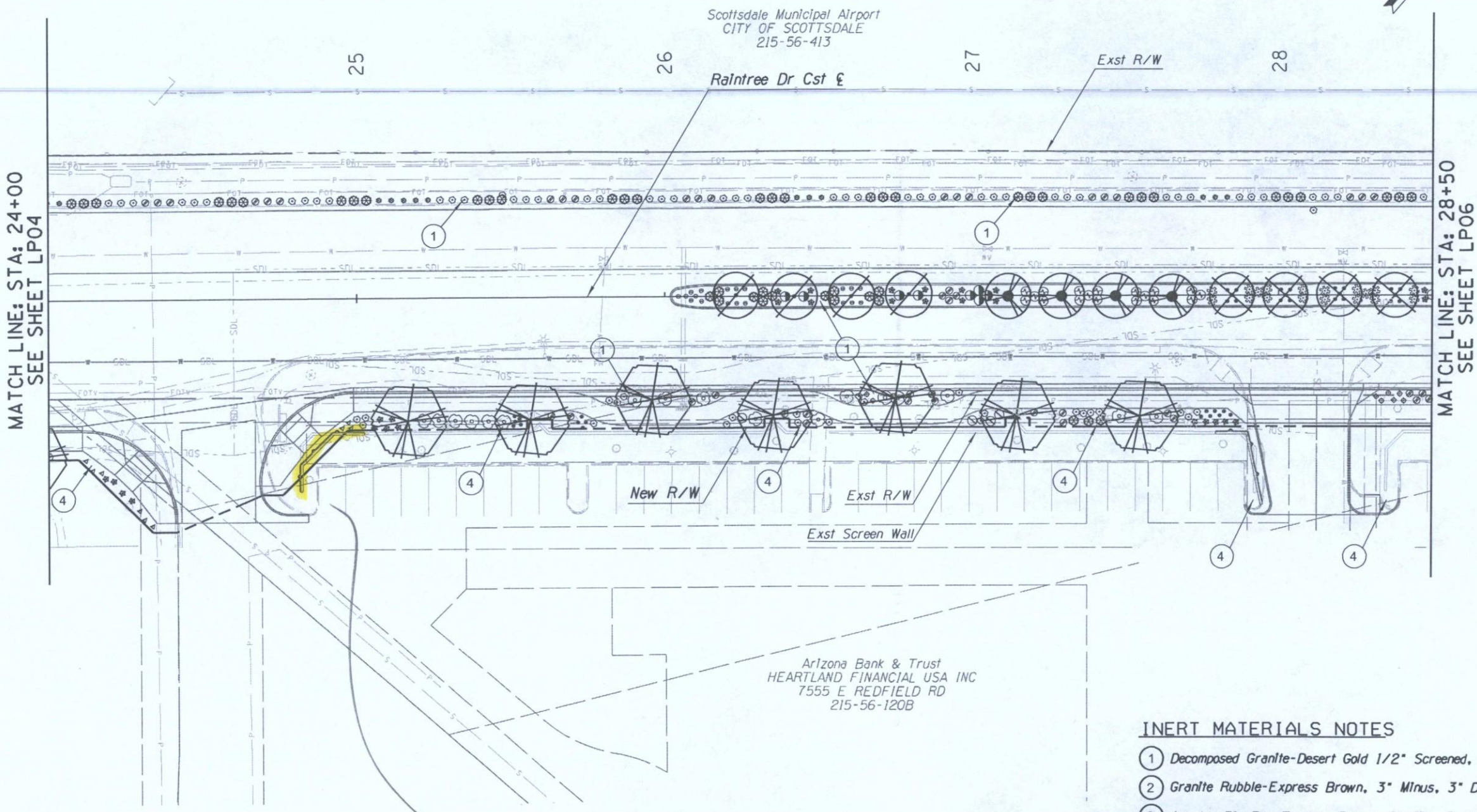
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2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY

ENGINEER	PRELIMINARY		PUBLIC WORKS
	30%		CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
 STA 24+00 TO STA 28+50

PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>			
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	DRAWN	AS-BUILT	PROJECT NO.
	J2CAD		SI103
			SHT. LPO5
			164 OF 297



MATCH LINE: STA: 24+00  
SEE SHEET LP04

MATCH LINE: STA: 28+50  
SEE SHEET LP06

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

Arizona Bank & Trust  
 HEARTLAND FINANCIAL USA INC  
 7555 E REDFIELD RD  
 215-56-1208

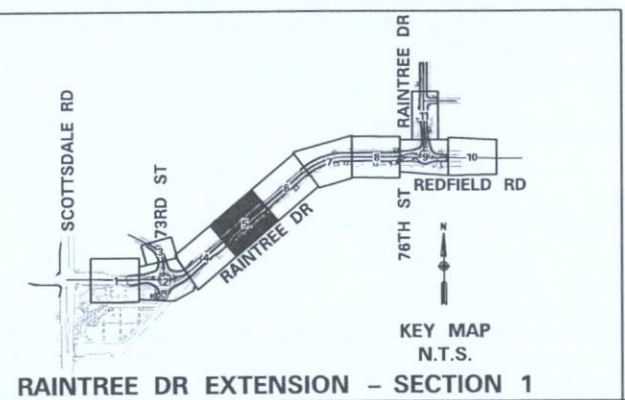
### INERT MATERIALS NOTES

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- 3 Angular Rip Rap-Express Brown, 6"-18", Depth Varies

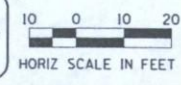
### GENERAL NOTES

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RETAINING WALL  
 OUTSIDE OF ROW



ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





### PLANT SCHEDULE

GENUS/SPECIES	
<b>TREES:</b>	
	<i>Acacia aneura</i>
	<i>Caesalpinia cacalaco</i> 'Smoothie'
	<i>Chitalpa tashkentensis</i> 'Pink Dawn'
	<i>Olea europaea</i> 'Swan Hill'
	<i>Olneya tesota</i> - Salvaged
	<i>Olneya tesota</i>
	<i>Sophora secundiflora</i> 'Silver Sierra'
<b>SHRUBS:</b>	
	<i>Baileya multiradiata</i>
	<i>Calliandra eriophylla</i>
	<i>Callistemon citrinus</i> 'Little John'
	<i>Convolvulus cneorum</i>
	<i>Dalea capitata</i> 'Sierra Gold'
	<i>Dalea greggii</i>
	<i>Eremophila glabra</i> ssp. 'Winter Blaze'
	<i>Larrea tridentata</i>
	<i>Leucophyllum zygophyllum</i> 'Cimarron'
	<i>Ruellia brittoniana</i> 'Rosa'
	<i>Ruellia peninsularis</i>
	<i>Senna covesii</i>
	<i>Tecoma hybrid</i> 'Solar Flare'
<b>ACCENTS/CACTI:</b>	
	<i>Agave desmettiana</i>
	<i>Agave havardiana</i>
	<i>Agave parryi</i>
	<i>Agave vilmoreniana</i>
	<i>Aloe</i> 'Blue Elf'
	<i>Carnegiea gigantea</i> - Salvaged
	<i>Carnegiea gigantea</i>
	<i>Dasylirion wheeleri</i>
	<i>Echinocactus grusonii</i>
	<i>Euphorbia antisiphilitica</i>
	<i>Fouquieria splendens</i> - Salvaged
	<i>Fouquieria splendens</i>
	<i>Hesperaloe parviflora</i> x 'Brakeights'
	<i>Opuntia violacea</i> var. 'Santa Rita'
	<i>Penstemon parryi</i>
	<i>Penstemon superbus</i>
	<i>Yucca pallida</i>
	<i>Yucca recurvifolia</i>

BOULDERS	
Salvaged & Relocated from On-Site	
	A - Small (2' x 2' x 2')
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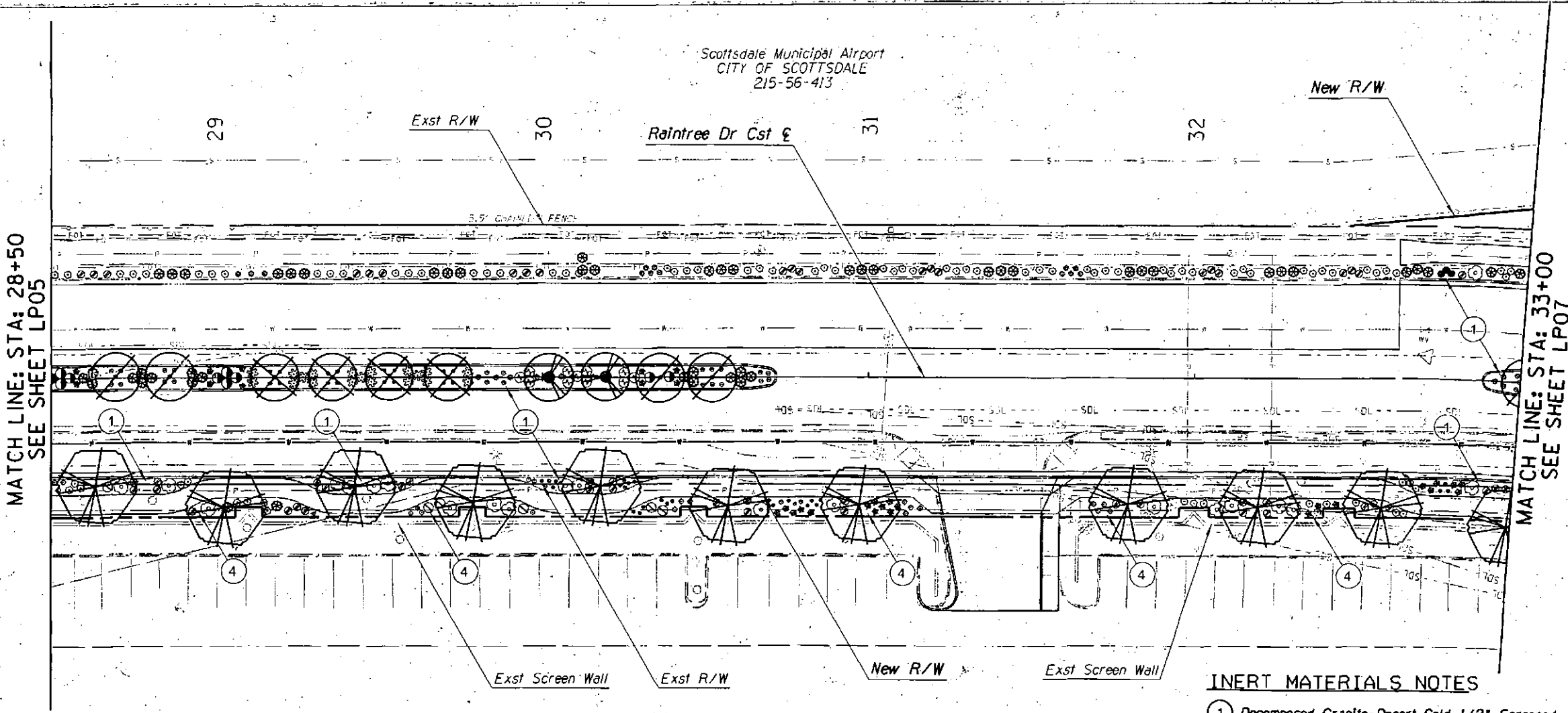
- Notes:**
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
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DATE	REVISION	BY

ENGINEER	PRELIMINARY		PUBLIC WORKS
30%	NOT FOR CONSTRUCTION OR RECORDING		CAPITAL PROJECT MANAGEMENT

SHEET TITLE: **LANDSCAPE PLAN RAINTREE DRIVE STA 28+50 TO STA 33+00**

PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>			
SCALE: HORIZ. 1"=20'	DESIGNED BY: J2CAD	DATE: 06/14	BID NO.:
VERT.:	DRAWN BY: J2CAD	AS-BUILT:	PROJECT NO. S1103
			SHT. LPO6
			165 of 297



Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

MATCH LINE: STA: 28+50  
 SEE SHEET LPO5

MATCH LINE: STA: 33+00  
 SEE SHEET LPO7

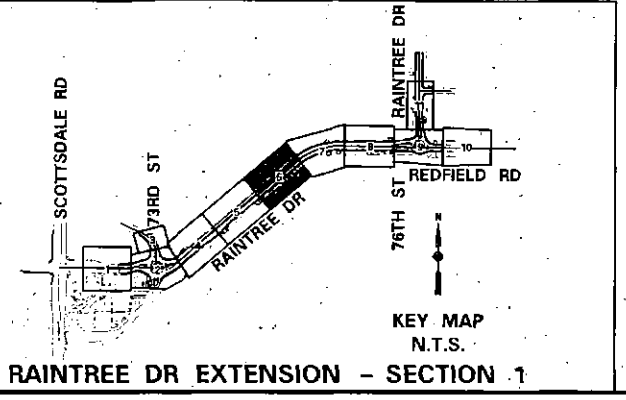
### INERT MATERIALS NOTES

- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

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Thunderbird Airpark Center  
 7575 E. REDFIELD LLC  
 7575 E. REDFIELD RD  
 215-56-119, 215-56-120A



ARIZONA BLVD STAKE  
 CALL THE BUREAU OF LAND MANAGEMENT FOR THE  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (IN PIMA AND MARICOPA COUNTIES)

SCALE: HORIZ. 1"=20'

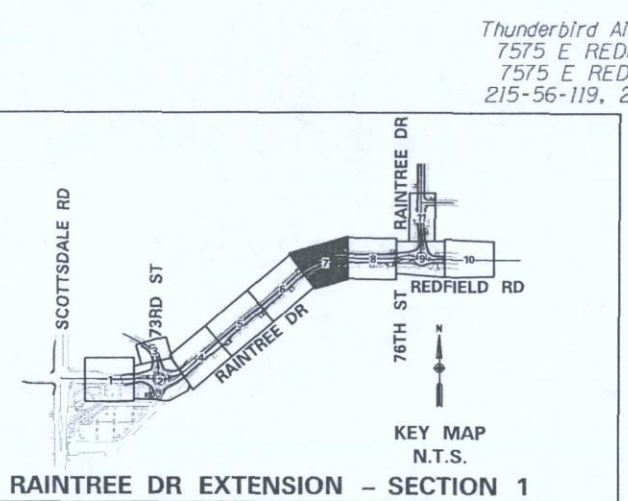
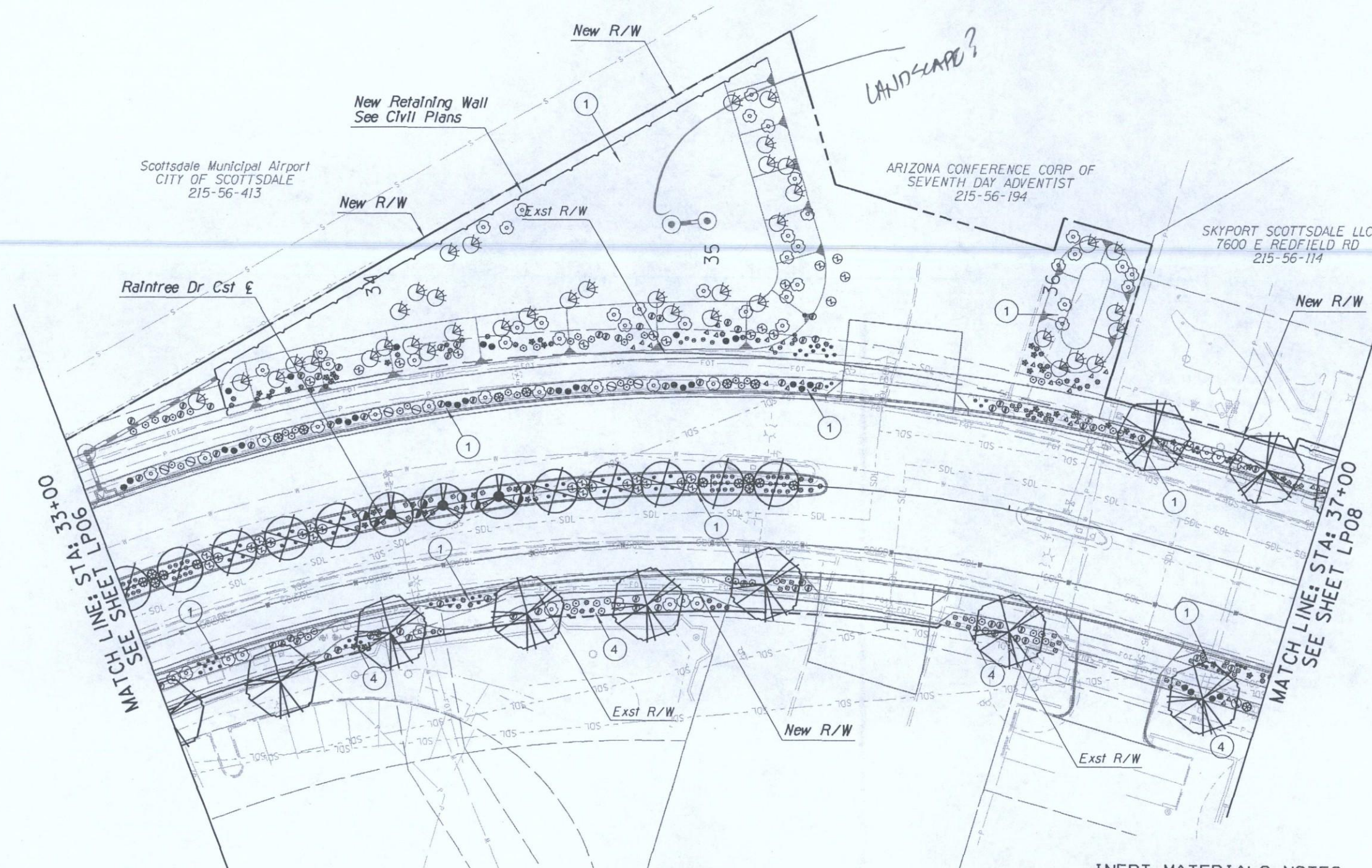
HORIZ SCALE IN FEET



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PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\J2Cad\Shreets\Landscapes\cosi77\_LP07.dgn



Thunderbird Airpark Center  
7575 E REDFIELD LLC  
7575 E REDFIELD RD  
215-56-119, 215-56-120A

ARIZONA CONFERENCE CORP OF  
SEVENTH DAY ADVENTIST  
215-56-193

SKYPORT SCOTTSDALE LLC  
7600 E REDFIELD RD  
215-56-114

**INERT MATERIALS NOTES**

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**J2** Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

**TREES:**

- Acacla aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

**SHRUBS:**

- Baileya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus cneorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
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- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasylirion wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

**BOULDERS**

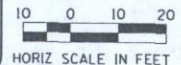
- Salvaged & Relocated from On-Site
- A - Small (2' x2' x2')
- B - Medium (3' x3' x3')
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**Notes:**

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DATE	REVISION	BY
ENGINEER		
PRELIMINARY		PUBLIC WORKS
30%		CAPITAL PROJECT MANAGEMENT
NOT FOR CONSTRUCTION OR RECORDING		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
LANDSCAPE PLAN RAINTREE DRIVE STA 33+00 TO STA 37+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	BID NO.
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	PROJECT NO. S1103
		SHT. LP07
		166 OF 297

ARIZONA BLUE STAKE  
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Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)





4:28:23 PM

PLOT DATE: 6/17/2014

DESIGN FILE: P:\1205966\1205966\_Sheets\Landscape\cosi77\_1.LPOB.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

##### SHRUBS

- Baileya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI

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- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe* 'Blue Elf'
- Carnegia gigantea* - Salvaged
- Carnegia gigantea*
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- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
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##### Notes:

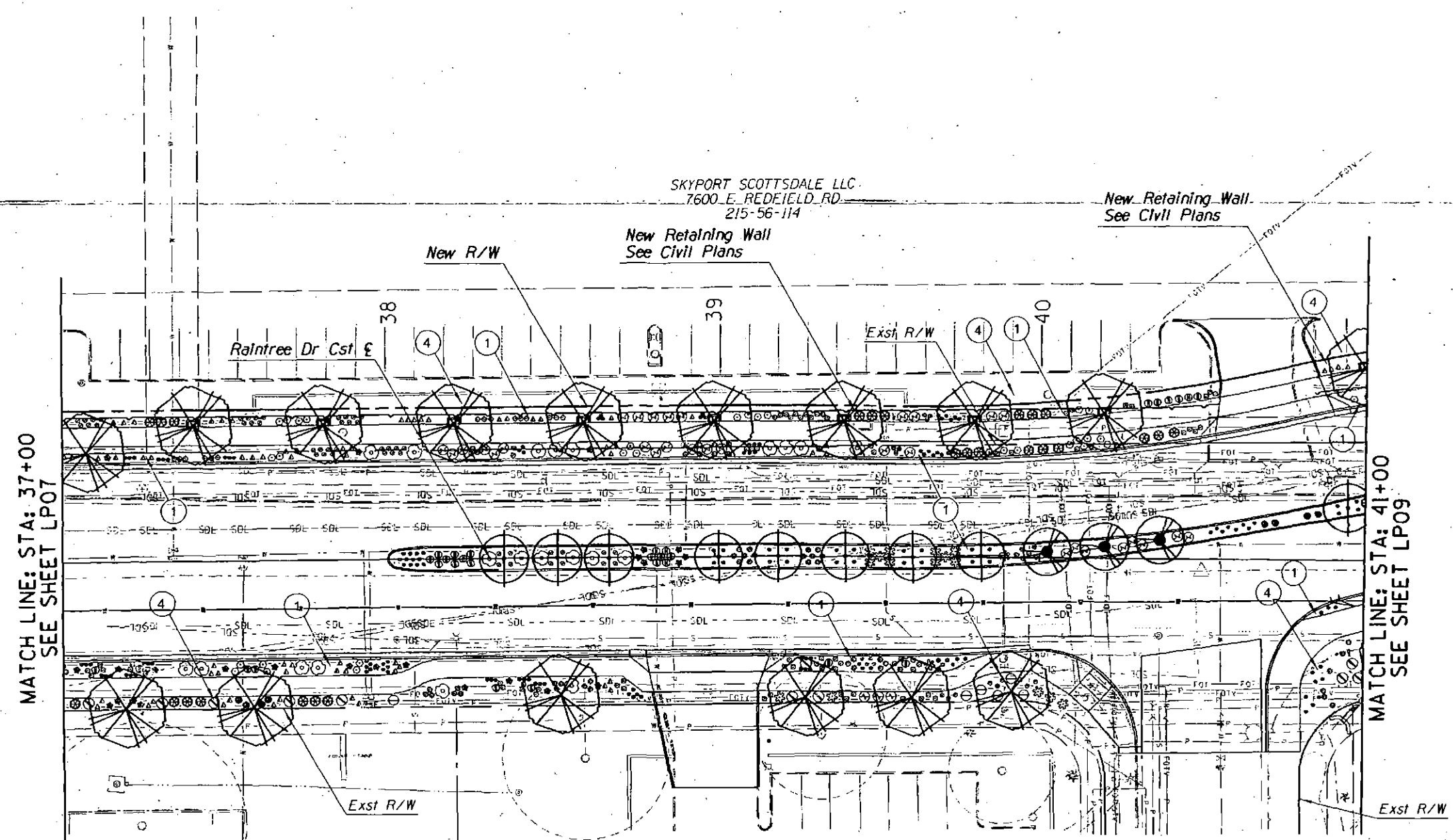
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DATE: REVISION: BY:

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
30%	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE: LANDSCAPE PLAN  
RAINTREE DRIVE  
STA 37+00 TO STA 41+00

PROJECT TITLE	RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L
SCALE	DESIGNED RC/DD 06/14 DRAWN J2CAD 45-BUILT
HORIZ. 1"=20'	BID NO. PROJECT NO. S1103
VERT. -	SHT. LPOB 167 OF 297



MATCH LINE: STA: 37+00  
SEE SHEET LPO7

MATCH LINE: STA: 41+00  
SEE SHEET LPO9

SKYPORT SCOTTSDALE LLC  
7600 E. REDFIELD RD.  
215-56-114

New Retaining Wall  
See Civil Plans

New Retaining Wall  
See Civil Plans

Raintree Dr Cst E

Exst R/W

Exst R/W

Exst R/W

Thunderbird Executive Office Park  
REDFIELD OFFICE PARTNERS LLC  
7585 E REDFIELD RD  
215-56-116

Thunderbird Executive Office Park  
REDFIELD OFFICE PARTNERS LLC  
7595 E REDFIELD RD  
215-56-115

### INERT MATERIALS NOTES

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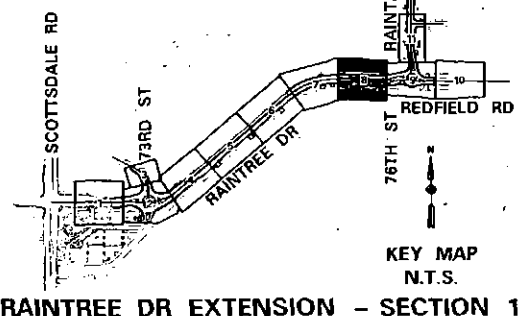
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**"LANDSCAPE PLANS TO BE  
UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
CALL AND MARKING DAYS BEFORE USE  
Dial 811 OR 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

10 0 10 20  
HORIZ SCALE IN FEET



KEY MAP  
N.T.S.

RAINTREE DR EXTENSION - SECTION 1



**PLANT SCHEDULE**

GENUS/SPECIES	
<b>TREES:</b>	
	<i>Acacia aneura</i>
	<i>Caesalpinia cacalaco</i> 'Smoothie'
	<i>Chitalpa tashkentensis</i> 'Pink Dawn'
	<i>Olea europaea</i> 'Swan Hill'
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	<i>Olneya tesota</i>
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	<i>Agave parryi</i>
	<i>Agave vilmoriniana</i>
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	<i>Carnegia gigantea</i> - Salvaged
	<i>Carnegia gigantea</i>
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	<i>Echinocactus grusonii</i>
	<i>Euphorbia antisyphilitica</i>
	<i>Fouquieria splendens</i> - Salvaged
	<i>Fouquieria splendens</i>
	<i>Hesperaloe parviflora</i> x 'Brakeights'
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	<i>Penstemon parryi</i>
	<i>Penstemon superbus</i>
	<i>Yucca pallida</i>
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BOULDERS	
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	A - Small (2'x2'x2')
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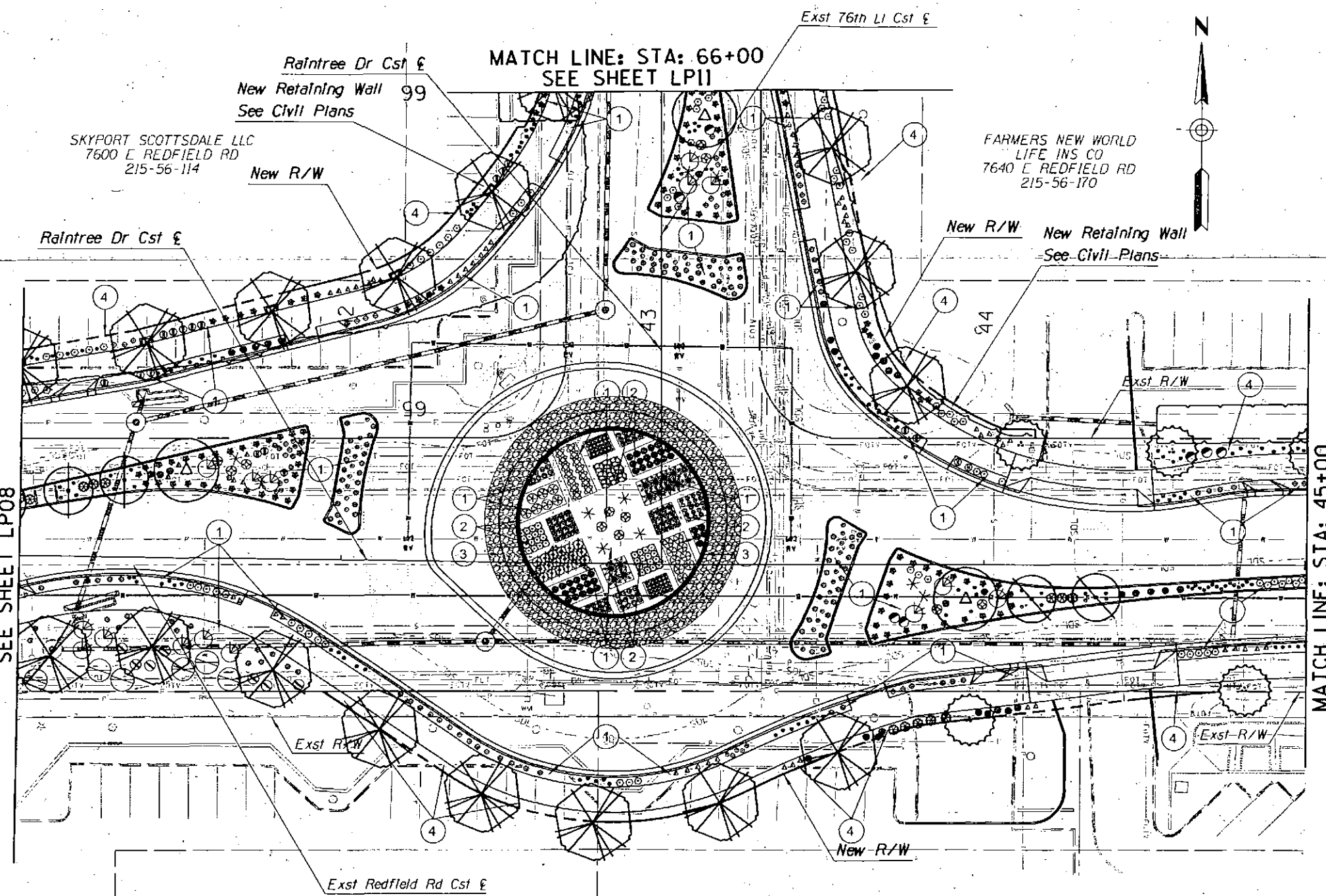
DATE	REVISION	BY

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
<b>30%</b>	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE: **LANDSCAPE PLAN  
RAINTREE DRIVE  
STA 41+00 TO STA 45+00**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION  
SCOTTSDALE ROAD TO SR 101L**

SCALE	DATE	BID NO.	SHT.
HORIZ. 1"=20'	DESIGNED RC/DD 06/14		LPO9
VERT. -	DRAWN J2CAD 05-BUILT	PROJECT NO. S1103	168 of 297



MATCH LINE: STA: 41+00  
SEE SHEET LP08

MATCH LINE: STA: 45+00  
SEE SHEET LP10

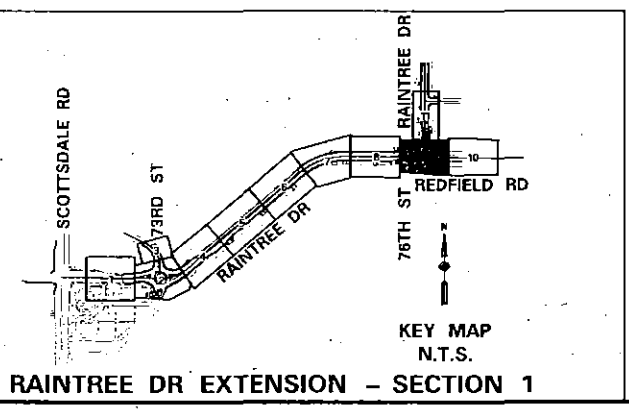
**INERT MATERIALS NOTES**

- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

**"LANDSCAPE PLANS TO BE  
UPDATED DURING FINAL DESIGN"**



ARIZONA BLUE STAKE  
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 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (ARIZONA BLUE STAKE COUNTY)

10 0 10 20  
 HORIZ SCALE IN FEET

DESIGN FILE: P:\205966\_12\edit\sheet\landscapes\lpo9.dgn DATE: 6/17/2014 4:26:25 PM



4:28:28 PM

PLOT DATE: 6/17/2014

DESIGN FILE: P:\1205966\12Cad\Sheets\Landscapes\cos177\_LP10.dgn

J2 Engineering and Environmental Design  
4549 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Baileya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus cneorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana
- Agave haywardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasylirion wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakeights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

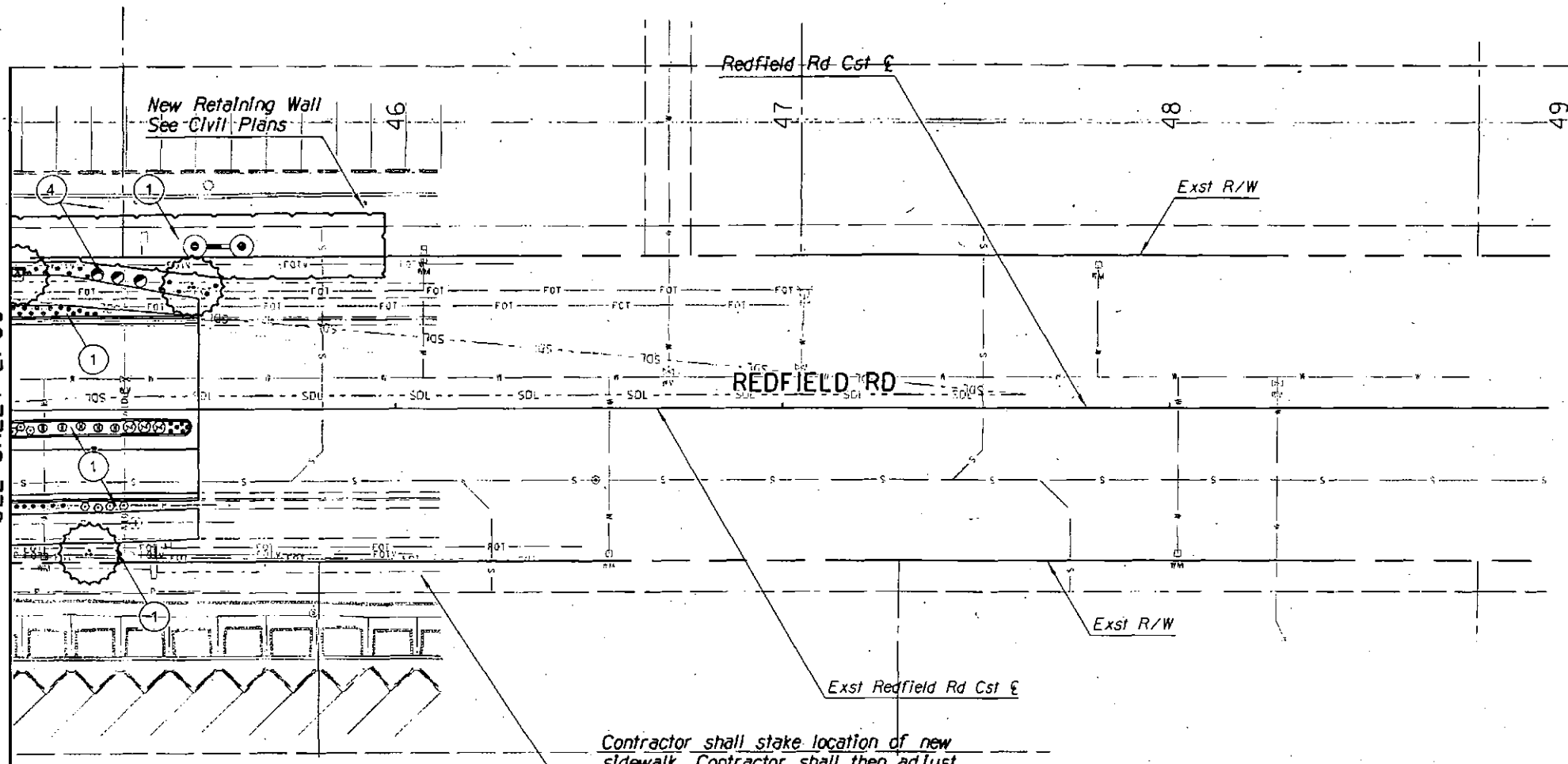
BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:

1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

MATCH LINE: STA: 45+00  
SEE SHEET LP09



RELIABLE FINANCIAL LLC  
7645 E. REDFIELD RD  
215-56-190A

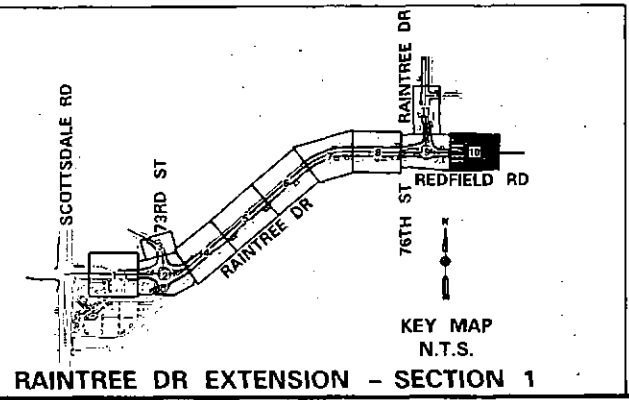
Contractor shall stake location of new sidewalk. Contractor shall then adjust, repair, and/or modify existing turf and turf irrigation equipment to maintain 100% coverage to back of new sidewalk, typical.

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

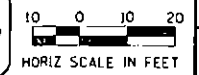
**GENERAL NOTES**

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**"LANDSCAPE PLANS TO BE UPDATED DURING FINAL DESIGN"**

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1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
30%	7441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
NOT FOR CONSTRUCTION OR RECORDING	SHEET TITLE	
LANDSCAPE PLAN RAINTREE DRIVE STA 45+00 TO STA 46+50		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	PROJECT NO.
		S1103
		SHT.
		169 OF 297



4:28:29 PM

PLOT DATE: 6/17/2014

DESIGN FILE: P:\1205966\J2Cad\Sheets\Landscapes\cos177\_LPI1.dgn

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

##### SHRUBS:

- Balleya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus cneorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

##### ACCENTS/CACTI:

- Agave desmetiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasyliiron wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

##### BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

##### Notes:

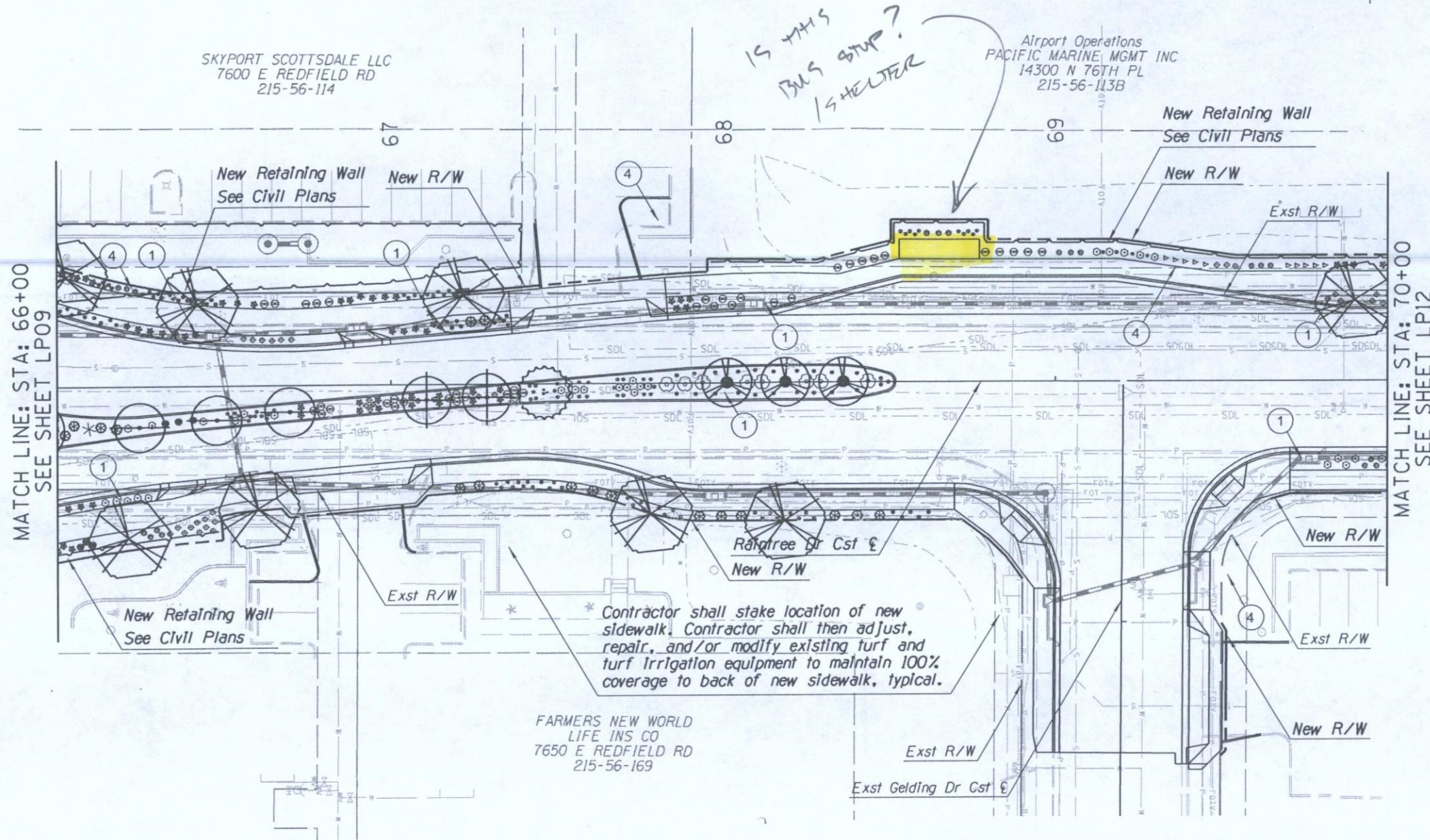
1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE: REVISION: BY:

ENGINEER	PRELIMINARY	<b>30%</b>	NOT FOR CONSTRUCTION OR RECORDING	<b>PUBLIC WORKS</b>	<b>CAPITAL PROJECT MANAGEMENT</b>
				 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
**STA 66+00 TO STA 70+00**

PROJECT TITLE	<b>RAINTREE DRIVE EXTENSION</b>				
	<b>SCOTTSDALE ROAD TO SR 101L</b>				
SCALE	DESIGNED RC/DO	DATE 06/14	BID NO.	SHT. LPI1	
HORIZ. 1"=20'	DRAWN J2CAD	AS-BUILT	PROJECT NO. S1103	170 of 297	
VERT. -					



### INERT MATERIALS NOTES

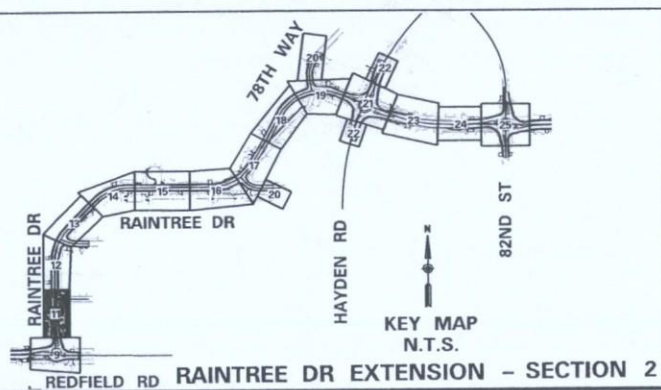
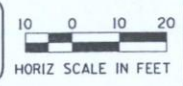
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

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 UPDATED DURING FINAL DESIGN"**

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 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





**PLANT SCHEDULE**

GENUS/SPECIES

TREES

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS

- Baleya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegia gigantea* - Salvaged
- Carnegia gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:  
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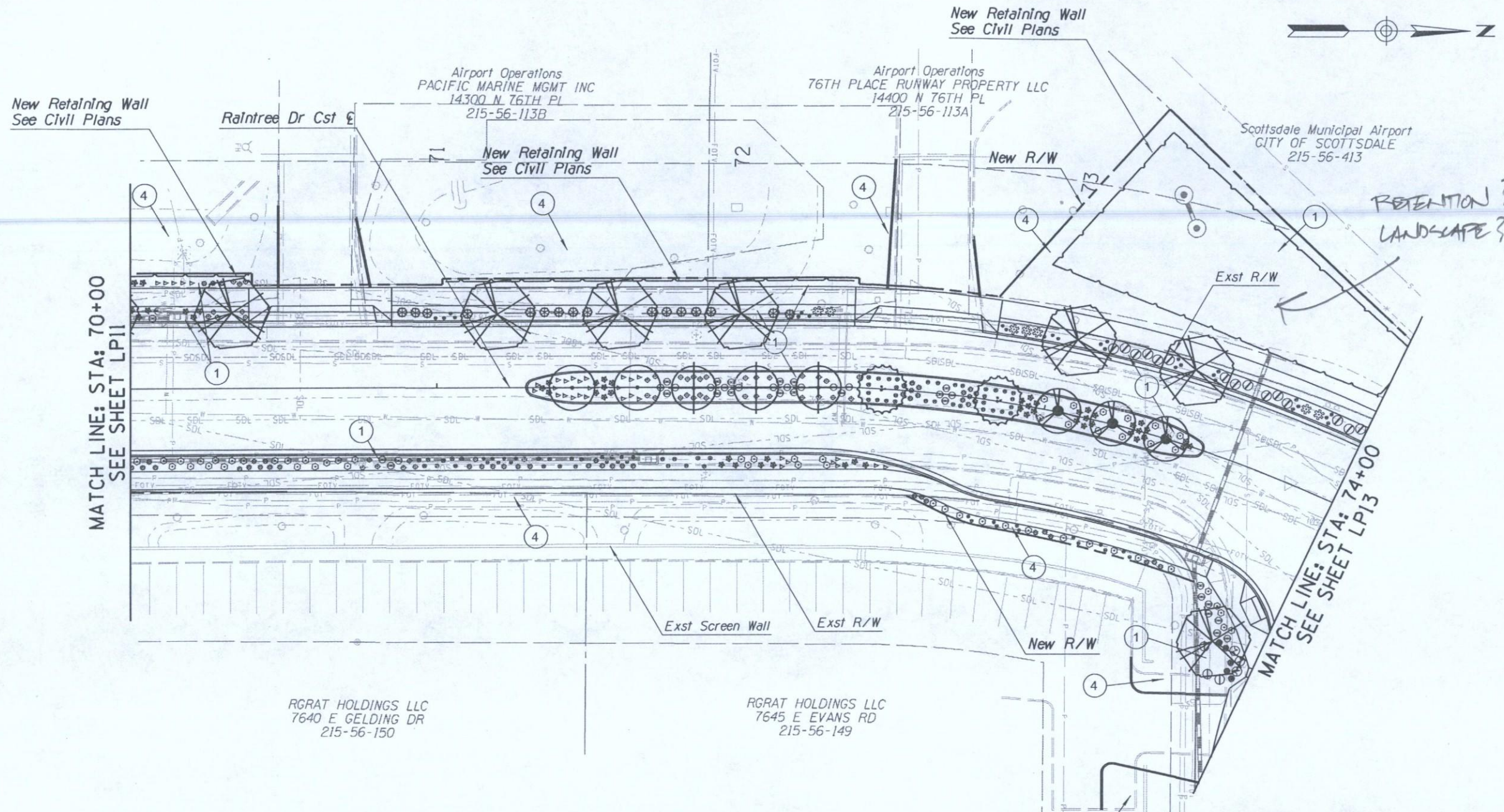
DATE	REVISION	BY

ENGINEER: PRELIMINARY  
 30%  
 NOT FOR CONSTRUCTION OR RECORDING

CITY OF SCOTTSDALE  
 ARIZONA  
 PUBLIC WORKS  
 CAPITAL PROJECT MANAGEMENT  
 7447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 70+00 TO STA 74+00**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP12
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	171 OF 297
	J2CAD		S1103	



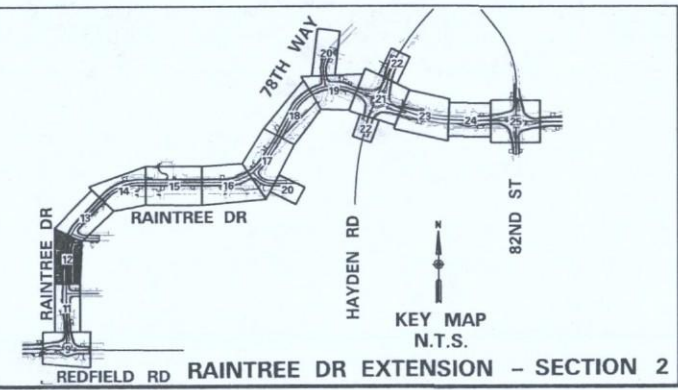
RETENTION?  
 LANDSCAPE?

**INERT MATERIALS NOTES**

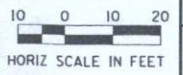
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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 (OUTSIDE MARICOPA COUNTY)



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PLOT DATE: 6/17/2014

DESIGN FILE: P:\1205966\J2CAD\SheetSet\Landscape\cosi77\_LP12.dgn



**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Baleya multiradiata*
- Callitandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

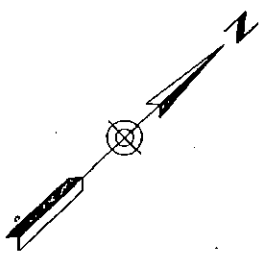
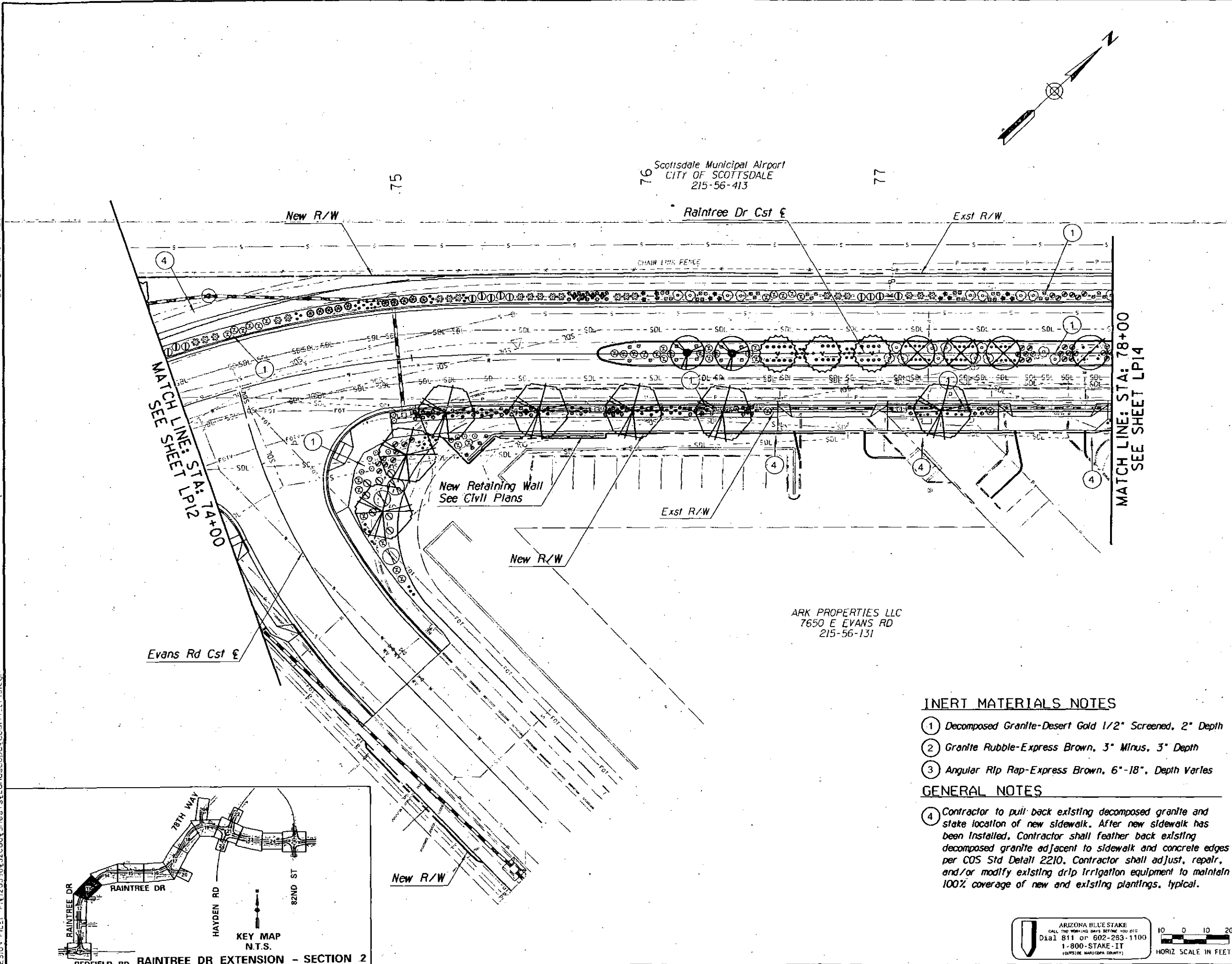
- Notes:
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY
PRELIMINARY	30%	
NOT FOR CONSTRUCTION OR RECORDING		
		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b> 1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
**STA 74+00 TO STA 78+00**

PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>			
SCALE: HORIZ. 1"=20'	DESIGNED: RC/DD	DATE: 06/14	BID NO.
VERT. -	DRAWN: J2CAD	AS-BUILT	PROJECT NO. S1103
			SHT. 172 OF 297

PLOT DATE: 6/17/2014 4:28:33 PM  
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Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

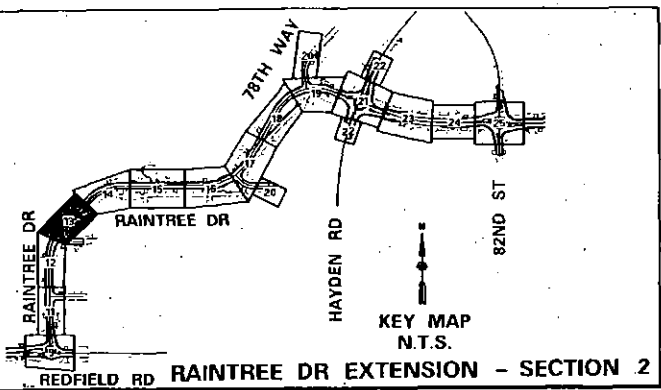
ARK PROPERTIES LLC  
 7650 E EVANS RD  
 215-56-131

**INERT MATERIALS NOTES**

- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-253-1100  
 1-800-STAKE-IT  
 (EXCEPT FOR WATER SUPPLY)

10 0 10 20  
 HORIZ SCALE IN FEET



**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Balleja multiradiata
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- Dalea greggii
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- Larrea tridentata
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- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmetiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasyliodon wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
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- Yucca pallida
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BOULDERS

- Salvaged & Relocated from On-Site
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DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	30%	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE			
LANDSCAPE PLAN RAINTREE DRIVE STA 78+00 TO STA 82+00			
PROJECT TITLE			
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L			
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	DRAWN	AS-BUILT	PROJECT NO.
	J2CAD		31103
			SHT. 173 OF 297

Contractor shall stake location of new sidewalk. Contractor shall then adjust, repair, and/or modify existing turf and turf irrigation equipment to maintain 100% coverage to back of new sidewalk, typical.

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

DENALI NATIONAL TRUST II LLC  
 7652 E ACOMA DR  
 215-56-233

Acoma Plaza  
 STEPHAN COMMERCIAL LLC  
 7633 E ACOMA DR  
 215-56-234

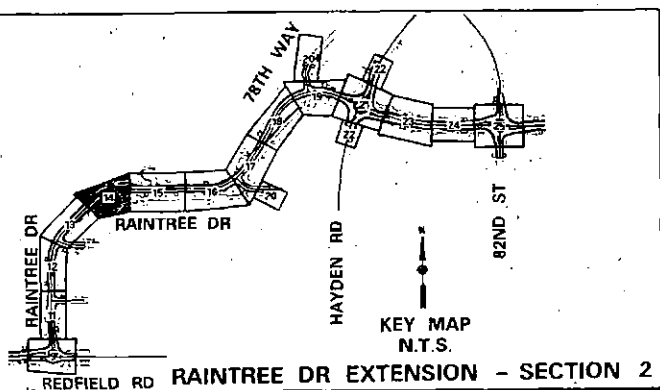
OHR T P MICHAEL/  
 MARTHA L TR  
 7671 E ACOMA DR.  
 215-56-235

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\120596.dwg

### PLANT SCHEDULE

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Sophora secundiflora* Silver Sierra

SHRUBS:

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- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
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- Penstemon parryi*
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DATE REVISION BY

ENGINEER	PRELIMINARY	 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
30%	NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
 STA 82+00 TO STA 86+50

PROJECT TITLE	<b>RAINTREE DRIVE EXTENSION</b> SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED RC/DD	DATE 06/14	BID NO.
HORIZ. 1"=20'	DRAWN J2CAD	AS-BUILT	SHT. LP15
VERT. -			PROJECT NO. S1103
			174 OF 297

WHY NOT MIRROR CUL-DE-SAC TO ALIGN W/ DRIVEWAY TO SOUTH?

ACOMA LLC  
 7812 E ACOMA DR  
 215-56-335, 336, 337  
 338, 339, 340, 341, 342

BAYPORT ACOMA ASSOCIATES LP  
 7707 E ACOMA DR  
 215-56-236

BAYPORT ACOMA ASSOCIATES LP  
 7707 E ACOMA DR  
 215-56-237

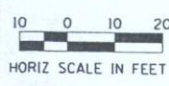
### INERT MATERIALS NOTES

- 1 Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- 2 Granite Rubble-Express Brown, 3" Minus, 3" Depth
- 3 Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

- 4 Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 OR 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



MATCH LINE: STA: 82+00  
SEE SHEET LP14

MATCH LINE: STA: 86+50  
SEE SHEET LP16

New Retaining Wall  
See Civil Plans

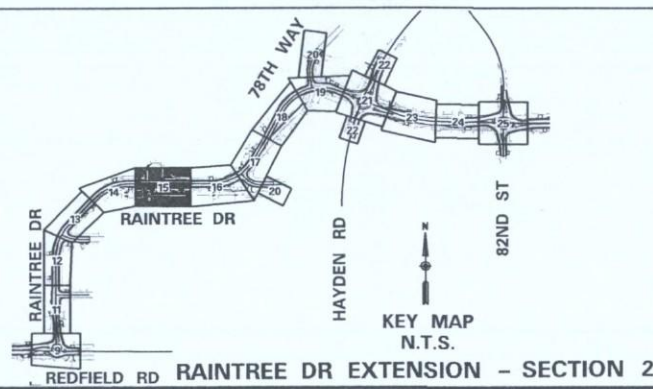
DENALI NATIONAL TRUST II LLC  
 7652 E ACOMA DR  
 215-56-233

New R/W

Contractor shall stake location of new sidewalk.  
 Contractor shall then adjust, repair, and/or modify  
 existing turf and turf irrigation equipment to maintain  
 100% coverage to back of new sidewalk, typical.

New Retaining Wall  
See Civil Plans

OHRT P MICHAEL/  
 MARTHA L TR  
 7671 E ACOMA DR  
 215-56-235



RAINTREE DR EXTENSION - SECTION 2



4:28:40 PM

PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\2\Cad\Sheet\Landscapes\cos177.LP16.dgn

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

##### SHRUBS:

- Ballea multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyliiron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

##### BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

**Notes:**

- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
- Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

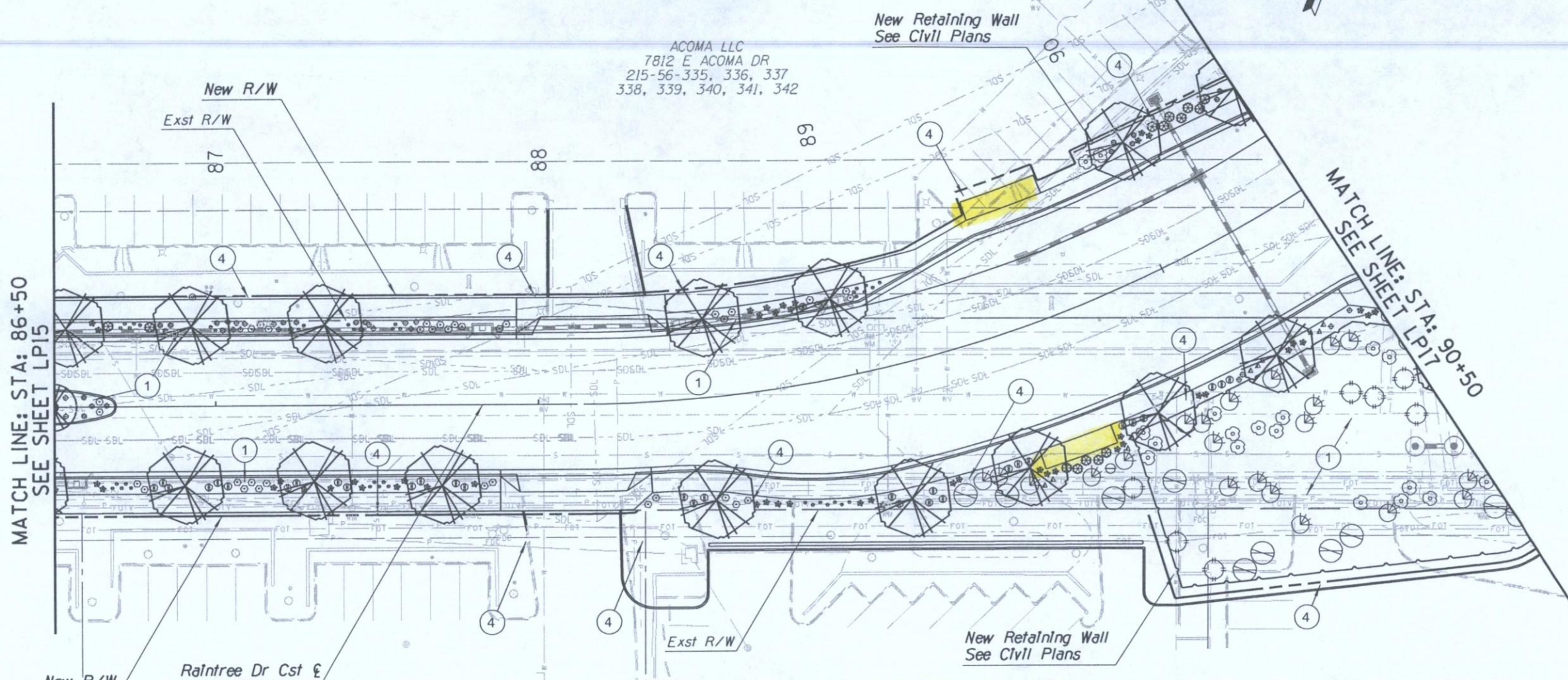
DATE	REVISION	BY

ENGINEER		PUBLIC WORKS
PRELIMINARY		CAPITAL PROJECT MANAGEMENT
30%		
NOT FOR CONSTRUCTION OR RECORDING		

SHEET TITLE: **LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 86+50 TO STA 90+50**

PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION    SCOTTSDALE ROAD TO SR 101L</b>			
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	DRAWN	AS-BUILT	PROJECT NO.
	J2CAD		S1103
			SHT. 175 OF 297

BUS SHELTERS?



ACOMA LLC  
 7812 E ACOMA DR  
 215-56-335, 336, 337  
 338, 339, 340, 341, 342

BAYPORT ACOMA ASSOCIATES LP  
 7707 E ACOMA DR  
 215-56-238

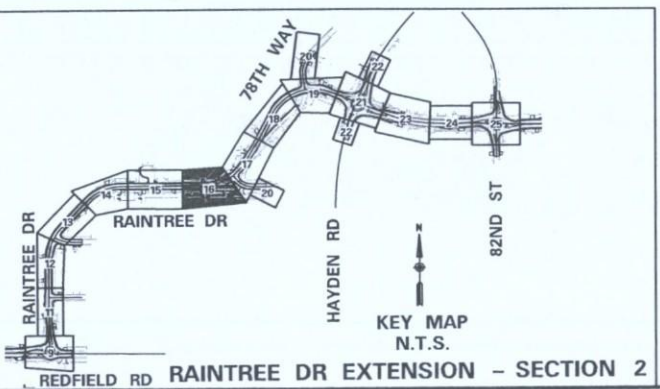
RGA PROPERTIES LLC  
 7821 E ACOMA DR  
 215-56-239

### INERT MATERIALS NOTES

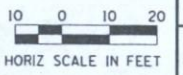
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



**ARIZONA BLUE STAKE**  
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 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





**PLANT SCHEDULE**

GENUS/SPECIES	
<b>TREES:</b>	
	<i>Acacia aneura</i>
	<i>Caesalpinia cocalaco</i> 'Smoothie'
	<i>Chitalpa tashkentensis</i> 'Pink Dawn'
	<i>Olea europaea</i> 'Swan Hill'
	<i>Olneya tesota</i> - Salvaged
	<i>Olneya tesota</i>
	<i>Sophora secundiflora</i> 'Silver Sierra'
<b>SHRUBS:</b>	
	<i>Balleya multiradiata</i>
	<i>Calliandra eriophylla</i>
	<i>Callistemon citrinus</i> 'Little John'
	<i>Convolvulus creorum</i>
	<i>Dalea capitata</i> 'Sierra Gold'
	<i>Dalea greggii</i>
	<i>Eremophila glabra</i> ssp. 'Winter Blaze'
	<i>Larrea tridentata</i>
	<i>Leucophyllum zygophyllum</i> 'Cimarron'
	<i>Ruellia brittoniana</i> 'Rosa'
	<i>Ruellia peninsularis</i>
	<i>Senna covesii</i>
	<i>Tecoma hybrid</i> 'Solar Flare'
<b>ACCENTS/CACTI:</b>	
	<i>Agave desmettiana</i>
	<i>Agave havardiana</i>
	<i>Agave parryi</i>
	<i>Agave vilmoriniana</i>
	<i>Aloe</i> 'Blue Elf'
	<i>Carnegia gigantea</i> - Salvaged
	<i>Carnegia gigantea</i>
	<i>Dasyliirion wheeleri</i>
	<i>Echinocactus grusonii</i>
	<i>Euphorbia antisyphilitica</i>
	<i>Fouquieria splendens</i> - Salvaged
	<i>Fouquieria splendens</i>
	<i>Hesperaloe parviflora</i> x 'Brakelights'
	<i>Opuntia violacea</i> var. 'Santa Rita'
	<i>Penstemon parryi</i>
	<i>Penstemon superbus</i>
	<i>Yucca pallida</i>
	<i>Yucca recurvifolia</i>

**BOULDERS**

Salvaged & Relocated from On-Site

	A - Small (2' x 2' x 2')
	B - Medium (3' x 3' x 3')
	C - Large (4' x 4' x 4')

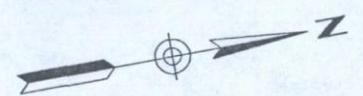
- Notes:**
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
<b>30%</b>	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
NOT FOR CONSTRUCTION OR RECORDING	

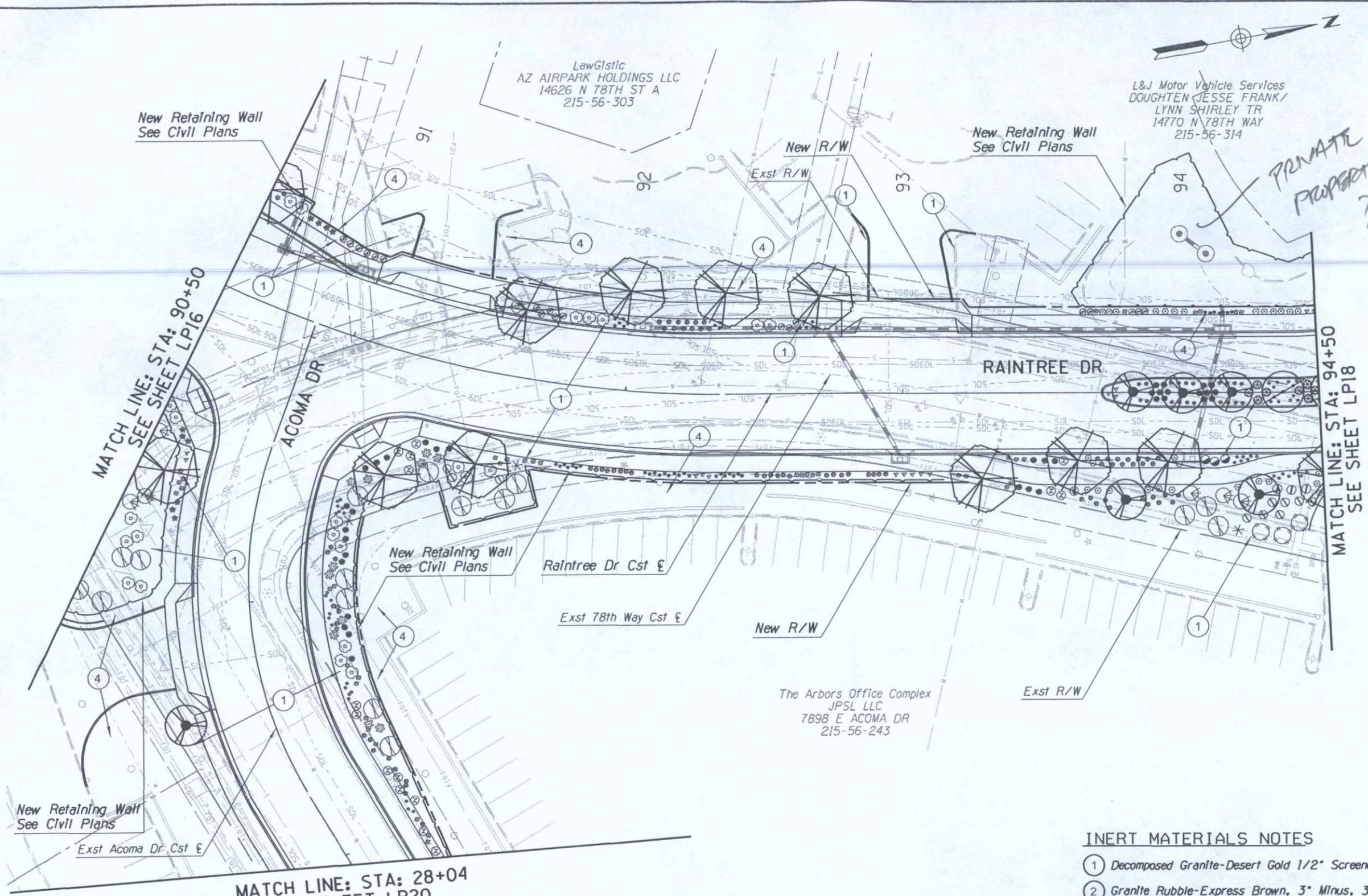
SHEET TITLE: **LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 90+50 TO STA 94+50**

PROJECT TITLE: RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L			
SCALE	DATE	BID NO.	SHT.
HORIZ. 1"=20'	DESIGNED RC/DD 06/14		LP17
VERT. -	DRAWN J2CAD AS-BUILT	PROJECT NO. S1103	176 OF 297



PLOT DATE: 6/17/2014 4:28:43 PM

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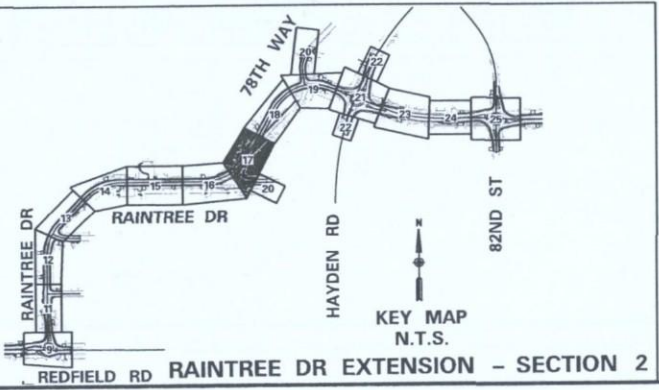


**INERT MATERIALS NOTES**

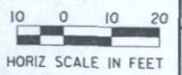
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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ARIZONA BLUE STAKE  
 CALL THE BOOKING DAYS BEFORE YOU DIE  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





**PLANT SCHEDULE**

**GENUS/SPECIES**

**TREES:**

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Plnk Down'
- Olea europaea* 'Swan Hill'
- Oleña tesota* - Salvaged
- Oleña tesota*
- Sophora secundiflora* 'Silver Sierra'

**SHRUBS:**

- Baileya multiradiata*
- Callitandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmorentiana*
- Aloe* 'Blue Elf'
- Carneglea gigantea* - Salvaged
- Carneglea gigantea*
- Dasylirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

**BOULDERS**

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
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**Notes:**

1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
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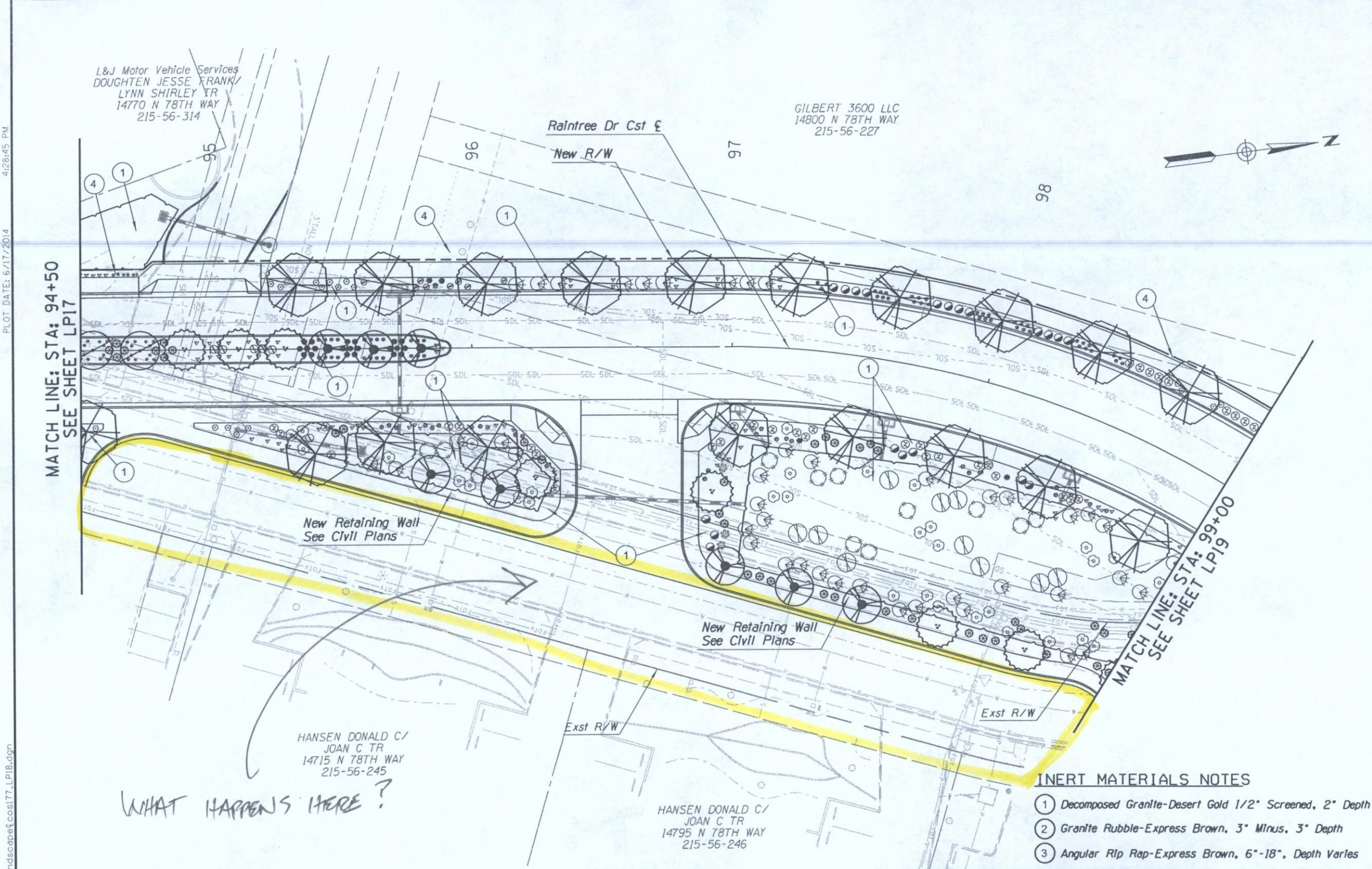
DATE	REVISION	BY

ENGINEER PRELIMINARY <b>30%</b> NOT FOR CONSTRUCTION OR RECORDING	 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 4447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
--	---

**LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
 STA 94+50 TO STA 99+00

**PROJECT TITLE**  
 RRAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L

SCALE HORIZ. 1"=20' VERT. -	DESIGNED RC/DD DRAWN J2CAD	DATE 06/14 AS-BUILT	BID NO.	SHT. LP18
			PROJECT NO. S1103	177 OF 297



MATCH LINE: STA: 94+50  
SEE SHEET LP17

MATCH LINE: STA: 99+00  
SEE SHEET LP19

WHAT HAPPENS HERE?

