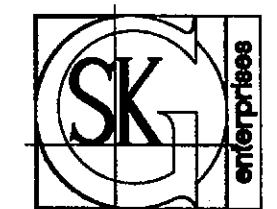


Full Size

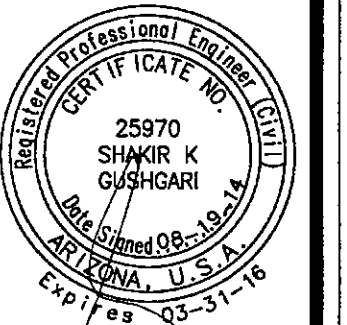
8.5 x 11

11 x 17

(site plan, landscape, elevations)



SKG ENTERPRISES, INC.
 9260 E. RAINTREE DRIVE
 SUITE 140
 SCOTTSDALE, AZ 85260
 PH) 480-998-5600
 FAX) 480-998-5603
 WWW.SKGAZ.COM



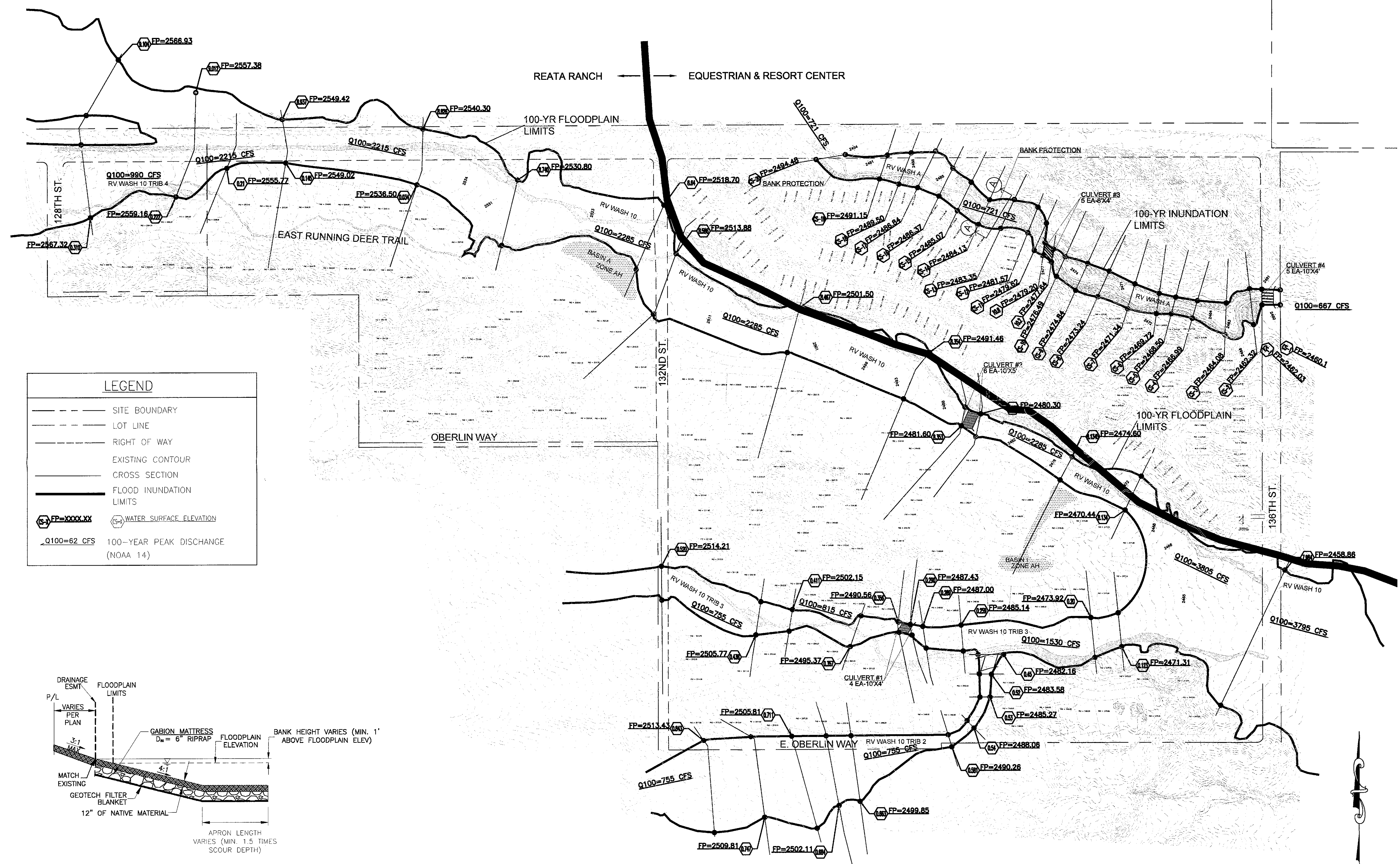
25970
 SHIVKAR K.
 GUSHKARI
 CIVIL ENGINEER
 STATE OF ARIZONA
 EXPIRES 03-31-16

EQUESTRIAN CENTER AT REATA RANCH
INUNDATION LIMITS-KEY MAP
 CITY OF SCOTTSDALE, ARIZONA

job no. 30-11
 design UP
 approved SKG
 date 05/2014

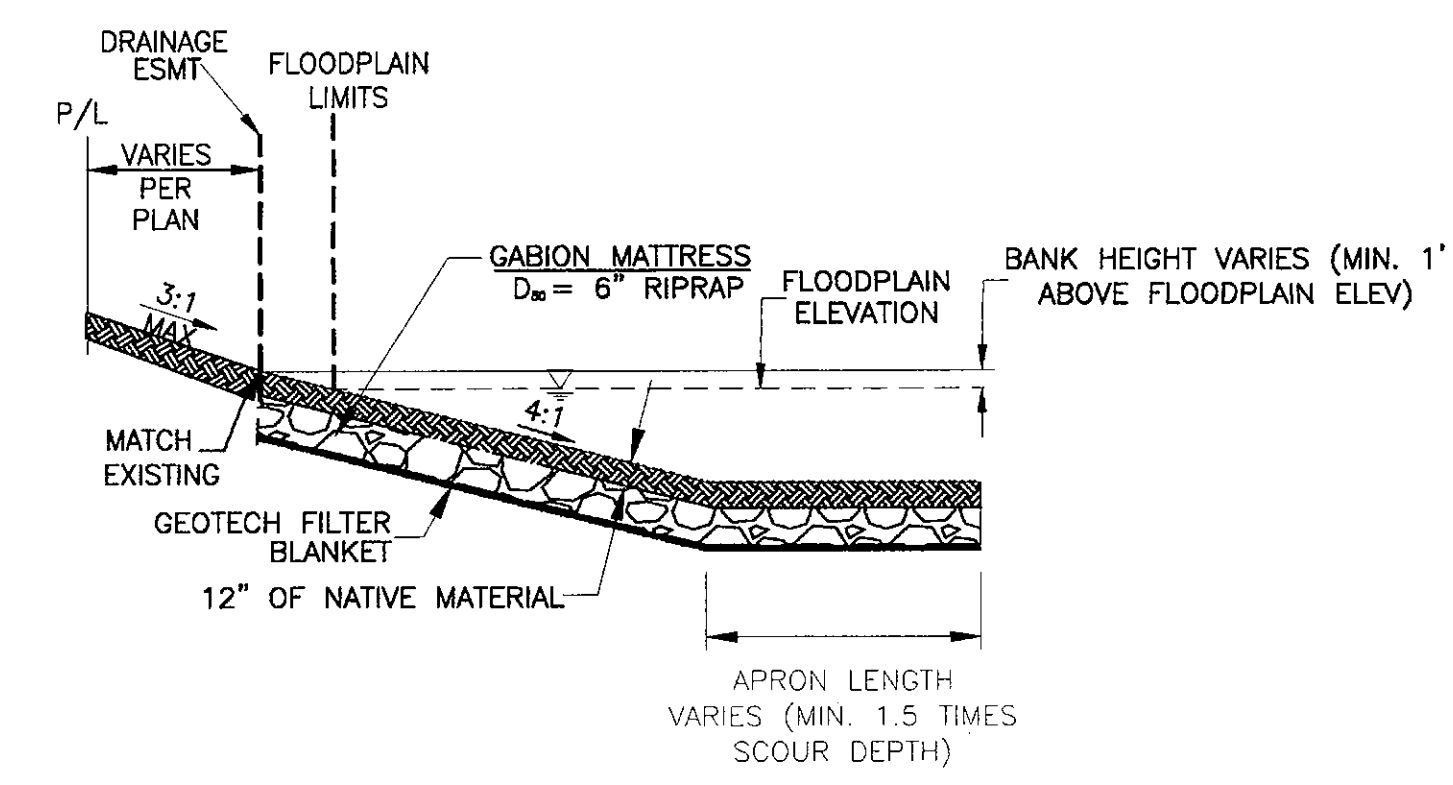
revisions

EXHIBIT

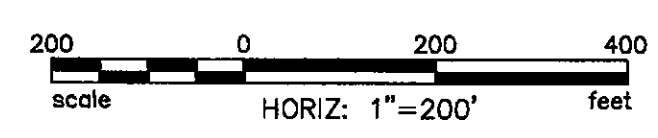


LEGEND

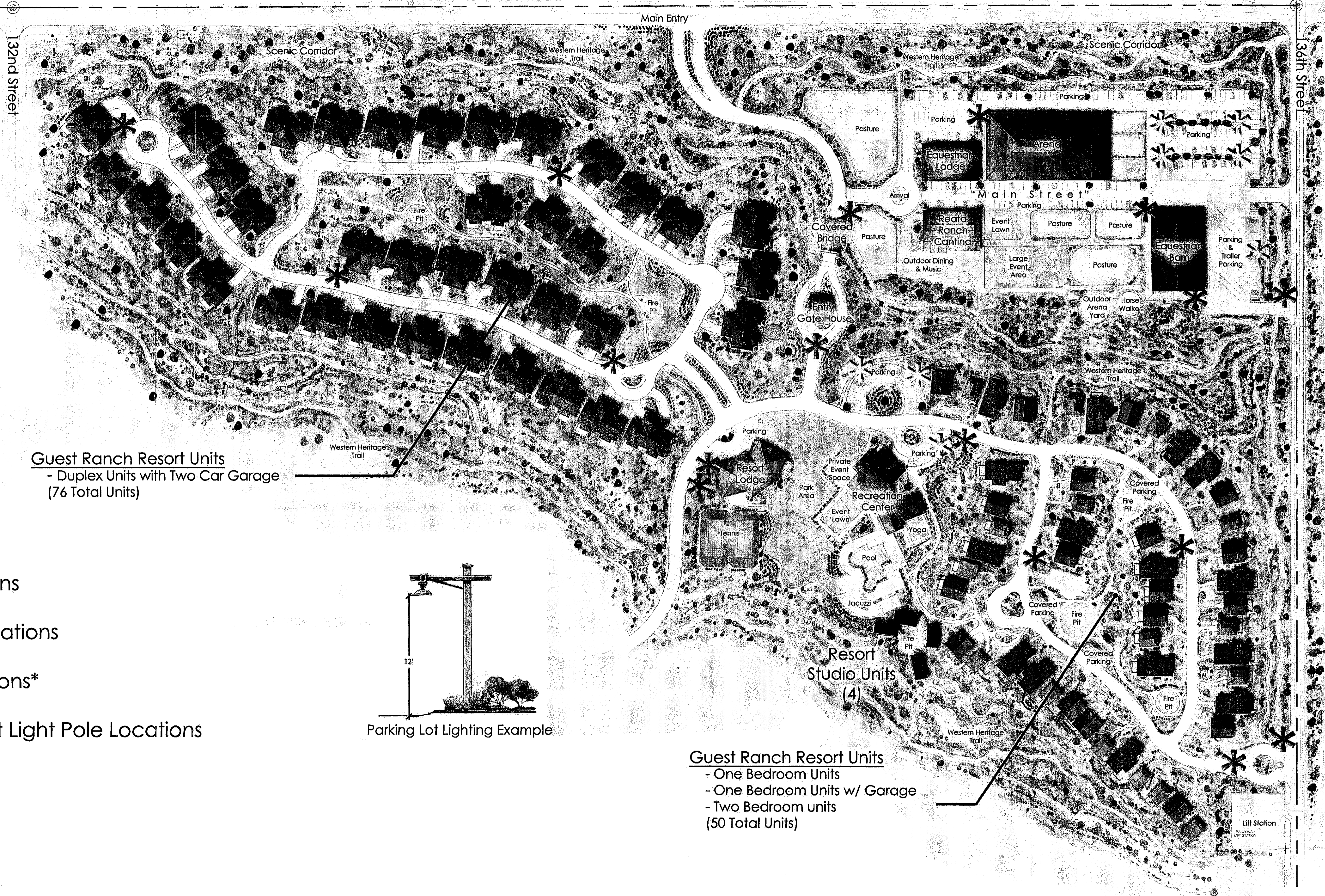
- SITE BOUNDARY
- LOT LINE
- RIGHT OF WAY
- EXISTING CONTOUR
- CROSS SECTION
- FLOOD INUNDATION LIMITS
- ⊙ FP=XXXX.XX WATER SURFACE ELEVATION
- Q100=62 CFS 100-YEAR PEAK DISCHARGE (NOAA 14)



SECTION A-A
 NTS



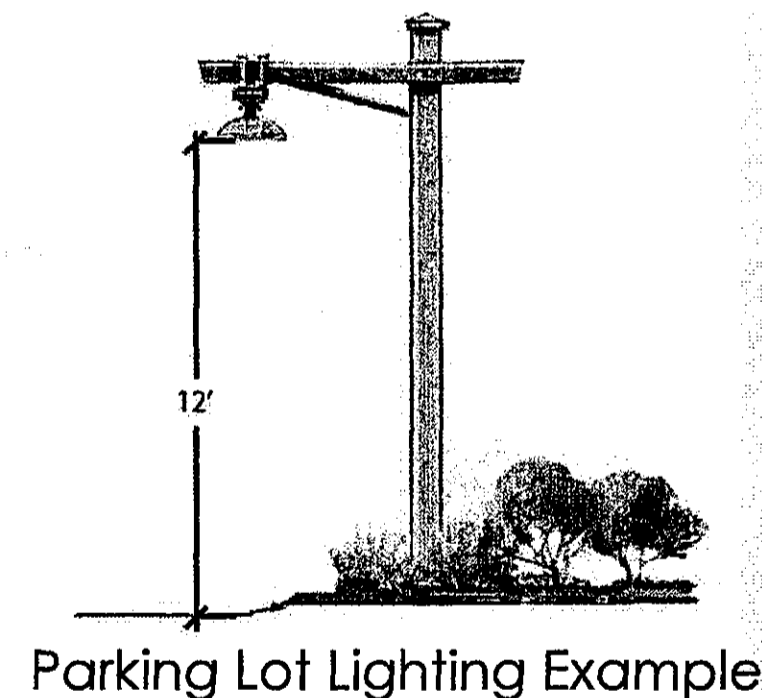
E. Rio Verde Road



Guest Ranch Resort Units
 - Duplex Units with Two Car Garage
 (76 Total Units)

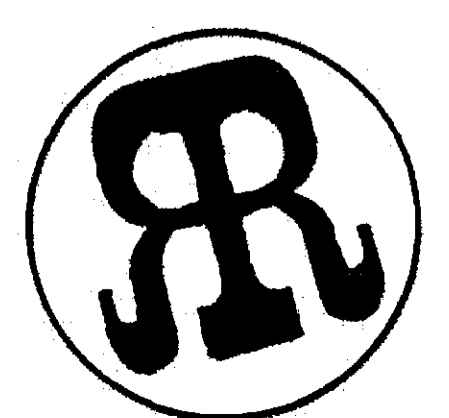
Guest Ranch Resort Units
 - One Bedroom Units
 - One Bedroom Units w/ Garage
 - Two Bedroom units
 (50 Total Units)

- * Fire Hydrant Locations
- * Trash Enclosures Locations
- * Access Gate Locations*
- * Potential Parking Lot Light Pole Locations



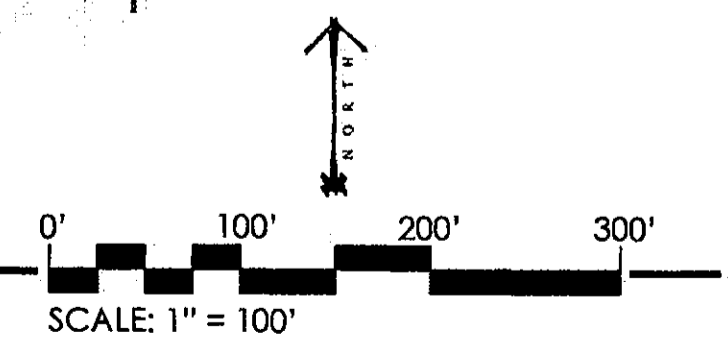
* All access gates will have key switch & sensor pre-emption per Fire Ord. 4045. 503.6.1

DRB Application
REATA RANCH
 Resort Site Plan



Fire Plan Reviewer By:
 Rick King (602) 312-2372
 www.rking@co.tulsa.ok.us

9-DR-2014
 7/3/2014



GRADING PLAN FOR EQUESTRIAN CENTER & RESORT AT REATA RANCH

LOCATED IN A PORTION OF THE THE NORTH HALF OF SECTION 36, TOWNSHIP 5
NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, SCOTTSDALE, ARIZONA.

