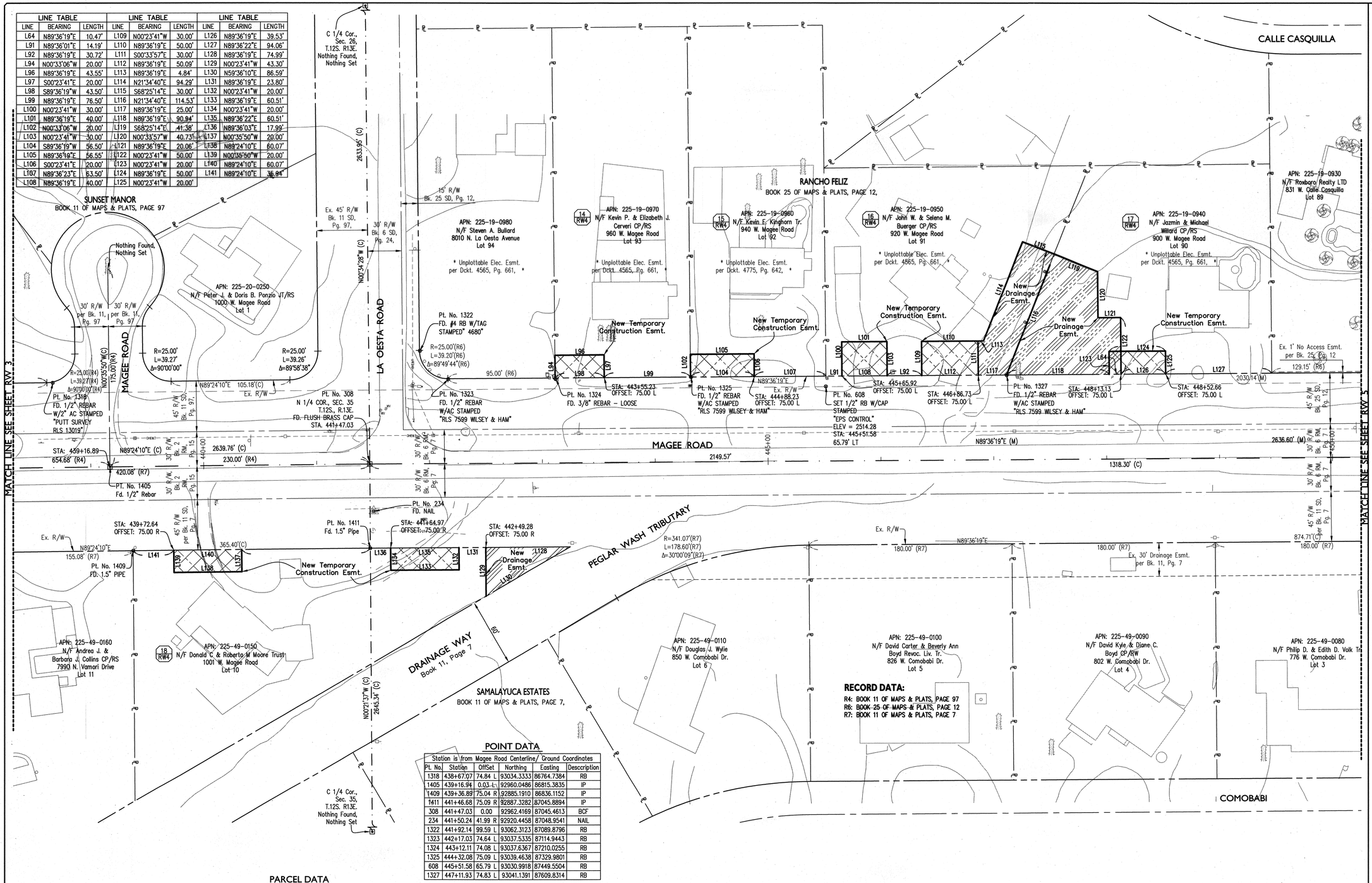
10-077

LINE TABLE			LINE TABLE			LINE TABLE		
LINE	BEARING	LENGTH	LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L64	N89°36'19"E	10.47'	L109	N00°23'41"W	30.00'	L126	N89°36'19"E	39.53'
L91	N89°36'01"E	14.19'	L110	N89°36'19"E	50.00'	L127	N89°36'22"E	94.06'
L92	N89°36'19"E	30.72'	L111	S00°33'57"E	30.00'	L128	N89°36'19"E	74.99'
L94	N00°33'06"W	20.00'	L112	N89°36'19"E	50.09'	L129	N00°23'41"W	43.30'
L96	N89°36'19"E	43.55'	L113	N89°36'19"E	4.84'	L130	N59°36'10"E	86.59'
L97	S00°23'41"E	20.00'	L114	N21°34'40"E	94.29'	L131	N89°36'19"E	23.80'
L98	S89°36'19"W	43.50'	L115	S68°25'14"E	30.00'	L132	N00°23'41"W	20.00'
L99	N89°36'19"E	76.50'	L116	N21°34'40"E	114.53'	L133	N89°36'19"E	60.51'
L100	N00°23'41"W	30.00'	L117	N89°36'19"E	25.00'	L134	N00°23'41"W	20.00'
L101	N89°36'19"E	49.00'	L118	N89°36'19"E	90.84'	L135	N89°36'22"E	60.51'
L102	N00°33'06"W	20.00'	L119	S68°25'14"E	41.38'	L136	N89°36'03"E	17.99'
L103	N00°23'41"W	30.00'	L120	N00°33'57"W	40.73'	L137	N00°35'50"W	20.00'
L104	S89°36'19"W	56.50'	L121	N89°36'19"E	20.06'	L138	N89°24'10"E	60.07'
L105	N89°36'19"E	56.55'	L122	N00°23'41"W	50.00'	L139	N00°35'50"W	20.00'
L106	S00°23'41"E	20.00'	L123	N00°23'41"W	20.00'	L140	N89°24'10"E	60.07'
L107	N89°36'23"E	63.50'	L124	N89°36'19"E	50.00'	L141	N89°24'10"E	36.94'
L108	N89°36'19"E	40.00'	L125	N00°23'41"W	20.00'			



RECORD DATA:
R4: BOOK 11 OF MAPS & PLATS, PAGE 97
R6: BOOK 25 OF MAPS & PLATS, PAGE 12
R7: BOOK 11 OF MAPS & PLATS, PAGE 7

POINT DATA

Station is from Magee Road Centerline/			Ground Coordinates		
Pt. No.	Station	OffSet	Northing	Easting	Description
1318	438+67.07	74.84 L	93034.3333	86764.7384	RB
1405	439+16.94	0.03 L	92960.0486	86815.3835	IP