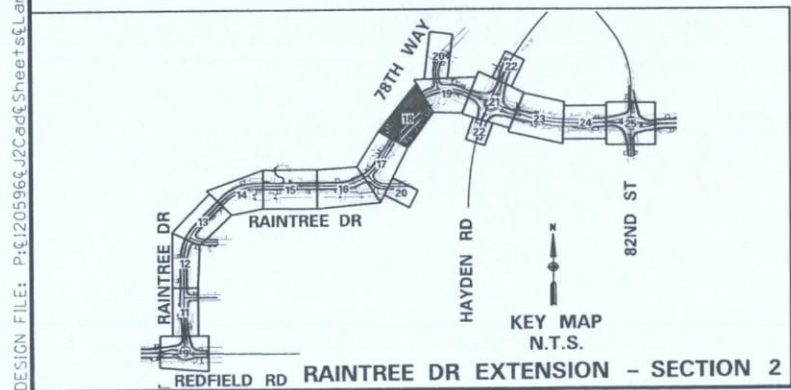
**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

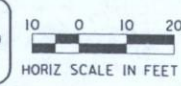
**GENERAL NOTES**

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

DESIGN FILE: P:\120596\J2\Cad\Sheets\landscape\cos177\_LP18.dgn



ARIZONA BLUE STAKE  
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 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





**PLANT SCHEDULE**

**GENUS/SPECIES**

**TREES:**

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

**SHRUBS:**

- Balleya multiradiata*
- Callitandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Clmarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covellii*
- Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyliirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

**BOULDERS**

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
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**Notes:**

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2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
<b>30%</b>	1441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
NOT FOR CONSTRUCTION OR RECORDING	

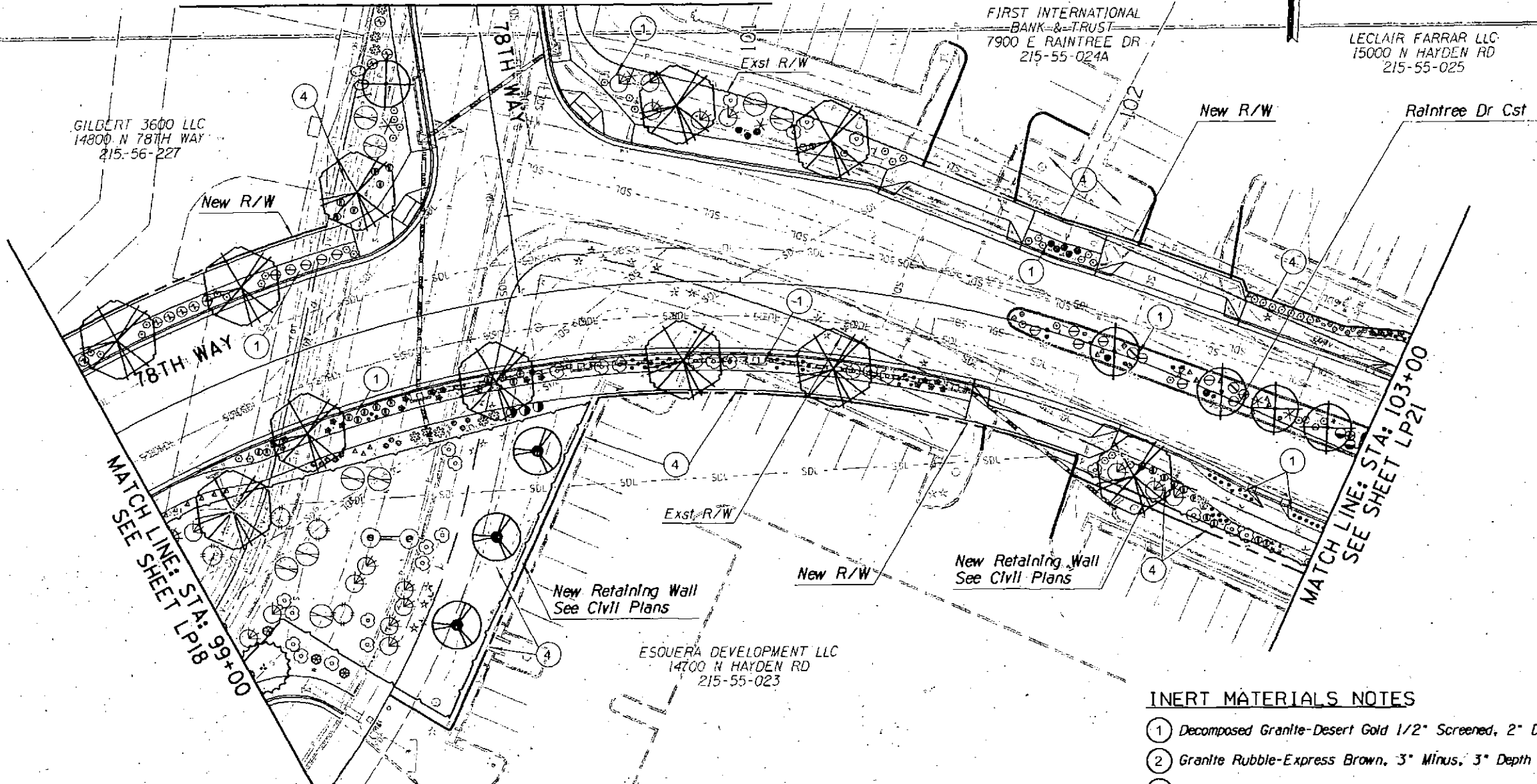
SHEET TITLE: **LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 99+00 TO STA 103+00**

SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	J2CAD	AS-BUILT	

PROJECT TITLE	PROJECT NO.	SHT.
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L	51103	178 OF 297

PLOT DATE: 6/17/2014  
 PLOT FILE: P:\2015\966\2\Cad\Sheets\1 - misc\sheet\cosi177 - LP19.dwg

MATCH LINE: STA: 66+34  
 SEE SHEET LP20



**INERT MATERIALS NOTES**

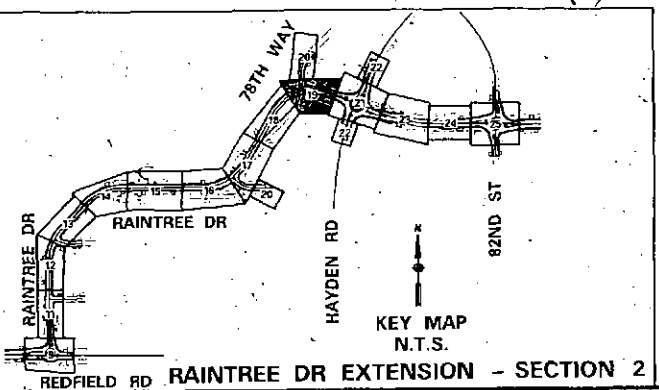
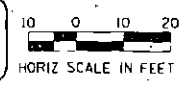
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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**"LANDSCAPE PLANS TO BE  
 UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
 CALL THE MORNING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



KEY MAP  
 N.T.S.

REDFIELD RD RAINTREE DR EXTENSION - SECTION 2



4:28:50 PM

PLT DATE: 6/7/2014

DESIGN FILE: P:\120596\120596.dwg

J2 Engineering and Environmental Design  
4849 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chilopsis tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

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- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
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- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasylistron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
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- Penstemon parryi*
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- Yucca recurvifolia*

##### BOULDERS

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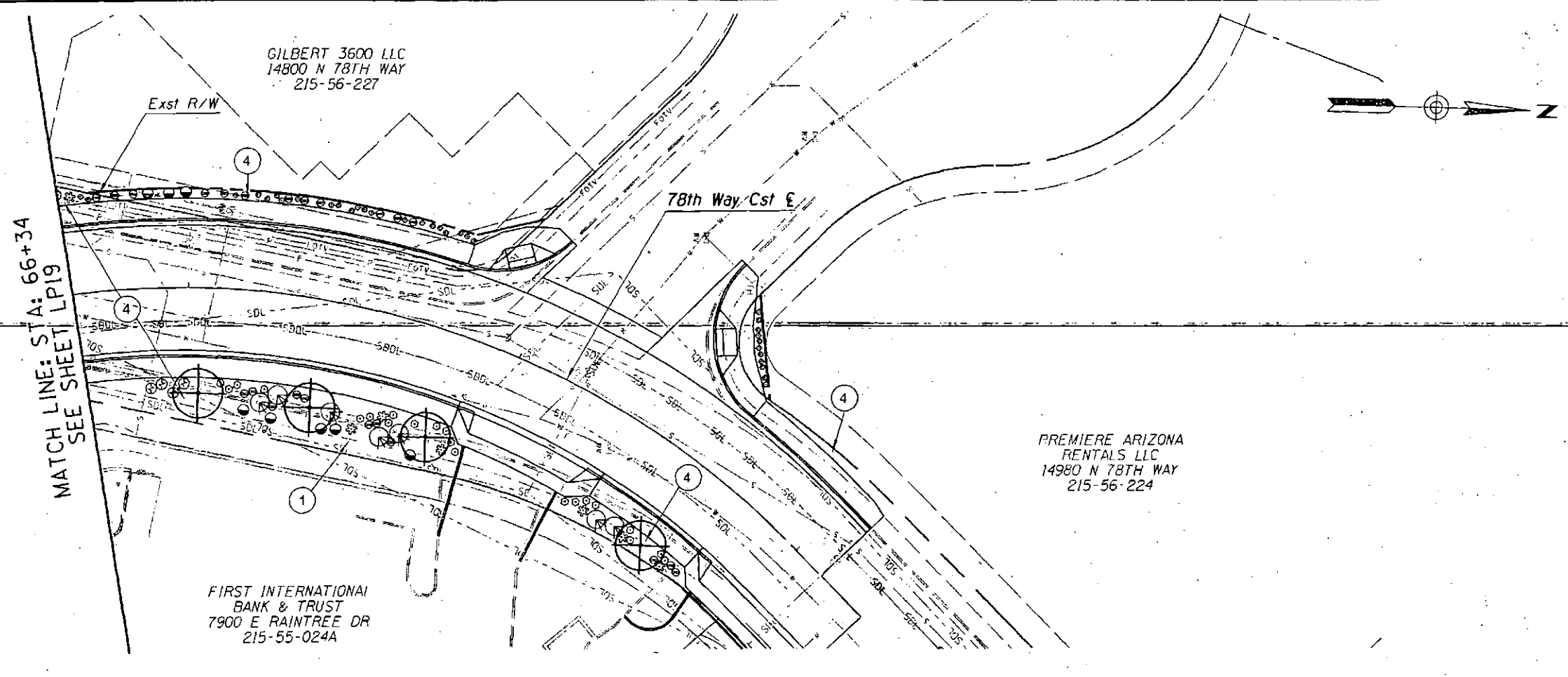
DATE REVISION BY

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
30%	7441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE: **LANDSCAPE PLAN**  
**78TH WAY**  
**ACOMA DRIVE**

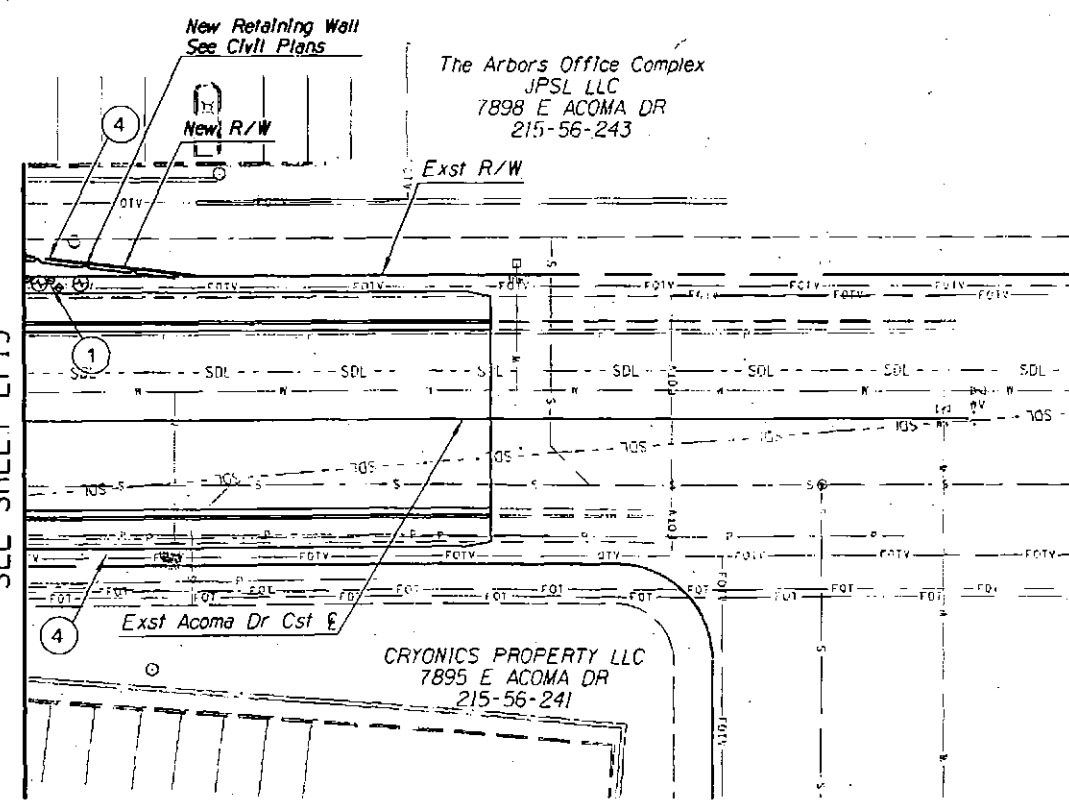
PROJECT TITLE: **RAINTREE DRIVE EXTENSION**  
**SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP20
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	
	J2CAD		S1103	179 of 297



MATCH LINE: STA: 66+34  
SEE SHEET LP19

MATCH LINE: STA: 28+04  
SEE SHEET LP19

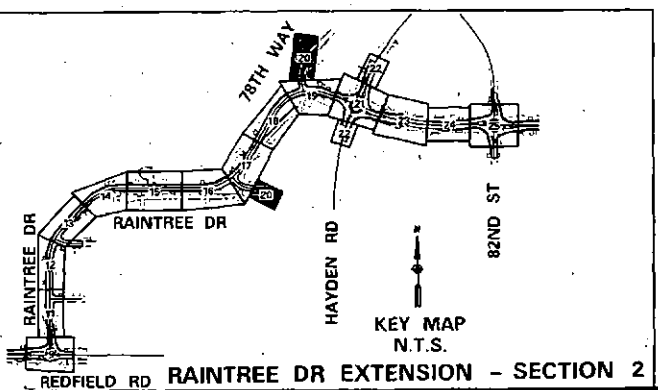


### INERT MATERIALS NOTES

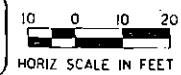
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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### GENERAL NOTES

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ARIZONA BLUE STAKE  
 CALL FOR MARKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cocalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Baileya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus creorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covellii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasylipton wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:  
 1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.  
 2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY

ENGINEER	PRELIMINARY	CITY OF SCOTTSDALE	PUBLIC WORKS
	30%		CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING		1441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
**STA 103+00 TO STA 107+00**

PROJECT TITLE	RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED RC/DD	DATE	BID NO.
HORIZ. 1"=20'		06/14	
VERT. -	J2CAD	AS-BUILT	PROJECT NO. 31103
			SHT. LP21
			(80 of 297)

MATCH LINE: STA 39+00  
 SEE SHEET LP22 TOP VIEW

MATCH LINE: STA: 103+00  
 SEE SHEET LP19

MATCH LINE: STA: 107+00  
 SEE SHEET LP23

LECLAIR FARRAR LLC  
 15000 N HAYDEN RD  
 215-55-025

D S DUNLAP TRUST  
 15001 N HAYDEN RD  
 215-55-010

ESQUERA DEVELOPMENT LLC  
 14700 N HAYDEN RD  
 215-55-023

Scottsdale Sports & Classic  
 Motorcars  
 WILLIAM L NUGENT  
 1 8053 E RAINTREE DR  
 215-55-003A

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

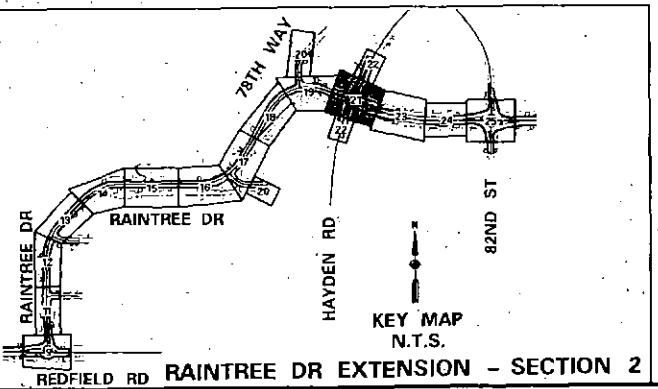
**GENERAL NOTES**

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

MATCH LINE: STA 35+50  
 SEE SHEET LP22 BOTTOM VIEW

**"LANDSCAPE PLANS TO BE  
 UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
 CALL THE MARKING SERVICE BEFORE YOU DIG  
 Dial 811 or 602-253-1100  
 1-800-STAKE-IT  
 (IN YAVAPAI MARICOPA COUNTY)



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 PLOT DATE: 6/17/2014  
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



PLOT DATE: 6/17/2014

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








### PLANT SCHEDULE

#### GENUS/SPECIES



















##### TREES:

-  *Acacia aneura*
-  *Caesalpinia cacalaco* 'Smoothie'
-  *Chitalpa tashkentensis* 'Pink Dawn'
-  *Olea europaea* 'Swan Hill'
-  *Olneya tesota* - Salvaged
-  *Olneya tesota*
-  *Sophora secundiflora* 'Silver Sierra'




##### SHRUBS:

-  *Balleya multiradiata*
-  *Calliandra eriophylla*
-  *Callistemon citrinus* 'Little John'
-  *Convolvulus creorum*
-  *Dalea capitata* 'Sierra Gold'
-  *Dalea greggii*
-  *Eremophila glabra* ssp. 'Winter Blaze'
-  *Larrea tridentata*
-  *Leucophyllum zygophyllum* 'Cimarron'
-  *Ruellia brittoniana* 'Rosa'
-  *Ruellia peninsularis*
-  *Senna covesii*
-  *Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

-  *Agave desmettiana*
-  *Agave havardiana*
-  *Agave parryi*
-  *Agave vilmoriniana*
-  *Aloe 'Blue Elf'*
-  *Carneglea gigantea* - Salvaged
-  *Carneglea gigantea*
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-  *Euphorbia antisyphilitica*
-  *Fouquieria splendens* - Salvaged
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-  *Penstemon parryi*
-  *Penstemon superbus*
-  *Yucca pallida*
-  *Yucca recurvifolia*

##### BOULDERS

- Salvaged & Relocated from On-Site
-  A - Small (2' x 2' x 2')
-  B - Medium (3' x 3' x 3')
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##### Notes:

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DATE REVISION BY

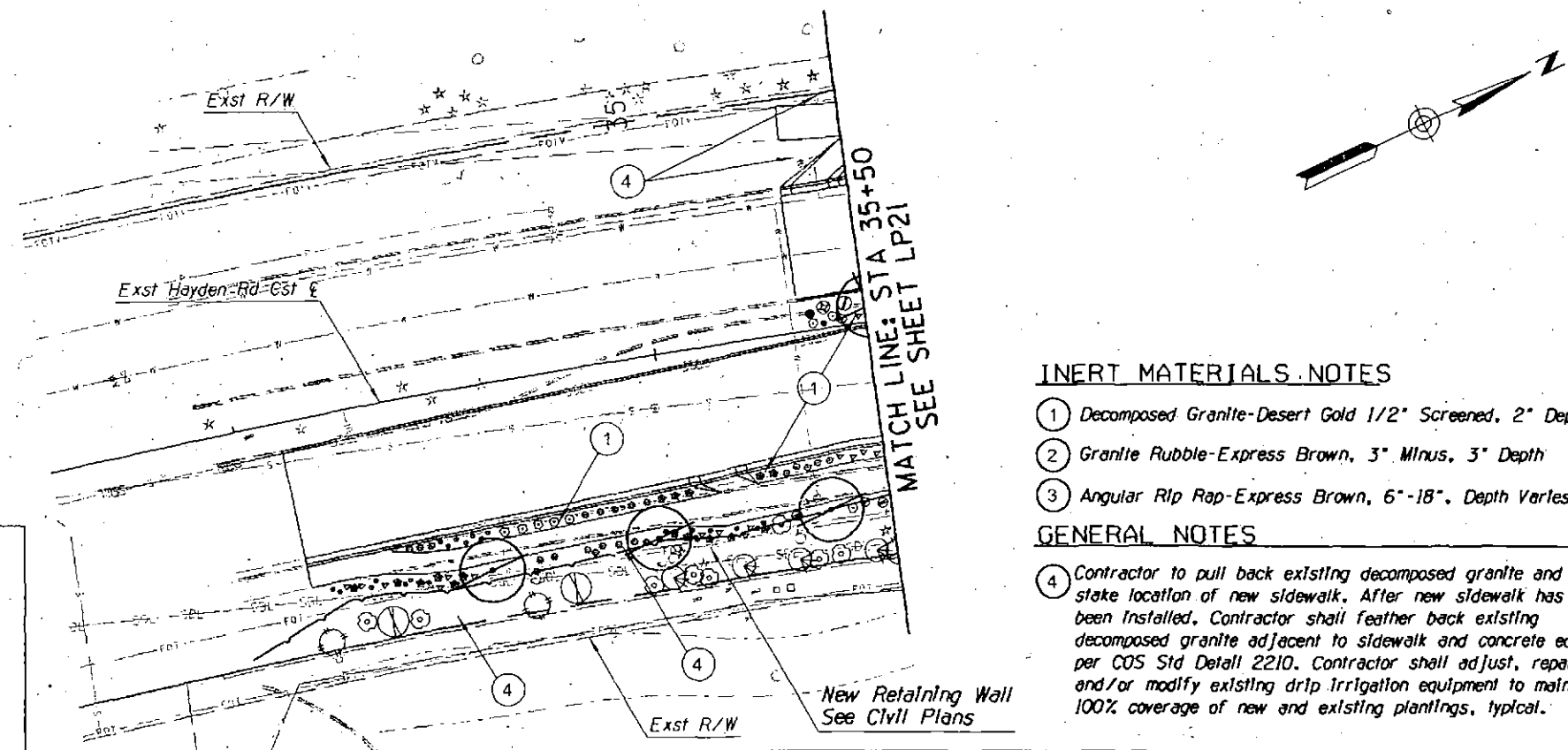
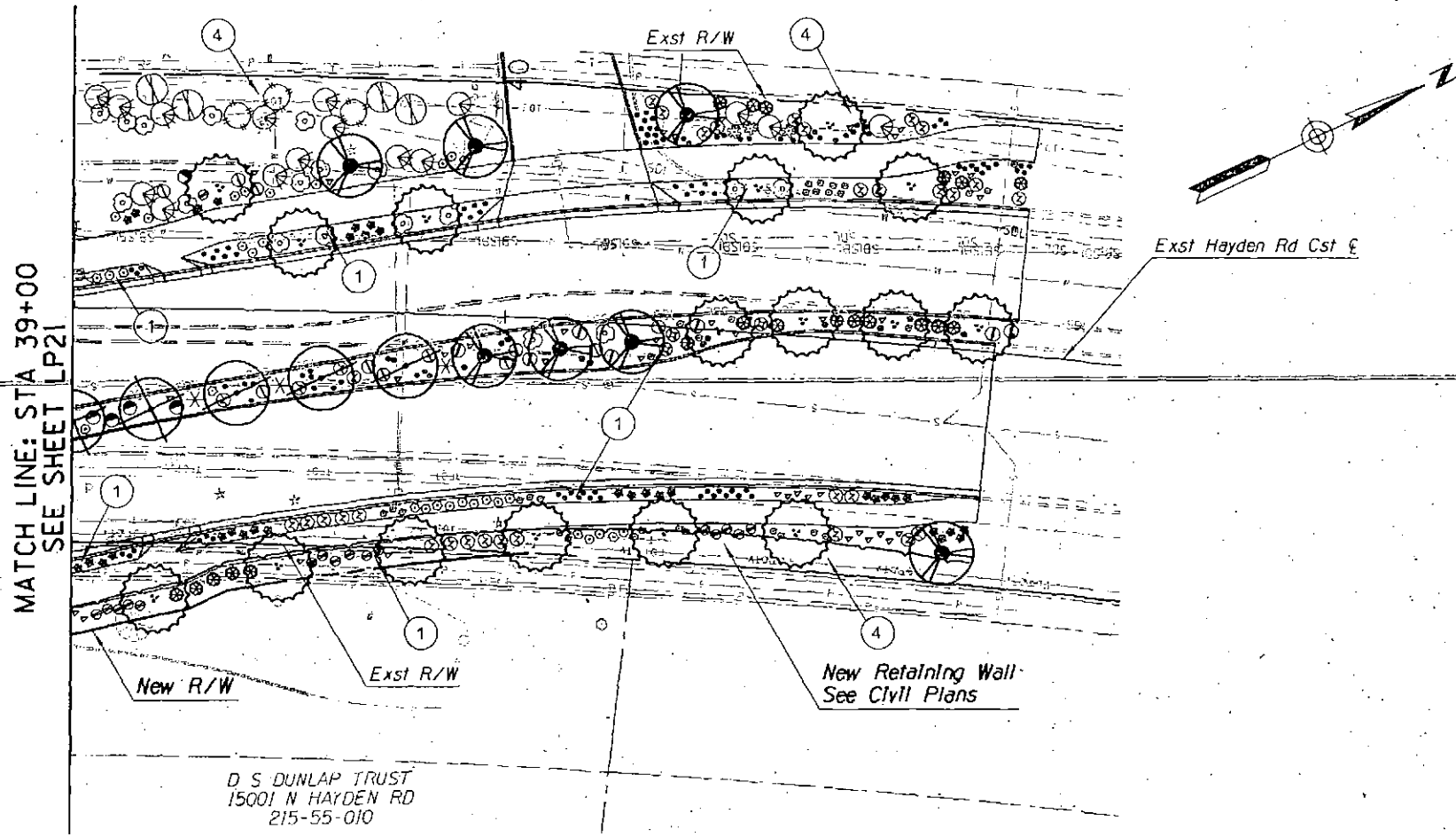
ENGINEER

PRELIMINARY		PUBLIC WORKS
30%		CAPITAL PROJECT MANAGEMENT
NOT FOR CONSTRUCTION OR RECORDING		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN NORTH & SOUTH HAYDEN ROAD**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP22
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	181 OF 297
	J2CAD		S1103	

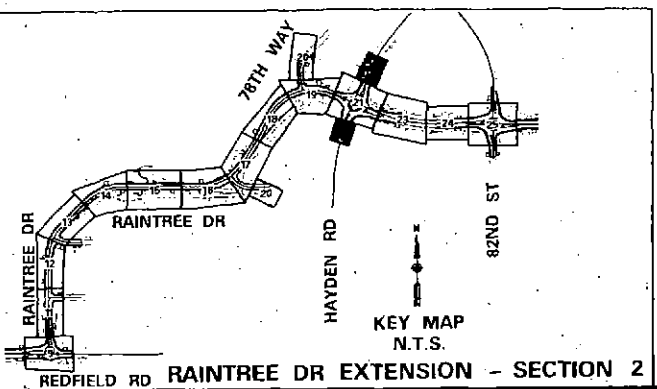


### INERT MATERIALS NOTES

- 1 Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- 2 Granite Rubble-Express Brown, 3" Minus, 3" Depth
- 3 Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

- 4 Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



**"LANDSCAPE PLANS TO BE UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
 CALL FOR WORKING DRAFTS BEFORE YOU BID  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (LANDSCAPE MATERIALS QUANTITY)

SCALE: 1"=20'  
 HORIZ. SCALE IN FEET





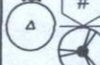




PLOT DATE: 6/17/2014 4:28:57 PM

DESIGN FILE: P:\120596\J2Cad\Sheet\Landscapes\cosi177\_LP23.dgn

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

-  *Acacia aneura*
-  *Caesalpinia cocalaco* 'Smoothie'
-  *Chitalpa tashkentensis* 'Pink Dawn'
-  *Olea europaea* 'Swan Hill'
-  *Olneya tesota* - Salvaged
-  *Olneya tesota*
-  *Sophora secundiflora* 'Silver Sierra'

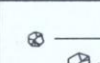



##### SHRUBS:

-  *Baileya multiradiata*
-  *Calliandra eriophylla*
-  *Callistemon citrinus* 'Little John'
-  *Convolvulus cneorum*
-  *Dalea capitata* 'Sierra Gold'
-  *Dalea greggii*
-  *Eremophila glabra* ssp. 'Winter Blaze'
-  *Larrea tridentata*
-  *Leucophyllum zygophyllum* 'Cimarron'
-  *Ruellia brittoniana* 'Rosa'
-  *Ruellia peninsularis*
-  *Senna covesii*
-  *Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

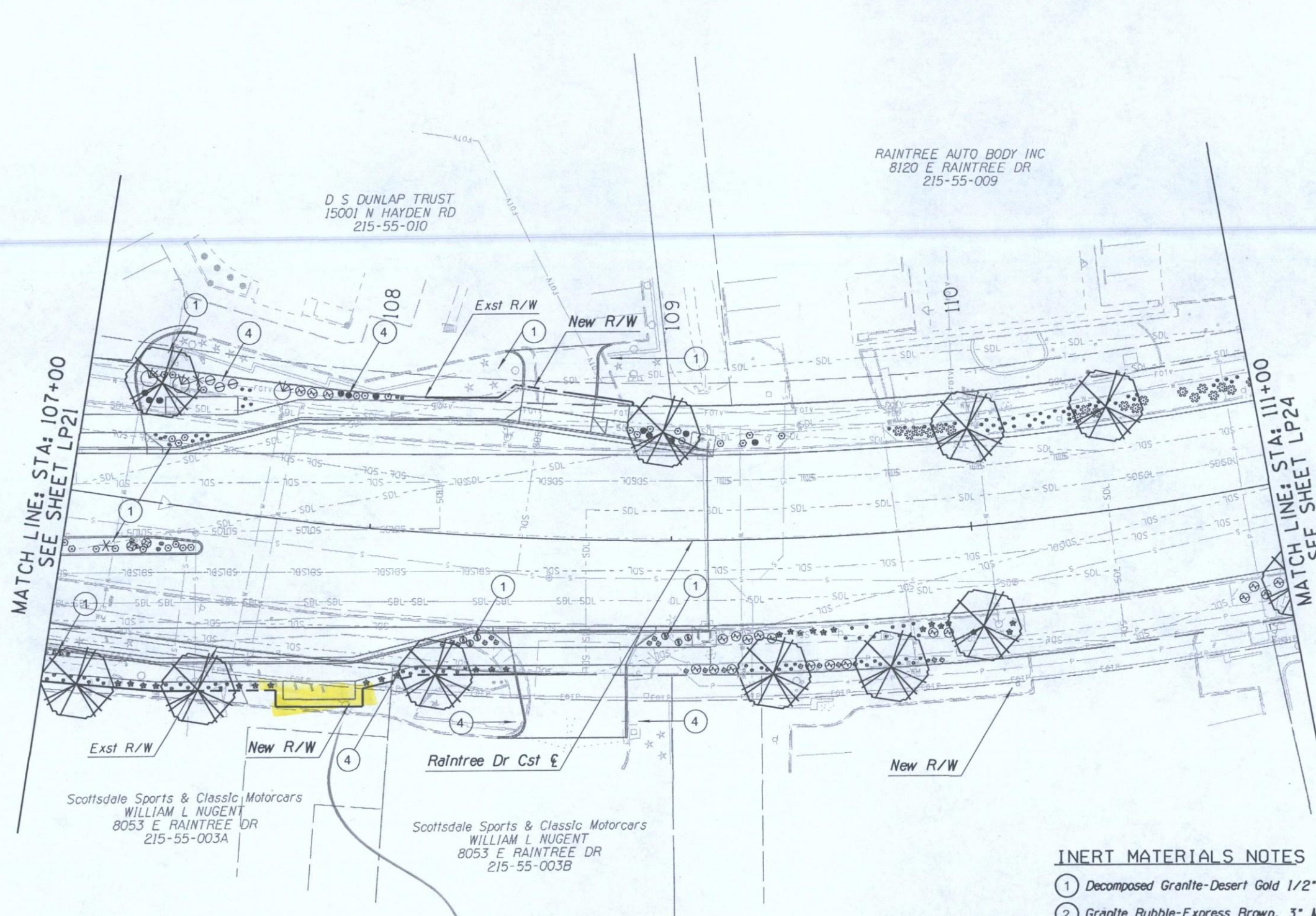
-  *Agave desmettiana*
-  *Agave havardiana*
-  *Agave parryi*
-  *Agave vilmoreniana*
-  *Aloe 'Blue Elf'*
-  *Carnegiea gigantea* - Salvaged
-  *Carnegiea gigantea*
-  *Dasyllirion wheeleri*
-  *Echinocactus grusonii*
-  *Euphorbia antisyphilitica*
-  *Fouquieria splendens* - Salvaged
-  *Fouquieria splendens*
-  *Hesperaloe parviflora* x 'Brakelights'
-  *Opuntia violacea* var. 'Santa Rita'
-  *Penstemon parryi*
-  *Penstemon superbus*
-  *Yucca pallida*
-  *Yucca recurvifolia*

##### BOULDERS

-  Salvaged & Relocated from On-Site
-  A - Small (2' x 2' x 2')
-  B - Medium (3' x 3' x 3')
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##### Notes:

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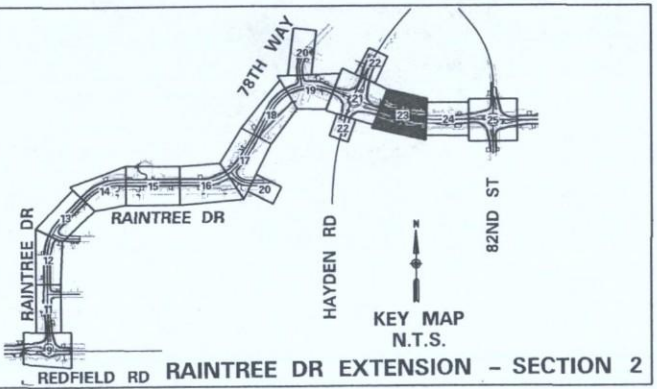
### INERT MATERIALS NOTES

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
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*BUS SHELTER?*




**"LANDSCAPE PLANS TO BE UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE YOU BID  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY

ENGINEER		PUBLIC WORKS
PRELIMINARY		CAPITAL PROJECT MANAGEMENT
30%		
NOT FOR CONSTRUCTION OR RECORDING		

SHEET TITLE		LANDSCAPE PLAN	
		RAINTREE DRIVE	
		STA 107+00 TO STA 111+00	
PROJECT TITLE		RAINTREE DRIVE EXTENSION	
		SCOTTSDALE ROAD TO SR 101B	
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	DRAWN	AS-BUILT	SHT. LP23
	J2CAD		PROJECT NO. S1103
			182 OF 297



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PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\J2Cad\Sheet\sc\landscape\cosi77\_LP24.dgn

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Oliveya tesota* - Salvaged
- Oliveya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Balleya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe* 'Blue Elf'
- Carneglea gigantea* - Salvaged
- Carneglea gigantea*
- Dasylirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
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- Penstemon superbus*
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- Yucca recurvifolia*

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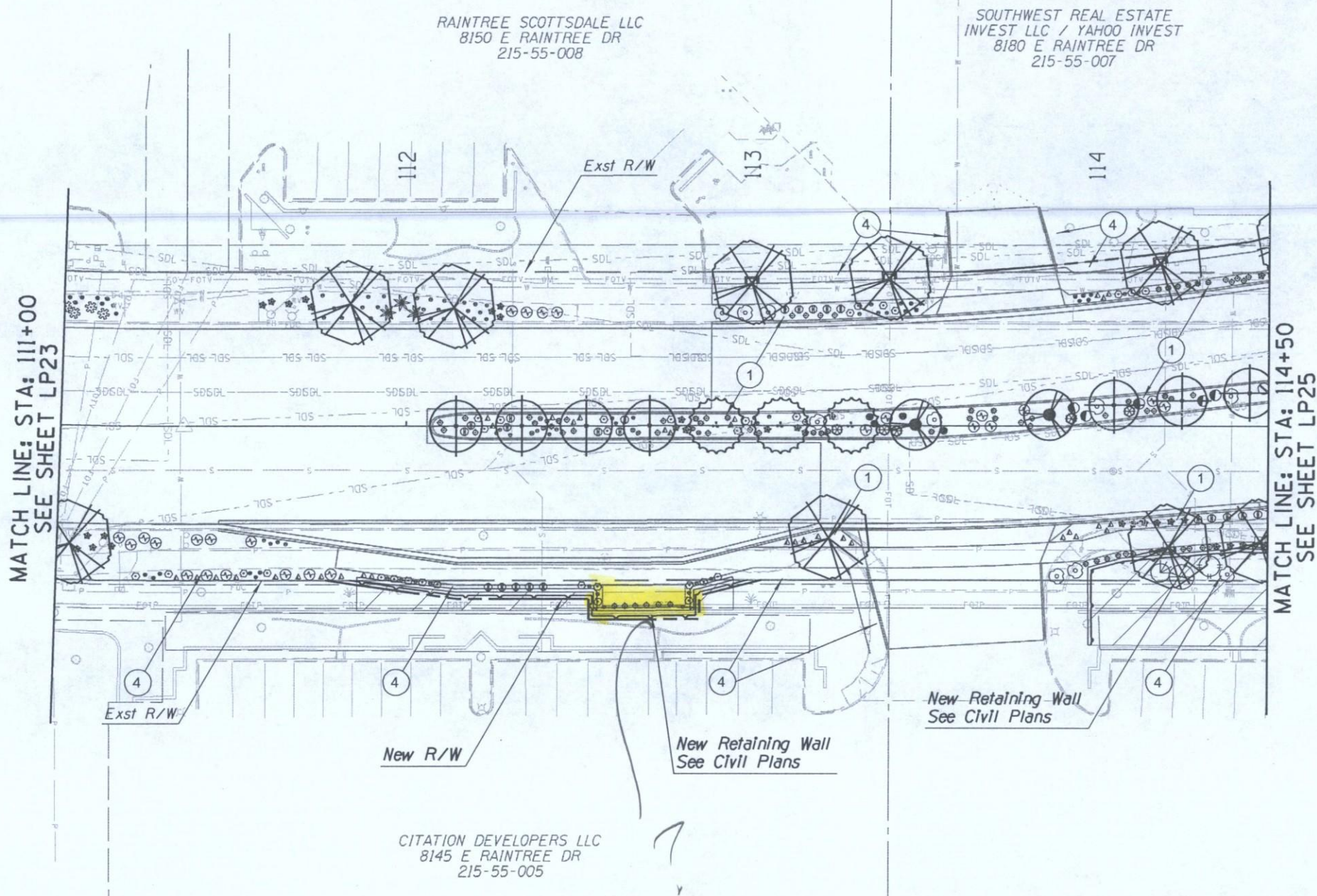
DATE REVISION BY

ENGINEER	PRELIMINARY		PUBLIC WORKS
30%	NOT FOR CONSTRUCTION OR RECORDING		CAPITAL PROJECT MANAGEMENT
SHEET TITLE		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	

LANDSCAPE PLAN  
RAINTREE DRIVE  
STA 111+00 TO STA 114+50

PROJECT TITLE  
RAINTREE DRIVE EXTENSION  
SCOTTSDALE ROAD TO SR 101L

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP24
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	183 OF 297
	J2CAD		S1103	

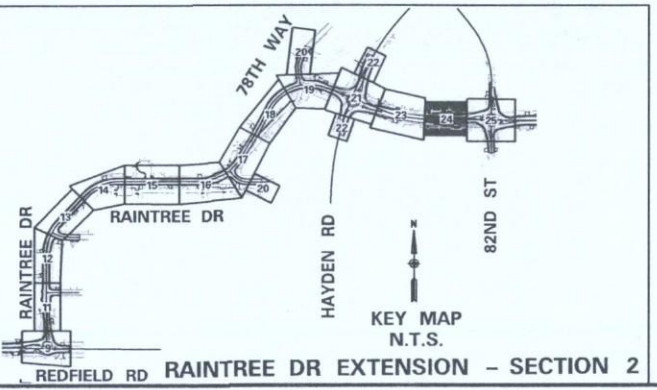


**INERT MATERIALS NOTES**

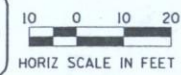
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

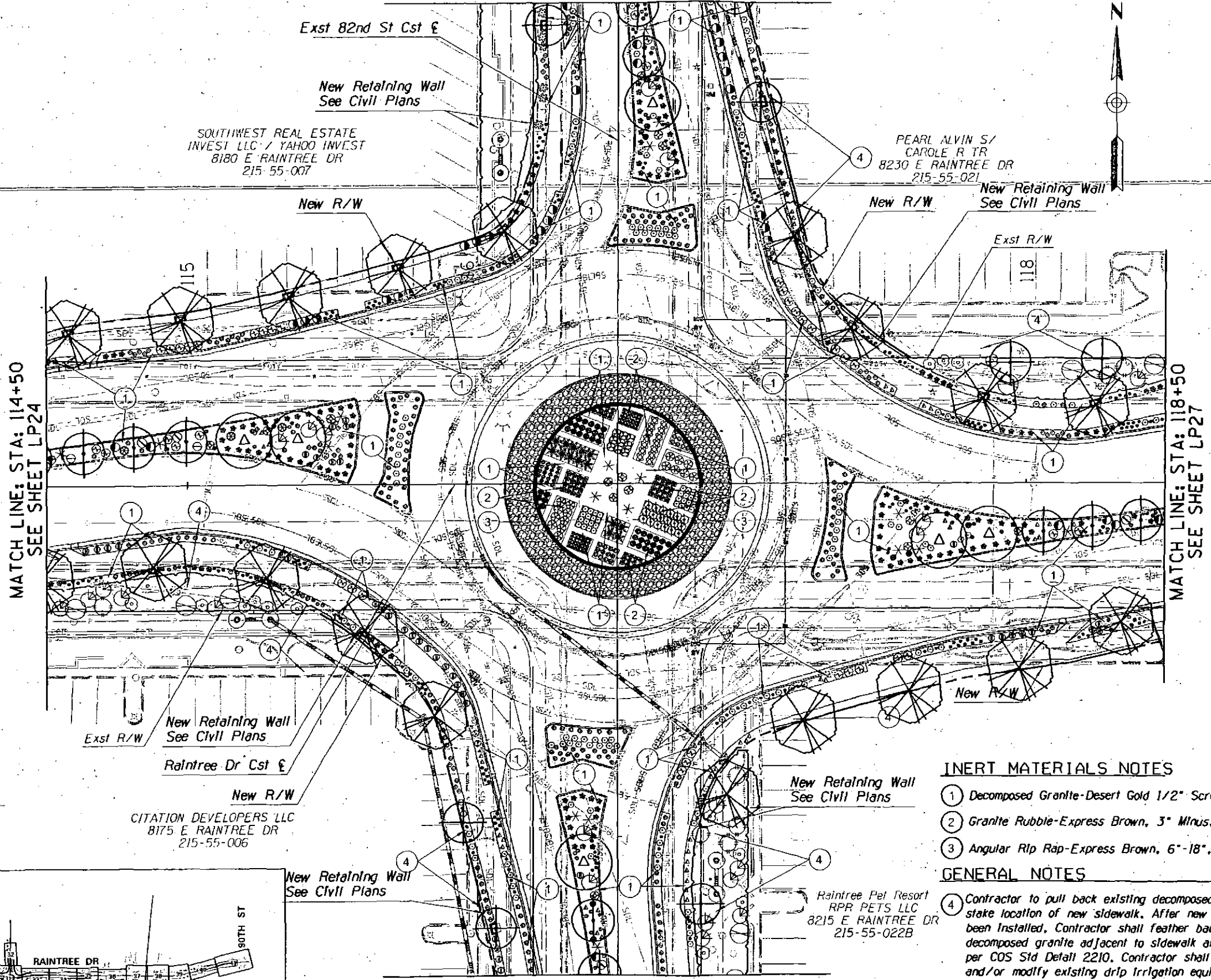


ARIZONA BLUE STAKE  
CALL TWO WORKING DAYS BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



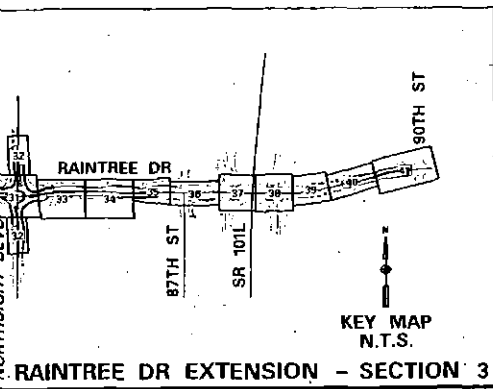


MATCH LINE: STA 11+00  
 SEE SHEET LP26 TOP VIEW



MATCH LINE: STA: 114+50  
 SEE SHEET LP24

MATCH LINE: STA: 118+50  
 SEE SHEET LP27



MATCH LINE: STA 14+50  
 SEE SHEET LP26 BOTTOM VIEW

PLANT SCHEDULE	
GENUS/SPECIES	
TREES:	
	<i>Acacla aneura</i>
	<i>Caesalpinia cacalaco</i> 'Smoothie'
	<i>Chitalpa tashkentensis</i> 'Pink Down'
	<i>Olea europaea</i> 'Swan Hill'
	<i>Olneya tesota</i> - Salvaged
	<i>Olneya tesota</i>
	<i>Sophora secundiflora</i> 'Silver Sierra'
SHRUBS:	
	<i>Balleya multiradlata</i>
	<i>Calliandra eriophylla</i>
	<i>Callistemon citrinus</i> 'Little John'
	<i>Convolvulus creorum</i>
	<i>Dalea capitata</i> 'Sierra Gold'
	<i>Dalea greggii</i>
	<i>Eremophila glabra</i> ssp. 'Winter Blaze'
	<i>Larrea tridentata</i>
	<i>Leucophyllum zygophyllum</i> 'Cimarron'
	<i>Ruellia brittoniana</i> 'Rosa'
	<i>Ruellia peninsularis</i>
	<i>Senna covesii</i>
	<i>Tecoma hybrid</i> 'Solar Flare'
ACCENTS/CACTI:	
	<i>Agave desmetiana</i>
	<i>Agave havardiana</i>
	<i>Agave parryi</i>
	<i>Agave vilmoriniana</i>
	<i>Aloe</i> 'Blue Elf'
	<i>Carnegiea gigantea</i> - Salvaged
	<i>Carnegiea gigantea</i>
	<i>Dasyllirion wheeleri</i>
	<i>Echinocactus grusonii</i>
	<i>Euphorbia antisyphilitica</i>
	<i>Fouquieria splendens</i> - Salvaged
	<i>Fouquieria splendens</i>
	<i>Hesperaloe parviflora</i> x 'Brakelights'
	<i>Opuntia violacea</i> var. 'Santa Rita'
	<i>Penstemon parryi</i>
	<i>Penstemon superbus</i>
	<i>Yucca pallida</i>
	<i>Yucca recurvifolia</i>

BOULDERS	
Salvaged & Relocated from On-Site	
	A - Small (2' x 2' x 2')
	B - Medium (3' x 3' x 3')
	C - Large (4' x 4' x 4')

Notes:  
 1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.  
 2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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DATE	REVISION	BY

ENGINEER	PUBLIC WORKS
PRELIMINARY	CAPITAL PROJECT MANAGEMENT
30%	
NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE			
LANDSCAPE PLAN RAINTREE DRIVE STA 114+50 TO STA 118+50			
PROJECT TITLE			
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L			
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. -	DRAWN	AS-BUILT	
	J2CAD		PROJECT NO. S1103
			SHT. LP25
			184 OF 297

ARIZONA BLUE STAKE  
 CALL THE MORNING DATE BEFORE YOU BID  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (LIMITS OR HAZARDOUS CONDITIONS)

10 0 10 20  
 HORIZ SCALE IN FEET

PLOT DATE: 6/17/2014

DESIGN FILE: P:\1205966\LP26.dwg



**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- *Acacia aneura*
- *Caesalpinia cocalaco* 'Smoothie'
- *Chitalpa tashkentensis* 'Pink Dawn'
- *Olea europaea* 'Swan Hill'
- *Olneya tesota* - Salvaged
- *Olneya tesota*
- *Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- *Baileya multiradiata*
- *Calliandra eriophylla*
- *Callistemon citrinus* 'Little John'
- *Convolvulus creorum*
- *Dalea capitata* 'Sierra Gold'
- *Dalea greggii*
- *Eremophila glabra* ssp. 'Winter Blaze'
- *Larrea tridentata*
- *Leucophyllum zygophyllum* 'Cimarron'
- *Ruellia brittoniana* 'Rosa'
- *Ruellia perinsularis*
- *Senna covesii*
- *Tecoma hybrid* 'Solar Flare'


ACCENTS/CACTI:

- *Agave desmettiana*
- *Agave havardiana*
- *Agave parryi*
- *Agave vilmoriniana*
- *Aloe 'Blue Elf'*
- *Carnegia gigantea* - Salvaged
- *Carnegia gigantea*
- *Dasyllirion wheeleri*
- *Echinocactus grusonii*
- *Euphorbia antisyphilitica*
- *Fouquieria splendens* - Salvaged
- *Fouquieria splendens*
- *Hesperaloe parviflora* x 'Brakeights'
- *Opuntia violacea* var. 'Santa Rita'
- *Penstemon parryi*
- *Penstemon superbus*
- *Yucca pallida*
- *Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

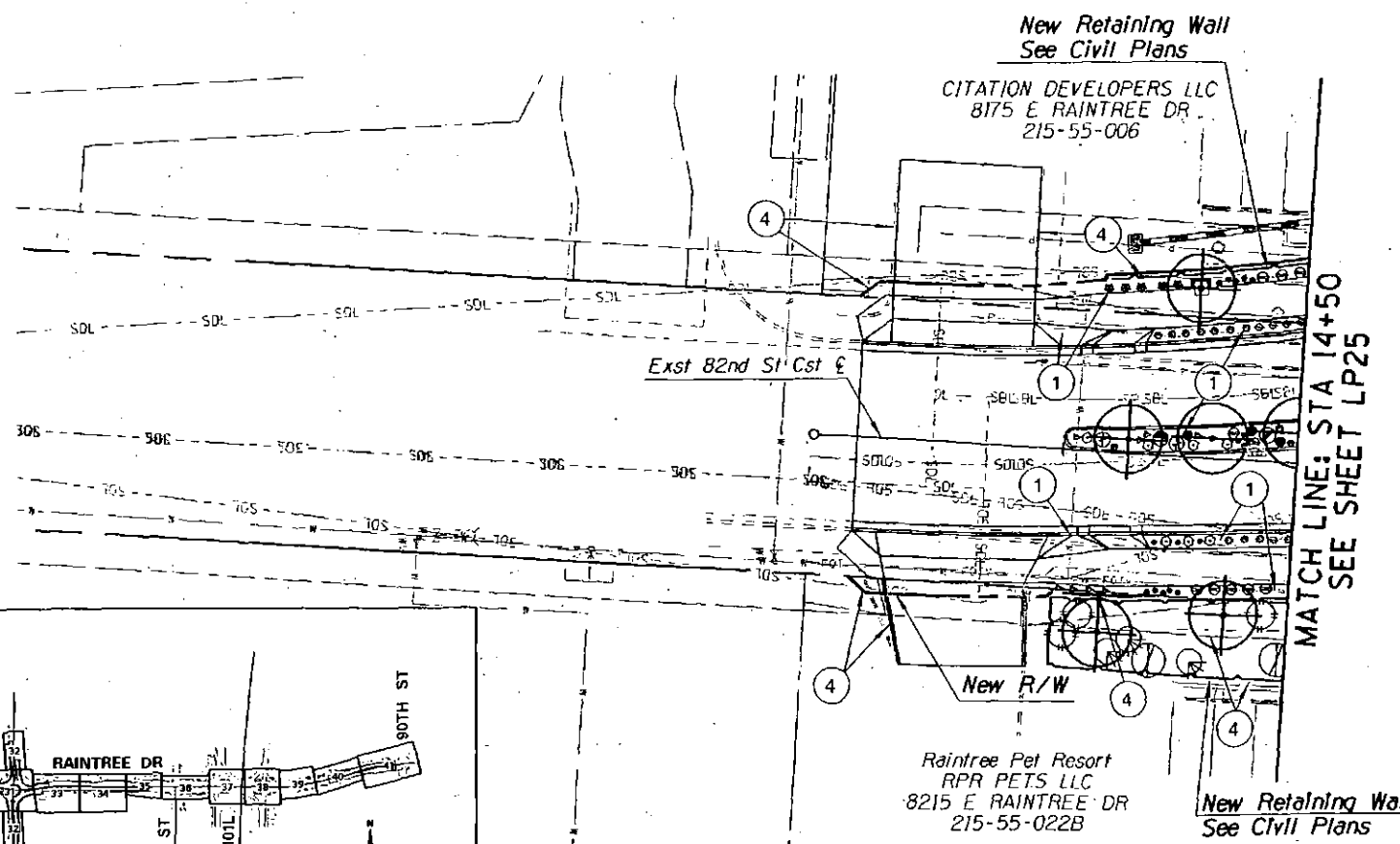
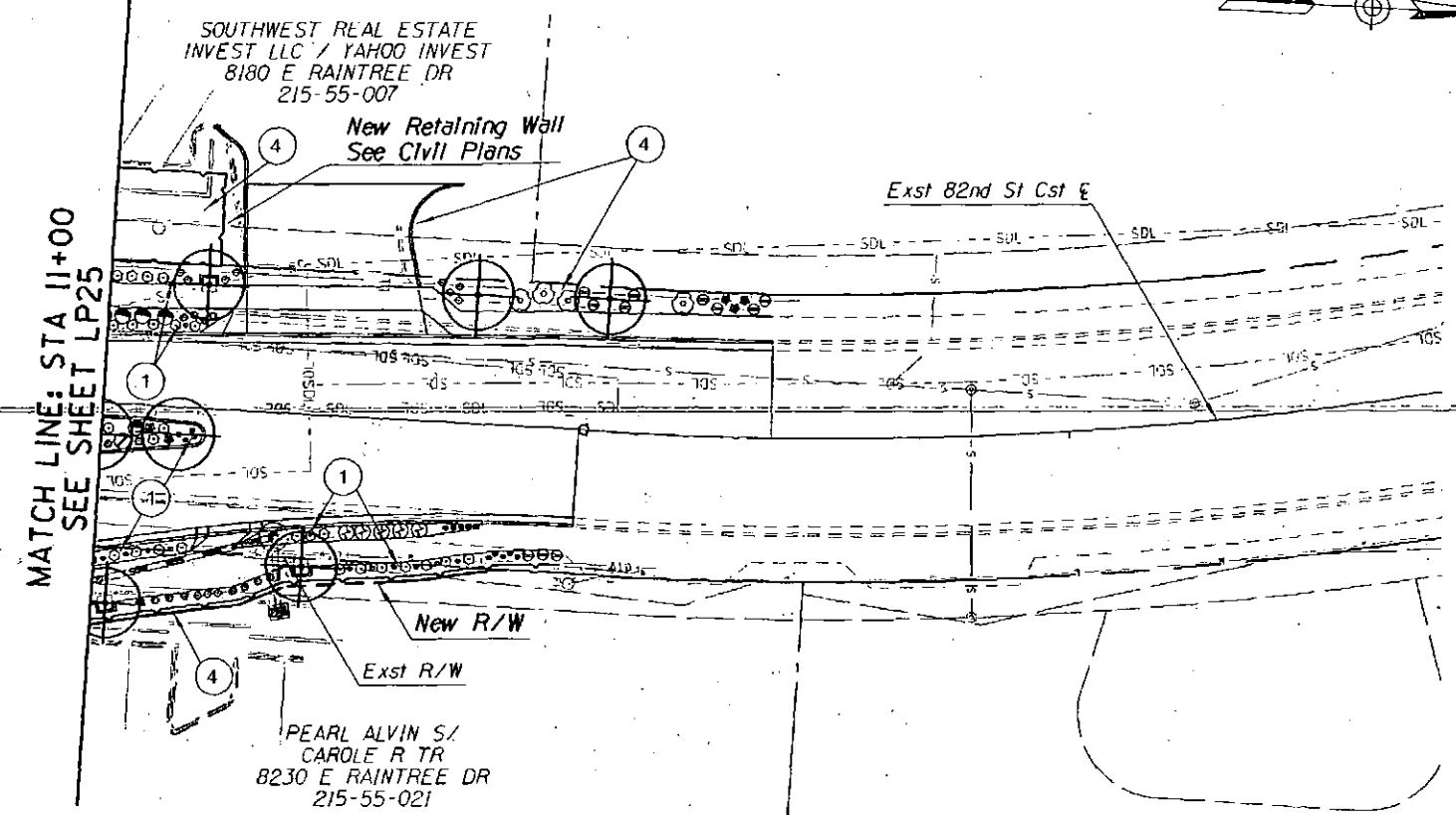
Notes:  
 1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.  
 2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b>
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		

**LANDSCAPE PLAN**  
**NORTH & SOUTH 82ND STREET**

**PROJECT TITLE**  
**RAINTREE DRIVE EXTENSION**  
**SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP26
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	
	J2CAD		51103	185 of 297

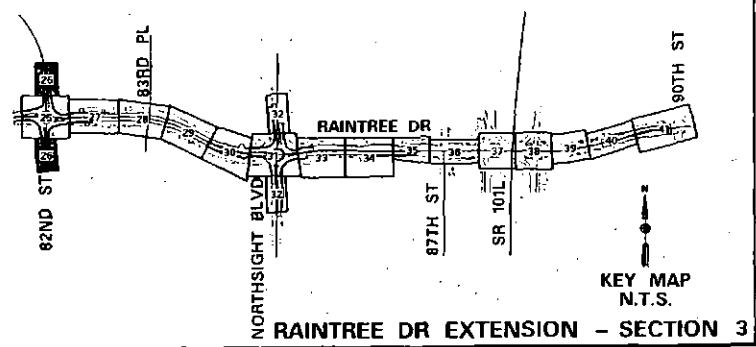


**INERT MATERIALS NOTES**

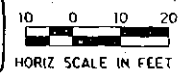
- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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**ARIZONA BLUE STAKE**  
 CALL TWO WORKING DAYS BEFORE 1:30 PM CDT  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (AVOID MAJOR COUNTY)



4:29:05 PM  
 PLOT DATE: 6/17/2014  
 DESIGN FILE: P:\120596\J2Cad\Sheet\st\Landsc\def\cos\177\_LP26.dgn



4:29:06 PM








PLOT DATE: 6/17/2014

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












### PLANT SCHEDULE

GENUS/SPECIES

TREES:

-  *Acacia aneura*
-  *Caesalpinia cacalaco* 'Smoothie'
-  *Chitalpa tashkentensis* 'Pink Dawn'
-  *Olea europaea* 'Swan Hill'
-  *Olneya tesota* - Salvaged
-  *Olneya tesota*
-  *Sophora secundiflora* 'Silver Sierra'




SHRUBS:

-  *Ballea multilobata*
-  *Callitandra eriophylla*
-  *Callistemon citrinus* 'Little John'
-  *Convolvulus cneorum*
-  *Dalea capitata* 'Sierra Gold'
-  *Dalea greggii*
-  *Eremophila glabra* ssp. 'Winter Blaze'
-  *Larrea tridentata*
-  *Leucophyllum zygophyllum* 'Cimarron'
-  *Ruellia brittoniana* 'Rosa'
-  *Ruellia peninsularis*
-  *Senna covesii*
-  *Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

-  *Agave desmettiana*
-  *Agave havardiana*
-  *Agave parryi*
-  *Agave vilmoriniana*
-  *Aloe 'Blue Elf'*
-  *Carnegia gigantea* - Salvaged
-  *Carnegia gigantea*
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-  *Echinocactus grusonii*
-  *Euphorbia antisyphilitica*
-  *Fouquieria splendens* - Salvaged
-  *Fouquieria splendens*
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-  *Opuntia violacea* var. 'Santa Rita'
-  *Penstemon parryi*
-  *Penstemon superbus*
-  *Yucca pallida*
-  *Yucca recurvifolia*


BOULDERS

- Salvaged & Relocated from On-Site
-  A - Small (2' x 2' x 2')
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-  C - Large (4' x 4' x 4')

Notes:

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DATE REVISION BY

ENGINEER	PRELIMINARY		PUBLIC WORKS
30%	NOT FOR CONSTRUCTION OR RECORDING		CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251			

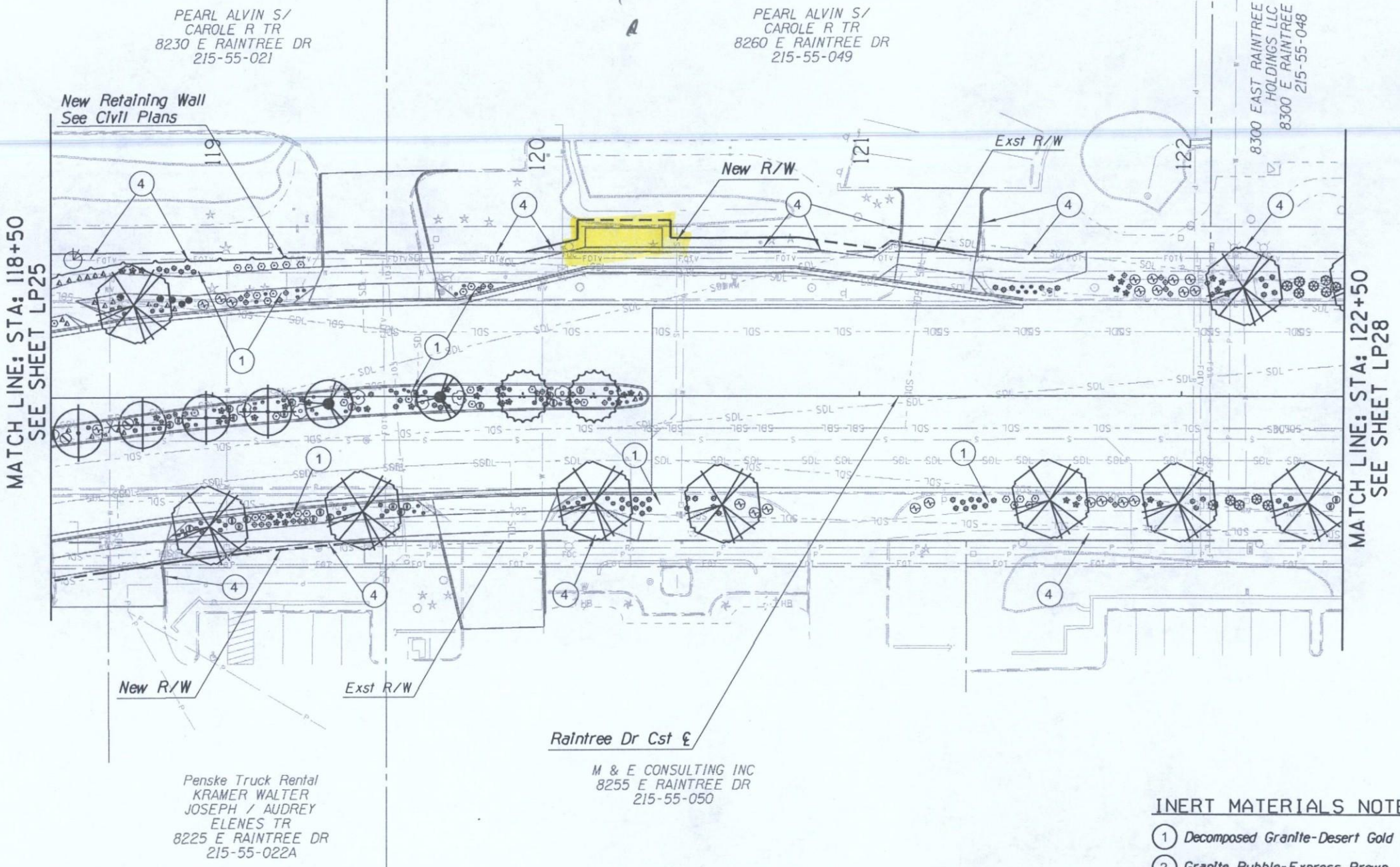
SHEET TITLE

LANDSCAPE PLAN  
RAINTREE DRIVE  
STA 118+50 TO STA 122+50

PROJECT TITLE

RAINTREE DRIVE EXTENSION  
SCOTTSDALE ROAD TO SR 101L

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP27
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	186 of 297
	J2CAD		SI103	

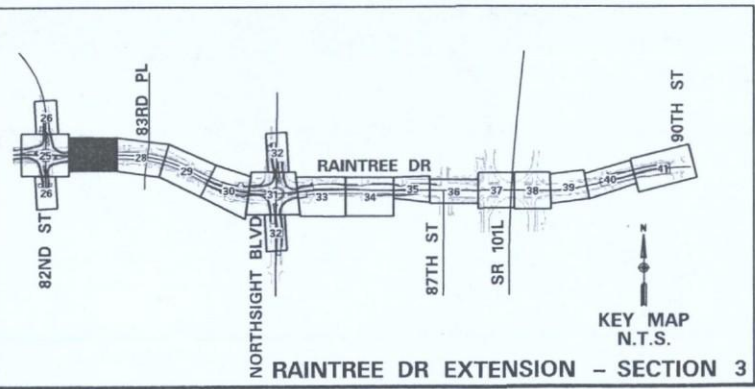


### INERT MATERIALS NOTES

- 1 Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- 2 Granite Rubble-Express Brown, 3" Minus, 3" Depth
- 3 Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

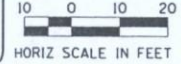
- 4 Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



KEY MAP  
N.T.S.

RAINTREE DR EXTENSION - SECTION 3

**ARIZONA BLUE STAKE**  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)





4:29:09 PM

PL01 DATE: 6/17/2014

DESIGN FILE: P:\120596\J2Cad\Sheets\Landscapes\cosi177\_LP28.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B7  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

##### SHRUBS:

- Balleya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

##### BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

##### Notes:

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2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

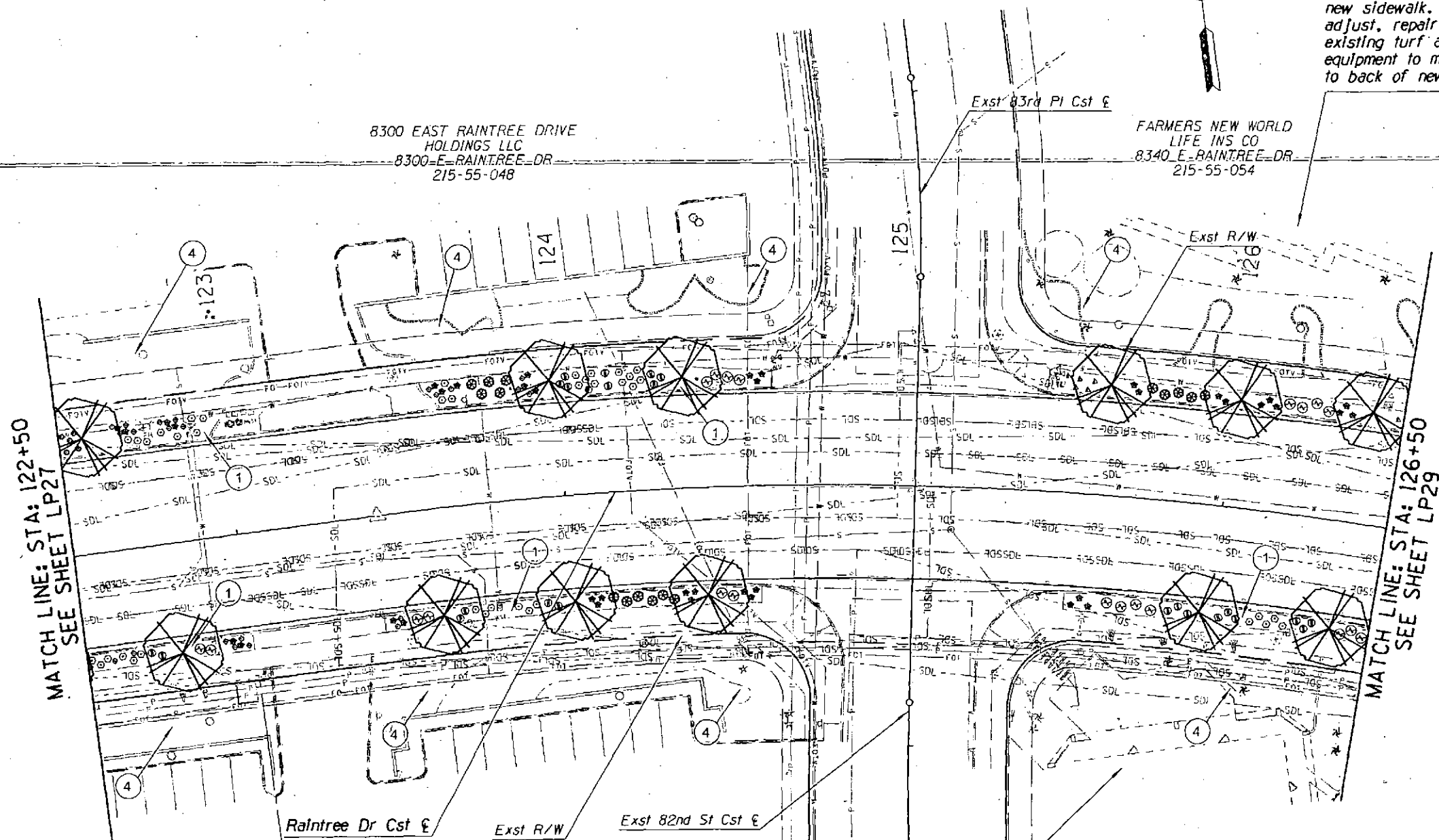
DATE	REVISION	BY

ENGINEER		PUBLIC WORKS
PRELIMINARY		CAPITAL PROJECT MANAGEMENT
30%		
NOT FOR CONSTRUCTION OR RECORDING		

SHEET TITLE: **LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
STA 122+50 TO STA 126+50

PROJECT TITLE	<b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/DD	06/14	
VERT. 1"=20'	DRAWN	AS-BUILT	PROJECT NO.
	J2CAD		S1103
			SHT.
			187 of 297

Contractor shall stake location of new sidewalk. Contractor shall then adjust, repair, and/or modify existing turf and turf irrigation equipment to maintain 100% coverage to back of new sidewalk, typical.



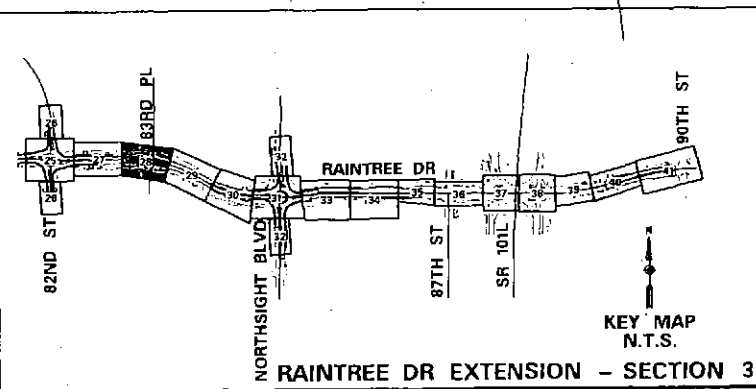
### INERT MATERIALS NOTES

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

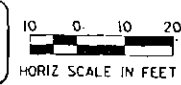
### GENERAL NOTES

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ARIZONA BLUE STAKE  
CALL FOR WORKING DRAFTS BEFORE YOU BID  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)





4:29:11 PM

PLT DATE: 6/17/2014

DESIGN FILE: P:\120596\J2CAD\Sheet\1.Landscape\cos\171.LP29.dgn

**J2** Engineering and Environmental Design  
 4549 East Cotton Gin Loop, Suite B2  
 Phoenix, Arizona 85040  
 Phone: 602-438-2221  
 www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chilopsis tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
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##### SHRUBS:

- Balilea multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
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- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

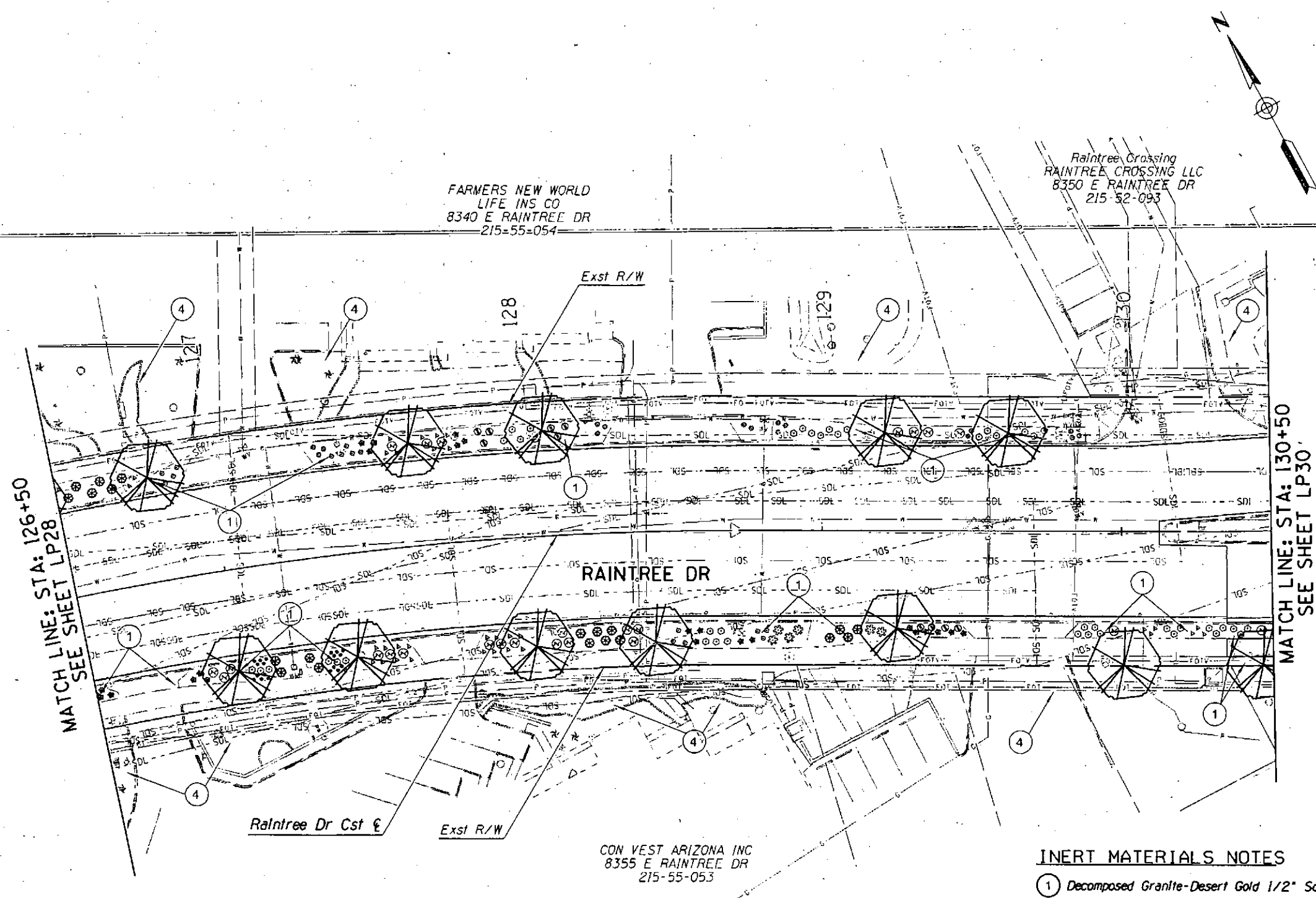
##### ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegia gigantea* - Salvaged
- Carnegia gigantea*
- Dasylistron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
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- Opuntia violacea* var. 'Santa Rita'
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- Yucca recurvifolia*

##### BOULDERS

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MATCH LINE: STA: 126+50  
SEE SHEET LP28

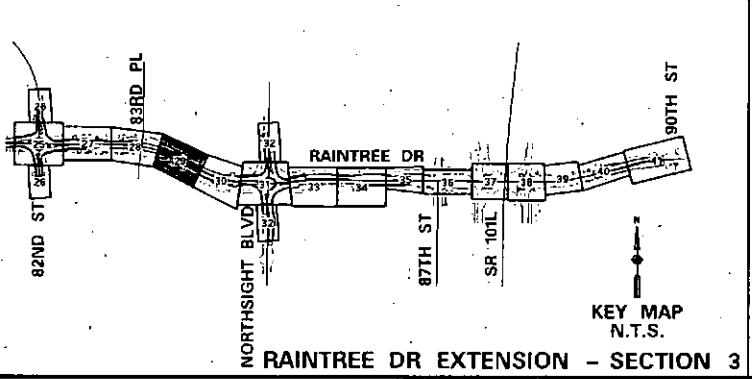
MATCH LINE: STA: 130+50  
SEE SHEET LP30

### INERT MATERIALS NOTES

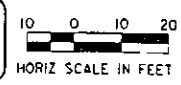
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



ARIZONA BLUE STAKE  
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 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	30%	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
LANDSCAPE PLAN RAINTREE DRIVE STA 126+50 TO STA 130+50		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
	PROJECT NO.	SHT.
	S1103	188 OF 297



DESIGN FILE: P:\1205966\J2Cad\Sheet\Landscapes\LP30.dgn PLOT DATE: 6/17/2014 4:29:13 PM

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Balleya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

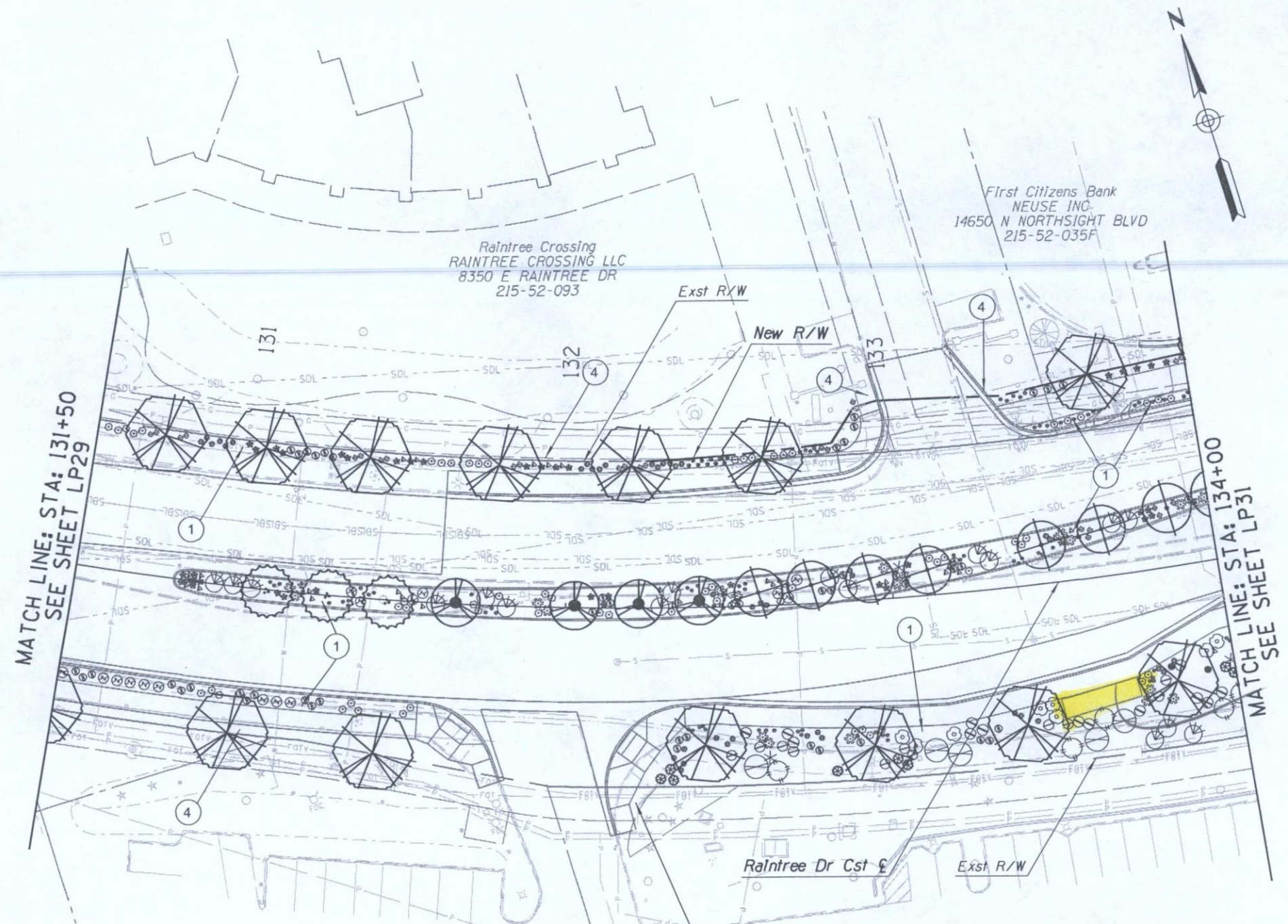
- Agave desmetiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:

1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
2. Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.