CITY OF SCOTTSDALE GENERAL CONSTRUCTION NOTES FOR PUBLIC WORKS CONSTRUCTION:

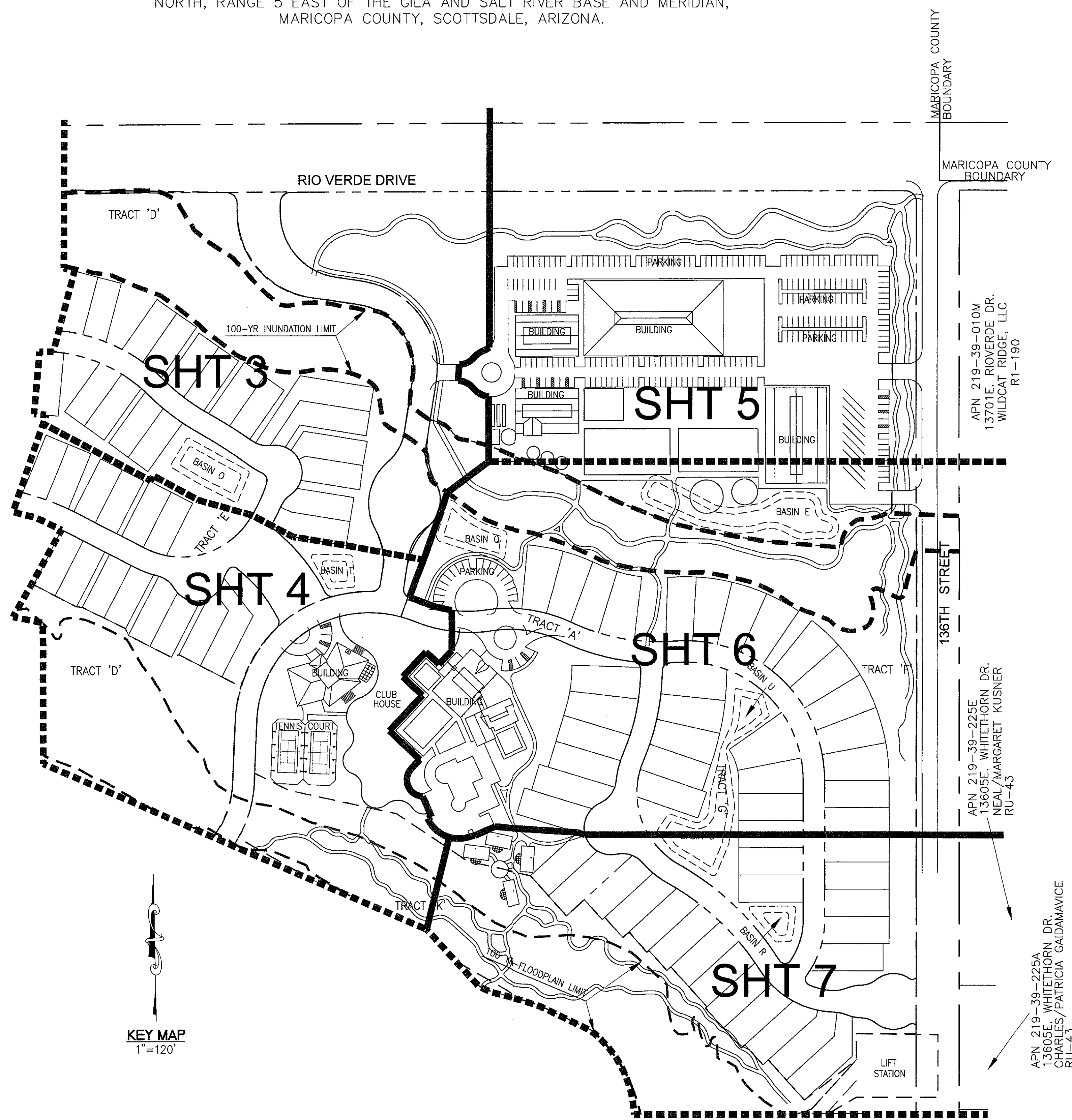
1. ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE (COS) SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE LATTER SHALL GOVERN.
2. THE ENGINEERING DESIGNS ON THESE PLANS ARE ONLY APPROVED BY THE CITY IN SCOPE AND NOT IN DETAIL. IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
3. APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF AN ENCROACHMENT PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN SIX MONTHS, THE PLANS SHALL BE RESUBMITTED TO THE CITY FOR RE-APPROVAL.
4. A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY OF SCOTTSDALE RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO STARTING OF CONSTRUCTION (TELEPHONE 480-312-5750).
5. WHENEVER EXCAVATION IS TO BE DONE, CALL THE "BLUE STAKE CENTER," 602-263-1100, TWO WORKING DAYS BEFORE EXCAVATION IS TO BEGIN. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT. CALL "COLLECT" IF NECESSARY. ENCROACHMENT PERMITS ARE REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES.
6. ENCROACHMENT PERMIT WILL BE ISSUED BY THE CITY UPON RECEIPT OF PAYMENT OF A BASE FEE PLUS A FEE FOR INSPECTION SERVICES TO BE PROVIDED BY THE CITY. COPIES OF ALL PERMITS SHALL BE RETAINED ON-SITE AND SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE WORK STOPPAGE UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
7. ALL EXCAVATION AND GRADING WHICH IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO CHAPTER 70, EXCAVATION AND GRADING, OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE PREPARED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS. A PERMIT FOR THIS GRADING MUST BE SECURED FROM THE CITY FOR A FEE ESTABLISHED BY THE UNIFORM BUILDING CODE.
8. ALL DISTURBED OR SCARRED BOULDERS, ROCK FACES AND RIP RAP SHALL BE TREATED WITH EONITE OR EQUIVALENT.
9. HEADWALLS AND RIP RAP TO BE INTEGRALLY COLORED WITH SURROUNDING LANDSCAPE (MATERIAL AND VARNISH).
10. PRIOR TO THE START OF GRADING ON THIS SITE, A DUST CONTROL PERMIT MUST BE OBTAINED FROM THE MARICOPA COUNTY DIVISION OF AIR POLLUTION CONTROL.
11. ALL DRAINAGE, FLOOD CONTROL STRUCTURES AND EASEMENTS SHALL BE MAINTAINED BY THE HOMEOWNERS ASSOCIATION OR PROPERTY OWNERS.

UTILITIES/SERVICE PROVIDERS

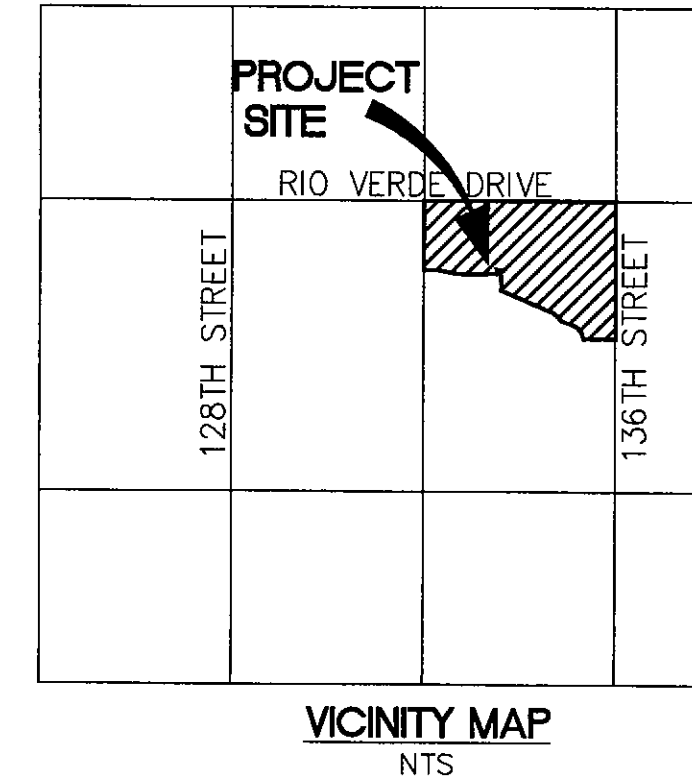
- WATER : CITY OF SCOTTSDALE
- SEWER : CITY OF SCOTTSDALE
- ELECTRIC : ARIZONA PUBLIC SERVICE
- TELEPHONE : CENTURYLINK, INC
- CABLE : COX COMMUNICATIONS
- SOUTHWEST GAS
- POLICE : SCOTTSDALE POLICE DEPARTMENT
- FIRE : SCOTTSDALE FIRE DEPARTMENT
- SCHOOL DISTRICT : CAVE CREEK SCHOOL DISTRICT

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

COMMUNITY NUMBER	PANEL # PANEL DATE	SUFFIX	DATE OF FIRM (Index Date)	FIRM ZONE	BASE FLOOD ELEVATION (In AO Zone, Use Depth)
045012	1335 10-16-2013	L	10-16-2013	D	N/A



KEY MAP
1"=120'



OWNER

CA RIO VERDE INVESTORS LLC
2555 E. CAMELBACK RD.
SUITE 770, PHOENIX, AZ 85016
PH: (602) 353-2833

OWNER REPRESENTATIVE

LAND DEVELOPMENT SERVICES
7525 E. CAMELBACK RD. SUITE 104
SCOTTSDALE, ARIZONA 85251
PH: 480-946-5020
FAX: 480-946-5041

ENGINEER

SKG ENTERPRISES INC.
9260 EAST RAINTREE DRIVE
SUITE 140
SCOTTSDALE, AZ. 85260
PH: 480-998-5600
FAX: 480-998-5603

LANDSCAPE ARCHITECT

LAND PLANNING
GREEY-PICKETT
7051 E. 5TH AVE, SUITE 200
SCOTTSDALE, AZ. 85251
PH: 480-609-0009

BENCHMARK:

GLO BRASS CAP 1919,
UP 1.15' WEST SIDE OF FENCE LINE,
AT THE E COR. SECTION 36 T5N, R5E,
136TH ST. & PINNACLE VISTA DRIVE,
ELEVATION 2461.891
CITY OF SCOTTSDALE NAD 88

I HEREBY CERTIFY THAT ALL
ELEVATIONS REPRESENTED ON THIS
PLAN ARE BASED
ON THE ELEVATION DATUM FOR
THE CITY OF SCOTTSDALE
BENCHMARK PROVIDED ABOVE.

BASIS OF BEARING

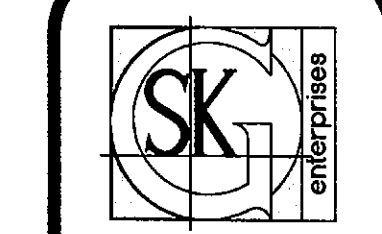
THE NORTH LINE OF THE
NORTHEAST QUARTER OF SECTION
36, TOWNSHIP 5 NORTH, RANGE
5 EAST OF THE G.&S.R.B.&M,
MARICOPA COUNTY, ARIZONA, AS
SHOWN ON THE FINAL PLAT OF
DESERT ESTATES AT PINNACLE
PEAK, ACCORDING TO BOOK 960
OF MAPS, PAGE 22, RECORDS
OF MARICOPA COUNTY, ARIZONA.
BASIS OF BEARING BEING
N89°50'25"E.

SITE SUMMARY TABLE

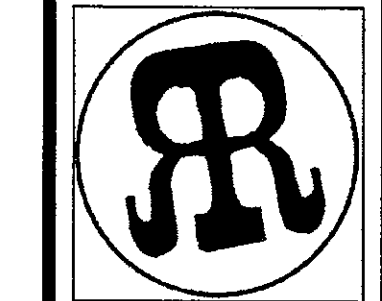
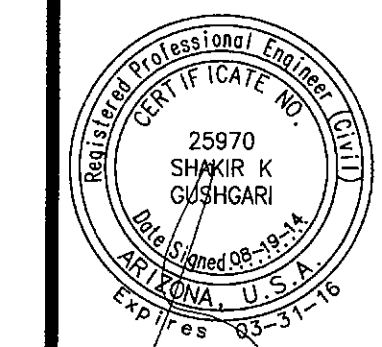
GROSS ACREAGE : 220.14 ACRE
NET ACREAGE : 207.52 ACRE
ZONING : R-4R
RESIDENTIAL UNITS : 326

SHEET INDEX:

SHEET 1 COVER SHEET
SHEET 2 DETAIL SHEET
SHEET 3-7 GRADING PLANS



SKG ENTERPRISES, INC.
9260 E. RAIN TREE DRIVE
SUITE 140
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FAX) 480-998-5603
WWW.SKGAZ.COM



job no. 30-11
design UP
approved SKG
date 8/2014

revisions

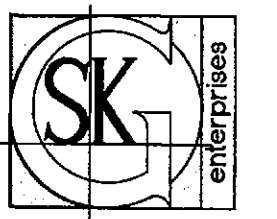
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9-DR-2014
9/11/2014

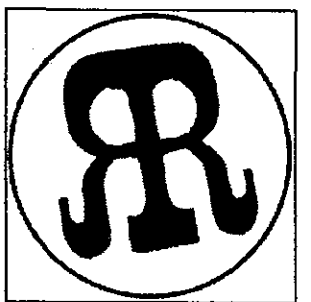
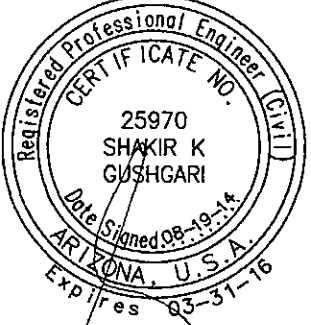
1 of 7

REATA RANCH

**EQUESTRIAN CENTER & RESORT AT REATA RANCH
COVER SHEET
CITY OF SCOTTSDALE, ARIZONA**



SKG ENTERPRISES, INC.
9260 E. RAINTREE DRIVE
SUITE 140
SCOTTSDALE, AZ. 85260
PH) 480-998-5600
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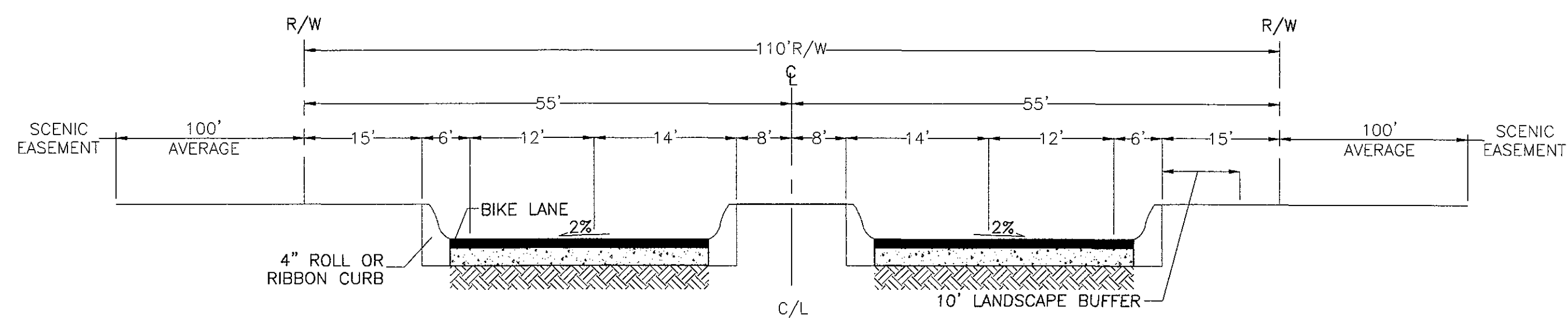
EQUESTRIAN CENTER & RESORT AT REATA RANCH
DETAIL SHEET
CITY OF SCOTTSDALE, ARIZONA

