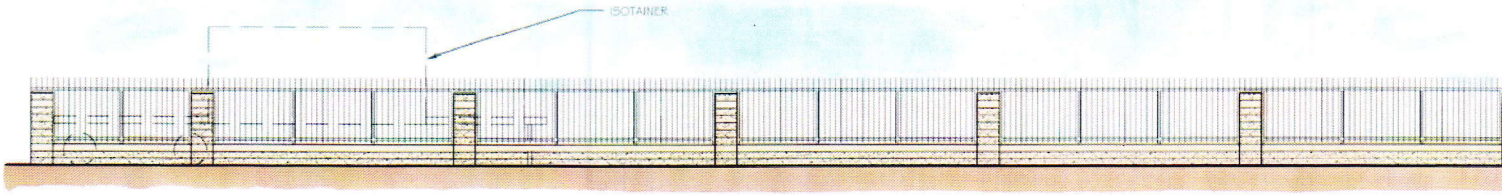
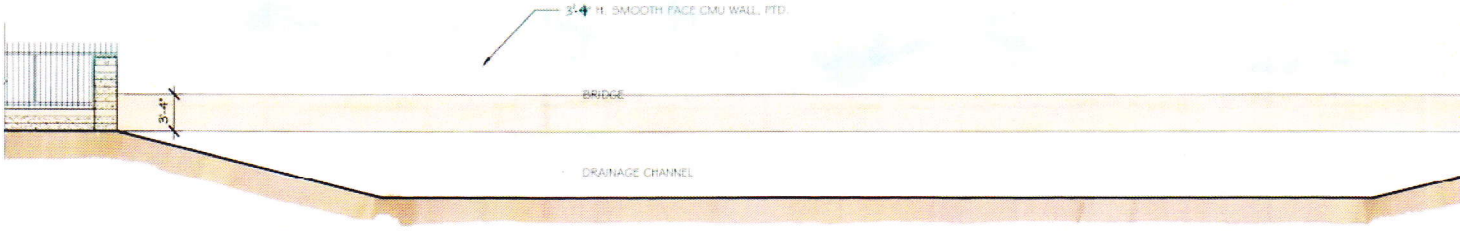


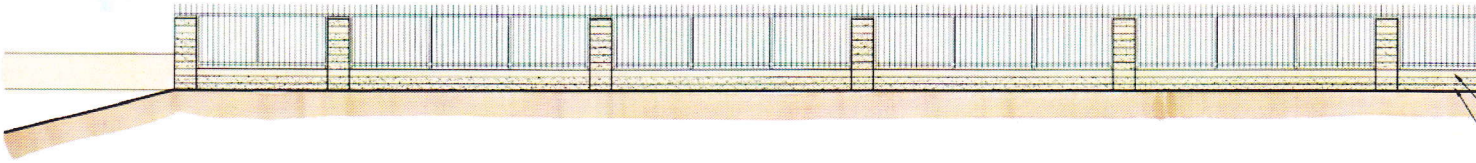
1 EAST FENCE ELEVATION

SCALE: 1/16"=1'-0" FENCE ELEVATIONS



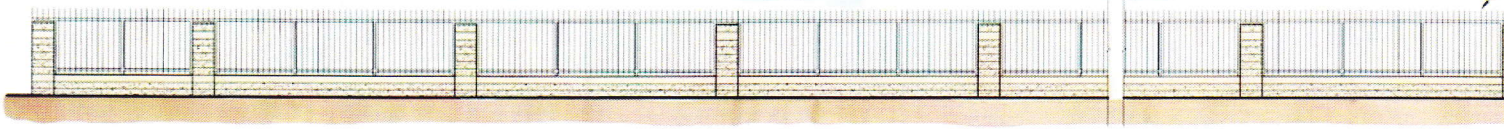
2 EAST FENCE ELEVATION

SCALE: 1/16"=1'-0" FENCE ELEVATIONS



3 EAST FENCE ELEVATION

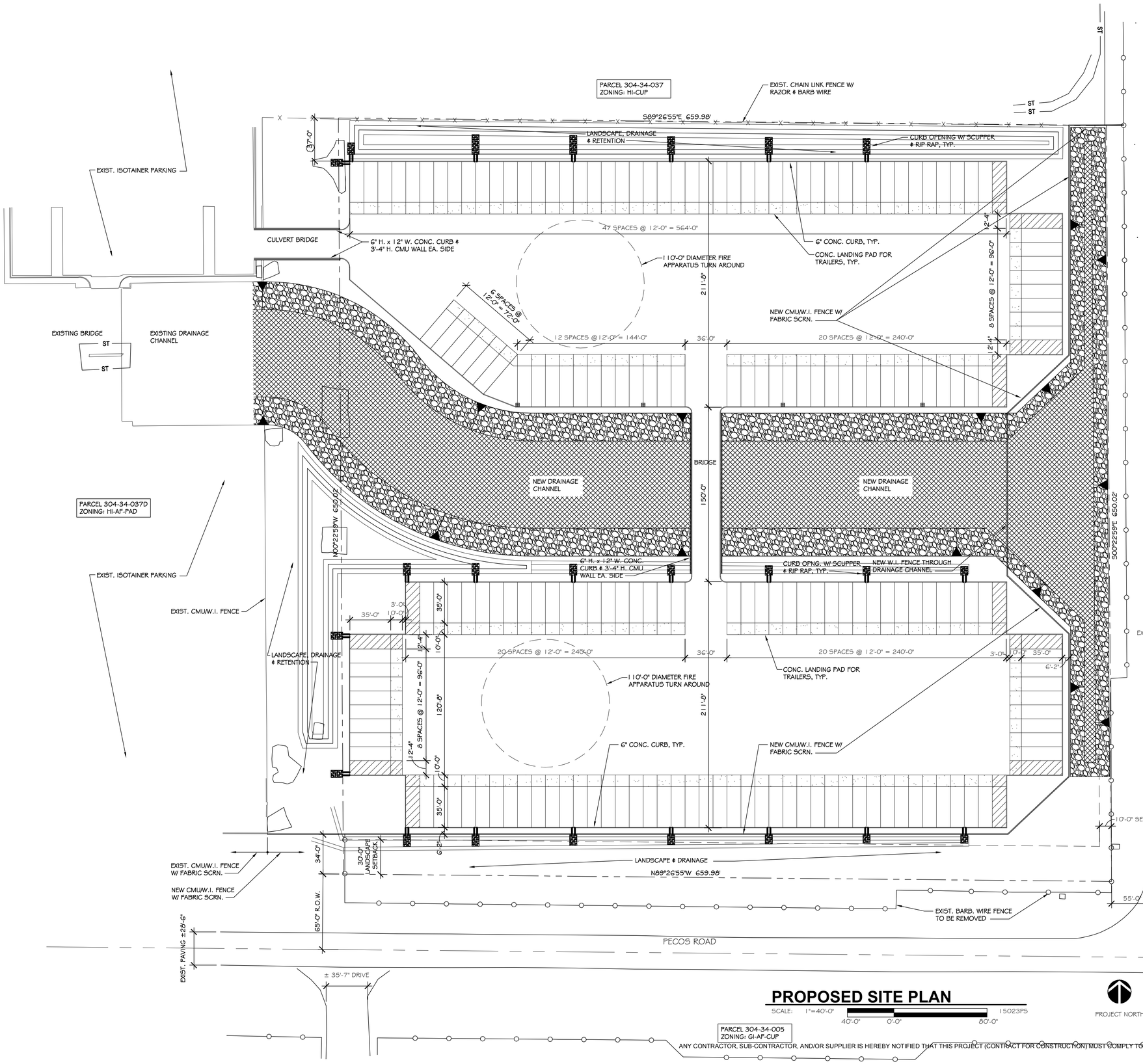
SCALE: 1/16"=1'-0" FENCE ELEVATIONS



4 SOUTH FENCE ELEVATION

SCALE: 1/16"=1'-0" FENCE ELEVATIONS

ANY CONTRACTOR, SUB-CONTRACTOR, AND/OR SI



PROPOSED SITE PLAN

SCALE: 1"=40'-0" 40'-0" 0'-0" 80'-0"

15023P5

PROJECT NORTH

PROJECT DATA

APN: 304-34-037A

GROSS SITE AREA: 511,169 S.F. (11.73 AC)
NET SITE AREA: 428,944 S.F. (9.84 AC)