MATCH LINE: STA: 131+50  
SEE SHEET LP29

MATCH LINE: STA: 134+00  
SEE SHEET LP31

La Petite Academy  
 DER ENTERPRISES  
 LIMITED PARTNERSHIP  
 8433 E RAIN TREE DR  
 215-53-007A

First Citizens Bank  
 NEUSE INC.  
 14650 N NORTHSIGHT BLVD  
 215-52-035F

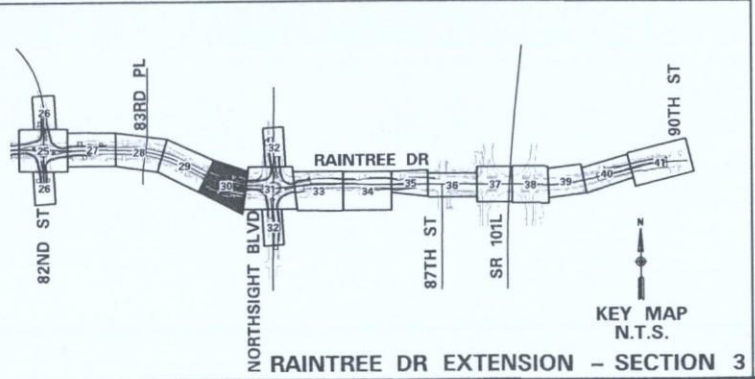
**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

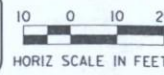
**GENERAL NOTES**

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**"LANDSCAPE PLANS TO BE  
 UPDATED DURING FINAL DESIGN"**



ARIZONA BLUE STAKE  
 CALL THE WORKING DAYS BEFORE YOU DIB  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER PRELIMINARY <b>30%</b> NOT FOR CONSTRUCTION OR RECORDING		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
<b>LANDSCAPE PLAN            RAIN TREE DRIVE            STA 131+50 TO STA 134+00</b>		
<b>PROJECT TITLE            RAIN TREE DRIVE EXTENSION            SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. -	DESIGNED RC/DD J2CAD	DATE 06/14 AS-BUILT
BID NO.	PROJECT NO. S1103	SHT. LP30 189 of 297



**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Baileya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus cneorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasyllirion wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

BOULDERS

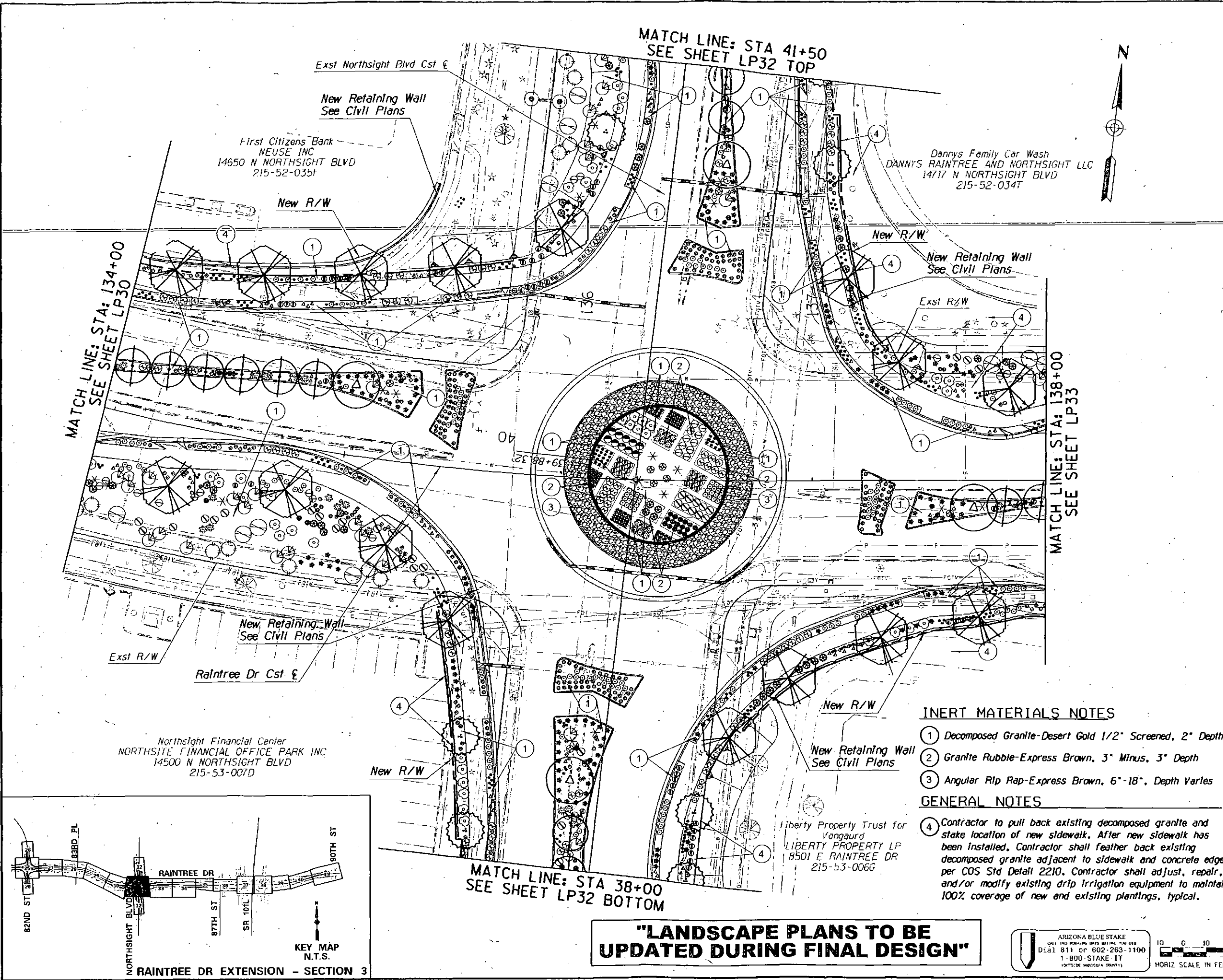
- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:  
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DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN RAINTREE DRIVE STA 134+00 TO STA 138+00**

PROJECT TITLE	RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L
SCALE	DESIGNED RC/DD DATE 06/14 BID NO. SWT LP31
HORIZ. 1"=20'	DRAWN J2CAD AS-BUILT PROJECT NO. S1103
VERT. -	190' of 297'



**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

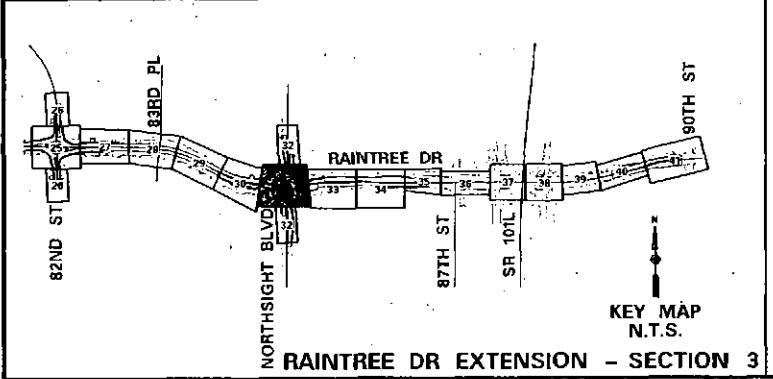
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**"LANDSCAPE PLANS TO BE UPDATED DURING FINAL DESIGN"**

ARIZONA BLUE STAKE  
 CALL THE DESIGNER BEFORE THE TIME OF THE  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (UNITS: DE METRIC CONVERSION)

10 0 10 20  
 HORIZ SCALE IN FEET



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 PLOT DATE: 6/17/2014  
 DESIGN FILE: P:\20596\J2CAD\Sheet\CLandscape\sheet\LP31.dwg



4:29:18 PM

PLOT DATE: 6/11/2014

DESIGN FILE: P:\1205966\J2cad\Sheets\Landscapes\LP32.dgn

**J2** Engineering and Environmental Design  
 4649 East Cotton Gin Loop, Suite B2  
 Phoenix, Arizona 85040  
 Phone: 602-438-2221  
 www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES	
<b>TREES:</b>	
	<i>Acacia aneura</i>
	<i>Caesalpinia cocalaco</i> 'Smoothie'
	<i>Chitalpa tashkentensis</i> 'Pink Dawn'
	<i>Olea europaea</i> 'Swan Hill'
	<i>Olneya tesota</i> - Salvaged
	<i>Olneya tesota</i>
	<i>Sophora secundiflora</i> 'Silver Sierra'
<b>SHRUBS:</b>	
	<i>Balleya multiradiata</i>
	<i>Calliandra eriophylla</i>
	<i>Callistemon citrinus</i> 'Little John'
	<i>Convolvulus creorum</i>
	<i>Dalea capitata</i> 'Sierra Gold'
	<i>Dalea greggii</i>
	<i>Eremophila glabra</i> ssp. 'Winter Blaze'
	<i>Larrea tridentata</i>
	<i>Leucophyllum zygophyllum</i> 'Cimarron'
	<i>Ruellia brittoniana</i> 'Rosa'
	<i>Ruellia peninsularis</i>
	<i>Senna covesii</i>
	<i>Tecoma hybrid</i> 'Solar Flare'
<b>ACCENTS/CACTI:</b>	
	<i>Agave desmettiana</i>
	<i>Agave havardiana</i>
	<i>Agave parryi</i>
	<i>Agave yllmoriniana</i>
	<i>Aloe 'Blue Elf'</i>
	<i>Carneglea gigantea</i> - Salvaged
	<i>Carneglea gigantea</i>
	<i>Dasyllirion wheeleri</i>
	<i>Echinocactus grusonii</i>
	<i>Euphorbia antisyphilitica</i>
	<i>Fouquieria splendens</i> - Salvaged
	<i>Fouquieria splendens</i>
	<i>Hesperaloe parviflora</i> x 'Brakelights'
	<i>Opuntia violacea</i> var. 'Santa Rita'
	<i>Penstemon parryi</i>
	<i>Penstemon superbus</i>
	<i>Yucca pallida</i>
	<i>Yucca recurvifolia</i>

**BOULDERS**

Salvaged & Relocated from On-Site

- A - Small (2'x2'x2')
- B - Medium (3'x3'x3')
- C - Large (4'x4'x4')

**Notes:**

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DATE	REVISION	BY

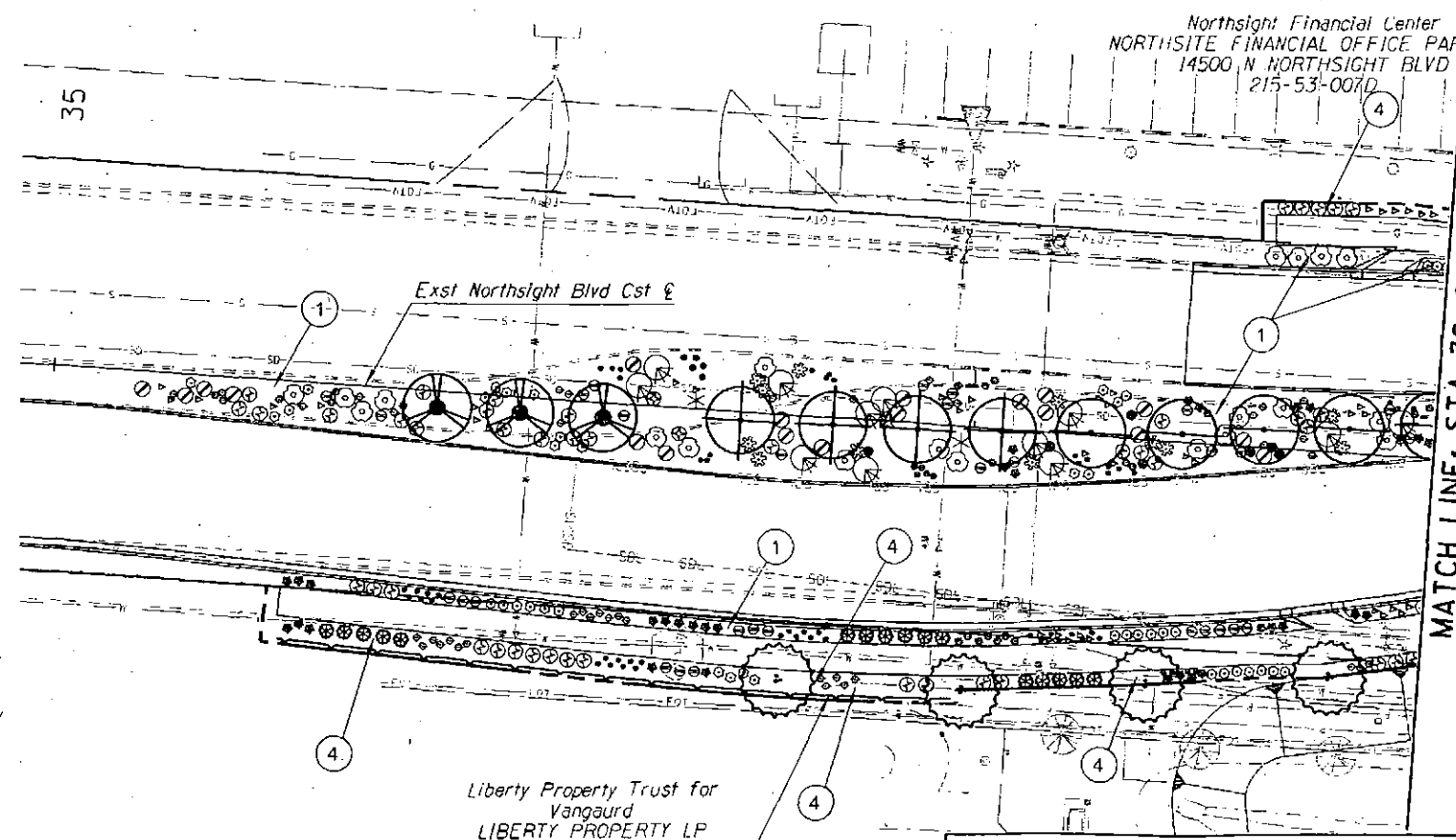
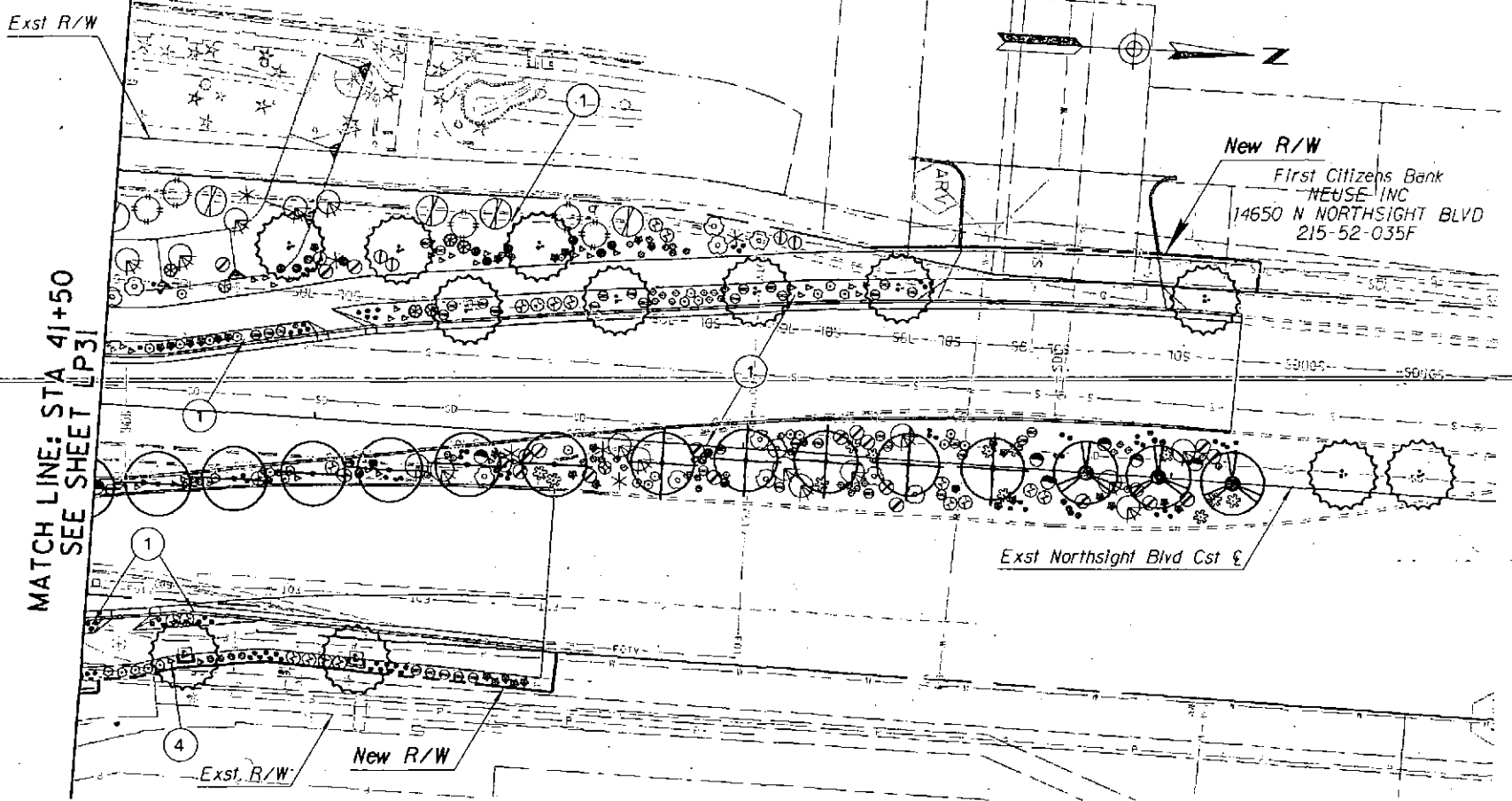
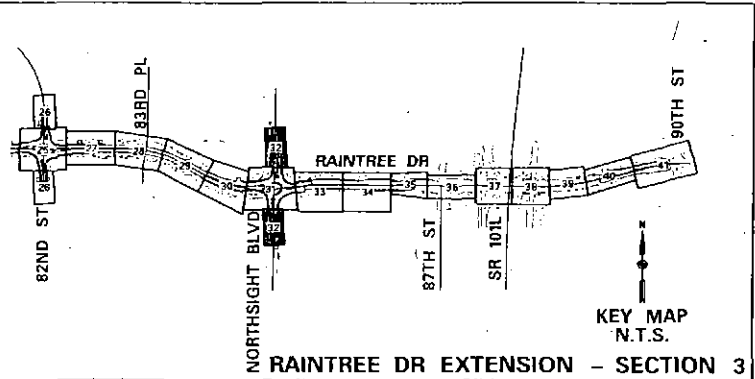
ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**CITY OF SCOTTSDALE**  
 PUBLIC WORKS  
 CAPITAL PROJECT MANAGEMENT  
 1441 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN NORTH & SOUTH NORTHSIGHT BOULEVARD**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/DD	06/14		LP32
VERT. -	J2CAD	AS-BUILT	PROJECT NO. S1103	191 of 297



**INERT MATERIALS NOTES**

- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

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 CALL TWO WORKING DAYS BEFORE YOU GO  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

SCALE: 1"=20'  
 HORIZ SCALE IN FEET



PLOT DATE: 6/17/2014 4:29:20 PM

DESIGN FILE: P:\1205966\J2CAD\SheetSet\Landscapes\LP33.dgn



**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Baileya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia penlandensis*
- Senna covellii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

- Agave desmetianus*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasylistron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisiphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2'x2'x2')
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- C - Large (4'x4'x4')

Notes:

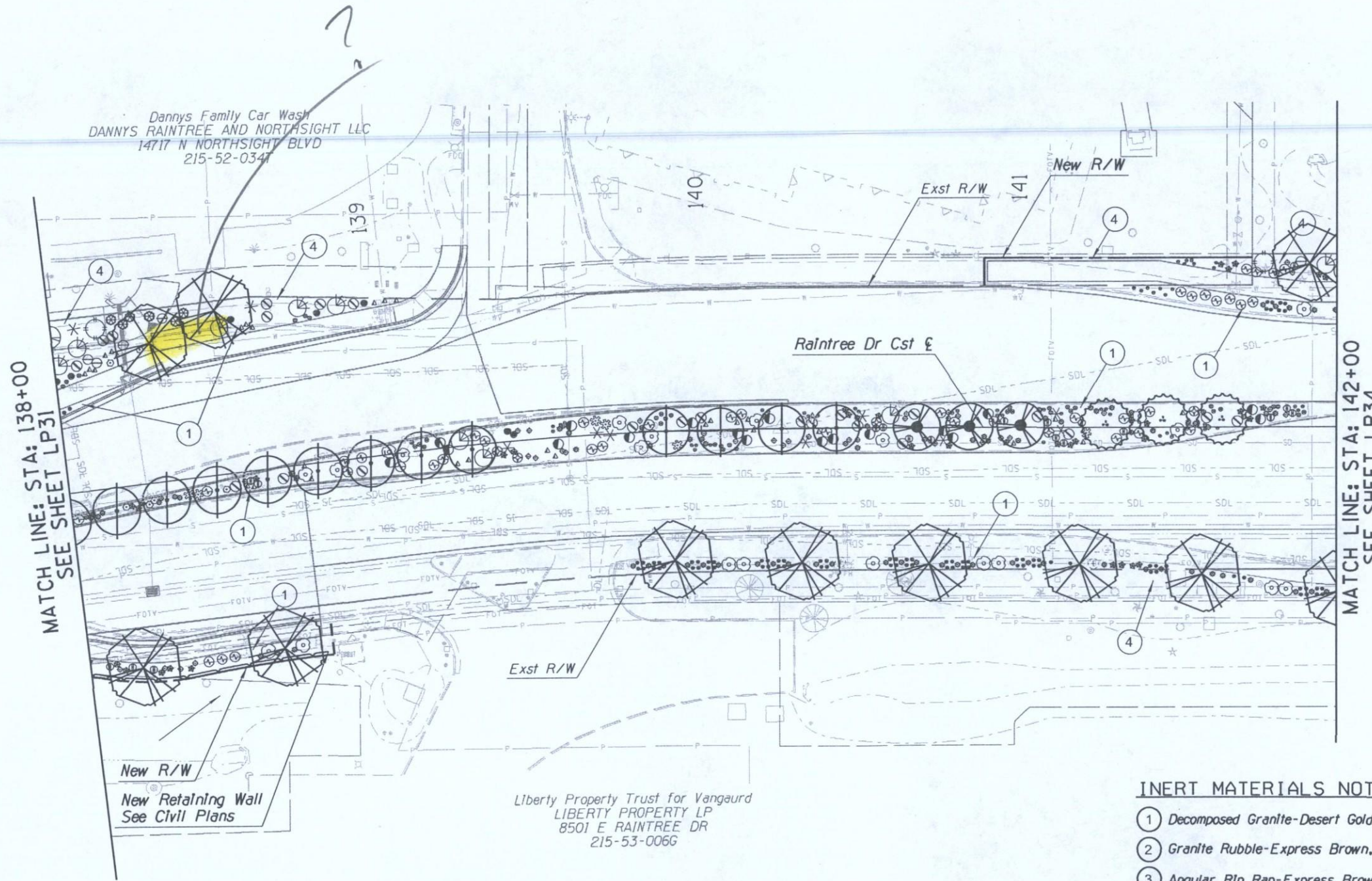
1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
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DATE	REVISION	BY

ENGINEER	PRELIMINARY	<b>30%</b>	CITY OF SCOTTSDALE PUBLIC WORKS
	NOT FOR CONSTRUCTION OR RECORDING		CAPITAL PROJECT MANAGEMENT
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251			

SHEET TITLE  
**LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 138+00 TO STA 142+00**

PROJECT TITLE	RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED RC/DD	DATE 05/14	BID NO.
HORIZ. 1"=20'		AS-BUILT	SHT. LP33
VERT. -	DRAWN J2CAD	PROJECT NO. S1103	192 of 297



Dannys Family Car Wash  
 DANNYS RAINTREE AND NORTHSIGHT LLC  
 14717 N NORTHSIGHT BLVD  
 215-52-0347

Liberty Property Trust for Vanguard  
 LIBERTY PROPERTY LP  
 8501 E RAINTREE DR  
 215-53-0066

**INERT MATERIALS NOTES**

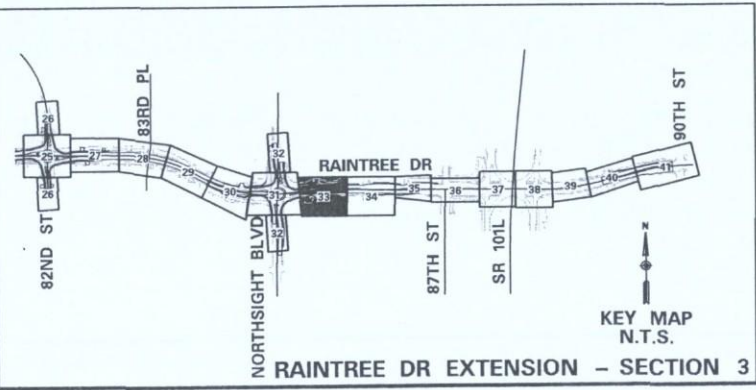
- 1 Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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KEY MAP  
 N.T.S.

RAINTREE DR EXTENSION - SECTION 3



4/29/22 PM

PL01 DATE: 6/17/2014

DESIGN FILE: P:\61205963\JPCad\Shee-s\Landscap\pof\cosi\71\_P34.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-436-2221  
www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chilopsis tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
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##### SHRUBS:

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- Convolvulus creorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia perinsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

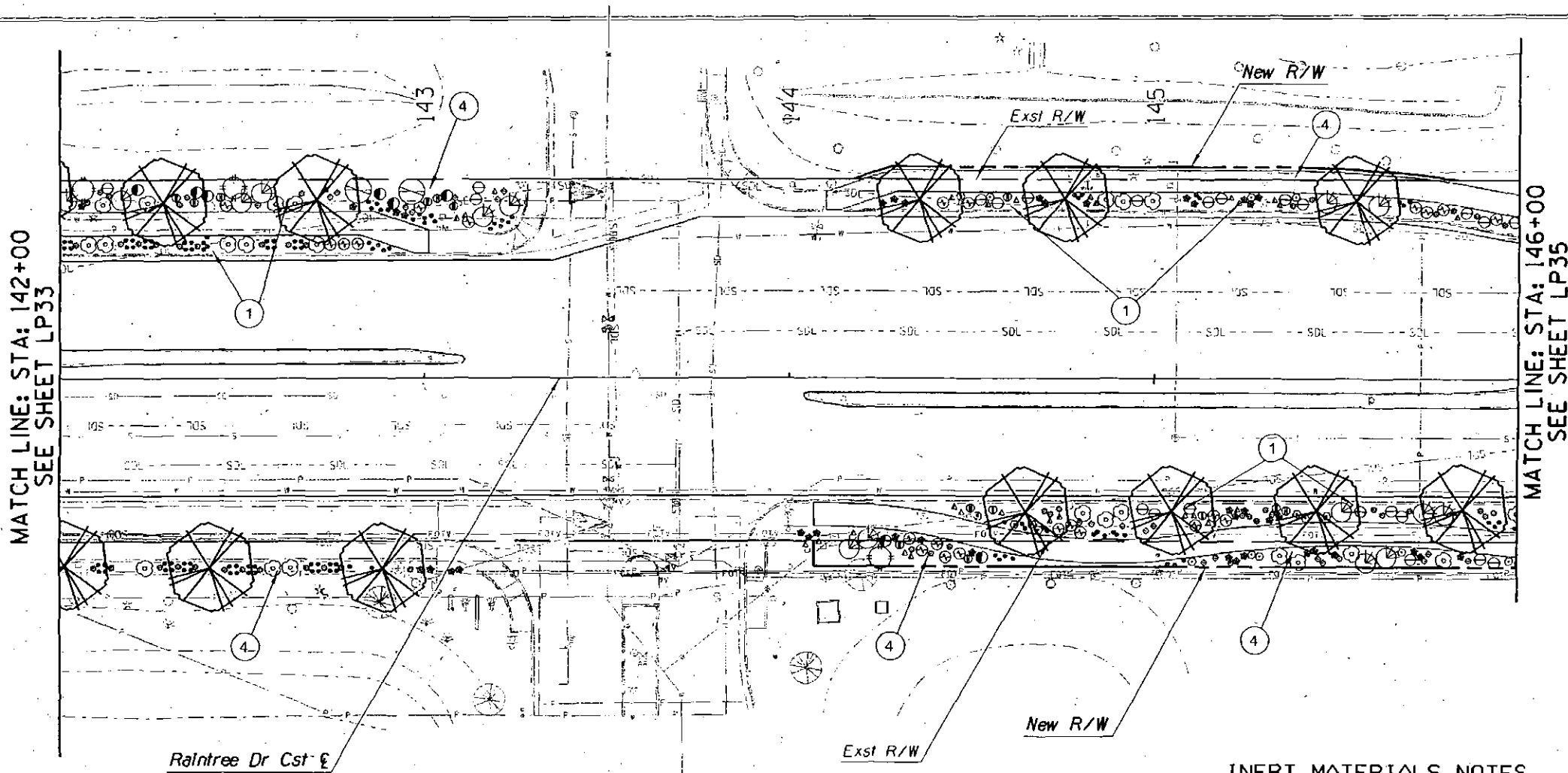
- Agave desmettiana*
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- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
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- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

##### BOULDERS

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MATCH LINE: STA: 142+00  
SEE SHEET LP33

MATCH LINE: STA: 146+00  
SEE SHEET LP35

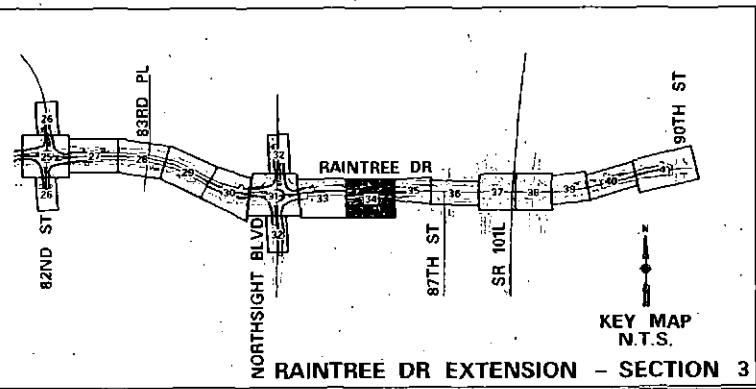
Liberty Property Trust for Vanguard  
LIBERTY PROPERTY LP  
8501 E RAIN TREE DR  
215-53-0066

### INERT MATERIALS NOTES

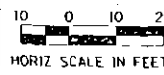
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1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
NOT FOR CONSTRUCTION OR RECORDING	PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
SHEET TITLE <b>LANDSCAPE PLAN RAINTREE DRIVE STA 142+00 TO STA 146+00</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20'	DESIGNED RC/DD	DATE 06/14
VERT. -	DRAWN J2CAD	BID NO. S1103
		SHT. LP34
		193 of 297

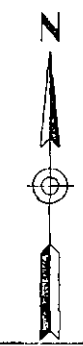
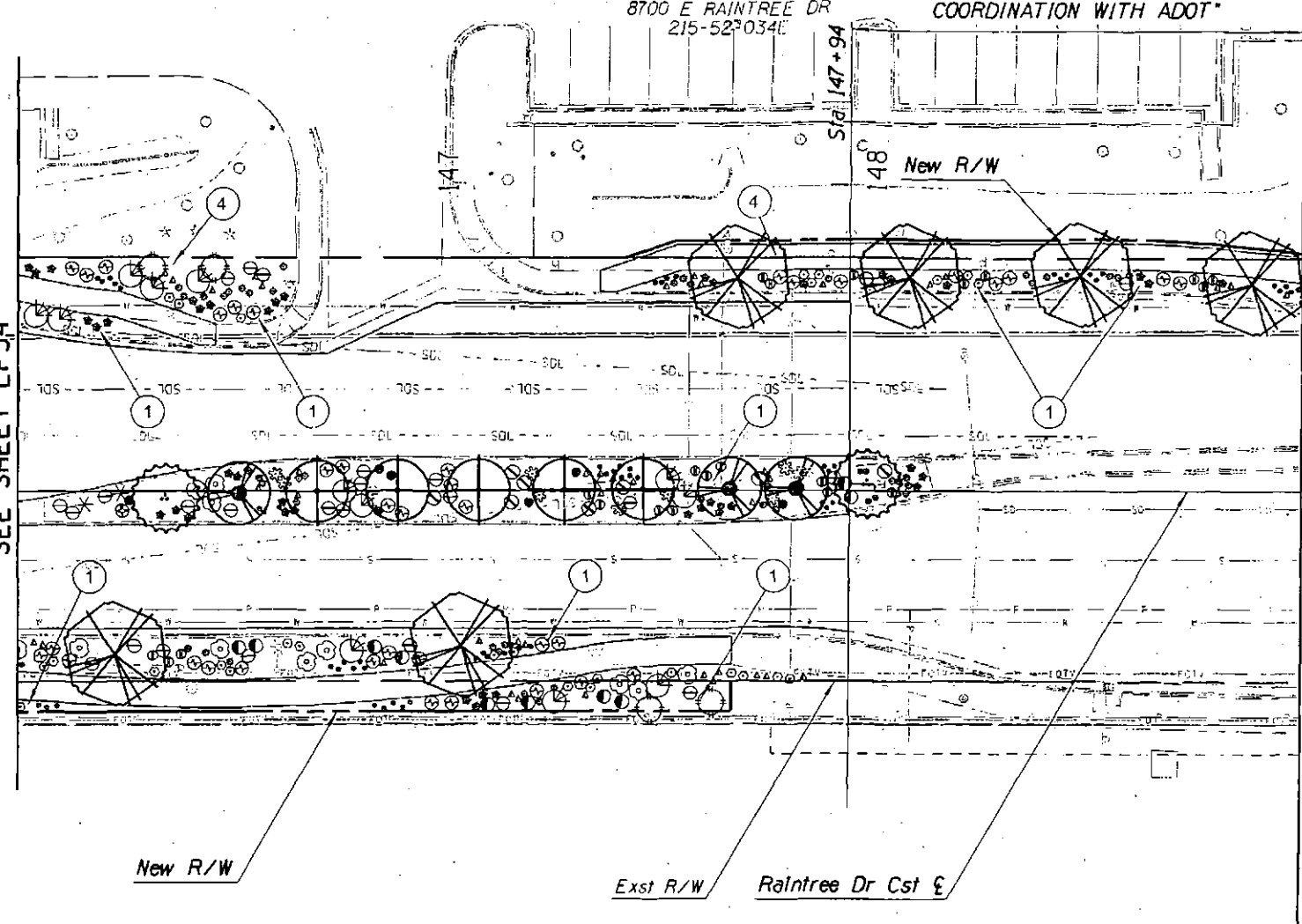


Kohls  
GD KS ACQUISITION COMPANY LLC  
8700 E RAINTREE DR  
215-523-0341

"PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT"

MATCH LINE: STA: 146+00  
SEE SHEET LP34

MATCH LINE: STA: 149+00  
SEE SHEET LP36



PLOT DATE: 6/11/2014 4:23:24 PM

DESIGN FILE: P:\120\966\120\cad\Sheet\56\_landscape\cos171\_LP35.dgn

J2 Engineering and Environmental Design  
4549 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cocalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Balleya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus creorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carneglea gigantea - Salvaged
- Carneglea gigantea
- Dasyllirion wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

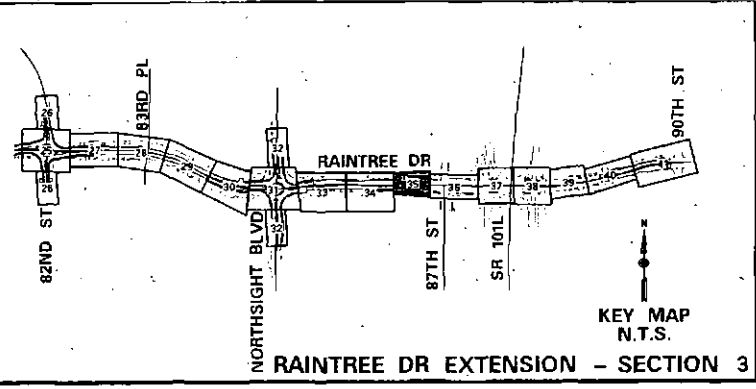
- Notes:
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

**INERT MATERIALS NOTES**

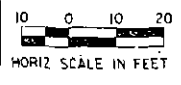
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



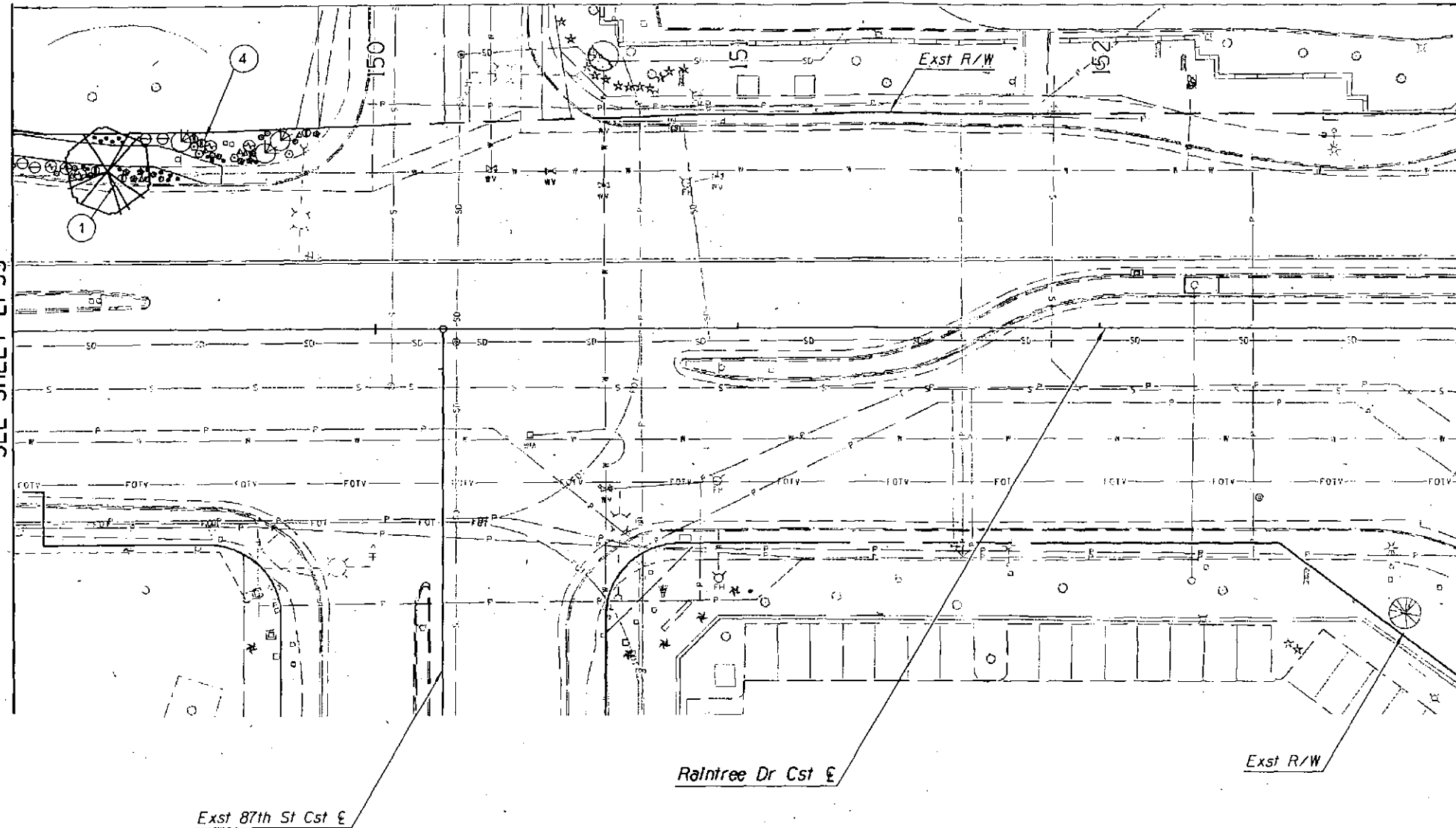
ARIZONA BLUE STAKE  
CALL THE MARKING GUY BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OR VISIT: www.1-800-STAKE-IT.COM)



DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
SHEET TITLE <b>LANDSCAPE PLAN                  RAINTREE DRIVE                  STA 146+00 TO STA 149+00</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION                  SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
BID NO.	SHT.	
PROJECT NO. S1103	194 of 297	



"PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY  
BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT"



MATCH LINE: STA: 149+00  
SEE SHEET LP35

MATCH LINE: STA: 153+00  
SEE SHEET LP37



J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

SHRUBS:

- Balleya multiradiata*
- Calliandra-erlrophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe* 'Blue Elf'
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasylirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakeights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

Notes:

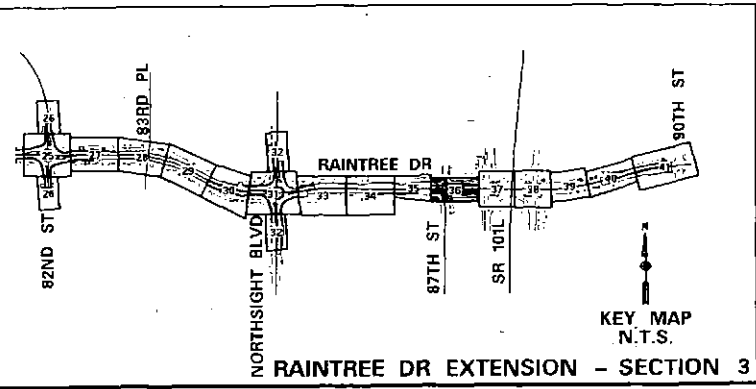
1. Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
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**INERT MATERIALS NOTES**

- ① Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
- ③ Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

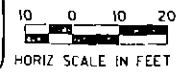
- ④ Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



KEY MAP  
N.T.S.

RAINTREE DR EXTENSION - SECTION 3

ARIZONA BLUE STAKE  
CALL TWO WEEKS BEFORE YOU DIG  
DIAL 811 OR 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
30%	TRAT E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
NOT FOR CONSTRUCTION OR RECORDING	SHEET TITLE	
LANDSCAPE PLAN RAINTREE DRIVE STA 149+00 TO STA 153+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
BID NO.	SHT.	
	LP36	
PROJECT NO.		
51103		195 of 297

DESIGN FILE: P:\1205956\J2Cad\Sheets\Landscapes\cosi77\_LP36.dgn PLOT DATE: 6/17/2014 4:29:26 PM



4:29:26 PM

PLOT DATE: 6/17/2014

DESIGN FILE: P:\120596\J2Cad\Sheet\Landscapes\cos177\_LP37.dgn

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

### PLANT SCHEDULE

#### GENUS/SPECIES

##### TREES:

- Acacia aneura*
- Caesalpinia cocalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

##### SHRUBS:

- Ballea multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus creorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygomphyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

##### ACCENTS/CACTI:

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave yilmoriniana*
- Aloe 'Blue Elf'*
- Carnegiea gigantea* - Salvaged
- Carnegiea gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

##### BOULDERS

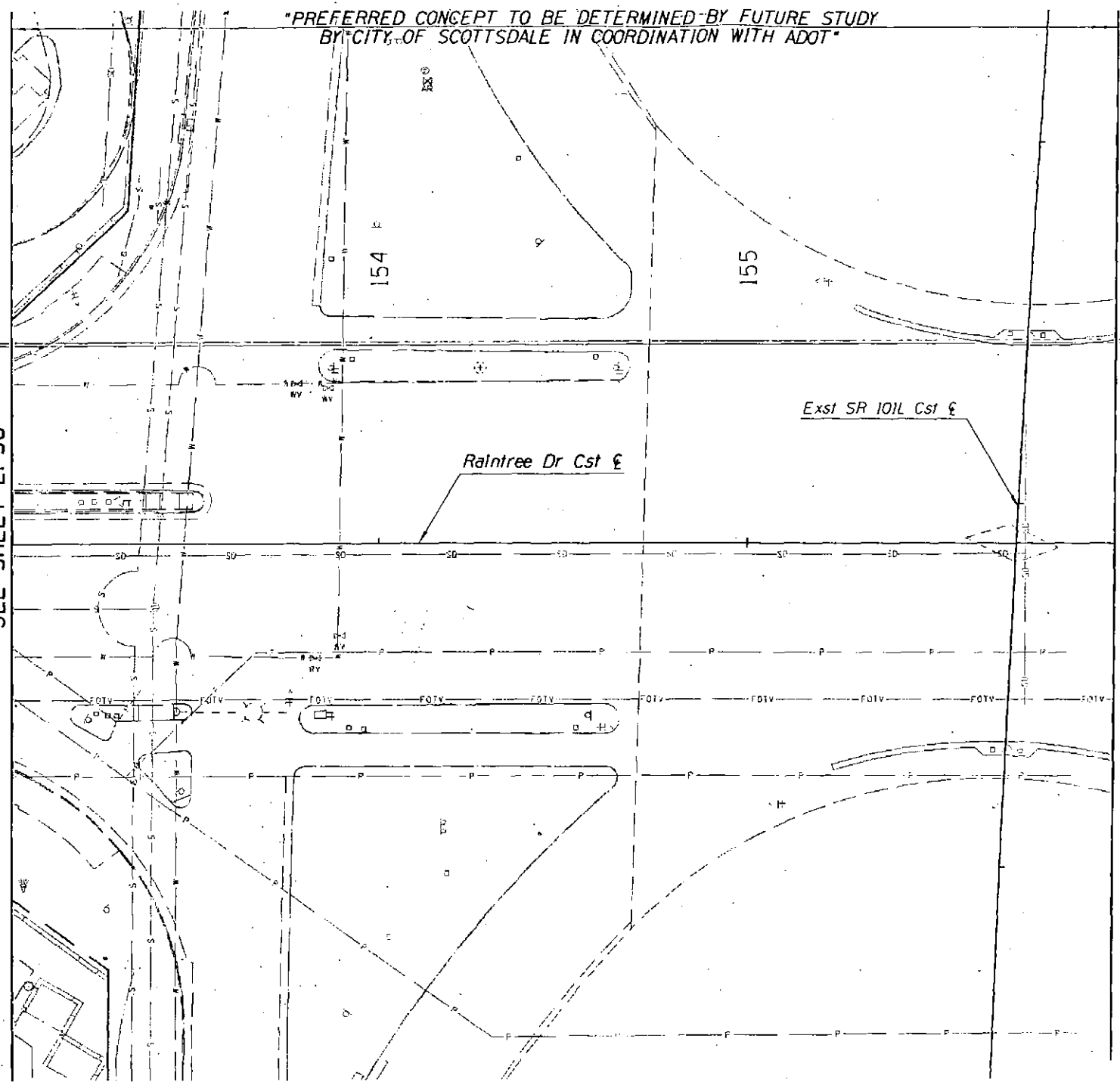
- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

- Notes:
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"PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT"

MATCH LINE: STA: 153+00  
SEE SHEET LP36

MATCH LINE: STA: 156+00  
SEE SHEET LP38

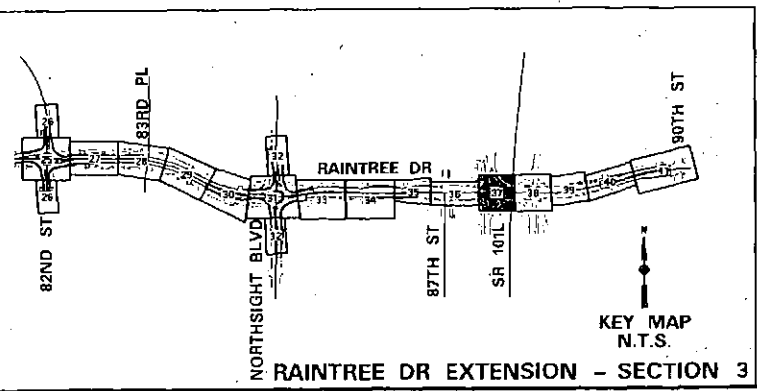


### INERT MATERIALS NOTES

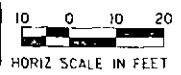
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

### GENERAL NOTES

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ARIZONA BLUE STAKE  
CALL TWO WORKING DAYS BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
		PUBLIC WORKS
		CAPITAL PROJECT MANAGEMENT
SHEET TITLE		
LANDSCAPE PLAN		
RAINTREE DRIVE		
STA 153+00 TO STA 156+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION		
SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
PROJECT NO.		SHT.
SI103		LP37
196 of 297		



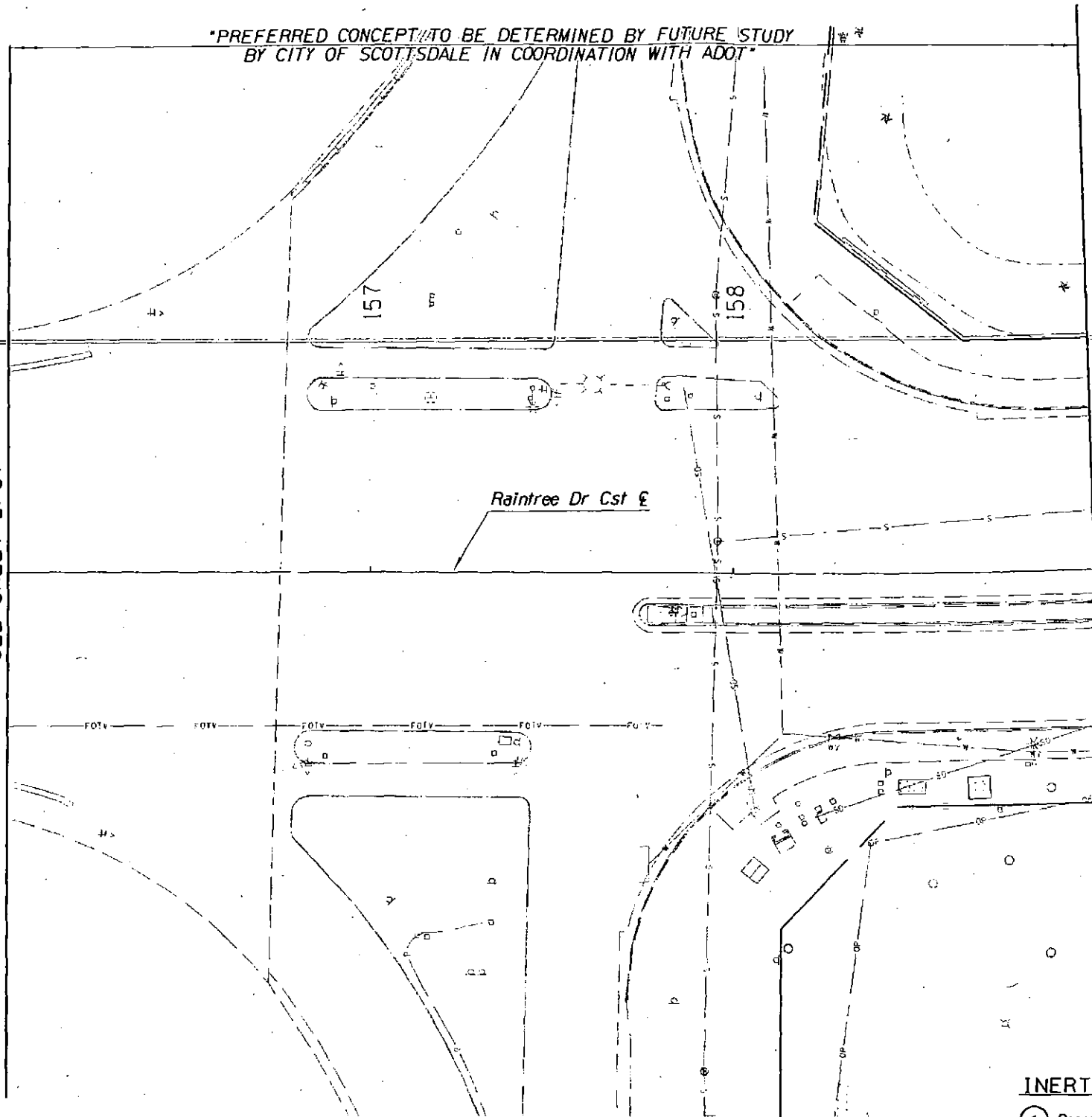
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\*PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT\*

MATCH LINE: STA: 156+00  
SEE SHEET LP37

MATCH LINE: STA: 159+00  
SEE SHEET LP39



J2 Engineering and Environmental Design  
4049 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cacalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olivea tesota - Salvaged
- Olivea tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Balleya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus cneorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
- Leucophyllum zygophyllum 'Cimarron'
- Ruellia brittoniana 'Rosa'
- Ruellia peninsularis
- Senna covesii
- Tecoma hybrid 'Solar Flare'

ACCENTS/CACTI:

- Agave desmetiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carneglea gigantea - Salvaged
- Carneglea gigantea
- Dasylirion wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
- Fouquieria splendens
- Hesperaloe parviflora x 'Brakelights'
- Opuntia violacea var. 'Santa Rita'
- Penstemon parryi
- Penstemon superbus
- Yucca pallida
- Yucca recurvifolia

BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2'x2'x2')
- B - Medium (3'x3'x3')
- C - Large (4'x4'x4')

Notes:

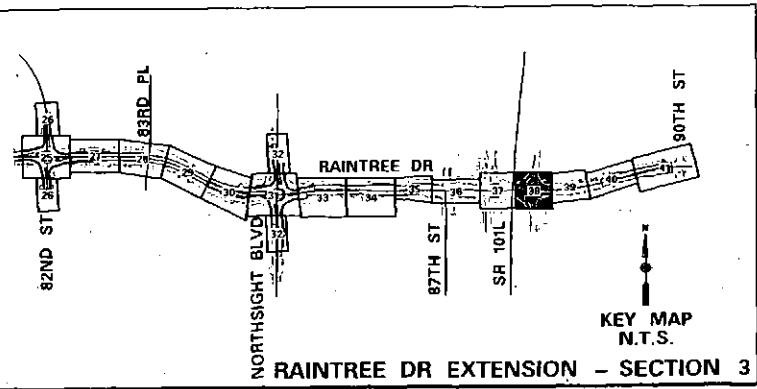
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**INERT MATERIALS NOTES**

- 1 Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- 2 Granite Rubble-Express Brown, 3" Minus, 3" Depth
- 3 Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

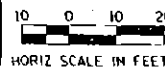
- 4 Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.



KEY MAP  
N.T.S.

RAINTREE DR EXTENSION - SECTION 3

ARIZONA BLUE STAKE  
CALL TWO WORKING DAYS BEFORE YOU BID  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)



DATE	REVISION	BY
PRELIMINARY	30%	NOT FOR CONSTRUCTION OR RECORDING
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
LANDSCAPE PLAN RAIN TREE DRIVE STA 156+00 TO STA 159+00		
PROJECT TITLE		
RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
BID NO.	SHT.	
	LP38	
PROJECT NO.		
SH103		
		197 of 297



**PLANT SCHEDULE**

**GENUS/SPECIES**

**TREES:**

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

**SHRUBS:**

- Baileya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia peninsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carneglea gigantea* - Salvaged
- Carneglea gigantea*
- Dasyliiron wheeleri*
- Echinocactus grusonii*
- Euphorbia antisiphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

**BOULDERS**

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**Notes:**

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- Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	4441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **LANDSCAPE PLAN  
 RAINTREE DRIVE  
 STA 159+00 TO STA 162+00**

PROJECT TITLE	<b>RAINTREE DRIVE EXTENSION    SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	RC/00	06/14	
VERT. -	DRAWN	AS-BUILT	SHT. LP39
	J2CAD		PROJECT NO. S1103
			198 of 297

"PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY  
 BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT"

Raintree Corporate Center  
 SFI RAINTREE SCOTTSDALE LLC  
 8800 E RAINTREE DR  
 217-15-943

MATCH LINE: STA: 159+00  
 SEE SHEET LP38

MATCH LINE: STA: 162+00  
 SEE SHEET LP40

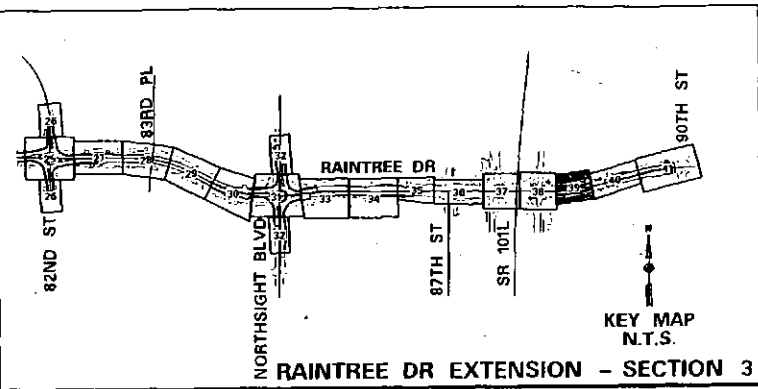
Raintree Dr Cst E

**INERT MATERIALS NOTES**

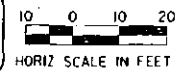
- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
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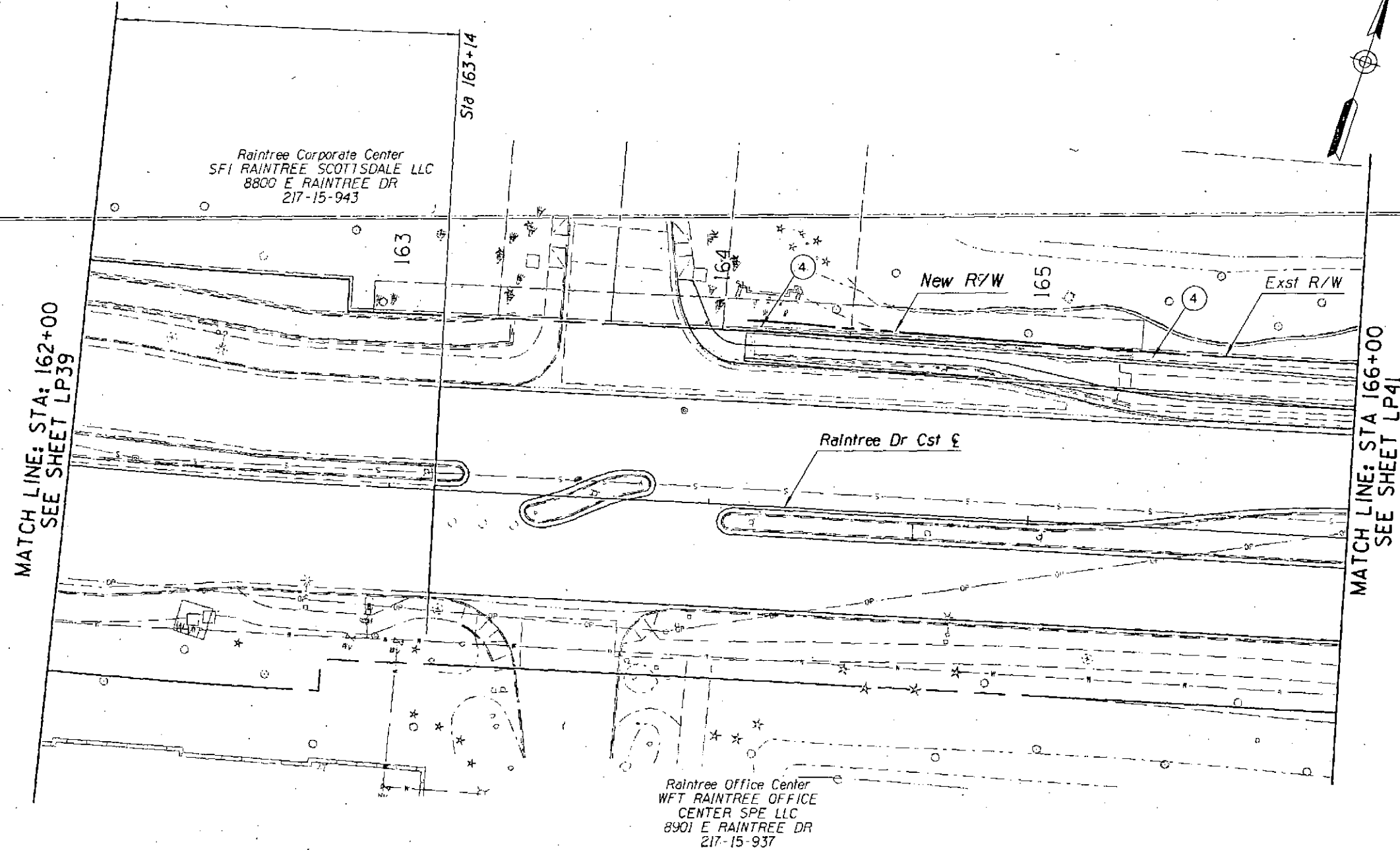
ARIZONA BLUE STAKE  
 CALL TWO WORKING DAYS BEFORE THE DIG  
 Dial 811 OR 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)



PLOT DATE: 6/17/2014 4:29:31 PM  
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"PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY  
 BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT"



MATCH LINE: STA: 162+00  
 SEE SHEET LP39

MATCH LINE: STA 166+00  
 SEE SHEET LP41

**PLANT SCHEDULE**

GENUS/SPECIES

TREES:

- Acacia aneura
- Caesalpinia cocalaco 'Smoothie'
- Chitalpa tashkentensis 'Pink Dawn'
- Olea europaea 'Swan Hill'
- Olneya tesota - Salvaged
- Olneya tesota
- Sophora secundiflora 'Silver Sierra'

SHRUBS:

- Baileya multiradiata
- Calliandra eriophylla
- Callistemon citrinus 'Little John'
- Convolvulus creorum
- Dalea capitata 'Sierra Gold'
- Dalea greggii
- Eremophila glabra ssp. 'Winter Blaze'
- Larrea tridentata
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- Ruellia peninsularis
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ACCENTS/CACTI:

- Agave desmetiana
- Agave havardiana
- Agave parryi
- Agave vilmoriniana
- Aloe 'Blue Elf'
- Carnegiea gigantea - Salvaged
- Carnegiea gigantea
- Dasylipton wheeleri
- Echinocactus grusonii
- Euphorbia antisyphilitica
- Fouquieria splendens - Salvaged
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BOULDERS

- Salvaged & Relocated from On-Site
- A - Small (2'x2'x2')
- B - Medium (3'x3'x3')
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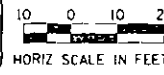
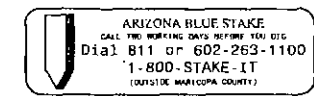
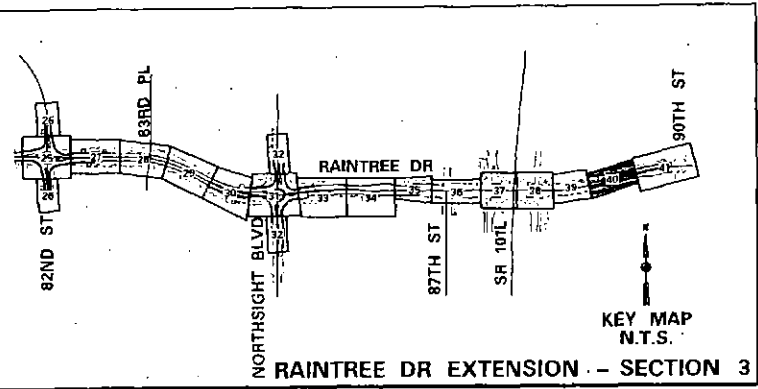
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**INERT MATERIALS NOTES**

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- ② Granite Rubble-Express Brown, 3" Minus, 3" Depth
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**GENERAL NOTES**

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DATE	REVISION	BY
PRELIMINARY	30%	
NOT FOR CONSTRUCTION OR RECORDING		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 1441 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE <b>LANDSCAPE PLAN</b> <b>RAIN TREE DRIVE</b> <b>STA 162+00 TO STA 166+00</b>		
PROJECT TITLE <b>RAIN TREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	PROJECT NO.
		51103
		SHT.
		LP40
		199 of 297

PLOT DATE: 6/17/2014 4:29:33 PM  
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Pragmatic Marketing  
PRAGMATIC  
INVESTMENTS LLC  
8910 E RAINTREE DR  
217-15-946

Sandhills  
PAR 5 PARTNERS LLC  
8920 E RAINTREE DR  
217-15-947

RAINTREE OFFICE  
PROPERTY LLC  
8930 E RAINTREE DR  
217-15-948

Raintree Office Center  
WFT RAINTREE OFFICE  
CENTER SPE LLC  
8901 E RAINTREE DR  
217-15-937

J2 Engineering and Environmental Design  
4649 East Cotton Gin Loop, Suite B2  
Phoenix, Arizona 85040  
Phone: 602-438-2221  
www.j2design.us

**PLANT SCHEDULE**

**GENUS/SPECIES**

**TREES:**

- Acacia aneura*
- Caesalpinia cacalaco* 'Smoothie'
- Chitalpa tashkentensis* 'Pink Dawn'
- Olea europaea* 'Swan Hill'
- Olneya tesota* - Salvaged
- Olneya tesota*
- Sophora secundiflora* 'Silver Sierra'

**SHRUBS:**

- Balleya multiradiata*
- Calliandra eriophylla*
- Callistemon citrinus* 'Little John'
- Convolvulus cneorum*
- Dalea capitata* 'Sierra Gold'
- Dalea greggii*
- Eremophila glabra* ssp. 'Winter Blaze'
- Larrea tridentata*
- Leucophyllum zygophyllum* 'Cimarron'
- Ruellia brittoniana* 'Rosa'
- Ruellia perinsularis*
- Senna covesii*
- Tecoma hybrid* 'Solar Flare'

**ACCENTS/CACTI:**

- Agave desmettiana*
- Agave havardiana*
- Agave parryi*
- Agave vilmoriniana*
- Aloe 'Blue Elf'*
- Carnegia gigantea* - Salvaged
- Carnegia gigantea*
- Dasyllirion wheeleri*
- Echinocactus grusonii*
- Euphorbia antisyphilitica*
- Fouquieria splendens* - Salvaged
- Fouquieria splendens*
- Hesperaloe parviflora* x 'Brakelights'
- Opuntia violacea* var. 'Santa Rita'
- Penstemon parryi*
- Penstemon superbus*
- Yucca pallida*
- Yucca recurvifolia*

**BOULDERS**

- Salvaged & Relocated from On-Site
- A - Small (2' x 2' x 2')
- B - Medium (3' x 3' x 3')
- C - Large (4' x 4' x 4')

- Notes:**
- Existing native plant material shall be inventoried and relocated in proposed landscape areas during final design stages of project.
  - Existing on-site boulders shall be inventoried and relocated in proposed landscape areas during final design stages of project.

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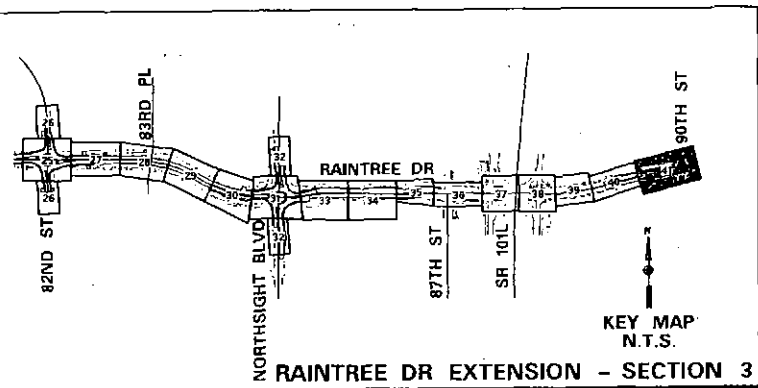
**LANDSCAPE PLAN**  
**RAINTREE DRIVE**  
STA 166+00 TO STA 170+72.79

PROJECT TITLE <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>				
SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	RC/00	06/14		LP41
VERT. -	DRAWN	AS-BUILT	PROJECT NO.	200x297
	J2CAD		SI103	

MATCH LINE: STA: 166+00  
SEE SHEET LP40

PLOT DATE: 6/17/2014 4:29:34 PM

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**INERT MATERIALS NOTES**

- Decomposed Granite-Desert Gold 1/2" Screened, 2" Depth
- Granite Rubble-Express Brown, 3" Minus, 3" Depth
- Angular Rip Rap-Express Brown, 6"-18", Depth Varies

**GENERAL NOTES**

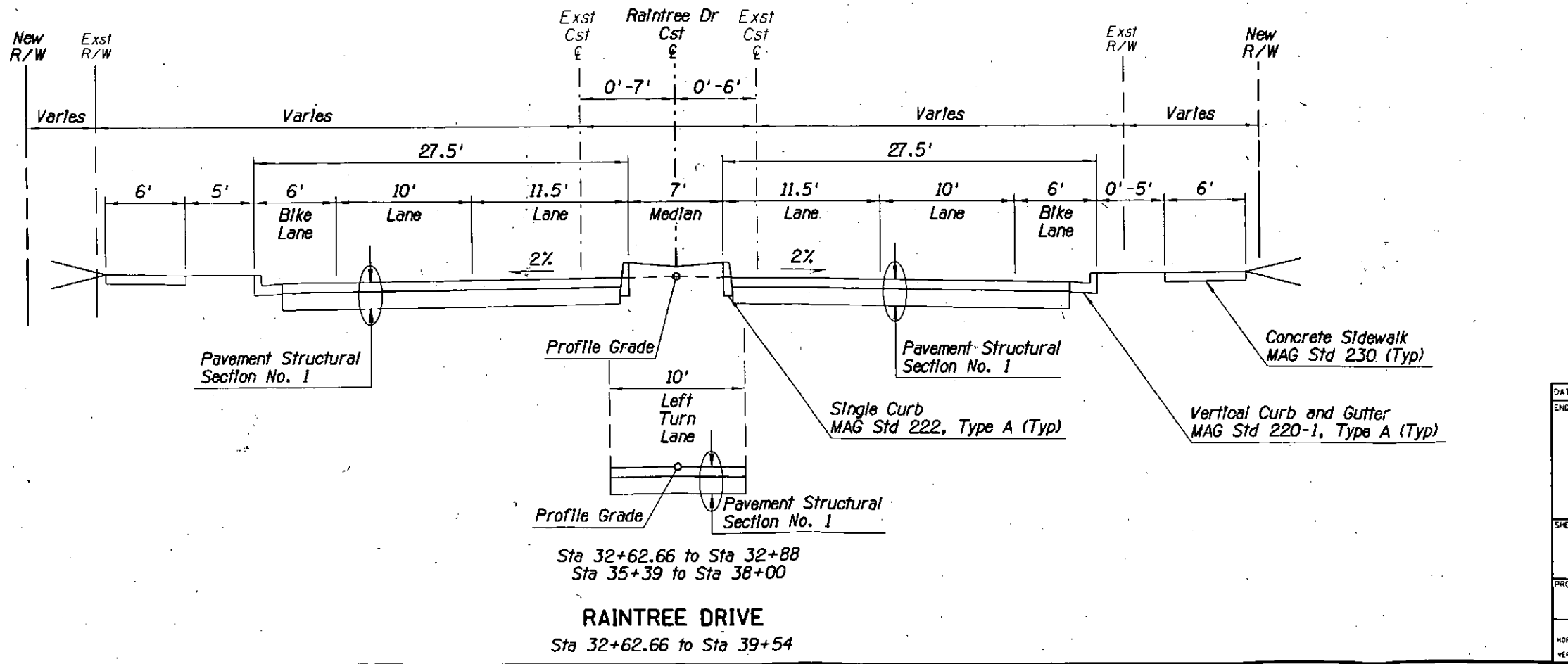
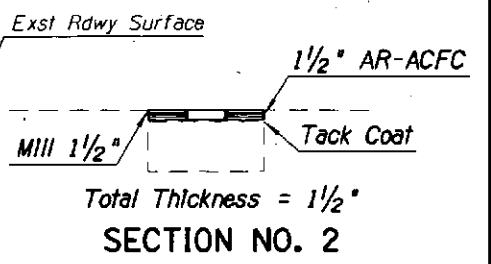
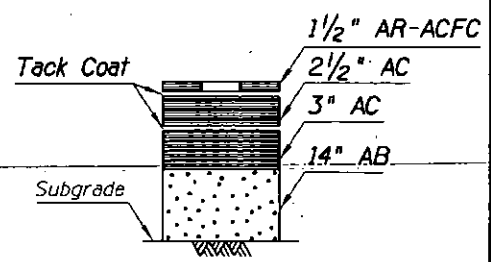
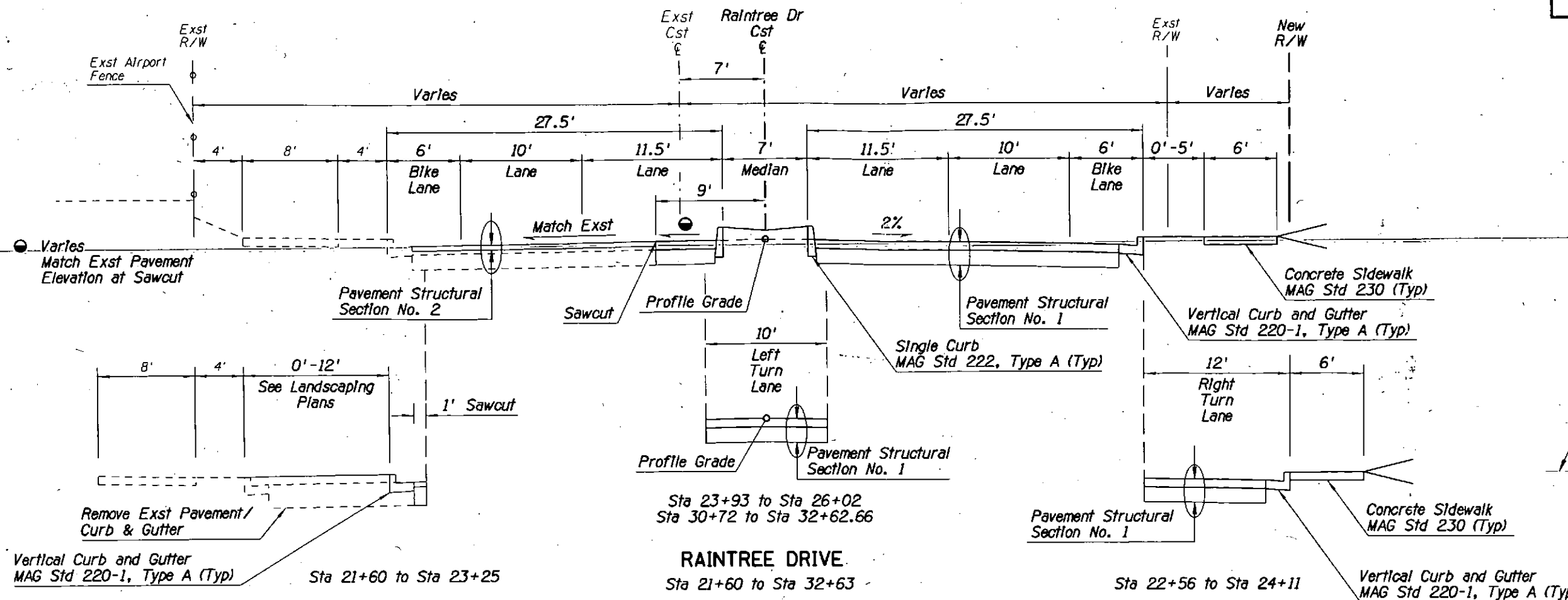
- Contractor to pull back existing decomposed granite and stake location of new sidewalk. After new sidewalk has been installed, Contractor shall feather back existing decomposed granite adjacent to sidewalk and concrete edges per COS Std Detail 2210. Contractor shall adjust, repair, and/or modify existing drip irrigation equipment to maintain 100% coverage of new and existing plantings, typical.