job no. 30-11
design UP
approved SKG
date 8/2014

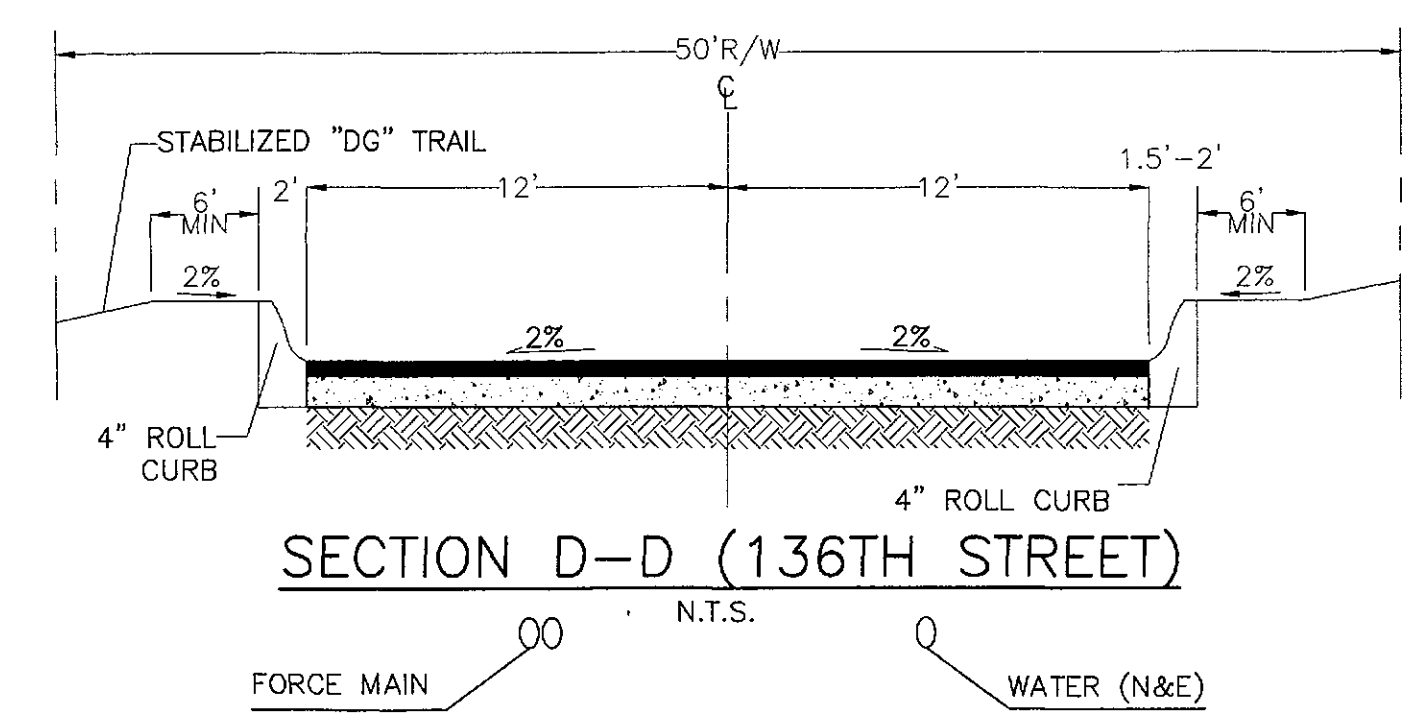
revisions

sheet

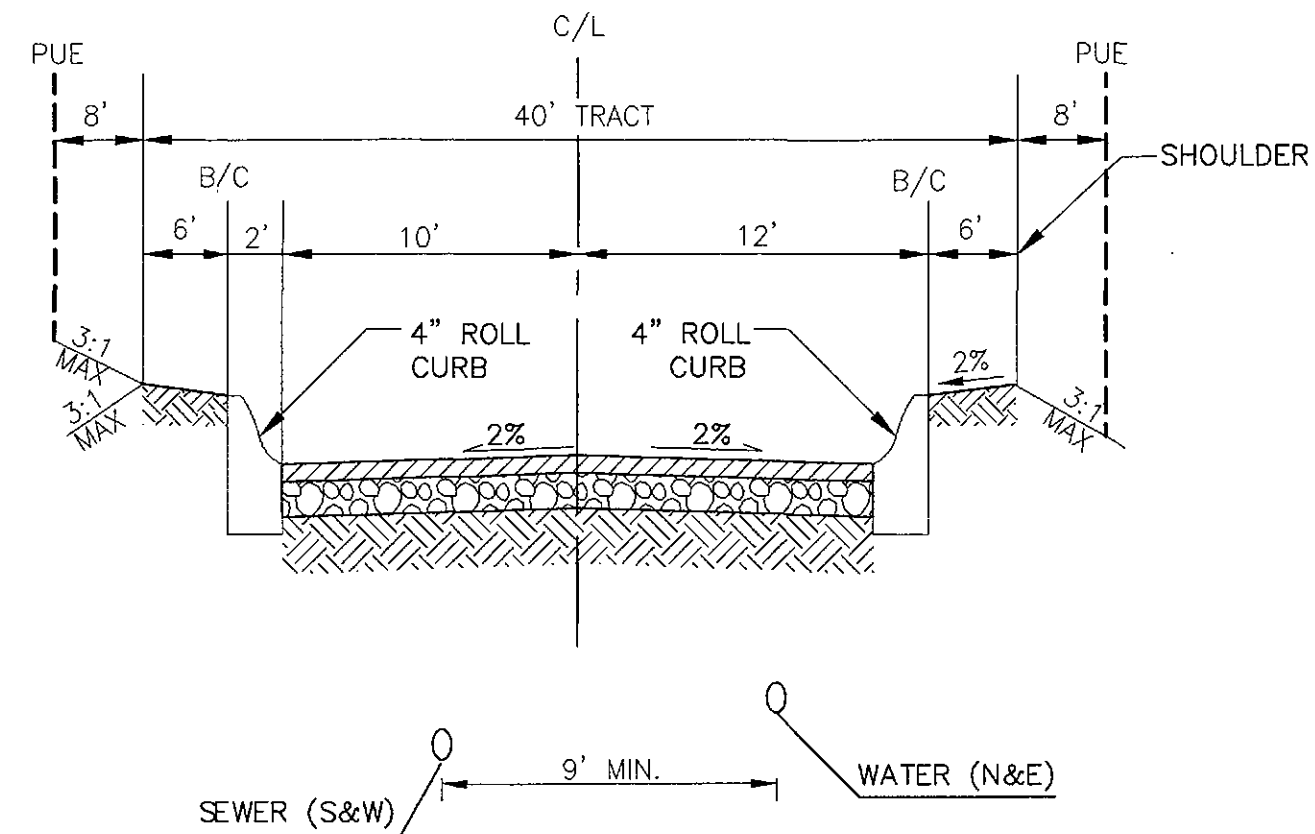
REATA RANCH



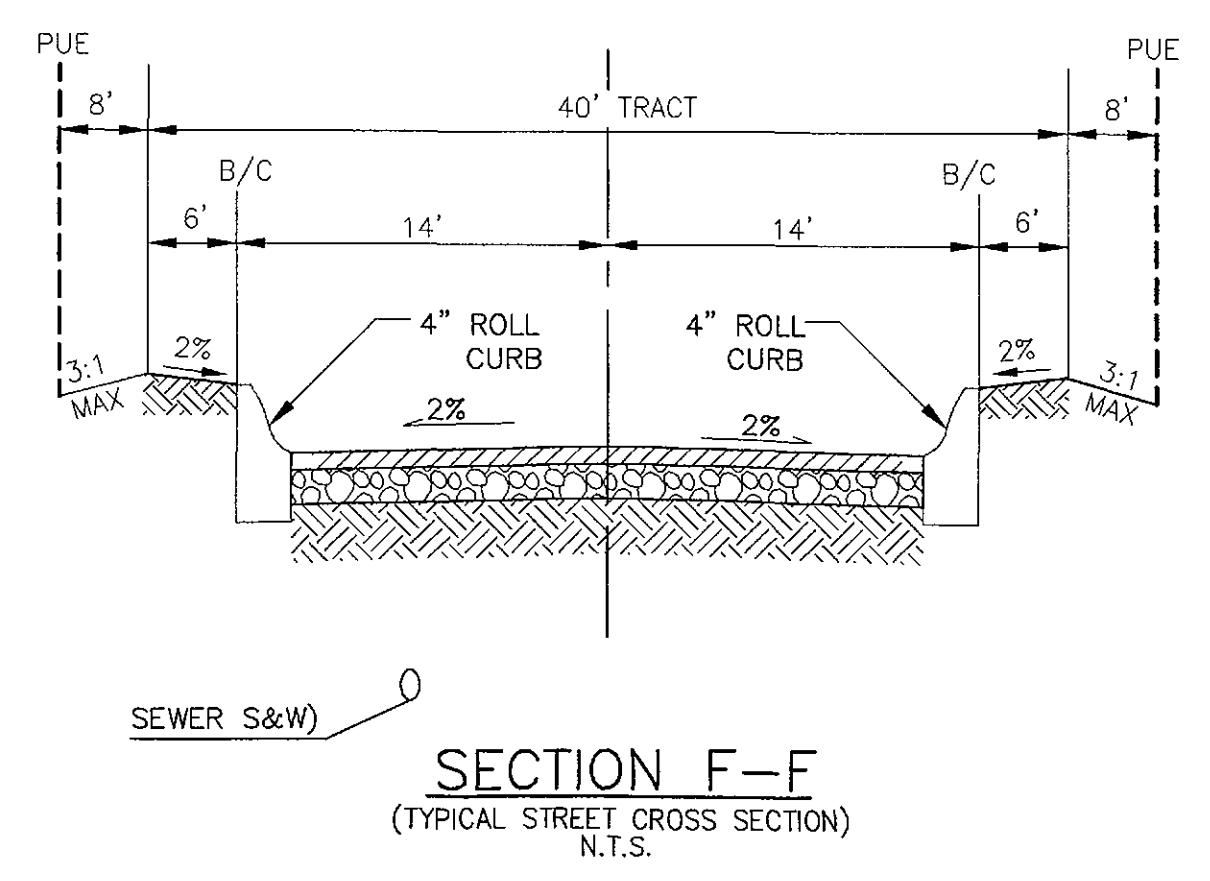
SECTION A-A (DYNAMITE/RIO VERDE DRIVE) (NOT CONSTRUCTED/FUTURE PVMNT.)
LOOKING EAST
N.T.S. NOT A PART OF THIS PLAT
SHOWN FOR REFERENCE PURPOSE ONLY



SECTION D-D (136TH STREET)
N.T.S.

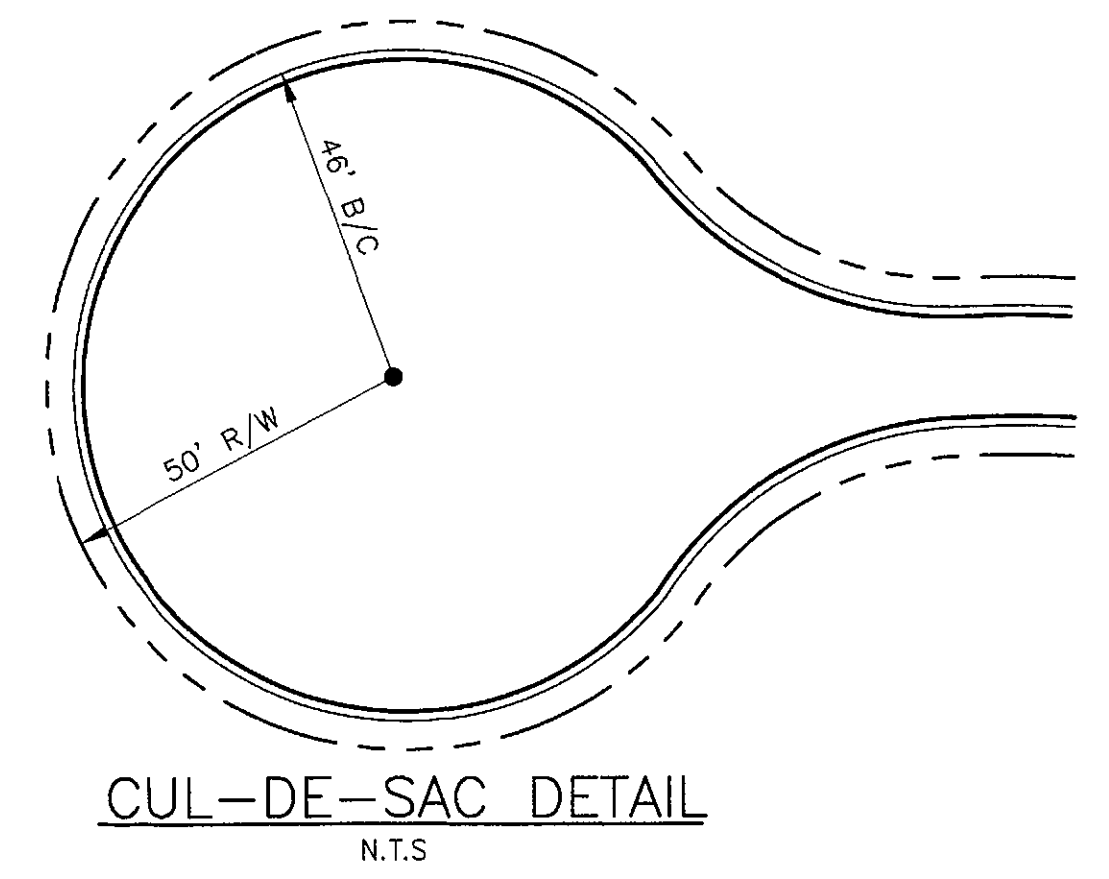


SECTION E-E
(TYPICAL STREET CROSS SECTION)
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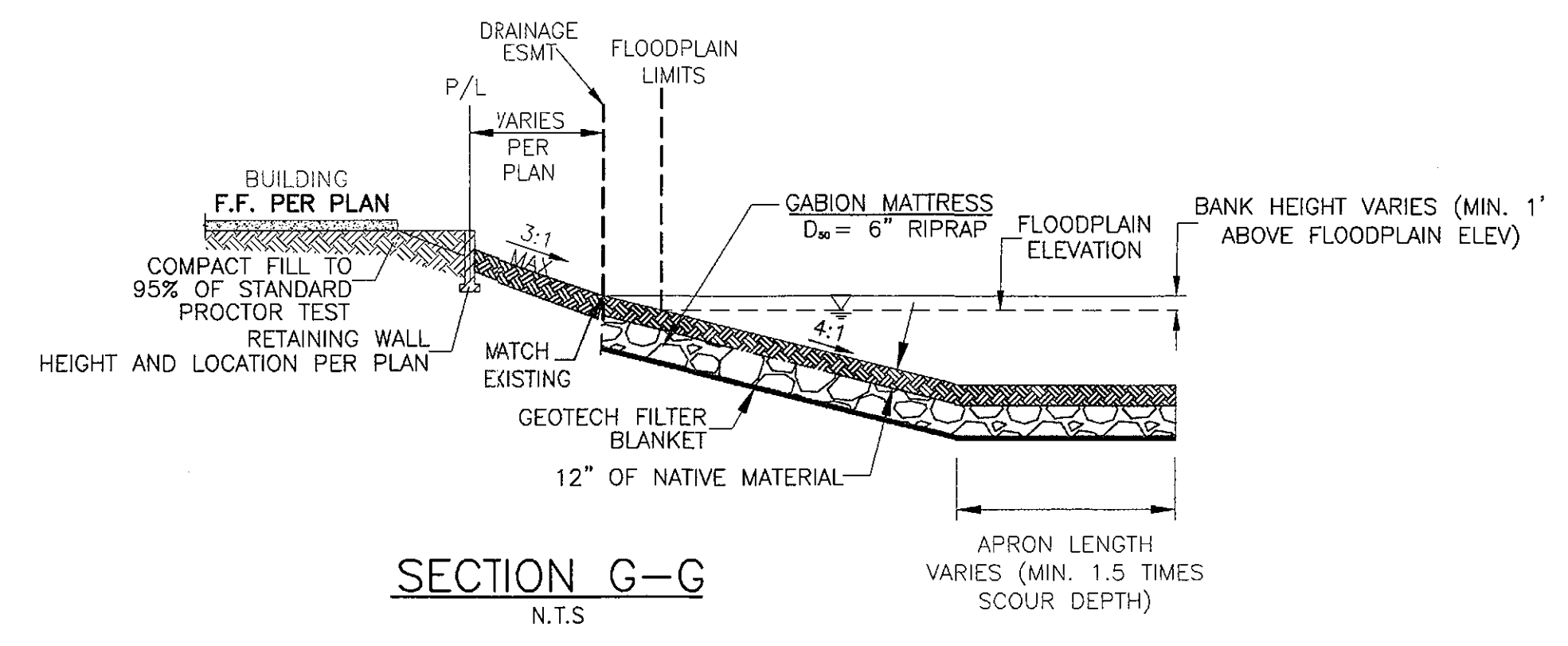


SECTION F-F
(TYPICAL STREET CROSS SECTION)
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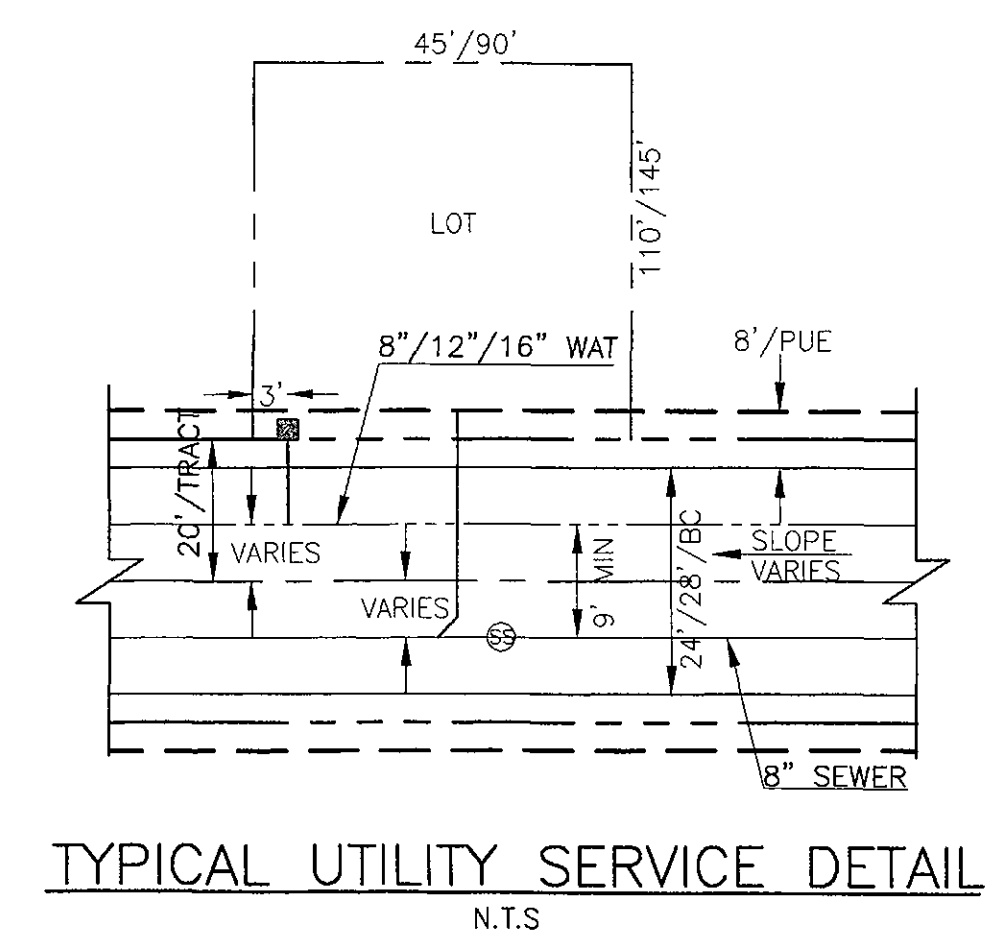
- LEGEND**
- PROPOSED RIGHT OF WAY
 - BOUNDARY
 - PROPOSED CENTER LINE
 - 1435 PROPOSED MAJOR CONTOUR
 - 1435 PROPOSED MINOR CONTOUR
 - 1435 EXISTING MAJOR CONTOUR
 - 1435 EXISTING MINOR CONTOUR
 - PROPOSED BASIN
 - PROPOSED CURB & GUTTER
 - PROPOSED LOT LINE
 - PROPOSED RETAINING WALL
 - PUBLIC UTILITY EASEMENT
 - PROPOSED SHARED DRIVEWAY
 - SURVEY MONUMENT
 - 8" W PROPOSED 8" WATER LINE
 - 12" W PROPOSED 12" WATER LINE
 - 4" FM PROPOSED 4" FORCE MAIN
 - 8" S PROPOSED SEWER LINE
 - SEWER MANHOLE
 - PROPOSED BEND
 - PROPOSED TEE BEND
 - PROPOSED FIRE HYDRANT
 - PROPOSED BOX CULVERT
 - BANK PROTECTION
 - TW=2237.90 TOP OF WALL & BOTTOM OF WALL ELEVATION
 - BW=2233.90
 - 2237.90 100-YR FLOODPLAIN LIMIT
 - 2237.90 LOWEST TC ELEVATION
 - PROPOSED LIFT STATION
 - PUE PUBLIC UTILITY EASEMENT



CUL-DE-SAC DETAIL
N.T.S.

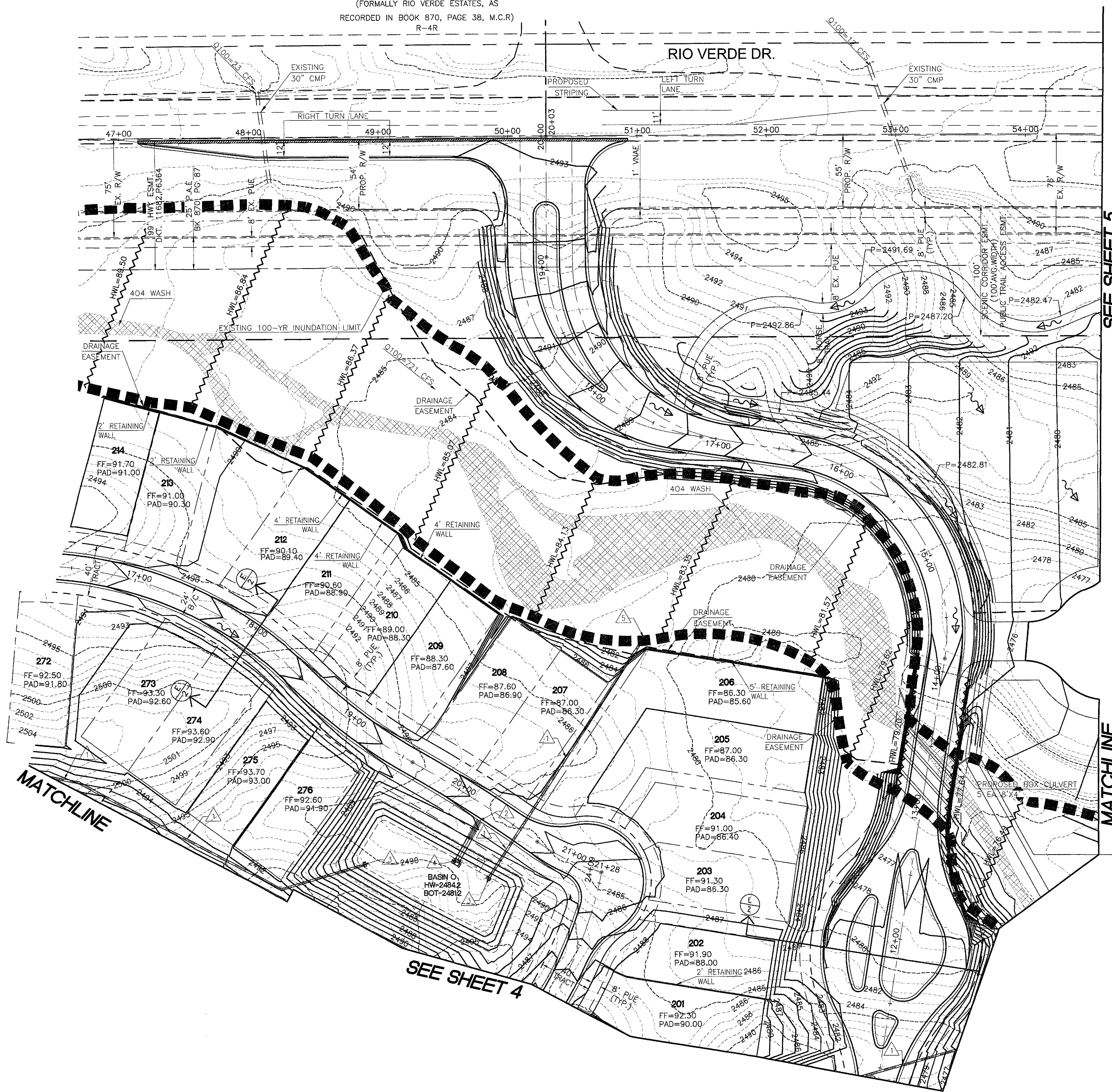


SECTION G-G
N.T.S.