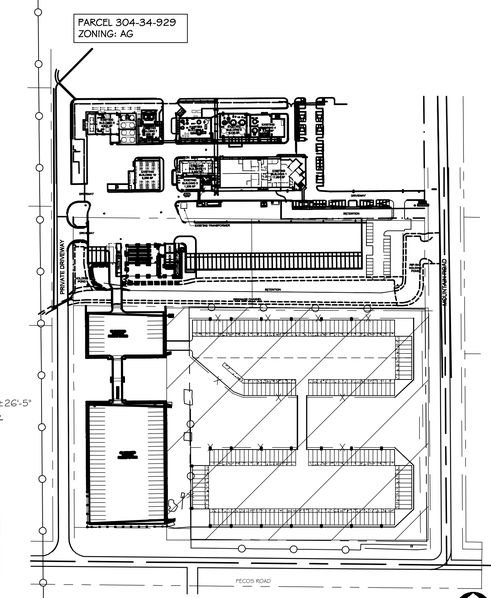
ISOTAINER PARKING PROVIDED: 186 SPACES

EXISTING ZONING: AG
PROPOSED ZONING: HI-AF-PAD

NARRATIVE

THE SCOPE OF THIS PROJECT IS TO PROVIDE PARKING FOR AN ADDITIONAL 186 ISOTAINERS. THE EXISTING ZONING ON THIS LOT IS AG AND WILL BE REZONED TO HI-AF-PAD. THE ACCESS TO THIS PARKING WILL BE FROM WITHIN THE EXISTING FACILITY. THERE WILL BE NO ACCESS DIRECTLY TO PUBLIC STREETS. THE PARKING WILL BE SCREENED FROM PECOS AND MOUNTAIN ROADS BY A CMU & WROUGHT IRON FENCE. THE WROUGHT IRON WILL BE TO A HEIGHT OF 8'-0" ABOVE THE PAVING, AND A FABRIC SCREEN WILL BE ATTACHED TO THE WROUGHT IRON TO A HEIGHT OF 7'-1" ABOVE THE PAVING.

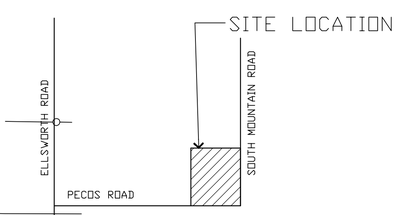
A NEW DRAINAGE CHANNEL WILL BE DESIGNED TO CARRY THE STORM WATER ACROSS THE SITE AND TIE INTO AN EXISTING DRAINAGE CHANNEL TO THE WEST. THERE WILL BE A NEW BRIDFE TO SPAN ACROSS THE NEW DRAINAGE CHANNEL, AND A CULVERT BRIDGE TO SPAN ACROSS A RETENTION AREA.



LOCATION PLAN

SCALE: NOT TO SCALE

PROJECT NORTH



VICINITY MAP

SCALE: NOT TO SCALE

PROJECT NORTH

ANY CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER IS HEREBY NOTIFIED THAT THIS PROJECT (CONTRACT FOR CONSTRUCTION) MUST COMPLY TO THE ARIZONA SENATE BILL SB1549, PROMPT PAYMENT LEGISLATION, AS IT MODIFIES THE ARIZONA REVISED STATUTES.

REGISTERED ARCHITECT
CERTIFICATE NO. 20122
MICHAEL ALAN HALL
4-23-15
Date Signed
ARIZONA, U.S.A.

EXPIRES 3/31/17

MICHAEL A. HALL ARCHITECT, LLC
600 NORTH 4TH STREET, SUITE 404
PHOENIX, ARIZONA 85004
PHONE: 602-258-6048 FAX: 602-254-1802

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DRAWN BY:	CHECKED BY:	PROJECT NUMBER:
MH	MH	15023

MPC ISOTAINER PARKING

6560 S. MOUNTAIN ROAD
MESA, ARIZONA

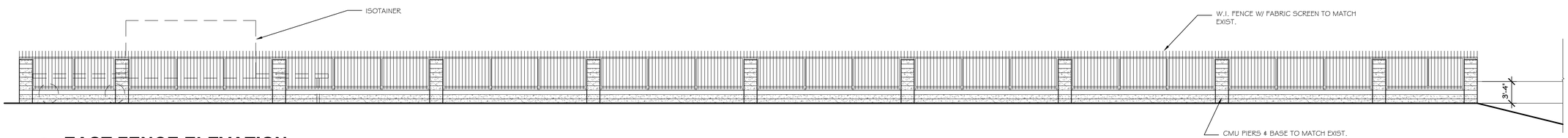
REVISIONS:

SHEET TITLE:

DATE:	ISSUED FOR:
4-23-15	PRE-SUBMITTAL/ P&Z

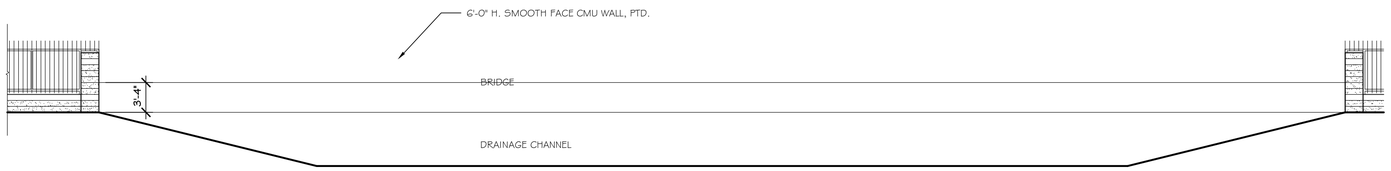
SHEET

SP1



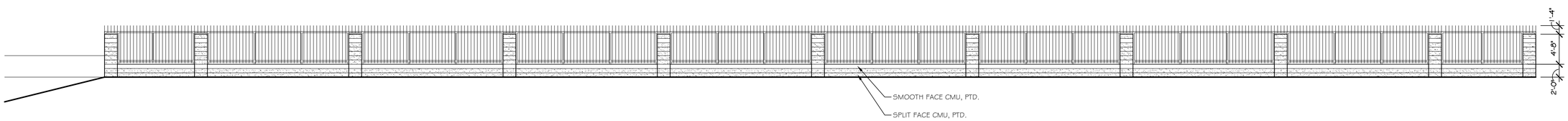
1 EAST FENCE ELEVATION

SCALE: 1/16"= 1'-0" FENCE ELEVATIONS



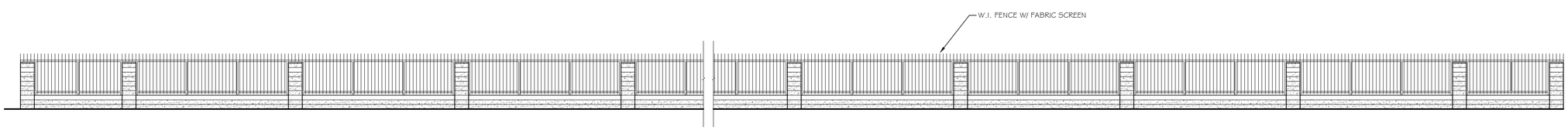
2 EAST FENCE ELEVATION

SCALE: 1/16"= 1'-0" FENCE ELEVATIONS



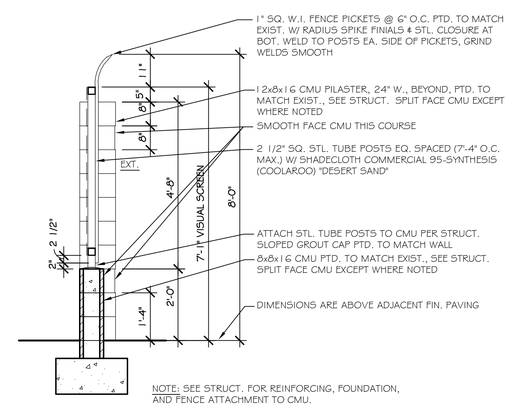
3 EAST FENCE ELEVATION

SCALE: 1/16"= 1'-0" FENCE ELEVATIONS



4 SOUTH FENCE ELEVATION

SCALE: 1/16"= 1'-0" FENCE ELEVATIONS



NOTE: SEE STRUCT. FOR REINFORCING, FOUNDATION, AND FENCE ATTACHMENT TO CMU.

5 W.I. & CMU FENCE

SCALE: 1/2"= 1'-0" WI & CMU FENCE

ANY CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER IS HEREBY NOTIFIED THAT THIS PROJECT (CONTRACT FOR CONSTRUCTION) MUST COMPLY TO THE ARIZONA SENATE BILL SB1549, PROMPT PAYMENT LEGISLATION, AS IT MODIFIES THE ARIZONA REVISED STATUTES.

REGISTERED ARCHITECT CERTIFICATE NO. 20122 MICHAEL ALAN HALL 4-23-15 Date Signed ARIZONA, U.S.A.