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**4-DR-2015**  
 2/17/2015

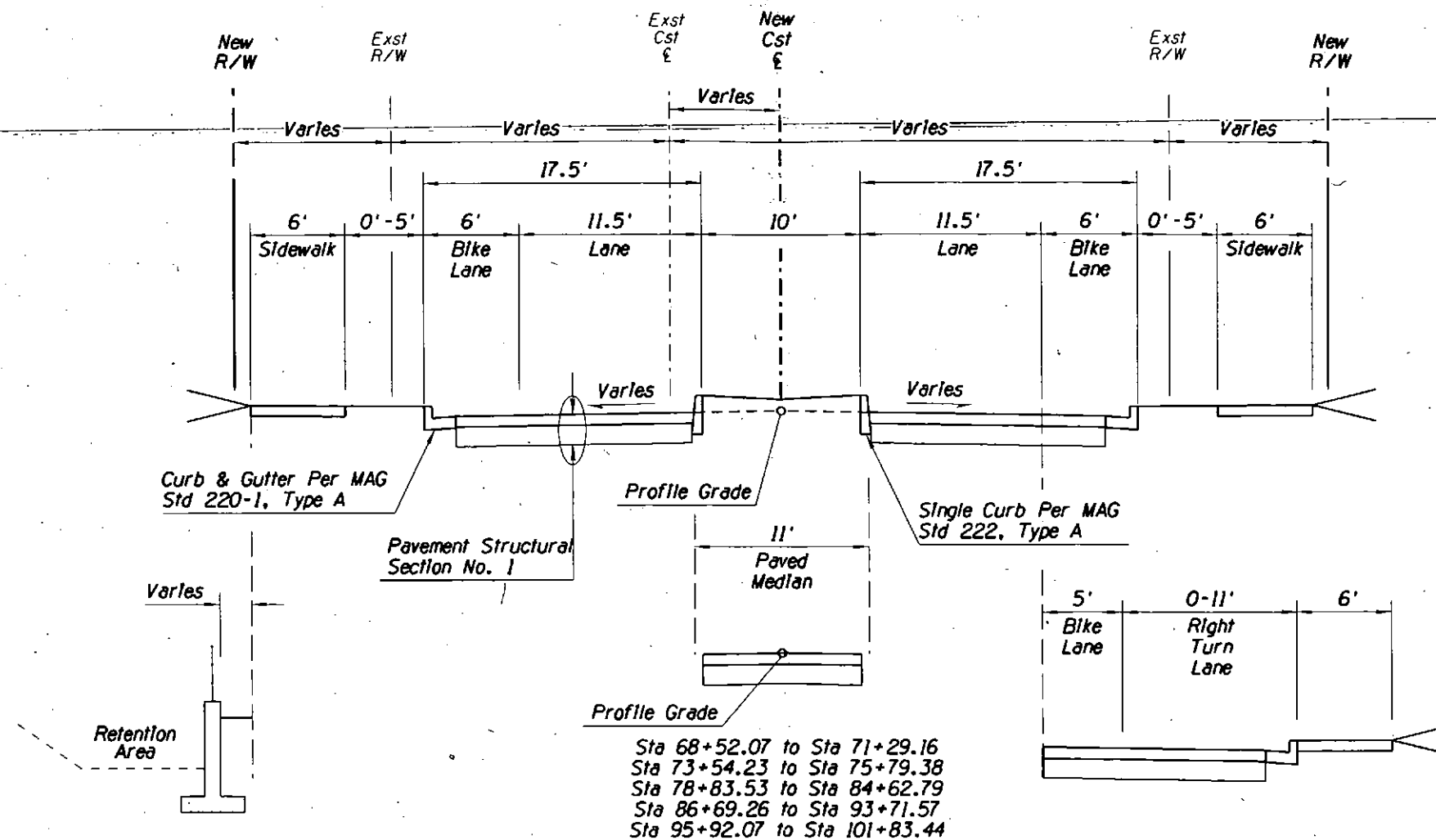


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 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
<b>TYPICAL SECTIONS</b>		
PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION</b>		
SCOTTSDALE ROAD TO SR 101L		
SCALE: HORIZ. 1"=20'	DESIGNED: MDB	DATE: 06/14
VERT. XX	DRAWN: WBE	AS-BUILT
	BID NO.	SHT. G3
	PROJECT NO. S1103	3 of 297



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PLOT DATE: 6/17/2014



See Plans For Locations

Sta 68+52.07 to Sta 71+29.16  
 Sta 73+54.23 to Sta 75+79.38  
 Sta 78+83.53 to Sta 84+62.79  
 Sta 86+69.26 to Sta 93+71.57  
 Sta 95+92.07 to Sta 101+83.44

**RAINTREE DRIVE**

Sta 67+18.65 to Sta 103+00.00


Sta 67+36.56 to Sta 68+69.62, Rt  
 Sta 72+23.89 to Sta 73+70.27, Rt  
 Sta 88+38.85 to Sta 90+43.18, Rt  
 Sta 100+68.60 to Sta 101+92.54, Lt

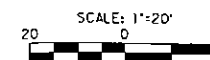
**NOTE:**

Sta 39+54.00 to Sta 44+86.80  
 Sta 64+50.31 to Sta 67+18.65  
 See Raintree/Redfield Plan Sheet

**4-DR-2015**  
 2/17/2015



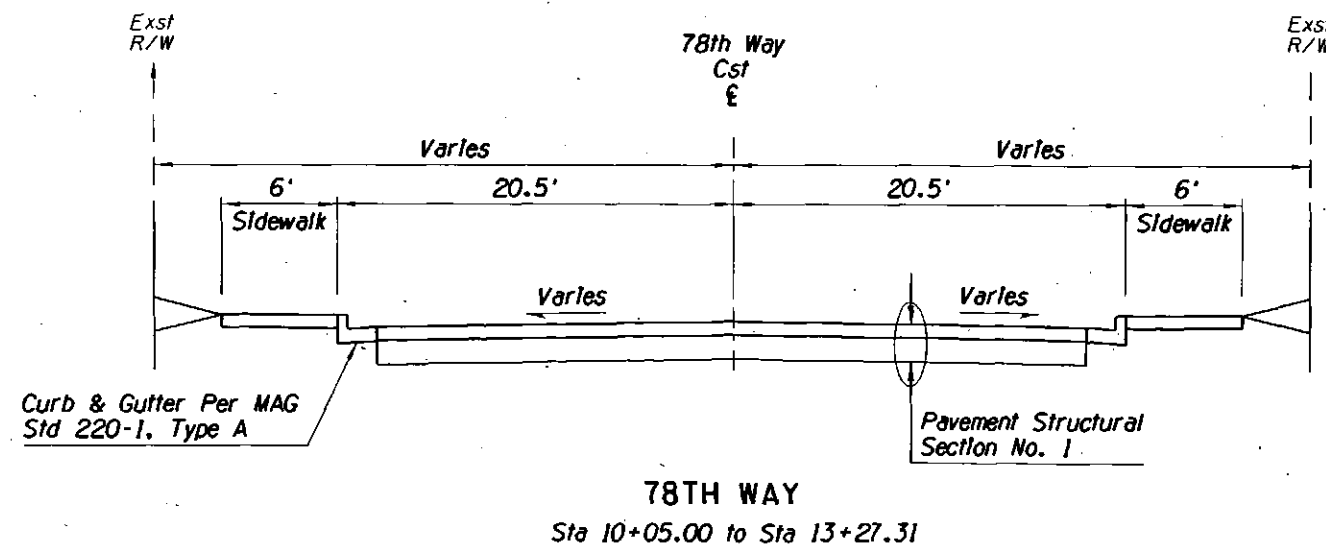
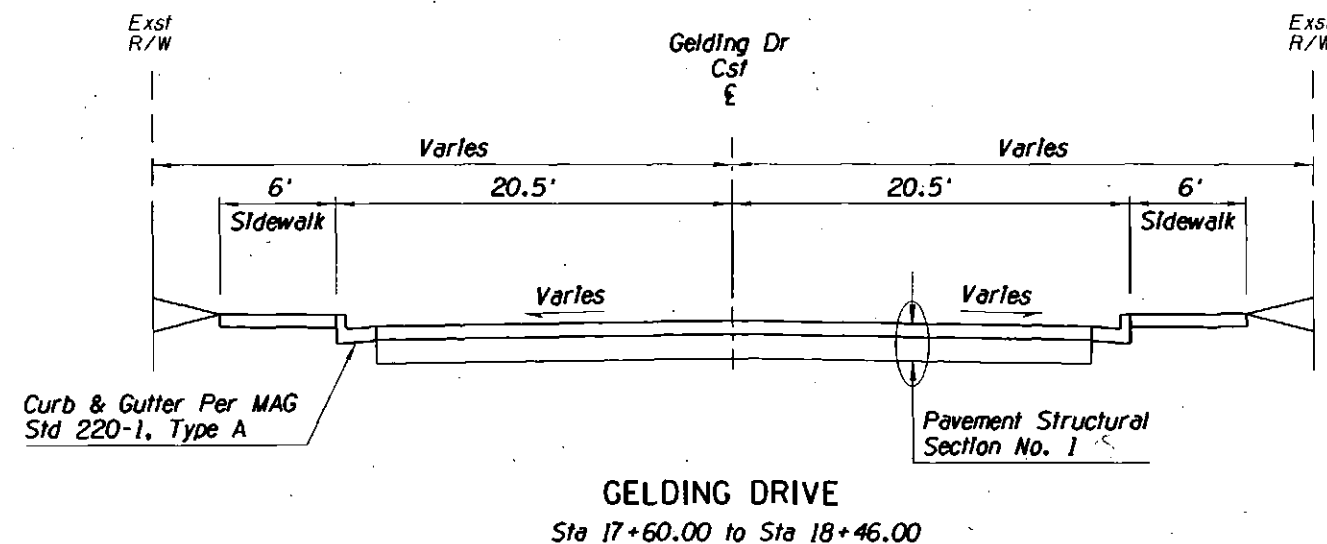
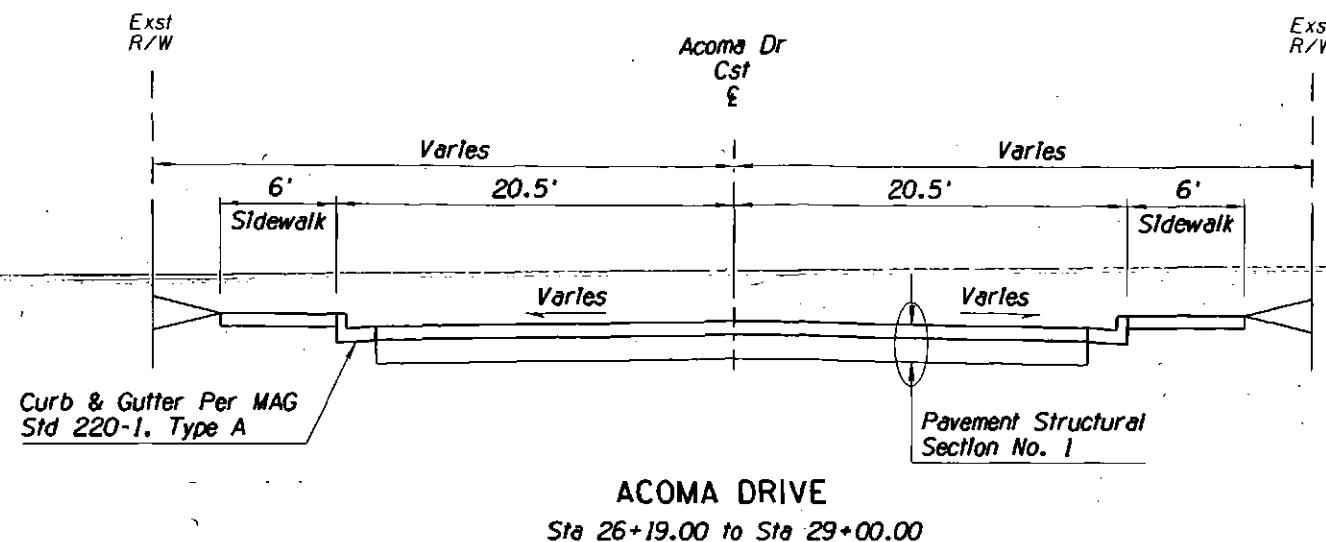
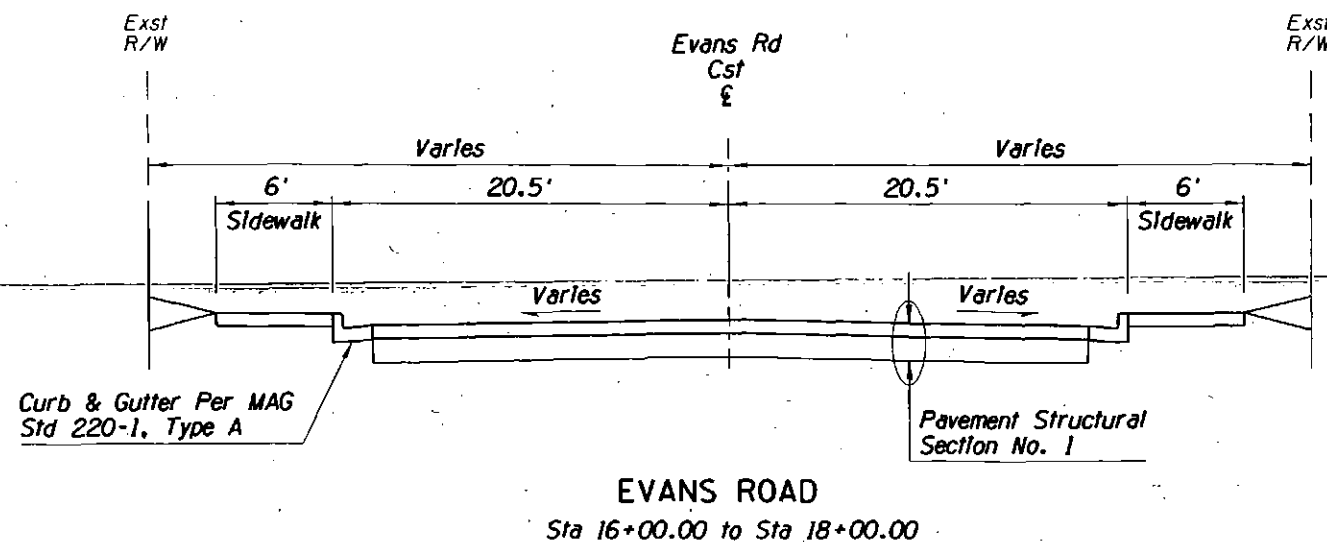
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ENGINEER	PRELIMINARY	30%
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TYPICAL SECTION		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	NJO	06/14
VERT. XX	NJO	AS-BUILT
	B'D NO.	SHT.
	PROJECT NO.	4 OF 297
	S1103	



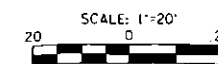
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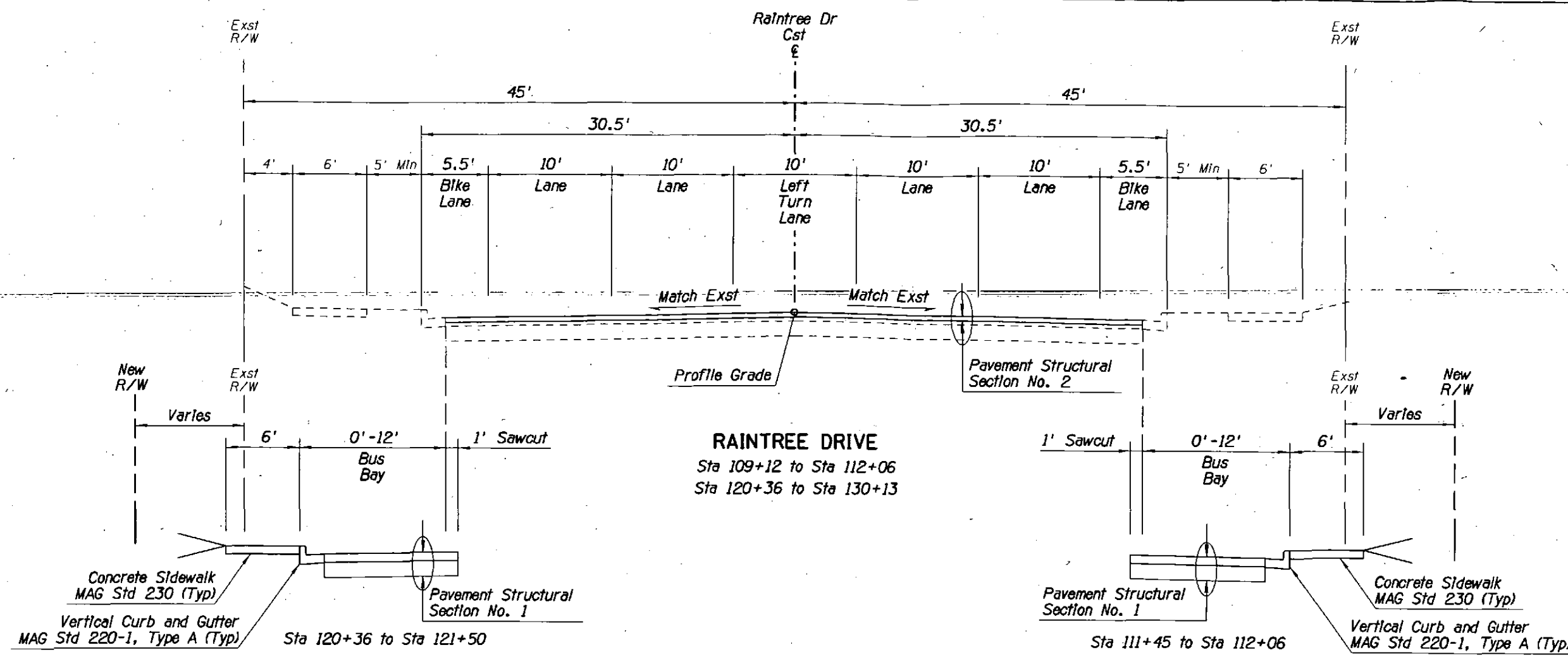
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	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD., SCOTTSDALE, ARIZONA 85251
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TYPICAL SECTION		
PROJECT TITLE		
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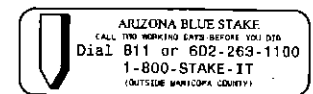
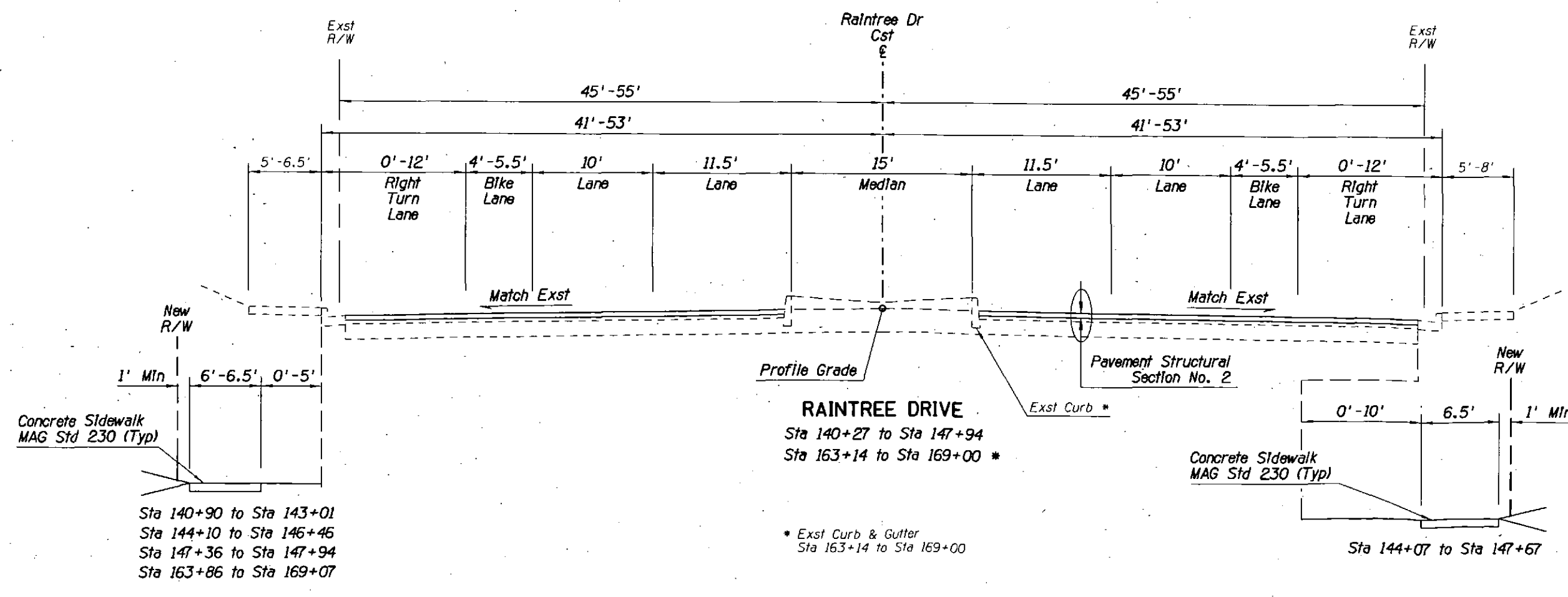
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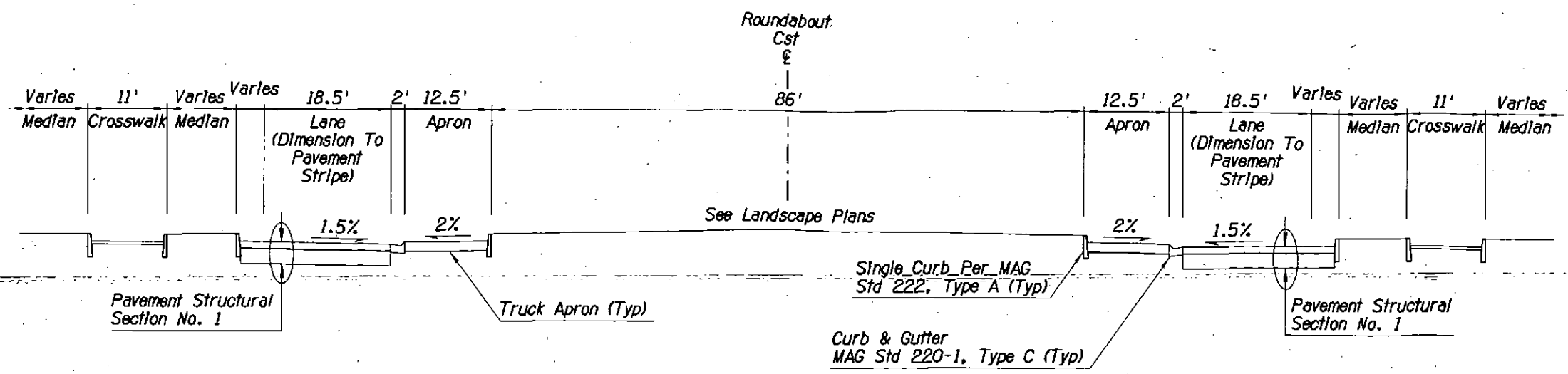
- NOTES:**
1. Sta 103+00 to Sta 109+12  
See Raintree/Hayden Plan Sheet
  2. Sta 112+06 to Sta 120+36  
See Raintree/B2nd St Plan Sheet
  3. Sta 130+13 to Sta 140+27  
See Raintree/Northsight Plan Sheet



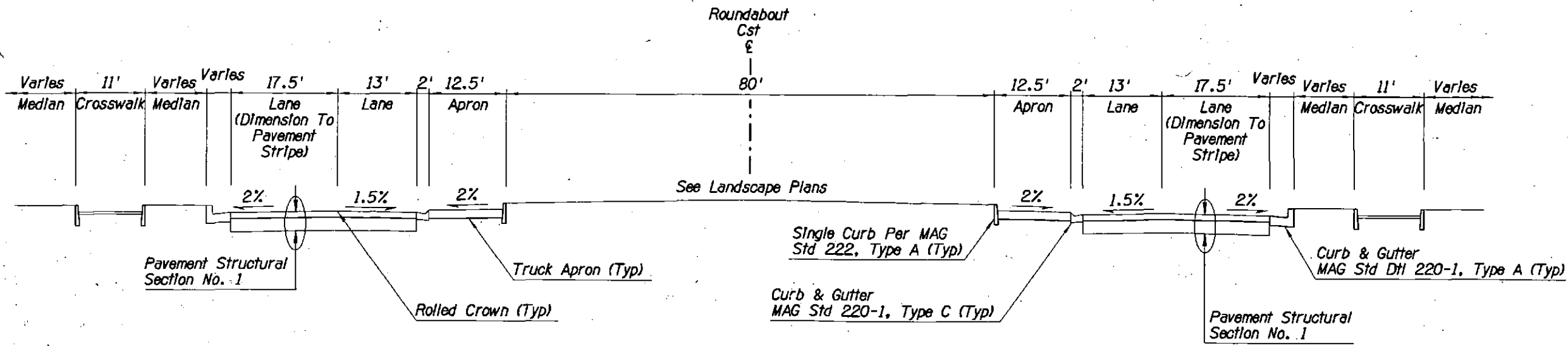
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<b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	DRAWN	AS-BUILT
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PROJECT NO.		SHT.
S1103		G6
6 OF 297		



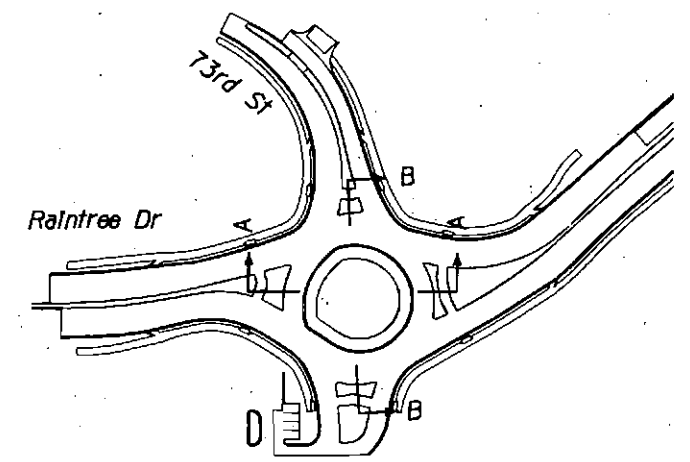
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**RAINTREE DRIVE/73RD ST**  
 SECTION A-A  
 ROUNDABOUT



**RAINTREE DRIVE/73RD ST**  
 SECTION B-B  
 ROUNDABOUT



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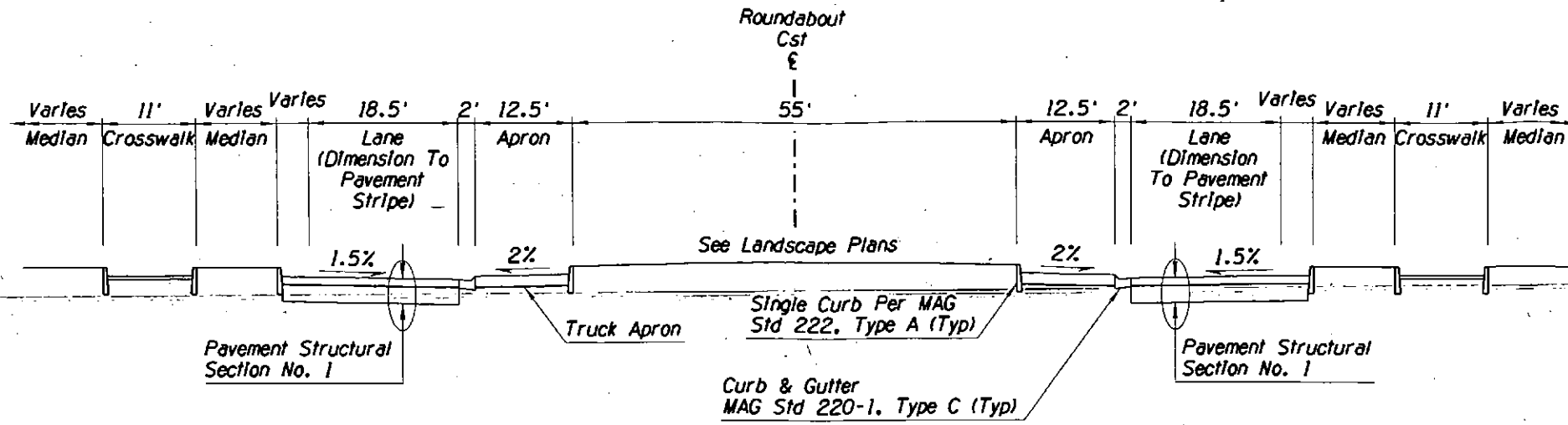
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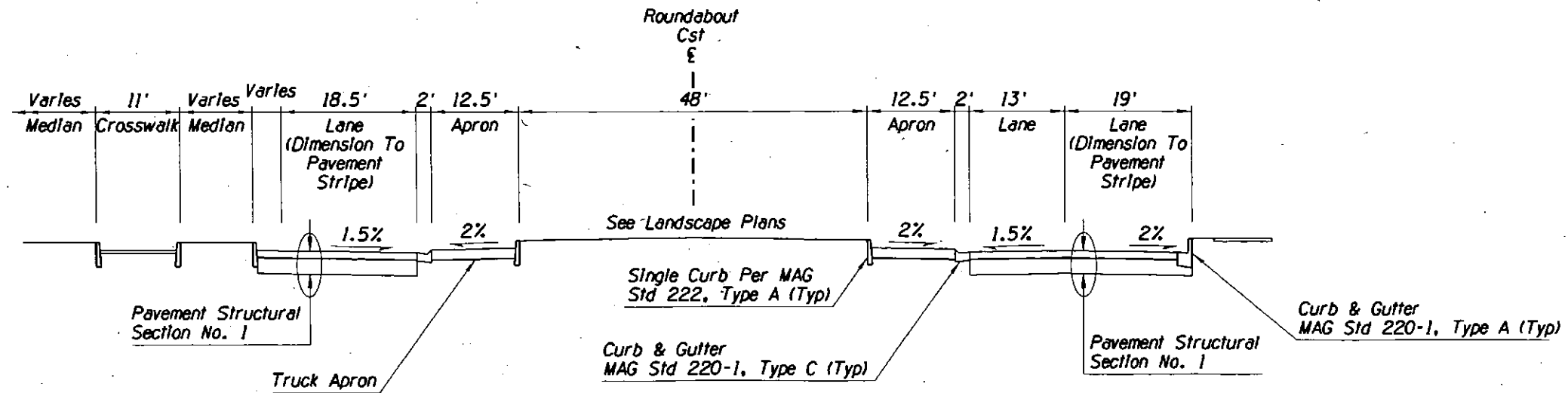


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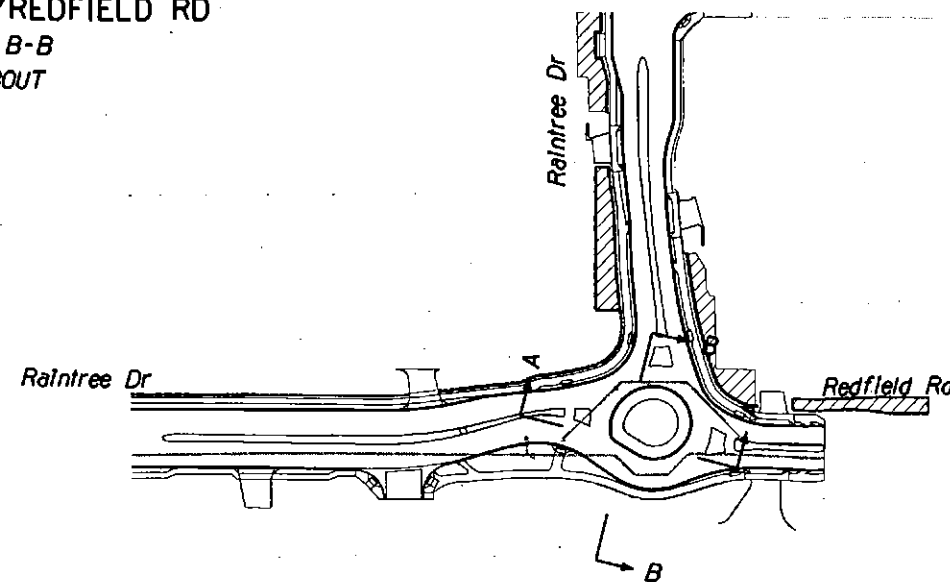
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RAINTREE DRIVE/REDFIELD RD  
SECTION A-A  
ROUNDABOUT



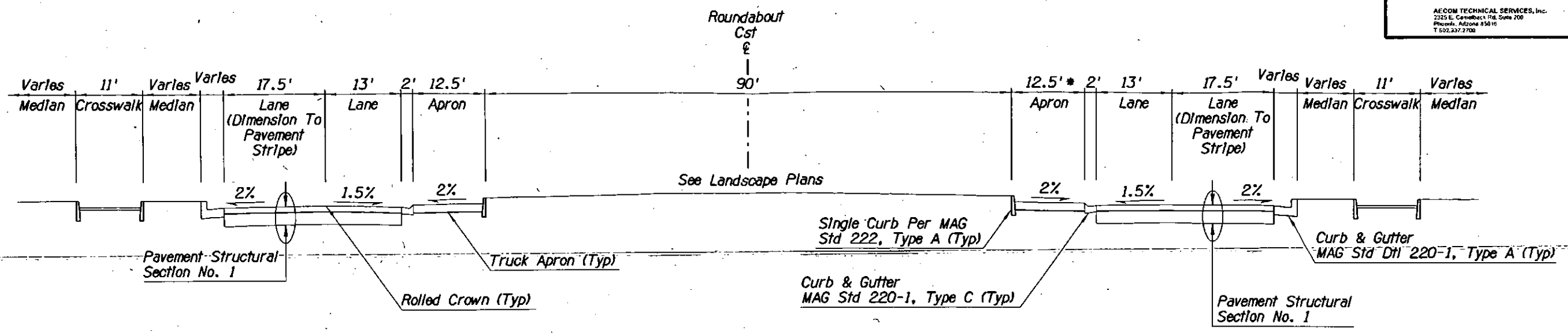
RAINTREE DRIVE/REDFIELD RD  
SECTION B-B  
ROUNDABOUT



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SHEET TITLE		
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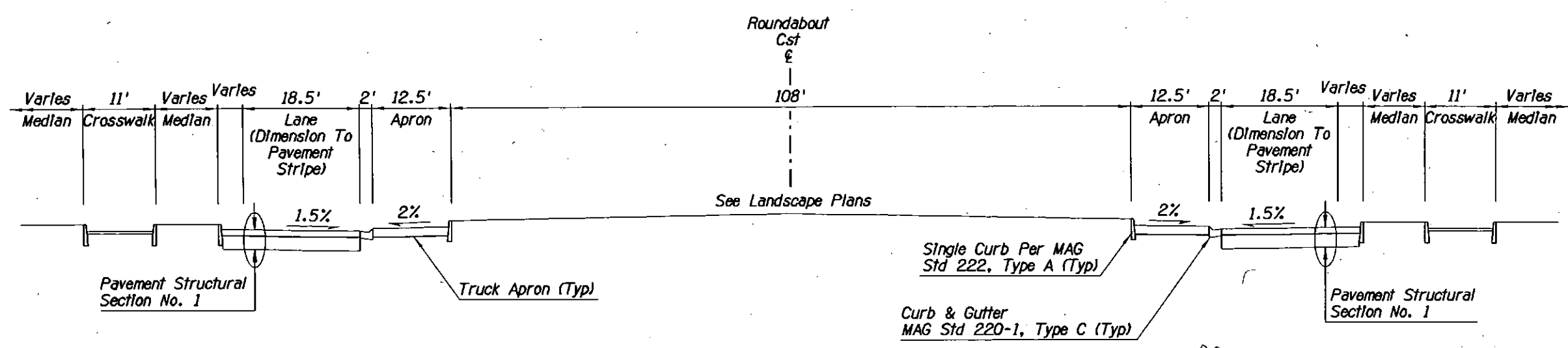


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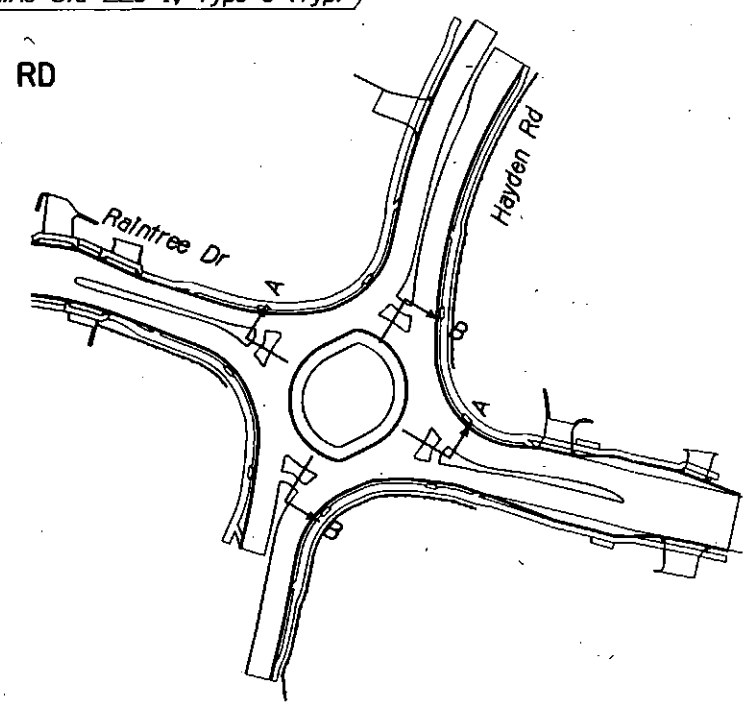


**RAINTREE DRIVE/HAYDEN RD**  
 SECTION A-A  
 ROUNDABOUT


\* Apron Varies From 12.5' to 21.34' Due to Spiral



**RAINTREE DRIVE/HAYDEN RD**  
 SECTION B-B  
 ROUNDABOUT



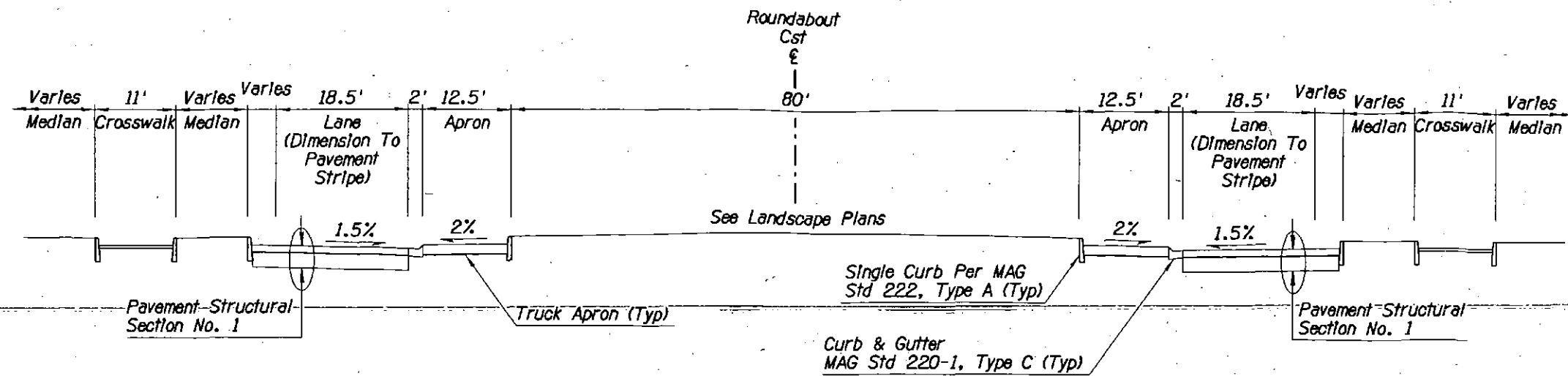
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<b>TYPICAL SECTIONS</b>		
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	WBE	
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PROJECT NO.		
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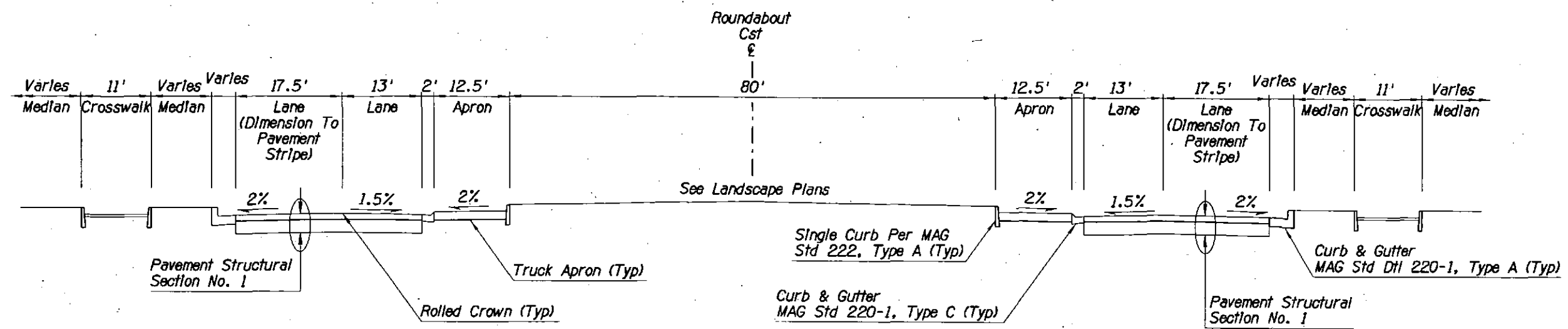
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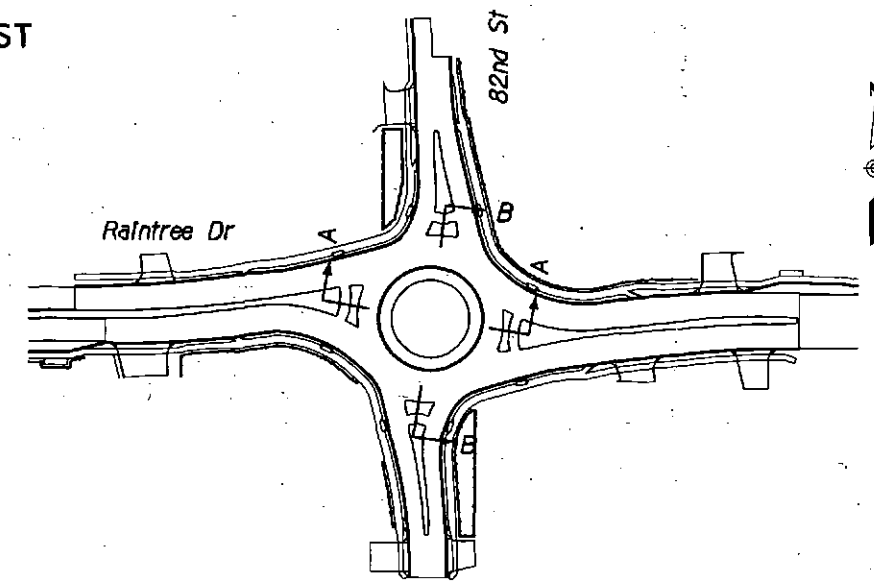
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**RAINTREE DRIVE/82ND ST**  
 SECTION A-A  
 ROUNDABOUT



**RAINTREE DRIVE/82ND ST**  
 SECTION B-B  
 ROUNDABOUT



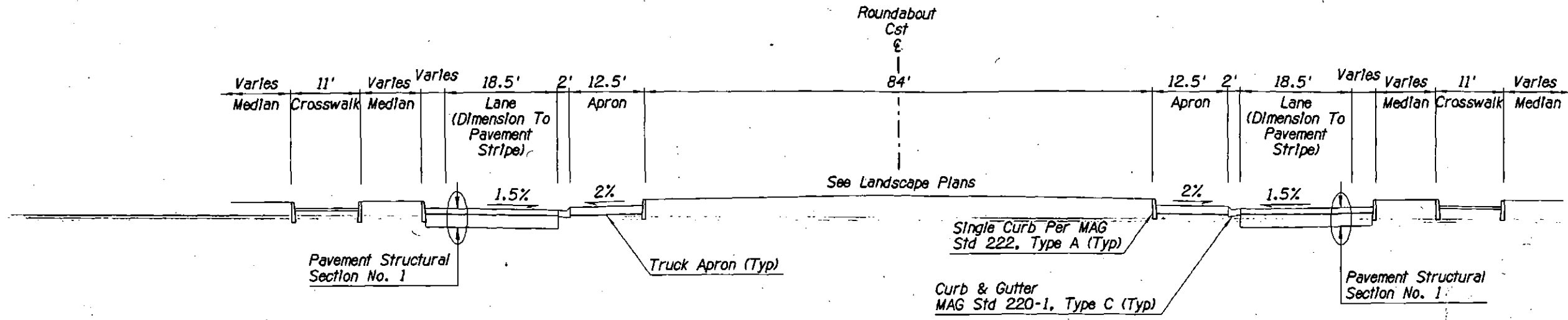
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PROJECT TITLE		
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HORIZ. 1"=10'	MDB	06/14
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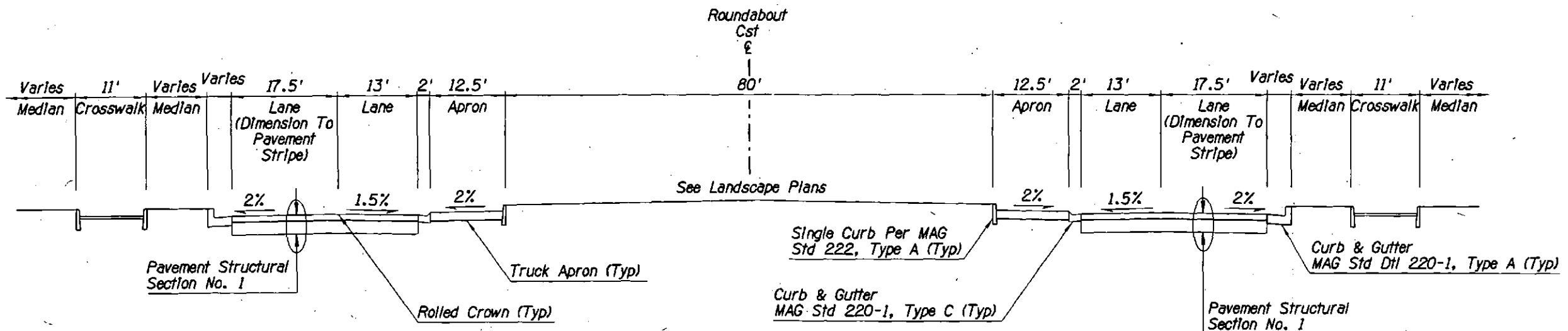
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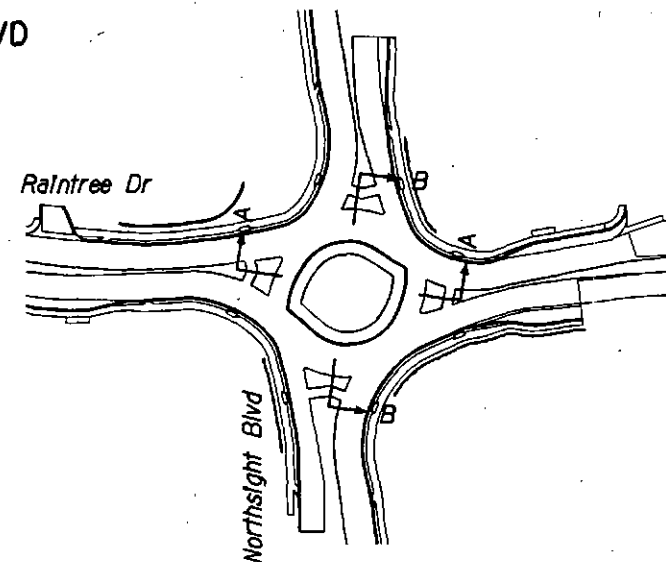
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**RAINTREE DRIVE/NORTHSIGHT BLVD**  
 SECTION A-A  
 ROUNDABOUT



**RAINTREE DRIVE/NORTHSIGHT BLVD**  
 SECTION B-B  
 ROUNDABOUT



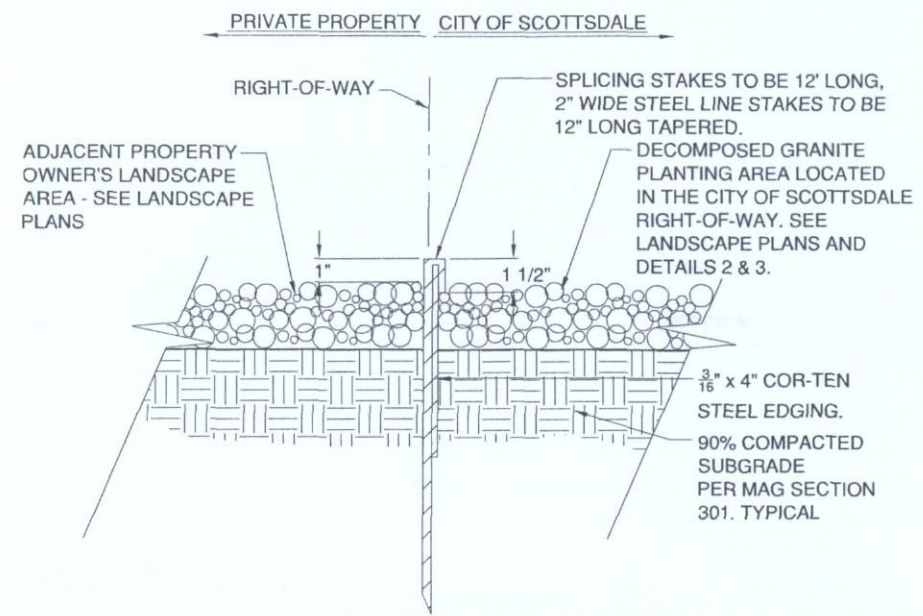
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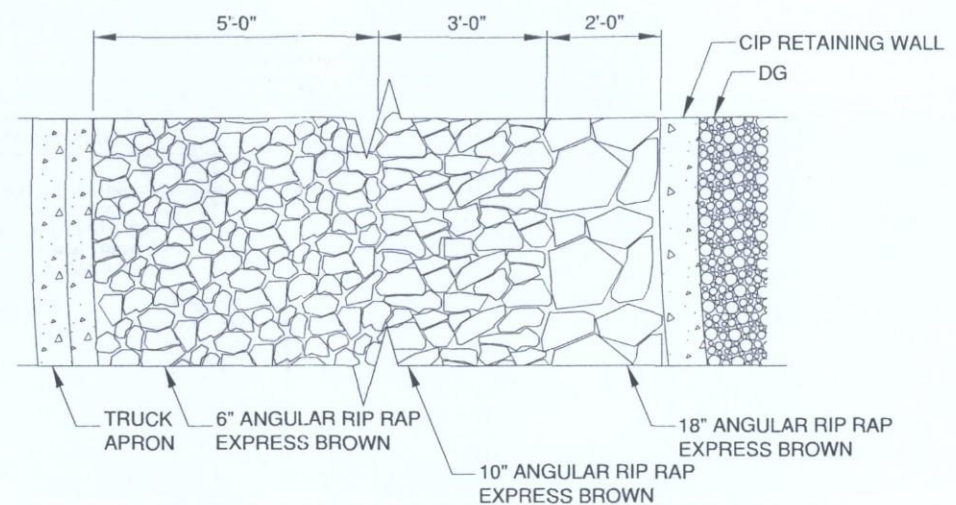
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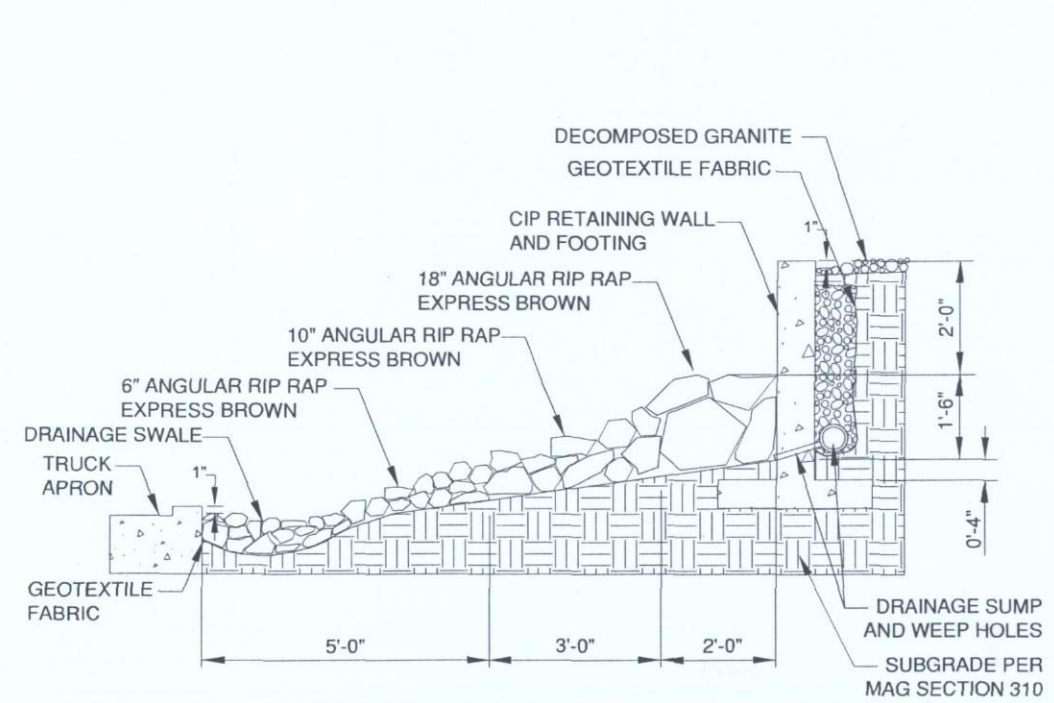
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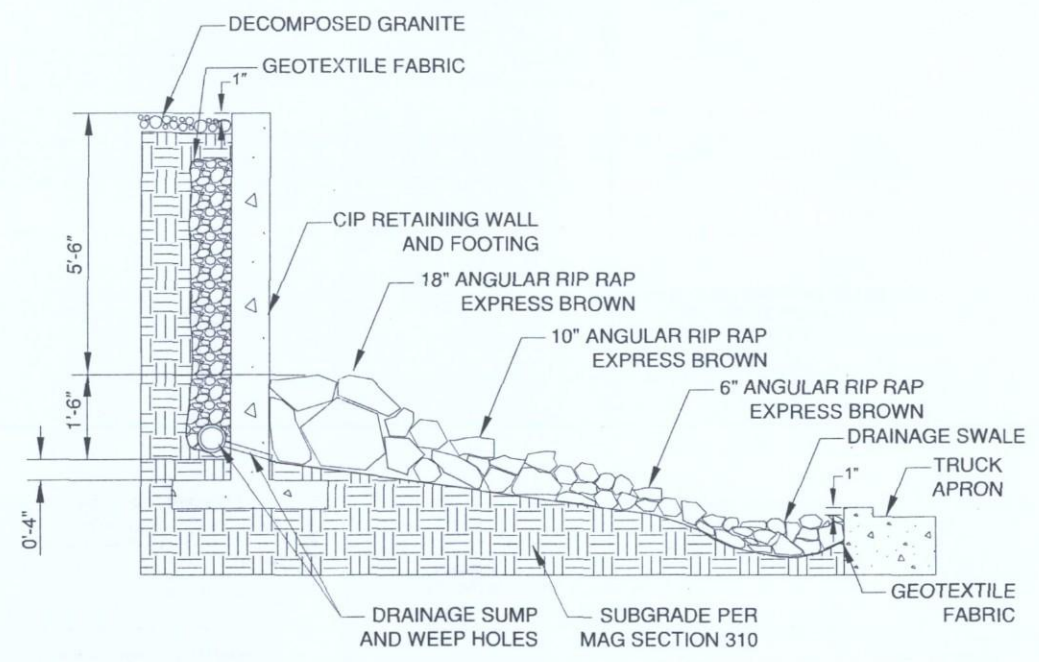
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**13 ROUNDABOUT RIP RAP PLAN VIEW DETAIL**  
 SCALE: NTS



**14 ROUNDABOUT RIP RAP SECTION DETAIL**  
 SCALE: NTS




SCALE: NTS

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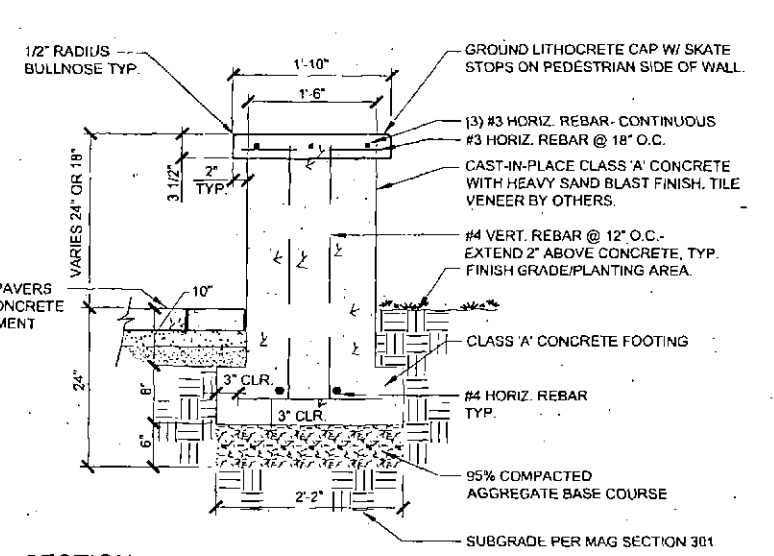
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**2/17/2015**

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SHEET TITLE		
<b>LANDSCAPE DETAILS</b>		
PROJECT TITLE		
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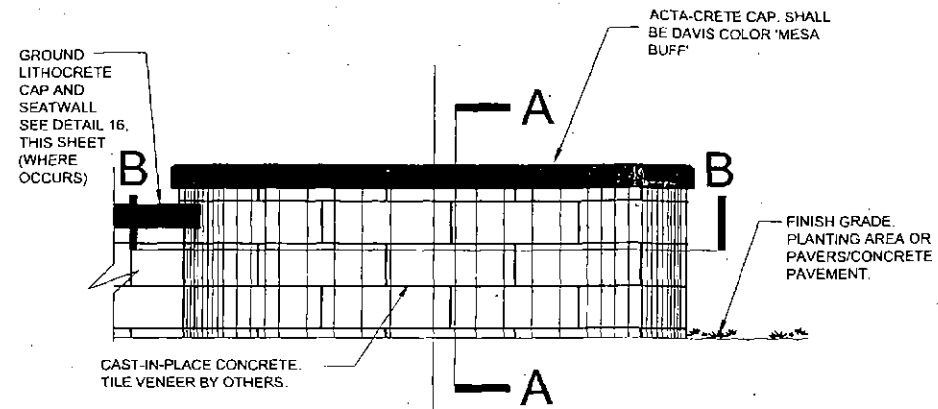


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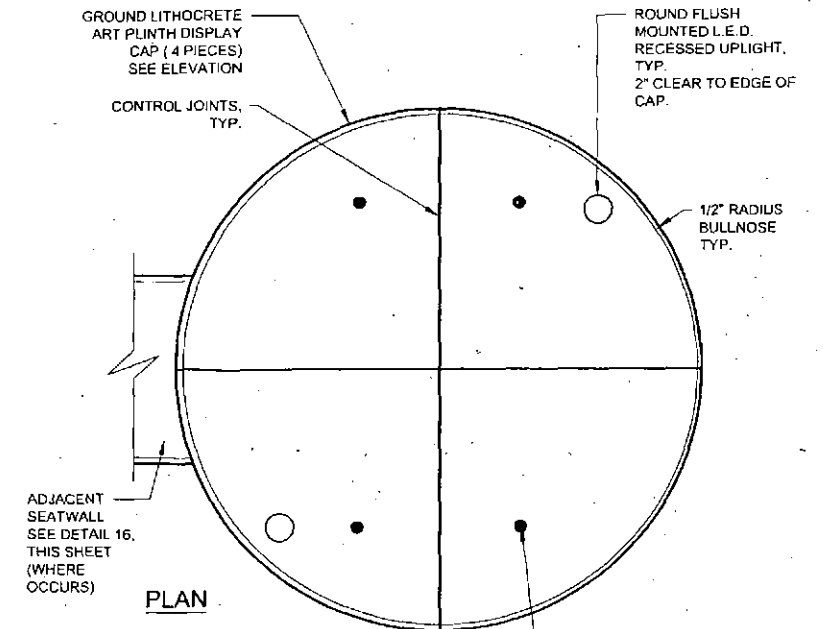
NOTES:  
 1. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF GROUND LITHOCRETE CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.  
 2. SEE DETAIL 17, THIS SHEET FOR SKATE STOPS.



**ELEVATION**

NOTES:  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

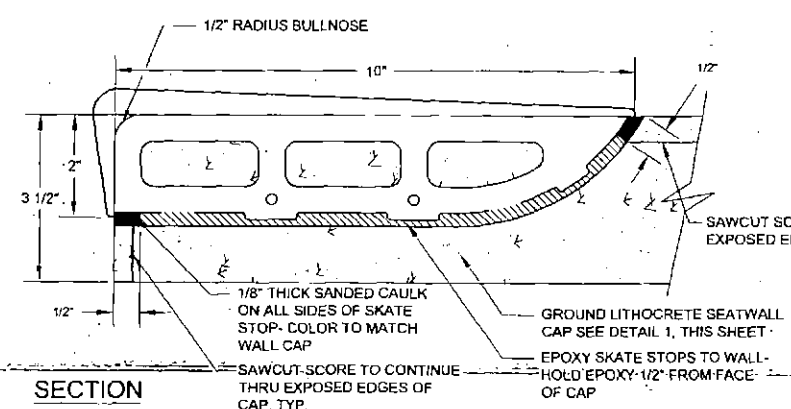
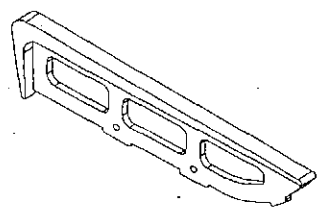
NOTE:  
 1. ART PLINTH SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALT, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375  
 3. (4) SKATE STOPS SHALL BE 2'-6" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.



**PLAN**

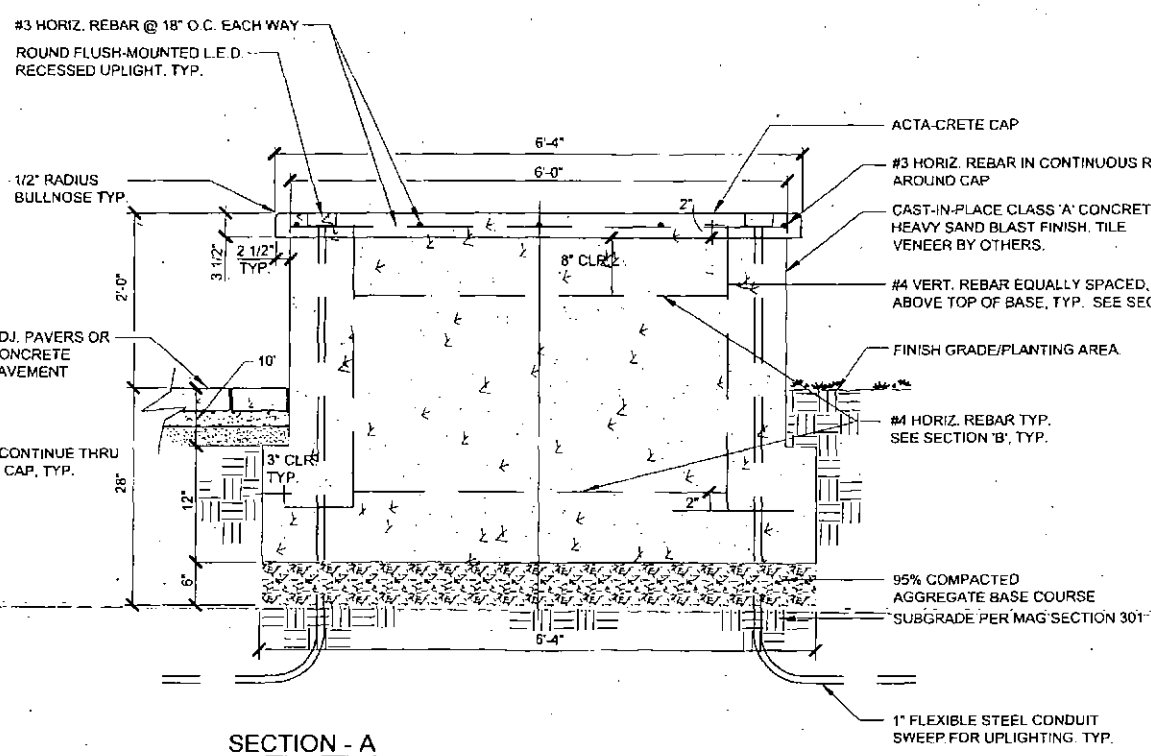
**16 SEATWALL (18" OR 24")**

SCALE: NTS

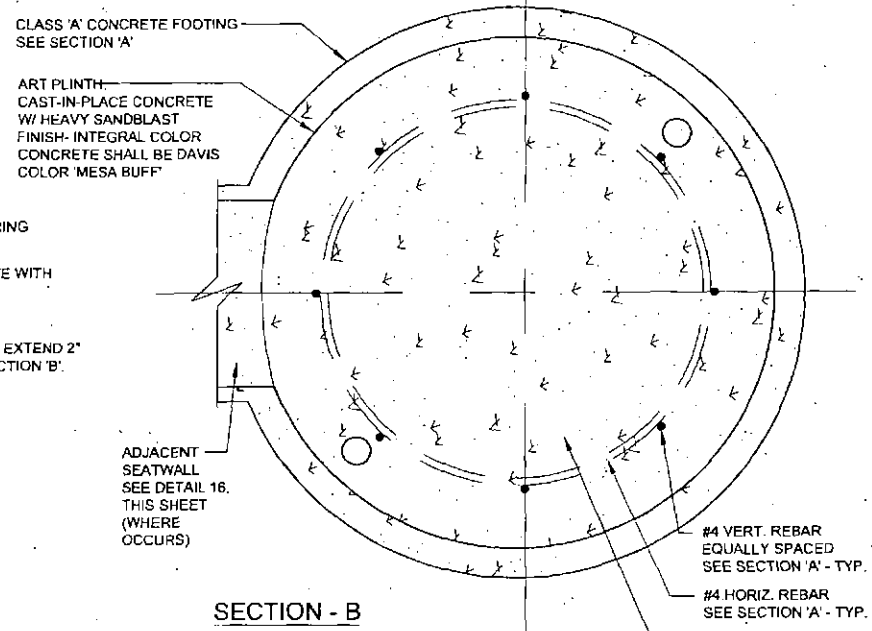


**SECTION**

NOTE:  
 1. INSTALL CAST BRONZE SKATE STOPS PER MANUFACTURER'S INSTRUCTIONS.  
 2. CONTRACTOR TO PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE INSTALLATION OF SKATE STOPS.  
 3. COLOR SHALL BE 'BROWN PATINA'.  
 4. SKATE STOPS SHALL BE CAST BRONZE 'BEAR SERIES' AS MANUFACTURED BY 'SKATESTOPPERS' 1-619-447-6374.  
 5. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S. REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 6. SEATWALL SKATE STOP SHALL BE PART OF THE SEATWALL CONSTRUCTED MOCK-UP.



**SECTION - A**



**SECTION - B**

**17 SEATWALL SKATE STOPS**

SCALE: NTS

**18 6' DIAMETER CONCRETE ART PLINTH**

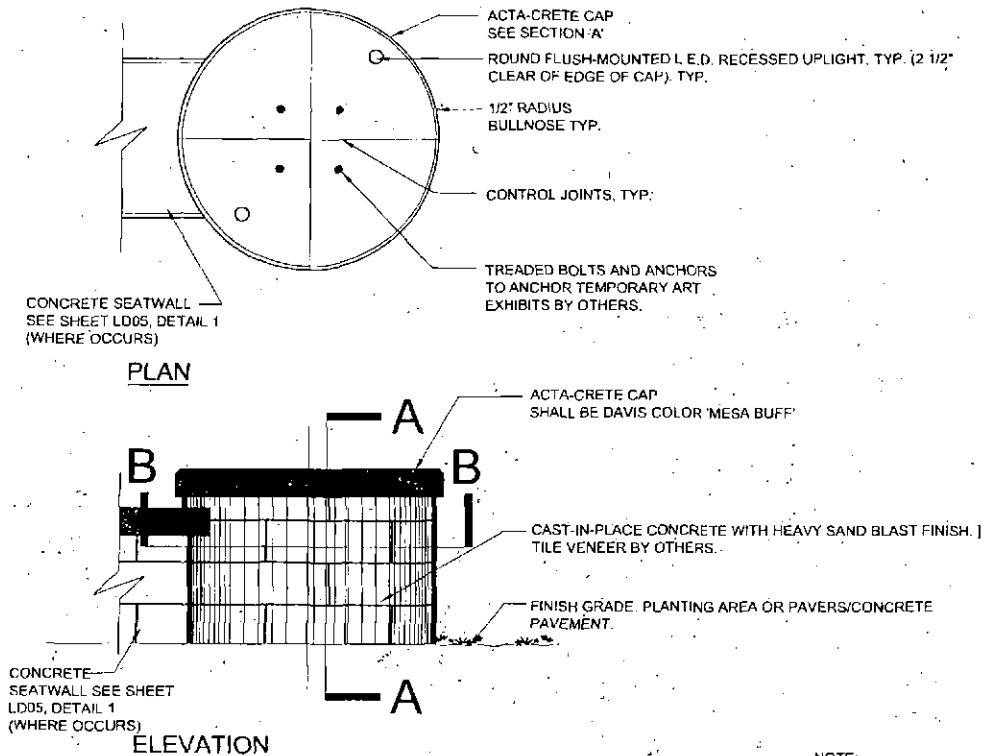
SCALE: NTS

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 CALL THE WORKING DATES BEFORE YOU DIE!  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

DATE	REVISION	By
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
LANDSCAPE DETAILS		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ.	RC/DD	06/14
VERT.	AS-BUILT	AS-BUILT
	DRAWN	PROJECT NO.
	J2CAD	S1103
		SHT. LD05
		157 of 297

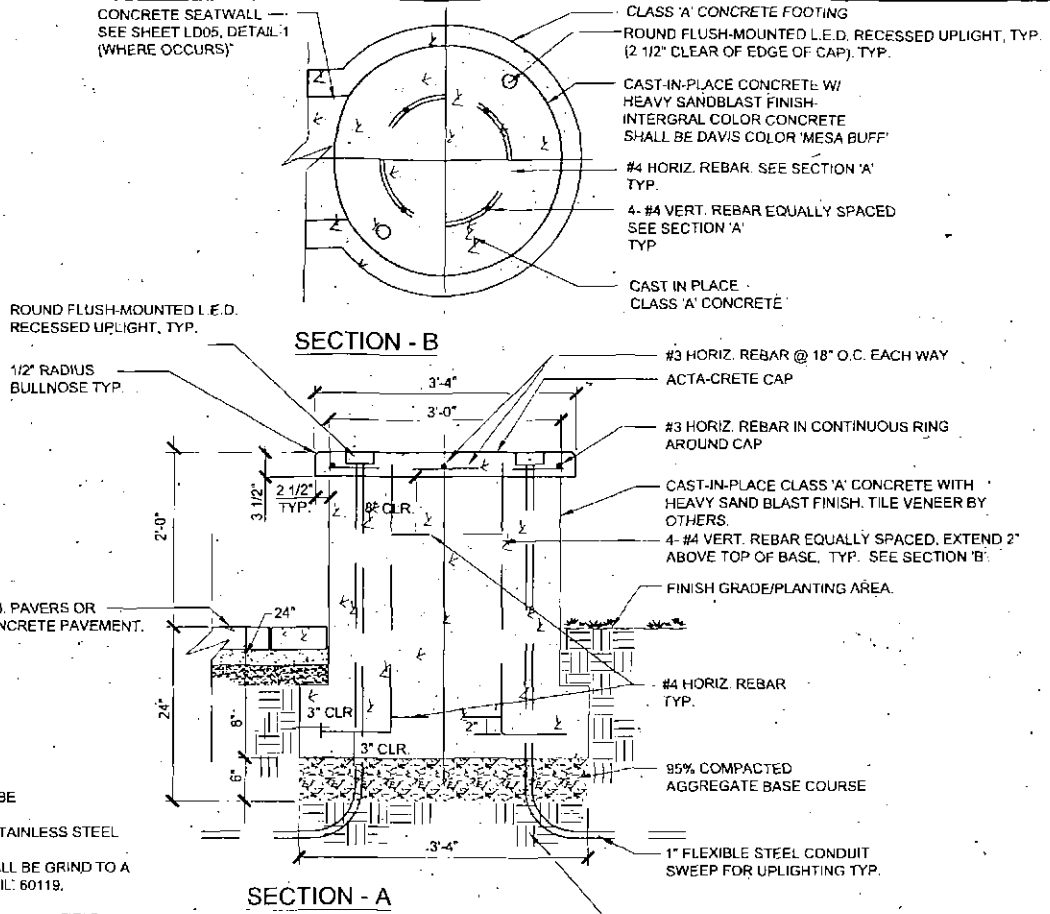


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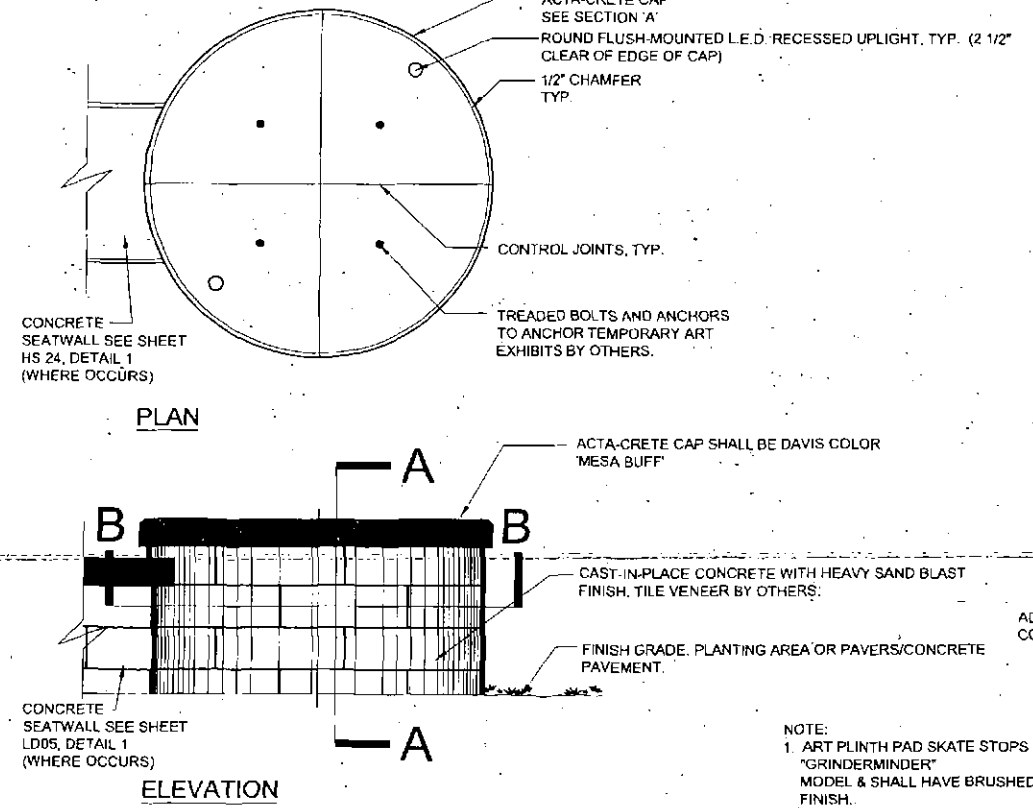


**NOTES:**  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

**NOTE:**  
 1. ART PLINTH SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH.  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALT, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375  
 3. (5) SKATE STOPS SHALL BE 2'-0" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.

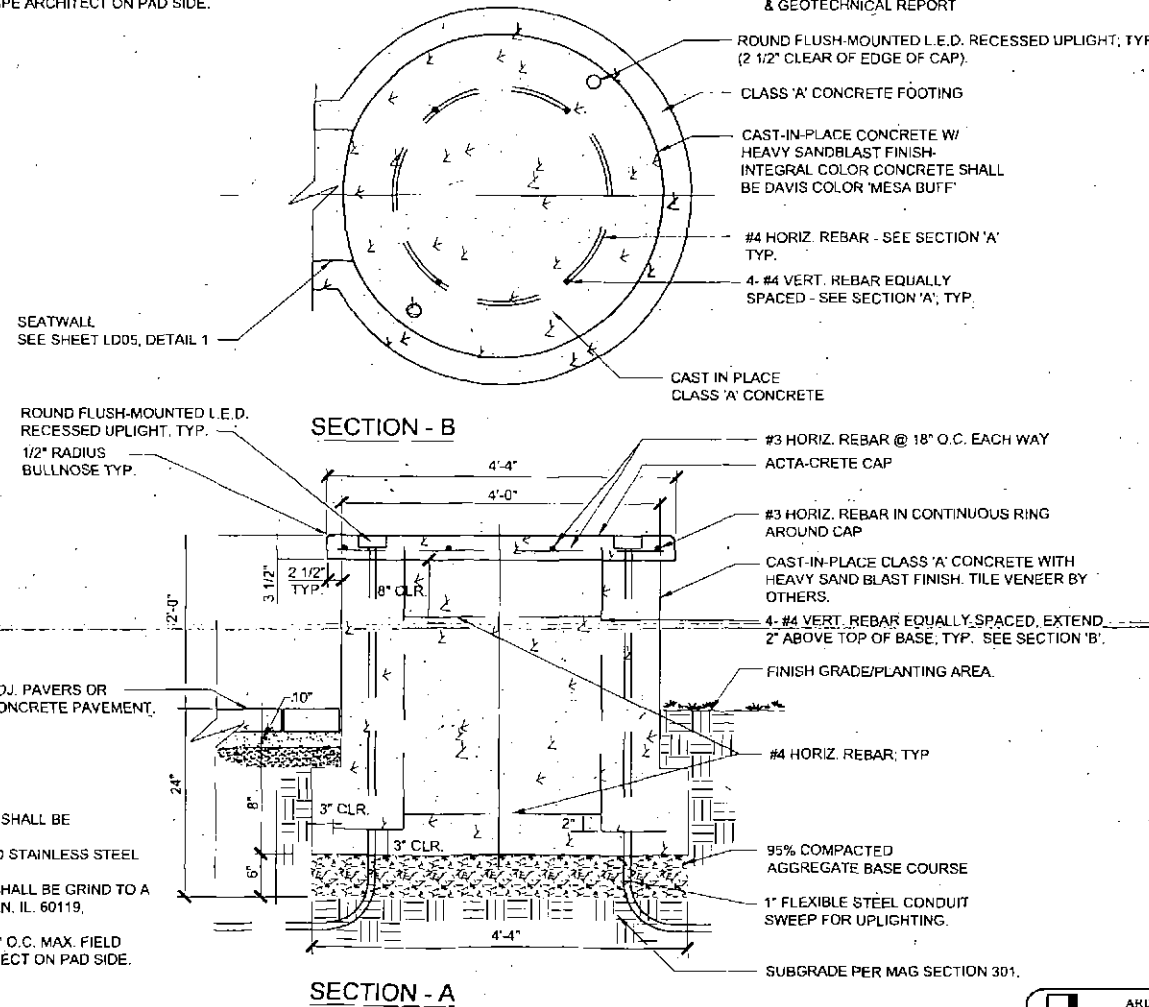


**19 3' DIAMETER CONCRETE ART PLINTH**  
 SCALE: NTS




**NOTES:**  
 1. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.  
 2. CONTRACTOR SHALL PROVIDE CONSTRUCTED MOCK-UP OF CAP & CONCRETE WALL FOR REVIEW & APPROVAL BY C.O.S REPRESENTATIVE & LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

**NOTE:**  
 1. ART PLINTH PAD SKATE STOPS SHALL BE "GRINDERMINDER" MODEL & SHALL HAVE BRUSHED STAINLESS STEEL FINISH.  
 2. SKATE STOP MANUFACTURER SHALL BE GRIND TO A HALT, INC., P.O. BOX 221, ELBURN, IL. 60119, 1-630-365-2375  
 3. (5) SKATE STOPS SHALL BE 2'-6" O.C. MAX. FIELD LOCATE W/ LANDSCAPE ARCHITECT ON PAD SIDE.