TYPICAL UTILITY SERVICE DETAIL
N.T.S.

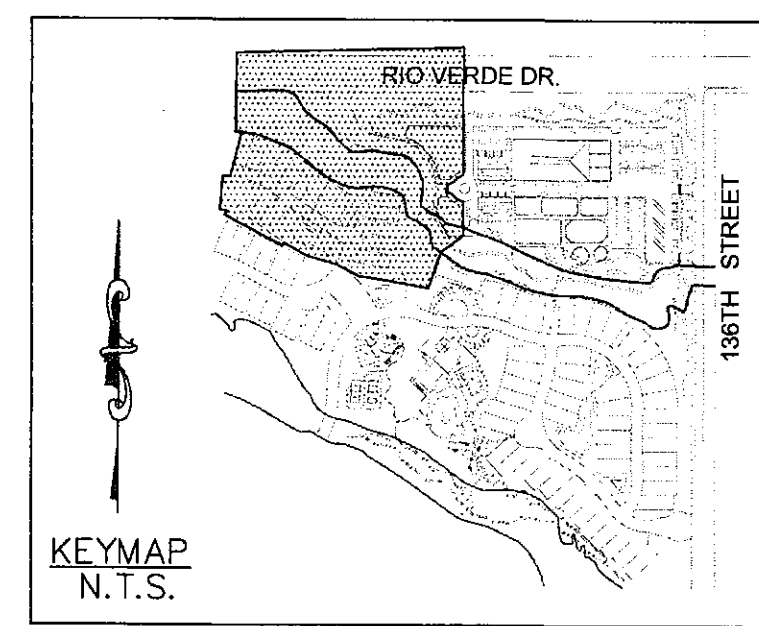
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RECORDED IN BOOK 870, PAGE 38, M.C.R.)
R-4R



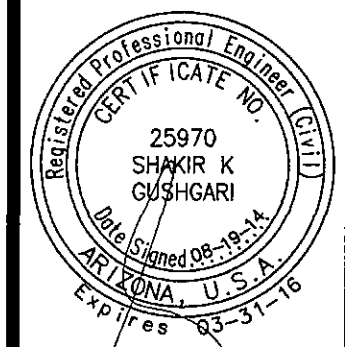
SEE SHEET 5

MATCHLINE

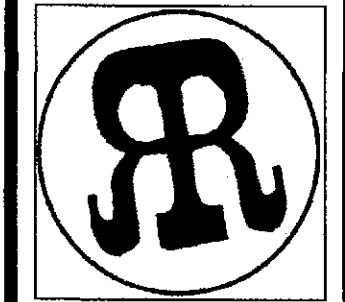
SEE SHEET 4



SKG
SKG ENTERPRISES, INC.
9260 E. RAIN TREE DRIVE
SUITE 140
SCOTTSDALE, AZ. 85260
PH) 480-998-5600
FAX) 480-998-5603
WWW.SKG.COM



1-800-STAKE-IT
OUTSIDE MARICOPA COUNTY



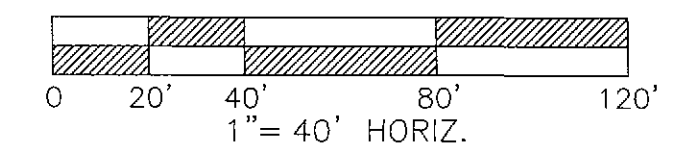
EQUESTRIAN CENTER & RESORT AT REATA RANCH
GRADING PLAN
CITY OF SCOTTSDALE, ARIZONA

- GRADING NOTES --
- STORM DRAIN NOTES --
- 1 18" HDPE BLEED-OFF PIPE W/RIP-RAP BANK PROTECTION MITRE PIPE TO MATCH BANK SLOPE CURB OPENING W/RIP-RAP, WIDTH PER PLAN
 - 2 "U" SHAPE HEADWALL W/RIP-RAP PER MAG STD. DTL. 501-1
 - 3 GRADE SWALE TO DRAIN. PLACE RIP-RAP ON BASIN BANK TO PROTECT SLOPE
 - 4 ALL HEADWALL OF THE BLEED OFF PIPE TO HAVE FLAP GATES AT THE DOWNSTREAM END, TO PREVENT RUNOFF FROM THE WASH ENTERING INTO THE RETENTION BASIN.
 - 5 8" ORIFICE PLATE
 - 6 12" ORIFICE PLATE

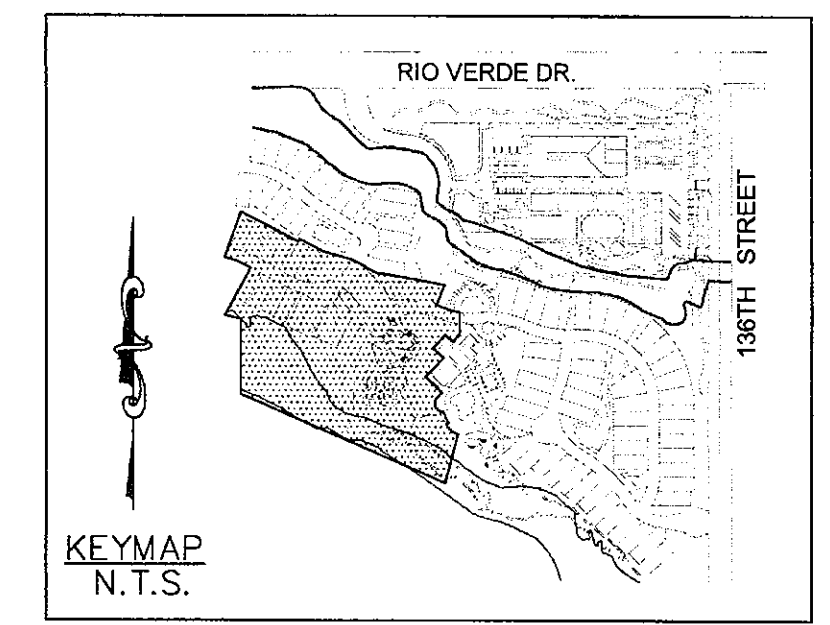
job no. 30-11
design UP
approved SKG
date 8/2014

revisions

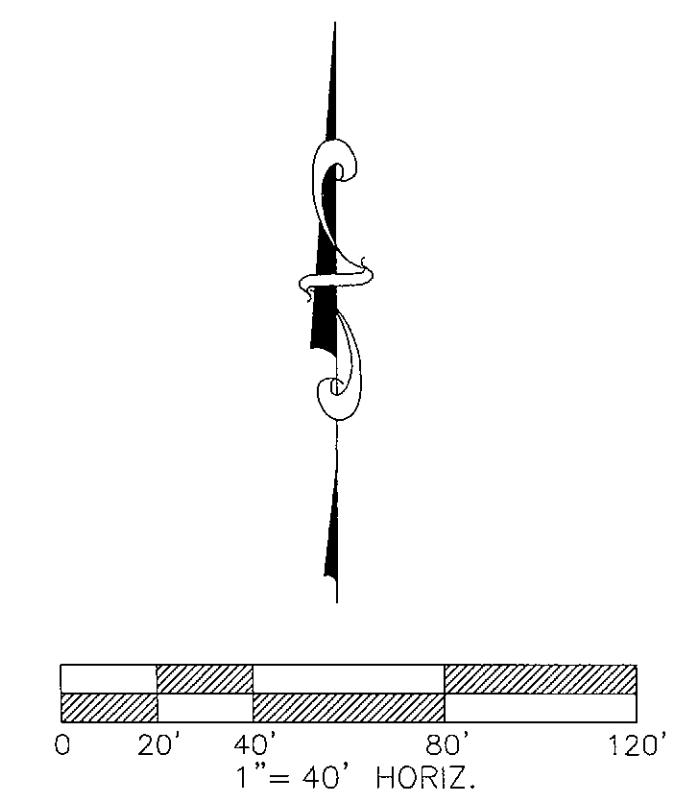
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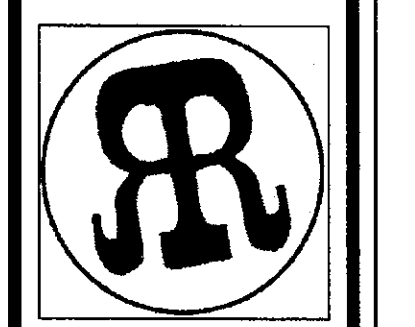
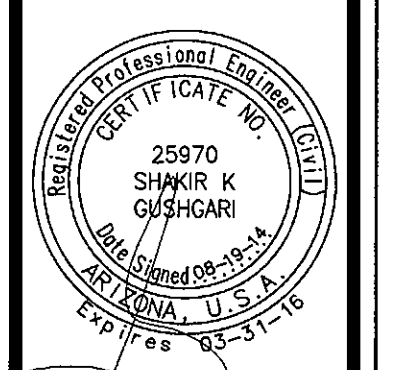
REATA RANCH



- GRADING NOTES --
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EQUESTRIAN CENTER & RESORT AT REATA RANCH
GRADING PLAN
CITY OF SCOTTSDALE, ARIZONA

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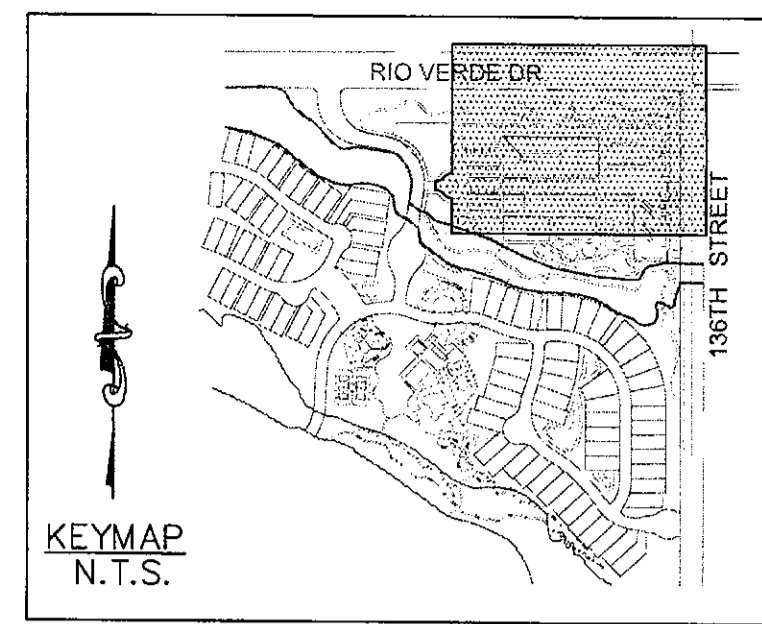
revisions

sheet
4 of 7

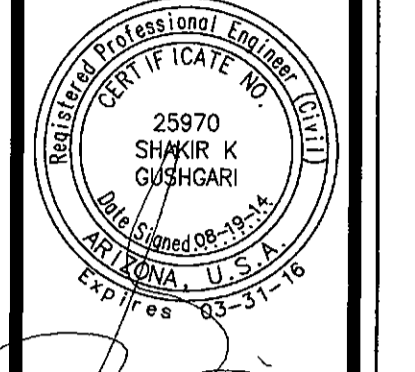
REATA RANCH

-- GRADING NOTES --
 -- STORM DRAIN NOTES --

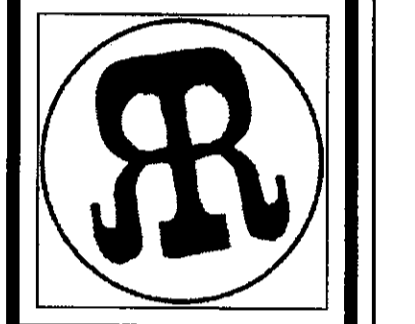
- 1 18" HDPE BLEED-OFF PIPE W/RIP-RAP BANK PROTECTION MITRE PIPE TO MATCH BANK SLOPE
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SK
 SKG ENTERPRISES, INC.
 9260 E. RAINTREE DRIVE
 SUITE 140
 SCOTTSDALE, AZ. 85260
 PH) 480-998-5600
 FAX) 480-998-5603
 WWW.SKGAZ.COM



25970
 SHIKHAR K
 GUSHGARI
 PROFESSIONAL ENGINEER
 STATE OF ARIZONA
 LICENSE NO. 25970
 EXPIRES 03-31-16



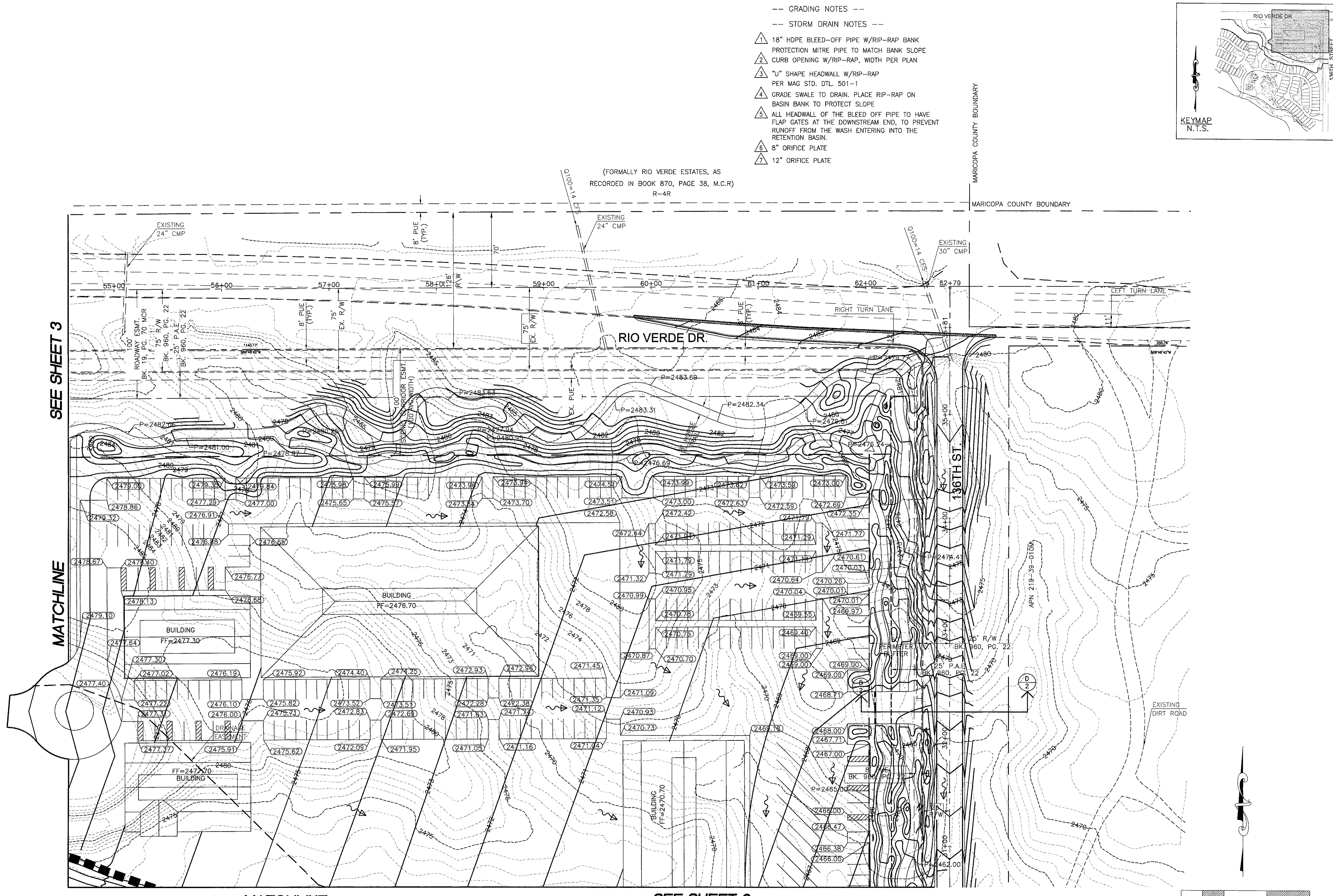
EQUESTRIAN CENTER & RESORT AT REATA RANCH
GRADING PLAN
 CITY OF SCOTTSDALE, ARIZONA

job no. 30-11
 design UP
 approved SKG
 date 8/2014

revisions

sheet

(FORMALLY RIO VERDE ESTATES, AS
 RECORDED IN BOOK 870, PAGE 38, M.C.R)
 R-4R

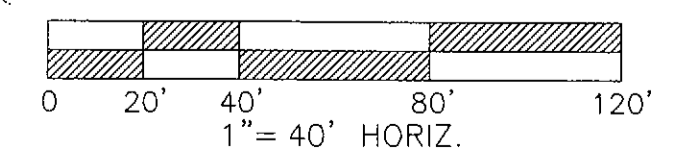


SEE SHEET 3

MATCHLINE

MATCHLINE

SEE SHEET 6

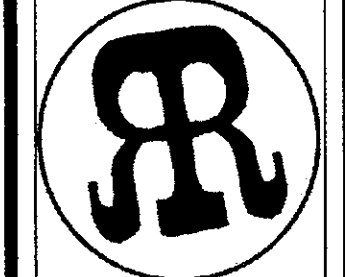


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002-263-100
1-800-STAKE-IT
OUTSIDE MARICOPA COUNTY