EXPIRES 3/31/17

MICHAEL A. HALL ARCHITECT, LLC
600 NORTH 4TH STREET, SUITE 404
PHOENIX, ARIZONA 85004
PHONE: 602-258-6048 FAX: 602-254-1802

DRAWN BY:	CHECKED BY:	PROJECT NUMBER:
MH	MH	15023

MPC ISOTAINER PARKING

6560 S. MOUNTAIN ROAD
MESA, ARIZONA

REVISIONS:

SHEET TITLE:

DATE:	ISSUED FOR:
4-23-15	PRE-SUBMITTAL/ P&Z

SHEET

SP2

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MGC Pure Chemicals
Isotainer Parking
Preliminary Drainage Report

Prepared for

MGC Pure Chemicals America, Inc.
6560 W Mountain Rd.
Mesa, Arizona, 85212

Prepared by:

O'Neill Engineering, LLC
2001 West Camelback Road, Suite 200
Phoenix, ARIZONA, 85015
TEL (602) 242-0020 FAX (602) 242-5722

April 2015

Registered Professional Engineer (Civil)
CERTIFICATE NO.
41932
DANIEL S.
GONZALEZ
DATE SIGNED 4-27-15
ARIZONA U.S.A.
Expires 3/31/2017

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Section 1: Introduction 1
- **1.1 Scope** 1
- **1.2 Site Description** 1

Section 2: DESIGN CRITERIA 1
- **2.1 Off-Site Flows** 1
- **2.2 On-Site Retention** 2
- **2.3 Summary** 2

Section 3: References 2

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APPENDIX B - Existing Condition Map
APPENDIX C - ADMS Excerpts
APPENDIX D - Preliminary Drainage Channel Calculations
APPENDIX E - Preliminary Detention Calculations
APPENDIX F - Proposed Drainage Map

Registered Professional Engineer (Civil)
CERTIFICATE NO.
41932
DANIEL S.
GONZALEZ
DATE SIGNED 4-22-15
ARIZONA U.S.A.
Expires 3/31/2017

Section 1: Introduction

1.1 Scope

This report is being prepared in conjunction with a rezone application for a New Isotainer Parking Area located at 6560 S. Mountain Road at the northwest corner of Pecos Road and Mountain Road. It is approximately 10 acres in size and is currently zoned AG and is proposed for HI-FA PAD. This project will also develop the said parcel by constructing a new parking lot for approximately 198 isotainers that will be accessed from the existing parcel to the west via a new driveway across the existing retention basin. The new parking lot will be elevated above the existing flood zone and the existing wash that crosses the parcel will be reconfigured to maintain the existing watershed without negatively impeding flow from S. Mountain Road. A vicinity map is attached for reference (Appendix A).

1.2 Site Description

The parcel is currently undeveloped, vacant desert with vegetation and an existing wash. The wash, during a major storm event, overflows its banks and combines with the adjacent sheet flow from the adjacent desert areas, flooding the majority of the parcel. The existing site slopes from the east to the west at a slope of less than 1%. See Appendix B for Existing Conditions Map.

Section 2: Design Criteria

2.1 Off-Site Flows

As mentioned above the site receives offsite stormwater flows from the east. A defined wash conveys stormwater through the site in smaller storm events and in larger events these flows enter the site as sheet flow across Mountain Road causing flooding in the roadway which makes the road impassable.

There is an Area Drainage Master Study (ADMS) prepared by the Flood Control District of Maricopa County that defines peak flows for the minor and major storm events in this area. The peak flow for the 100year 24hour storm event will be used in the design of this project. Excerpts from this study have been included in Appendix C. Preliminary calculations for the proposed drainage channel through the site conveying these flows can be found in Appendix D.

2.2 On-Site Retention

Onsite surface runoff from the proposed parking areas will be collected and detained within onsite basins. These basins will each have bleed-off pipes allowing the onsite runoff to be conveyed into the offsite drainage channel at measured low flows so as not to increase offsite peak flows onto neighboring properties. Preliminary calculations can be found in Appendix E. A drainage map showing the locations of onsite and offsite drainage components can be found in Appendix F.

2.3 Summary

Onsite and offsite drainage will be kept separate as onsite parking area runoff will be directed to their own onsite detention facilities and offsite flows will be conveyed through the site via a proposed drainage channel as shown on the attached drainage exhibit. Offsite flows from the already accepted Area Drainage Master Study prepared by the Flood Control District of Maricopa County will be used in the design of the drainage channel for flow conveyance through the site. There will be no offsite roadway improvements for this project. All calculations within this report are preliminary and will be finalized within a final drainage report once construction documents are prepared.

Section 3: References

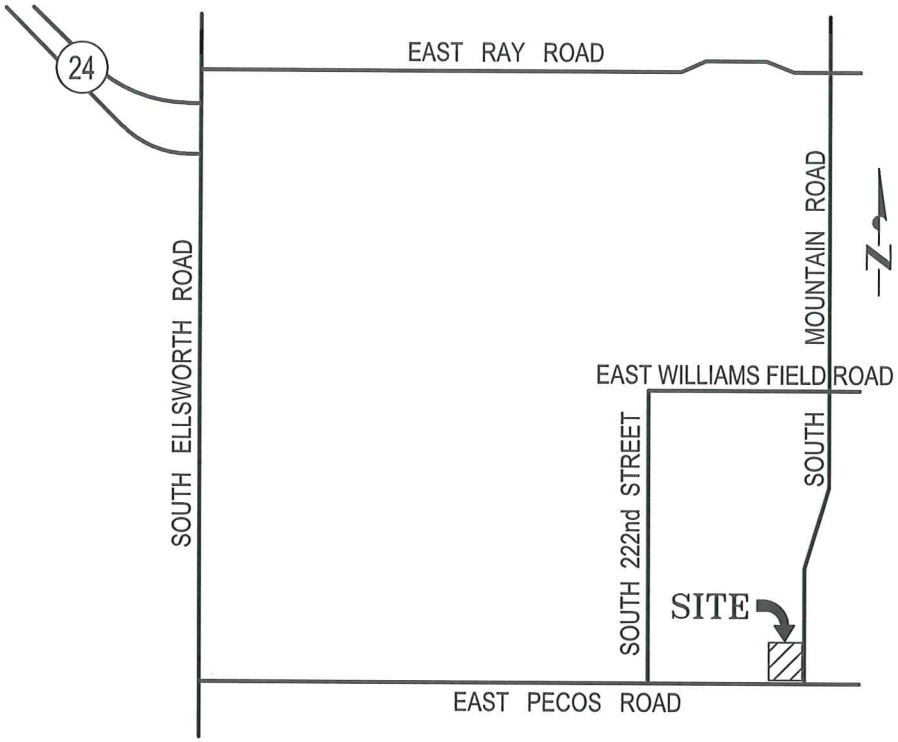
- Drainage Design Manuals for Maricopa County. Flood Control District of Maricopa County.
- City of Mesa Engineering and Design Standards, February, 2009.