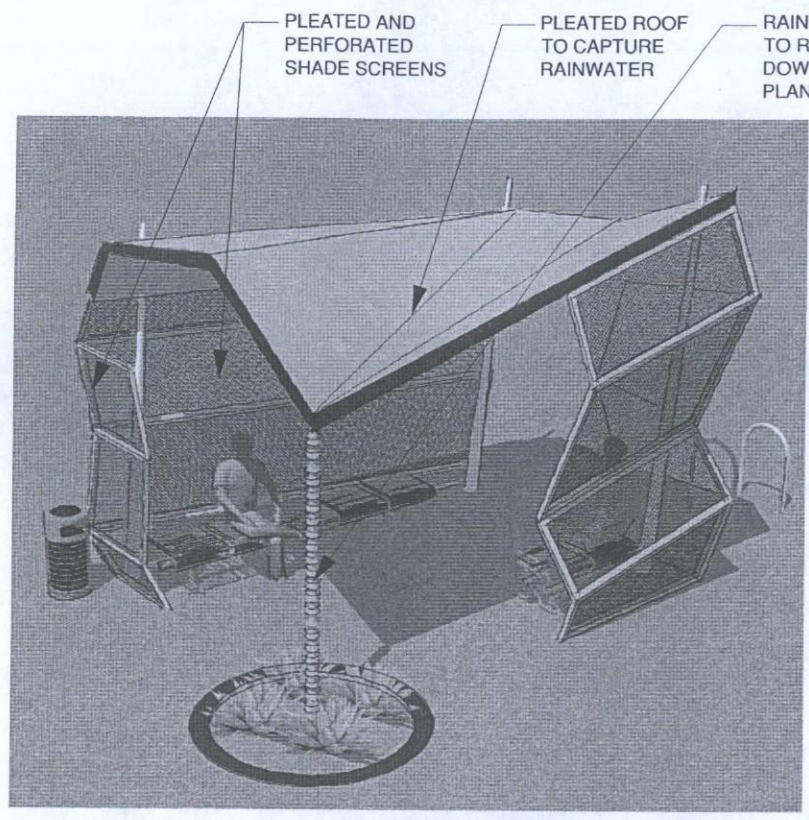
**20 4' DIAMETER CONCRETE ART PLINTH**  
 SCALE: NTS

ARIZONA BLUE STAKE  
 CALL THE MEASURING DATE BEFORE YOU DIG  
 Dial 811 OR 602-263-1100  
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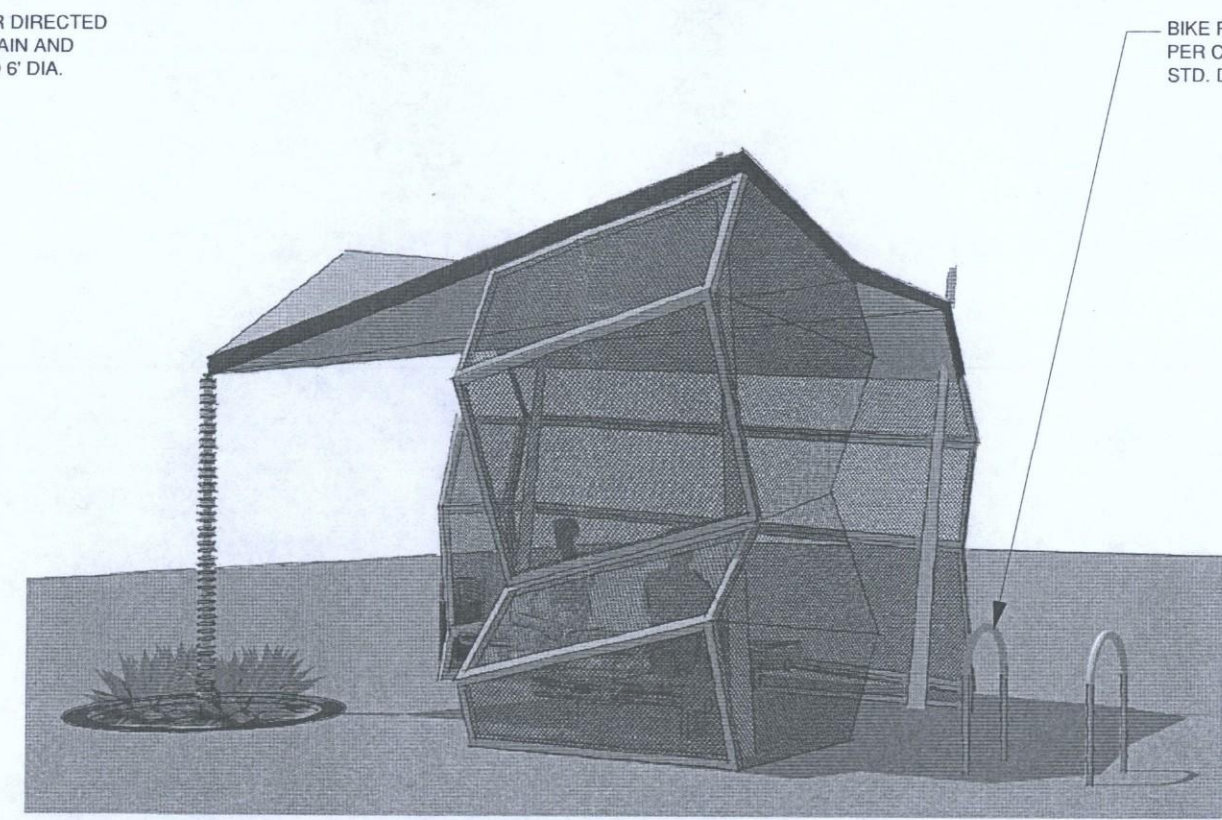
DATE	REVISION	BY
ENGINEER	PRELIMINARY	
	<b>30%</b>	
	NOT FOR CONSTRUCTION OR RECORDING	
 <b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b> <small>7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</small>		
<b>LANDSCAPE DETAILS</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DATE	DWG NO.
HORIZ. RC/DD	06/14	LD06
VERT. J2CAD	AS-BUILT	158 OF 297
SHEET TITLE		PROJECT NO.
		SJ103



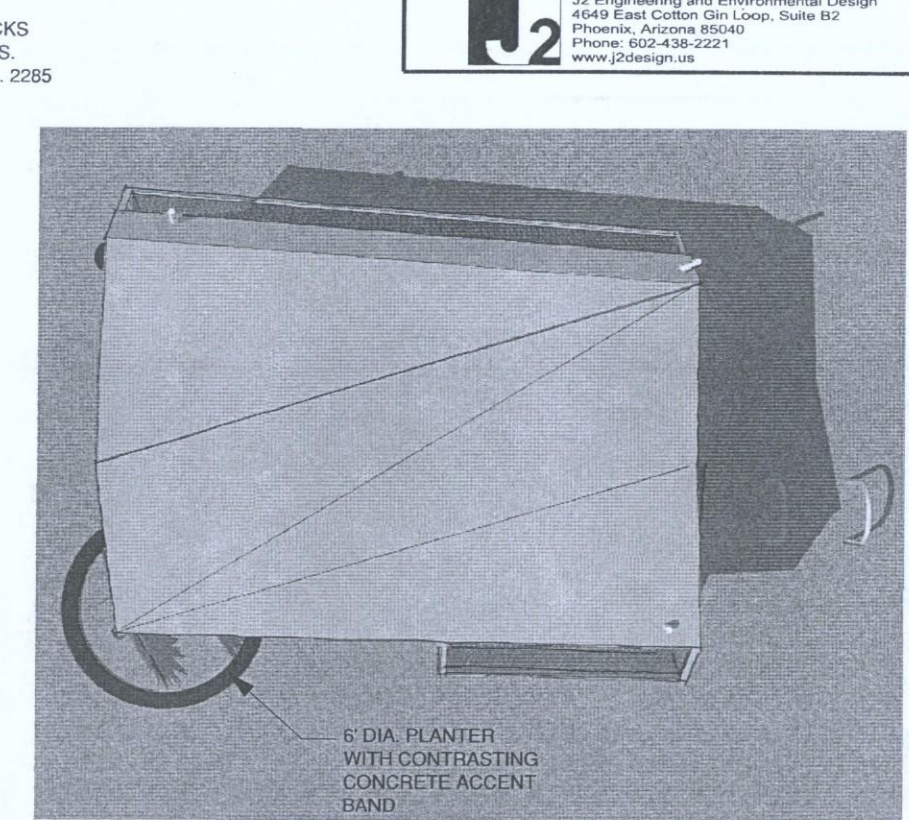
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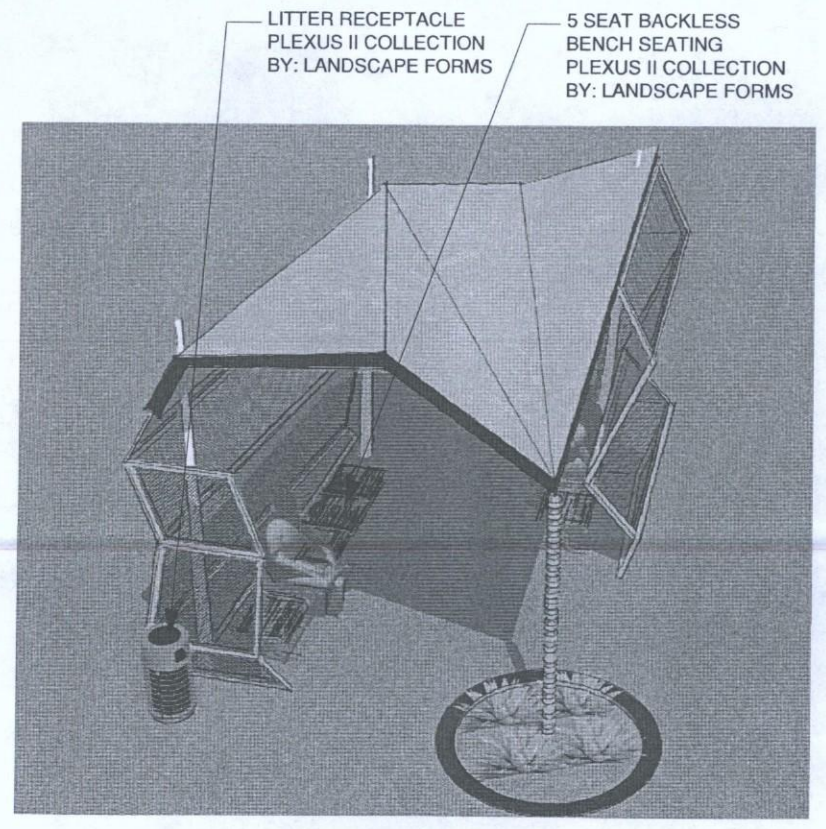
**21** PROPOSED BUS STOP - BIRD'S EYE  
 SCALE: NTS



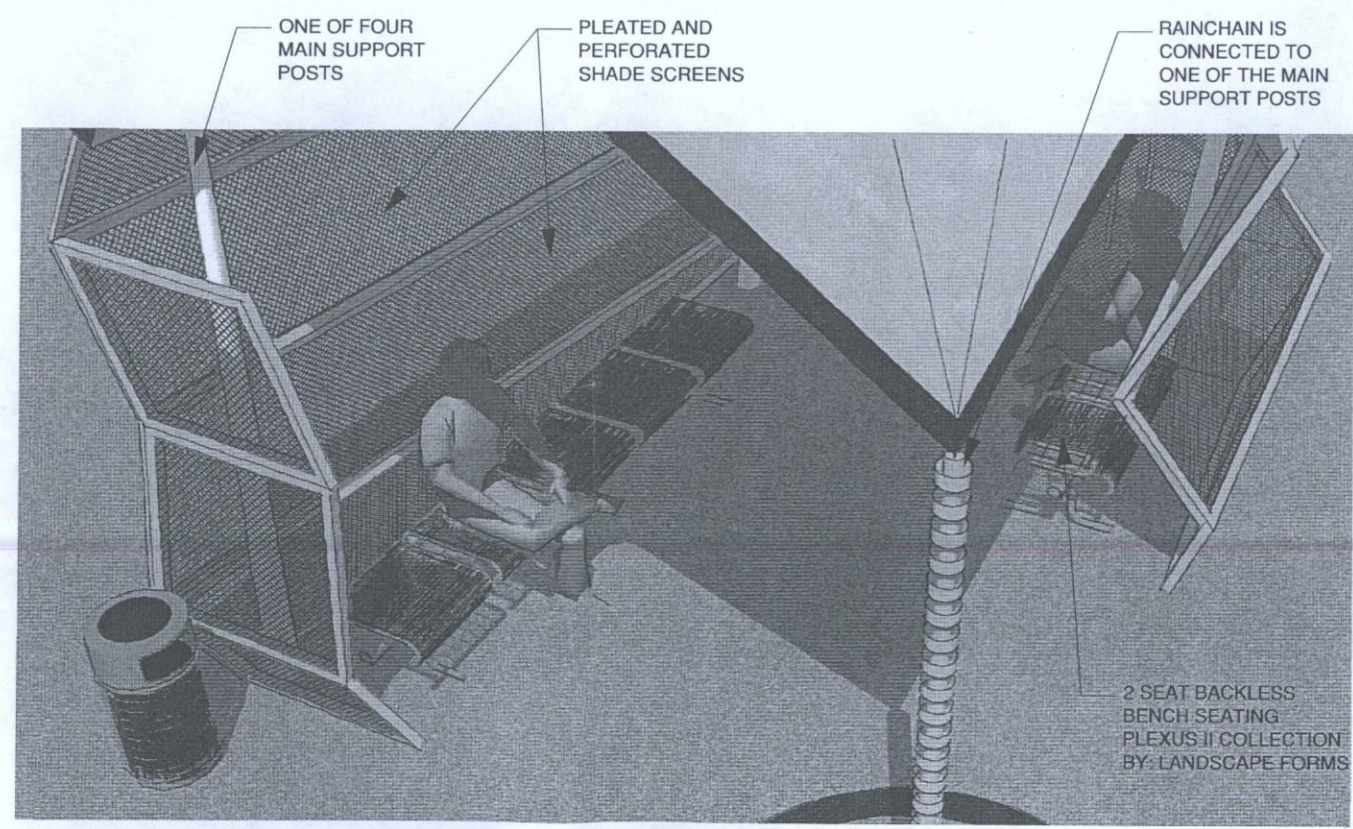
**22** PROPOSED BUS STOP - PERSPECTIVE  
 SCALE: NTS



**23** PROPOSED BUS STOP - PLAN VIEW  
 SCALE: NTS



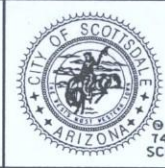
**24** PROPOSED BUS STOP - BIRD'S EYE  
 SCALE: NTS



**25** PROPOSED BUS STOP - DETAILED VIEW  
 SCALE: NTS

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**ARIZONA BLUE STAKE**  
 CALL TWO WORKING DAYS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE MARICOPA COUNTY)

DATE	REVISION	BY
ENGINEER		
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b> <small>1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</small>
SHEET TITLE		
<b>BUS SHELTER CONCEPTS</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ.	RC/DD	06/14
VERT. -	DRAWN	AS-BUILT
	J2CAD	
PROJECT NO.		SHT.
S1103		LD07
		159 of 297

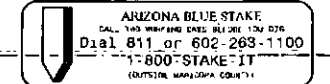


**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	465
2 Remove Exst AC Pavement	SY	924
4 Remove Exst Curb & Gutter	LF	213
5 Remove Exst Sidewalk	SF	1,405

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	730
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	188
4 Construct Single Curb per MAG Std DII 222, Type A	LF	594
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	1,506
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
18 Install Bike Ramp per DII on Sheet XXX	EA	2
L Refer to Landscape Plans for All Landscapes (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE: REVISION: BY:

ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
 CAPITAL PROJECT MANAGEMENT

7447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAINTREE DRIVE STA 12+00 TO STA 16+00**

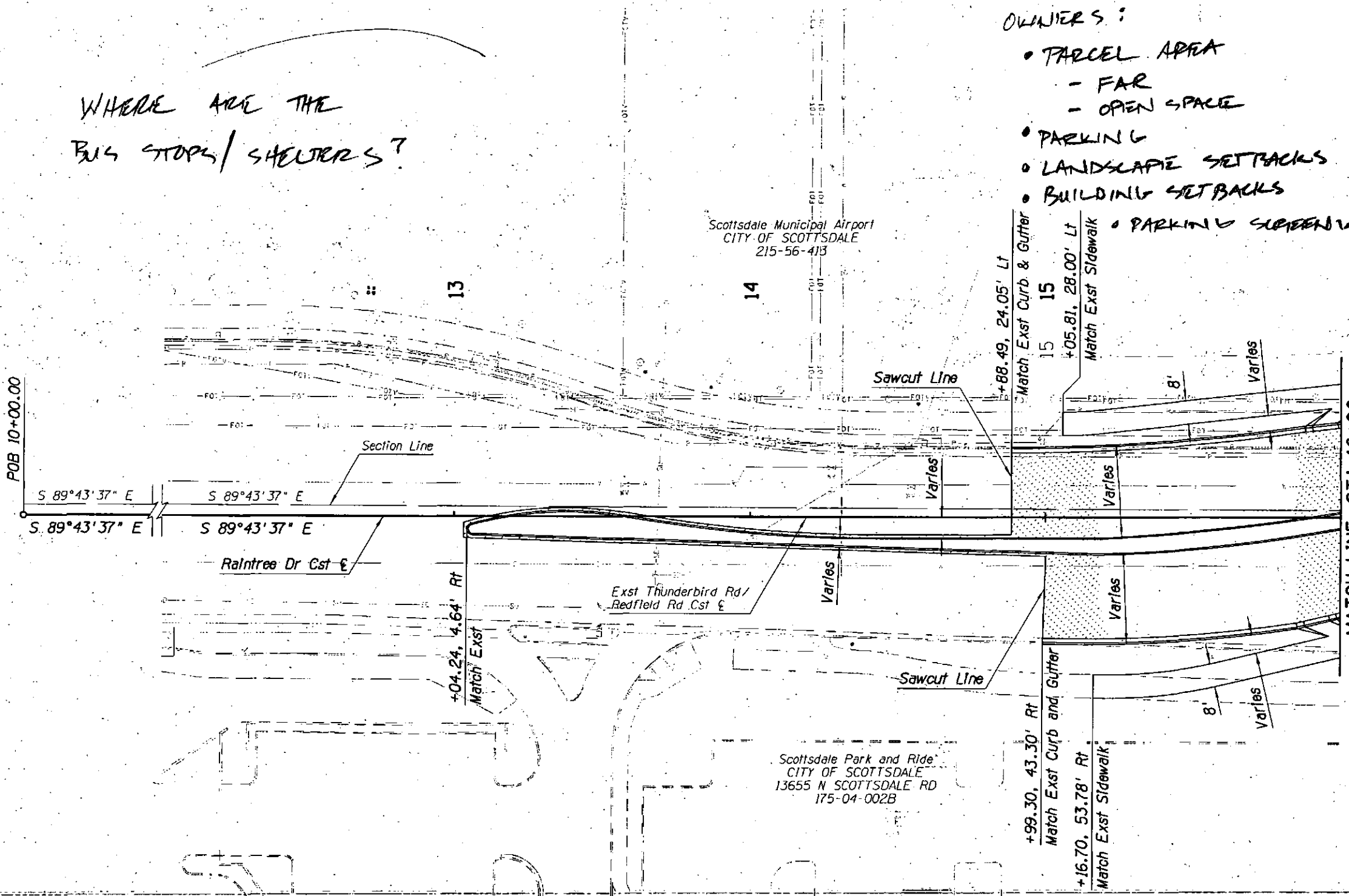
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HORIZ. 1"=20'	DRAWN: WBE	AS-BUILT	PROJECT NO. S1103	15 of 297
VERT. XX				

**IMPACT ON PRIVATE PROPERTY OWNERS:**

- PARCEL AREA
  - FAR
  - OPEN SPACE
- PARKING
- LANDSCAPE SETBACKS
- BUILDING SETBACKS
- PARKING SCREEN WALLS



WHERE ARE THE BUS STOPS/SHELTERS?

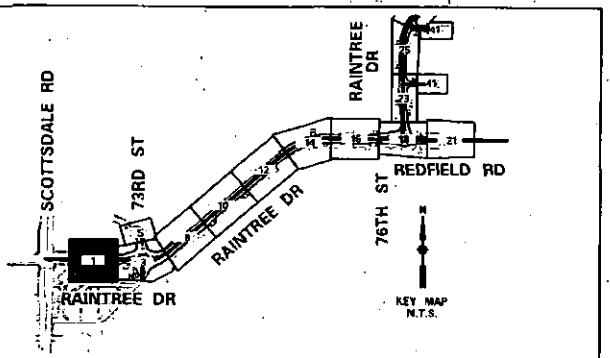


Scottsdale Park and Ride  
 CITY OF SCOTTSDALE  
 13655 N SCOTTSDALE RD  
 175-04-002B

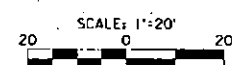
Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



4-DR-2015  
 2/17/2015



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**NOTES:**

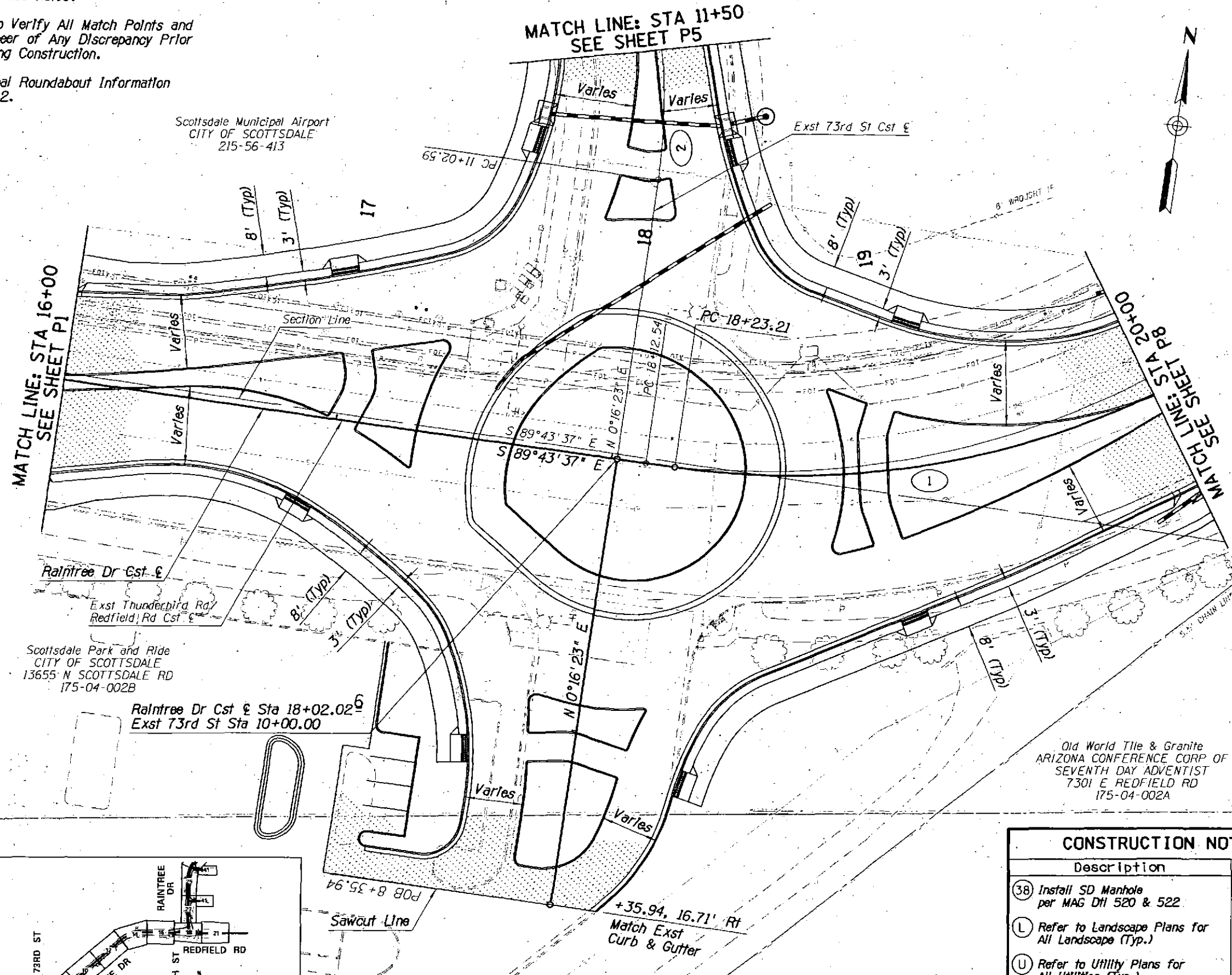
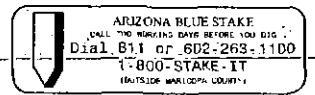
1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R2.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	195
2 Remove Exst AC Pavement	SY	4,980
4 Remove Exst Curb & Gutter	LF	974
5 Remove Exst Sidewalk	SF	6,755
6 Remove Exst Single Curb	LF	174
7 Remove Exst Valley Gutter	SF	1,545
8 Remove Exst Sidewalk Ramp	EA	6
9 Remove Exst Catch Basin	EA	4
12 Remove Exst Traffic Equipment	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	3,999
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	995
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	1,578
5 Construct Curb & Gutter per MAG Std Dtl 220-1, Type C	LF	343
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	8
10 Install Detectable Warning Surface per COS Std Dtl 2231	EA	8
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	6,985
13 Construct 4" Concrete Pavement	SY	546
18 Install Bike Ramp per Dtl on Sheet XXX	EA	1
19 Install Survey Marker per COS Std Dtl 2120, Type D	EA	3
26 Construct Catch Basin per MAG Dtl 532	EA	2
34 Install 18" RGRC	LF	188
36 Construct 18" Slotted Drain per ADOT Std Dtl C-13.60	LF	15



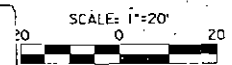
Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

Scottsdale Park and Ride  
 CITY OF SCOTTSDALE  
 13655 N SCOTTSDALE RD  
 175-04-002B

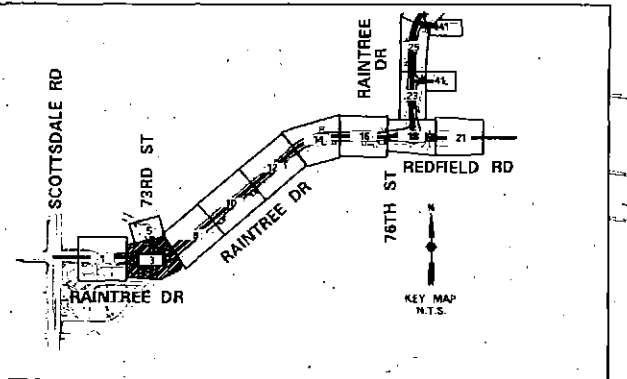
Old World Tile & Granite  
 ARIZONA CONFERENCE CORP OF  
 SEVENTH DAY ADVENTIST  
 7301 E REDFIELD RD  
 175-04-002A

CONSTRUCTION NOTES		
Description	Unit	Quan
38 Install SD Manhole per MAG Dtl 520 & 522	EA	1
L Refer to Landscape Plans for All Landscapes (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
1	19+35.26	300.00'	40°57'33"	214.46'	19°05'55"	112.04'
2	12+27.46	200.00'	63°57'32"	223.26'	28°38'52"	124.87'



**4-DR-2015**  
**2/17/2015**



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DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
<b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 16+00 TO STA 20+00</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	DRWN	AS-BUILT
	WBE	
		PROJ. NO.
		S1103
		SHT.
		P3
		17 OF 297



**NOTES:**

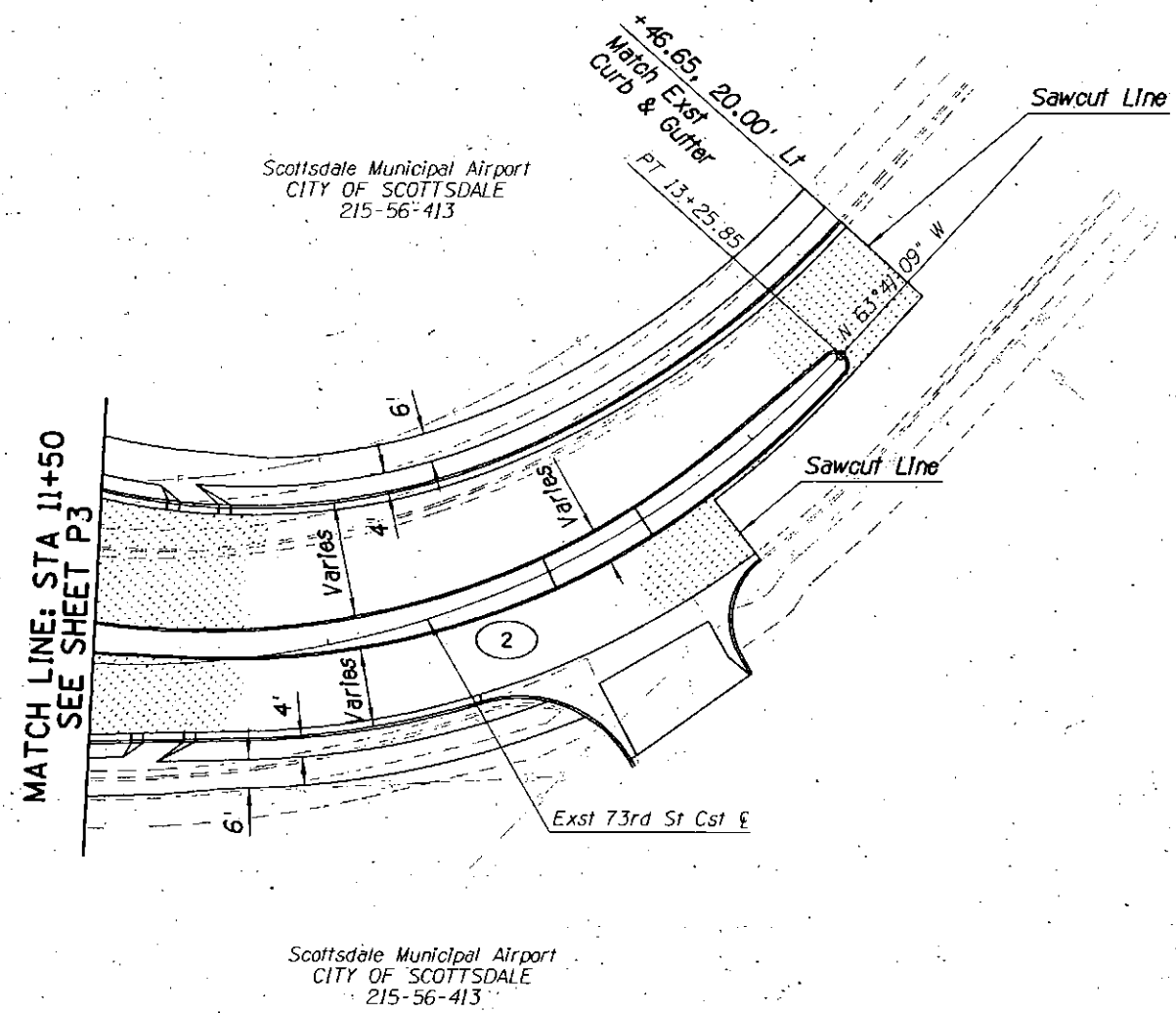
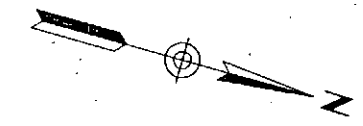
1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R2.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	109
2 Remove Exst AC Pavement	SY	833
4 Remove Exst Curb & Gutter	LF	260
5 Remove Exst Sidewalk	SF	1,674
7 Remove Exst Valley Gutter	SF	404
8 Remove Exst Sidewalk Ramp	EA	2

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	684
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	230
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	353
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	440
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	1,231
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	2
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	530
13 Construct 4" Concrete Pavement	SY	18
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	429
18 Install Bike Ramp per Dtl on Sheet XXX	EA	2
19 Install Survey Marker per COS Std Dtl 2120, Type D	EA	1
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

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 Dial 811 or 602-263-1100  
 1-800-STAKE-11  
 (OUTSIDE MARICOPA COUNTY)

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
 CAPITAL PROJECT MANAGEMENT

CITY OF SCOTTSDALE ARIZONA  
 7447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

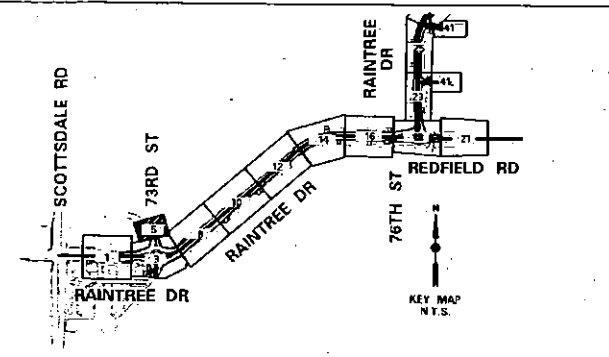
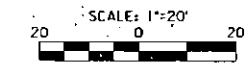
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PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

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HORIZ. 1"=20'	DRAWN: WBE	AS-BUILT	PROJECT NO. 51103	19 of 297
VERT. XX				

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
2	12+27.46	200.00'	63°57'32"	223.26	28°38'52"	124.87'



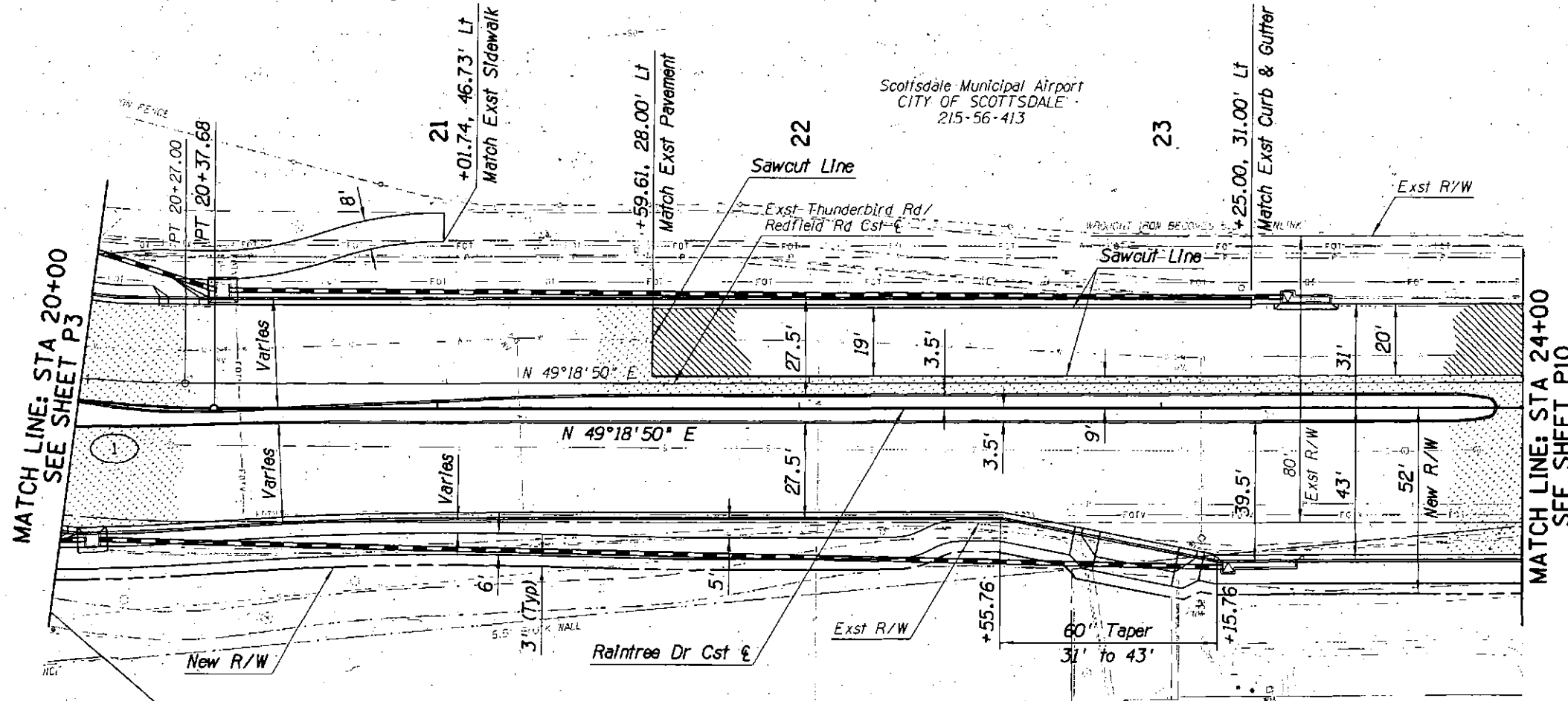
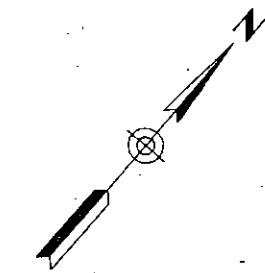
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**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

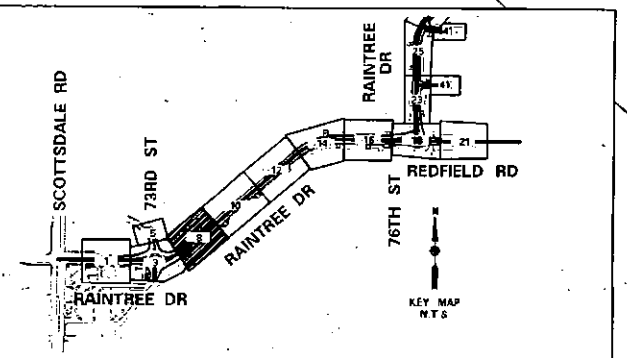


Old World Tile & Granite  
ARIZONA CONFERENCE CORP OF  
SEVENTH DAY ADVENTIST  
7301 E REDFIELD RD  
175-04-002A

ARIZONA CONFERENCE CORP OF  
SEVENTH DAY ADVENTIST  
215-56-333

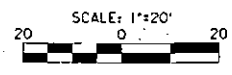
CITY OF SCOTTSDALE  
7535 E REDFIELD RD  
215-56-334

Scottsdale Municipal Airport  
CITY OF SCOTTSDALE  
215-56-413



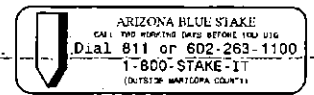
CONSTRUCTION NOTES		
	Unit	Quan
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
1	19+35.26	300.00'	40°57'33"	214.46'	19°05'55"	112.04'



REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	434
2 Remove Exst AC Pavement	SY	2,774
4 Remove Exst Curb & Gutter	LF	723
5 Remove Exst Sidewalk	SF	3,896
9 Remove Exst Catch Basin	EA	2
11 Remove Exst Concrete Driveway	SF	147
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	516

CONSTRUCTION NOTES		
	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,910
2 Construct AC Structural Section No. 2	SY	516
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	673
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	789
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	2,797
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	303
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	390
18 Install Bike Ramp per Dtl on Sheet XXX	EA	1
19 Install Survey Marker per COS Std Dtl 2120, Type D	EA	1
26 Construct Catch Basin per MAG Dtl 532	EA	2
29 Construct Catch Basin per COP Dtl P1569, L=10'	EA	1
34 Install 18" RGRCP	LF	645
43 Construct Catch Basin per COP Dtl P1569, L=17'	EA	1



DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
PUBLIC WORKS		CAPITAL PROJECT MANAGEMENT
SHEET TITLE <b>PLAN SHEET RAINTREE DRIVE STA 20+00 TO STA 24+00</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MDB DRAWN WBE	DATE 06/14 AS-BUILT PROJECT NO. S1103
	BID NO.	SHT. PB 22 of 297



**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.


**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	530
2 Remove Exst AC Pavement	SY	1,630
4 Remove Exst Curb & Gutter	LF	290
5 Remove Exst Sidewalk	SF	3,491
7 Remove Exst Valley Gutter	SF	1,033
8 Remove Exst Sidewalk Ramp	EA	4
10 Remove Exst Wall	LF	69
14 Remove Exst AC Pavement (1/2" Milling)	SY	1,000

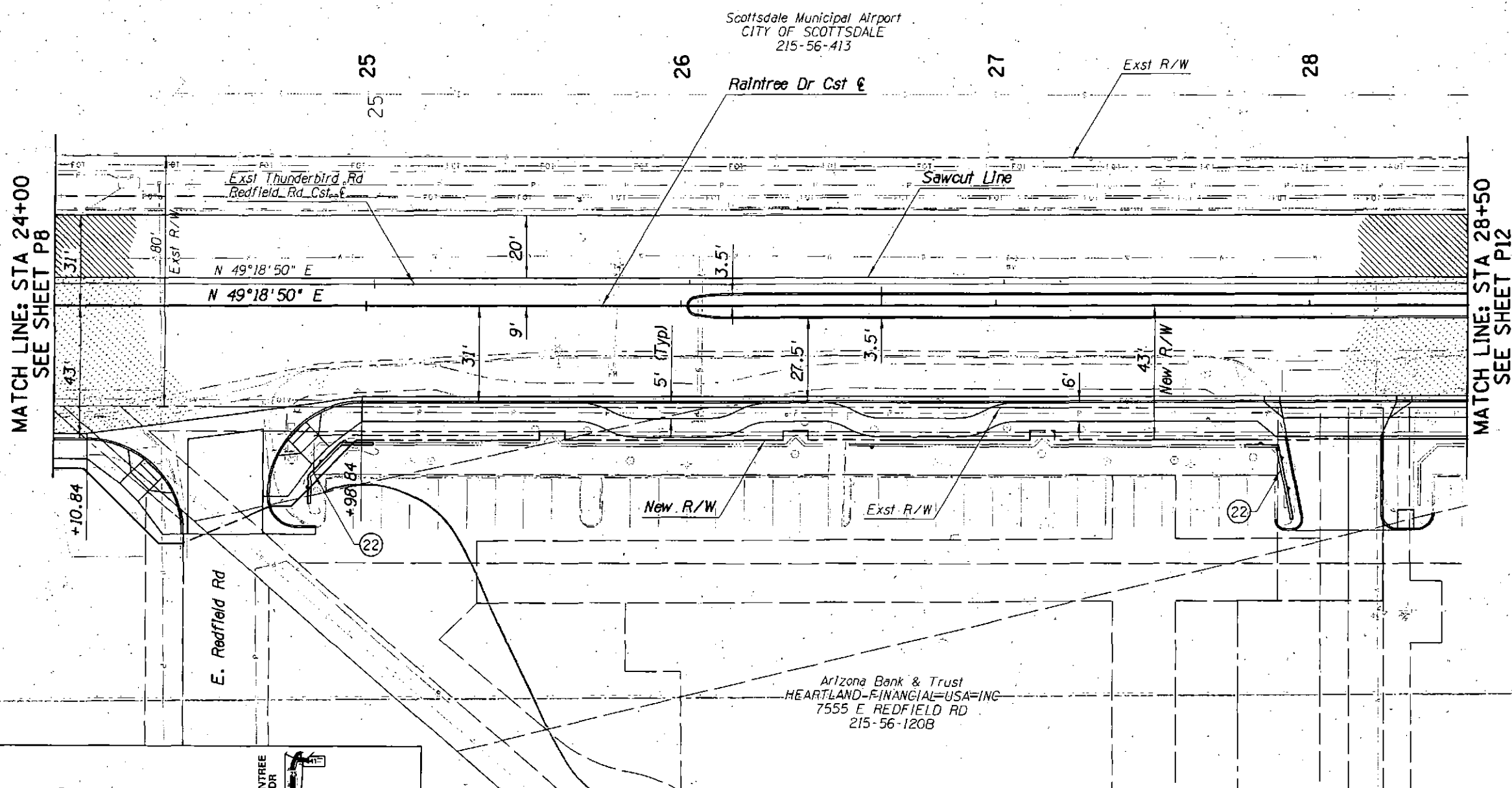
**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,755
2 Construct AC Structural Section No. 2	SY	1,000
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	316
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	498
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	796
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	2,010
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	2
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	1,982
22 Construct Retaining Wall	SF	276
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

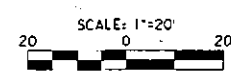
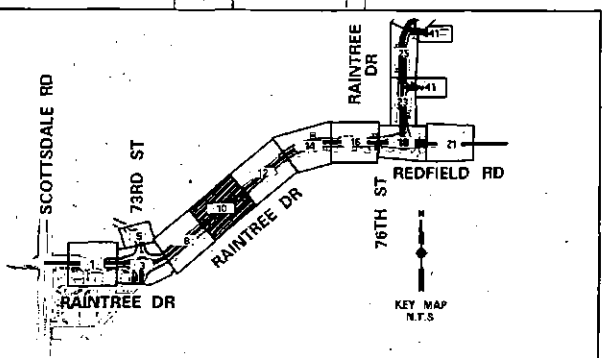
ARIZONA BLUE STAKE  
 CALL 700 HOURS DAILY BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1-800-STAKE-IT  
 (QUIETLY MARIQUA COUNTY)

DATE	REVISION	BY
PRELIMINARY	30%	
NOT FOR CONSTRUCTION OR RECORDING		
 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE <b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 24+00 TO STA 28+50</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	WBE	AS-BUILT
BID NO.	SHT.	
51103	P10	
PROJECT NO.		
24 of 297		

DESIGN FILE: P:\A60281893\CAD\006\_Civil\Gweeta\acos177\_P25.dwg  
 PLOT DATE: 6/17/2014 3:23:23 PM



RETAINING WALL  
 ON PRIVATE PROPERTY





**NOTES:**

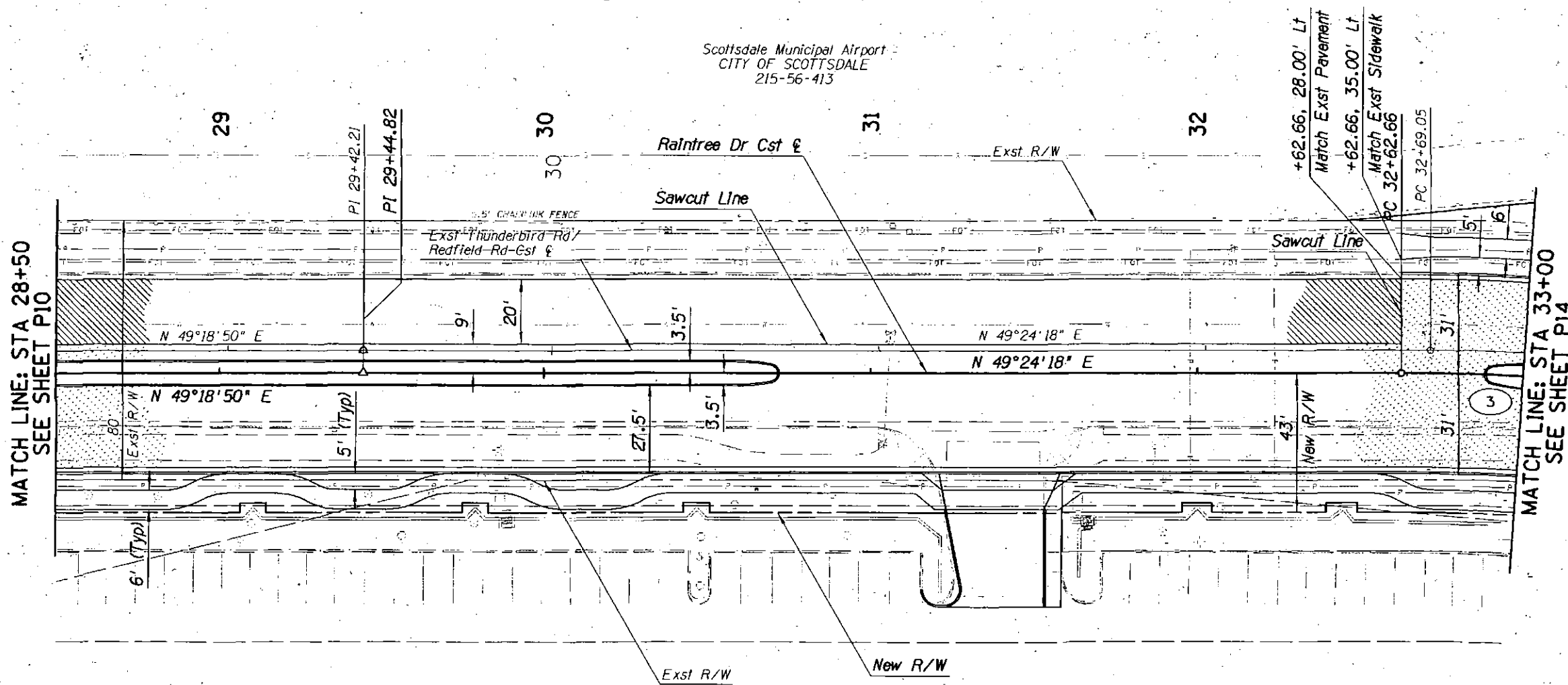
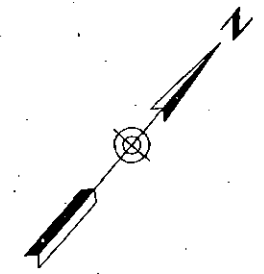
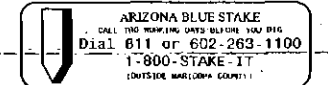
1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	472
2 Remove Exst AC Pavement	SY	1,446
4 Remove Exst Curb & Gutter	LF	424
5 Remove Exst Sidewalk	SF	3,684
7 Remove Exst Valley Gutter	SF	440
8 Remove Exst Sidewalk Ramp	EA	2
14 Remove Exst AC Pavement (1/2" Milling)	SY	917

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,779
2 Construct AC Structural Section No. 2	SY	917
3 Construct Vertical Curb & Gutter per MAG Std DH 220-1, Type A	LF	443
4 Construct Single Curb per MAG Std DH 222, Type A	LF	472
7 Construct Concrete Sidewalk per MAG Std DH 230	SF	2,768
11 Construct Median Nose Paving per COS Std DH 2226	EA	2
15 Construct Concrete Driveway per COS Std DH 2256	SF	1,215
19 Install Survey Marker per COS Std DH 2120, Type D	EA	2
(L) Refer to Landscape Plans for All Landscapes (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

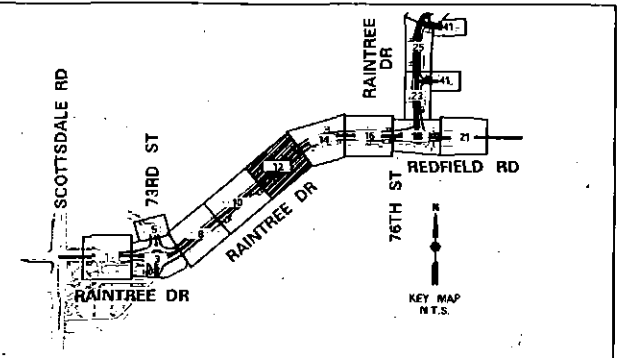
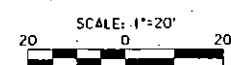


MATCH LINE: STA 28+50  
SEE SHEET P10

MATCH LINE: STA 33+00  
SEE SHEET P14

Thunderbird Airpark Center  
 7575 E REDFIELD LLC  
 7575 E REDFIELD RD  
 215-56-119, 215-56-120A

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
3	34+72.11	560.00'	41°00'45"	400.85	10°13'53"	209.45'



PLOT DATE: 6/17/2014 3:23:29 PM

DESIGN FILE: P:\0281893\CD\206\_Civil\Sheets\acos177\_P06.dgn

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
**CAPITAL PROJECT MANAGEMENT**

SCOTTSDALE, ARIZONA  
 1447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 28+50 TO STA 33+00**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20'	DESIGNED: MDG	DATE: 06/14	BID NO.:	SHT. P12
VERT. XX	DRAWN: WGE	AS-BUILT:	PROJECT NO. 31103	26 of 297



**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

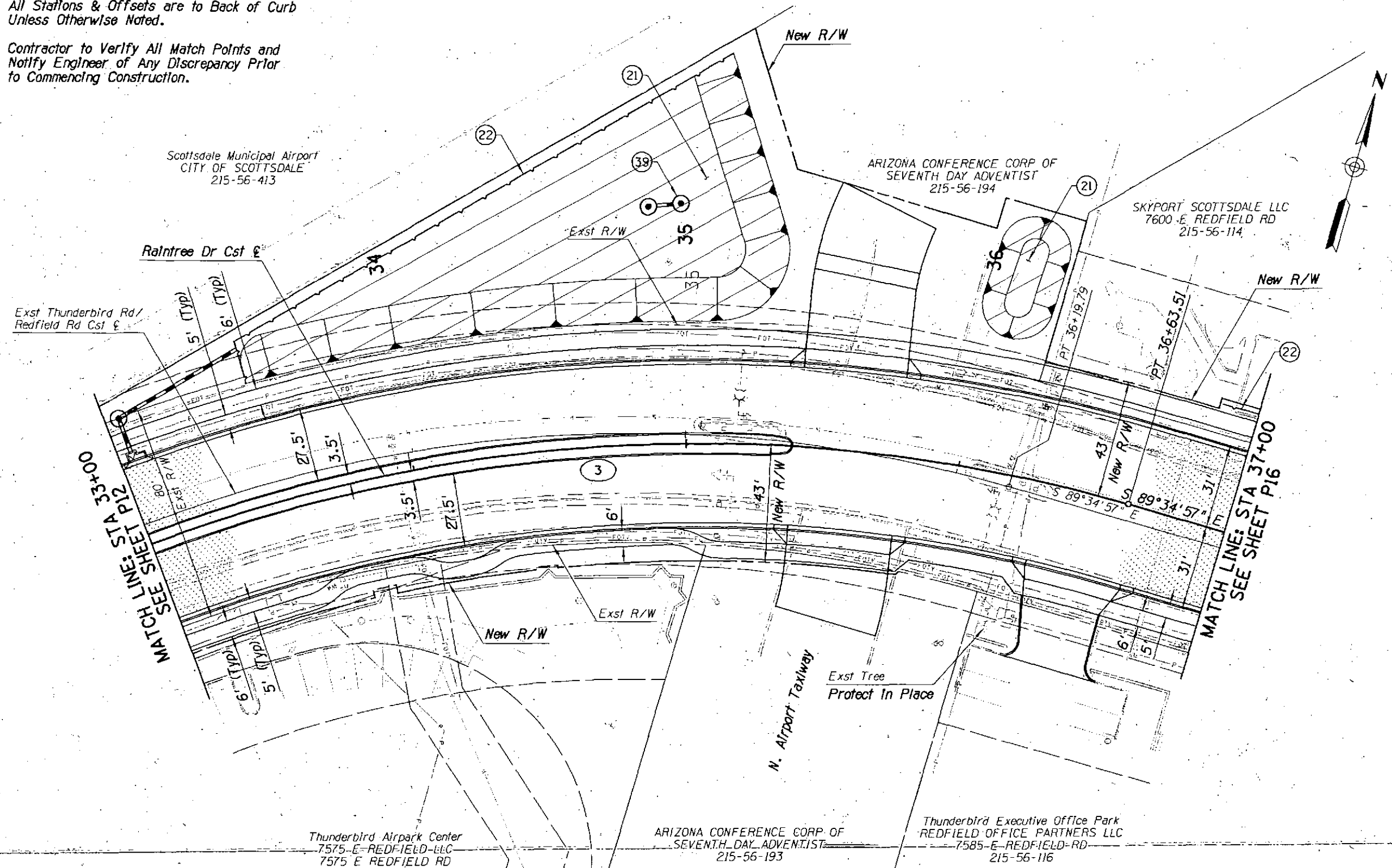
**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	113
2 Remove Exst AC Pavement	SY	2,509
4 Remove Exst Curb & Gutter	LF	937
5 Remove Exst Sidewalk	SF	5,543
8 Remove Exst Sidewalk Ramp	EA	4
10 Remove Exst Wall	LF	24
12 Remove Exst Traffic Equipment	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,368
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	659
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	479
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	228
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	4,214
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	4,364
19 Install Survey Marker per COS Std Dtl 2120, Type D	EA	1
21 Construct Retention Basin	EA	1
22 Construct Retaining Wall	SF	950
28 Construct Catch Basin per COP Dtl P1569, L=6'	EA	1
34 Install 18" RGRCP	LF	64
38 Install SD Manhole per MAG Dtl 520 & 522	EA	1
39 Install Drywell	EA	1
40 Connect Exst 1.5" PVC Discharge Pipe to Curb	EA	1

ARIZONA BLUE STAKE  
 CALL TWO HOURS BEFORE YOU DIG  
 Dial 811 or 602-263-1100  
 1"=800' STAKE-IT  
 (OUTSIDE ARIZONA CALL 11)



MATCH LINE: STA 33+00  
SEE SHEET P12

MATCH LINE: STA 37+00  
SEE SHEET P16

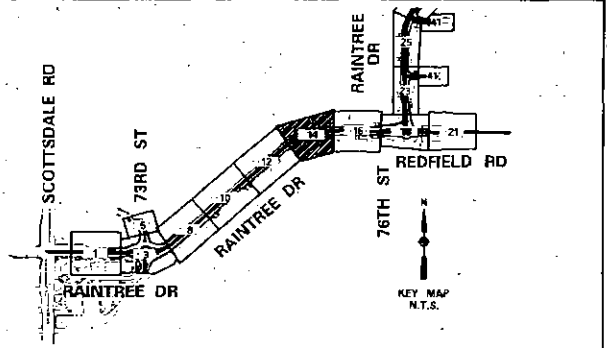
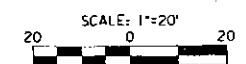
Thunderbird Airpark Center  
 7575-E-REDFIELD-LLC  
 7575 E REDFIELD RD  
 215-56-119, 215-56-120A

ARIZONA CONFERENCE CORP OF SEVENTH DAY ADVENTIST  
 215-56-193


Thunderbird Executive Office Park  
 REDFIELD OFFICE PARTNERS LLC  
 7585-E-REDFIELD-RD  
 215-56-116

CONSTRUCTION NOTES		
Description	Unit	Quan
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
3	34+72.11	560.00'	41°00'45"	400.85	10°13'53"	209.45'



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DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
<b>30%</b>	NOT FOR CONSTRUCTION OR RECORDING	
 CITY OF SCOTTSDALE, ARIZONA 7447 E. INDIAN SCHOOL RD., SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
PLAN SHEET RAIN TREE DRIVE STA 33+00 TO STA 37+00		
PROJECT TITLE		
RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DATE	BID NO.
HORIZ. 1"=20'	06/14	
VERT. XX	AS-BUILT	
	PROJECT NO.	SHT.
	S1103	P14
		28 OF 297



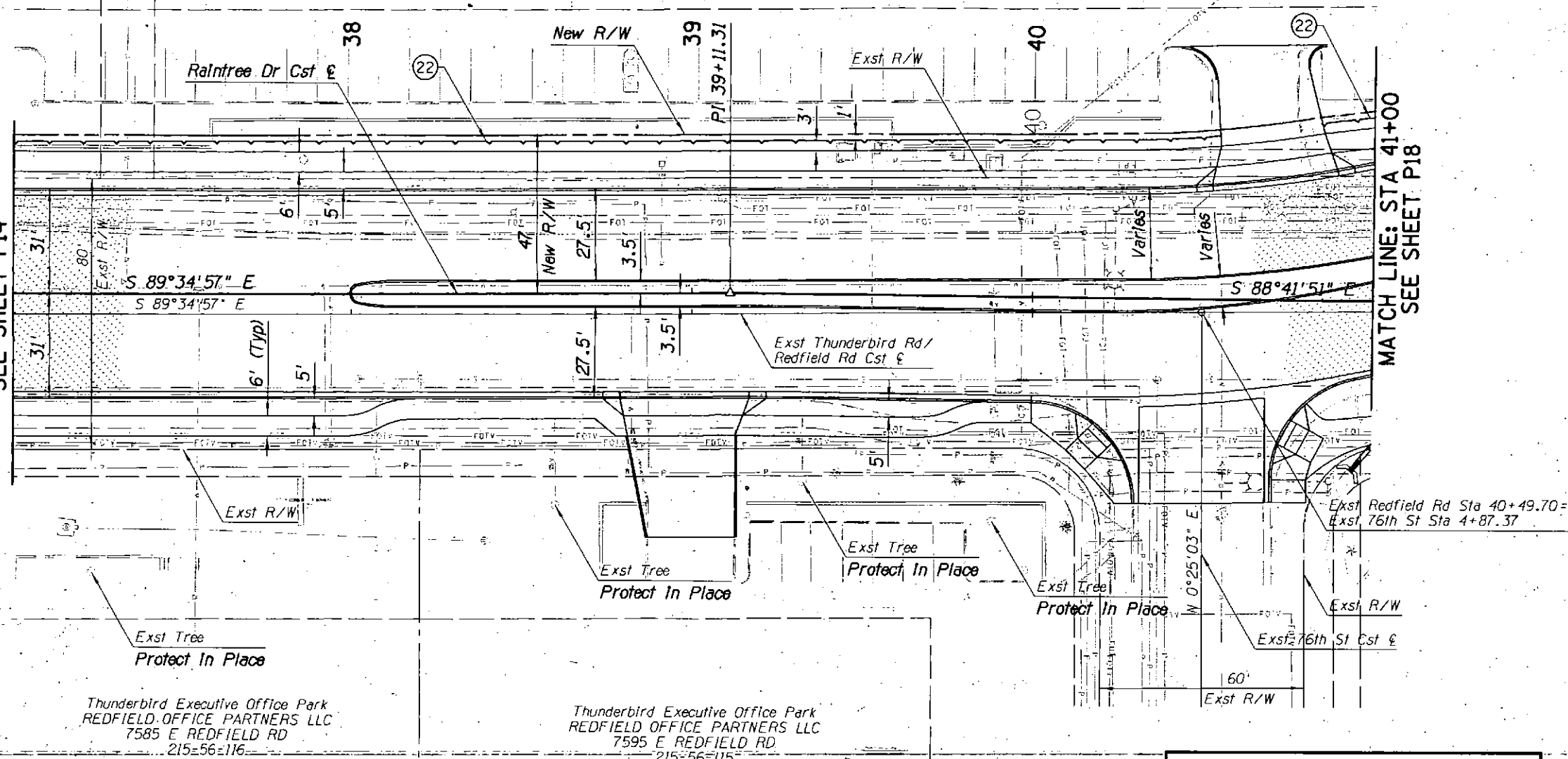
**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R3.

SKYPORT SCOTTSDALE LLC  
7600 E REDFIELD RD.  
215-56-114

MATCH LINE: STA 37+00  
SEE SHEET P14

MATCH LINE: STA 41+00  
SEE SHEET P18



Thunderbird Executive Office Park  
REDFIELD OFFICE PARTNERS LLC  
7585 E REDFIELD RD  
215-56-116

Thunderbird Executive Office Park  
REDFIELD OFFICE PARTNERS LLC  
7595 E REDFIELD RD  
215-56-115



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	111
2 Remove Exst AC Pavement	SY	2,336
4 Remove Exst Curb & Gutter	LF	700
5 Remove Exst Sidewalk	SF	5,075
7 Remove Exst Valley Gutter	SF	750
8 Remove Exst Sidewalk Ramp	EA	5
10 Remove Exst Wall	LF	375
11 Remove Exst Concrete Driveway	SF	408
12 Remove Exst Traffic Equipment	EA	1

**CONSTRUCTION NOTES**

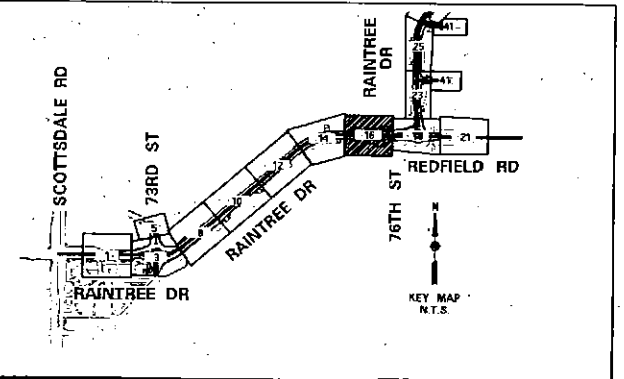
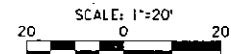
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,316
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-J, Type-A	LF	607
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	604
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	617
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	4,058
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	2
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	3,586
19 Install Survey Marker per COS Std Dtl 2120, Type D	EA	2



**CONSTRUCTION NOTES**

Description	Unit	Quan
22 Construct Retaining Wall	SF	1,059
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	30%	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 37+00 TO STA 41+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	DRAWN	AS-BUILT
	WBE	
BID NO.	SHT.	
PROJECT NO. S1103	P16	
	30 OF 297	

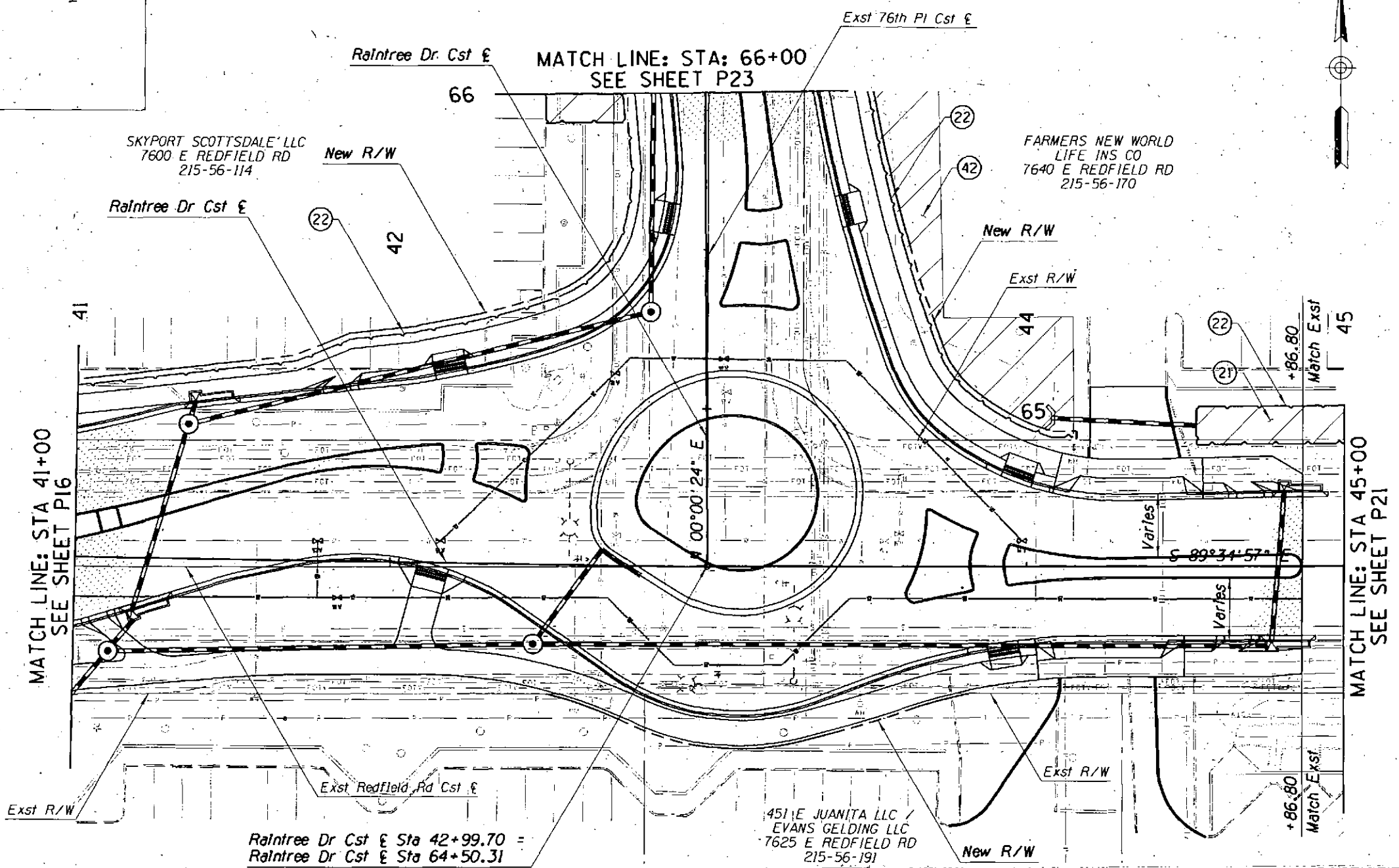
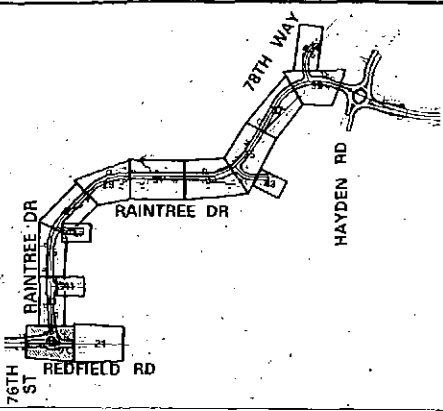


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### POINT ENGINEERS

#### REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	121
2 Remove Exst AC Pavement	SY	2.814
4 Remove Exst Curb & Gutter	LF	979
5 Remove Exst Sidewalk	SF	5.061
6 Remove Exst Single Curb	LF	613
7 Remove Exst Valley Gutter	SF	862
8 Remove Exst Sidewalk Ramp	EA	3
10 Remove Exst Wall	SF	1.380
11 Remove Exst Concrete Driveway	SF	958
12 Remove Exst Traffic Equipment	EA	1

#### CONSTRUCTION NOTES

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,920
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	891
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	1,306
5 Construct Curb & Gutter per MAG Std DII 220-1, Type C	LF	325
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	6
10 Install Detectable Warning Surface per COS Std DII 2231	EA	6
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std DII 2283	SF	6,381
13 Construct 4" Concrete Pavement	SF	529
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,197
18 Install Bike Ramp per DII on Sheet XXX	EA	4
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	1,464



DATE	REVISION	BY
------	----------	----

ENGINEER: PRELIMINARY  
**30%**  
NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
CAPITAL PROJECT MANAGEMENT

7447 E. INDIAN SCHOOL RD., SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 41+00 TO STA 45+00**

SCALE: HORIZ. 1"=20'	DESIGNED: NJU	DATE: 06/14	BID NO.	SHT. P18
VERT. XX	DRAWN: NJU	AS-BUILT	PROJECT NO. S1103	32 OF 297

#### NOTES:

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

Raintree Dr Cst E Sta 42+99.70 = Raintree Dr Cst E Sta 64+50.31  
Exst Redfield Dr Cst E Sta 42+99.68

451 E JUANITA LLC / EVANS GELDING LLC  
7625 E REDFIELD RD  
215-56-192

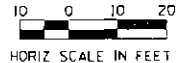
#### CONSTRUCTION NOTES

Description	Unit	Quan
29 Construct Catch Basin per COP DII P1569, L=10'	EA	2
30 Construct Headwall per MAG DII 501	EA	2
34 Install 18" RGRCP	LF	734
36 Construct 18" Slotted Drain per ADOT Std DII C-13.60	LF	15
38 Install 5D Manhole per MAG DII 520 & 522	EA	4
42 Regrade Exst Retention Basin	EA	1

#### CONSTRUCTION NOTES

Description	Unit	Quan
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

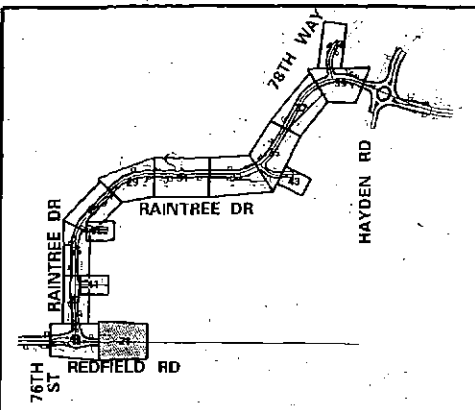
RELIABLE FINANCIAL LLC  
7645 E REDFIELD RD  
215-56-190A



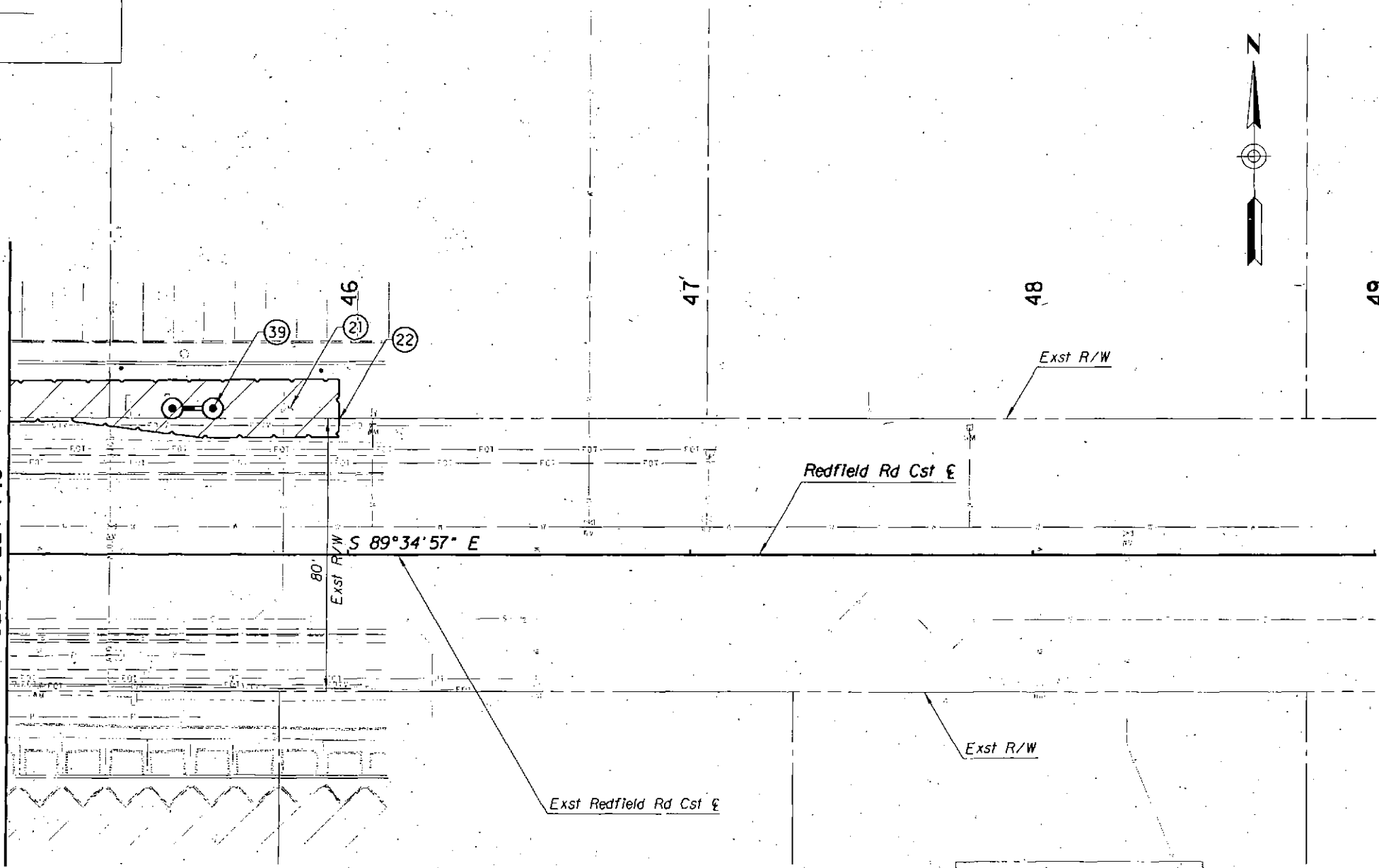


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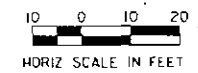
MATCH LINE: STA 45+00  
SEE SHEET P18



RELIABLE FINANCIAL LLC  
7645 E REDFIELD RD  
215-56-190A

**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan

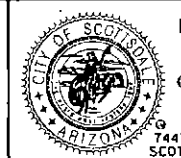
**CONSTRUCTION NOTES**

Description	Unit	Quan
(21) Roadside Retention Basin	EA	1
(22) Construct Retaining Wall	SF	645
(39) Install Drywell	EA	1
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

PRELIMINARY  
**30%**  
NOT FOR  
CONSTRUCTION  
OR RECORDING



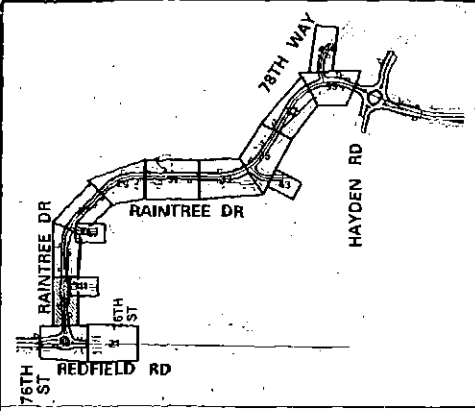
**PUBLIC WORKS**  
**CAPITAL PROJECT**  
**MANAGEMENT**  
7447 E. INDIAN SCHOOL RD.  
SCOTTSDALE, ARIZONA 85251

SHEET TITLE  
**PLAN SHEET**  
**REDFIELD ROAD**  
**STA 45+00 TO STA 46+50**

PROJECT TITLE  
**RAINTREE DRIVE EXTENSION**  
**SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	NJO	06/14		P21
VERT. XX	NJO	AS-BUILT	PROJECT NO. S1103	35 OF 291

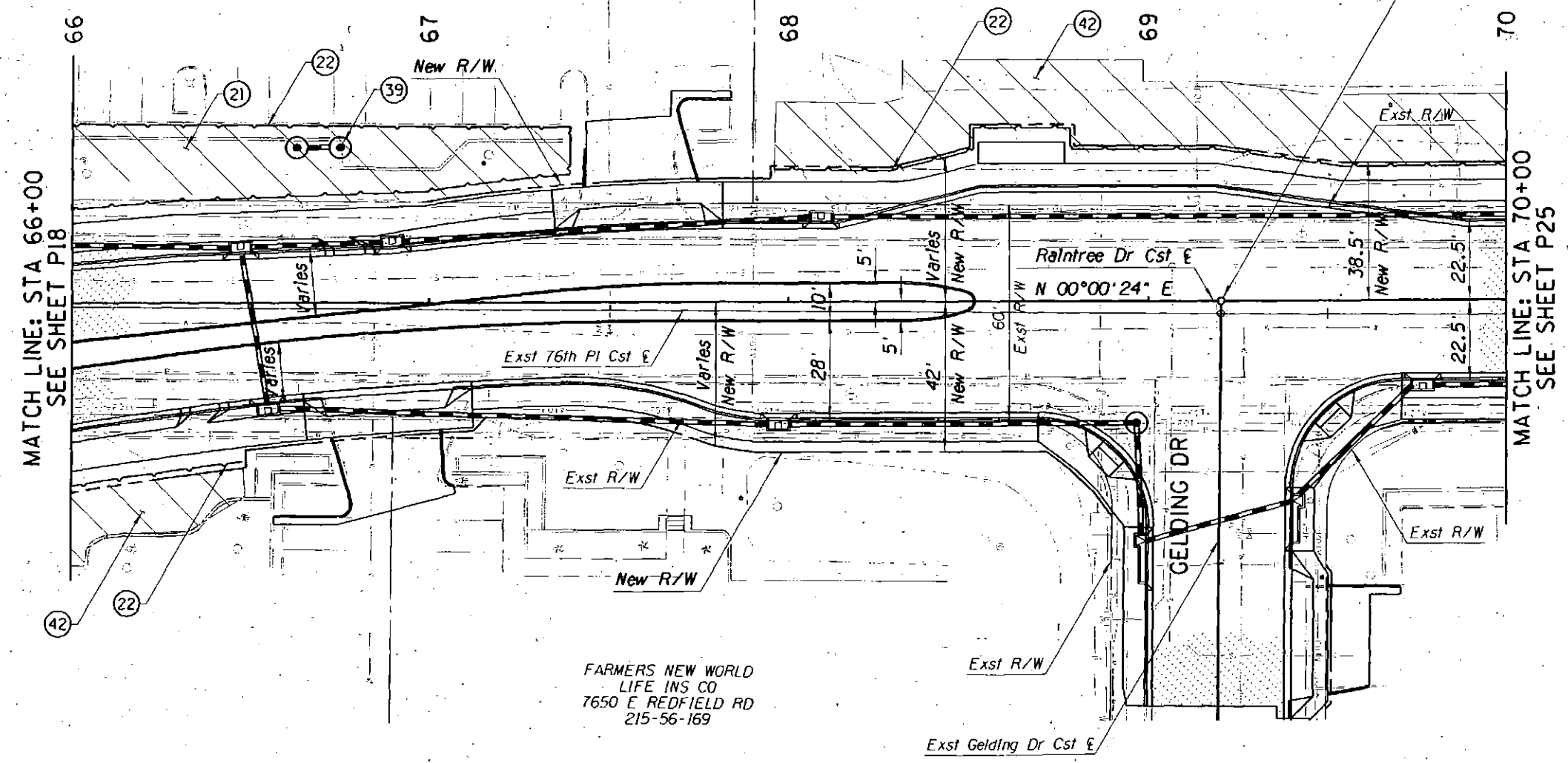
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SKYPORT SCOTTSDALE LLC  
7600 E REDFIELD RD  
215-56-114