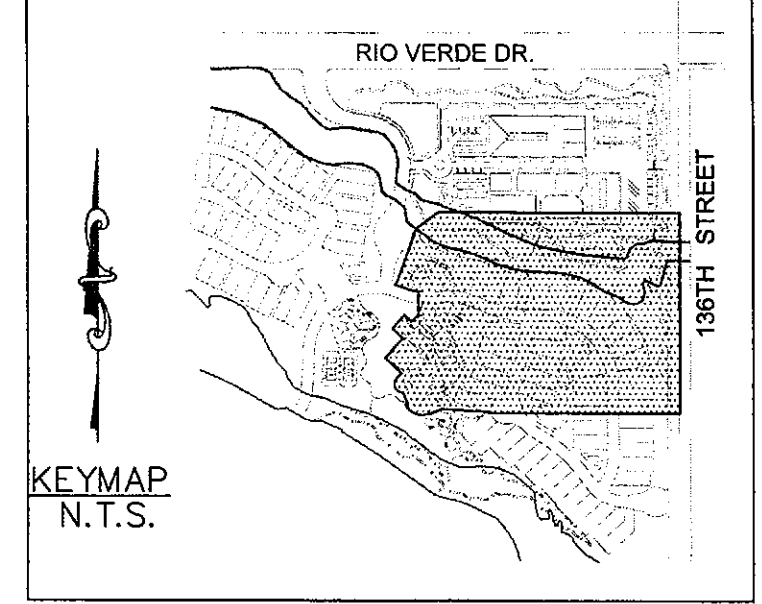


EQUESTRIAN CENTER & RESORT AT REATA RANCH
GRADING PLAN
CITY OF SCOTTSDALE, ARIZONA

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revisions

sheet
6 of 7



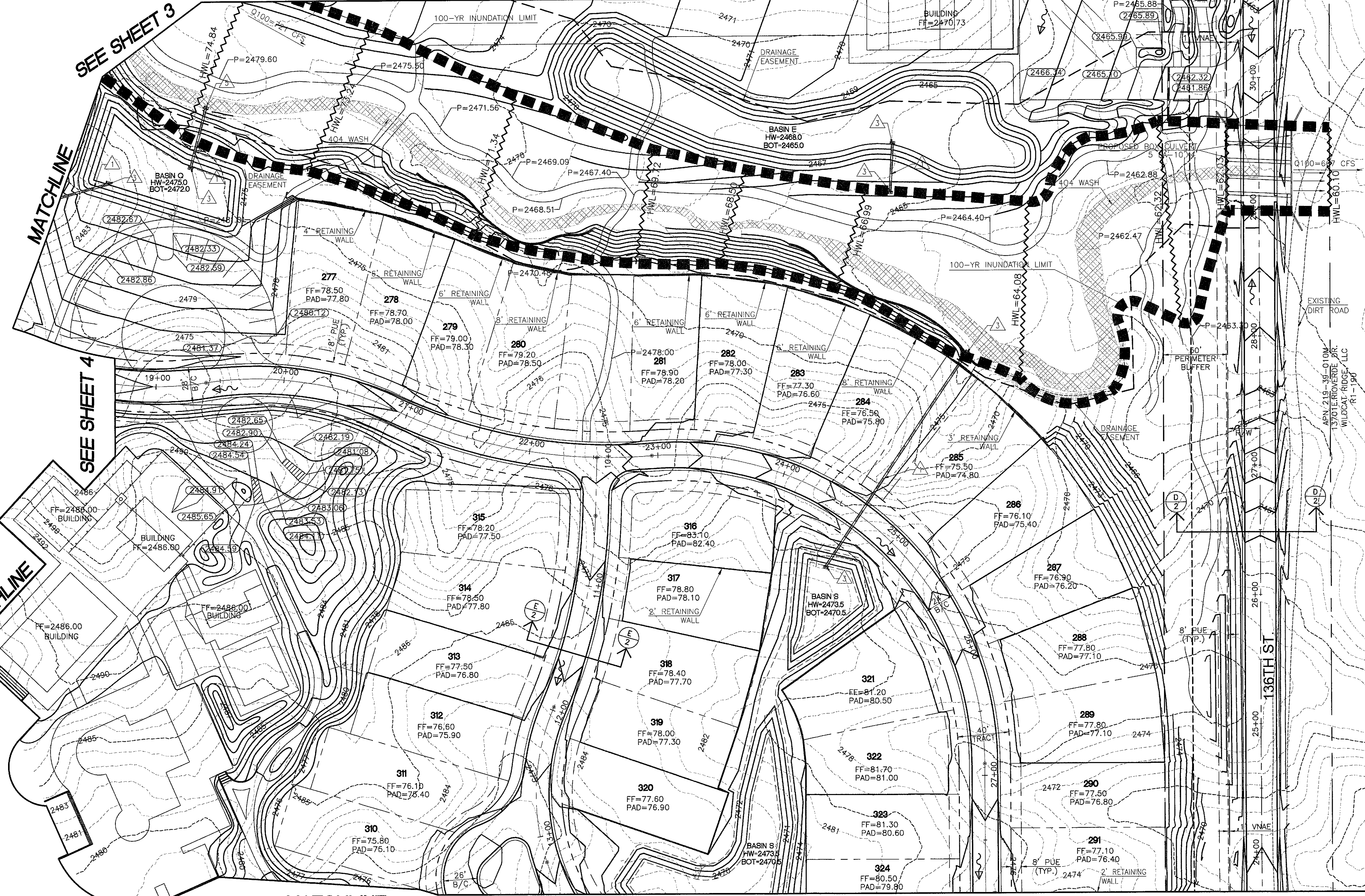
-- GRADING NOTES --

-- STORM DRAIN NOTES --

- 1 18" HDPE BLEED-OFF PIPE W/RIP-RAP BANK PROTECTION MITRE PIPE TO MATCH BANK SLOPE
- 2 CURB OPENING W/RIP-RAP, WIDTH PER PLAN
- 3 "U" SHAPE HEADWALL W/RIP-RAP PER MAG STD. DTL. 501-1
- 4 GRADE SWALE TO DRAIN. PLACE RIP-RAP ON BASIN BANK TO PROTECT SLOPE
- 5 ALL HEADWALL OF THE BLEED OFF PIPE TO HAVE FLAP GATES AT THE DOWNSTREAM END, TO PREVENT RUNOFF FROM THE WASH ENTERING INTO THE RETENTION BASIN.
- 6 8" ORIFICE PLATE
- 7 12" ORIFICE PLATE

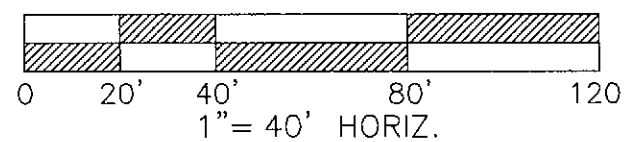
MATCHLINE

SEE SHEET 5



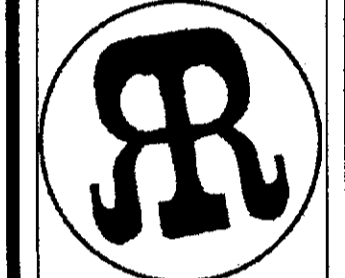
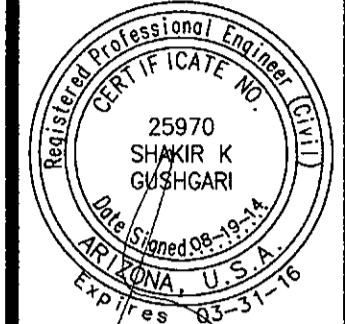
MATCHLINE

SEE SHEET 7





SKG ENTERPRISES, INC.
9260 E. RAIN TREE DRIVE
SUITE 140
SCOTTSDALE, AZ. 85260
PH) 480-998-5600
FAX) 480-998-5603
WWW.SKGZ.COM

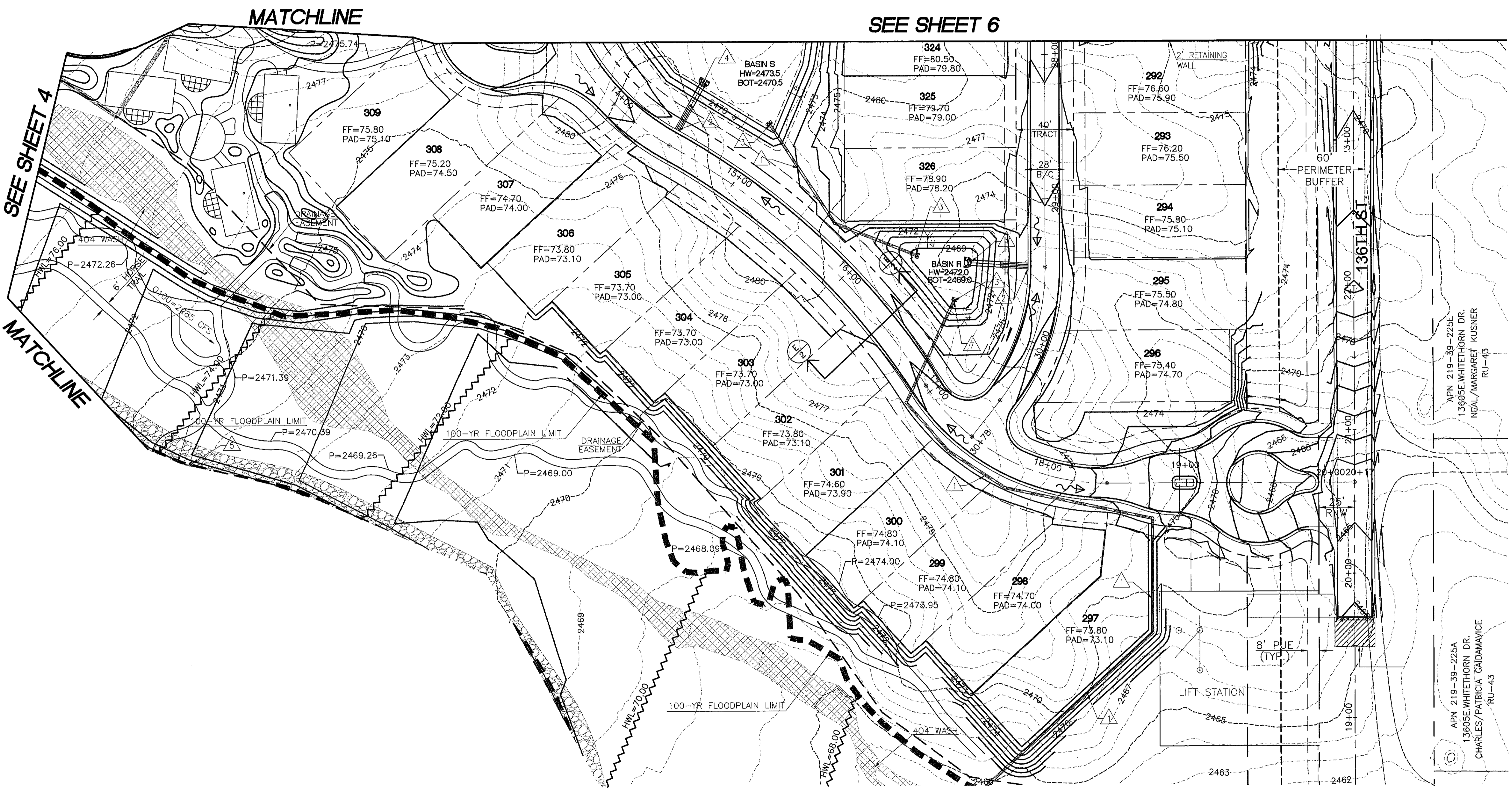
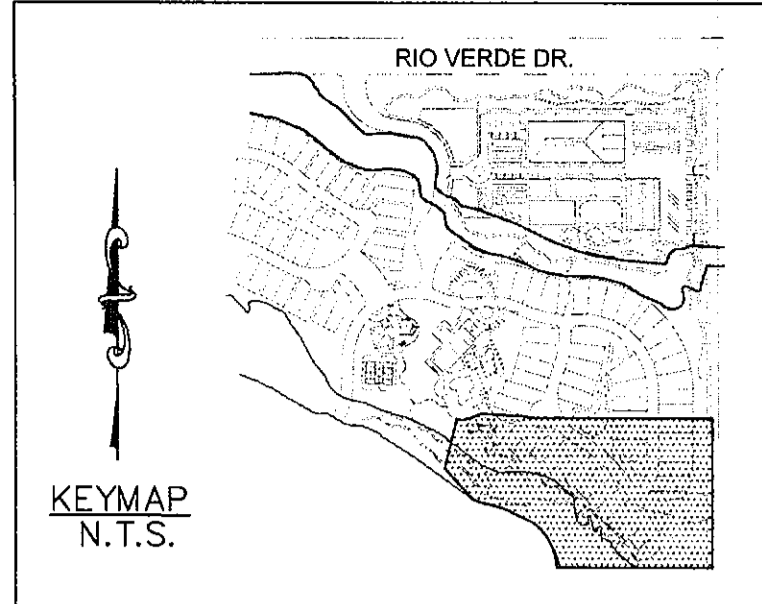


EQUESTRIAN CENTER & RESORT AT REATA RANCH
GRADING PLAN
CITY OF SCOTTSDALE, ARIZONA

job no. 30-11
design UP
approved SKG
date 8/2014

revisions

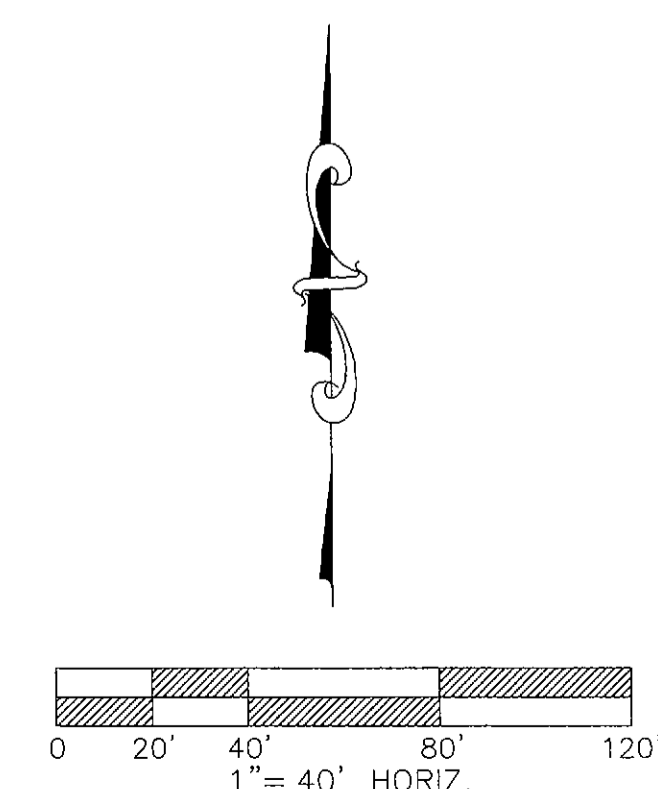
sheet



- GRADING NOTES --
-- STORM DRAIN NOTES --
- 1 18" HDPE BLEED-OFF PIPE W/RIP-RAP BANK PROTECTION MITRE PIPE TO MATCH BANK SLOPE
 - 2 CURB OPENING W/RIP-RAP, WIDTH PER PLAN
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 - 4 GRADE SWALE TO DRAIN. PLACE RIP-RAP ON BASIN BANK TO PROTECT SLOPE
 - 5 ALL HEADWALL OF THE BLEED OFF PIPE TO HAVE FLAP GATES AT THE DOWNSTREAM END, TO PREVENT RUNOFF FROM THE WASH ENTERING INTO THE RETENTION BASIN.
 - 6 8" ORIFICE PLATE
 - 7 12" ORIFICE PLATE

APN 219-39-225E
13605E WHITTHORN DR.
CHARLES/PATRICIA GAIDAMANCE
RU-43

APN 219-39-225E
13605E WHITTHORN DR.
NEAL/MARGARET KUSNER
RU-43



**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**



REVISIONS:

DRAWING NAME:
4123-ALTA

JOB NO. 4123

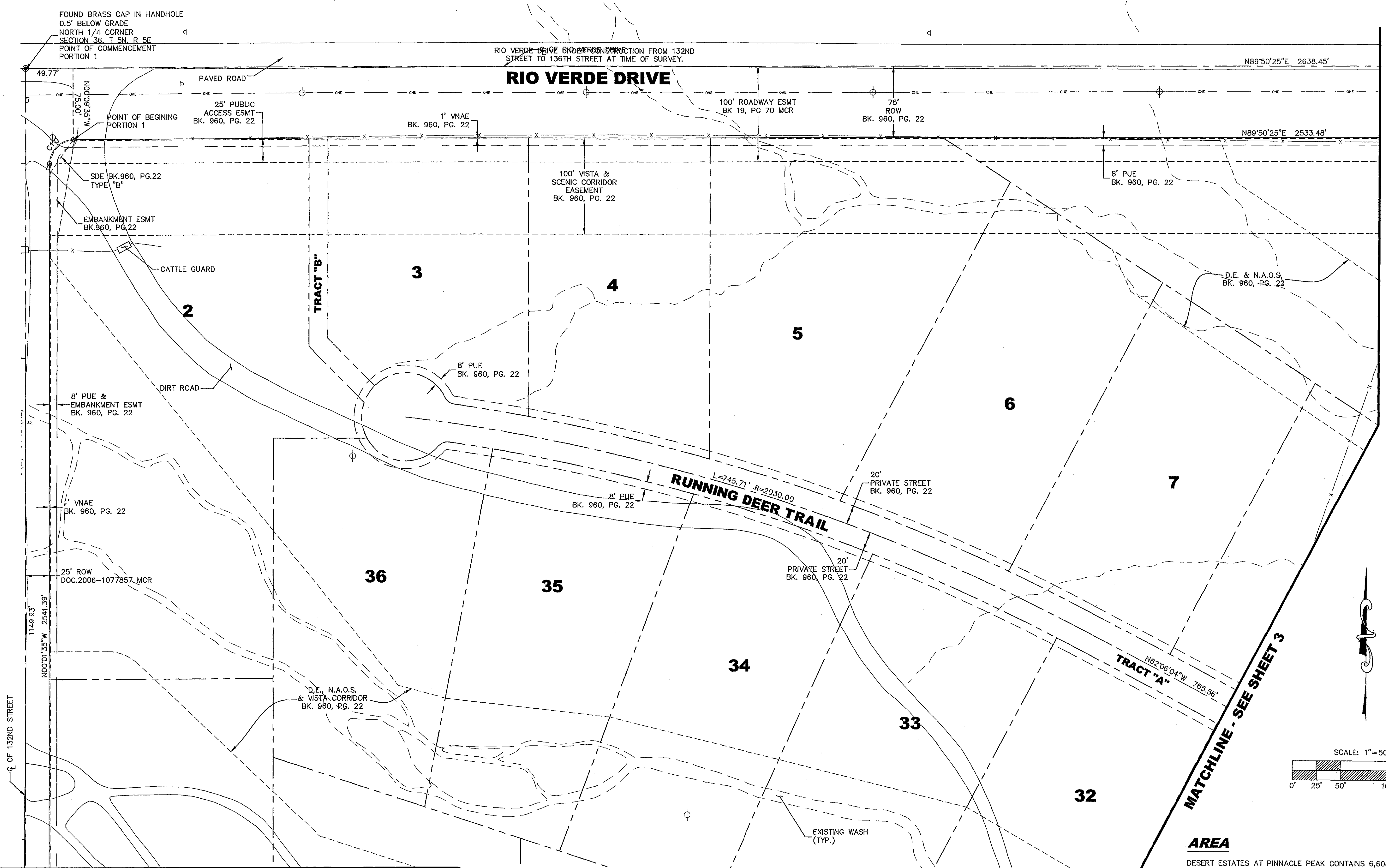
DRAWN: JAW/RMH

CHECKED: JAS

DATE: 05/06/13

SCALE: 1"=50'

SHEET: 2 OF 10



MATCHLINE SEE SHEET 4

AREA

DESERT ESTATES AT PINNACLE PEAK CONTAINS 6,608,442 SQ.FT. OR 151.709 ACRES

RIO VERDE ESTATES CONTAINS 1,995,579 SQ.FT. OR 45.812 ACRES

PARCEL 3 CONTAINS 435,551 SQ.FT. OR 9.999 ACRES

BASIS OF BEARING

THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 36, TOWNSHIP 6 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA; SAID LINE BEARS SOUTH 00 DEGREES 01 MINUTES 36 SECONDS WEST.

OWNER

C-A DESERT ESTATES INVESTORS, L.L.C.
5635 NORTH SCOTTSDALE ROAD, SUITE 130
SCOTTSDALE, ARIZONA 85250
(480) 946-5020

CURVE TABLE (C) (R4)

CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
C3	14°24'14"	200.00	50.28
C4	34°52'34"	225.00	136.96
C5	36°17'45"	225.00	142.53
C6	38°38'52"	600.00	404.72
C7	43°42'30"	300.00	228.86
C8	36°31'47"	200.00	127.51
C9	16°37'38"	800.00	232.16
C10	89°51'59"	25.00	39.21
C11	90°08'39"	25.00	39.32
C12	89°54'33"	25.00	39.23

ZONING

CITY OF SCOTTSDALE ZONE CODE R1-70
OBTAINED FROM MARICOPA COUNTY ASSESSOR'S WEB SITE.