APPENDIX A

Vicinity Map

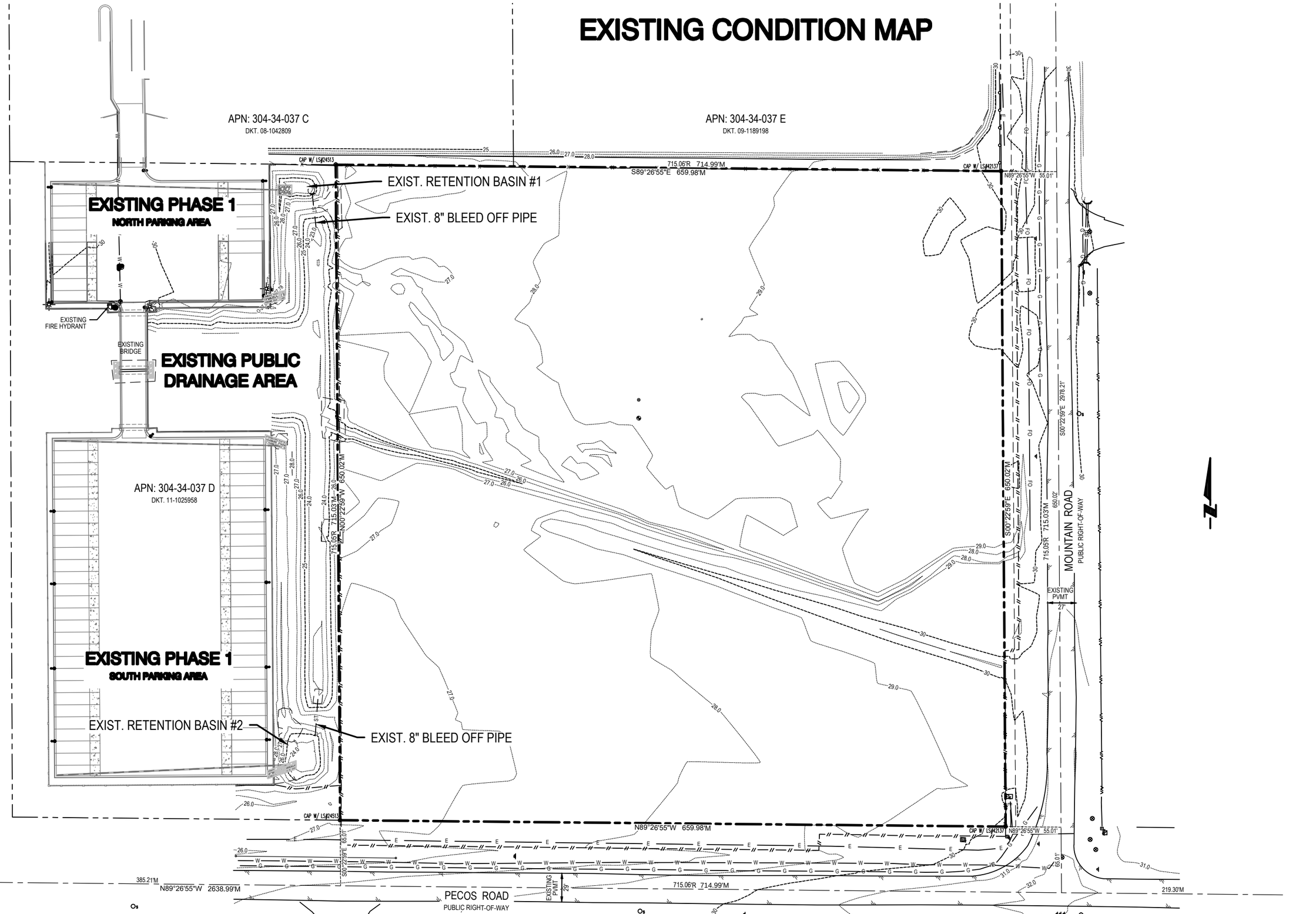
VICINITY MAP

N.T.S.



APPENDIX B
Existing Condition Map

EXISTING CONDITION MAP



O'NEILL ENGINEERING, L.L.C.
Engineering • Planning • Surveying • SUE

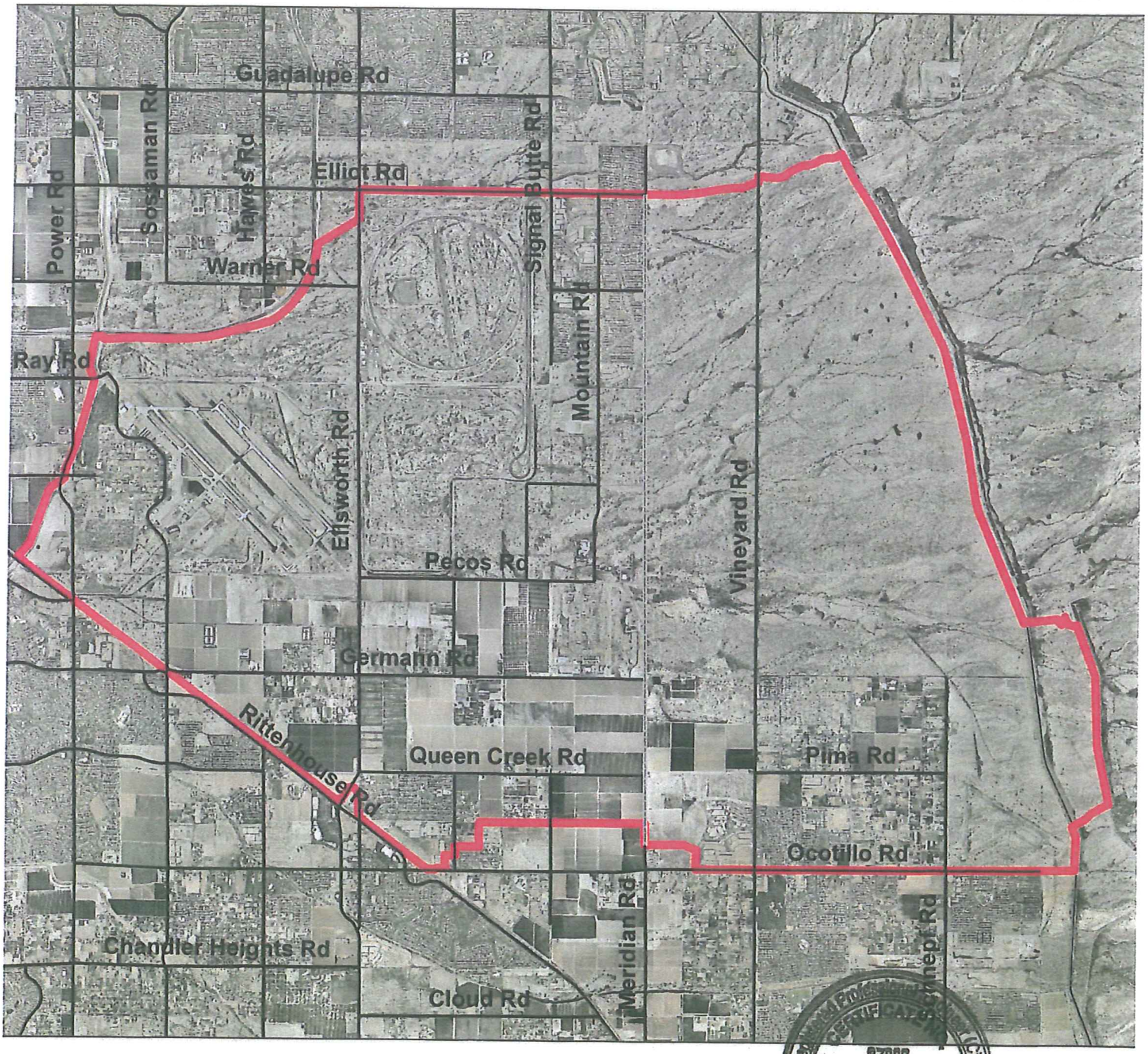
Engineering Answers

EXISTING CONDITION MAP

APPENDIX C

ADMS Excerpts

East Mesa Area Drainage Master Plan Update



Prepared by:
Flood Control District of Maricopa County
Engineering Division
Hydrology & Hydraulics Branch