Airport Operations  
PACIFIC MARINE MGMT INC  
14300 N 76TH PL  
215-56-113B

Raintree Dr Cst & Sta 69+20.58 =  
Gelding Dr Cst & Sta 18+73.52



FARMERS NEW WORLD  
LIFE INS CO  
7650 E REDFIELD RD  
215-56-169

## POINT ENGINEERS

### REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	103
2 Remove Exst AC Pavement	SY	1,859
4 Remove Exst Curb & Gutter	LF	762
5 Remove Exst Sidewalk	SF	3,236
6 Remove Exst Single Curb	LF	147
8 Remove Exst Sidewalk Ramp	EA	2
10 Remove Exst Wall	SF	445
11 Remove Exst Concrete Driveway	SF	594

### CONSTRUCTION NOTES

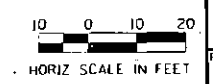
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,312
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	799
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	629
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	2,594
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std DII 2283	SF	1,358
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,199
18 Install Bike Ramp per DII on Sheet XXX	EA	2
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	1,498
23 Construct Bus Bay per COS Std DII 2266-1, Type A	EA	1
39 Install Drywell	EA	1
42 Regrade Exst Retention Basin	EA	1



CONSTRUCTION NOTES		
Description	Unit	Quan
26 Construct Catch Basin per MAG DII 532	EA	6
29 Construct Catch Basin per COP DII P1569, L=10'	EA	2
3A Install 18" RGRCP	LF	808
3B Install SD Manhole per MAG DII 520 & 522	EA	1
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

SEE SHEET P41 FOR IMPROVEMENTS ALONG GELDING DR

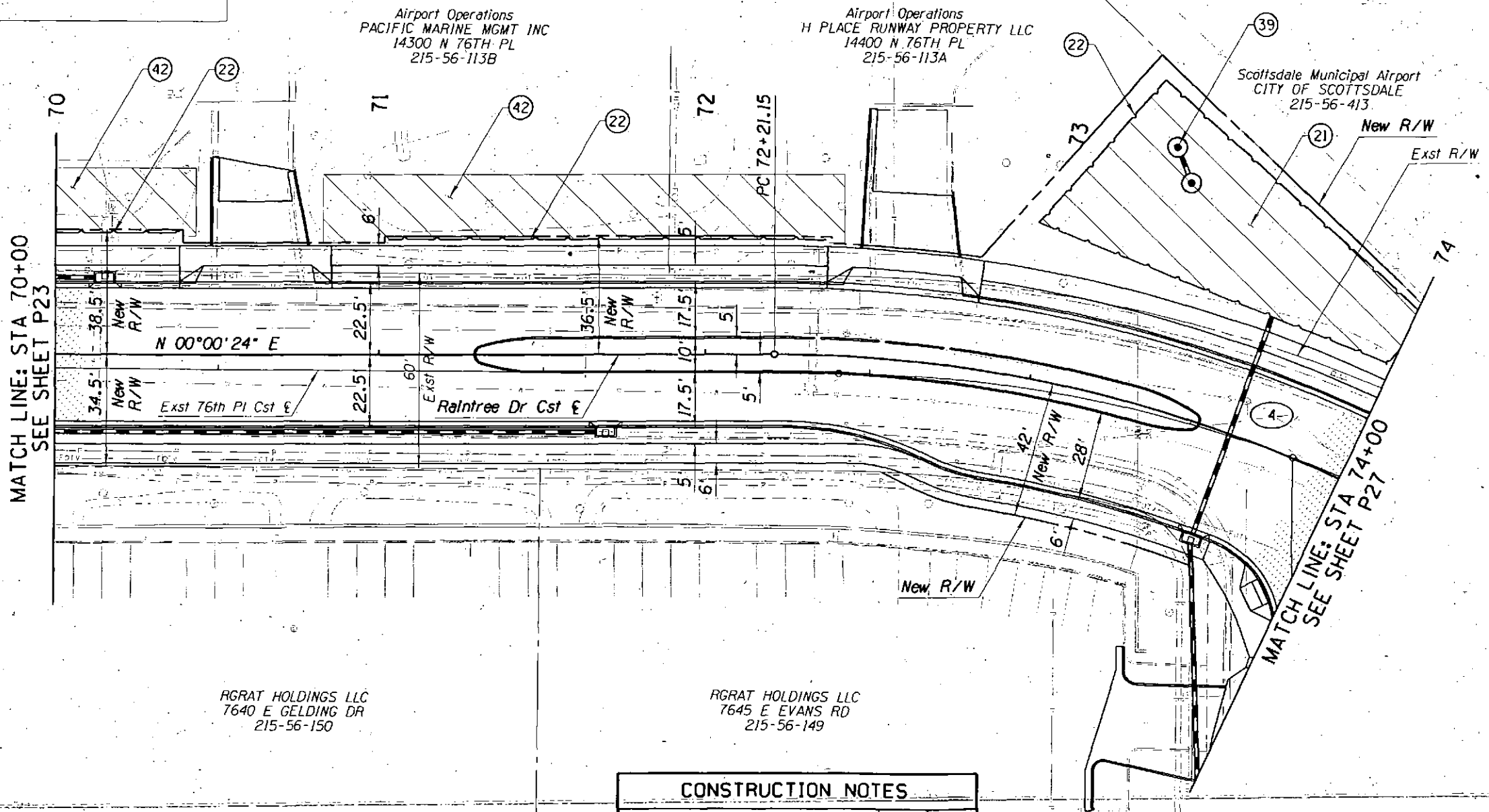
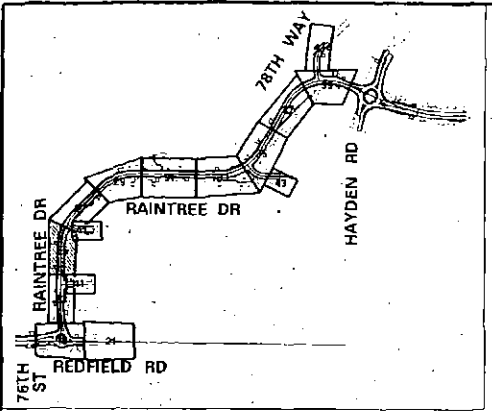
- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
<b>30%</b>	NOT FOR CONSTRUCTION OR RECORDING	
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 66+00 TO STA 70+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	NJO	06/14
VERT. XX	NJO	AS-BUILT
BID NO.	SHT	
	P23	
PROJECT NO.		37 OF 297
S1103		



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 PLG DATE: 6/17/2014  
 DESIGN FILE: P:\12109 - Raintree\CADD\Civ\cadd177\_P12.dwg



POINT ENGINEERS		
REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	102
2 Remove Exst AC Pavement	SY	1,817
4 Remove Exst Curb & Gutter	LF	781
5 Remove Exst Sidewalk	SF	3,450
6 Remove Exst Single Curb	LF	167
8 Remove Exst Sidewalk Ramp	EA	1
10 Remove Exst Wall	SF	38
11 Remove Exst Concrete Driveway	SF	366
CONSTRUCTION NOTES		
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,835
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	816
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	572
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	4,062
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	1
11 Construct Median Nose Paving per COS Std DII 2226	EA	2
15 Construct Concrete Driveway per COS Std DII 2256	EA	1228
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	1,601
26 Construct Catch Basin per MAG DII 532	EA	3
34 Install 18" RGRCP	LF	325
38 Install SD Manhole per MAG DII 520 & 522	EA	1
39 Install Drywell	EA	1
41 Connect Exst 2" PVC Discharge Pipe to Curb	EA	1

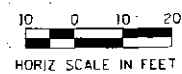
MATCH LINE: STA 70+00  
 SEE SHEET P23

MATCH LINE: STA 74+00  
 SEE SHEET P27

CONSTRUCTION NOTES		
Description	Unit	Quan
42 Regrade Exst Retention Basin	EA	2
44 Construct 2' Curb Opening	EA	3
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
4	73+85.94	408.00'	43°59'17"	313.24'	14°02'35"	164.79'

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

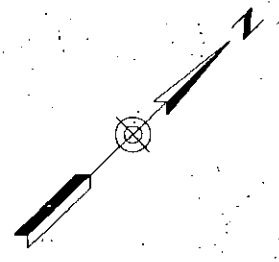
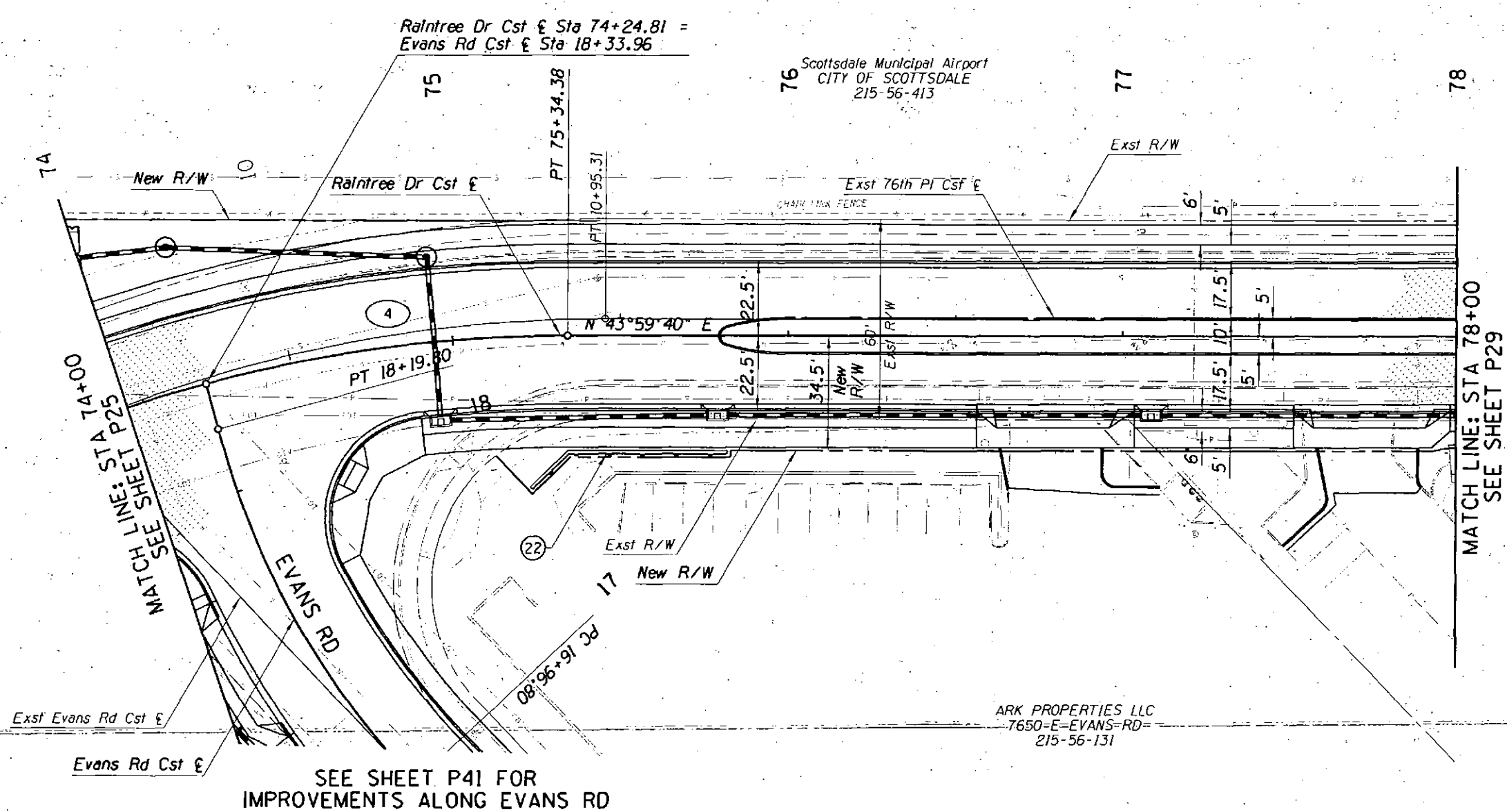
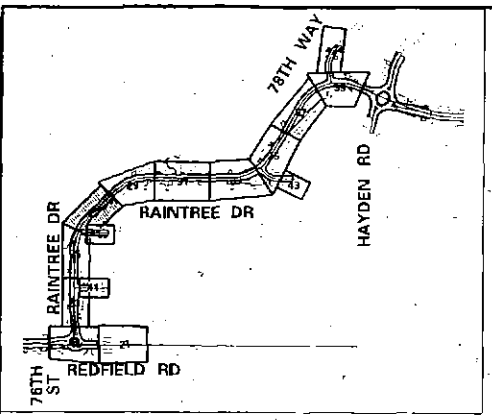


ARIZONA BLUE STAKE  
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 Dial 811 or 802-263-1100  
 1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
<b>30%</b>	NOT FOR CONSTRUCTION OR RECORDING	
7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
<b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 70+00 TO STA 74+00</b>		
<b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DATE	BID NO.
HORIZ. 1"=20'	NJO 06/14	
VERT. XX	AS-BUILT	PROJECT NO. S1103
		SHT. P25
		39 OF 29 T

PLOT DATE: 6/18/2014 1:22:17 PM

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**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	96
2 Remove Exst AC Pavement	SY	1.967
4 Remove Exst Curb & Gutter	LF	720
5 Remove Exst Sidewalk	SF	3,146
6 Remove Exst Single Curb	LF	137
8 Remove Exst Sidewalk Ramp	EA	1
11 Remove Exst Concrete Driveway	SF	388

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,882
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	775
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	534
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	3,736
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	1
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,208
22 Construct Retaining Wall	SF	63
26 Construct Catch Basin per MAG DII 532	EA	3
28 Construct Catch Basin per COP DII P1569, L=6'	EA	1
34 Install 18" RGRCP	LF	451
38 Install SD Manhole per MAG DII 520 & 522	EA	3
44 Construct 2' Curb Opening	EA	4
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
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PRELIMINARY  
**30%**  
NOT FOR CONSTRUCTION OR RECORDING

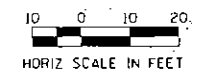
**PUBLIC WORKS**  
CAPITAL PROJECT MANAGEMENT

7447 E. INDIAN SCHOOL RD.  
SCOTTSDALE, ARIZONA 85251

SHEET TITLE <b>PLAN SHEET RAINTREE DRIVE STA 74+00 TO STA 78+00</b>			
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>			
SCALE HORIZ: 1"=20' VERT: XX	DESIGNED NJD	DATE 06/14	BID NO. S1103
	DRAWN NJD	AS-BUILT	SHT. P27 41 OF 297

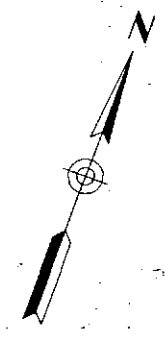
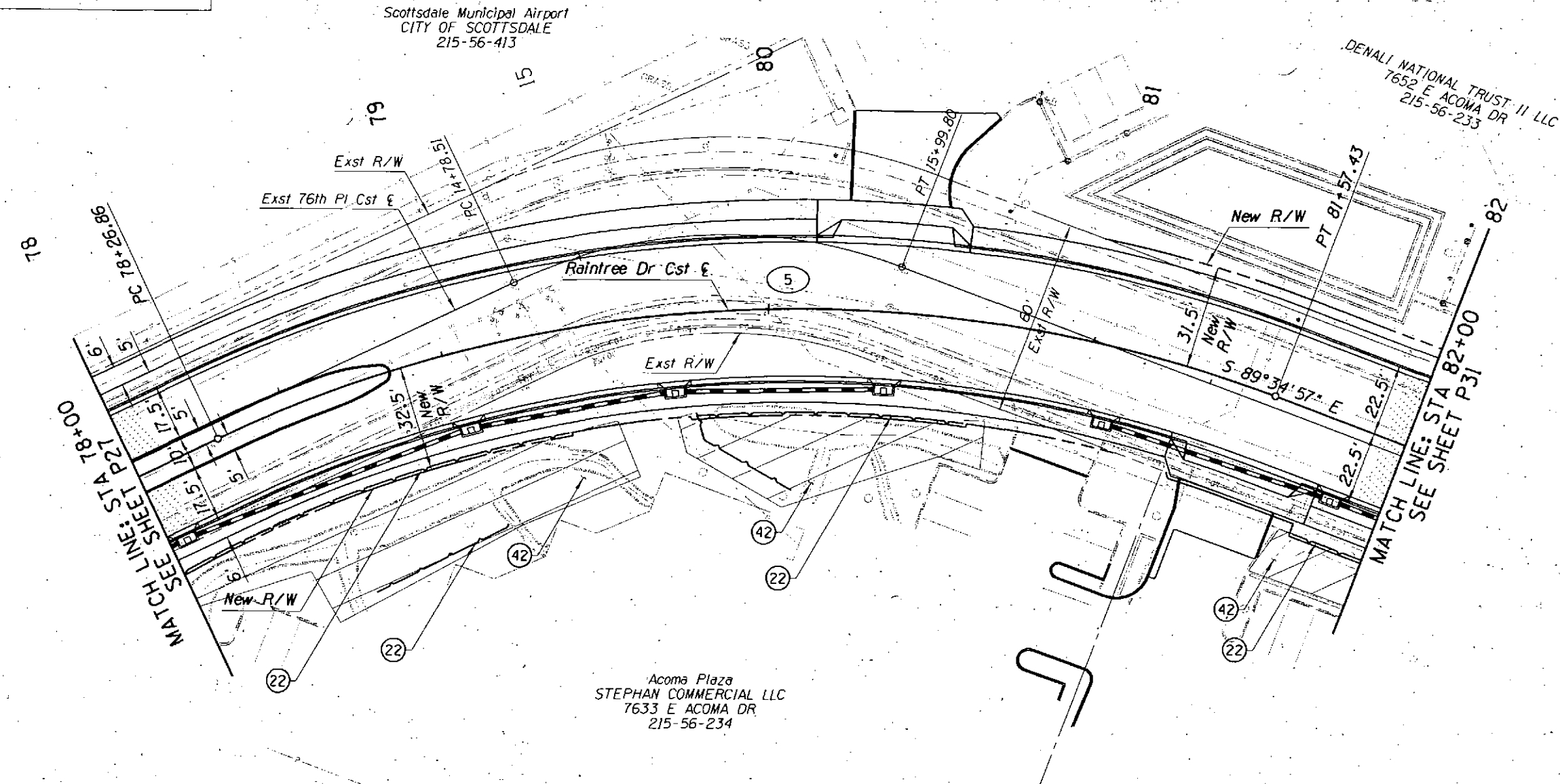
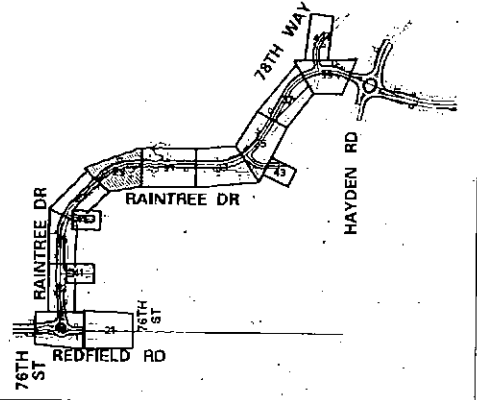
- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
4	73+85.94	408.00'	43°59'17"	313.24'	14°02'35"	164.79'





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 PLOT DATE: 6/19/2014 1:23:37 PM



### POINT ENGINEERS

#### REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	89
2 Remove Exst AC Pavement	SY	1,895
4 Remove Exst Curb & Gutter	LF	825
5 Remove Exst Sidewalk	SF	3,527
6 Remove Exst Single Curb	LF	214
11 Remove Exst Concrete Driveway	SF	610

#### CONSTRUCTION NOTES

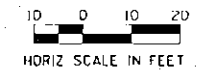
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,883
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	800
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	429
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	4,249
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,206
22 Construct Retaining Wall	SF	638
26 Construct Catch Basin per MAG DII 532	EA	6
34 Install 18" RGRCP	LF	288
42 Regrade Exst Retention Basin	EA	3
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
30%	NOT FOR CONSTRUCTION OR RECORDING	
1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

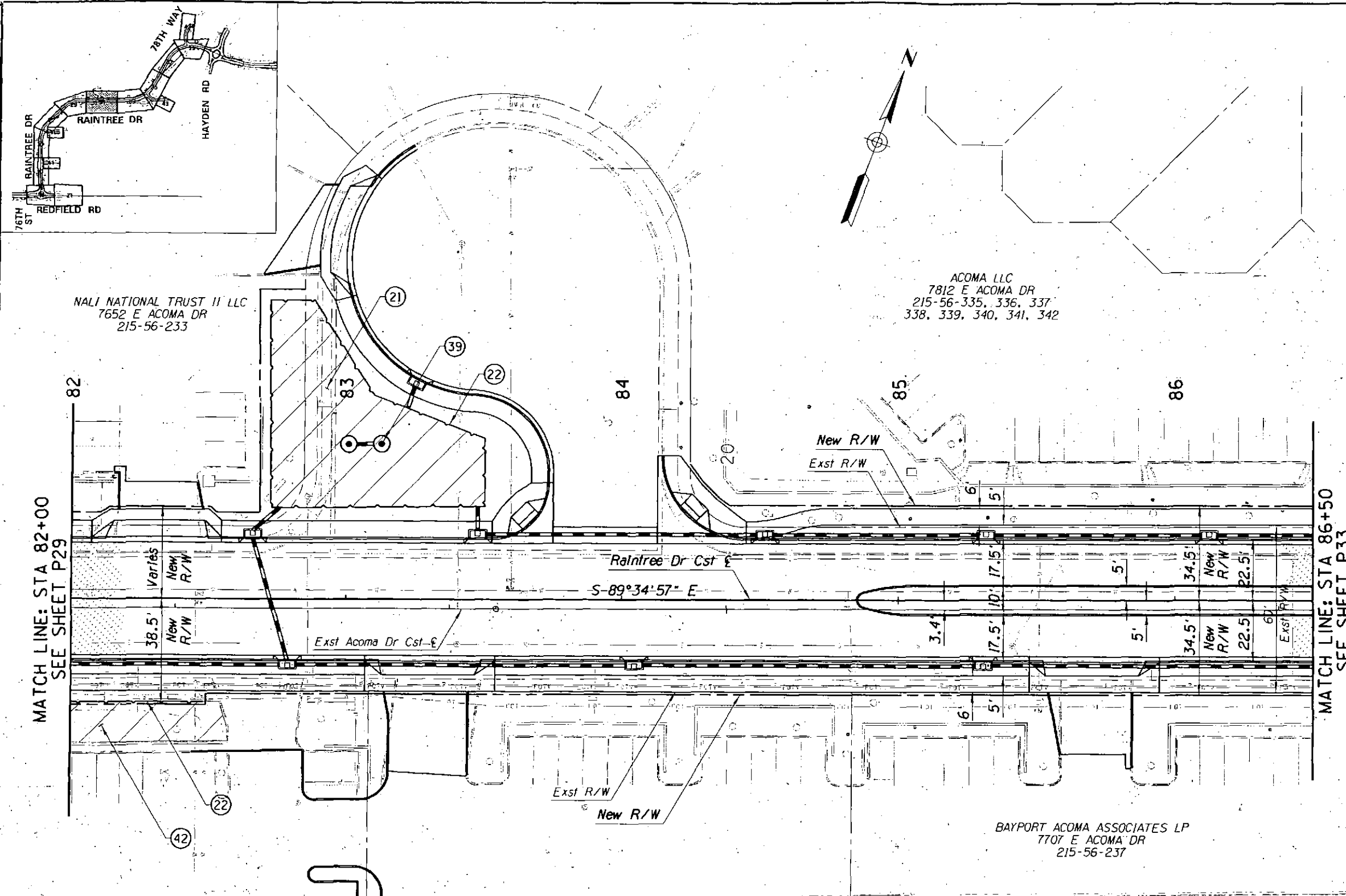
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
5	80+01.82	408.00'	46°25'22"	330.57'	14°02'35"	174.97'



SHEET TITLE					
<b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 78+00 TO STA 82+00</b>					
PROJECT TITLE					
<b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>					
SCALE	DESIGNED	DATE	BID NO.	SHT.	
HORIZ. 1"=20'	NJO	06/14		P29	
VERT. XX	DRAWN	AS-BUILT	PROJECT NO.	43 OF 297	
	NJO		51103		

PLC DATE: 6/18/2014 12:31 PM

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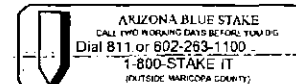
**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	96
2 Remove Exst AC Pavement	SY	2.773
4 Remove Exst Curb & Gutter	LF	965
5 Remove Exst Sidewalk	SF	3,691
6 Remove Exst Single Curb	LF	406
7 Remove Exst Valley Gutter	SF	954
8 Remove Exst Sidewalk Ramp	EA	2
10 Remove Exst Wall	SF	220
11 Remove Exst Concrete Driveway	SF	804
13 Remove Exst Trash Enclosure	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2.062
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	1,059
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	705
6 Construct Concrete Valley Gutter per COS Std DII 2240	SF	669
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	4,647
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	2,332
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	957
26 Construct Catch Basin per MAG DII 532	EA	9



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY **30%** NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
CAPITAL PROJECT MANAGEMENT

4447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 82+00 TO STA 86+50**

PROJECT TITLE: **RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20' VERT. XX

DESIGNED: NJO DATE: 06/14

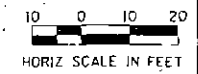
DRAWN: NJO AS-BUILT

BID NO. \_\_\_\_\_ SHT. P31

PROJECT NO. 51103 45 OF 297

**CONSTRUCTION NOTES**

Description	Unit	Quan
34 Install 18" RGRCP	LF	799
39 Install Drywell	EA	1
41 Connect Exst 2" PVC Discharge Pipe to Curb	EA	1
42 Regrade Exst Retention Basin	EA	1
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



MATCH LINE: STA 82+00 SEE SHEET P29

MATCH LINE: STA 86+50 SEE SHEET P33

OHRT P. MICHAEL/  
MARTHA L. TR  
7671 E ACOMA DR  
215-56-235

BAYPORT ACOMA ASSOCIATES LP  
7707 E ACOMA DR  
215-56-236

BAYPORT ACOMA ASSOCIATES LP  
7707 E ACOMA DR  
215-56-237

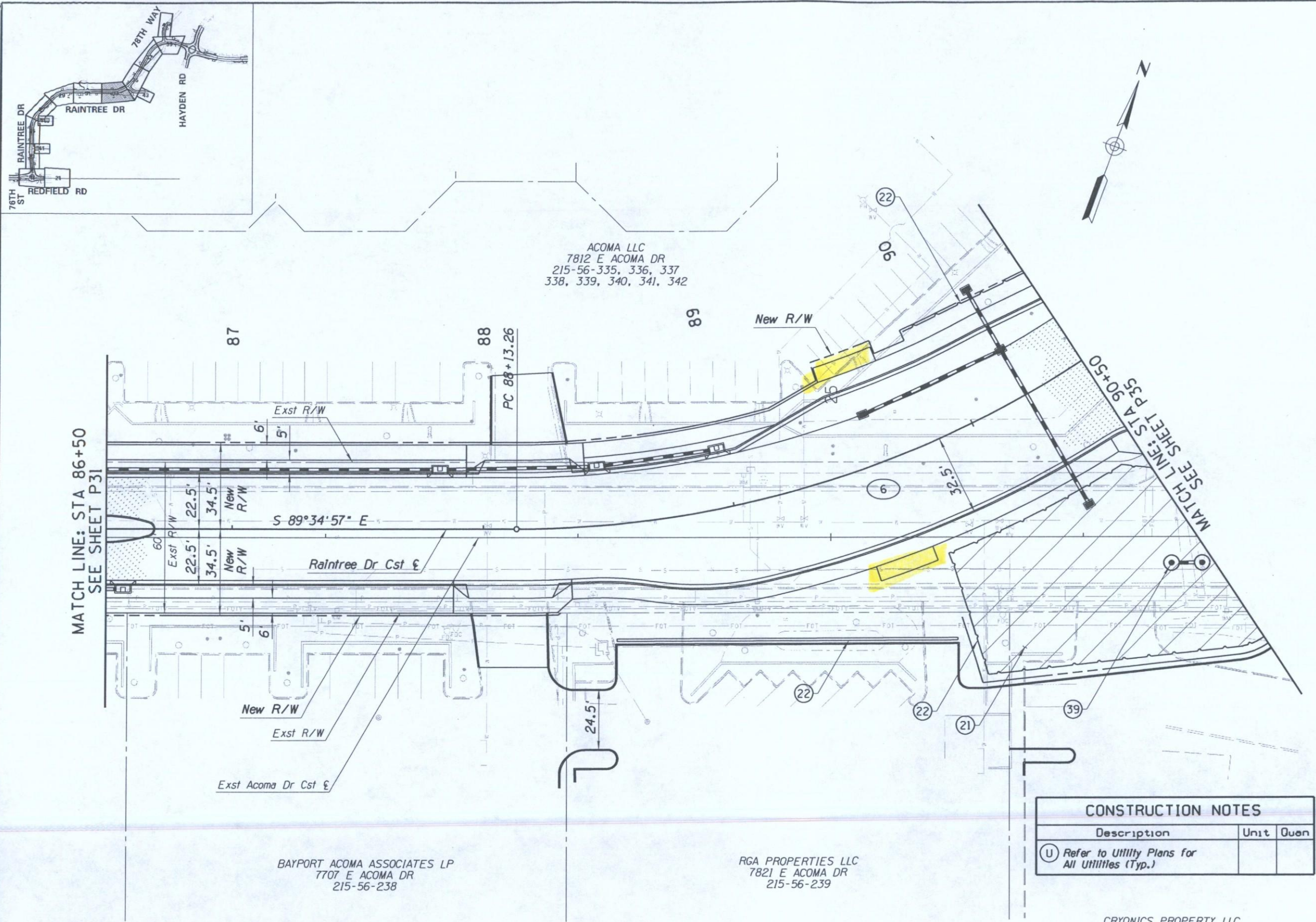
ACOMA LLC  
7812 E ACOMA DR  
215-56-335, 336, 337  
338, 339, 340, 341, 342

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



PLOT DATE: 6/17/2014 9:41:46 AM

DESIGN FILE: P:\12109 - Raintree\CADD\Civ\cos\177\_P16.dgn



MATCH LINE: STA 86+50  
SEE SHEET P31

MATCH LINE: STA 90+50  
SEE SHEET P35

ACOMA LLC  
7812 E ACOMA DR  
215-56-335, 336, 337  
338, 339, 340, 341, 342

BAYPORT ACOMA ASSOCIATES LP  
7707 E ACOMA DR  
215-56-238

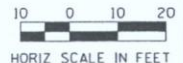
RGA PROPERTIES LLC  
7821 E ACOMA DR  
215-56-239

CRONICS PROPERTY LLC  
7895 E ACOMA DR  
215-56-240

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
6	90+45.20	408.00'	59°14'07"	421.81'	14°02'35"	231.94'

CONSTRUCTION NOTES		
Description	Unit	Quan
(U) Refer to Utility Plans for All Utilities (Typ.)		



**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	51
2 Remove Exst AC Pavement	SY	2,203
4 Remove Exst Curb & Gutter	LF	864
5 Remove Exst Sidewalk	SF	3,313
6 Remove Exst Single Curb	LF	811
10 Remove Exst Wall	SF	1,301
11 Remove Exst Concrete Driveway	SF	1,178
13 Remove Exst Trash Enclosure	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,168
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	796
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	583
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	4,205
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,206
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	159
23 Construct Bus Bay per COS Std DII 2266-1, Type A	EA	2
26 Construct Catch Basin per MAG DII 532	EA	4
27 Construct Catch Basin per MAG DII 535	EA	4
34 Install 18" RGRCP	LF	389
39 Install Drywell	EA	1
(L) Refer to Landscape Plans for All Landscape (Typ.)		

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DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

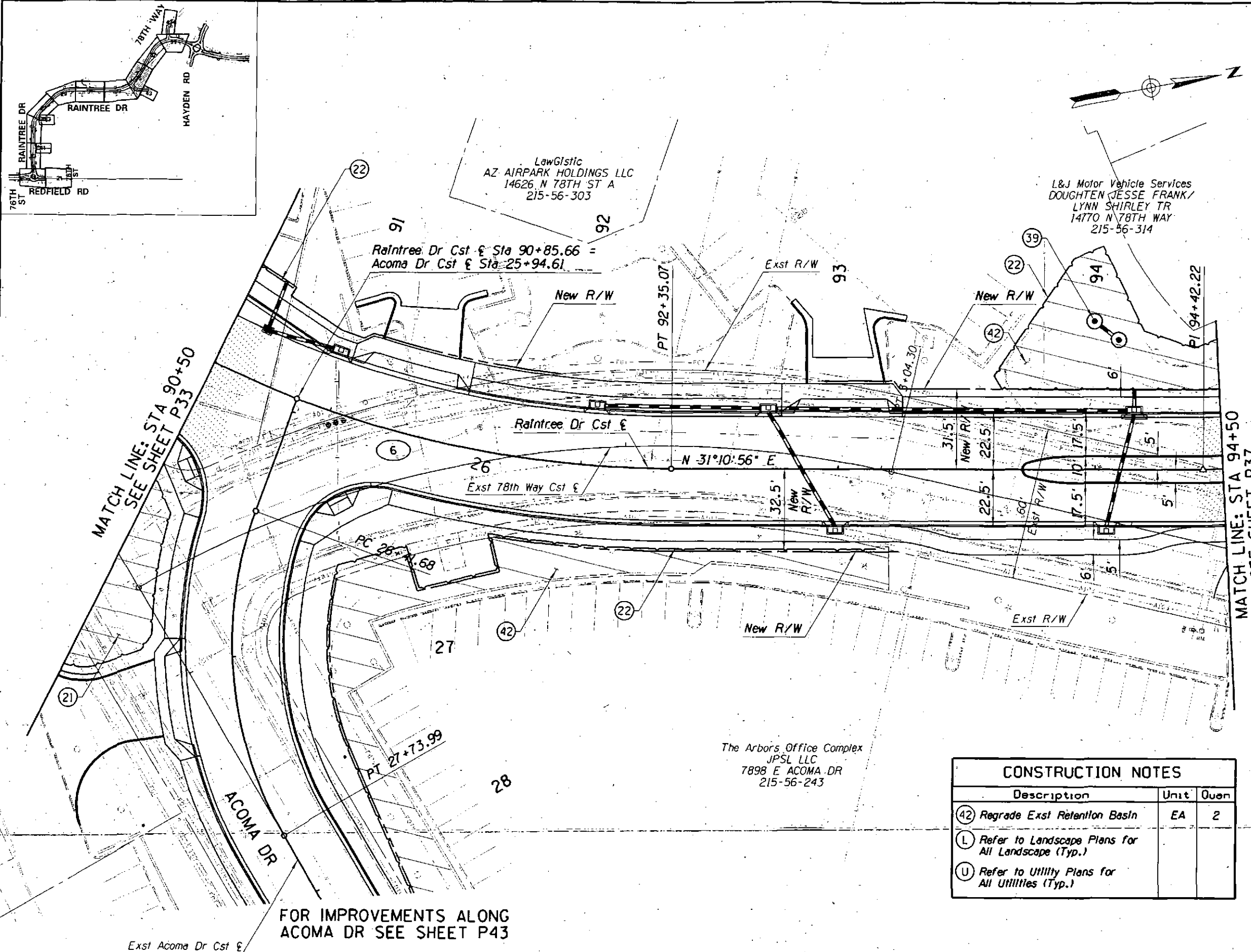
SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 86+50 TO STA 90+50**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	NJO	06/14		P33
VERT. XX	DRAWN	AS-BUILT	PROJECT NO.	47 of 297
	NJO		S1103	



DESIGN FILE: P:\12109 - Raintree\_CADD\Civil\cos177\_P17.dwg  
 PLOT DATE: 6/17/2014 9:41:55 AM



**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	151
2 Remove Exst AC Pavement	SY	2,201
4 Remove Exst Curb & Gutter	LF	909
5 Remove Exst Sidewalk	SF	3,904
6 Remove Exst Single Curb	LF	159
7 Remove Exst Valley Gutter	SF	696
8 Remove Exst Sidewalk Ramp	EA	2
10 Remove Exst Wall	SF	363
11 Remove Exst Concrete Driveway	SF	892

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,039
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	801
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	296
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	3,721
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,192
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	2,240
26 Construct Catch Basin per MAG DII 532	EA	6
27 Construct Catch Basin per MAG DII 535	EA	1
34 Install 18" RGRCP	LF	350
39 Install Drywell	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
(42) Regrade Exst Retention Basin	EA	2
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

**PRELIMINARY**

**30%**

NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**

**CAPITAL PROJECT MANAGEMENT**

1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

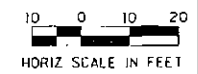
FOR IMPROVEMENTS ALONG ACOMA DR SEE SHEET P43

**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
(6)	90+45.20	408.00'	59°14'07"	421.81'	14°02'35"	231.94'



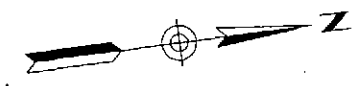
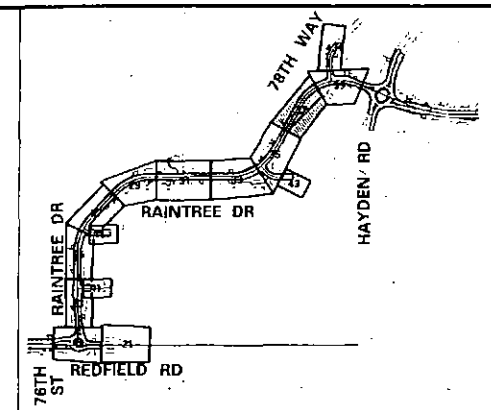
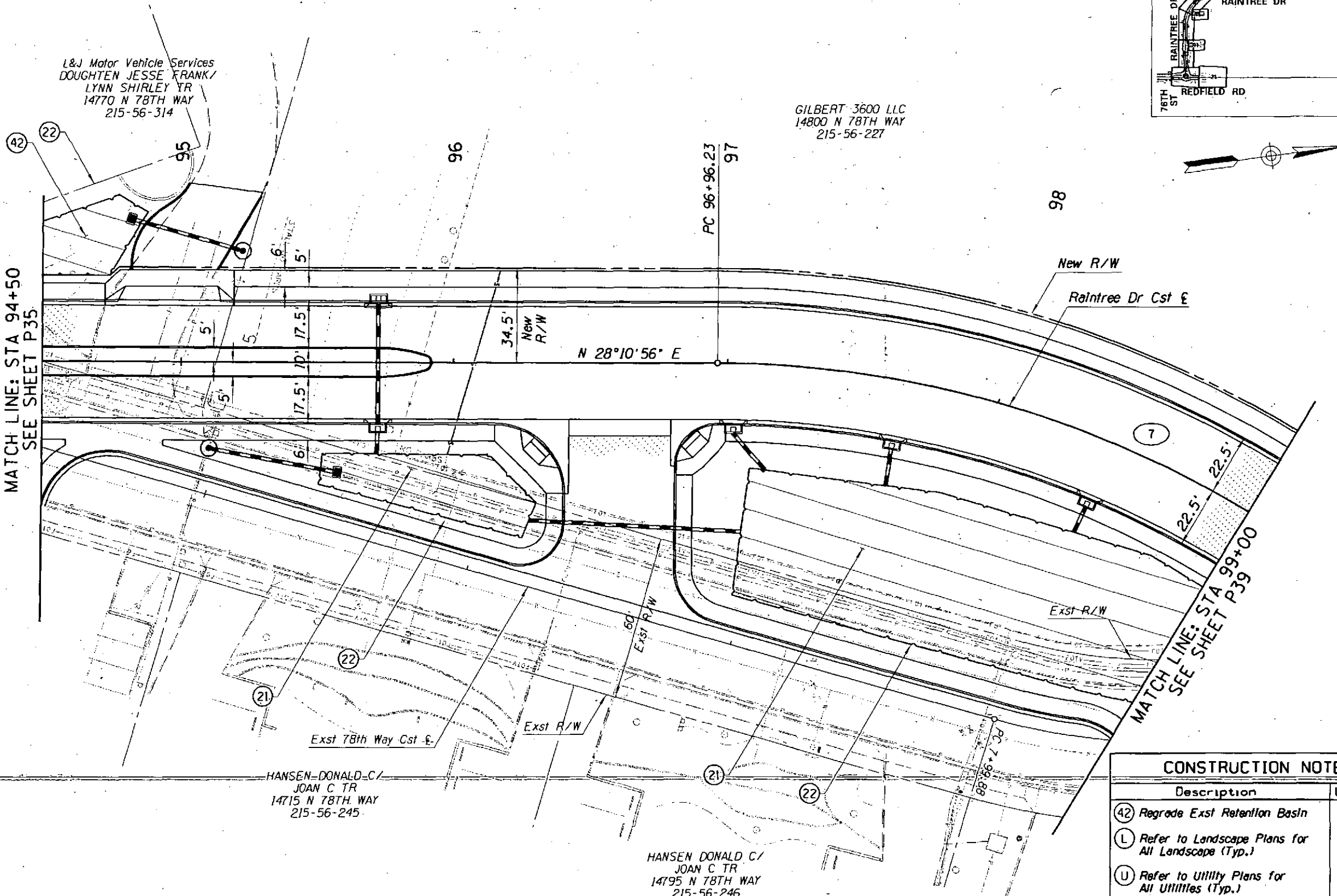
SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 90+50 TO STA 94+50**

PROJECT TITLE: **RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20'	DESIGNED: NJO	DATE: 06/14	BID NO.:	SHT. P35
VERT. XX	DRAWN: NJO	AS-BUILT:	PROJECT NO. S1103	49 of 297



11:09:25 AM  
 PLOT DATE: 6/18/2014  
 DESIGN FILE: P:\12109 - Raintree\CADD\Civ\cos177.P18.dgn



**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	27
2 Remove Exst AC Pavement	SY	1,006
4 Remove Exst Curb & Gutter	LF	420
5 Remove Exst Sidewalk	SF	1,877
6 Remove Exst Single Curb	LF	163
9 Remove Exst Catch Basin	EA	1
11 Remove Exst Concrete Driveway	SF	397

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,274
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	1,282
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	361
6 Construct Concrete Valley Gutter per COS Std DII 2240	SF	537
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	7,150
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	597
21 Roadside Retention Basin	EA	2
22 Construct Retaining Wall	SF	1,931
26 Construct Catch Basin per MAG DII 532	EA	5
27 Construct Catch Basin per MAG DII 535	EA	2
34 Install 18" RGRCP	LF	253
38 Install SD Manhole per MAG DII 520 & 522	EA	2

**CONSTRUCTION NOTES**

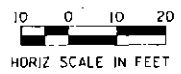
Description	Unit	Quan
(42) Regrade Exst Retention Basin	EA	1
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

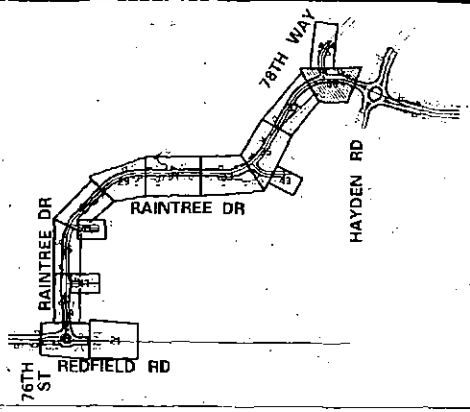
**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
(7)	100+32.47	375.00'	83°45'43"	548.22'	15°16'44"	336.24'

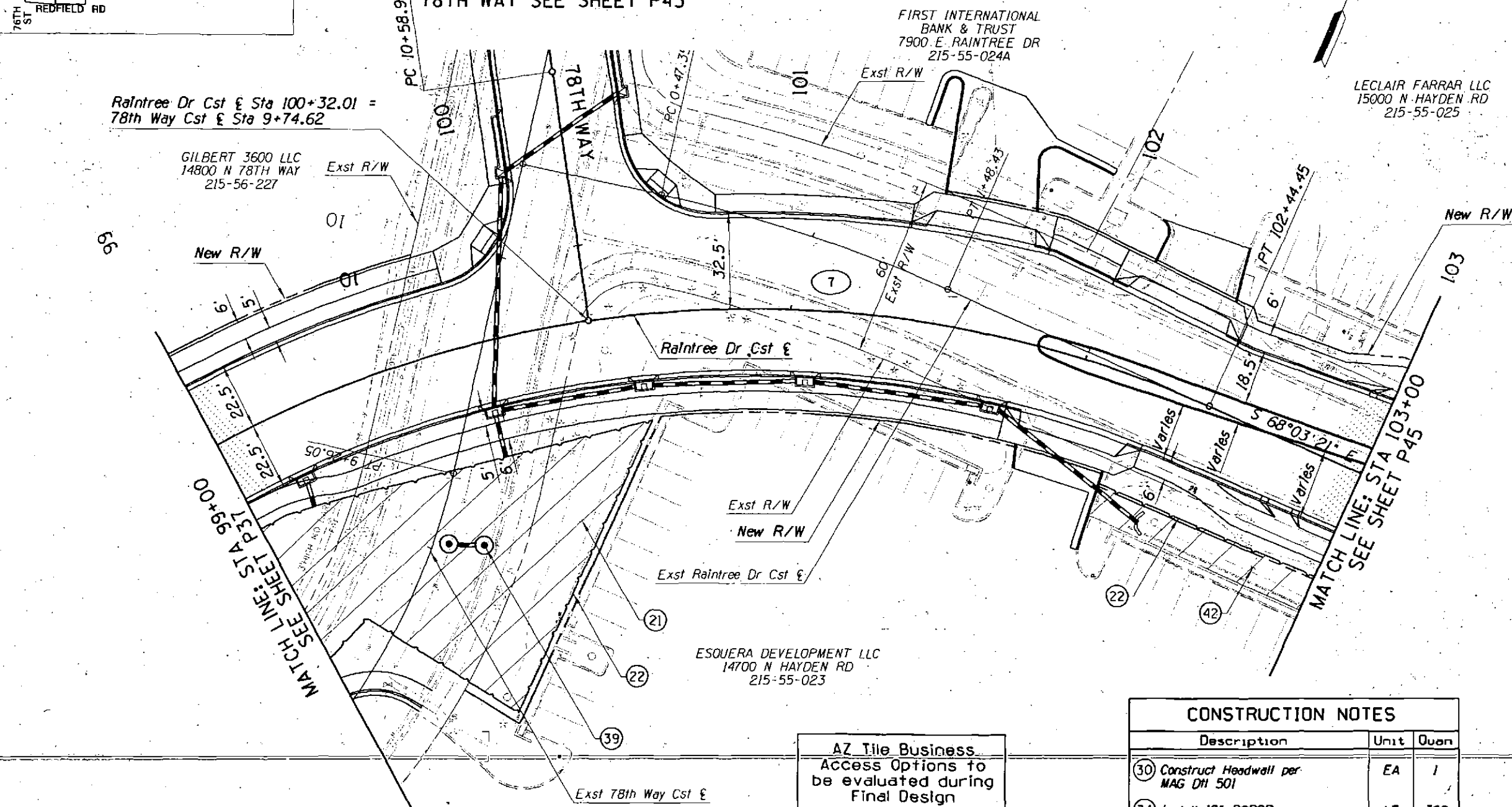


DATE	REVISION	BY
ENGINEER	<b>PUBLIC WORKS</b> CAPITAL PROJECT MANAGEMENT	
PRELIMINARY	NOT FOR CONSTRUCTION OR RECORDING	
<b>30%</b>	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
SHEET TITLE <b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 94+50 TO STA 99+00</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	NJO	06/14
VERT. XX	DRAWN	45-BUILT
		PROJECT NO.
		S1103
		BID NO.
		SHT.
		P37
		51 OF 297

DESIGN FILE: P:\12109 - Raintree\CADD\Civil\177\_P19.dwg PLOI DATE: 6/18/2014 1:23:57 PM



FOR IMPROVEMENTS ALONG 78TH WAY SEE SHEET P43

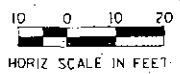


**AZ Tile Business**  
Access Options to be evaluated during Final Design

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
7	100+32.47	375.00'	83°45'43"	548.22'	15°16'44"	336.24'

CONSTRUCTION NOTES		
Description	Unit	Quan
30 Construct Headwall per MAG DII 501	EA	1
34 Install 18" RGRCF	LF	362
39 Install Drywell	EA	1
42 Regrade Exst Retention Basin	EA	1
43 Construct Catch Basin per COP DII P1569, L=17'	EA	2
44 Construct 2' Curb Opening	EA	3
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



POINT ENGINEERS		
REMOVAL & RELOCATION NOTES		
Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	176
2 Remove Exst AC Pavement	SY	2,196
4 Remove Exst Curb & Gutter	LF	897
5 Remove Exst Sidewalk	SF	3,700
6 Remove Exst Single Curb	LF	186
7 Remove Exst Valley Gutter	SF	790
8 Remove Exst Sidewalk Ramp	EA	2
10 Remove Exst Wall	SF	656
11 Remove Exst Concrete Driveway	SF	743

CONSTRUCTION NOTES		
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,327
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	801
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	409
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	2,992
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
12 Construct 10' Multi-Use Path per COS Std DII 2283	SF	591
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,790
18 Install Bike Ramp per DII on Sheet XXX	EA	2
21 Roadside Retention Basin	EA	1
22 Construct Retaining Wall	SF	806
26 Construct Catch Basin per MAG DII 532	EA	6

**ARIZONA BLUE STAKE**  
CALL TWO WORKING DAYS BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

DATE	REVISION	BY

ENGINEER: PRELIMINARY  
**30%**  
NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
CAPITAL PROJECT MANAGEMENT

PROJECT TITLE: **PLAN SHEET**  
**RAINTREE DRIVE**  
STA 99+00 TO STA 103+00

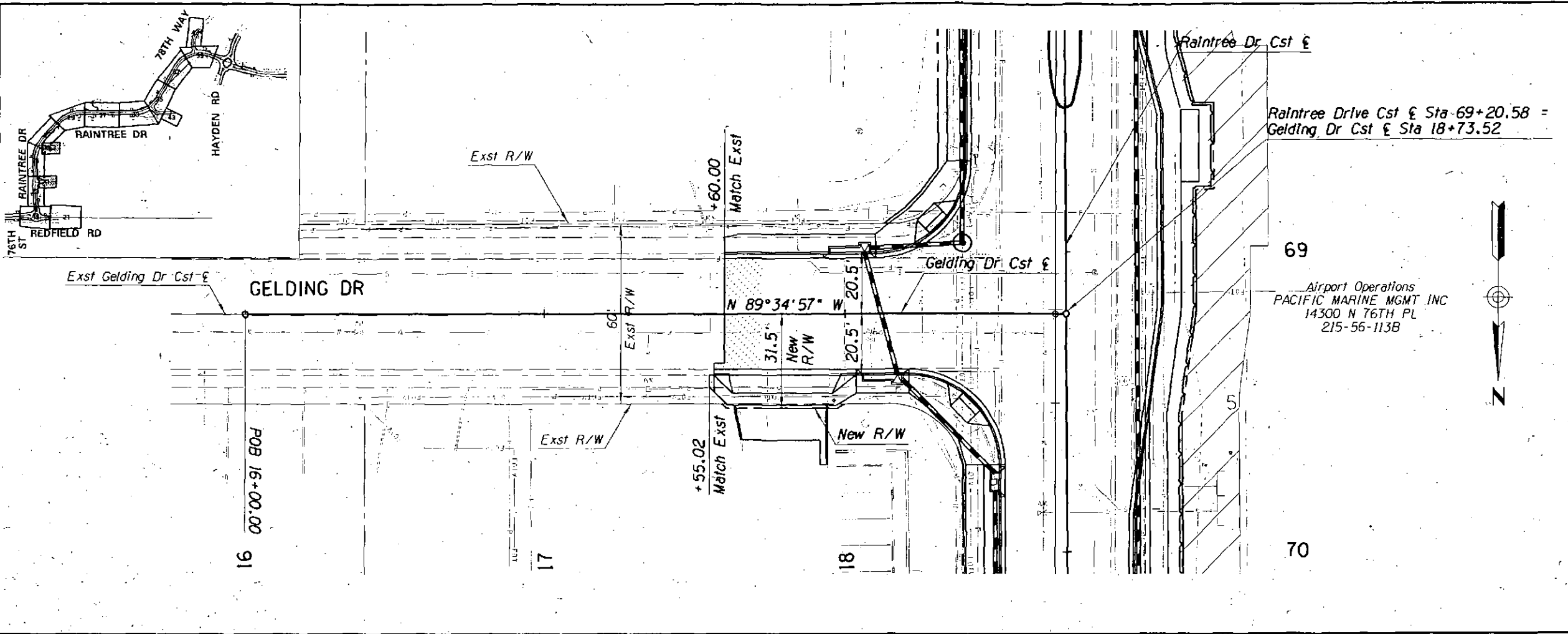
PROJECT TITLE: **RAINTREE DRIVE EXTENSION**  
**SCOTTSDALE ROAD TO SR 101L**

SCALE	DESIGNED	DATE	BID NO.	SHT.
HORIZ. 1"=20'	NJO	06/14		P39
VERT. XX				

PROJECT NO. S1103 53 of 297



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 PLC DATE: 6/17/2014  
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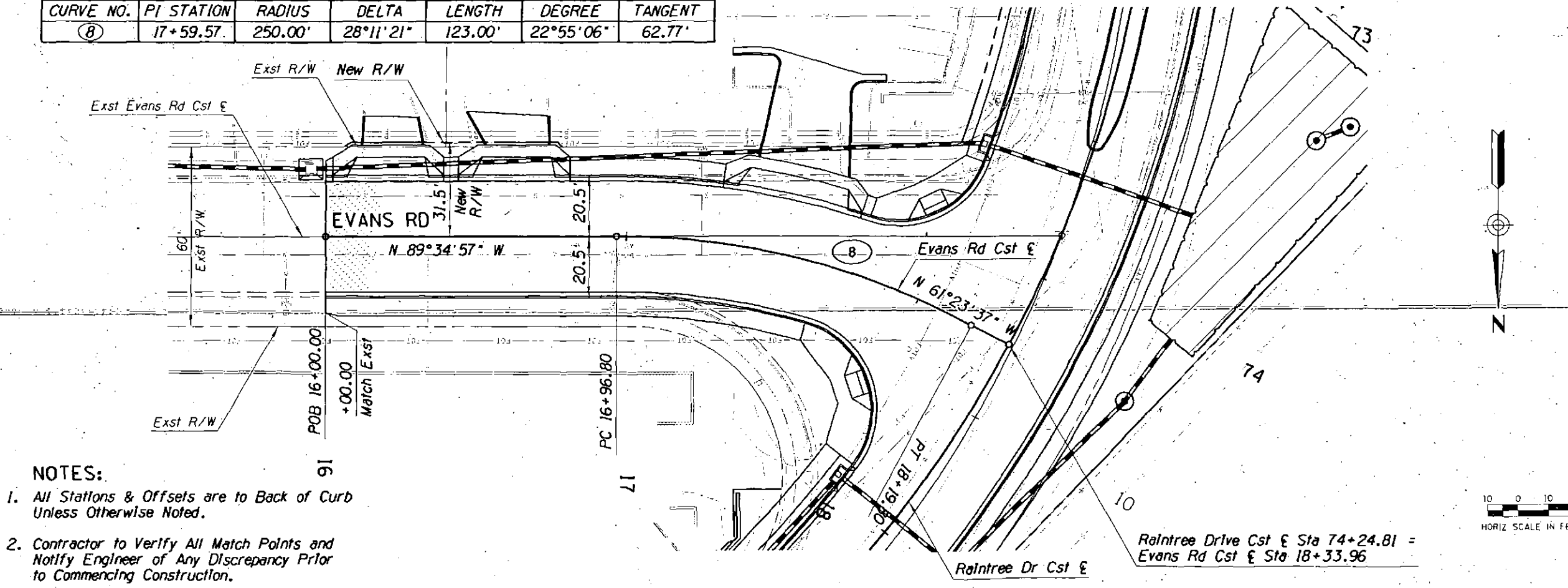


Raintree Drive Cst E Sta 69+20.58 =  
Gelding Dr Cst E Sta 18+73.52

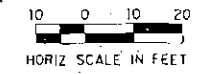
69  
 Airport Operations  
 PACIFIC MARINE MGMT INC  
 14300 N 76TH PL  
 215-56-1138



CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
8	17+59.57	250.00'	28°11'21"	123.00'	22°55'06"	62.77'



Raintree Drive Cst E Sta 74+24.81 =  
Evans Rd Cst E Sta 18+33.96



- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

## POINT ENGINEERS

### REMOVAL & RELOCATION NOTES

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	212
2 Remove Exst AC Pavement	SY	1,806
4 Remove Exst Curb & Gutter	LF	546
5 Remove Exst Sidewalk	SF	2,116
6 Remove Exst Single Curb	LF	188
11 Remove Exst Concrete Driveway	SF	513

### CONSTRUCTION NOTES

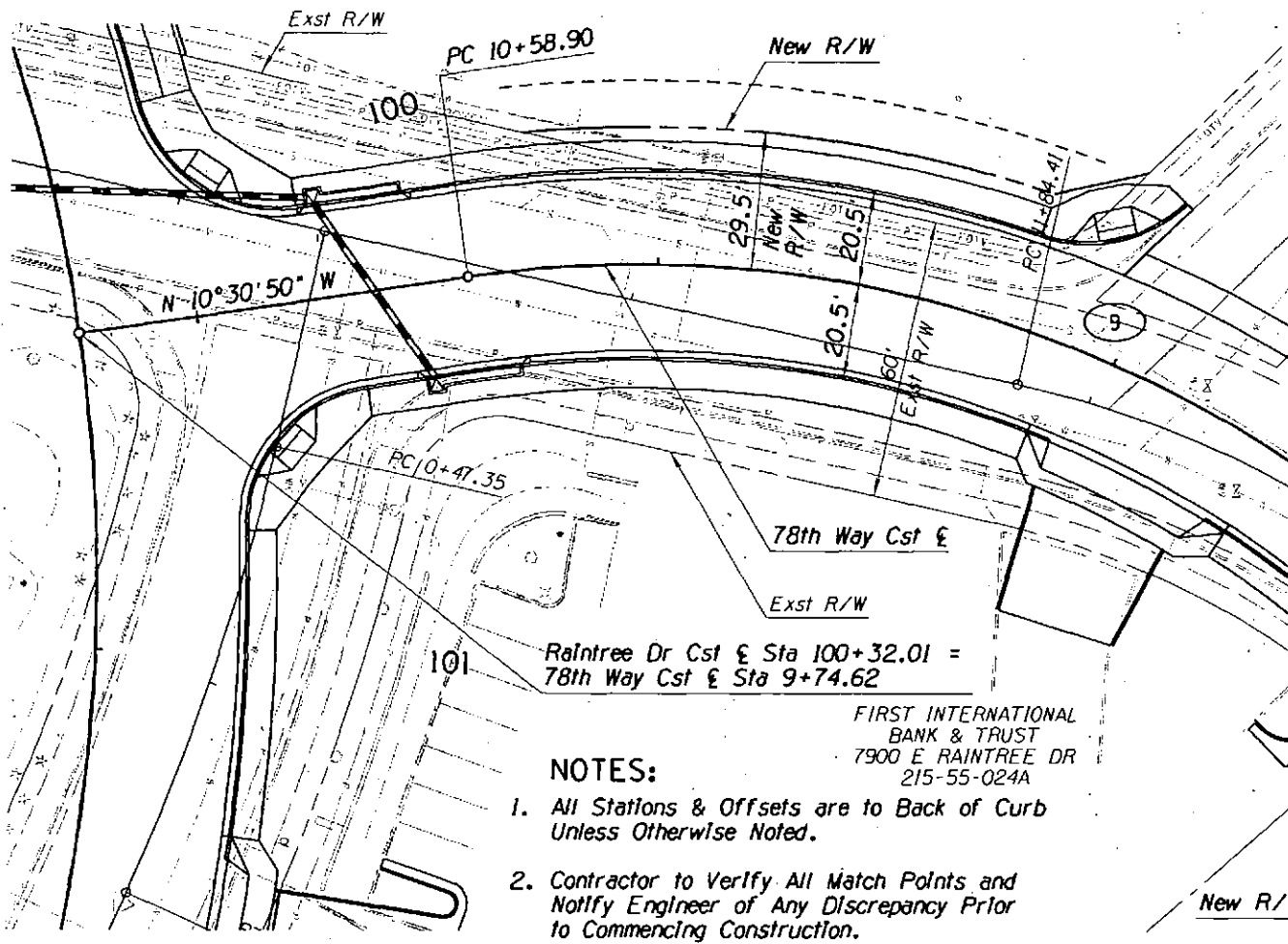
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,128
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	458
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	166
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	1,714
15 Construct Concrete Driveway per COS Std DII 2256	SF	2,031
26 Construct Catch Basin per MAG DII 532	EA	2
34 Install 18" RGRCP	LF	208
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



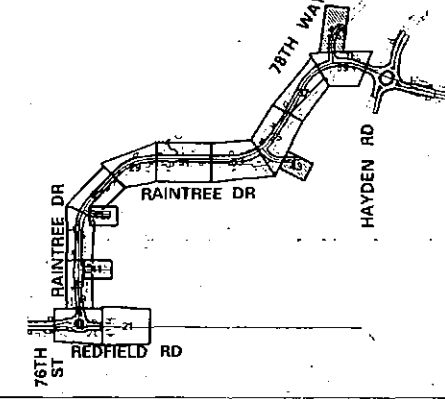
DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
30%	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
NOT FOR CONSTRUCTION OR RECORDING		
SHEET TITLE		
PLAN SHEET GELDING DRIVE & EVANS ROAD		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	NJO	06/14
VERT. XX	NJO	AS-BUILT
BID NO.	SHT.	
	P41	
PROJECT NO.	51103	
55 of 297		

PLOT DATE: 6/17/2014 9:42:11 AM

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CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
9	11+87.65	250.00'	54°29'50"	237.79'	22°55'06"	128.75'

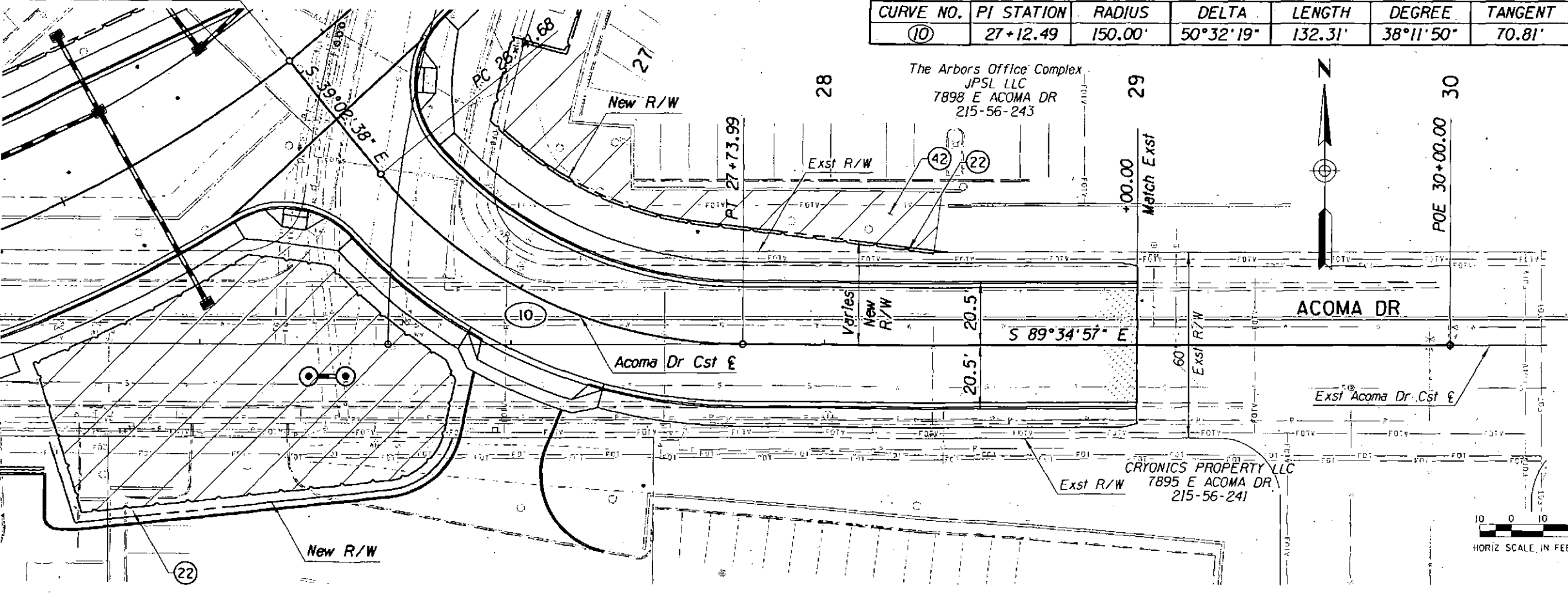


- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

RAIN TREE DRIVE  
FIRST INTERNATIONAL BANK & TRUST  
7900 E RAIN TREE DR  
215-55-024A

PREMIERE ARIZONA RENTALS LLC  
14980 N 78TH WAY  
215-56-224

Raintree Dr Cst E Sta 90+85.66 =  
Acoma Dr Cst E Sta 25+94.61



CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
10	27+12.49	150.00'	50°32'19"	132.31'	38°11'50"	70.81'

THE ARBORS OFFICE COMPLEX  
JPSL LLC  
7898 E ACOMA DR  
215-56-243

CRYONICS PROPERTY LLC  
7895 E ACOMA DR  
215-56-241

**POINT ENGINEERS**

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	276
2 Remove Exst AC Pavement	SY	1,981
4 Remove Exst Curb & Gutter	LF	988
5 Remove Exst Sidewalk	SF	3,585
6 Remove Exst Single Curb	LF	73
7 Remove Exst Valley Gutter	SF	669
8 Remove Exst Sidewalk Ramp	EA	2
11 Remove Exst Concrete Driveway	SF	857

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,520
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	1,059
4 Construct Single Curb per MAG Std DII 220-1, Type A	LF	196
6 Construct Concrete Valley Gutter per COS Std DII 2240	LF	749
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	4,990
9 Construct Sidewalk Ramp per COS Std DII 2234	EA	2
15 Construct Concrete Driveway per COS Std DII 2256	SF	1,621
22 Construct Retaining Wall	SF	1077
42 Regrade Exst Retention Basin	EA	1
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY

**30%**

NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**

**CAPITAL PROJECT MANAGEMENT**

7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251

**PLAN SHEET**

**78TH WAY & ACOMA DRIVE**

PROJECT TITLE: **RAIN TREE DRIVE EXTENSION**

**SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20'	DESIGNED: NJO	DATE: 06/14	BID NO.:	SHT. P43
VERT. XX	DRAWN: NJO	AS-BUILT	PROJECT NO. S1103	57 OF 297

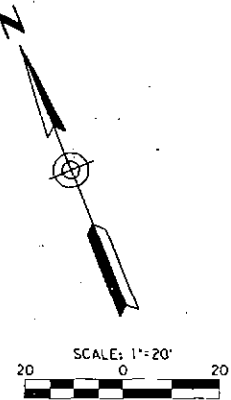
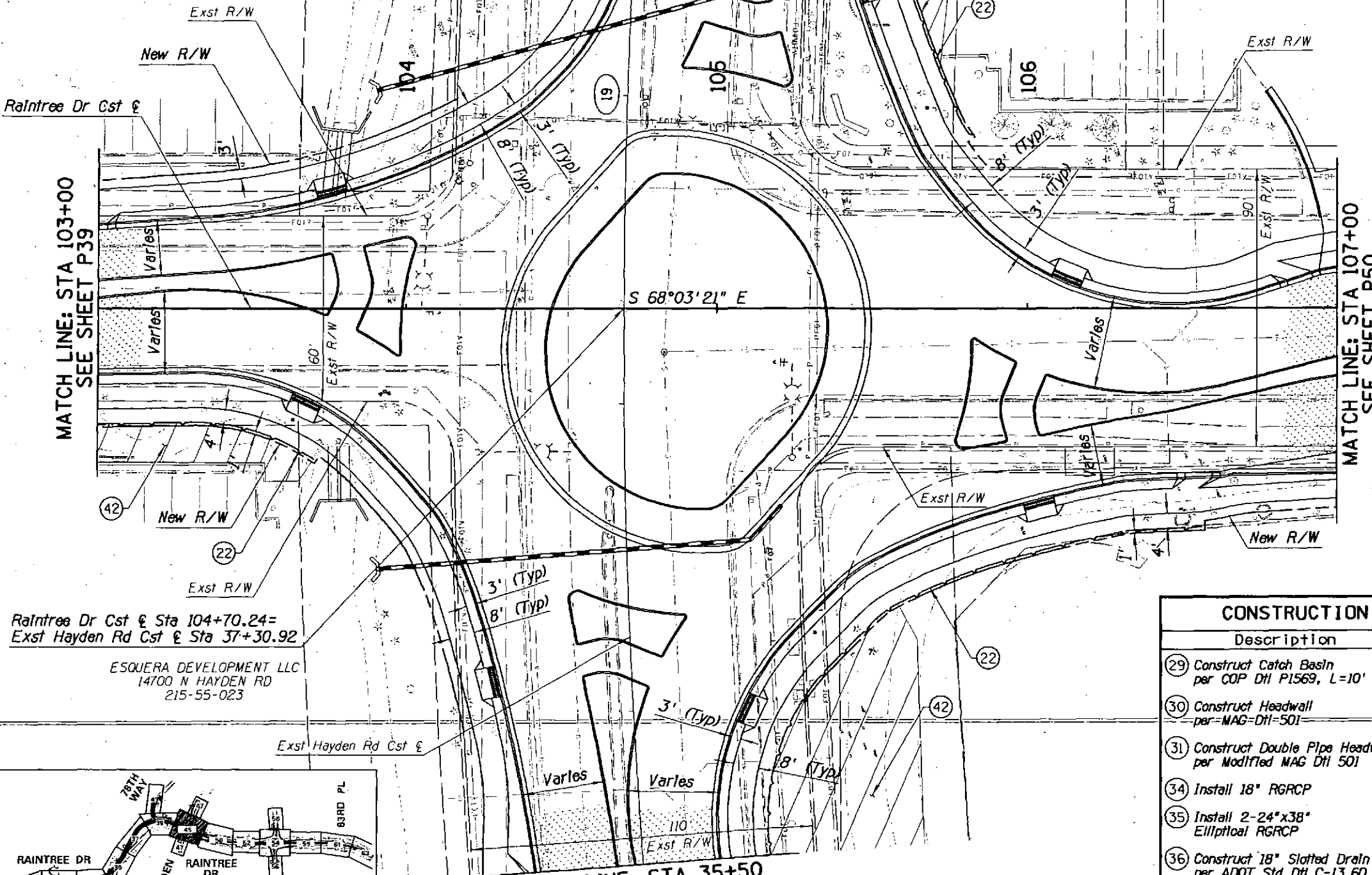


**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R4.

LECLAIR FARRAR LLC  
15000 N HAYDEN RD  
215-55-025

ESQUERA DEVELOPMENT LLC  
14700 N HAYDEN RD  
215-55-023



MATCH LINE: STA 103+00  
SEE SHEET P39

MATCH LINE: STA 107+00  
SEE SHEET P50

MATCH LINE: STA 35+50  
SEE SHEET P47

CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
19	41+47.96	2400.00'	57°10'31"	2394.95'	2°23'14"	1307.85'

CONSTRUCTION NOTES		
Description	Unit	Quan
29 Construct Catch Basin per COP Dtl P1569, L=10'	EA	2
30 Construct Headwall per MAG Dtl 501	EA	3
31 Construct Double Pipe Headwall, per Modified MAG Dtl 501	EA	2
34 Install 18" RGRCP	LF	380
35 Install 2-24"x38" Elliptical RGRCP	LF	80
36 Construct 18" Slotted Drain per ADOT Std Dtl C-13.60	LF	15
42 Regrade Exst Retention Basin	EA	3
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	53
2 Remove Exst AC Pavement	SY	4,267
4 Remove Exst Curb & Gutter	LF	1,112
5 Remove Exst Sidewalk	SF	7,796
6 Remove Exst Single Curb	LF	474
7 Remove Exst Valley Gutter	SF	822
8 Remove Exst Sidewalk Ramp	EA	6
9 Remove Exst Catch Basin	EA	2
12 Remove Exst Traffic Equipment	EA	1

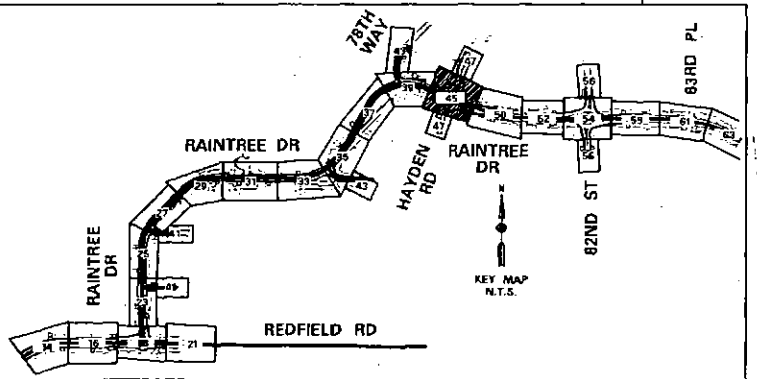
**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	4,029
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	1,030
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	1,368
5 Construct Curb & Gutter per MAG Std Dtl 220-1, Type C	LF	387
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	444
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	8
10 Install Detectable Warning Surface per COS Std Dtl 2231	EA	8
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	7,812
13 Construct 4" Concrete Pavement	SY	573
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	258
18 Install Bike Ramp per Dtl on Sheet XXX	EA	3
22 Construct Retaining Wall	SF	778
26 Construct Catch Basin per MAG Dtl 532	EA	1



DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE <b>PLAN SHEET RAINTREE DRIVE STA 103+00 TO STA 107+00</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MOB DRAWN WBE	DATE 06/14 AS-BUILT PROJECT NO. S1103
		SHT. P45 59 of 297

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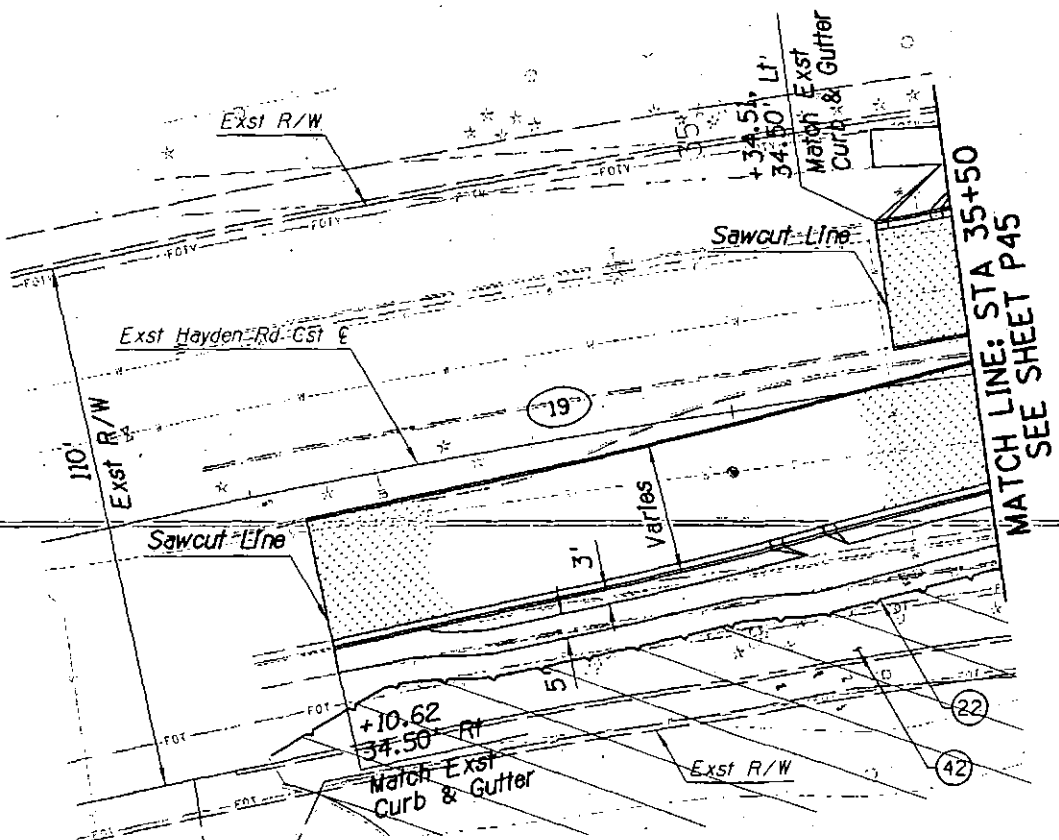
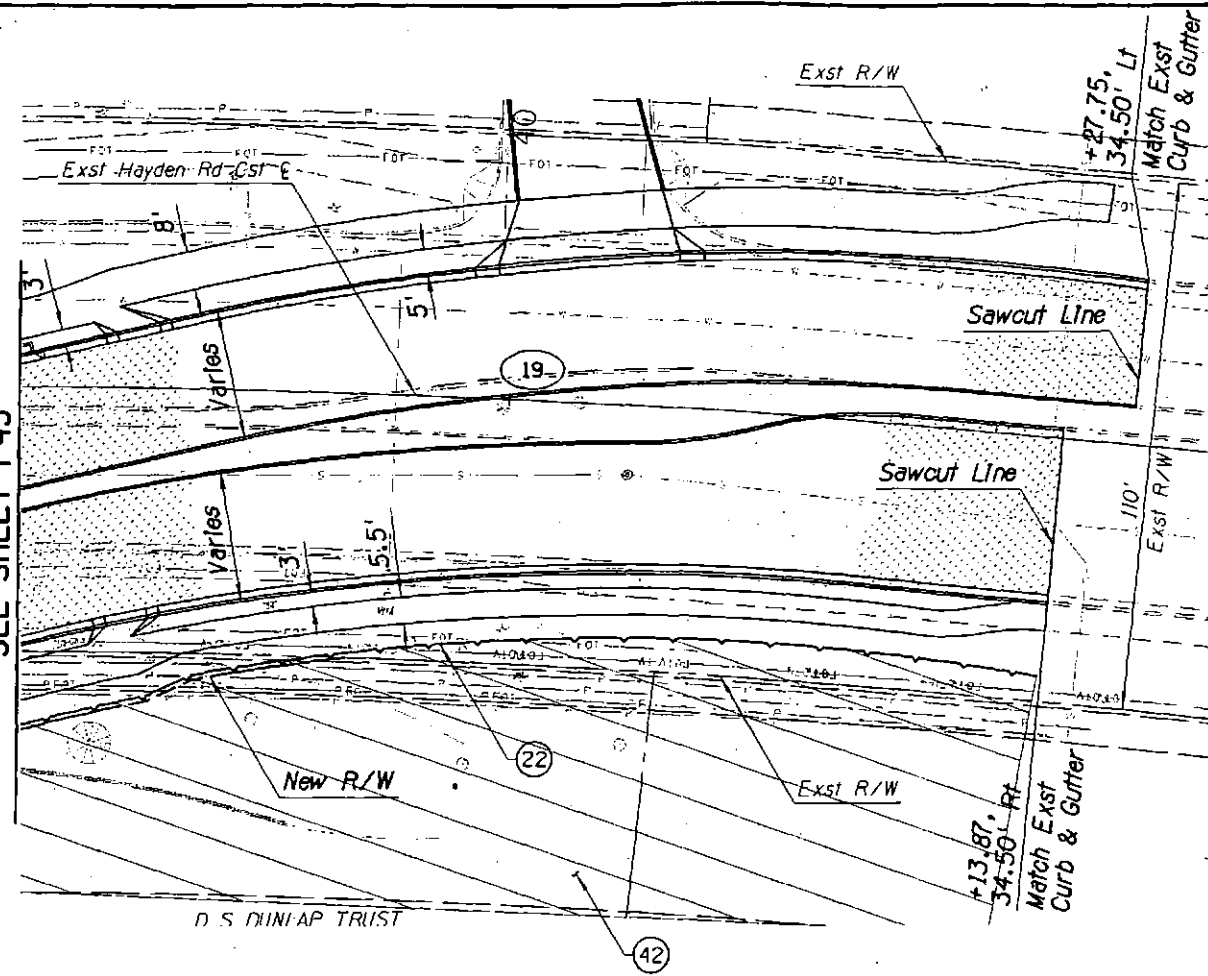
**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	166
2 Remove Exst AC Pavement	SY	2,011
4 Remove Exst Curb & Gutter	LF	508
5 Remove Exst Sidewalk	SF	3,374
6 Remove Exst Single Curb	LF	592
7 Remove Exst Valley Gutter	SF	401
8 Remove Exst Sidewalk Ramp	EA	2

**CONSTRUCTION NOTES**

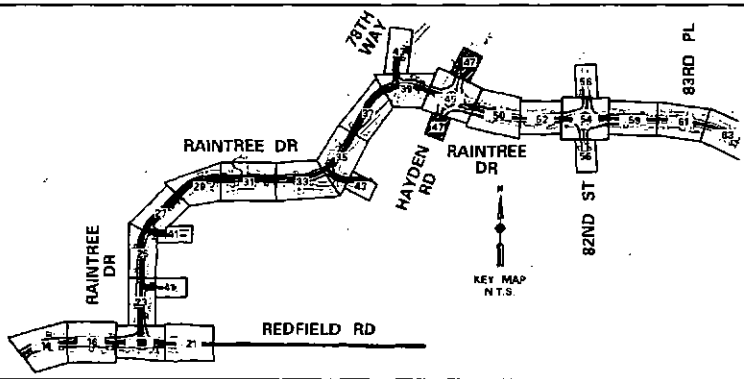
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,725
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	497
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	603
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	2,856
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	1,035
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	1,545
18 Install Bike Ramp per Dtl on Sheet XXX	EA	4
22 Construct Retaining Wall	SF	1,406
42 Regrade Exst Retention Basin	EA	2
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

MATCH LINE: STA 39+00  
SEE SHEET P45

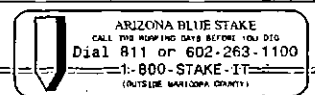
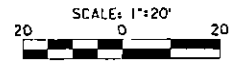


**NOTES:**

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- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
- For Additional Roundabout Information See Sheet R4.



CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
19	41+47.96	2400.00'	57°10'31"	2394.95'	2°23'14"	1307.85'



DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
PLAN SHEET NORTH & SOUTH HAYDEN ROAD		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MOB	06/14
VERT. XX	WBE	AS-BUILT
		BID NO.
		SHT. P47
		PROJECT NO. S1103
		61 of 297



**NOTES:**

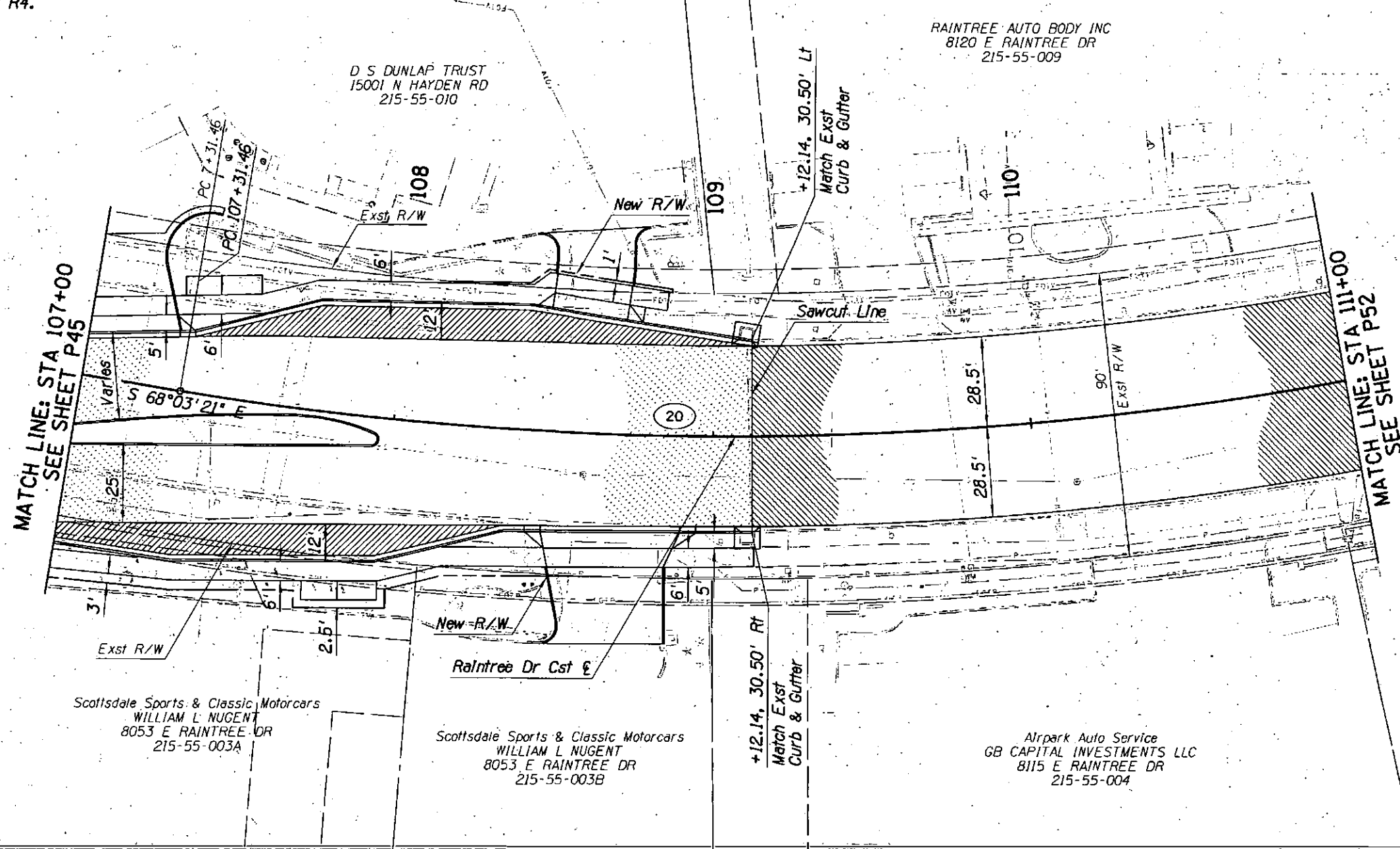
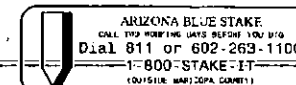
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
- For Additional Roundabout Information See Sheet R4.

**REMOVAL & RELOCATION NOTES**

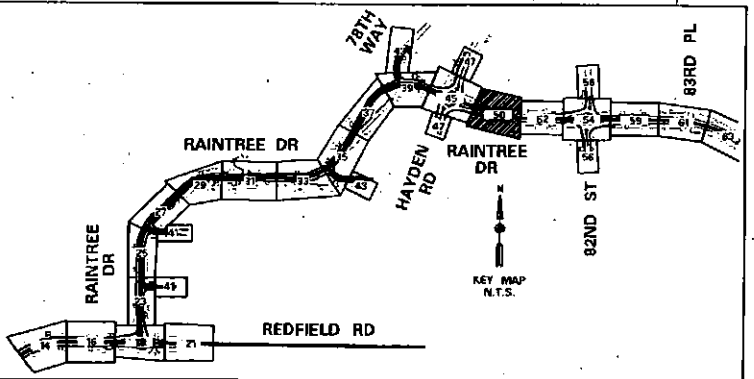
Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	190
2 Remove Exst AC Pavement	SY	1,518
4 Remove Exst Curb & Gutter	LF	352
5 Remove Exst Sidewalk	SF	2,403
7 Remove Exst Valley Gutter	SF	493
8 Remove Exst Sidewalk Ramp	EA	2
9 Remove Exst Catch Basin	EA	2
11 Remove Exst Concrete Driveway	SF	355
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	1,190

**CONSTRUCTION NOTES**

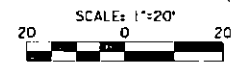
Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,286
2 Construct AC Structural Section No. 2	SY	1,190
3 Construct Vertical Curb & Gutter per MAG Std DII 220-1, Type A	LF	346
4 Construct Single Curb per MAG Std DII 222, Type A	LF	196
7 Construct Concrete Sidewalk per MAG Std DII 230	SF	1,901
11 Construct Median Nose Paving per COS Std DII 2226	EA	1
15 Construct Concrete Driveway per COS Std DII 2256	SF	3,015
23 Construct New Busbay per COS Std DII 2266-1	EA	2
26 Construct Catch Basin per MAG DII 532	EA	2
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



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CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
20	109+35.62	1075.00	21°30'24"	403.51	5°19'47"	204.16



DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
		<b>PUBLIC WORKS</b> CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE: <b>PLAN SHEET RAINTREE DRIVE STA 107+00 TO STA 111+00</b>		
PROJECT TITLE: <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101</b>		
SCALE: HORIZ. 1"=20'	DESIGNED: MDB	DATE: 06/14
VERT. XX	DRAWN: WBE	AS-BUILT
		BID NO. PROJECT NO. S1103
		SHT. P50 64 of 297

**NOTES:**

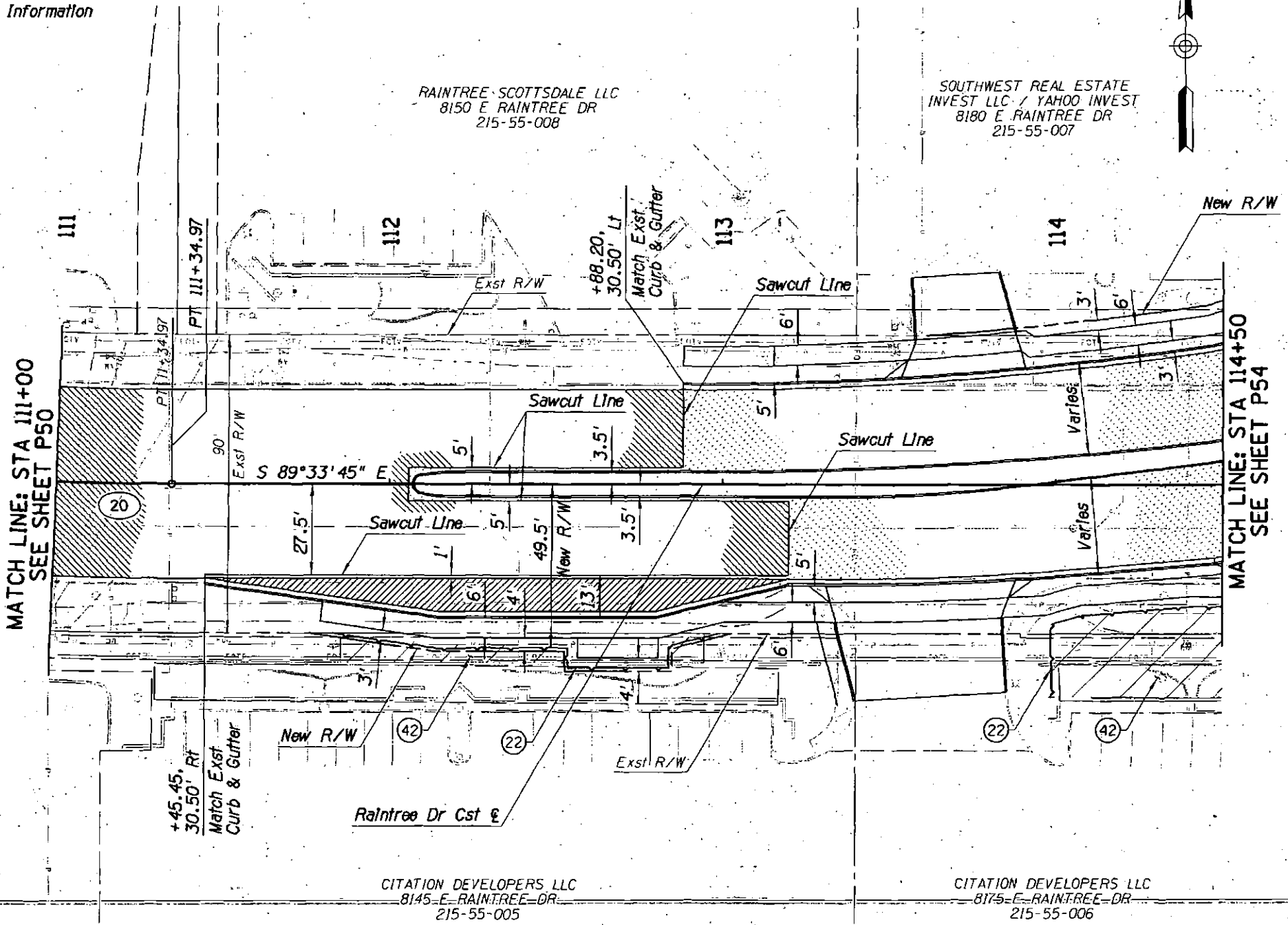
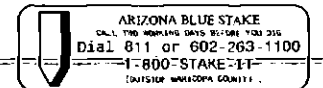
1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R5.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	343
2 Remove Exst AC Pavement	SY	1,095
4 Remove Exst Curb & Gutter	LF	207
5 Remove Exst Sidewalk	SF	2,671
7 Remove Exst Valley Gutter	SF	546
8 Remove Exst Sidewalk Ramp	EA	2
10 Remove Exst Wall	LF	123
11 Remove Exst Concrete Driveway	SF	1,276
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	1,163

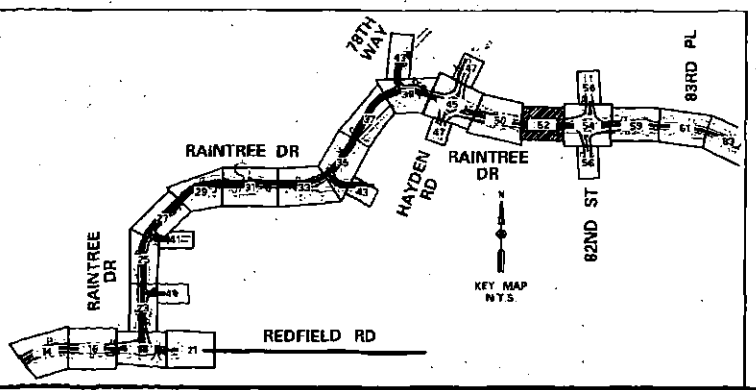
**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	878
2 Construct AC Structural Section No. 2	SY	1,163
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	360
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	489
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	1,918
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	81
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	2,819
22 Construct Retaining Wall	SF	528
23 Construct New Busbay per COS Std Dtl 2266-1	EA	1
42 Regrade Exst Retention Basin	EA	1
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

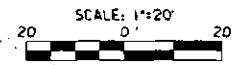


CITATION DEVELOPERS LLC  
 8145 E. RAIN TREE DR  
 215-55-005

CITATION DEVELOPERS LLC  
 8175 E. RAIN TREE DR  
 215-55-006



CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
20	109+35.62	1075.00	21°30'24"	403.51	5°19'47"	204.16



DATE	REVISION	BY
PRELIMINARY	30%	NOT FOR CONSTRUCTION OR RECORDING
		<b>PUBLIC WORKS</b> <b>CAPITAL PROJECT MANAGEMENT</b> 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE <b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 111+00 TO STA 114+50</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MDB	DATE 06/14
DRAWN WBE	AS-BUILT	BID NO. S1103
		SHT. P52
		66 of 297

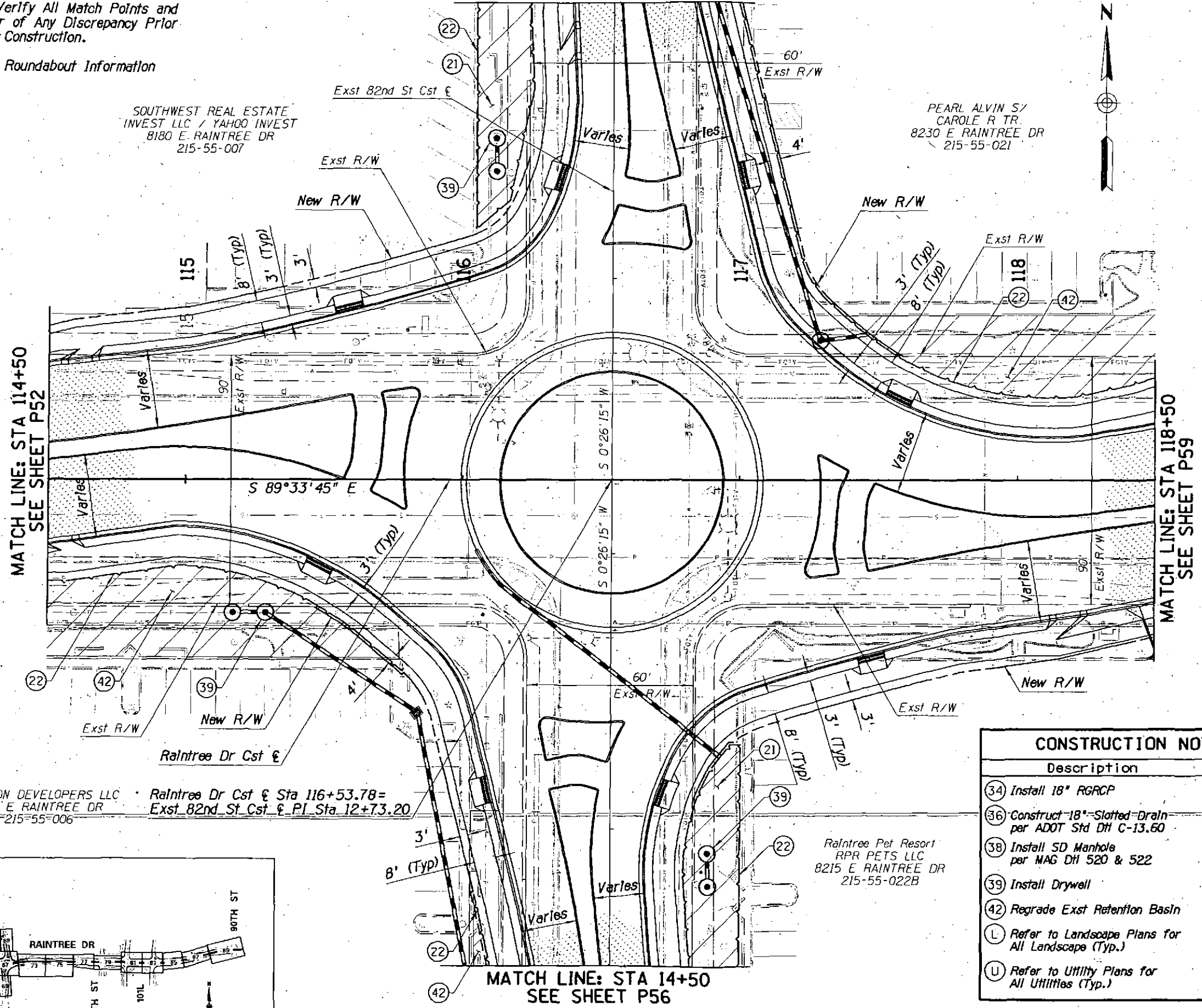
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**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
- For Additional Roundabout Information See Sheet R5.

MATCH LINE: STA 11+00  
 SEE SHEET P56



MATCH LINE: STA 114+50  
 SEE SHEET P52

MATCH LINE: STA 118+50  
 SEE SHEET P59

MATCH LINE: STA 14+50  
 SEE SHEET P56

SOUTHWEST REAL ESTATE  
 INVEST LLC / YAHOO INVEST  
 8180 E. RAIN TREE DR  
 215-55-007

PEARL ALVIN S/  
 CAROLE R TR.  
 8230 E RAIN TREE DR  
 215-55-021

CITATION DEVELOPERS LLC  
 8175 E RAIN TREE DR  
 215-55-006

Raintree Dr Cst & Sta 116+53.78=  
 Exst 82nd St Cst & PI Sta 12+73.20

Raintree Pet Resort  
 RPR PETS LLC  
 8215 E RAIN TREE DR  
 215-55-022B

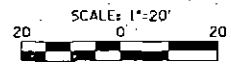
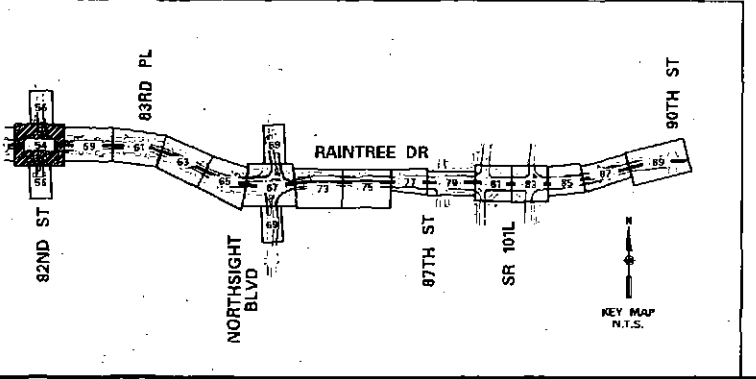
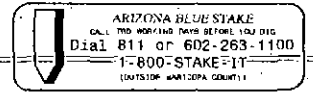
CONSTRUCTION NOTES		
Description	Unit	Quan
34) Install 18" RGRCP	LF	102
36) Construct 18"-Slotted-Drain per ADOT Std Dtl C-13.60	LF	15
38) Install SD Manhole per MAG Dtl 520 & 522	EA	1
39) Install Drywell	EA	3
42) Regrade Exst Retention Basin	EA	2
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
2) Remove Exst AC Pavement	SY	3,733
4) Remove Exst Curb & Gutter	LF	1,186
5) Remove Exst Sidewalk	SF	7,167
7) Remove Exst Valley Gutter	SF	666
8) Remove Exst Sidewalk Ramp	EA	8
10) Remove Exst Wall	LF	843
12) Remove Exst Traffic Equipment	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1) Construct AC Structural Section No. 1	SY	3,996
3) Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	1,012
4) Construct Single Curb per MAG Std Dtl 222, Type A	LF	1,419
5) Construct Curb & Gutter per MAG Std Dtl 220-1, Type C	LF	330
7) Construct Concrete Sidewalk per MAG Std Dtl 230	SF	196
9) Construct Sidewalk Ramp per COS Std Dtl 2234	EA	8
10) Install Detectable Warning Surface per COS Std Dtl 2231	EA	8
12) Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	8,299
13) Construct 4" Concrete Pavement	SY	512
15) Construct Concrete Driveway per COS Std Dtl 2256	SF	74
18) Install Bike Ramp per Dtl on Sheet XXX	EA	4
21) Construct Retention Basin	EA	2
22) Construct Retaining Wall	SF	2,025
27) Construct Catch Basin per MAG Dtl 535	EA	1
33) Install 12" RGRCP	LF	341



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**CITY OF SCOTTSDALE**  
 PUBLIC WORKS  
 CAPITAL PROJECT MANAGEMENT  
 7447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET  
 RAIN TREE DRIVE  
 STA 114+50 TO STA 118+50**

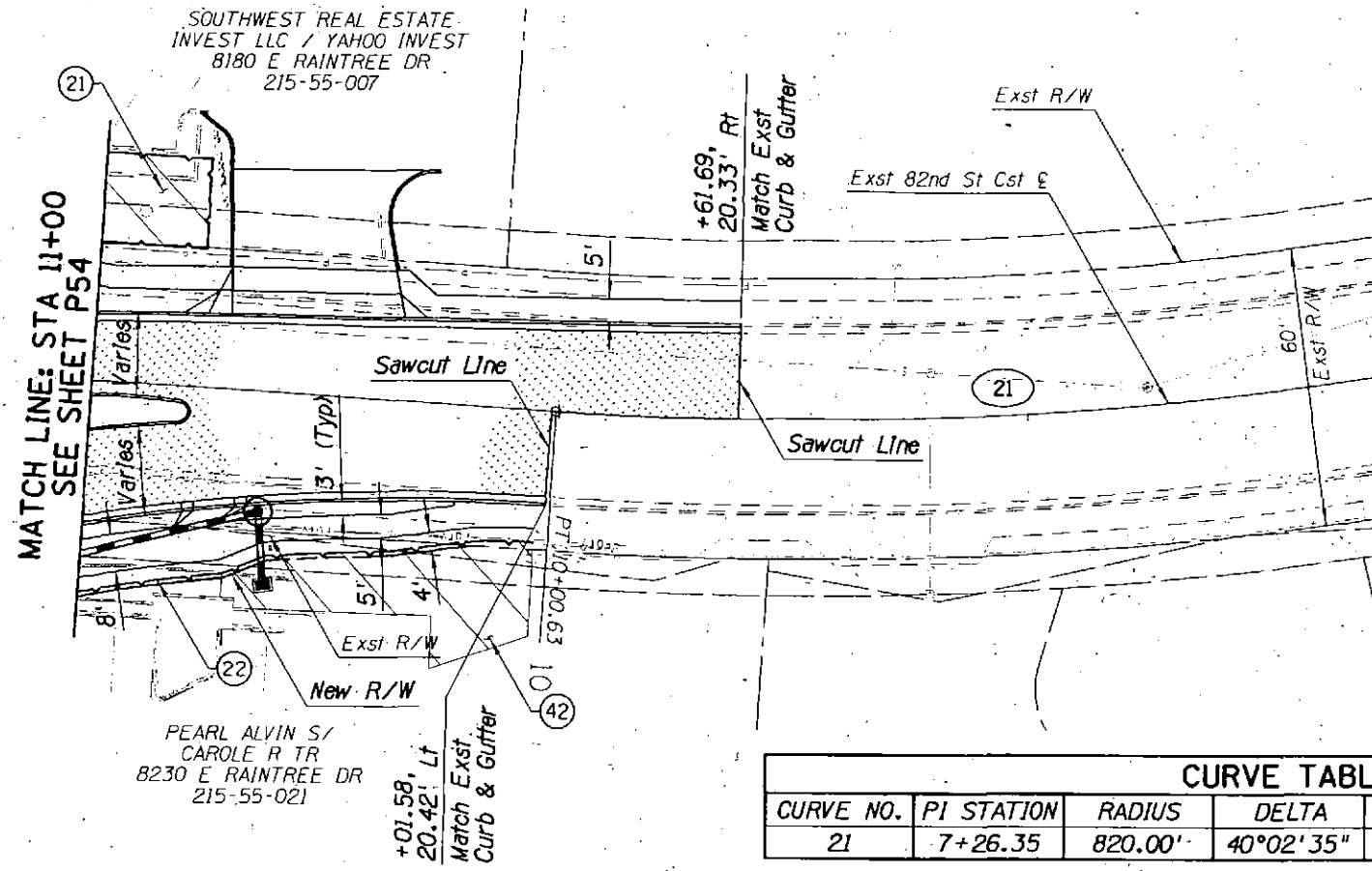
PROJECT TITLE: **RAIN TREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20'	DESIGNED: MDB	DATE: 06/14	BID NO.:	SHT. P54
VERT. XX	DRAWN: WBE	AS-BUILT:	PROJECT NO. S1103	68 OF 297

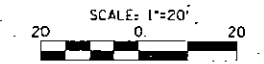
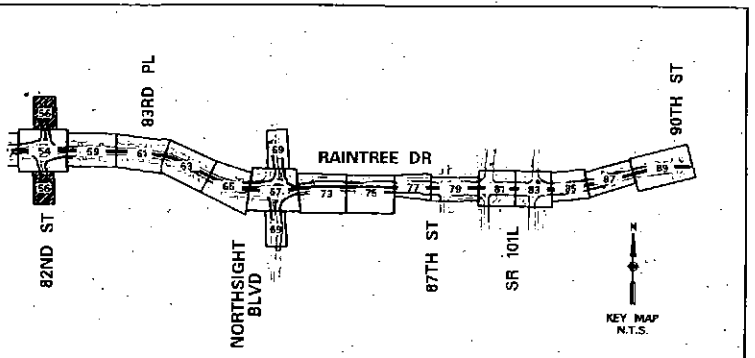
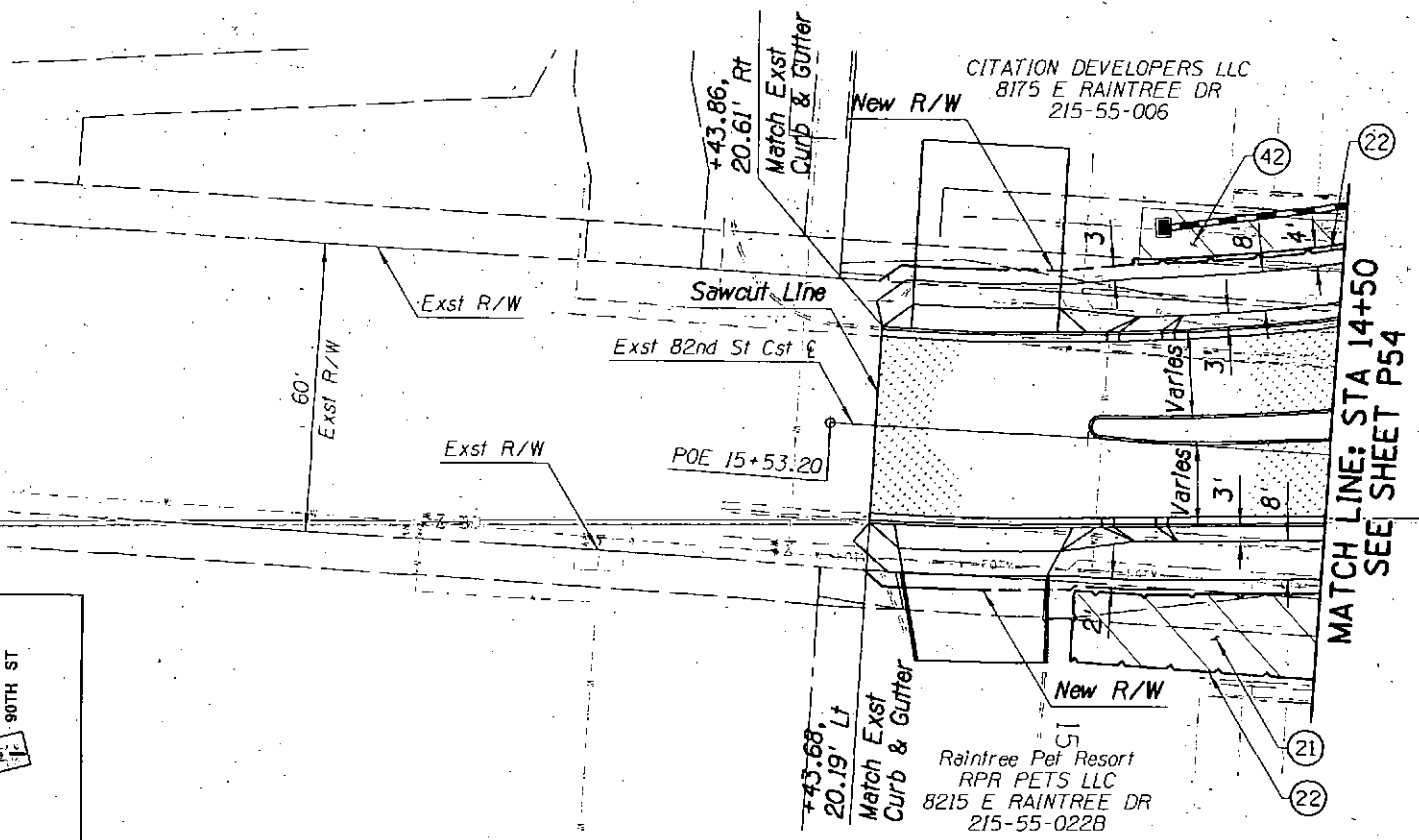
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**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R5.



CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
21	7+26.35	820.00'	40°02'35"	573.08'	6°59'14"	298.80'



TRANSPORTATION  
**AECOM**  
AECOM TECHNICAL SERVICES, Inc.  
 2325 E. Camelback Rd., Suite 200  
 Phoenix, Arizona 85016  
 T: 602.337.2700  
 WWW.AECOM.COM

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**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	244
2 Remove Exst AC Pavement	SY	997
4 Remove Exst Curb & Gutter	LF	425
5 Remove Exst Sidewalk	SF	1,507
11 Remove Exst Concrete Driveway	SF	1,254

---

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	826
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	236
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	145
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	888
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	2
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	1,199
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	3,463
18 Install Bike Ramp per Dtl on Sheet XXX	EA	3
21 Construct Retention Basin	EA	2
22 Construct Retaining Wall	SF	826
27 Construct Catch Basin per MAG Dtl 535	EA	2
33 Install 12" RGRCP	LF	92
38 Install SD Manhole per MAG Dtl 520 & 522	EA	1
42 Regrade Exst Retention Basin	EA	2
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

---

ARIZONA BLUE STAKE  
CALL THIS NUMBER FOR DATES BEFORE 1:00 P.M.  
 Dial 811 or 602-263-1100  
 1-800-STAKE-11  
 (OUTSIDE MARICOPA COUNTY)

---

DATE	REVISION	BY
ENGINEER	<b>PUBLIC WORKS</b>	
<b>PRELIMINARY</b>	<b>30%</b>	
NOT FOR CONSTRUCTION OR RECORDING	<b>CAPITAL PROJECT MANAGEMENT</b>	
SHEET TITLE <b>PLAN SHEET</b> <b>NORTH &amp; SOUTH 82ND STREET</b>		
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MDB DRAWN WBE	DATE 06/14 AS-BUILT
BID NO.	SHT. P56	PROJECT NO. S1103
		70 of 297



**NOTES:**

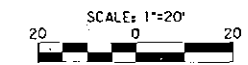
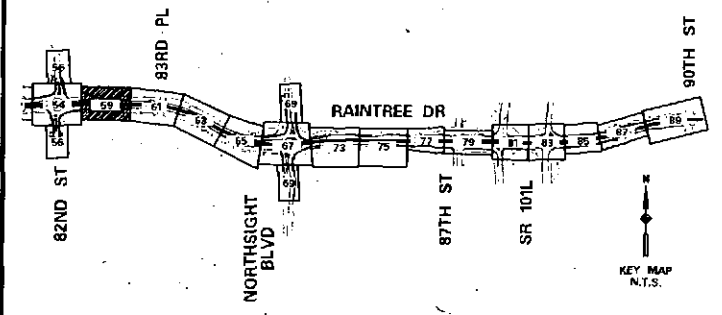
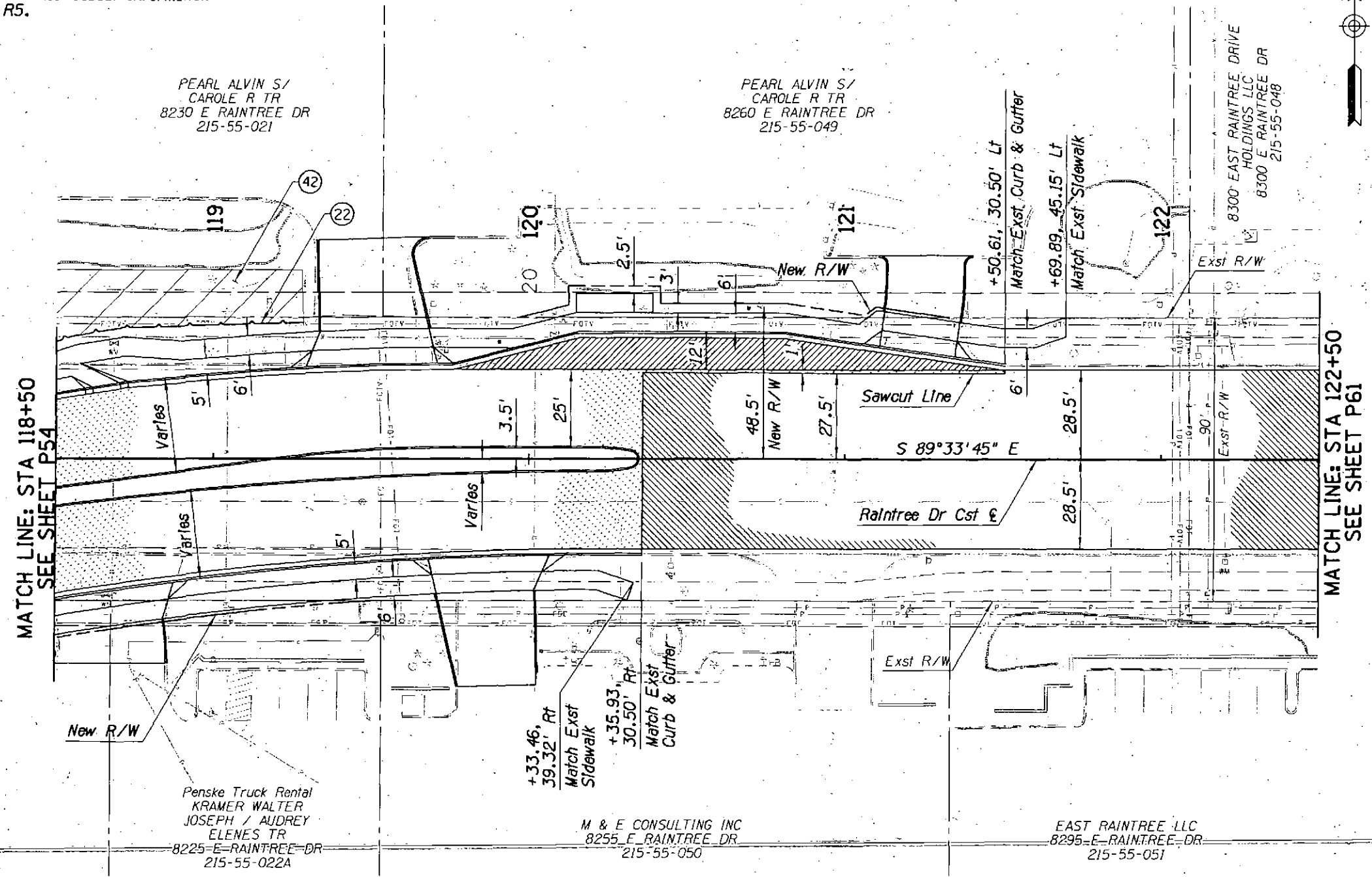
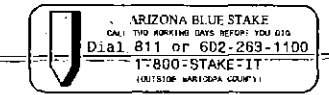
1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R5.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	322
2 Remove Exst AC Pavement	SY	1,477
4 Remove Exst Curb & Gutter	LF	487
5 Remove Exst Sidewalk	SF	2,818
11 Remove Exst Concrete Driveway	SF	1,545
14 Remove Exst AC Pavement (1/2" Milling)	SY	1,342

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,075
2 Construct AC Structural Section No. 2	SY	1,342
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	298
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	373
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	2,125
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	116
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	4,523
18 Install Bike Ramp per Dtl on Sheet XXX	EA	1
22 Construct Retaining Wall	SF	158
23 Construct New Busbay per COS Std Dtl 2266-1	EA	1
42 Regrade Exst Retention Basin	EA	1
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85291
SHEET TITLE		
PLAN SHEET RAIN TREE DRIVE STA 118+50 TO STA 122+50		
PROJECT TITLE		
RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ: 1"=20'	MOB	06/14
VERT: XX	WBE	AS-BUILT
	BID NO.	SHT.
	SI103	P59
	PROJECT NO.	73 OF 297

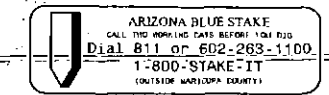
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 PLC DATE: 6/18/2014

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	2,534

**CONSTRUCTION NOTES**

Description	Unit	Quan
2 Construct AC Structural Section No. 2	SY	2,534
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY  
**30%**  
 NOT FOR CONSTRUCTION OR RECORDING

**PUBLIC WORKS**  
 CAPITAL PROJECT MANAGEMENT

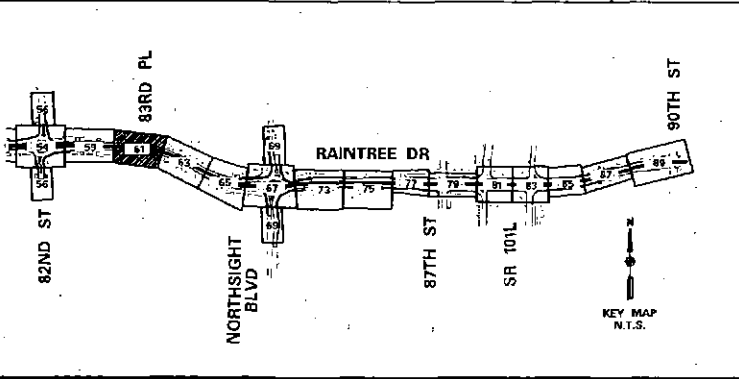
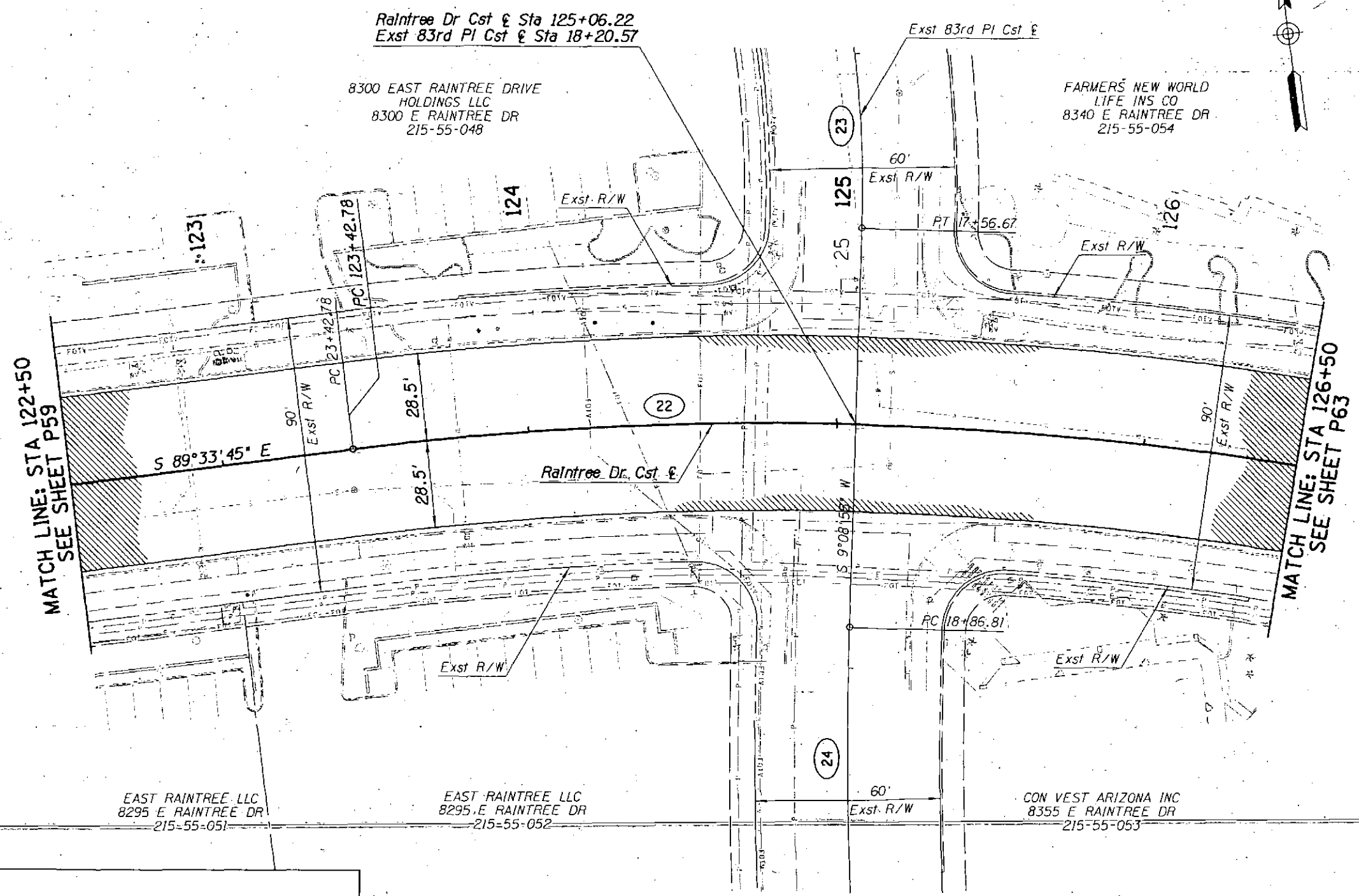
ARIZONA  
 1447 E. INDIAN SCHOOL RD.  
 SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAINTREE DRIVE STA 122+50 TO STA 126+50**

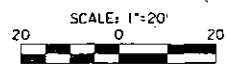
PROJECT TITLE: **RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE: HORIZ. 1"=20'	DESIGNED: MDB 06/14	BY: [ ]	SHEET: P61
VERT. XX	DRAWN: WBE AS-BUILT	PROJECT NO. S1103	75 of 297

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
22	126+12.27	1075.00'	28°08'46"	528.09'	5°19'47"	269.48'
23	17+26.27	400.00'	8°43'41"	60.93'	14°19'26"	30.53'
24	19+88.44	1331.72'	8°43'41"	202.87'	4°18'09"	101.63'



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**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	100
2 Remove Exst AC Pavement	SY	50
4 Remove Exst Curb & Gutter	LF	16
5 Remove Exst Sidewalk	SF	97
6 Remove Exst Single Curb	LF	76
14 Remove Exst AC Pavement (1/2" Milling)	SY	2,461

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	82
2 Construct AC Structural Section No. 2	SY	2,461
3 Construct Vertical Curb & Gutter per MAG Std DH 220-1, Type A	LF	15
7 Construct Concrete Sidewalk per MAG Std DH 230	SF	92
L Refer to Landscape Plans for All Landscapes (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY **30%** PUBLIC WORKS  
 NOT FOR CONSTRUCTION OR RECORDING  
 CAPITAL PROJECT MANAGEMENT

SHEET TITLE: PLAN SHEET RAINTREE DRIVE STA 126+50 TO STA 130+50

PROJECT TITLE: RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L

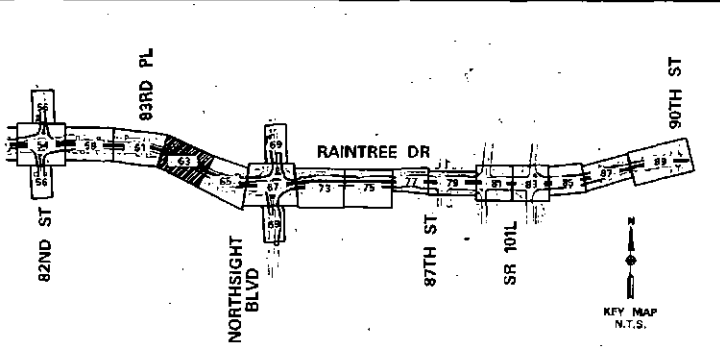
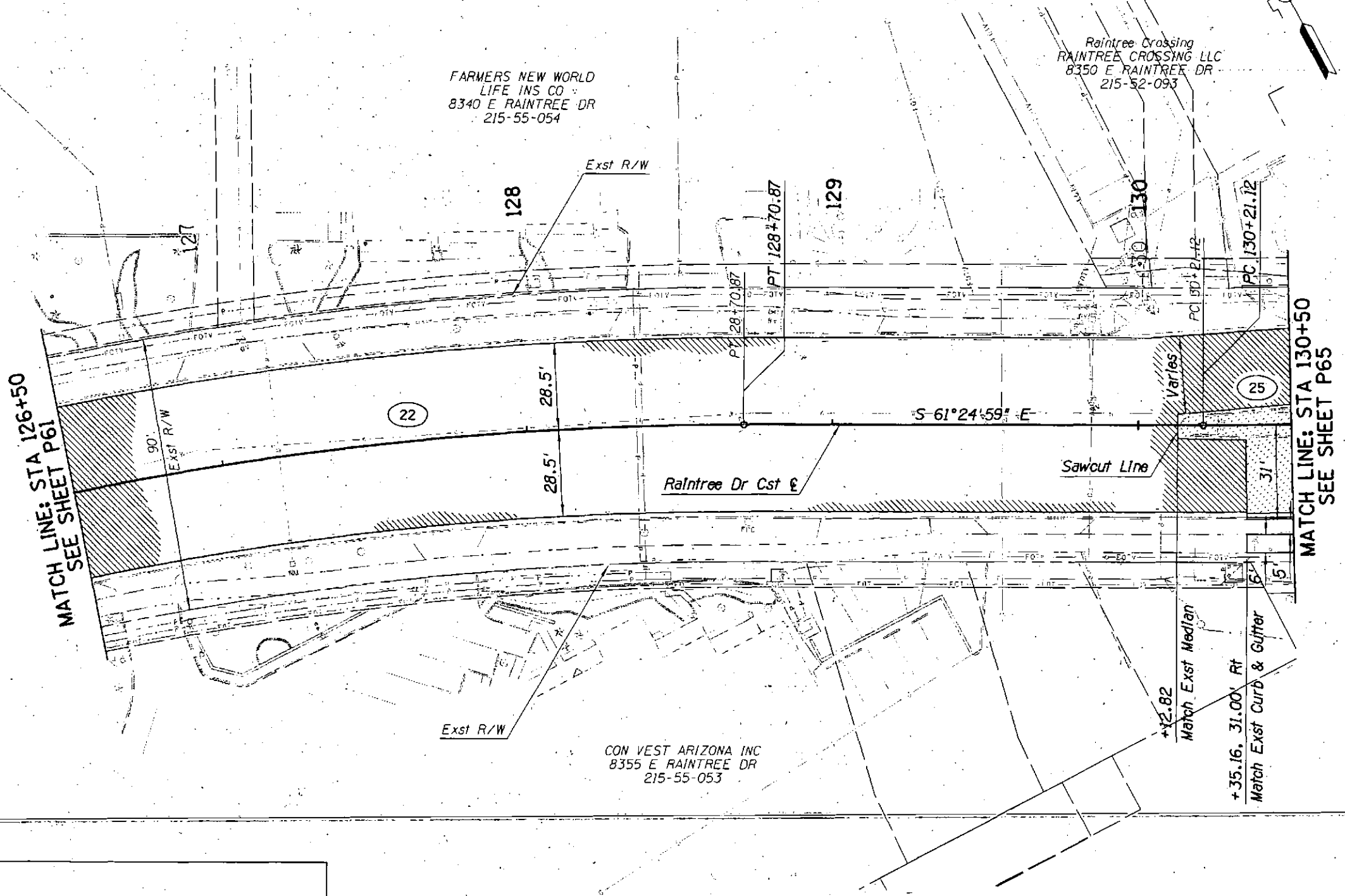
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 VERT. XX

DESIGNED: MDB  
 DRAWN: WBE

DATE: 06/14  
 AS-BUILT

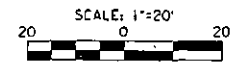
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 PROJECT NO. S1103  
 SHT. P63  
 77 of 297

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**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
22	126+12.27	1075.00	28°08'46"	528.09	5°19'47"	269.48
25	133+48.85	1050.00	34°40'08"	635.34	5°27'24"	327.73



**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R6.

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	166
2 Remove Exst AC Pavement	SY	2,140
4 Remove Exst Curb & Gutter	LF	538
5 Remove Exst Sidewalk	SF	3,577
6 Remove Exst Single Curb	LF	699
7 Remove Exst Valley Gutter	SF	681
8 Remove Exst Sidewalk Ramp	EA	4
11 Remove Exst Concrete Driveway	SF	2,140
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	292

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	1,763
2 Construct AC Structural Section No. 2	SY	293
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	526
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	640
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	994
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	2,809
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	4
11 Construct Median Nose Paving per COS Std Dtl 2226	EA	1
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	358
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	748
18 Install Bike Ramp per Dtl on Sheet XXX	EA	1
23 Construct New Busbay per COS Std Dtl 2266-1	EA	1

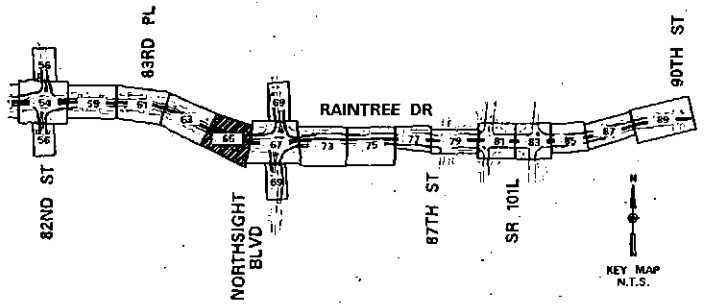
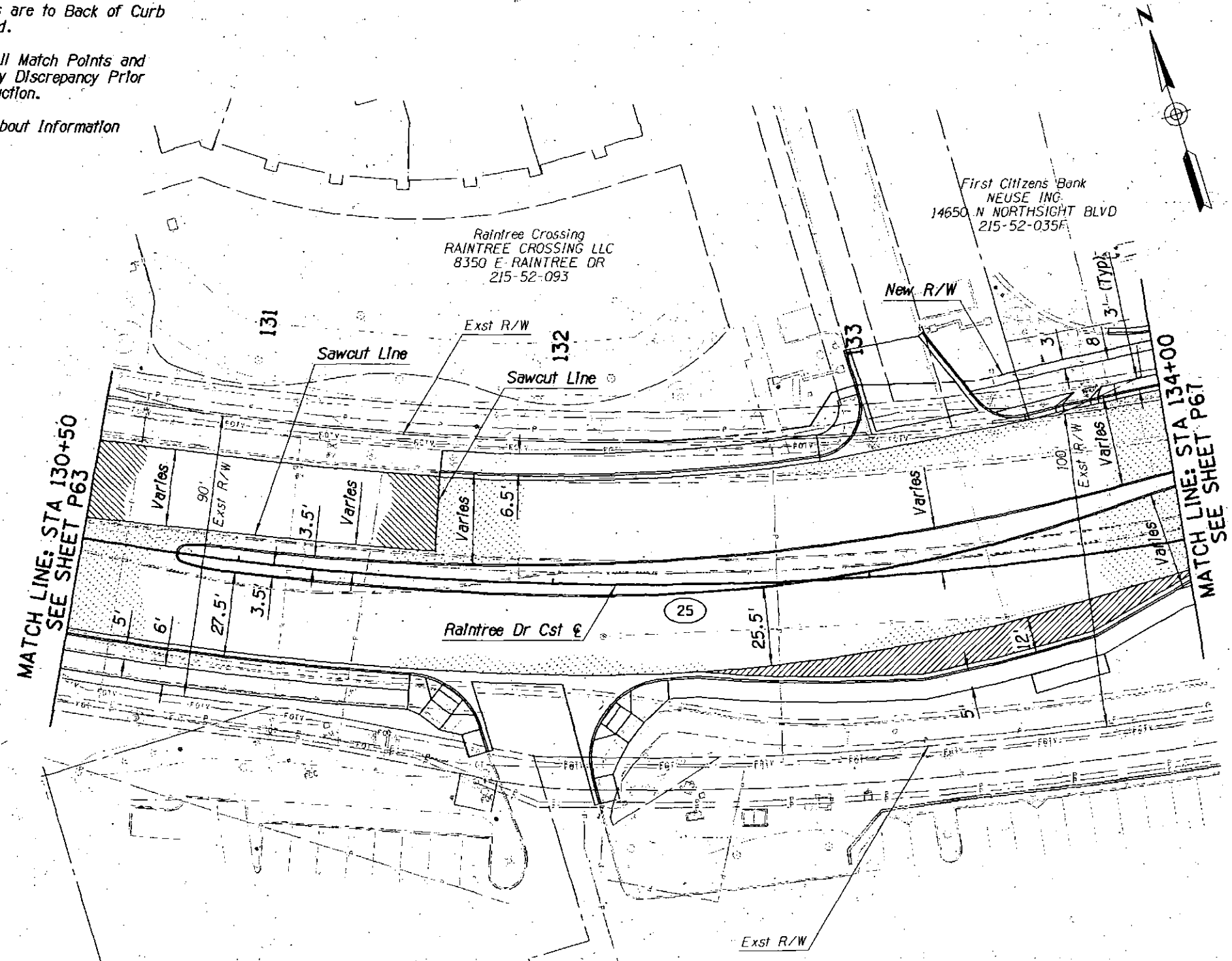
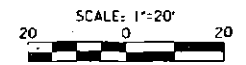


**CONSTRUCTION NOTES**

Description	Unit	Quan
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
25	133+48.85	1050.00	34°40'08"	635.34	5°27'24"	327.73



La Petite-Academy  
 DER ENTERPRISES  
 LIMITED PARTNERSHIP  
 8433 E RAINTREE DR  
 215-53-007A

Northsight Financial Center  
 NORTHSITE FINANCIAL OFFICE PARK INC  
 14500 N NORTHSIGHT BLVD  
 215-53-007D

DESIGN FILE: P:\A62261893\CAD\006\_Civil\Sheets\scos177\_P31.dgn PLOT DATE: 6/18/2014 10:53:23 AM

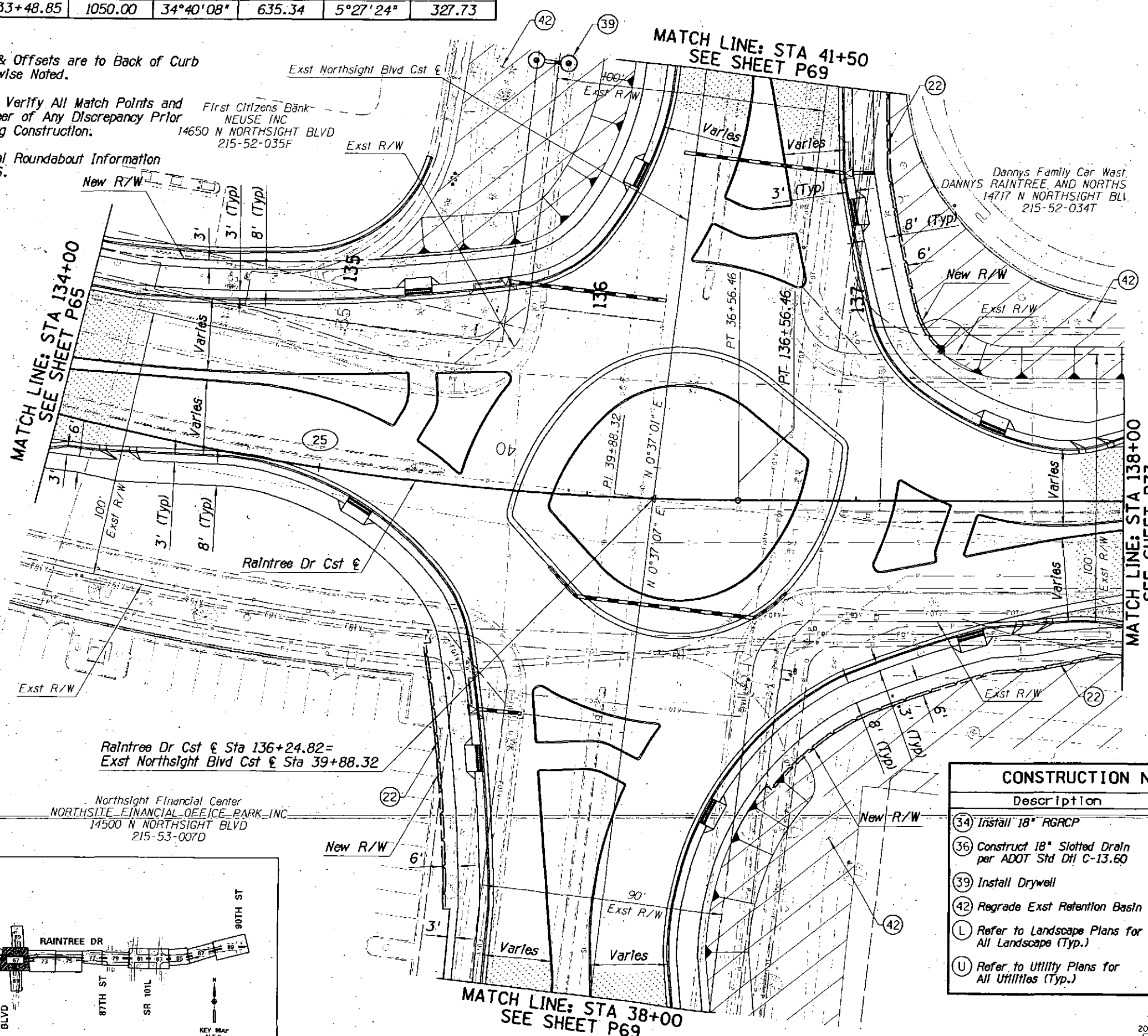
DATE	REVISION	BY
ENGINEER		
PRELIMINARY		PUBLIC WORKS
<b>30%</b>		CAPITAL PROJECT MANAGEMENT
NOT FOR CONSTRUCTION OR RECORDING		7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 130+50 TO STA 134+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DATE	BND NO.
HORIZ. 1"=20'	DESIGNED MDB 06/14	SHT. P65
VERT. XX	AS-BUILT	PROJECT NO. S1103
		79 of 297



CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
25	133+48.85	1050.00	34°40'08"	635.34	5°27'24"	327.73

**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
- For Additional Roundabout Information See Sheet R6.



MATCH LINE: STA 134+00  
SEE SHEET P65

MATCH LINE: STA 41+50  
SEE SHEET P69

MATCH LINE: STA 138+00  
SEE SHEET P73

MATCH LINE: STA 38+00  
SEE SHEET P69

Raintree Dr Cst @ Sta 136+24.82=  
Exst Northsight Blvd Cst @ Sta 39+88.32

Northsight Financial Center  
NORTHSITE FINANCIAL OFFICE PARK INC  
14500 N NORTHSIGHT BLVD  
215-53-0070

CONSTRUCTION NOTES		
Description	Unit	Quan
34) Install 18" RGRCP	LF	204
36) Construct 18" Slotted Drain per ADOT Std Dtl C-13.60	LF	30
39) Install Drywell	EA	1
42) Regrade Exst Retention Basin	EA	3
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
2) Remove Exst AC Pavement	SY	5,767
4) Remove Exst Curb & Gutter	LF	1,129
5) Remove Exst Sidewalk	SF	7,239
6) Remove Exst Single Curb	LF	914
8) Remove Exst Sidewalk Ramp	EA	8
9) Remove Exst Catch Basin	EA	3
10) Remove Exst Wall	LF	26
11) Remove Exst Concrete Driveway	SF	1,258
12) Remove Exst Traffic Equipment	EA	1

**CONSTRUCTION NOTES**

Description	Unit	Quan
1) Construct AC Structural Section No. 1	SY	4,253
3) Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	1,010
4) Construct Single Curb per MAG Std Dtl 222, Type A	LF	1,431
5) Construct Curb & Gutter per MAG Std Dtl 220-1, Type C	LF	347
7) Construct Concrete Sidewalk per MAG Std Dtl 230	SF	144
9) Construct Sidewalk Ramp per COS Std Dtl 2234	EA	8
10) Install Detectable Warning Surface per COS Std Dtl 2231	EA	8
12) Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	7,969
13) Construct 4" Concrete Pavement	SY	531
18) Install Bike Ramp per Dtl on Sheet XXX	EA	3
22) Construct Retaining Wall	SF	1,143
29) Construct Catch Basin per COP Dtl P1569, L=10'	EA	3
32) Install 4" PVC	LF	8



DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

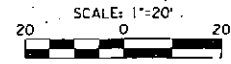
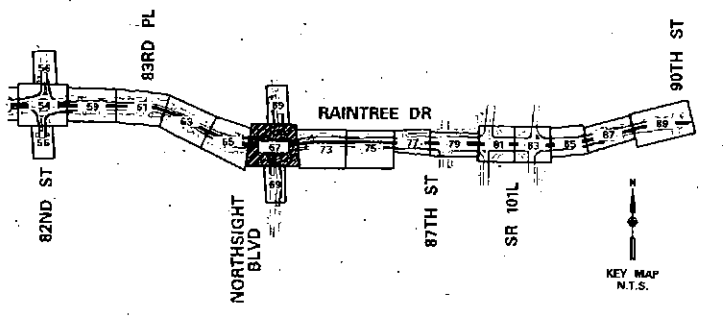
PRELIMINARY PUBLIC WORKS  
**30%**  
NOT FOR CONSTRUCTION OR RECORDING

CAPITAL PROJECT MANAGEMENT  
1447 E. INDIAN SCHOOL RD.  
SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET  
RAINTREE DRIVE  
STA 134+00 TO STA 138+00**

PROJECT TITLE: **RAINTREE DRIVE EXTENSION  
SCOTTSDALE ROAD TO SR 101L**

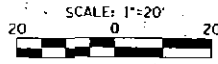
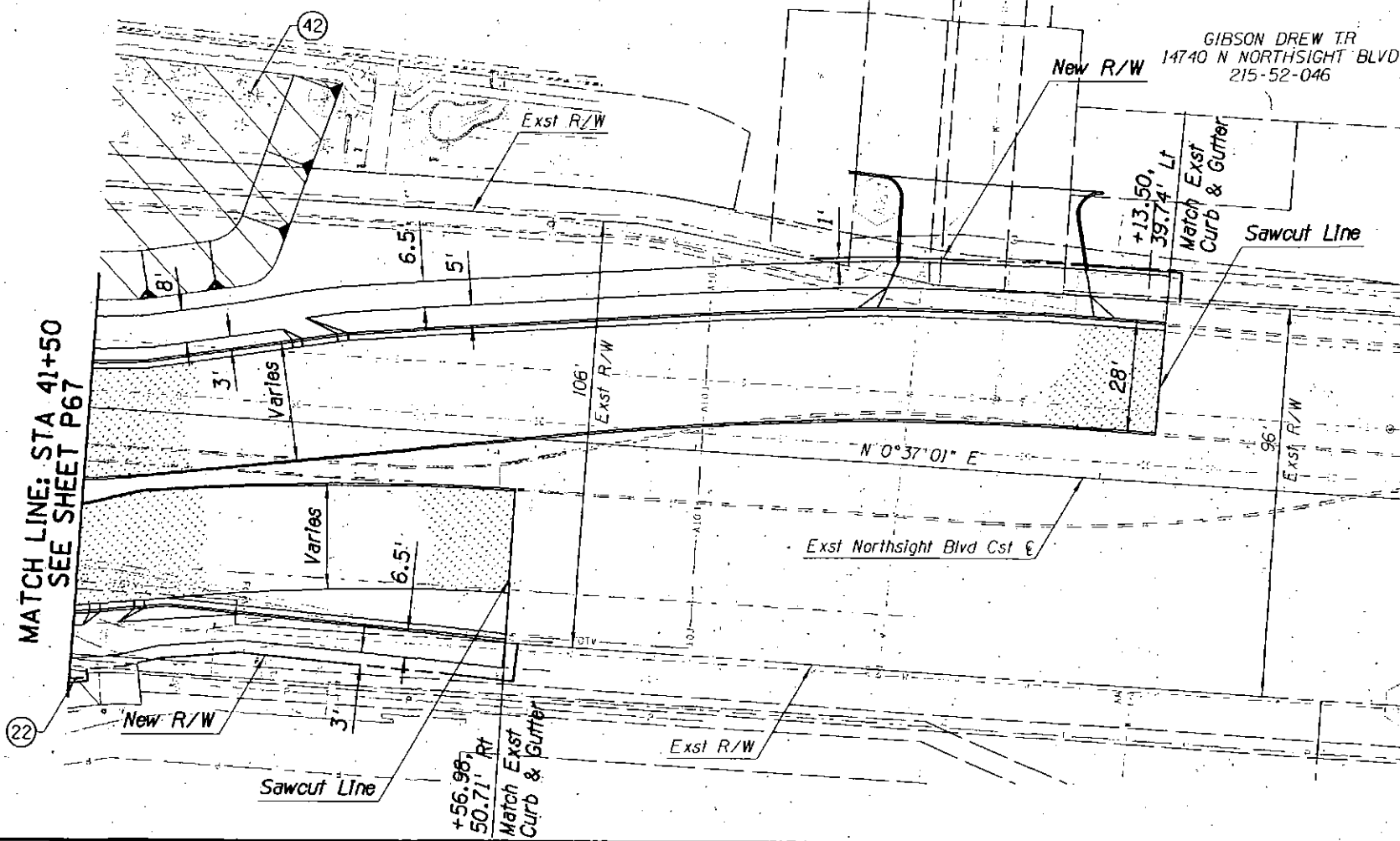
SCALE: HORIZ. 1"=20'	DESIGNED: MDB	DATE: 06/14	BID NO.:	SHT. P67
VERT. XX	DRAWN: WBE	AS-BUILT	PROJECT NO. S1103	81 OF 297



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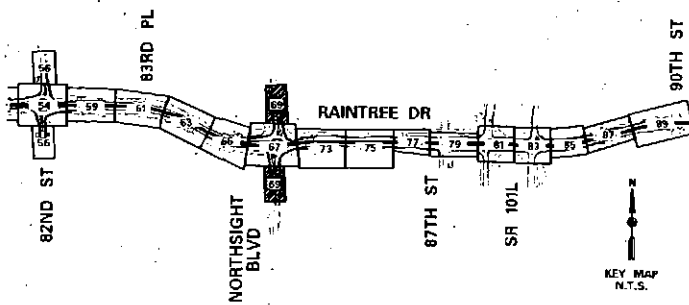
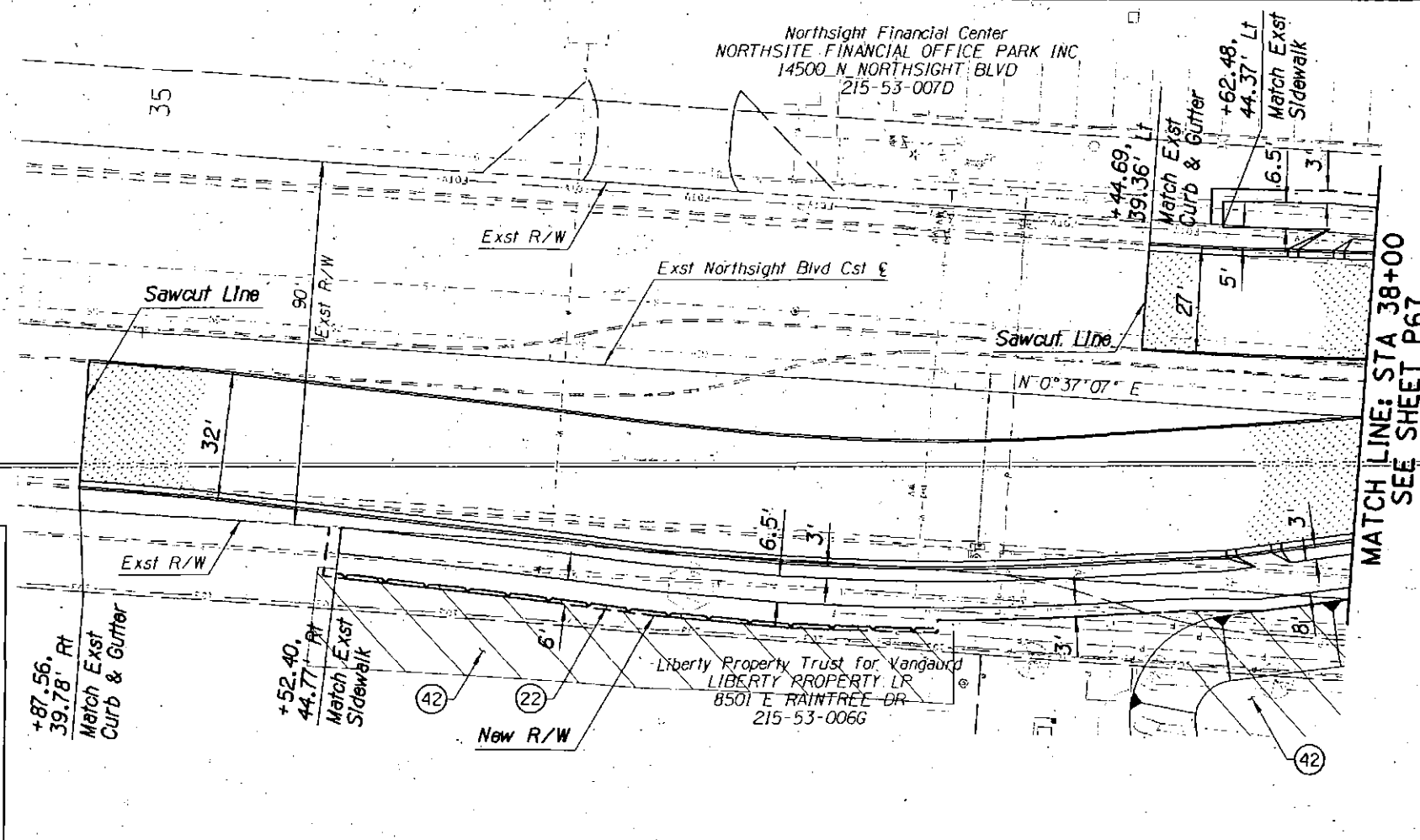
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**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
3. For Additional Roundabout Information See Sheet R6.

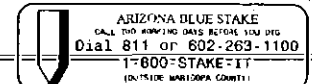


**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	211
2 Remove Exst AC Pavement	SY	3,164
4 Remove Exst Curb & Gutter	LF	635
5 Remove Exst Sidewalk	SF	4,421
6 Remove Exst Single Curb	LF	744
7 Remove Exst Valley Gutter	SF	681
11 Remove Exst Concrete Driveway	SF	608

**CONSTRUCTION NOTES**

Description	Unit	Quan
1 Construct AC Structural Section No. 1	SY	2,262
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	624
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	741
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	3,081
12 Construct 8' Multi-Use Path per COS Std Dtl 2283	SF	1,178
15 Construct Concrete Driveway per COS Std Dtl 2256	SF	1,610
18 Install Bike Ramp per Dtl on Sheet XXX	EA	4
22 Construct Retaining Wall	SF	588
23 Construct New Busbay per COS Std Dtl 2266-1	EA	1
42 Regrade Exst Retention Basin	EA	3
(L) Refer to Landscape Plans for All Landscape (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
ENGINEER	<b>PUBLIC WORKS</b> CAPITAL PROJECT MANAGEMENT <small>1447 E. INDIAN SCHOOL RD.          SCOTTSDALE, ARIZONA 85251</small>	
PRELIMINARY	<b>30%</b> NOT FOR CONSTRUCTION OR RECORDING	

SHEET TITLE			
<b>PLAN SHEET</b>			
<b>NORTH &amp; SOUTH NORTHSIGHT BOULEVARD</b>			
PROJECT TITLE			
<b>RAINTREE DRIVE EXTENSION</b>			
<b>SCOTTSDALE ROAD TO SR 101L</b>			
SCALE	DESIGNED	DATE	BID NO.
HORIZ. 1"=20'	MDB	06/14	
VERT. XX	DRWN	AS-BUILT	
	WBE		
			SHT. P69
		PROJECT NO. 51103	83 of 297



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	208
2 Remove Exst AC Pavement	SY	846
4 Remove Exst Curb & Gutter	LF	220
5 Remove Exst Sidewalk	SF	1,955
6 Remove Exst Single Curb	LF	304
7 Remove Exst Valley Gutter	SF	433
8 Remove Exst Sidewalk Ramp	EA	1
9 Remove Exst Catch Basin	EA	2
14 Remove Exst AC Pavement (1 1/2" Milling)	SY	1,913

**CONSTRUCTION NOTES**

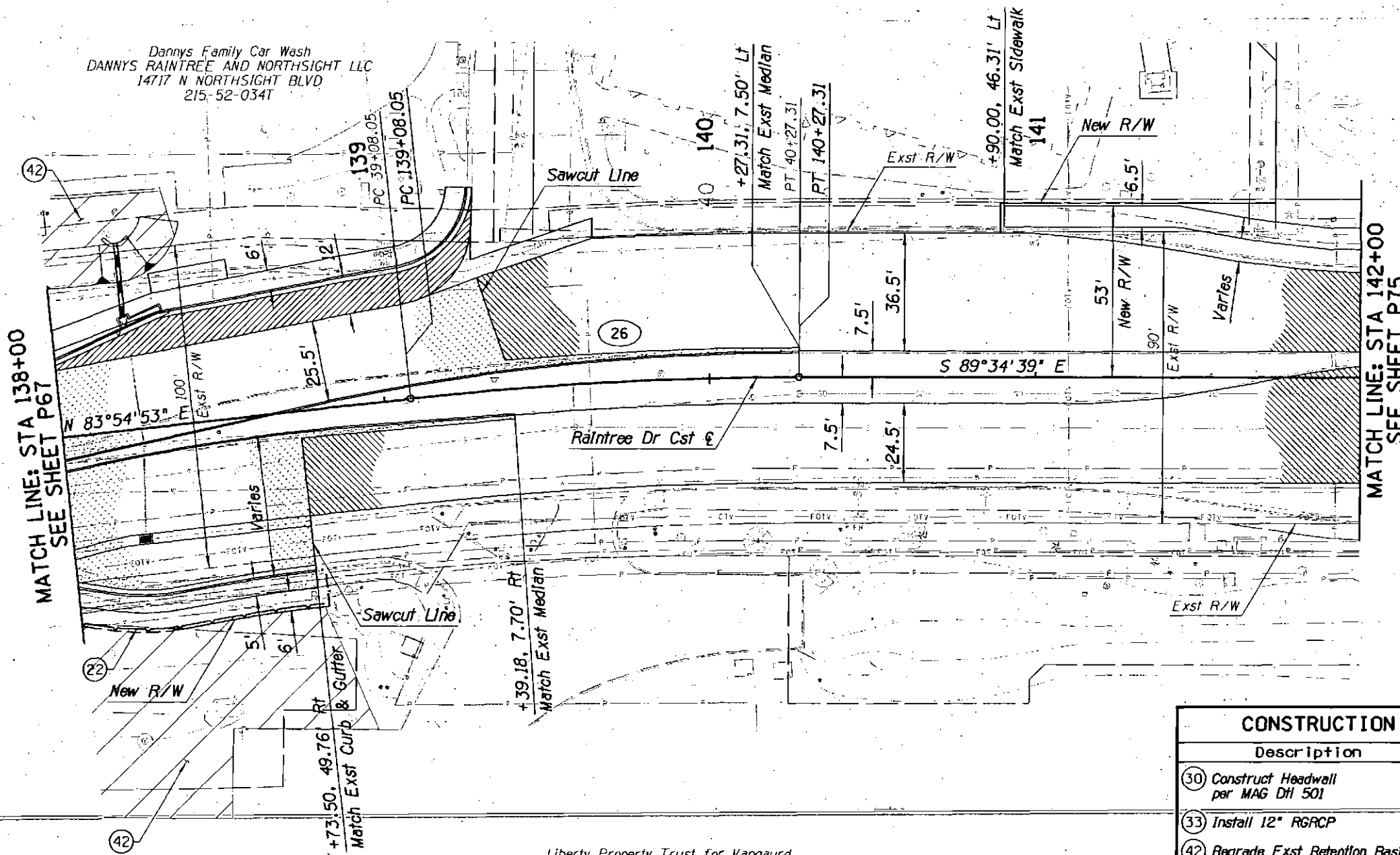
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1 Construct AC Structural Section No. 1	SY	753
2 Construct AC Structural Section No. 2	SY	1,913
3 Construct Vertical Curb & Gutter per MAG Std Dtl 220-1, Type A	LF	222
4 Construct Single Curb per MAG Std Dtl 222, Type A	LF	368
6 Construct Concrete Valley Gutter per COS Std Dtl 2240	SF	290
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	1,928
9 Construct Sidewalk Ramp per COS Std Dtl 2234	EA	1
22 Construct Retaining Wall	SF	304
23 Construct New Busbay per COS Std Dtl 2266-1	EA	1
27 Construct Catch Basin per MAG Dtl 535	EA	1
29 Construct Catch Basin per COP Dtl P1569, L=10'	EA	1



DATE	REVISION	BY
ENGINEER		
PRELIMINARY	PUBLIC WORKS	
<b>30%</b>	CAPITAL PROJECT MANAGEMENT	
NOT FOR CONSTRUCTION OR RECORDING	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 138+00 TO STA 142+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MOB	06/14
VERT. XX	DRAWN	AS-BUILT
	WBE	
BID NO.	SHT.	
PROJECT NO. 51103	87	297

**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.
- For Additional Roundabout Information See Sheet R6.



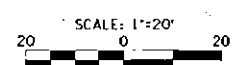
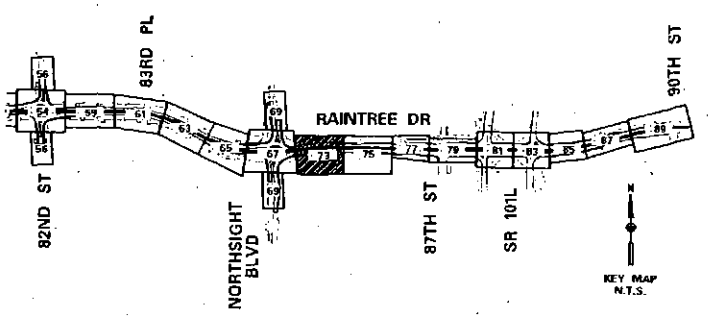
**CONSTRUCTION NOTES**

Description	Unit	Quan
30 Construct Headwall per MAG Dtl 501	EA	1
33 Install 12" RGRC	LF	24
42 Regrade Exst Retention Basin	EA	2
(L) Refer to Landscape Plans for All Landscapes (Typ.)		
(U) Refer to Utility Plans for All Utilities (Typ.)		