*PER 2011 ALTA MINIMUM STANDARD DETAIL REQUIREMENTS: CURRENT ZONING CLASSIFICATION, BUILDING SETBACK REQUIREMENTS AND HEIGHT AND FLOOR SPACE AREA RESTRICTIONS ARE TO BE PROVIDED TO THE SURVEYOR BY THE INSURER. THE CLASSIFICATION, REQUIREMENTS AND RESTRICTIONS HAVE NOT BEEN PROVIDED AT THE TIME OF THIS SURVEY. THE ZONING CLASSIFICATION SHOWN IS REFERENCE ONLY.

FLOOD ZONE

ACCORDING TO THE FLOOD INSURANCE RATE MAP #04013C1260 F, DATED SEPTEMBER 30, 2005, THIS PROPERTY IS LOCATED IN FLOOD ZONE "D"; AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE.

7301 EAST EVANS ROAD
SCOTTSDALE, AZ 85260
PHONE (480) 922-0780
FAX (480) 922-0781

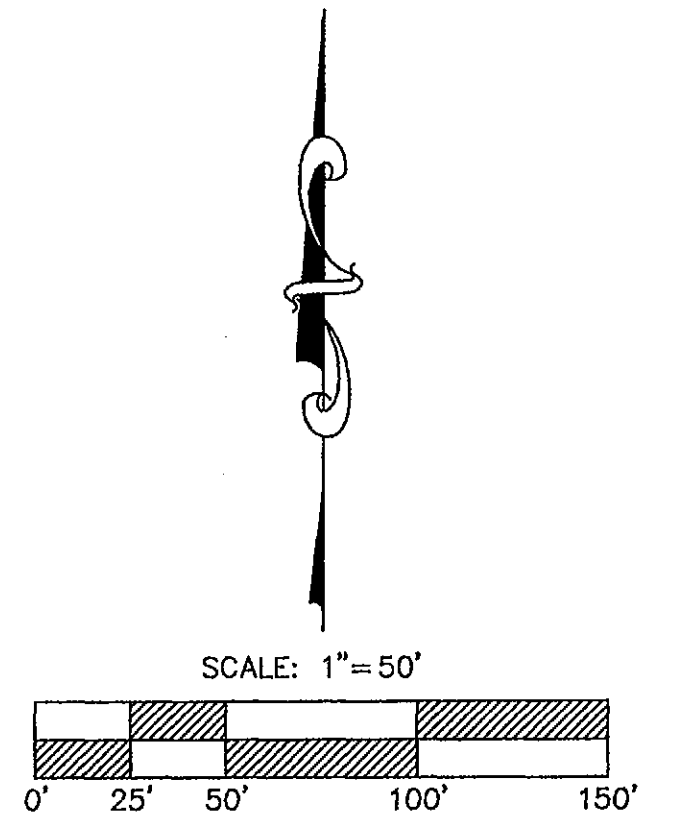
SIG
SURVEY INNOVATION
GROUP, INC
Land Surveying Services

**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**

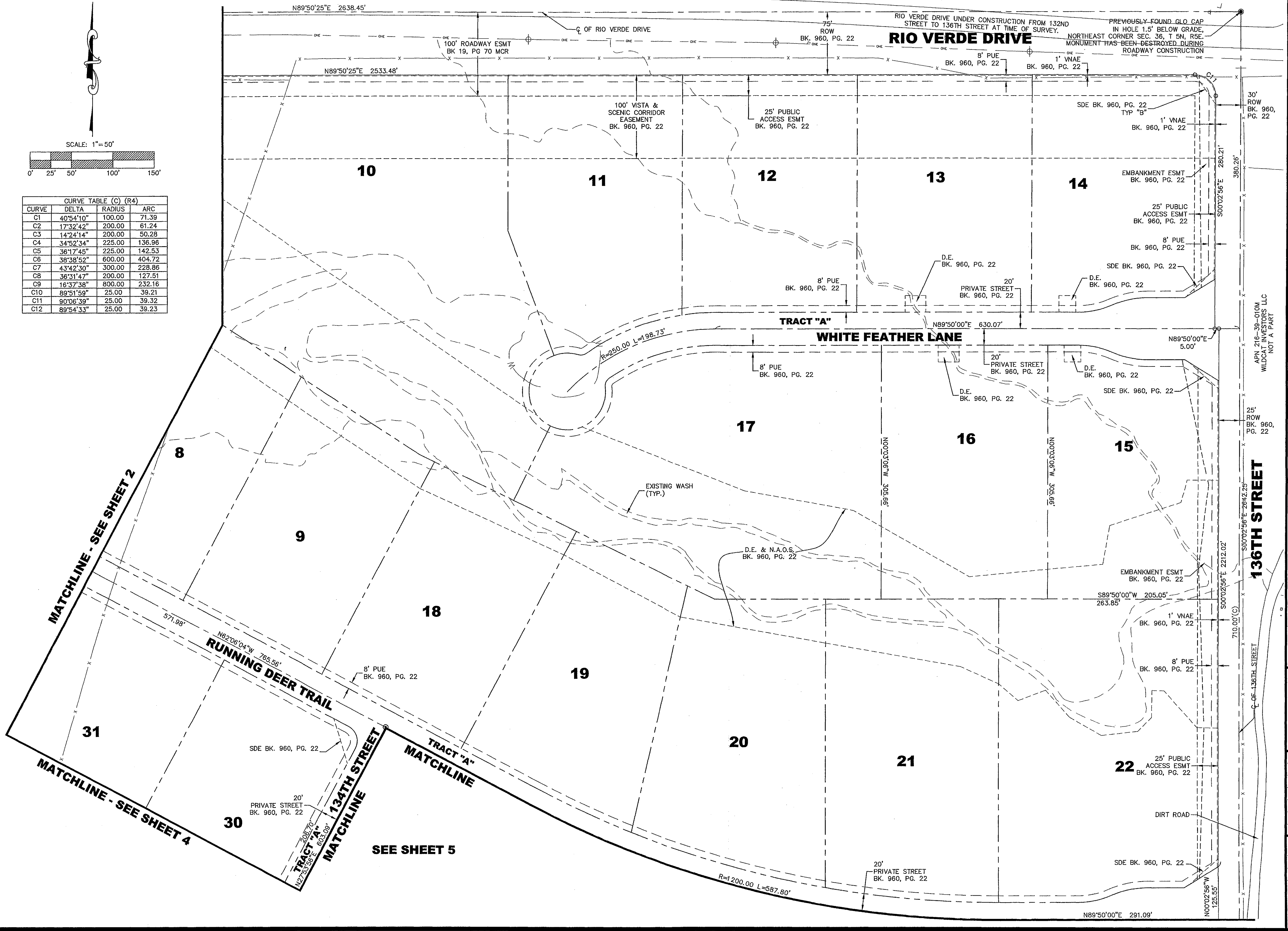


REVISIONS:

DRAWING NAME: 4123-ALTA
JOB NO. 4123
DRAWN: JAW/RMH
CHECKED: JAS
DATE: 05/06/13
SCALE: 1"=50'
SHEET: 3 OF 10



CURVE TABLE (C) (R4)			
CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
C3	14°24'14"	200.00	50.28
C4	34°52'34"	225.00	136.96
C5	36°17'45"	225.00	142.53
C6	38°38'52"	600.00	404.72
C7	43°42'30"	300.00	228.86
C8	36°31'47"	200.00	127.51
C9	16°37'38"	800.00	232.16
C10	89°51'59"	25.00	39.21
C11	90°06'39"	25.00	39.32
C12	89°54'33"	25.00	39.23



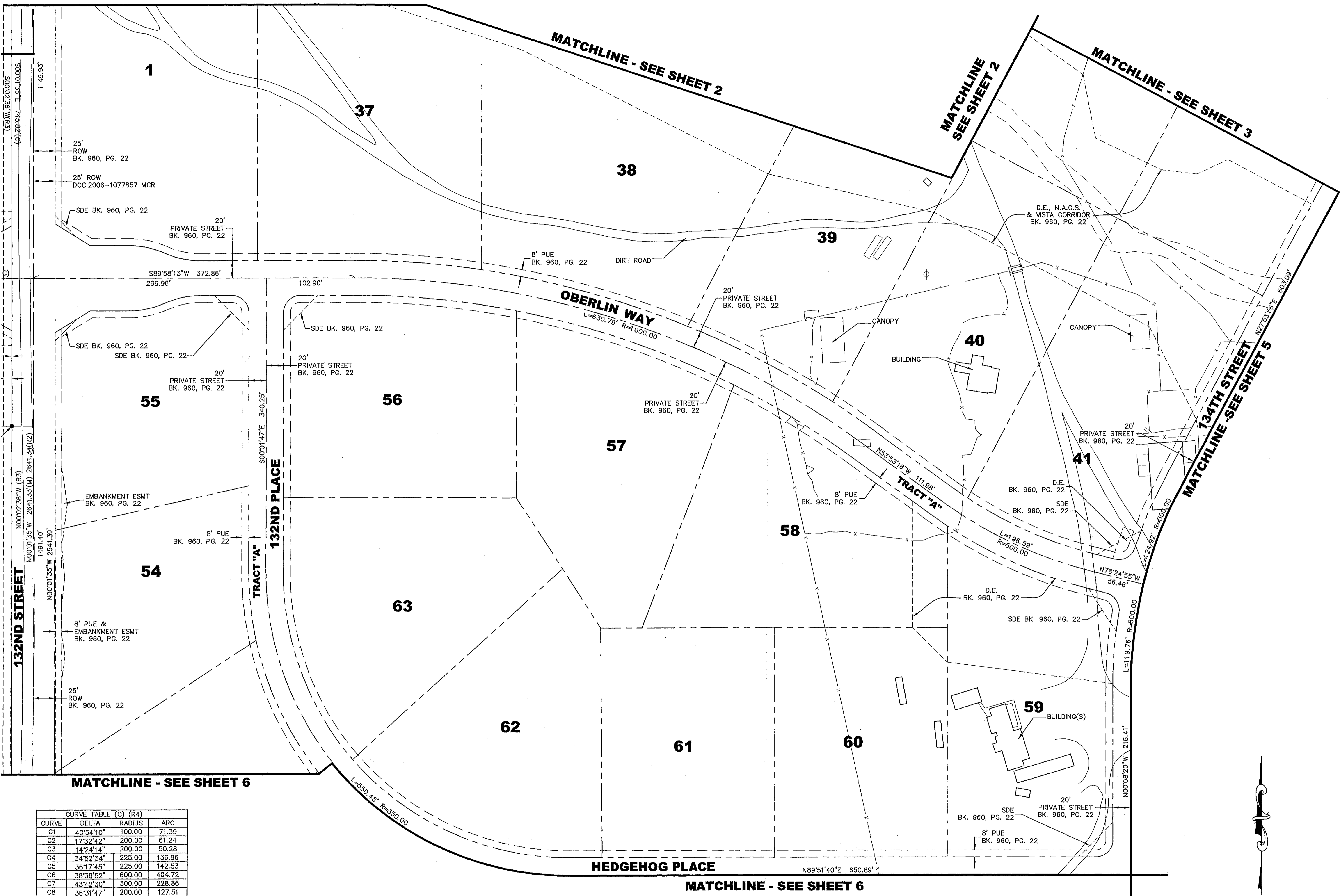
APN 216-39-010A
WILDCAT INVESTORS LLC
NOT A PART

**ALTA/CSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**



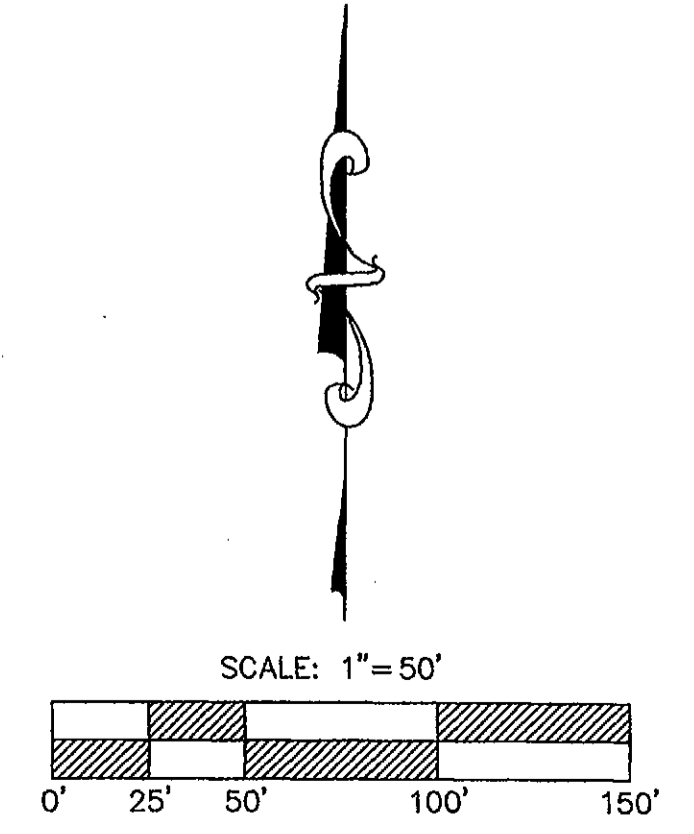
REVISIONS:

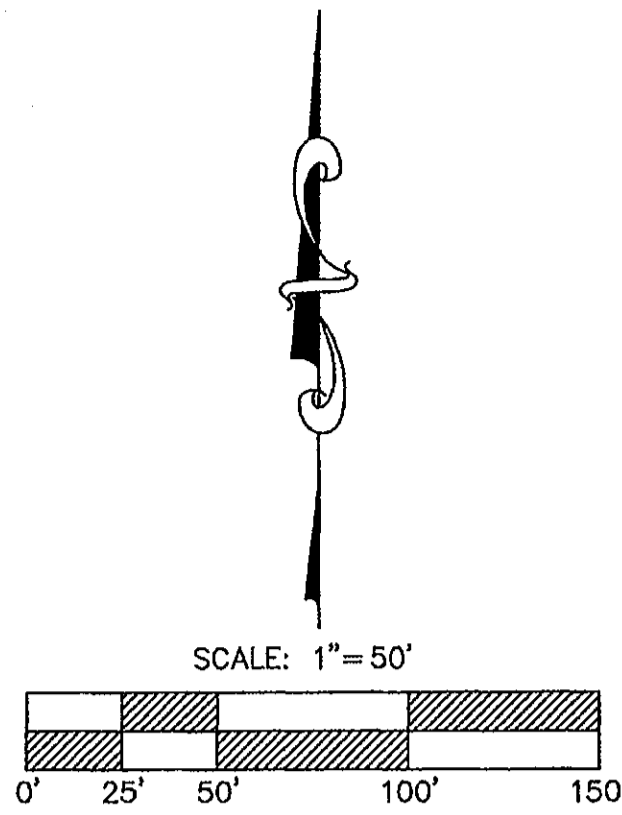
DRAWING NAME:
4123-ALTA
JOB NO. 4123
DRAWN: JAW/RMH
CHECKED: JAS
DATE: 05/06/13
SCALE: 1"=50'
SHEET: 4 OF 10



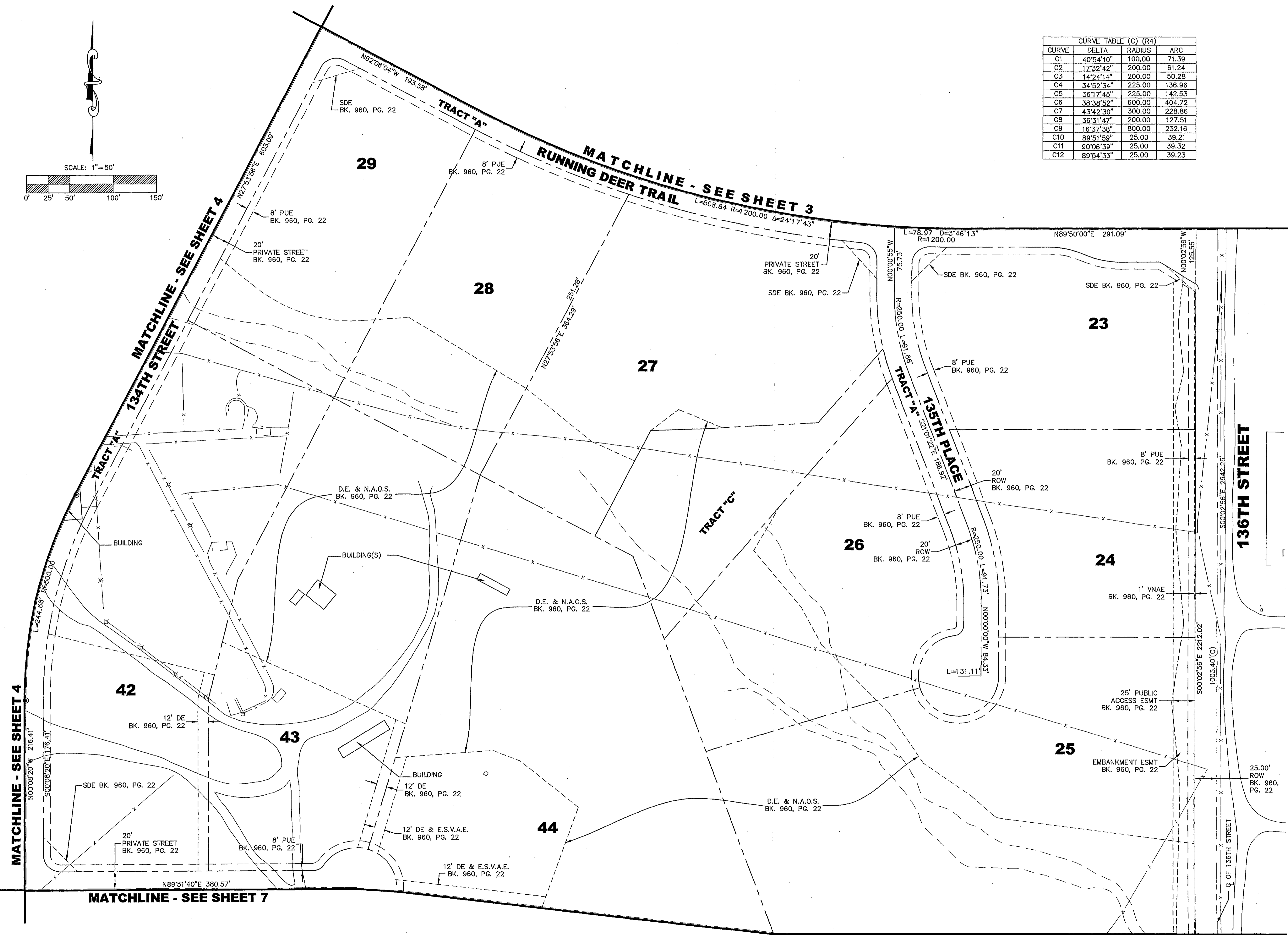
CURVE TABLE (C) (R4)

CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	81.24
C3	14°24'14"	200.00	50.28
C4	34°52'34"	225.00	136.96
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C11	90°06'39"	25.00	39.32
C12	89°54'33"	25.00	39.23





CURVE TABLE (C) (R4)			
CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
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C9	16°37'38"	800.00	232.16
C10	89°51'59"	25.00	39.21
C11	90°06'39"	25.00	39.32
C12	89°54'33"	25.00	39.23