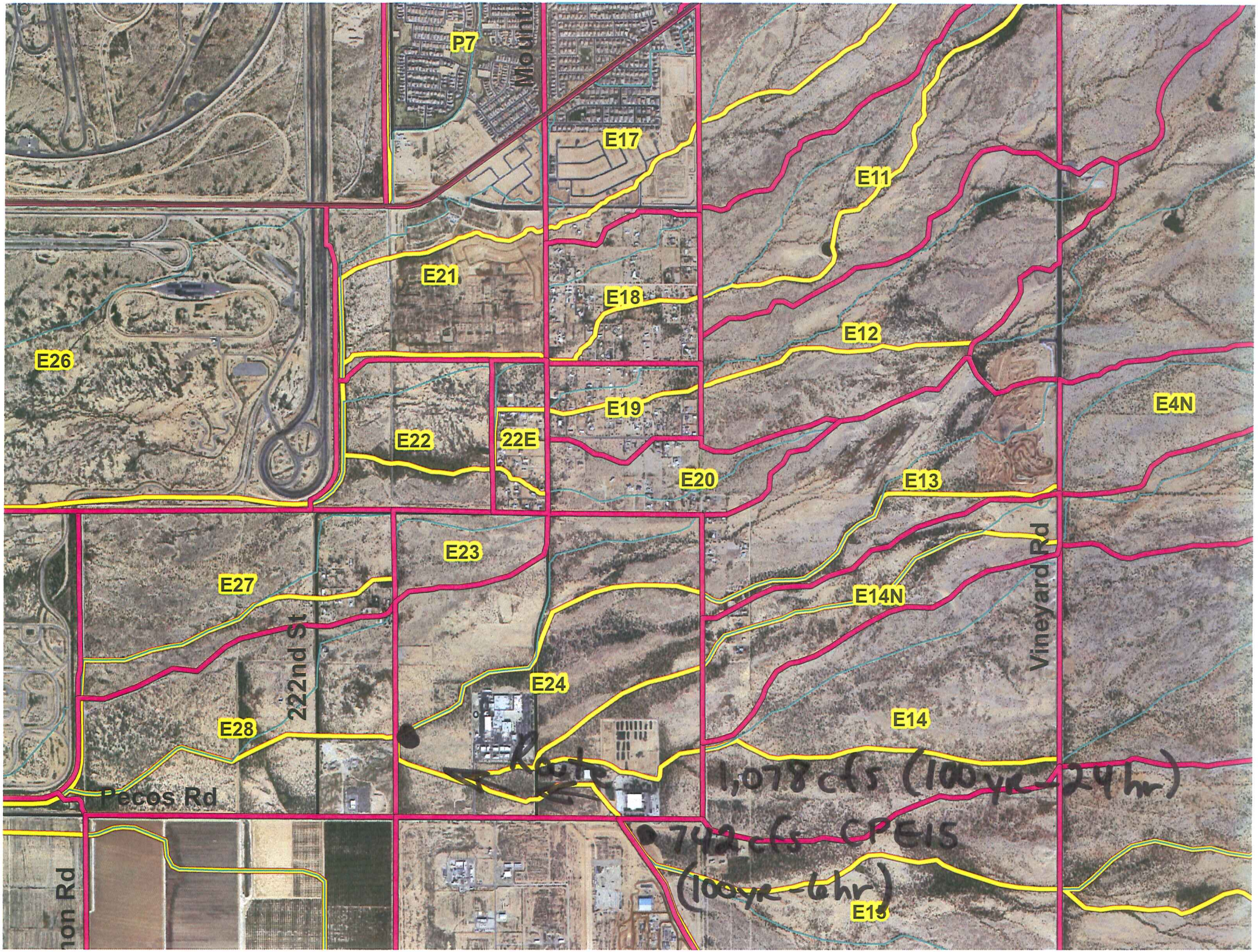
August 2011

Registered Professional Engineer (Civil)
CERTIFICATE NO.
37883
CATHERINE WEDIG
REGESTER
Date Signed 8/11/11
ARIZONA, U.S.A.

Catherine W. Register

EXPIRES 9/30/11

Table 4.5.1-1 Existing Conditions HEC-1 Model Results in Model Order													
HEC-1 ID	Area (Sq. Mi.)	10 Year				50 Year				100 Year			
		6 Hour		24 Hour		6 Hour		24 Hour		6 Hour		24 Hour	
		Peak (cfs)	Time (Hr)	Peak (cfs)	Time (Hr)	Peak (cfs)	Time (Hr)	Peak (cfs)	Time (Hr)	Peak (cfs)	Time (Hr)	Peak (cfs)	Time (Hr)
E8E6	1.1	121	6.17	**182**	14.08	221	6.25	**251**	15	253	6.75	**307**	15.33
CPE6	3.63	214	5.5	**510**	13.5	643	5.67	**1174**	13.5	977	5.67	**1514**	13.5
DRE9	3.63	1	5.5	**8**	13.5	13	5.67	**238**	13.5	144	5.67	**509**	13.5
DE6S	3.63	177	5.5	**502**	13.5	630	5.67	**936**	13.5	833	5.67	**1005**	13.5
E6E15	3.63	167	6.17	**428**	15.42	547	7.33	**826**	15.08	747	7.17	**938**	15
E15	0.78	181	4.92	**202**	12.92	359	4.92	**375**	12.92	447	4.92	**458**	12.92
DRE9	3.63	1	5.5	**8**	13.5	13	5.67	**238**	13.5	144	5.67	**509**	13.5
RTE6E9	3.63	1	6.25	**7**	14.08	11	6.08	**199**	13.83	132	5.92	**456**	13.75
E9	0.72	166	5	**177**	13	319	5	**329**	13	397	5	**401**	13
CPE9	4.35	53	5.08	**171**	13	188	5.08	**321**	13	258	5	**591**	13.67
DRR5	4.35	1	5.08	**49**	13	63	5.08	**159**	13	112	5	**374**	13.67
DE9S	4.35	52	5.08	**122**	13	125	5.08	**163**	13	146	5	**217**	13.67
E9E16	4.35	39	6	**107**	13.75	116	5.75	**150**	13.67	138	5.75	**196**	14.5
E16	0.4	**120**	4.83	110	12.83	**220**	4.83	204	12.83	**269**	4.83	250	12.83
CPE16	4.75	38	6	**122**	13.5	141	5.5	**212**	13.25	191	5.17	**269**	12.92
E16E15	4.75	35	6.42	**120**	14	138	5.83	**209**	13.58	187	5.67	**259**	13.42
CPE15	12.37	180	6.17	**423**	14	536	7.25	**888**	15.08	742	7.17	**1078**	14.92
E15E24	12.37	66	7.58	**412**	15.58	421	7.5	**859**	15.5	624	7.67	**1046**	15.33
CPE24	14.73	69	5.33	**630**	15.58	559	6.25	**1224**	15.58	840	7.75	**1470**	15.42
E24E28	14.73	57	8.92	**600**	16.5	552	7.33	**1190**	16.5	821	8.75	**1427**	16.33
E23	0.11	**51**	4.5	46	12.5	**95**	4.5	85	12.5	**115**	4.5	104	12.5
E23E27	0.11	**23**	5.75	21	13.83	**51**	5.58	46	13.58	**66**	5.5	61	13.5
E27	0.47	**186**	4.83	173	12.83	**321**	4.83	299	12.83	**387**	4.83	356	12.83
CPE27	0.58	**178**	4.83	173	12.83	**312**	4.83	299	12.83	**377**	4.83	356	12.83
E27E28	0.58	**163**	5	160	13	**283**	5	272	13	**346**	5	329	13
E28	0.56	**257**	4.83	249	12.83	**426**	4.83	401	12.83	**503**	4.83	470	12.83
CPE28	15.87	176	4.92	**599**	16.5	549	7.33	**1190**	16.5	818	7	**1427**	16.33
E28E31	15.87	153	5.58	**591**	16.92	536	8	**1166**	17	791	7.5	**1400**	16.83
E25	0.93	523	4.58	**529**	12.58	**834**	4.58	824	12.5	**984**	4.5	965	12.5
RETE25	0.93	523	4.58	**529**	12.58	**834**	4.58	824	12.5	**984**	4.5	965	12.5
DIVE25	0.93	0	0	0	0	0	0	0	0	0	0	0	0
E25E29	0.93	0	0	0	0	0	0	0	0	0	0	0	0


P7
E17
E11
E21
E18
E12
E26
E19
E4N
E22
22E
E20
E13
E23
E27
E14N
222nd St
Vineyard Rd
E24
E28
E14
Pecos Rd
1,078 cfs (100yr-24hr)
742 cfs CPE15
(100yr-6hr)
E15

APPENDIX D

Preliminary Drainage Channel Calculations

Channel Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Wednesday, Apr 22 2015