Liberty Property Trust for Vanguard  
 LIBERTY PROPERTY LP  
 8501 E RAIN TREE DR  
 215-53-0066

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
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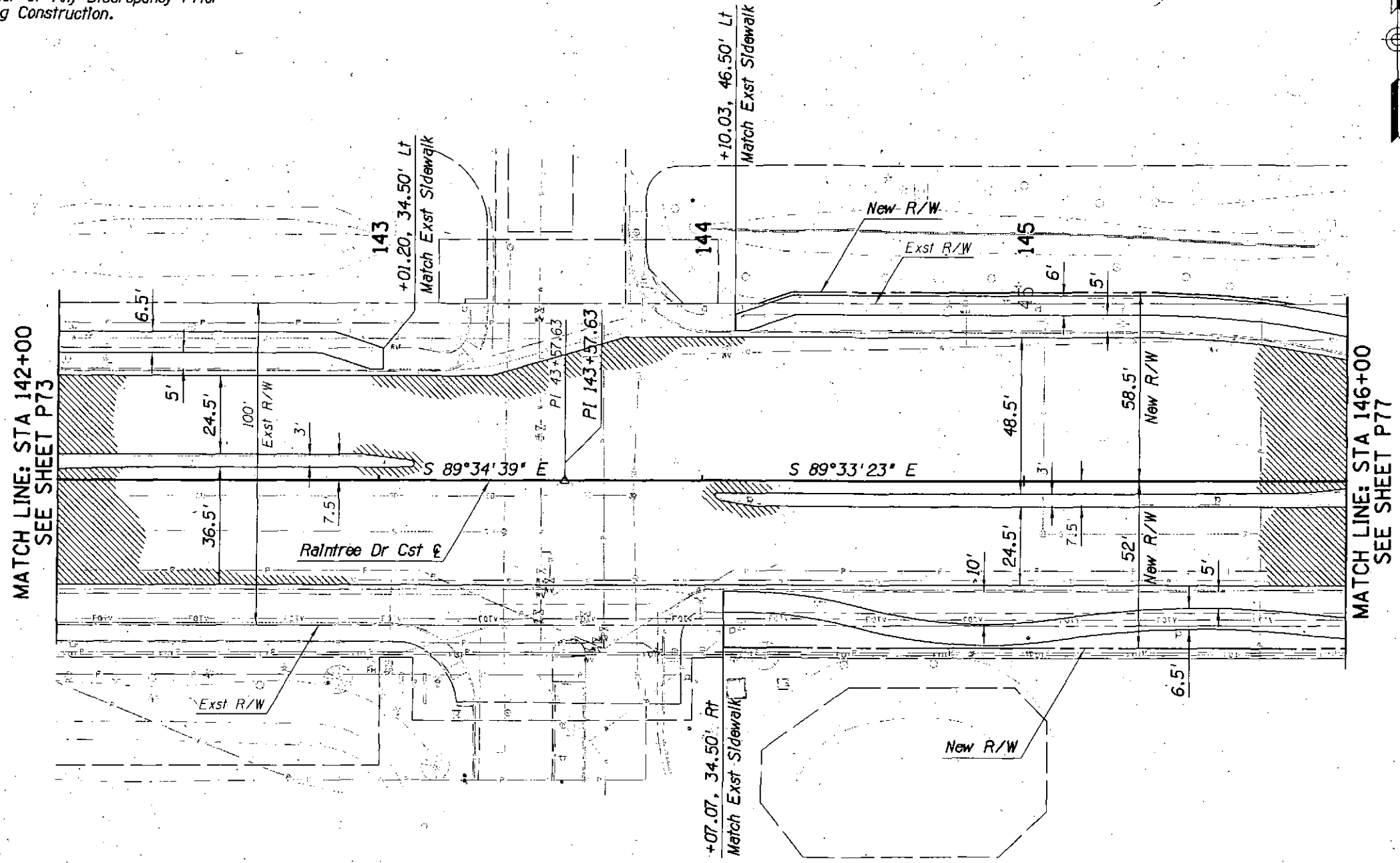


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**NOTES:**

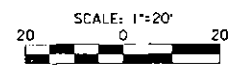
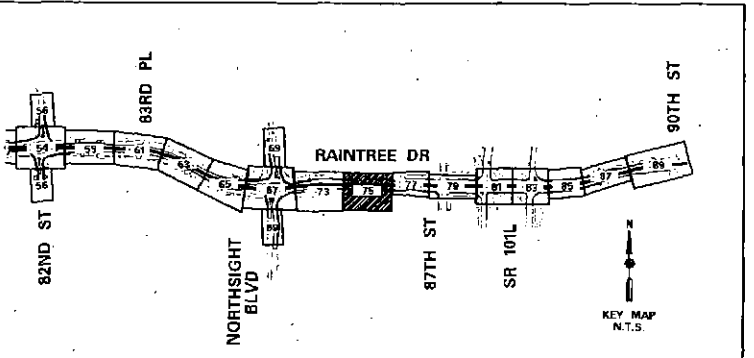
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



MATCH LINE: STA 142+00  
SEE SHEET P73

MATCH LINE: STA 146+00  
SEE SHEET P77

Liberty Property Trust for Vanguard  
 LIBERTY PROPERTY LP  
 8501 E RAIN TREE DR  
 215-53-0066

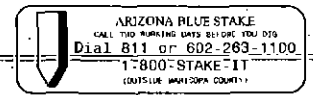



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	19
5 Remove Exst Sidewalk	SF	2,878
14 Remove Exst AC Pavement (1/2" Milling)	SY	3,064

**CONSTRUCTION NOTES**

Description	Unit	Quan
2 Construct AC Structural Section No. 2	SY	3,064
T Construct Concrete Sidewalk per MAG Std Dtl 230	SF	3,085
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
		<b>PUBLIC WORKS</b>  <b>CAPITAL PROJECT MANAGEMENT</b> <small>7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251</small>
<b>SHEET TITLE</b> <b>PLAN SHEET</b> <b>RAINTREE DRIVE</b> <b>STA 142+00 TO STA 146+00</b>		
<b>PROJECT TITLE</b> <b>RAINTREE DRIVE EXTENSION</b> <b>SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MOB	06/14
VERT. XX	WBE	AS-BUILT
		BID NO.
		SHT. P75
		PROJECT NO. S1103
		89 OF 297



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	17
5 Remove Exst Sidewalk	SF	2,211
14 Remove Exst AC Pavement (1/2" Milling)	SY	1,250

**CONSTRUCTION NOTES**

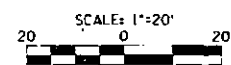
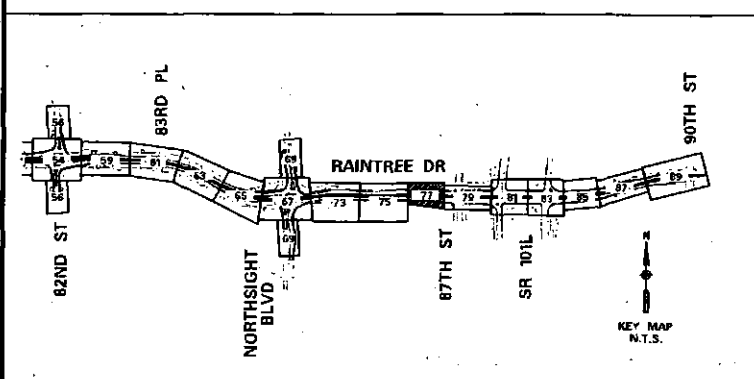
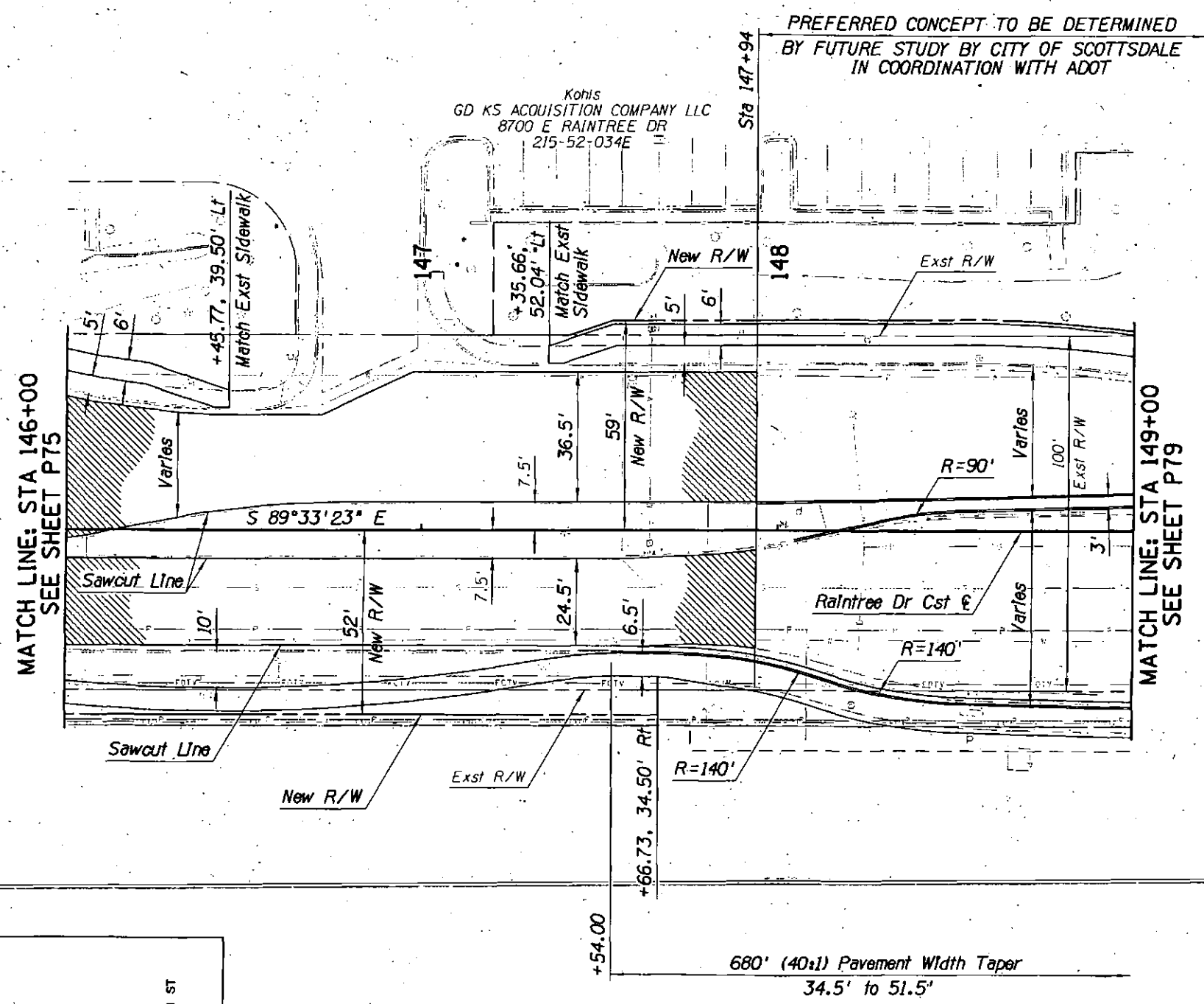
Description	Unit	Quan
2 Construct AC Structural Section No. 2	SY	1,250
7 Construct Concrete Sidewalk per MAG Std DH 2.30	SF	2,360
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
ENGINEER		
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 146+00 TO STA 149+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	WBE	AS-BUILT
BID NO.	SHT.	
	P77	
PROJECT NO.		
S1103		
		91 of 297

**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

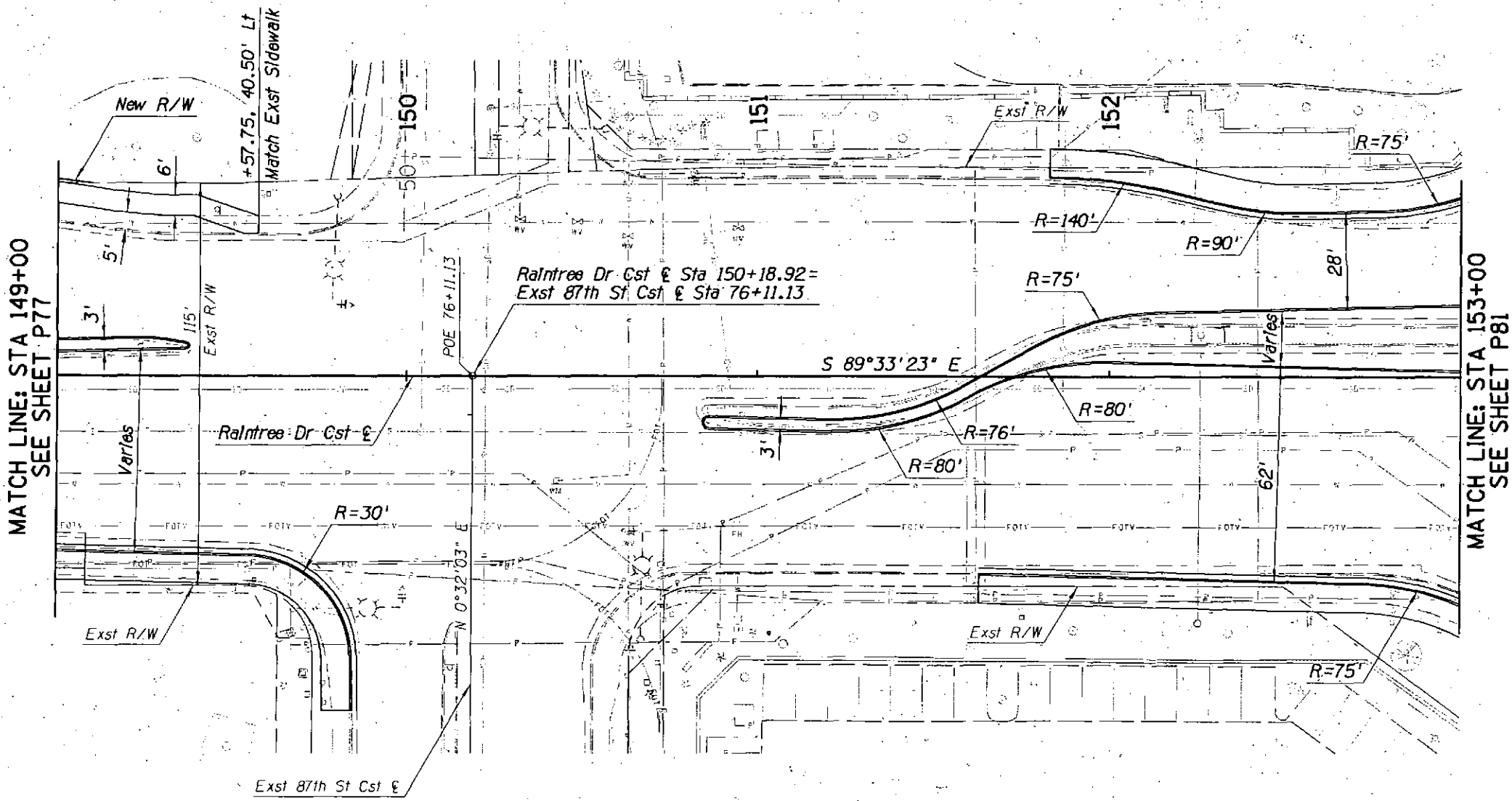


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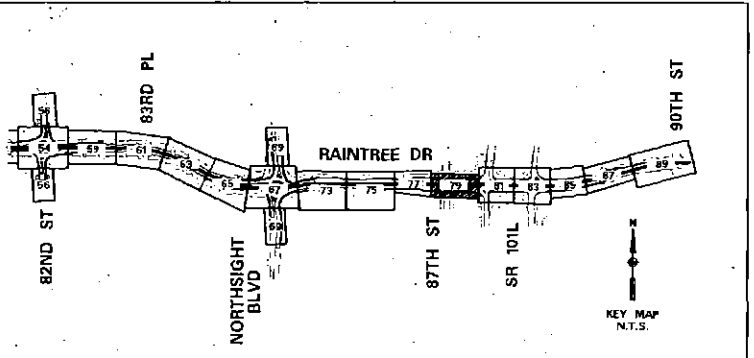
**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
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PREFERRED CONCEPT TO BE DETERMINED  
 BY FUTURE STUDY BY CITY OF SCOTTSDALE  
 IN COORDINATION WITH ADOT



680' (40:1) Pavement Width Taper  
 34.5' to 51.5'



**REMOVAL & RELOCATION NOTES**

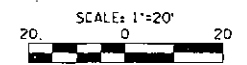
Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	5
5 Remove Exst Sidewalk	SF	309

**CONSTRUCTION NOTES**

Description	Unit	Quan
T Construct Concrete Sidewalk per MAG Std Dtl 230	SF	346
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		



DATE	REVISION	BY
PRELIMINARY		
<b>30%</b>		
NOT FOR CONSTRUCTION OR RECORDING		
		PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE <b>PLAN SHEET                  RAIN TREE DRIVE                  STA 149+00 TO STA 153+00</b>		
PROJECT TITLE <b>RAIN TREE DRIVE EXTENSION                  SCOTTSDALE ROAD TO SR 101L</b>		
SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MDB DRAWN WBE	DATE 06/14 AS-BUILT PROJECT NO. 51103
	BID NO.	SHT. P79
		93 of 297



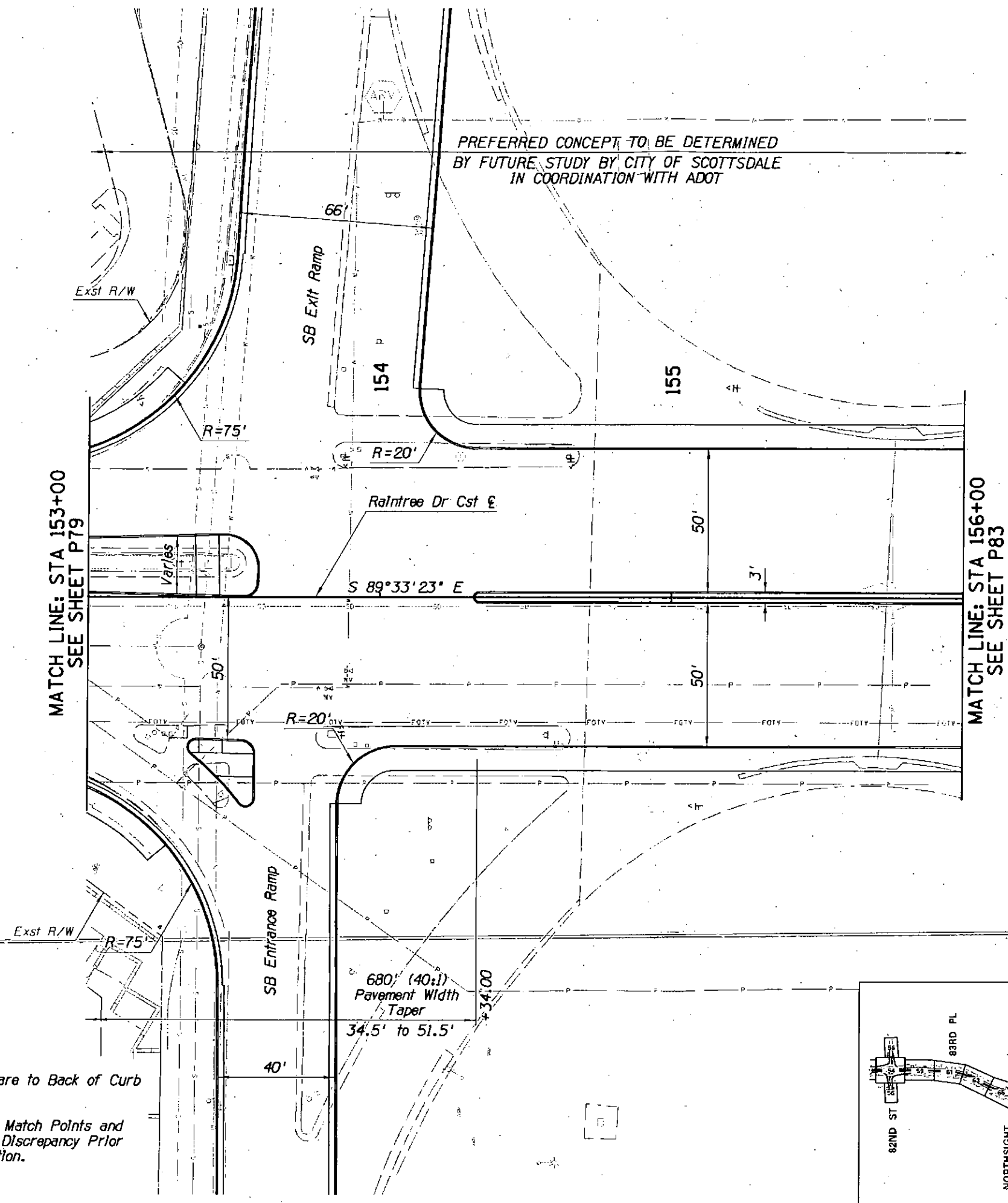
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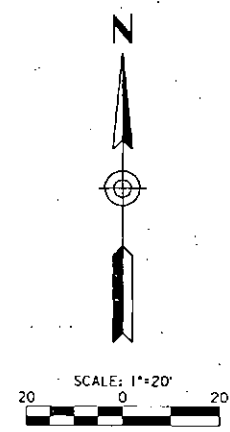


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PREFERRED CONCEPT TO BE DETERMINED  
BY FUTURE STUDY BY CITY OF SCOTTSDALE  
IN COORDINATION WITH ADOT

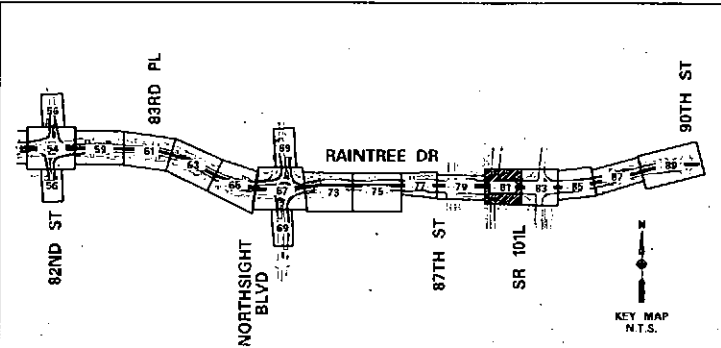


MATCH LINE: STA 153+00  
SEE SHEET P79

MATCH LINE: STA 156+00  
SEE SHEET P83

**NOTES:**

1. All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
2. Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.



TRANSPORTATION AECOM TECHNICAL SERVICES, Inc. 2325 E. Camelback Rd., Suite 200 Phoenix, Arizona 85016 T: 602.337.2100 <b>AECOM</b> www.aecom.com		
<b>REMOVAL &amp; RELOCATION NOTES</b>		
Description	Unit	Quan
<b>CONSTRUCTION NOTES</b>		
Description	Unit	Quan
ARIZONA BLUE STAKE CALL TWO HOURS BEFORE YOU DIG Dial 811 or 602-263-1100 1-800-STAKE-IT (OUTSIDE MARICOPA COUNTY)		
DATE	REVISION	BY
ENGINEER	PRELIMINARY	PUBLIC WORKS
	<b>30%</b>	CAPITAL PROJECT MANAGEMENT
	NOT FOR CONSTRUCTION OR RECORDING	7447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251
SHEET TITLE		
<b>PLAN SHEET RAINTREE DRIVE STA 153+00 TO STA 156+00</b>		
PROJECT TITLE		
<b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MD8	06/14
VERT. XX	DRAWN	AS-BUILT
	WBE	
BID NO.	SHT.	
	P81	
PROJECT NO.		
51103		95 of 297

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
27	160+59.21	1800.00'	14°53'46"	467.98	3°10'59"	235.32

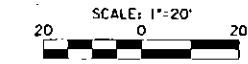
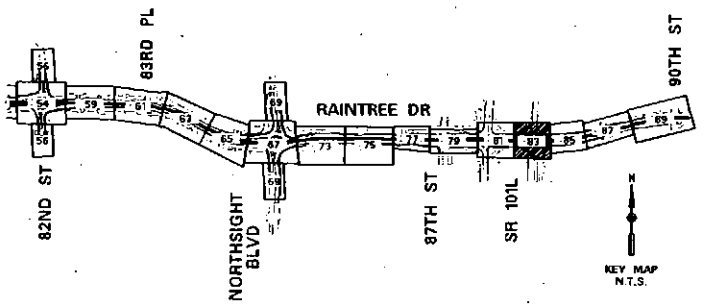
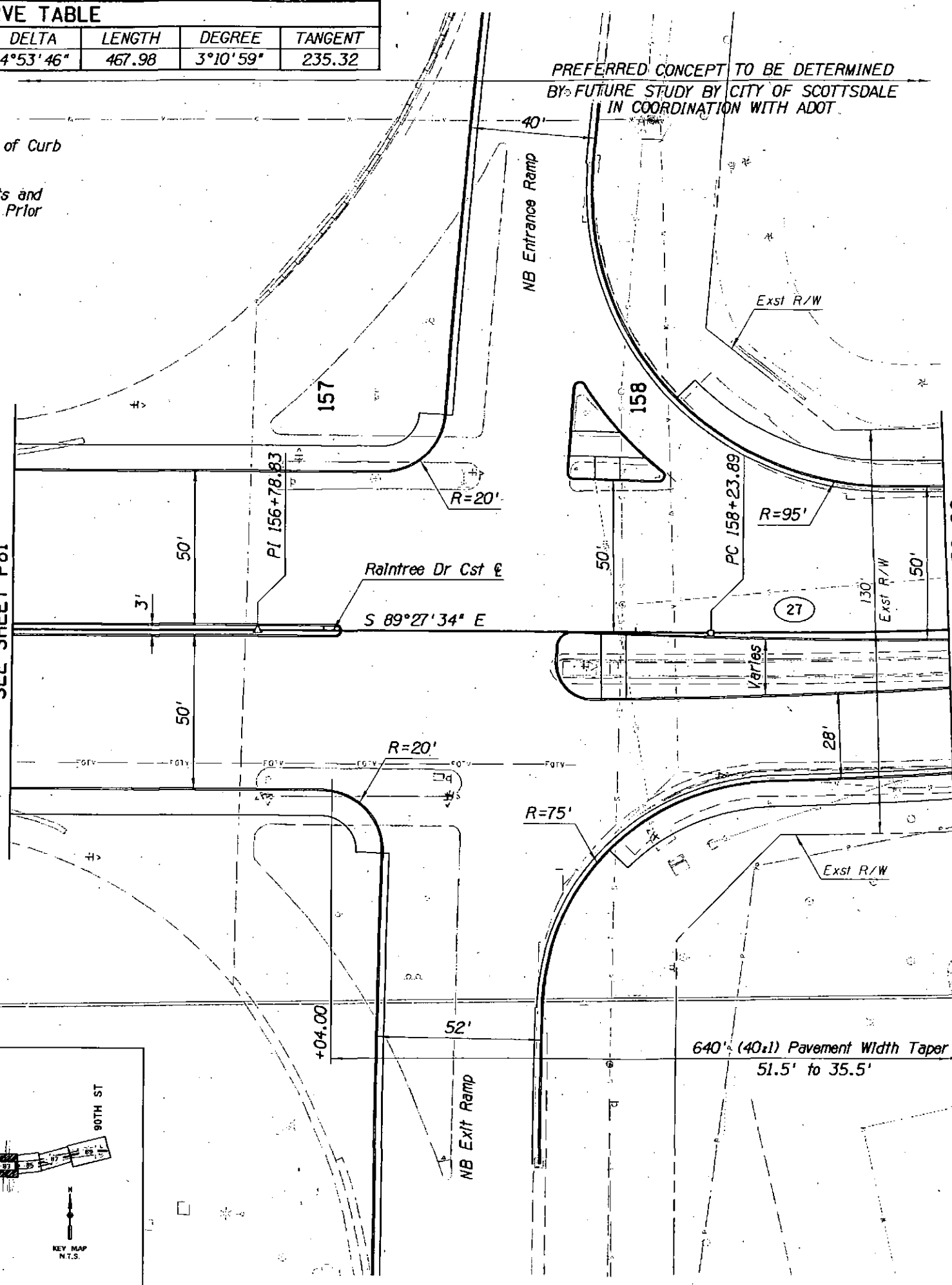
**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

MATCH LINE: STA 156+00  
SEE SHEET P81

MATCH LINE: STA 159+00  
SEE SHEET P85

PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT.



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan

**CONSTRUCTION NOTES**

Description	Unit	Quan

ARIZONA BLUE STAKE  
CALL THE SURVEYING DIVISION BEFORE YOU DIG  
Dial 811 or 602-263-1100  
1-800-STAKE-IT  
(DIVISION OF MARICOPA COUNTY)

DATE: \_\_\_\_\_ REVISION: \_\_\_\_\_ BY: \_\_\_\_\_

ENGINEER: PRELIMINARY 30% NOT FOR CONSTRUCTION OR RECORDING

**CITY OF SCOTTSDALE**  
PUBLIC WORKS  
CAPITAL PROJECT MANAGEMENT  
1447 E. INDIAN SCHOOL RD.  
SCOTTSDALE, ARIZONA 85251

SHEET TITLE: **PLAN SHEET RAIN TREE DRIVE STA 156+00 TO STA 159+00**

PROJECT TITLE: **RAIN TREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L**

SCALE: 1"=20'	DESIGNED: MDB	DATE: 06/14	BID NO.:	SHT. P83
VERT. XX	DRAWN: WBE	AS-BUILT	PROJECT NO. S1103	97 OF 297

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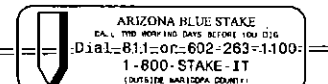


**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan

**CONSTRUCTION NOTES**

Description	Unit	Quan



DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
<b>30%</b>	4447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
NOT FOR CONSTRUCTION OR RECORDING		

SHEET TITLE  
**PLAN SHEET  
 RAINTREE DRIVE  
 STA 159+00 TO STA 162+00**

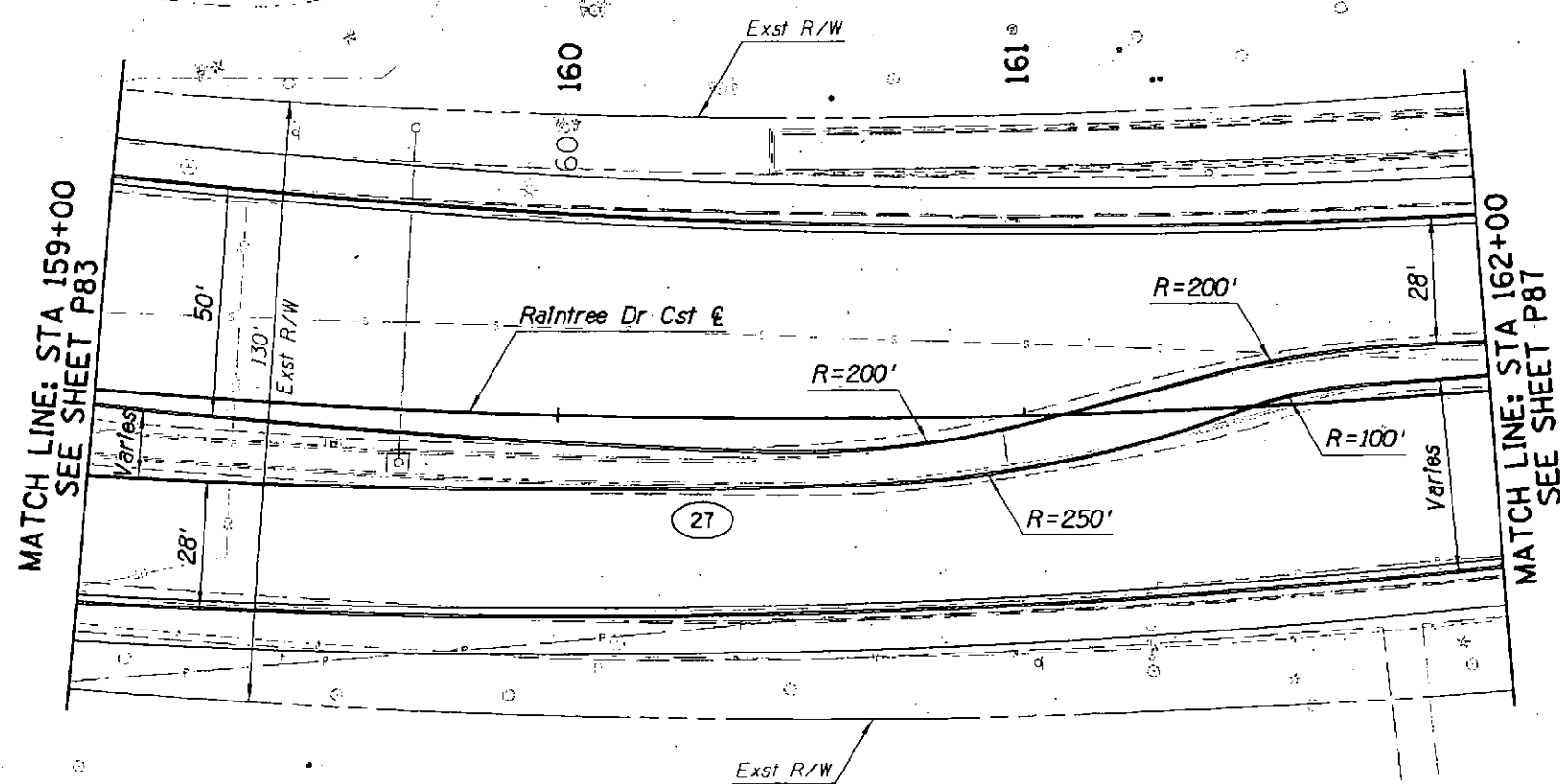
PROJECT TITLE <b>RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L</b>	SCALE HORIZ. 1"=20' VERT. XX	DESIGNED MDB	DATE 06/14	BID NO.	SHT. P85
		DRAWN WBE	AS-BUILT	PROJECT NO. S1103	99 of 297

**NOTES:**

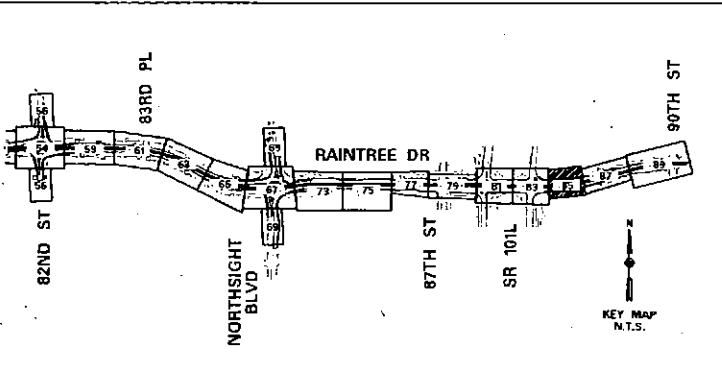
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

PREFERRED CONCEPT TO BE DETERMINED  
 BY FUTURE STUDY BY CITY OF SCOTTSDALE  
 IN COORDINATION WITH ADOT

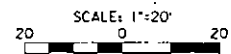
Raintree Corporate Center  
 SFI RAINTREE SCOTTSDALE LLC  
 8800 E RAINTREE DR  
 217-15-943



64' (40±) Pavement Width Taper  
 51.5' to 35.5'



CURVE TABLE						
CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
27	160+59.21	1800.00'	14°53'46"	467.98	3°10'59"	235.32



PLOT DATE: 6/17/2014 3:25:57 PM

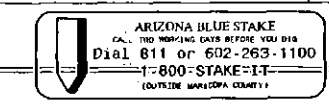
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**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	5
14 Remove Exst AC Pavement (1/2" Milling)	SY	1,774

**CONSTRUCTION NOTES**

Description	Unit	Quan
2 Construct AC Structural Section No. 2	SY	1,774
7 Construct Concrete Sidewalk per MAG Std DH 230	SF	1,352
9 Construct Sidewalk Ramp per COS Std DH 2234	EA	1
37 Install 8'x6' Conc Box Culvert	LF	191
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

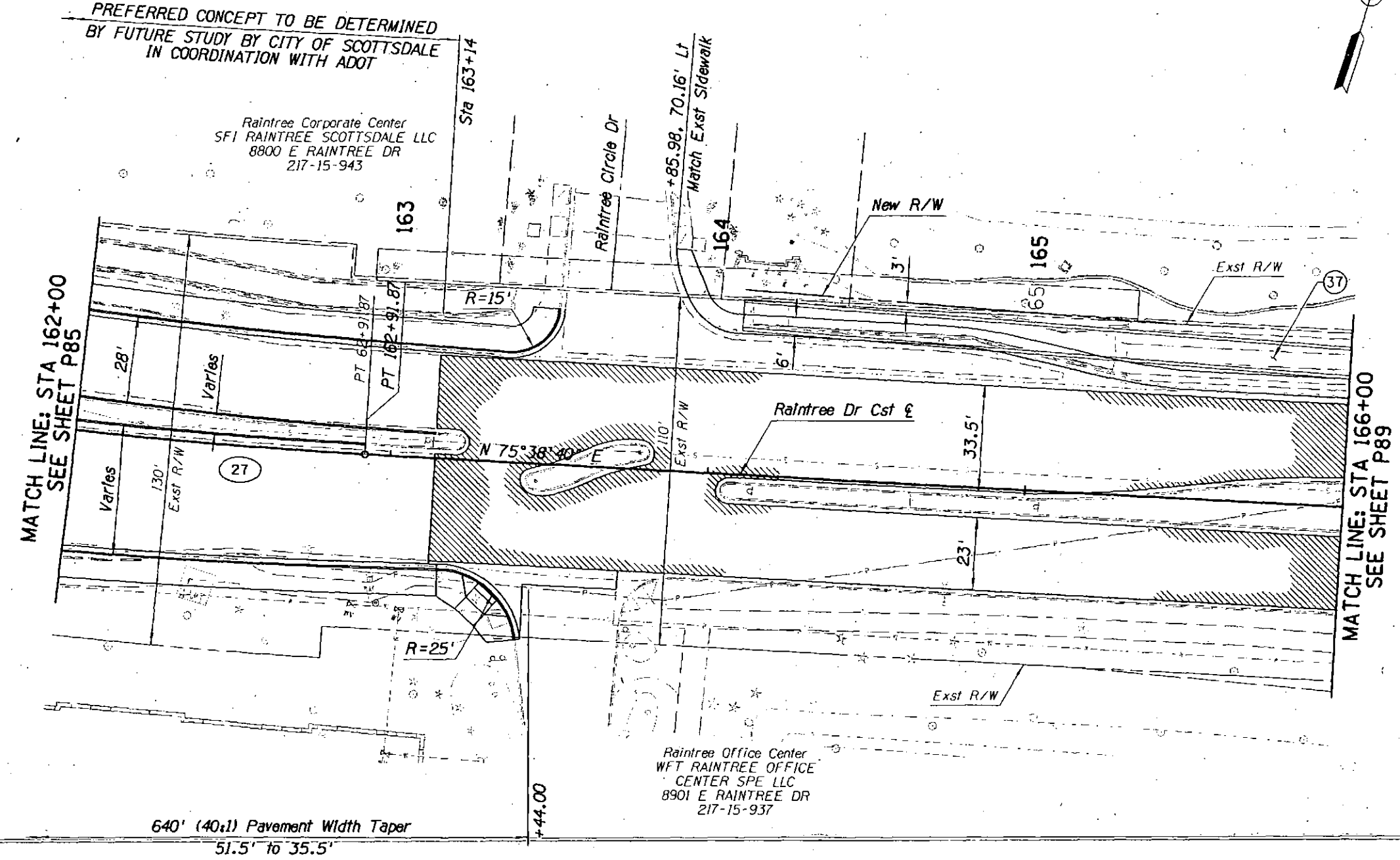


DATE	REVISION	BY
ENGINEER	PRELIMINARY	30%
	NOT FOR CONSTRUCTION OR RECORDING	
 PUBLIC WORKS CAPITAL PROJECT MANAGEMENT 1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251		
SHEET TITLE		
PLAN SHEET RAINTREE DRIVE STA 162+00 TO STA 166+00		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
1"=20'	MDB	06/14
VER. XX	WBE	AS-BUILT
		BID NO.
		SHT.
		PROJECT NO.
		101 of 297

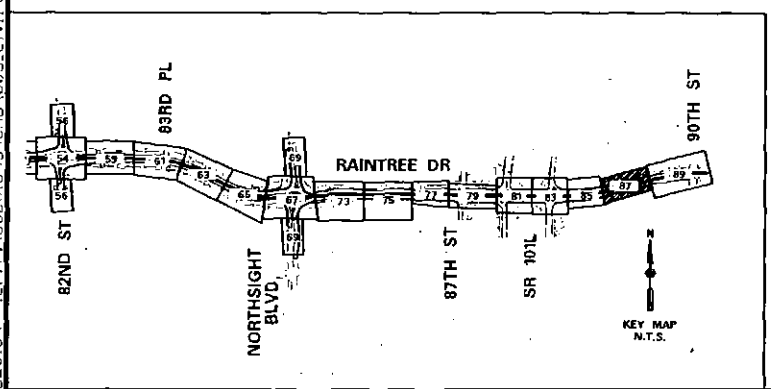
**NOTES:**

- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
- Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

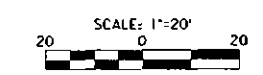
PREFERRED CONCEPT TO BE DETERMINED BY FUTURE STUDY BY CITY OF SCOTTSDALE IN COORDINATION WITH ADOT



640' (40:1) Pavement Width Taper  
 51.5' to 35.5'



CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
27	160+59.21	1800.00'	14°53'46"	467.98	3°10'59"	235.32



DESIGN: P:\P\60281893\CAD\005\_Civil\Sheets\Acco\77\_P41.dgn PLOT DATE: 6/17/2014 3:26:03 PM



**REMOVAL & RELOCATION NOTES**

Description	Unit	Quan
1 Sawcut Exst Pavement/Sidewalk as Applicable	LF	5
14 Remove Exst AC Pavement (1/2" Milling)	SY	2,077

**CONSTRUCTION NOTES**

Description	Unit	Quan
2 Construct AC Structural Section No. 2	SY	2,077
7 Construct Concrete Sidewalk per MAG Std Dtl 230	SF	1,872
37 Install 8'x6' Conc Box Culvert	LF	310
L Refer to Landscape Plans for All Landscape (Typ.)		
U Refer to Utility Plans for All Utilities (Typ.)		

ARIZONA BLUE STAKE  
 CALL FOR MARKING DATA BEFORE YOU DIG  
 Dial 811 OR 602-263-1100  
 1-800-STAKE-IT  
 (OUTSIDE ARIZONA COUNTY)

DATE	REVISION	BY
ENGINEER	PUBLIC WORKS	
PRELIMINARY	CAPITAL PROJECT MANAGEMENT	
<b>30%</b>	1447 E. INDIAN SCHOOL RD. SCOTTSDALE, ARIZONA 85251	
NOT FOR CONSTRUCTION OR RECORDING	SHEET TITLE	
PLAN SHEET RAINTREE DRIVE STA 166+00 TO STA 170+72.79		
PROJECT TITLE		
RAINTREE DRIVE EXTENSION SCOTTSDALE ROAD TO SR 101L		
SCALE	DESIGNED	DATE
HORIZ. 1"=20'	MDB	06/14
VERT. XX	WBE	AS-BUILT
BID NO.	SHT.	
	P89	
PROJECT NO.	SHEET	
51103	103 of 297	

- NOTES:**
- All Stations & Offsets are to Back of Curb Unless Otherwise Noted.
  - Contractor to Verify All Match Points and Notify Engineer of Any Discrepancy Prior to Commencing Construction.

Pragmatic Marketing  
 PRAGMATIC  
 INVESTMENTS LLC  
 8910 E RAINTREE DR  
 217-15-946

Sandhills  
 PAR 5 PARTNERS LLC  
 8920 E RAINTREE DR  
 217-15-947

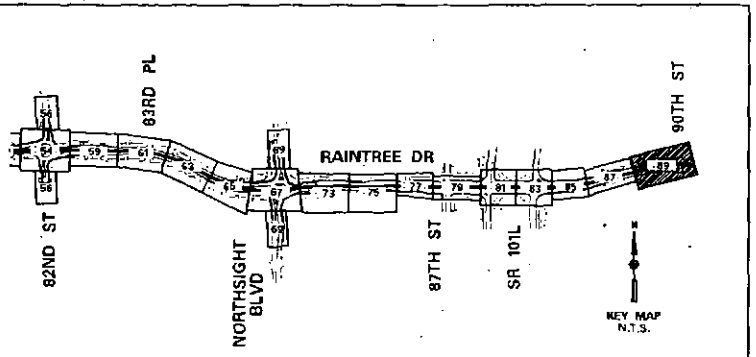
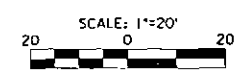
RAINTREE OFFICE  
 PROPERTY LLC  
 8930 E RAINTREE DR  
 217-15-948

Raintree Office Center  
 WFT RAINTREE OFFICE  
 CENTER SPE LLC  
 8901 E RAINTREE DR  
 217-15-937

MATCH LINE: STA 166+00  
 SEE SHEET P87

**CURVE TABLE**

CURVE NO.	PI STATION	RADIUS	DELTA	LENGTH	DEGREE	TANGENT
28	168+48.52	1800.00	14°21'10"	450.91	3°10'59"	226.64



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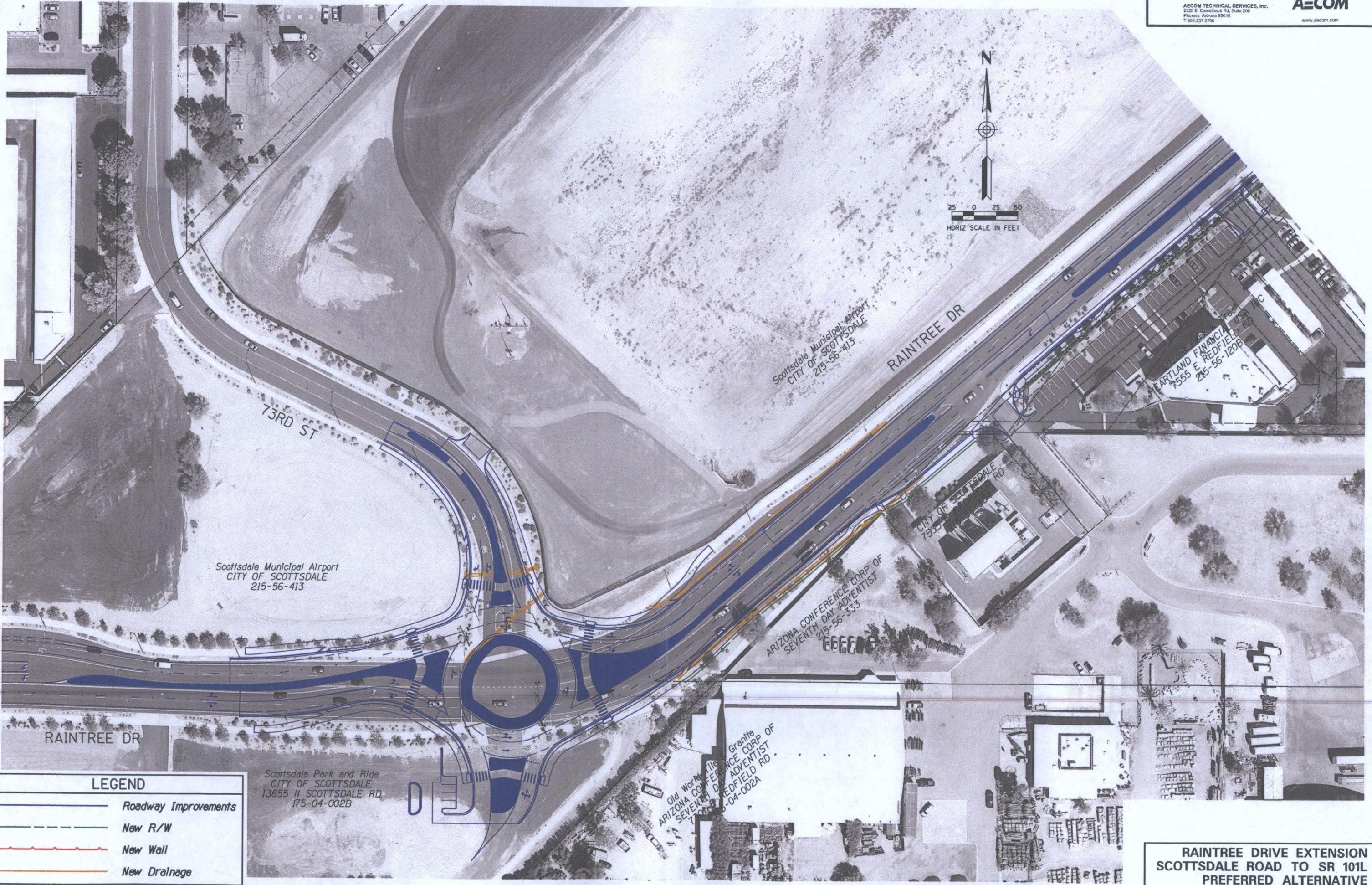
**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 1 OF 10**

**4-DR-2015  
 2/17/2015**



PLOT DATE: 6/18/2014 12:21:20 PM

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**LEGEND**

- Roadway Improvements
- - - - - New R/W
- New Wall
- New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 2 OF 10**

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

Scottsdale Park and Ride  
 CITY OF SCOTTSDALE  
 13655 N SCOTTSDALE RD  
 175-04-002B

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

RAINTREE DR

ARTLAND FINANCIAL  
 7555 E REDFIELD RD  
 215-56-1208

CITY OF SCOTTSDALE  
 7855

ARIZONA CONFERENCE CORP OF  
 SEVENTH DAY ADVENTIST  
 215-56-333

Granite  
 ADVANCE CORP OF  
 SEVENTH DAY ADVENTIST  
 175-04-002A

Old World  
 ARIZONA CONFERENCE CORP OF  
 SEVENTH DAY ADVENTIST  
 175-04-002A

RAINTREE DR

73RD ST

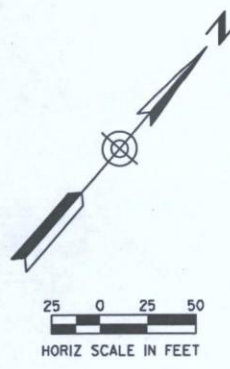
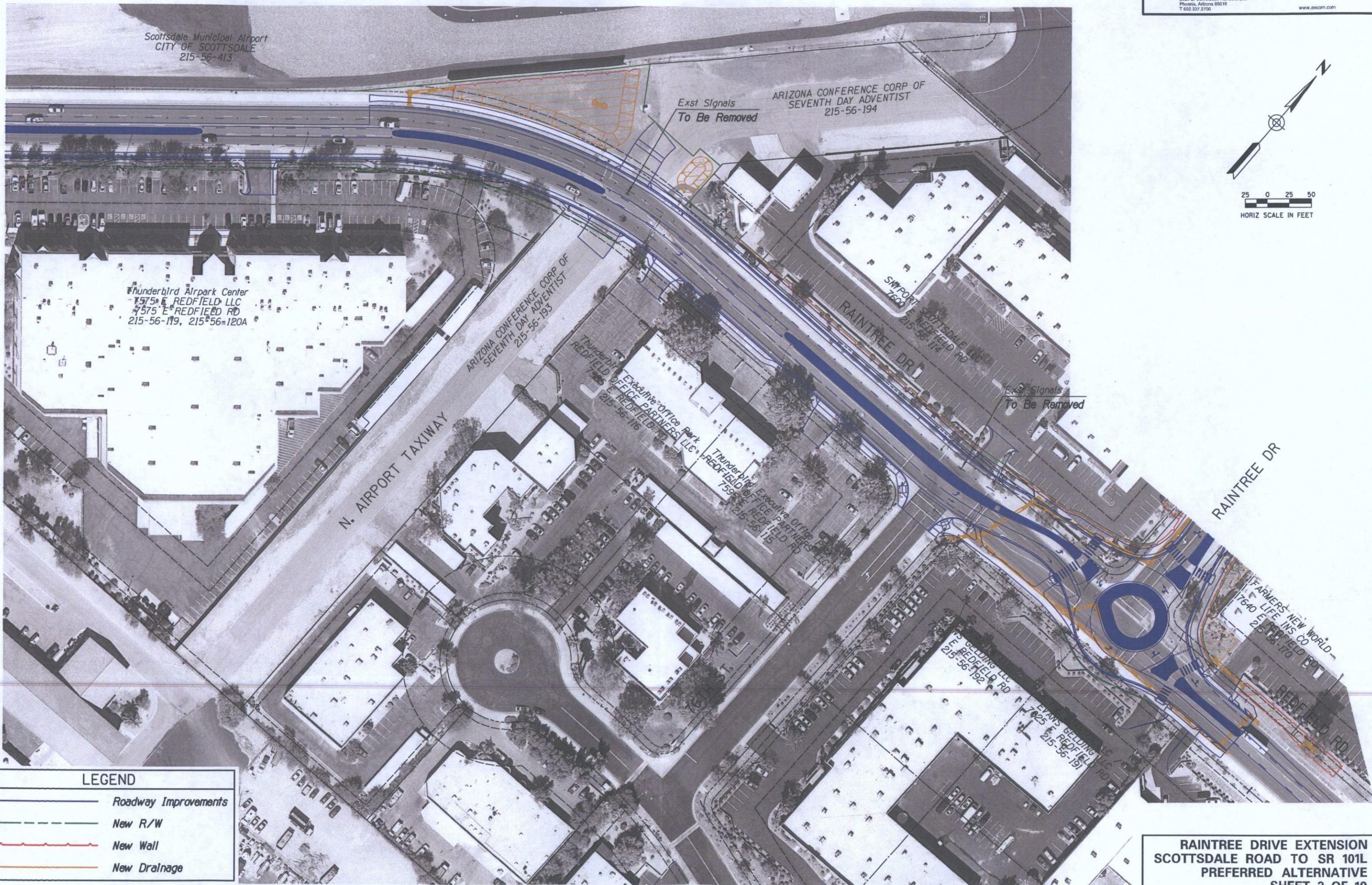
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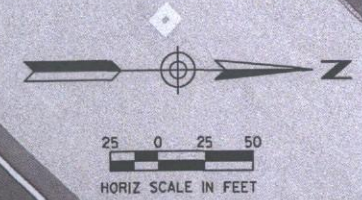


LEGEND	
	Roadway Improvements
	New R/W
	New Wall
	New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 3 OF 10**



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LEGEND	
	Roadway Improvements
	New R/W
	New Wall
	New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 4 OF 10**

SKYPORT SCOTTSDALE L  
 7600 E REDFIELD RD  
 215-56-114

Airport Operations  
 PACIFIC MARINE MGMT INC  
 14300 N 76TH PL  
 215-56-113B

Airport Operations  
 76TH PLACE RUNWAY  
 PROPERTY LLC  
 14400 N 76TH PL  
 215-56-113A

FARMERS NEW WORLD  
 LIFE INS CO  
 7650 E REDFIELD RD  
 215-56-169

RGRAT HOLDINGS LLC  
 7640 E GELDING DR  
 215-56-150

RGRAT HOLDINGS LLC  
 7645 E EVANS RD  
 215-56-149

Scottsdale Municipal Airport  
 CITY OF SCOTTSDALE  
 215-56-413

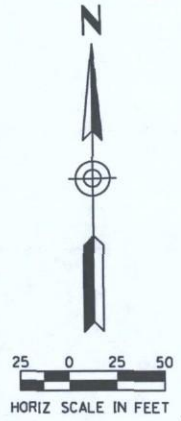
ARK PROPERTIES LLC  
 6500 E EVANS RD  
 215-56-131

STEPHAN E  
 1633 RD  
 215-56-234





P MICHAEL /  
 MARTHA L TR  
 7671 E ACOMA DR  
 215-56-235

DEWALL NATIONAL TRUST II LLC  
 6552 E ACOMA DR  
 215-56-233





**LEGEND**

-  Roadway Improvements
-  New R/W
-  New Wall
-  New Drainage

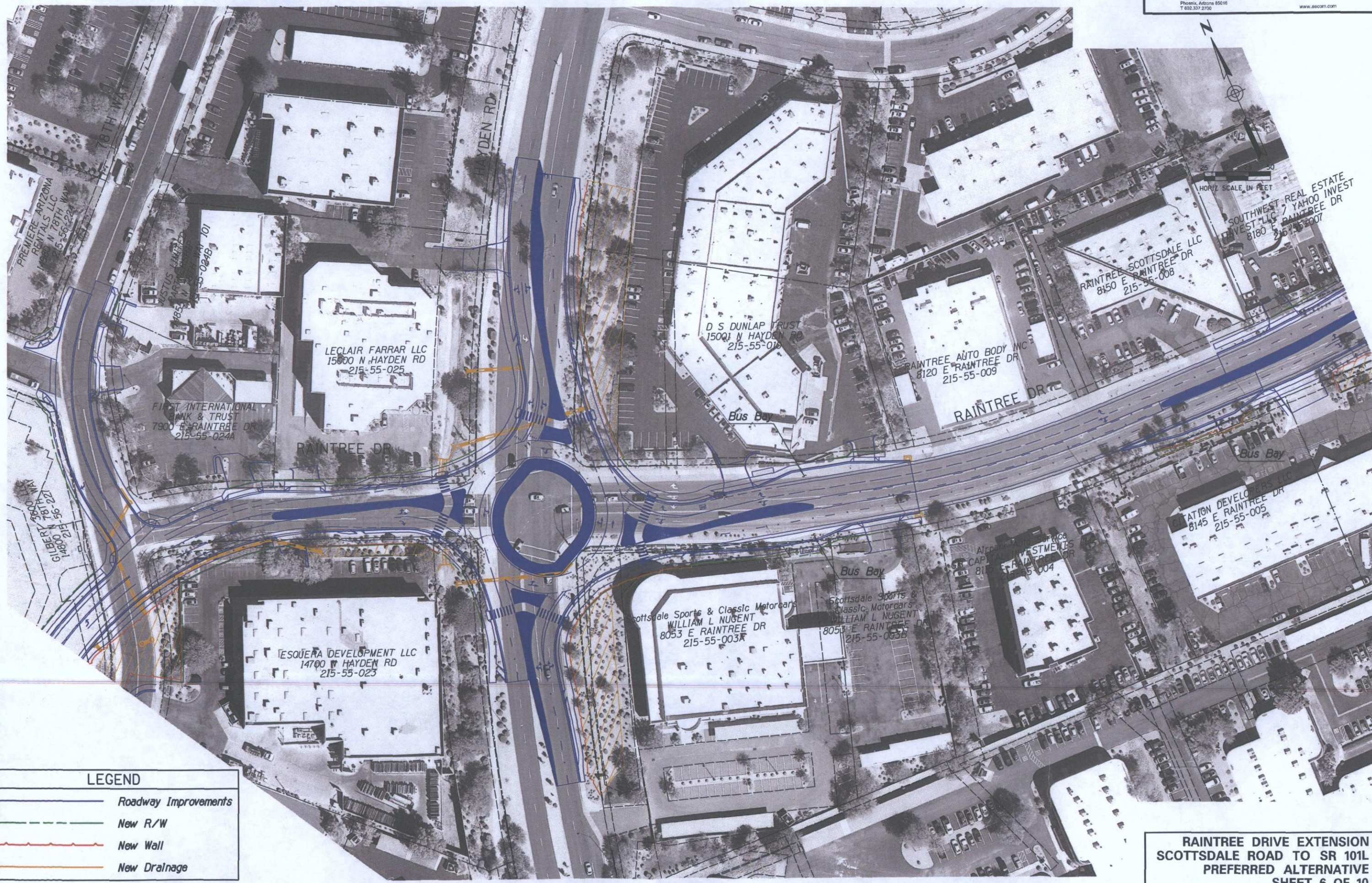
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**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 5 OF 10**



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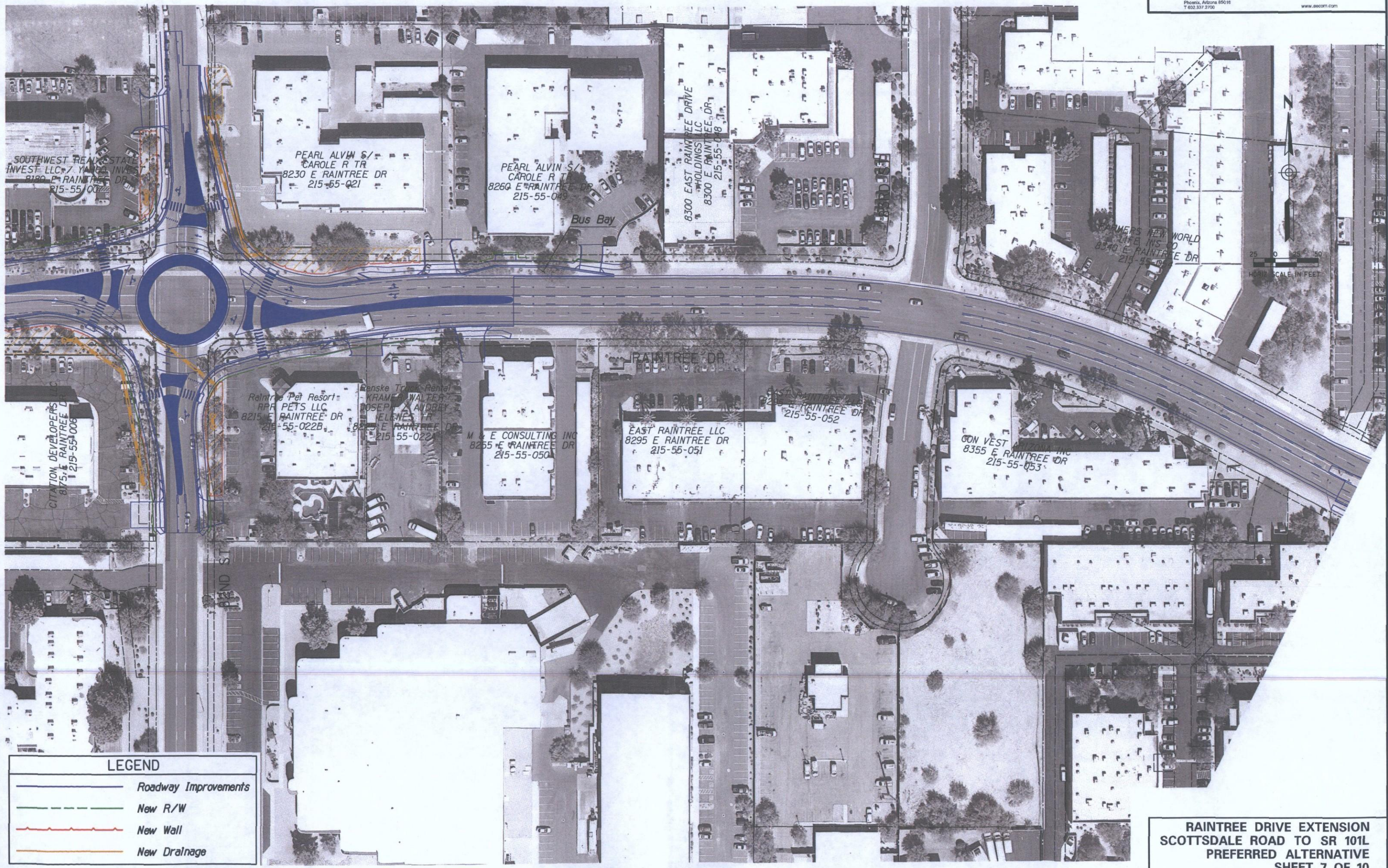


LEGEND	
	Roadway Improvements
	New R/W
	New Wall
	New Drainage

**RAINTREE DRIVE EXTENSION**  
**SCOTTSDALE ROAD TO SR 101L**  
**PREFERRED ALTERNATIVE**  
**SHEET 6 OF 10**



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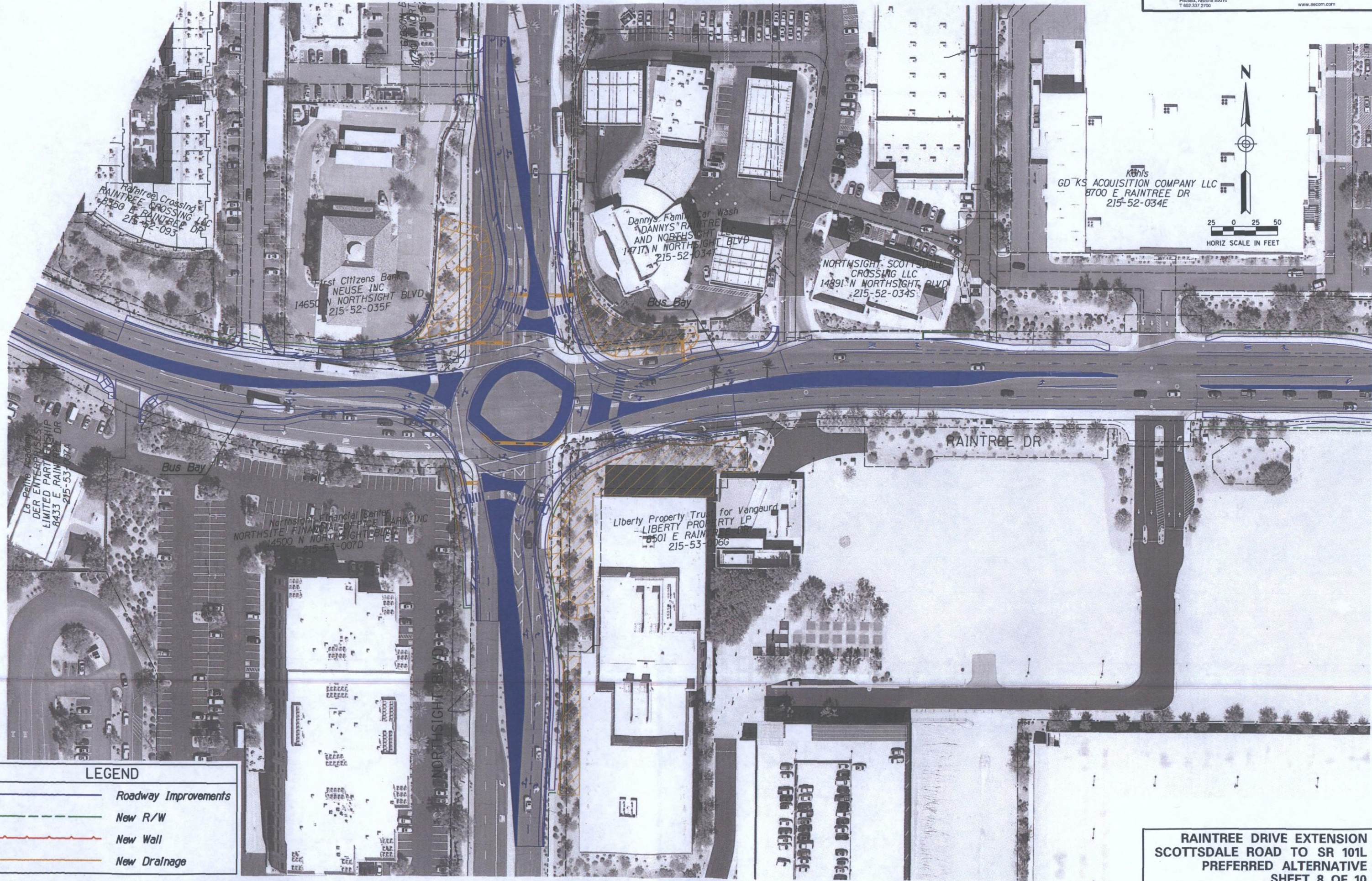
- Roadway Improvements
- New R/W
- New Wall
- New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 7 OF 10**



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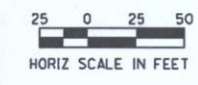
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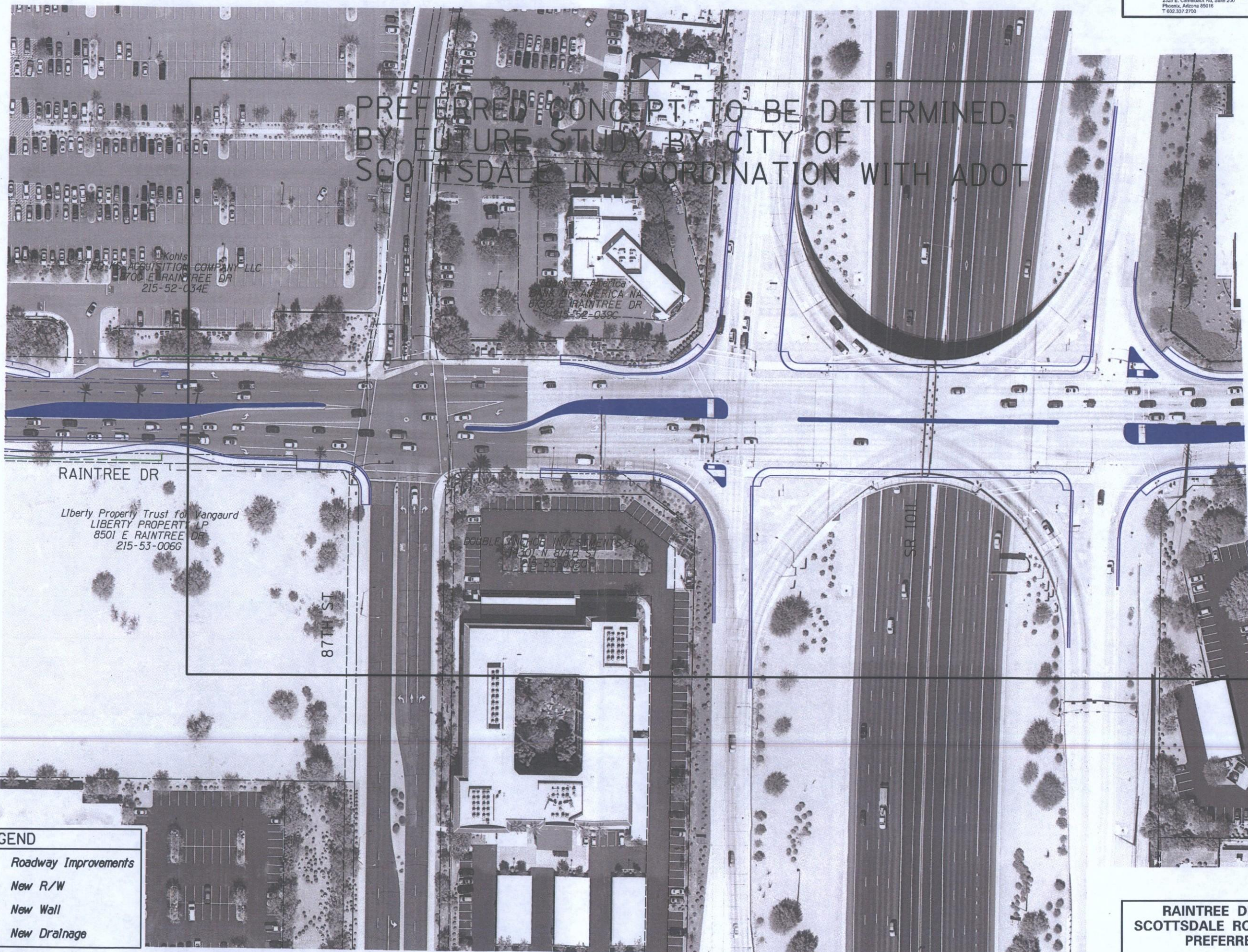
LEGEND	
	Roadway Improvements
	New R/W
	New Wall
	New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 8 OF 10**





PREFERRED CONCEPT TO BE DETERMINED  
 BY FUTURE STUDY BY CITY OF  
 SCOTTSDALE IN COORDINATION WITH ADOT



Kohl's  
 100% ACQUISITION COMPANY-LLC  
 700 E RAIN TREE DR  
 215-52-034E

BANK OF AMERICA NA  
 8150 E RAIN TREE DR  
 215-52-039C

Liberty Property Trust for Vanguard  
 LIBERTY PROPERTY LP  
 8501 E RAIN TREE DR  
 215-53-006G





BOBBLE FINCH INVESTMENTS LLC  
 8150 N 87TH ST  
 215-53-0057E

RAINTREE DR

87TH ST

SR 101L

**LEGEND**

-  Roadway Improvements
-  New R/W
-  New Wall
-  New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 9 OF 10**

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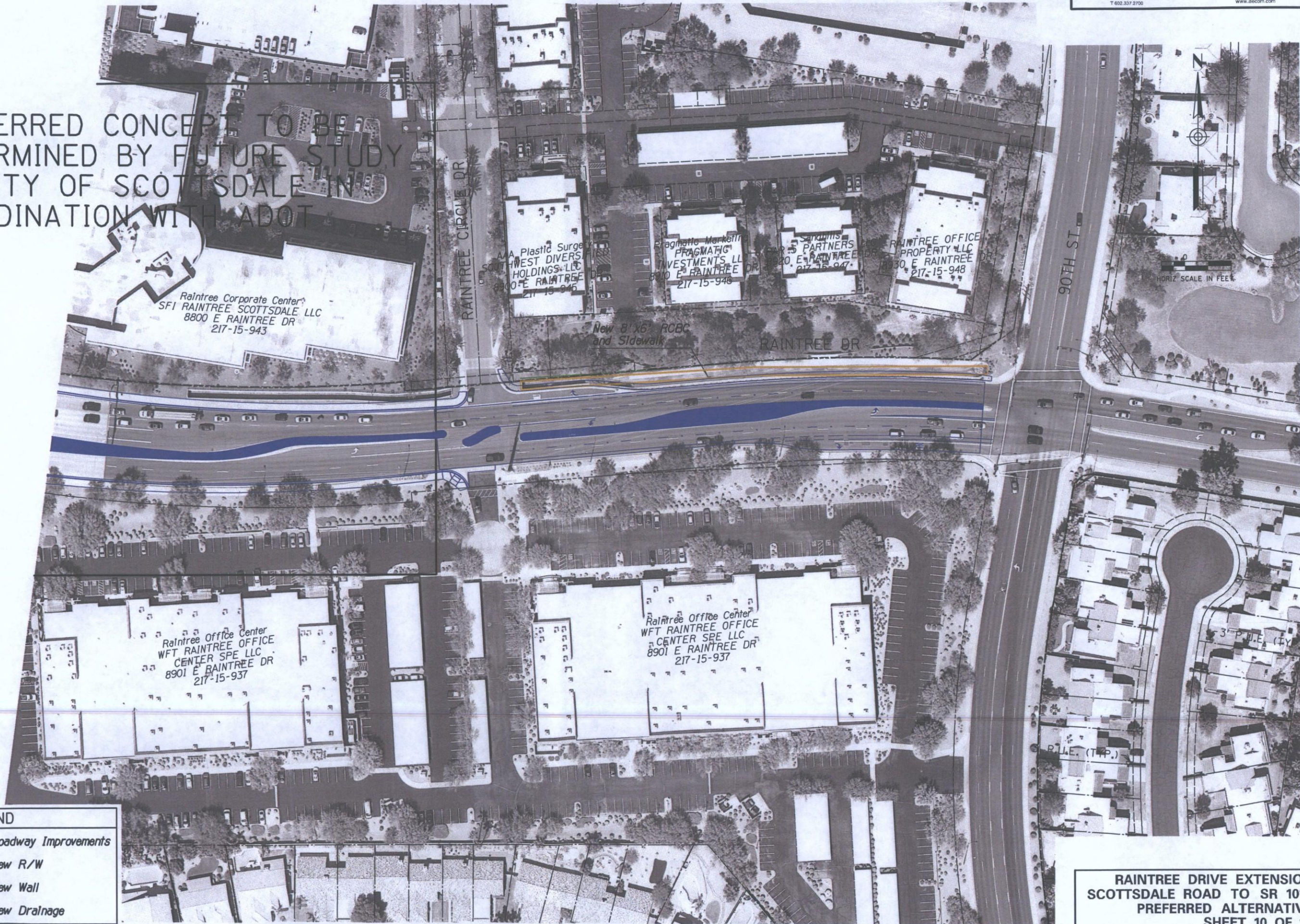
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PREFERRED CONCEPT TO BE  
 DETERMINED BY FUTURE STUDY  
 BY CITY OF SCOTTSDALE IN  
 COORDINATION WITH ADOT



LEGEND	
	Roadway Improvements
	New R/W
	New Wall
	New Drainage

**RAINTREE DRIVE EXTENSION  
 SCOTTSDALE ROAD TO SR 101L  
 PREFERRED ALTERNATIVE  
 SHEET 10 OF 10**