SIG
 SURVEY INNOVATION
 GROUP, INC
 Land Surveying Services
 7301 EAST EVANS ROAD
 SCOTTSDALE, AZ 85260
 PHONE (480) 922-0780
 FAX (480) 922-0781

ALTA/CSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA

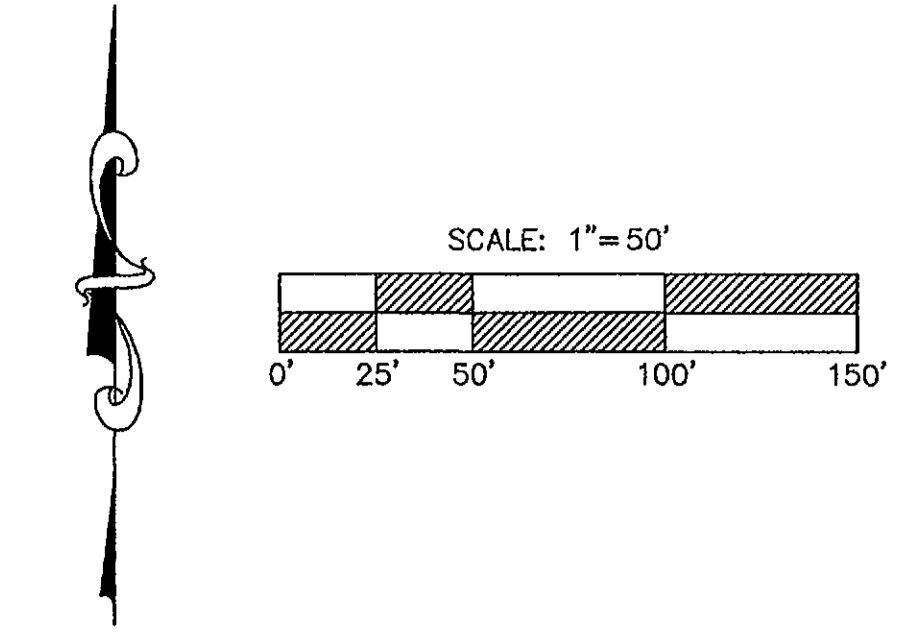


REVISIONS:

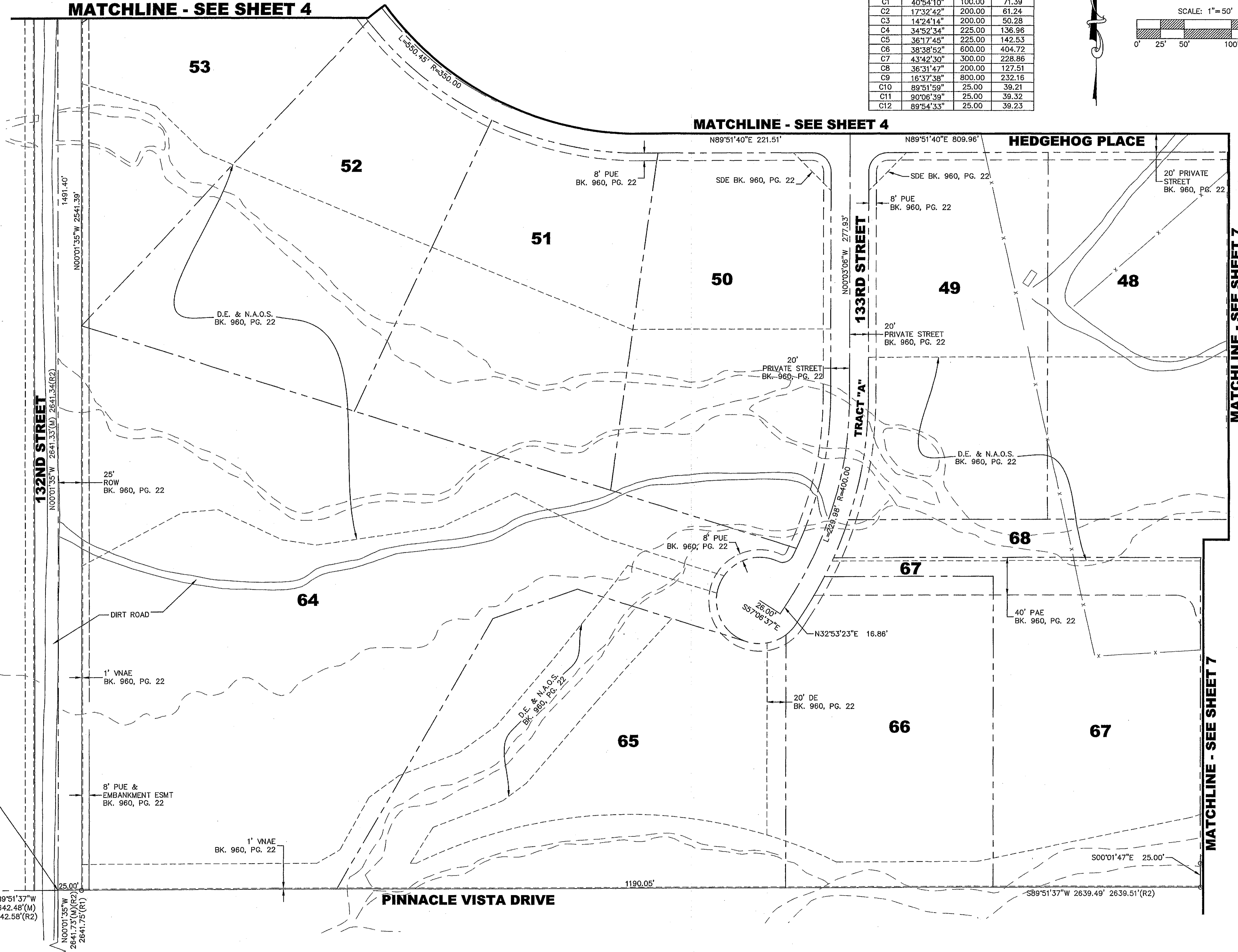
DRAWING NAME:
 4123-ALTA
 JOB NO. 4123
 DRAWN: JAW/RMH
 CHECKED: JAS
 DATE: 05/06/13
 SCALE: 1"=50'
 SHEET: 5 OF 10

MATCHLINE - SEE SHEET 4

CURVE TABLE (C) (R4)			
CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
C3	14°24'14"	200.00	50.28
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C6	38°38'52"	600.00	404.72
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C8	36°31'47"	200.00	127.51
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C11	90°06'39"	25.00	39.32
C12	89°54'33"	25.00	39.23



MATCHLINE - SEE SHEET 4



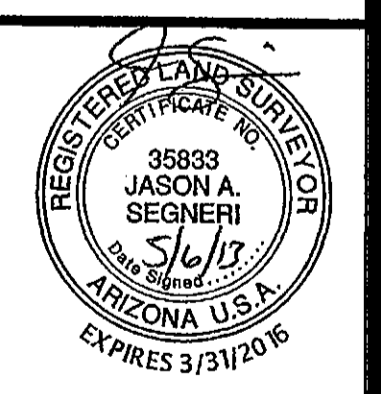
MATCHLINE - SEE SHEET 7

MATCHLINE - SEE SHEET 7

7301 EAST EVANS ROAD
 SCOTTSDALE, AZ 85260
 PHONE (480) 922-0780
 FAX (480) 922-0781

SIG
 SURVEY INNOVATION
 GROUP, INC
 Land Surveying Services

**ALTA/ACSM LAND TITLE SURVEY
 REATA RANCH
 SCOTTSDALE, ARIZONA**



REVISIONS:

DRAWING NAME:
4123-ALTA
 JOB NO. 4123
 DRAWN: JAW/RMH
 CHECKED: JAS
 DATE: 05/06/13
 SCALE: 1"=50'
 SHEET: 6 OF 10

NOTHING FOUND
 CENTER OF
 SECTION 36
 T 5N, R 5E

FOUND GLO CAP
 0.5' ABOVE GRADE
 WEST 1/4 CORNER
 SECT 36, T 5N, R 5E

S89°51'37"W
 2642.48'(M)
 2642.58'(R2)

N00°01'35"W
 2641.33'(M)
 2641.34'(R2)

N00°01'35"W
 2641.75'(R1)

FOUND BRASS CAP
 LS TAG 33307
 S 1/4 CORNER
 SECTION 36, T 5N, R 5E

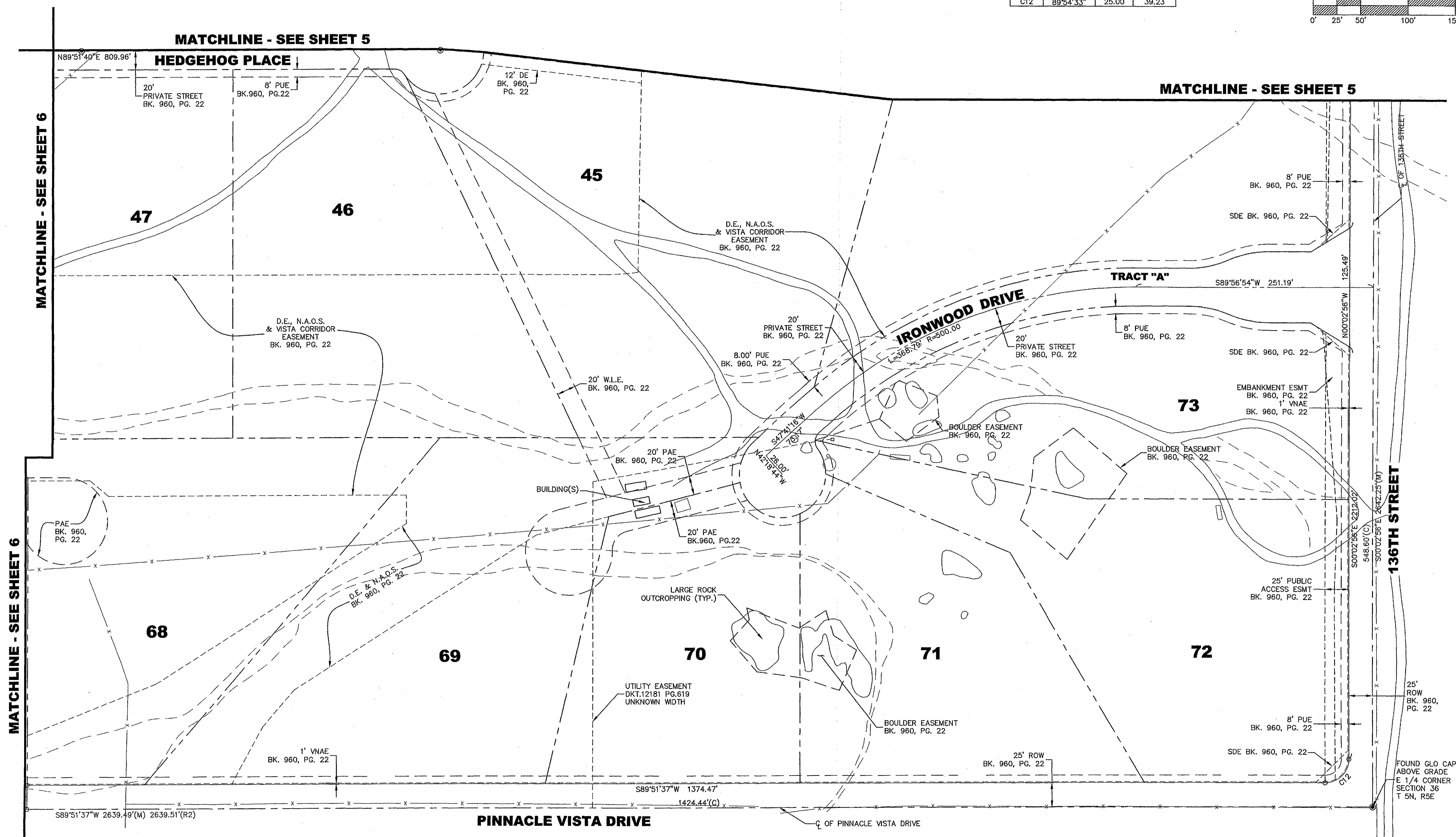
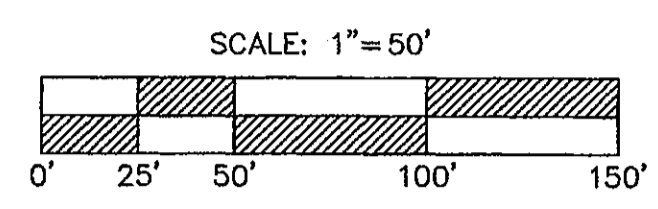
**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**



REVISIONS:

DRAWING NAME: 4123-ALTA
JOB NO. 4123
DRAWN: JAW/RMH
CHECKED: JAS
DATE: 05/06/13
SCALE: 1"=50'
SHEET: 7 OF 10

CURVE TABLE (C) (R4)			
CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
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C12	89°54'53"	25.00	39.23



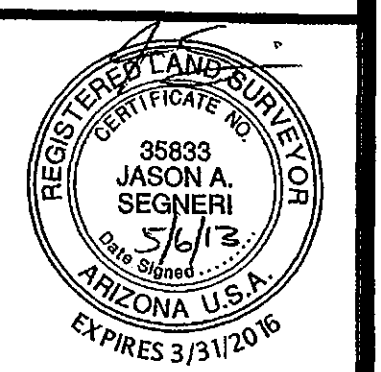
MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 5

PINNACLE VISTA DRIVE

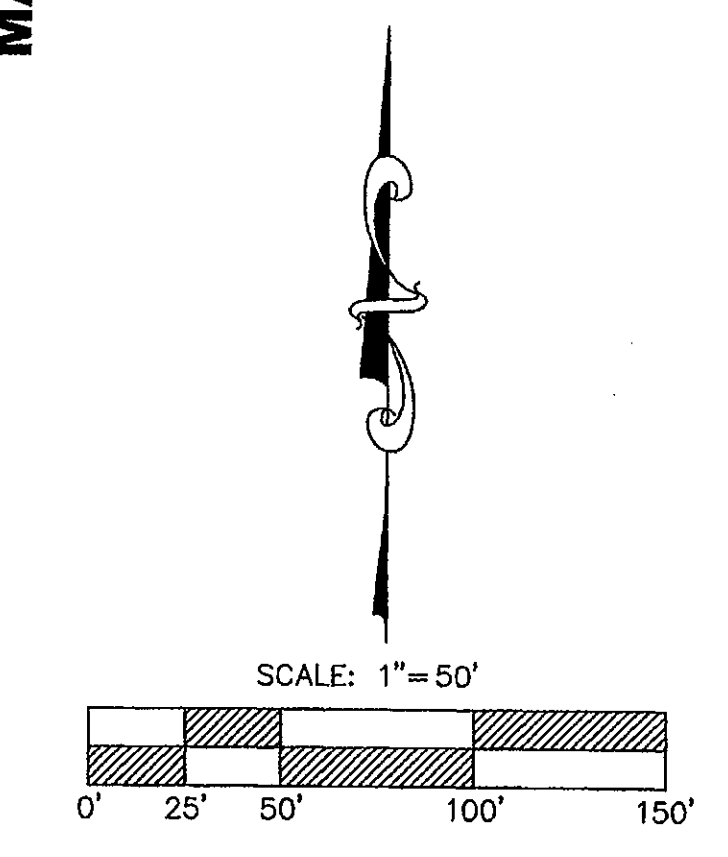
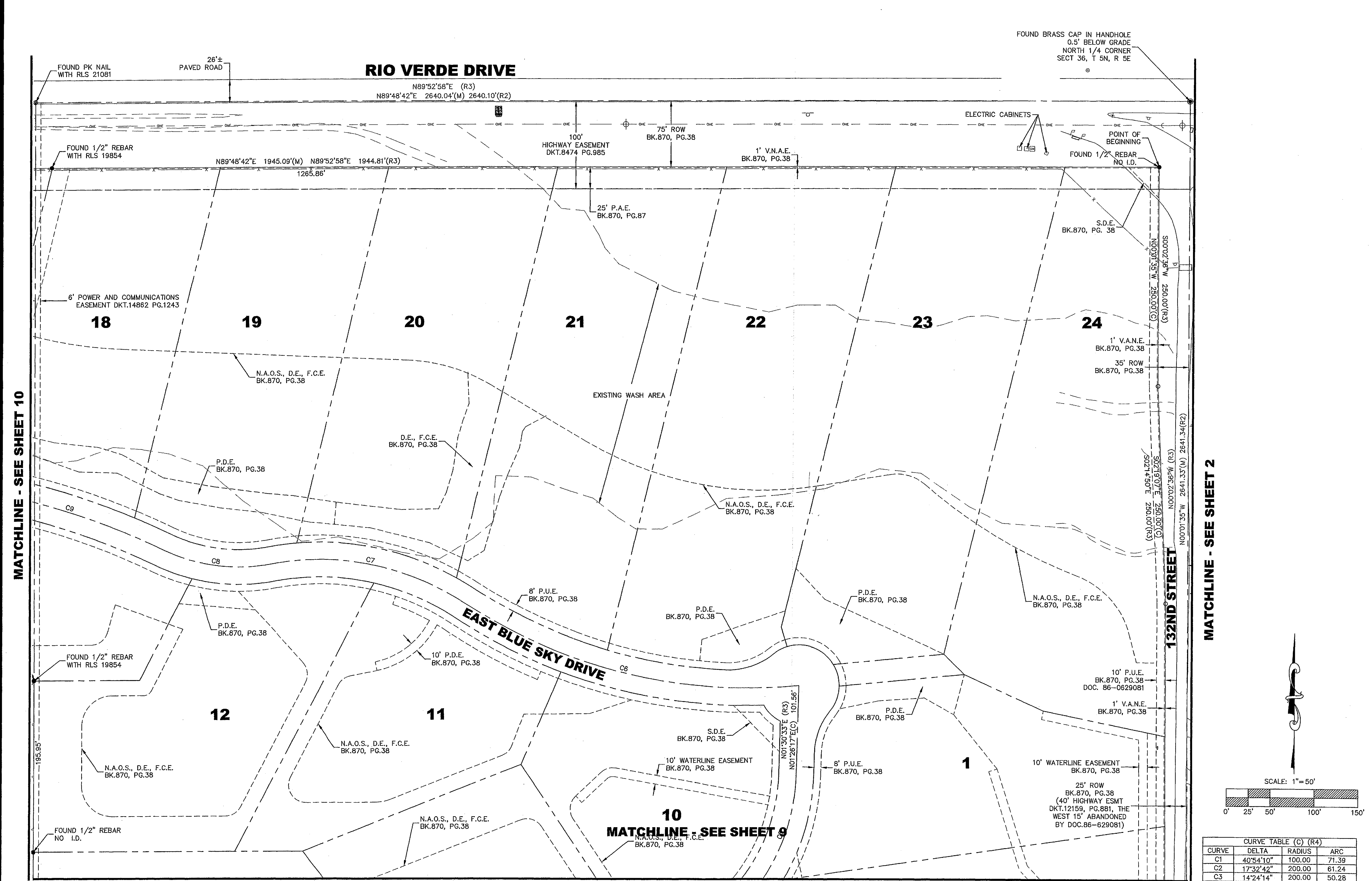
FOUND GLO CAP 1'
ABOVE GRADE
E 1/4 CORNER
SECTION 36
T 5N, R5E

**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**



REVISIONS:

DRAWING NAME:
4123-ALTA
JOB NO. 4123
DRAWN: JAW/RMH
CHECKED: JAS
DATE: 05/06/13
SCALE: 1"=50'
SHEET: 8 OF 10



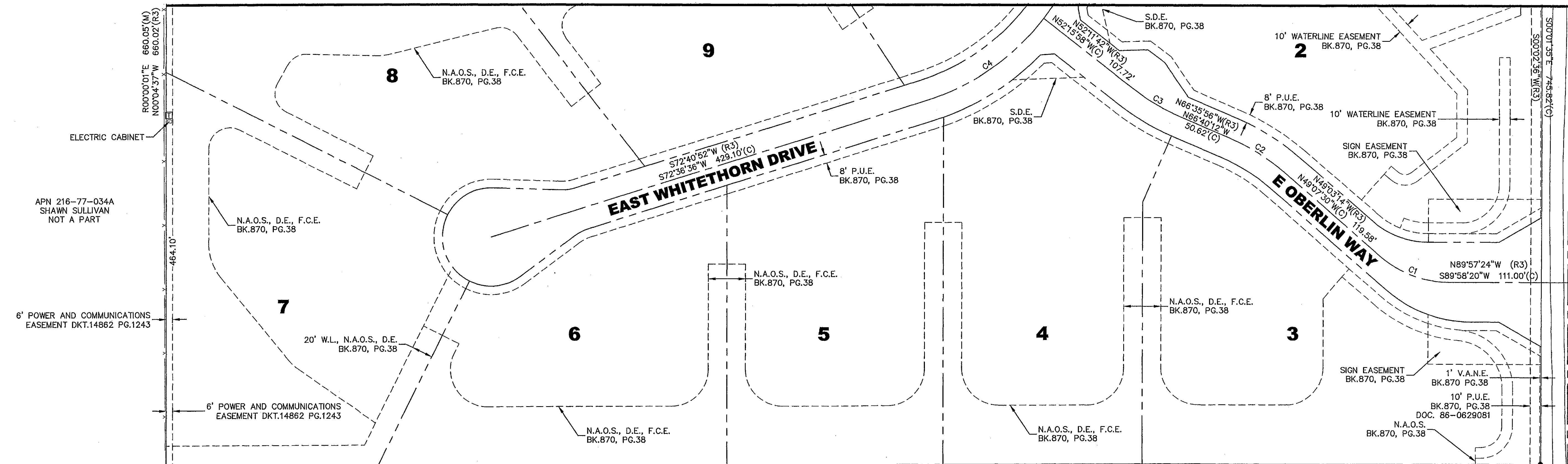
CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
C3	14°24'14"	200.00	50.28
C4	34°52'34"	225.00	136.96
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MATCHLINE - SEE SHEET 10

MATCHLINE - SEE SHEET 2

MATCHLINE - SEE SHEET 9

MATCHLINE - SEE SHEET 8



MATCHLINE - SEE SHEET 6

**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**

SIG
SURVEY INNOVATION
GROUP, INC
Land Surveying Services

7301 EAST EVANS ROAD
SCOTTSDALE, AZ 85260
PHONE (480) 922-0780
FAX (480) 922-0781



CURVE TABLE (C) (R4)

CURVE	DELTA	RADIUS	ARC
C1	40°54'10"	100.00	71.39
C2	17°32'42"	200.00	61.24
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C4	34°52'34"	225.00	136.96
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C8	36°31'47"	200.00	127.51
C9	16°37'38"	800.00	232.16
C10	89°51'59"	25.00	39.21
C11	90°06'39"	25.00	39.32
C12	89°54'33"	25.00	39.23

APN 216-77-025D
EILEEN MACEJKA, J.GRANGNANO,
S.VANMOERKEREN
NOT A PART

APN 216-77-024B
GEORGE AND KAREN BUNNING
NOT A PART

APN 216-77-024C
ROBERT BRAUN
NOT A PART

APN 216-77-034A
SHAWN SULLIVAN
NOT A PART

6' POWER AND COMMUNICATIONS
EASEMENT DKT.14862 PG.1243

6' POWER AND COMMUNICATIONS
EASEMENT DKT.14862 PG.1243

20' W.L., N.A.O.S., D.E.
BK.870, PG.38

FOUND 1/2" REBAR
WITH RLS 26404

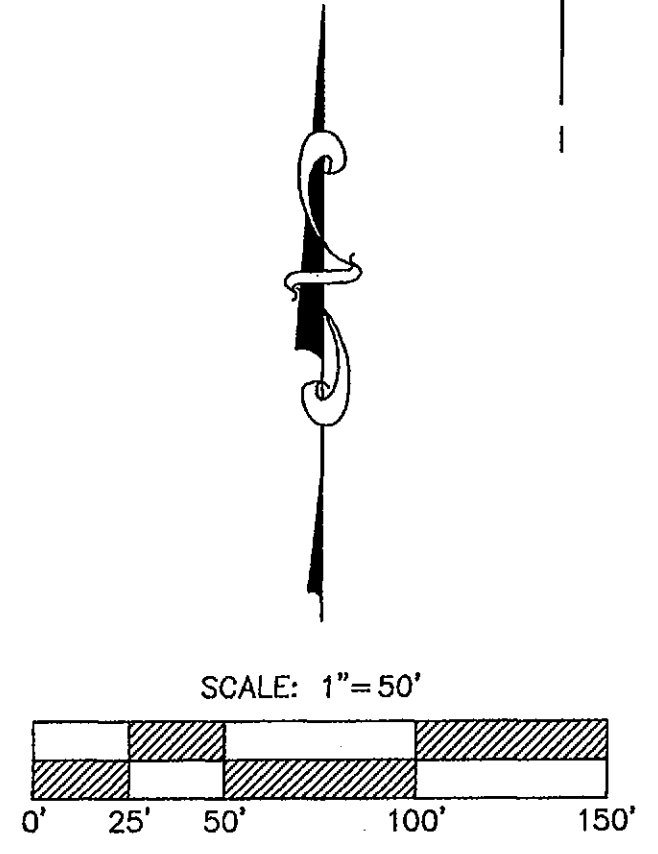
S89°50'10"W 1295.63'(M)
S89°54'02"W 1295.61'(R3)

FOUND 1/2" REBAR
NO I.D.

132ND STREET

N00°02'36"W (R3)
N00°01'35"W 2641.33'(M) 2641.34'(R2)

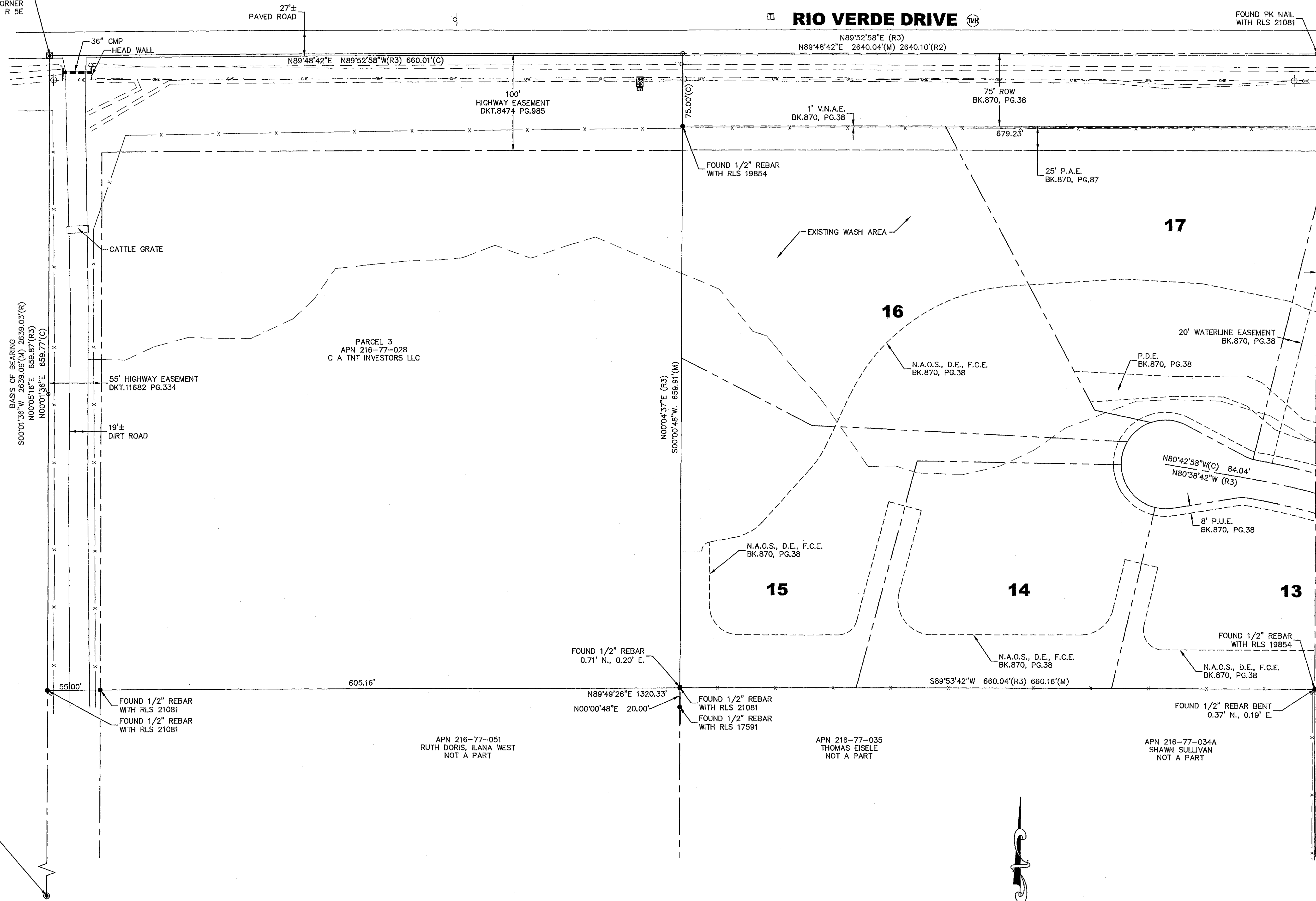
S00°10'35"E 745.82'(C)
(C2) N49°36'36"W 200.00'(C)



REVISIONS:
 △
 △
 △

DRAWING NAME:
4123-ALTA
 JOB NO. 4123
 DRAWN: JAW/RMH
 CHECKED: JAS
 DATE: 05/06/13
 SCALE: 1"=50'
 SHEET: 9 OF 10

FOUND BRASS CAP IN HANDHOLE
0.2' BELOW GRADE
NORTHWEST CORNER
SECT 36, T 5N, R 5E



FOUND GLO CAP
0.5' ABOVE GRADE
WEST 1/4 CORNER
SECT 36, T 5N, R 5E

BASIS OF BEARING
S00°01'36"W 2639.09'(M) 2639.03'(R)
N00°05'16"E 659.87'(R3)
N00°01'36"E 659.77'(C)

55' HIGHWAY EASEMENT
DKT.11682 PG.334

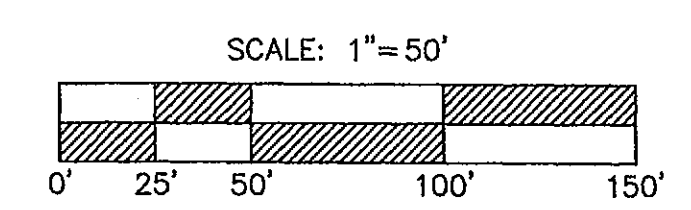
19'±
DIRT ROAD

PARCEL 3
APN 216-77-028
C A TNT INVESTORS LLC

APN 216-77-051
RUTH DORIS, ILANA WEST
NOT A PART

APN 216-77-035
THOMAS EISELE
NOT A PART

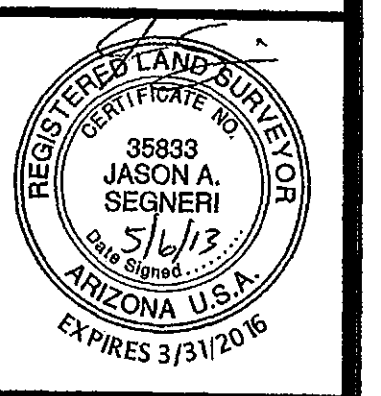
APN 216-77-034A
SHAWN SULLIVAN
NOT A PART



MATCHLINE - SEE SHEET 8

MATCHLINE - SEE SHEET 9

**ALTA/ACSM LAND TITLE SURVEY
REATA RANCH
SCOTTSDALE, ARIZONA**



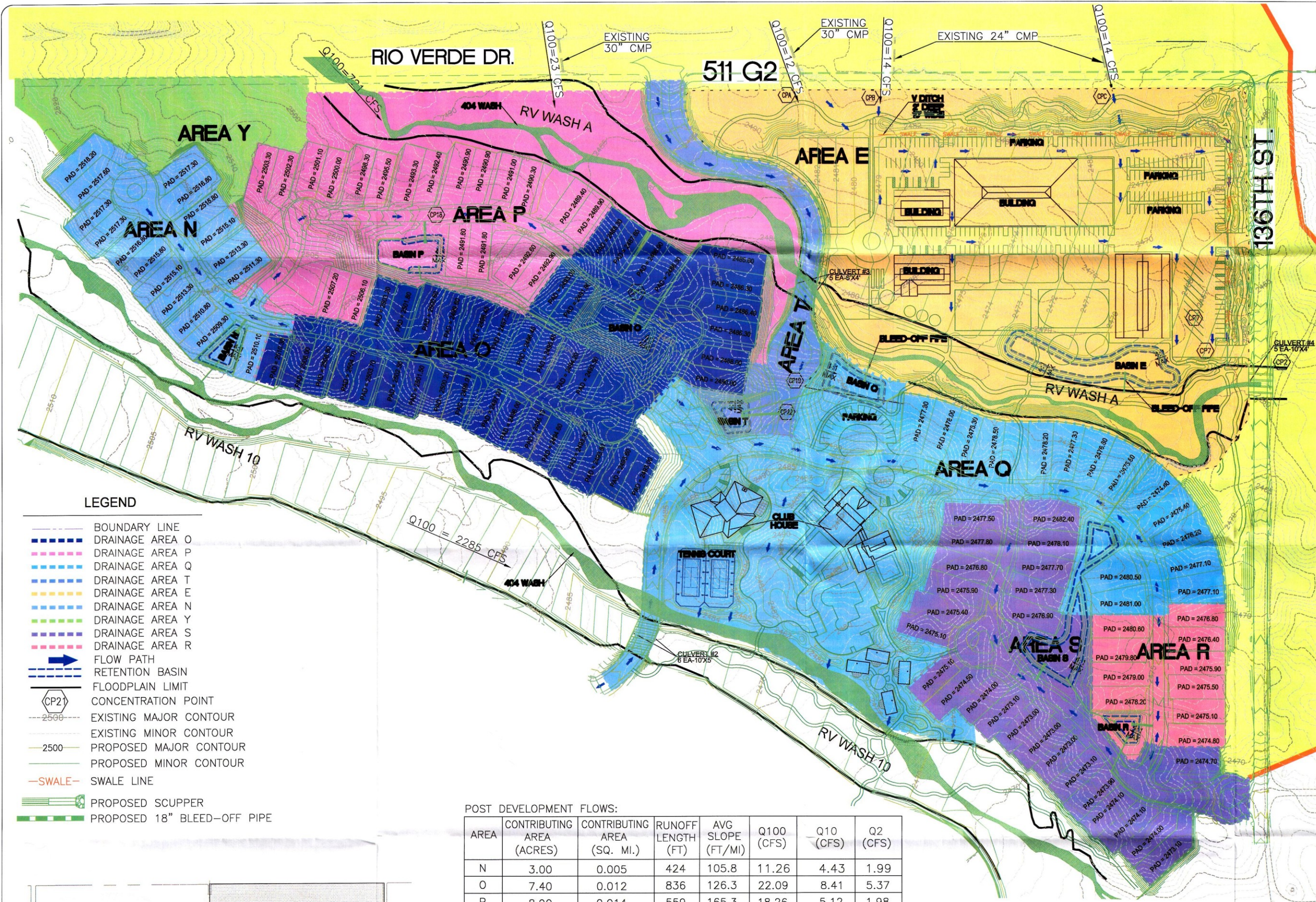
REVISIONS:

DRAWING NAME:	4123-ALTA
JOB NO.	4123
DRAWN:	JAW/RMH
CHECKED:	JAS
DATE:	05/06/13
SCALE:	1"=50'
SHEET:	10 OF 10



**SURVEY INNOVATION
GROUP, INC**
Land Surveying Services

7301 EAST EVANS ROAD
SCOTTSDALE, AZ 85260
PHONE (480) 922-0780
FAX (480) 922-0781



CP11G2

 $Q_{100} = 667$ cfs

LEGEND

- BOUNDARY LINE
- DRAINAGE AREA O
- DRAINAGE AREA P
- DRAINAGE AREA Q
- DRAINAGE AREA T
- DRAINAGE AREA E
- DRAINAGE AREA N
- DRAINAGE AREA Y
- DRAINAGE AREA S
- DRAINAGE AREA R
- FLOW PATH
- RETENTION BASIN
- FLOODPLAIN LIMIT
- CONCENTRATION POINT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SWALE LINE
- PROPOSED SCUPPER
- PROPOSED 18" BLEED-OFF PIPE

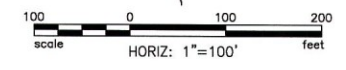
POST DEVELOPMENT FLOWS:

AREA	CONTRIBUTING AREA (ACRES)	CONTRIBUTING AREA (SQ. MI.)	RUNOFF LENGTH (FT)	AVG SLOPE (FT/MI)	Q100 (CFS)	Q10 (CFS)	Q2 (CFS)
N	3.00	0.005	424	105.8	11.26	4.43	1.99
O	7.40	0.012	836	126.3	22.09	8.41	5.37
P	8.90	0.014	559	165.3	18.26	5.12	1.98
Q	10.60	0.017	882	83.8	26.96	9.12	4.82
R	1.80	0.003	307	51.6	6.93	2.34	1.58
S	5.40	0.008	410	45.1	5.81	5.22	2.19
T	1.60	0.003	410	154.5	1.97	2.15	1.39
E*	15.40	0.024	1273	149.3	31.25	9.98	5.27
511G2	67.75	0.106	5063	77.09	667	331	135
Y	2.24	0.004	580	264.0	12.3	5.8	3.3

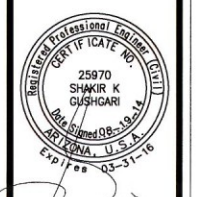
C(2YR)=0.85 C(10YR)=0.85 C(100YR)=0.95
 FOR AREA Y C(2YR)=0.55 C(10YR)=0.55 C(100YR)=0.69

PRE VERSUS POST FLOW COMPARISON

CONCENTRATION POINT	Q100		Q10		Q2	
	PRE (Q)cfs	POST (Q)cfs	PRE (Q)cfs	POST (Q)cfs	PRE (Q)cfs	POST (Q)cfs
CP11G2	721	667	346	331	137	135



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 OUTSIDE MARICOPA COUNTY

EQUESTRIAN CENTER AT REATA RANCH
POST DEVELOPMENT DRAINAGE MAP
 CITY OF SCOTTSDALE, ARIZONA

job no. 30-11
 design UP
 approved SKG
 date 08/2014

revisions

EXHIBIT