Drainage Channel

Trapezoidal

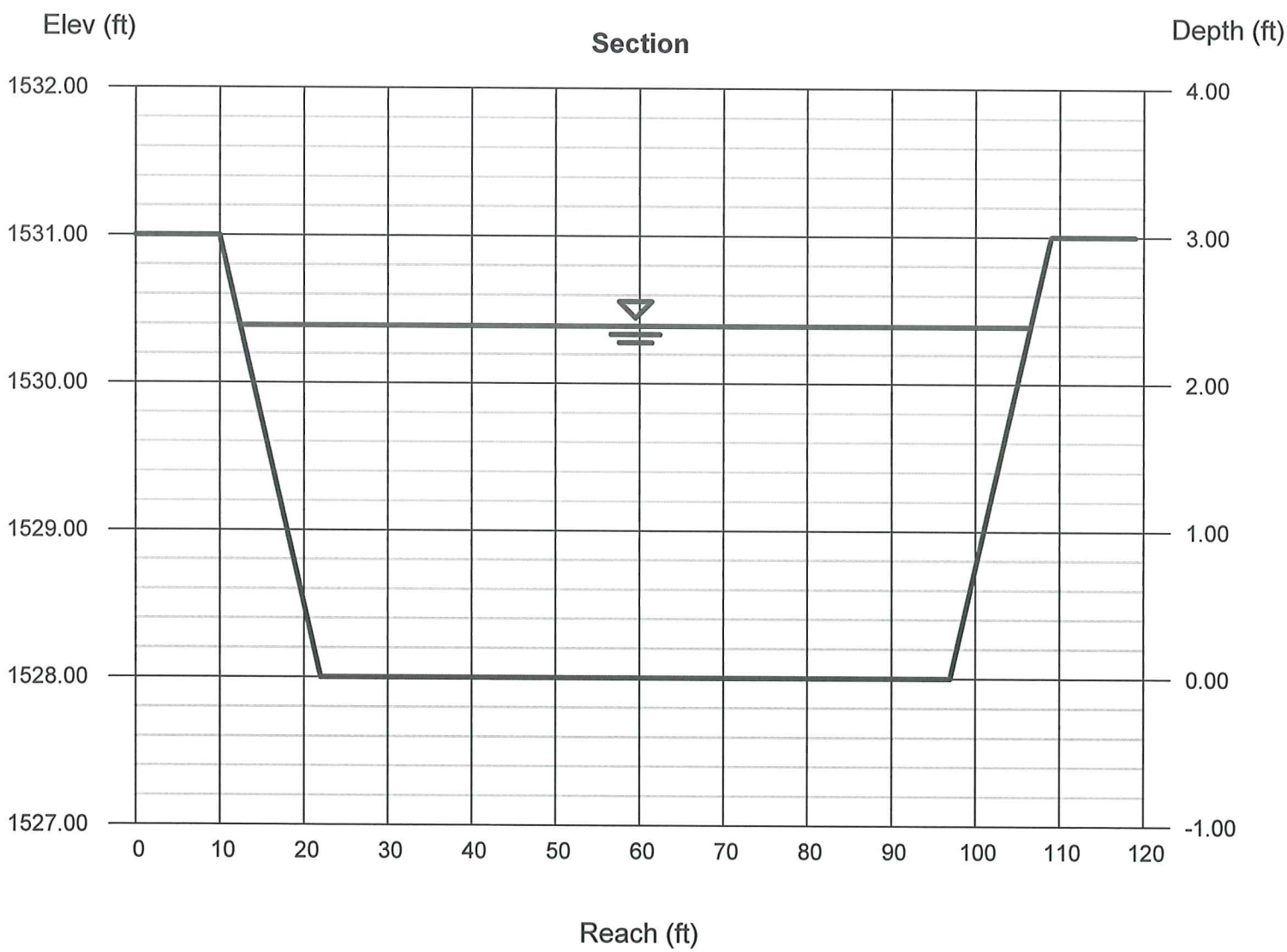
Bottom Width (ft)	= 75.00
Side Slopes (z:1)	= 4.00, 4.00
Total Depth (ft)	= 3.00
Invert Elev (ft)	= 1528.00
Slope (%)	= 0.58
N-Value	= 0.035

Calculations

Compute by:	Known Q
Known Q (cfs)	= 1078.00

Highlighted

Depth (ft)	= 2.39
Q (cfs)	= 1,078
Area (sqft)	= 202.10
Velocity (ft/s)	= 5.33
Wetted Perim (ft)	= 94.71
Crit Depth, Yc (ft)	= 1.80
Top Width (ft)	= 94.12
EGL (ft)	= 2.83



APPENDIX E
Preliminary Detention Calculations

RETENTION CALCULATIONS

TOTAL SITE AREA

Gross Area = 11.7348 Acres / 511,169 S.F.
Net Area = 9.8472 Acres / 428,944 S.F.

RUNOFF COEFFICIENTS (TABLE 8.1 C.O.M. Engineering Procedure Manual)

Desert landscape C=.50
Asphalt pavement C=.85

V-Required = C x D/12 x A

DRAINAGE AREA 1

TOTAL AREA = 148,900 S.F.

LANDSCAPE AREA = 27,291 S.F.

27,291 x 2.2/12 x .5 = 2,502 C.F.

AC PAVEMENT AREA = 121,609 S.F.

121,609 x 2.2/12 x .85 = 18,951 C.F.

DRAINAGE AREA 1 VOLUME REQUIRED = 21,453 C.F.

BASIN 1 VOLUME PROVIDED @ 3' depth = 28,597 c.f.

Phase 1 volume required = 5,098 c.f.
Phase 2 volume required = 21,453 c.f.
Total volume required = 28,301 c.f.

Excess volume provided = 296 c.f.

DRAINAGE AREA 2

TOTAL AREA = 148,614 S.F.

LANDSCAPE AREA = 25,429 S.F.

25,429 x 2.2/12 x .5 = 2,331 C.F.

AC PAVEMENT AREA = 123,185 S.F.

123,185 x 2.2/12 x .85 = 19,196 C.F.

DRAINAGE AREA 2 VOLUME REQUIRED = 21,527 C.F.

BASIN 2 VOLUME PROVIDED @ 2' depth = 42,230 c.f.

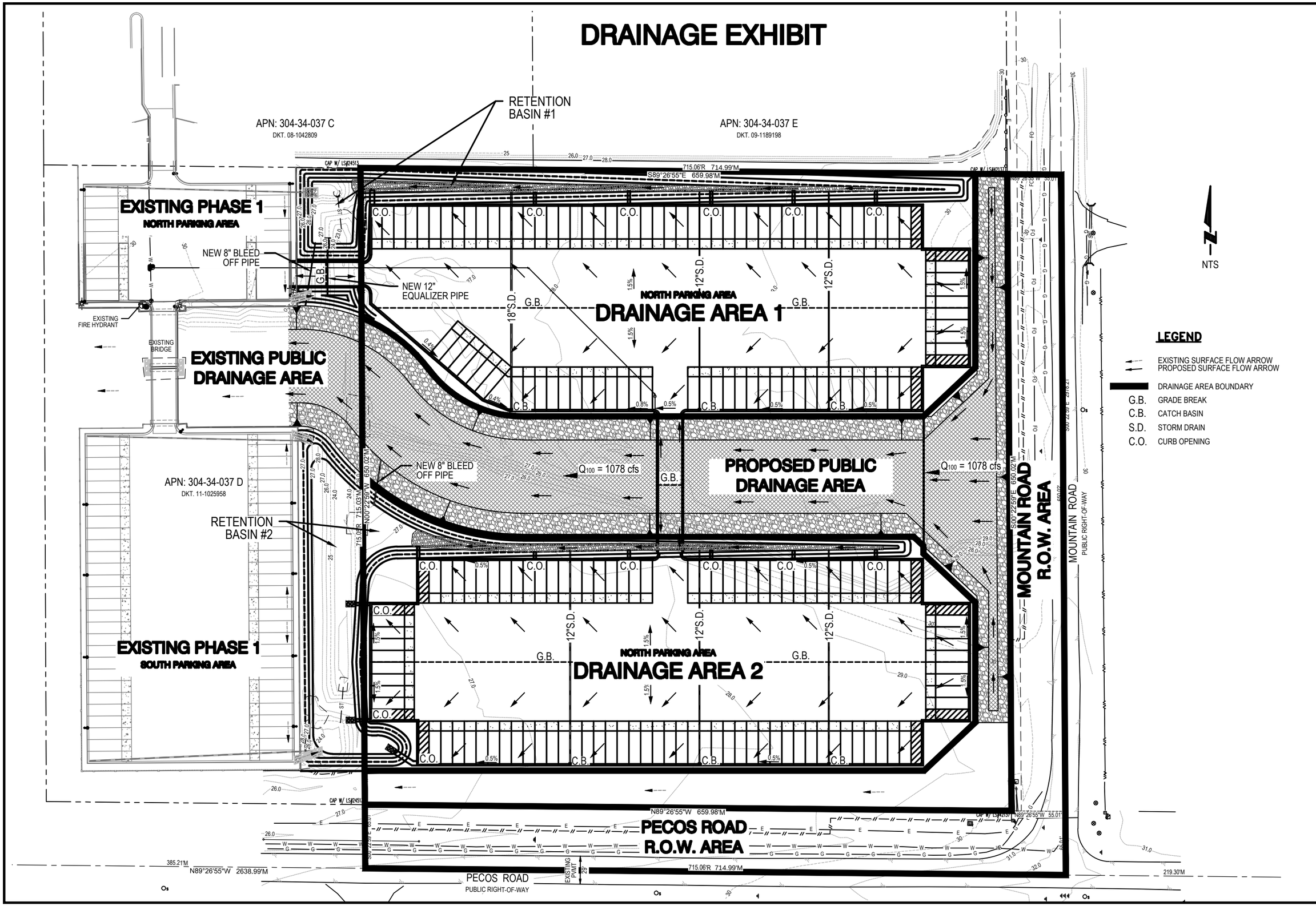
Phase 1 volume required = 12,813 c.f.
Phase 2 volume required = 21,527 c.f.
Total volume required = 34,340 c.f.

Excess volume provided = 7,890 c.f.