1409	439+36.89	75.04 R	92885.1910	86836.1152	IP
1411	441+46.68	75.09 R	92887.3282	87045.8894	IP
308	441+47.03	0.00	92962.4169	87045.4613	BCF
234	441+50.24	41.99 R	92920.4458	87048.9541	NAIL
1322	441+92.14	99.59 L	93062.3123	87089.8796	RB
1323	442+17.03	74.64 L	93037.5335	87114.9443	RB
1324	443+12.11	74.08 L	93037.6367	87210.0255	RB
1325	444+32.08	75.09 L	93039.4638	87329.9801	RB
608	445+51.58	65.79 L	93030.9918	87449.5504	RB
1327	447+11.93	74.83 L	93041.1391	87609.8314	RB

PARCEL DATA

#	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition Sq. Ft.	Fee Acquisition Acres	Drainage Esmt. Sq. Ft.	Drainage Esmt. Acres	Slope Esmt. Sq. Ft.	Slope Esmt. Acres	Temp. Constr. Esmt. Sq. Ft.	Temp. Constr. Esmt. Acres	Gross Area Sq. Ft.	Gross Area Acres	Remainder Area Sq. Ft.	Remainder Area Acres
14	225-19-0970	Kevin P & Elizabeth J Cerveri	12804	880	960 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	871	0.0200	---	---	---	---
15	225-19-0960	Kevin F Kinghorn Trust	11847	3402	940 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,131	0.0260	---	---	---	---
16	225-19-0950	John W & Selena M Buerger	10849	620	920 W. Magee Rd.	Tucson 85704	---	---	3,580	0.0822	---	---	2,701	0.0620	---	---	---	---
17	225-19-0940	Jazmin & Michael Willard	12625	12057	900 W. Magee Rd.	Tucson 85704	---	---	7,066	0.1622	---	---	1,000	0.0230	---	---	---	---
18	225-49-0150	Donald C & Roberta M Moore Trust	9284	2628	1001 W. Magee Rd.	Tucson 85704	---	---	1,623	0.0373	---	---	2,411	0.0553	---	---	---	---

NORTH
scale 40 0 40 80 feet

Scales		Sheet	Page
	Horiz. 1" = 40'	RW 4 of RW 10	251 of 273
	Vert. 1" = N/A		

Revision Description	Date
Designed	12 2011
Drawn MDC/JDB/BGN	12 2011
Checked JK	12 2011
Proj. Eng. GM	12 2011
AH	

Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

REGISTERED LAND SURVEYOR
48225
JOE KRAFT
Date signed 6-17-13
ARIZONA U.S.A.
EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

10-077

MATCH LINE SEE SHEET RW 4

MATCH LINE SEE SHEET RW 6

MATCH LINE SEE SHEET RW 10

RANCHO FELIZ
BOOK 25 OF MAPS & PLATS, PAGE 12,

APN: 225-19-0920
N/F Octavio B. & Luz Maria Lerma JT/RS
821 W. Calle Casquilla
Lot 88

APN: 225-19-0910
N/F Margarita Pulliam
811 W. Calle Casquilla
Lot 87

APN: 225-19-0900
N/F Dolores Louise Stevens Living Trust
801 W. Calle Casquilla
Lot 86

APN: 225-19-0890
N/F Shawn & Cade L. Wilson JT/RS
785 W. Calle Casquilla
Lot 85

APN: 225-19-0880
N/F Richard C. & Lee Adele Jessen JT/RS
775 W. Calle Casquilla
Lot 84

19 RWS — APN: 225-19-0870
N/F Sam De Lee Jr. & Nancy Ann Whitley JT/RS
722 W. Magee Road
Lot 83

20 RWS — APN: 225-19-0860
N/F Gene G. & Lynette F. Clark JT/RS
702 W. Magee Road
Lot 82

21 RWS — APN: 225-19-0780
N/F Charles R. & Shirley I. Logneaux JT/RS
8001 N. Placita Deliz
Lot 74

* Unplottable Elec. Esmt. per Dckt. 4565, Pg. 661, *

Ex. 10' Utilities Esmt. per Bk. 25, Pg. 12,

Ex. 1' No Access Esmt. per Bk. 25, Pg. 12

Ex. 1' No Access Esmt. per Bk. 25, Pg. 12

Ex. 1' No Access Esmt. per Bk. 25, Pg. 12

Ex. 1' No Access Esmt. per Dckt. 7925, Pg. 979

New Temporary Construction Esmt.

New Temporary Construction Esmt.

New Temporary Construction Esmt.

STA: 457+43.56 @ OFFSET: 75.00 L

STA: 458+42.55 OFFSET: 75.00 L

STA: 459+24.61 OFFSET: 75.00 L

STA: 459+97.73 OFFSET: 75.00 R

L95 L142 L143 L144 L145 L146 L147 L148 L149 L150 L151 L152 L153 L154 L160 L161 L162 L163 L164 L165

N89°36'19"E

Pt. No. 607
SET 1/2" RB W/CAP STAMPED "EPS CONTROL" ELEV = 2528.00

Pt. No. 1331
FD. 1/2" REBAR W/AC STAMPED "RLS 7599 WLSEY & HAM"

Pt. No. 1332
FD. 1/2" REBAR W/AC STAMPED "RLS 7599 WLSEY & HAM"

Pt. No. 1333
FD. 5/8" REBAR NO ID

Pt. No. 606
SET 1/2" RB W/CAP STAMPED "EPS CONTROL" ELEV = 2539.75
STA: 456+99.74
67.85' LT

Pt. No. 1334
FD. 1/2" REBAR NO ID

Pt. No. 1335
FD. 1/2" REBAR W/AC STAMPED "RLS 7599 WLSEY & HAM"

Pt. No. 1336
FD. 1/2" REBAR NO ID

Pt. No. 1344
FD. 1/2" REBAR NO ID
SET IN WALL FOOTER

2030.14'(M)

1318.30' (C)

2149.57'

2636.60'

1318.30'

1203.40'(C)

87.50'

180.00' (R7)

874.71'(C)

155.01' (R7)

R=25.00'
L=39.26'
Δ=89°58'45"

315.00'

N00°24'56"W

E 1/16 COR., SEC. 26 & 35
T.12S., R.13E.
CALCULATED
STA: 454+65.33

455+00

460+00

MAGEE ROAD

PASEO DEL NORTE

45' R/W Bk. 25 SD, Pg. 12

30' R/W Bk. 6 RM, Pg. 7

30' R/W Bk. 6 RM, Pg. 7

45' R/W per Bk. 11 SD, Pg. 7

45' R/W Dckt. 11549, Pg. 3068,

30' R/W Bk. 6 RM, Pg. 7

Ex. R/W

Ex. 30' Drainage Esmt. per Bk. 11, Pg. 7

Ex. 10' Telephone Esmt. per Dckt. 2488, Pg. 136,

Ex. 30' R/W per Bk. 11 SD, Pg. 7

30' R/W per Bk. 6 RM, Pg. 24,

15' R/W per Dckt. 4228, Pg. 288,

APN: 225-49-0070
N/F Richard & Karen Czech Living Tr.
750 W. Comobabi Dr.
Lot 2

APN: 225-49-0060
N/F TP & Sadie McWilliams
726 W. Comobabi Dr.
Lot 1

APN: 225-14-1990
N/F Dennis Ditelberg
7962 N. Paseo Del Norte
A portion of Lot 9

22 RWS — APN: 225-14-198B
N/F Thomas Bartle Generation Skipping Trust
701 W. Magee Road
A portion of Catalina Citrus Estates