APPENDIX F

Proposed Drainage Map

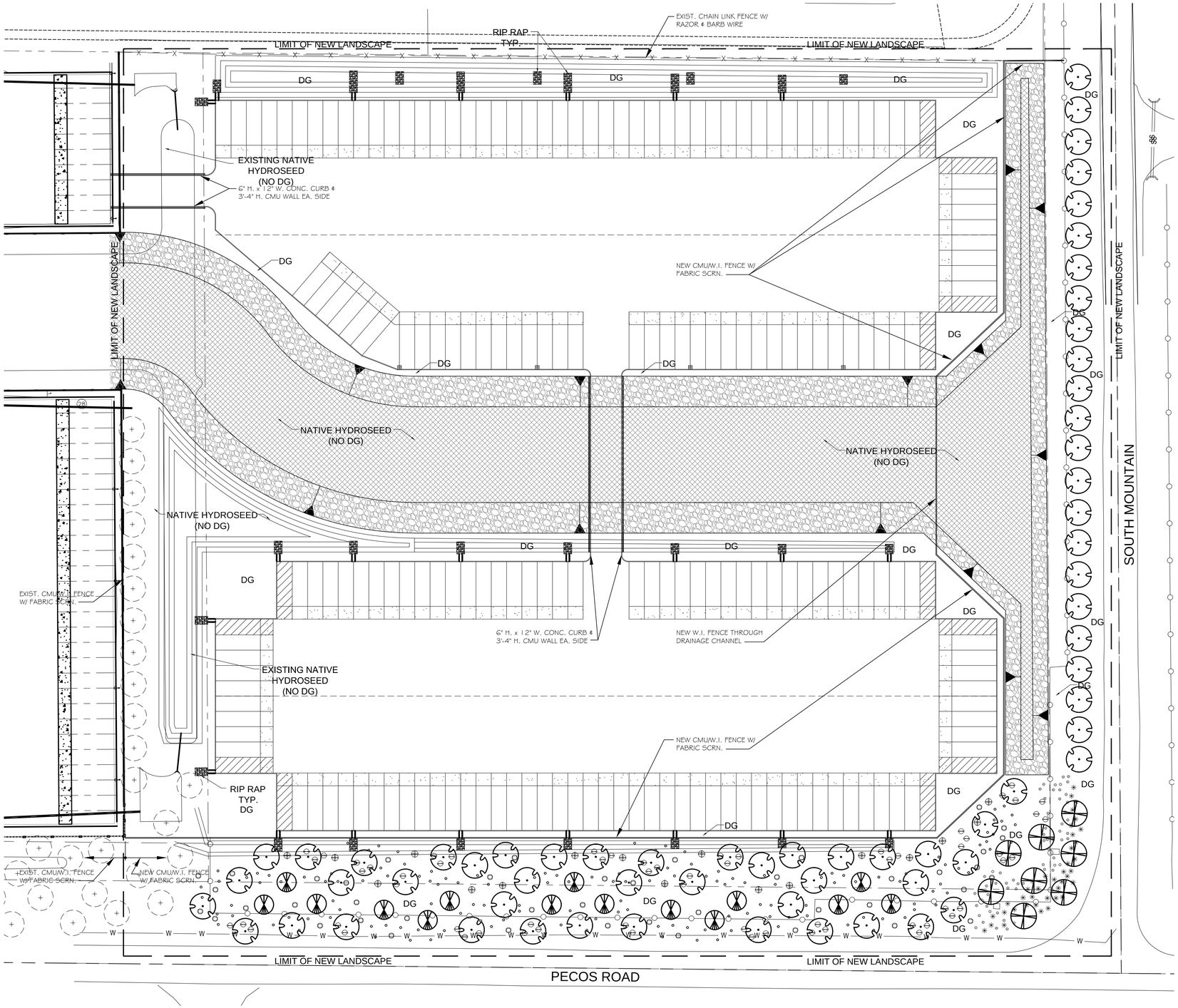
DRAINAGE EXHIBIT



O'NEILL ENGINEERING, L.L.C.
Engineering • Planning • Surveying • SUE

Engineering Answers

DRAINAGE EXHIBIT



PLANTING PLAN

SCALE: 1"=40'-0"

0 10' 20' 40' 80' Ref. North

G.K. FLANAGAN ASSOCIATES
4626 N. 44th Street
PHOENIX, AZ 85018
602 . 912 . 9691
602 . 912 . 9693 fax

REGISTERED LANDSCAPE ARCHITECT CERTIFICATE NO. 20066 GREGORY K. FLANAGAN Date Signed 04.23.15 ARIZONA, U.S.A. EXPIRES 12/31/2017

CONCEPTUAL PLANT LIST

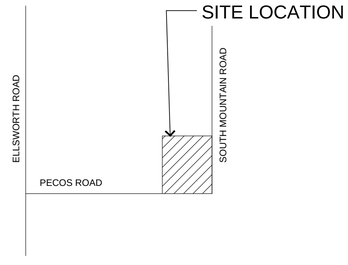
TREES	SIZE/COMMENTS
EXISTING TREE TO REMAIN	NA
CERCIDIUM 'DESERT MUSEUM' 'DESERT MUSEUM' PALO VERDE	36" BOX/ LOW BREAKING 8 QTY
PROSOPIS VELUTINA NATIVE MESQUITE	45 QTY SALVAGED FROM SITE 24" BOX/ LOW BREAKING 64 TOTAL QTY
CAESALPINIA MEXICANA MEXICAN BIRD OF PARADISE	15 GAL/ LOW BREAKING 15 QTY
SHRUBS	**SIZE/COMMENTS**
MUHLENBERGIA RIGIDA 'NASHVILLE' GRASS	5 GAL/ 39 QTY
SIMMONDSIA CHINENSIS JOJOBA	5 GAL/ 17 QTY
LARREA TRIDENTATA CREOSOTE BUSH	5 GAL/ 43 QTY
JUSTICIA CALIFORNICA CHUPAROSA	5 GAL/ 62 QTY
GROUNDCOVER	**SIZE/COMMENTS**
ENCELIA FARINOSA / AMBROSIA DELTOIDEA BRITTLE BUSH / BURSAGE MIX	1 GAL EA., 50/50 MIX 141 QTY
ERICAMERIA LARICIFOLIA TURPENTINE BUSH	1 GAL EA., 57 QTY
NATIVE HYDROSEED AS SELECTED	
DECOMPOSED GRANITE SIZE AND COLOR TO MATCH EXISTING	2" THICK TYP.

GENERAL NOTES

1. ALL PLANTING AREAS TO HAVE TOP DRESSING OF DECOMPOSED GRANITE. SIZE & COLOR TO MATCH EXISTING. 2" THICK, TYP. APPLIED OVER PRE-EMERGENT PER MFG. SPECS. 2 APPLICATIONS, MIN.
2. VERIFY ALL CONDITIONS IN FIELD PRIOR TO BIDDING/ INSTALLATION. DISCREPANCIES SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECT'S ATTENTION, IN WRITING.
3. NO PLANT SUBSTITUTION ALLOWED UNLESS APPROVED BY LANDSCAPE ARCHITECT.
4. LANDSCAPE ARCHITECT TO APPROVE ALL TREES AND SHRUBS PRIOR TO DELIVERY TO SITE.
5. LANDSCAPE ARCHITECT OR HIS REP RESERVE THE RIGHT TO REFUSE ANY PLANT HE/SHE DEEMS UNACCEPTABLE.
6. FOR CLARIFICATION OF DISCREPANCIES BETWEEN THE DWGS AND THE SITE, THEY SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
7. LANDSCAPE CONTRACTOR IS RESPONSIBLE TO TAKE PRECAUTIONS TO PROTECT ANY EXISTING IMPROVEMENTS.
8. FINISHED GRADE BELOW ALL PLANTERS SHALL BE 1" BELOW ADJACENT HEADER, PAVING, CURBING, ETC.
9. GROUNDCOVER AND/OR DG SHALL EXTEND UNDER SHRUBS UNLESS NOTED.
10. ALL EARTHWORK IS TO BE DONE SO THAT ALL WATER DRAINS AWAY FROM ALL STRUCTURES.
11. ALL UNDERGROUND CONDUITS/PIPES/UTLITIES ARE TO BE LOCATED PRIOR TO DIGGING.

EXIST. CONDITIONS GENERAL NOTES

1. ALL PLANT MATERIAL DESIGNATED AS "EXISTING TO REMAIN" SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION. ANY TREE THAT DIES DUE TO LACK OF WATER, MAINTENANCE OR CARE, NEGLECT OR VANDALISM SHALL BE REPLACED BY LIKE TYPE AND SIZE TREE AT NO ADDITIONAL COST TO THE OWNER. ALL SHRUBS/GCOVERS SHALL BE REPLACED W/ 5 GAL PLANTS.
2. LANDSCAPE AREAS DISTURBED BY NEW CONSTRUCTION SHALL BE REPLACED W/ NEW DG MATCHING EXISTING. BLEND ALL DISTURBED AREAS SO THERE IS SMOOTH TRANSITION BETWEEN ALL EDGES.
3. ANY/ALL BROKEN HEADERS TO BE REPLACED.
4. ALL EXISTING PLANT MATERIAL AND ADJACENT PLANT MATERIAL SHALL HAVE UNINTERRUPTED WATERING DURING ALL PHASES OF CONSTRUCTION. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: HAND WATERING, TRUCK WATERING, TEMPORARY SYSTEM, ETC.
5. THE EXISTING IRRIGATION SYSTEM SHALL BE PROTECTED, MAINTAINED AND REPAIRED DURING ALL PHASES OF CONSTRUCTION. THE EXISTING SYSTEM IS TIED TO ADJACENT PROPERTIES. ALL EQUIPMENT SUCH AS MAINLINE, WIRES, LATERALS, HEADS, EMITTERS, ETC SHALL BE REPAIRED/REPLACED AS REQ TO MAINTAIN CONTINUOUS WATER.
6. ALL EXISTING TREES TO REMAIN SHALL BE SELECTIVELY PRUNED PER LANDSCAPE ARCHITECT DIRECTION.



MICHAEL A. HALL ARCHITECT, LLC
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PHONE: 602-258-6048 FAX: 602-254-1802

DRAWN BY:	CHECKED BY:	PROJECT NUMBER:
MH	MH	15023

MPC ISOTAINER PARKING

6560 S. MOUNTAIN ROAD
MESA, ARIZONA

REVISIONS:

SHEET TITLE:
PLANTING PLAN

DATE:	ISSUED FOR:
4-23-15	PRE-SUBMITTAL/ P&Z

SHEET
L-1

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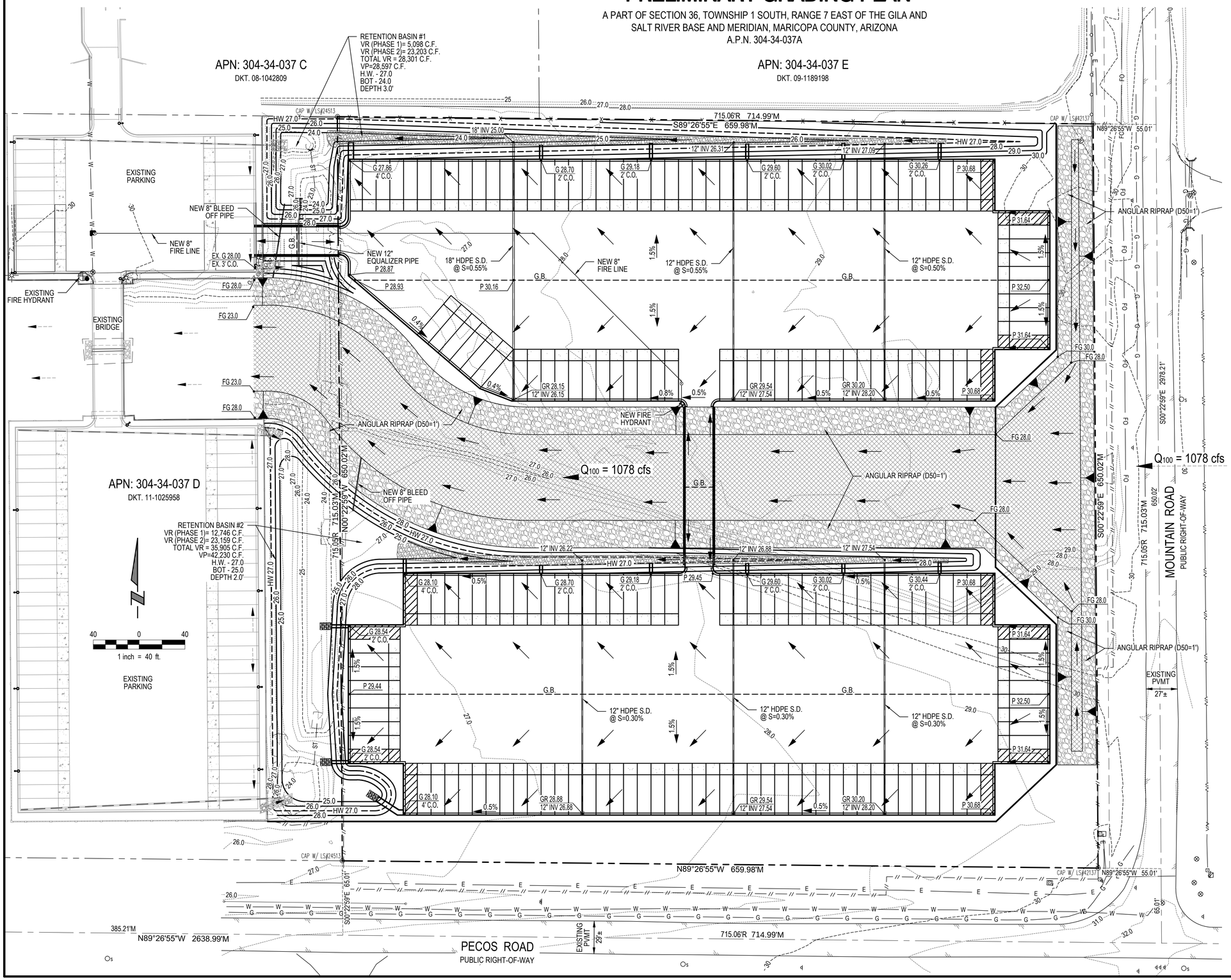
ANY CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER IS HEREBY NOTIFIED THAT THIS PROJECT (CONTRACT FOR CONSTRUCTION) MUST COMPLY TO THE ARIZONA SENATE BILL SB1549, PROMPT PAYMENT LEGISLATION, AS IT MODIFIES THE ARIZONA REVISED STATUTES.

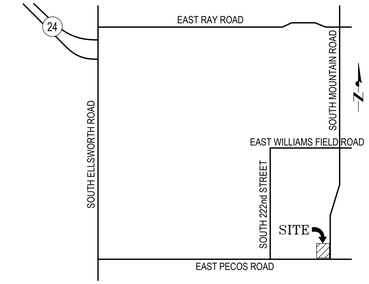
MGC PURE CHEMICALS AMERICA, INC.

6560 SOUTH MOUNTAIN ROAD
MESA, ARIZONA 85212

PRELIMINARY GRADING PLAN

A PART OF SECTION 36, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA AND
SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA
A.P.N. 304-34-037A





VICINITY MAP

N.T.S.

OWNER

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CONTACT: MICHAEL HALL

LEGEND

- PROPERTY CORNER FOUND PK NAILS W/SHINNERS (UNLESS NOTED)
- PROPERTY LINE
- MONUMENT
- E — UNDERGROUND POWER
- W — WATER LINE
- SS — SANITARY SEWER
- SD — STORM SEWER
- FO — FIBER OPTICS LINE
- T — UNDERGROUND TELEPHONE
- UTV — UNDERGROUND CABLE TELEVISION
- BARBED WIRE
- X — CHAIN LINK FENCE
- 29.0 — EXIST. CONTOUR
- EX. SITE LIGHT
- FIRE HYDRANT
- BACK FLOW PREVENTOR
- WATER METER
- WATER VALVE
- GRATE INLET
- STORM MANHOLE
- SEWER MANHOLE
- EXISTING SURFACE FLOW ARROW
- PROPOSED SURFACE FLOW ARROW
- MASONRY WALL
- 2' VERT. CURB & GUTTER
- 6" VERTICAL CURB
- P 20.06 — PROPOSED PAVEMENT ELEVATION
- SW 20.10 — PROPOSED SIDEWALK ELEVATION
- G 19.74 — PROPOSED GUTTER ELEVATION
- FG 19.95 — PROPOSED FINISHED GRADE ELEVATION
- S.D. — STORM DRAIN
- G.B. — GRADE BREAK
- C.O. — CURB OPENING

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Engineering Answers

MGC PURE CHEMICALS AMERICA, INC.
6560 SOUTH MOUNTAIN ROAD
MESA, ARIZONA

PRELIMINARY GRADING PLAN

CERTIFICATE OF AUTHORITY
41932
DANIEL S. GONZALEZ
Date Signed 4/22/15
ARIZONA U.S.A.
EXPIRES 3/31/17

No.	Date	Revision Description

Proj No:	P2015.133.001
Date:	04/22/2015
Designed By:	DSG
Drawn By:	MWP
Scale:	1" = 40'
Sheet:	1 of 1

Michael Peck

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