23 RWS — APN: 225-49-448A
N/F MG Casa Lindas Apartments LLC
699 W. Magee Road

SAMALAYUCA ESTATES
BOOK 11 OF MAPS & PLATS, PAGE 7,

CASAS LINDAS ADDITION BLOCK 1
BOOK 39 OF MAPS & PLATS, PAGE 66,

CATALINA CITRUS ESTATES
BOOK 6 OF MAPS & PLATS, PAGE 24,

NOTHING FOUND
NOTHING SET

COMOBABI

RECORD DATA:
R6: BOOK 25 OF MAPS & PLATS, PAGE 12
R7: BOOK 11 OF MAPS & PLATS, PAGE 7
R8: BOOK 39 OF MAPS & PLATS, PAGE 66

WEST LINE OF THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 35, T.12S., R.13E.

SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 35, T.12S., R.13E.

EAST LINE OF THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 35, T.12S., R.13E.

POINT DATA

Station is from Magee Road Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Desccription
607	451+23.04	68.92 L	93038.0610	88020.9711	RB
1331	453+33.15	75.05 L	93045.6316	88231.0367	RB
1332	454+63.43	75.06 L	93046.5431	88361.3122	RB
1333	455+93.66	75.01 L	93047.3879	88491.5356	RB
606	456+99.74	67.85 L	93040.9575	88597.6653	RB
1334	457+22.34	73.28 L	93046.5431	88620.2249	RB
1335	458+85.34	74.28 L	93048.6718	88783.2138	RB
1336	460+47.53	73.60 L	93049.1055	88945.4072	RB
1344	461+24.28	74.79 R	92901.2534	89023.1761	RB

PARCEL DATA

(#)	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition Sq. Ft.	Fee Acquisition Acres	Drainage Esmt. Sq. Ft.	Drainage Esmt. Acres	Slope Esmt. Sq. Ft.	Slope Esmt. Acres	Temp. Constr. Esmt. Sq. Ft.	Temp. Constr. Esmt. Acres	Gross Area Sq. Ft.	Gross Area Acres	Remainder Area Sq. Ft.	Remainder Area Acres
19	225-19-0870	Sam De Lee Jr. & Nancy Ann Whitley JT/RS	7659	916	722 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,702	0.0391	---	---	---	---
20	225-19-0860	Gene G. Lynette F. Clark JT/RS	9642	81	702 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	821	0.0188	---	---	---	---
22	225-14-198B	Thomas Bartle Generation Skipping Trust	13410	227	701 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	2,442	0.0561	---	---	---	---
23	225-49-448A	MG Casa Lindas Apartments LLC	13001	105	699 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,830	0.0420	---	---	---	---

LINE TABLE

LINE	BEARING	DISTANCE
L95	N89°36'19"E	21.94'
L142	N00°23'41"W	20.00'
L143	N89°36'19"E	44.06'
L144	S00°23'41"E	20.00'
L145	S89°36'19"W	44.06'
L146	N89°36'19"E	54.94'
L147	N00°23'41"W	20.00'
L148	N89°36'19"E	41.00'
L149	S89°36'25"W	41.06'
L150	S00°33'57"E	20.00'
L151	N89°36'19"E	41.06'
L152	S89°36'19"W	41.00'
L153	S00°23'41"E	20.00'
L154	N89°36'19"E	121.00'
L160	N89°36'19"E	65.76'
L161	S00°23'41"E	40.00'
L162	S89°36'19"W	61.05'
L163	N00°23'41"W	40.00'
L164	N89°36'19"E	61.05'
L165	S89°36'19"W	202.78'

NORTH

scale 40 0 40 80 feet

Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation

Revision Description	Date
MDC/JDB/PBN	12 2011
JK	12 2011
GM	12 2011
AH	12 2011

Designed
Drawn
Checked
Proj. Eng.

Engineer Date

Revision Description

REGISTERED PROFESSIONAL ENGINEER 48225 JOE KRAFT 12-7-11 ARIZONA U.S.A. EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

Scales | Horiz. 1" = 40' | Vert. 1" = N/A | Sheet RW 5 of RW 10 | Page 252 of 273

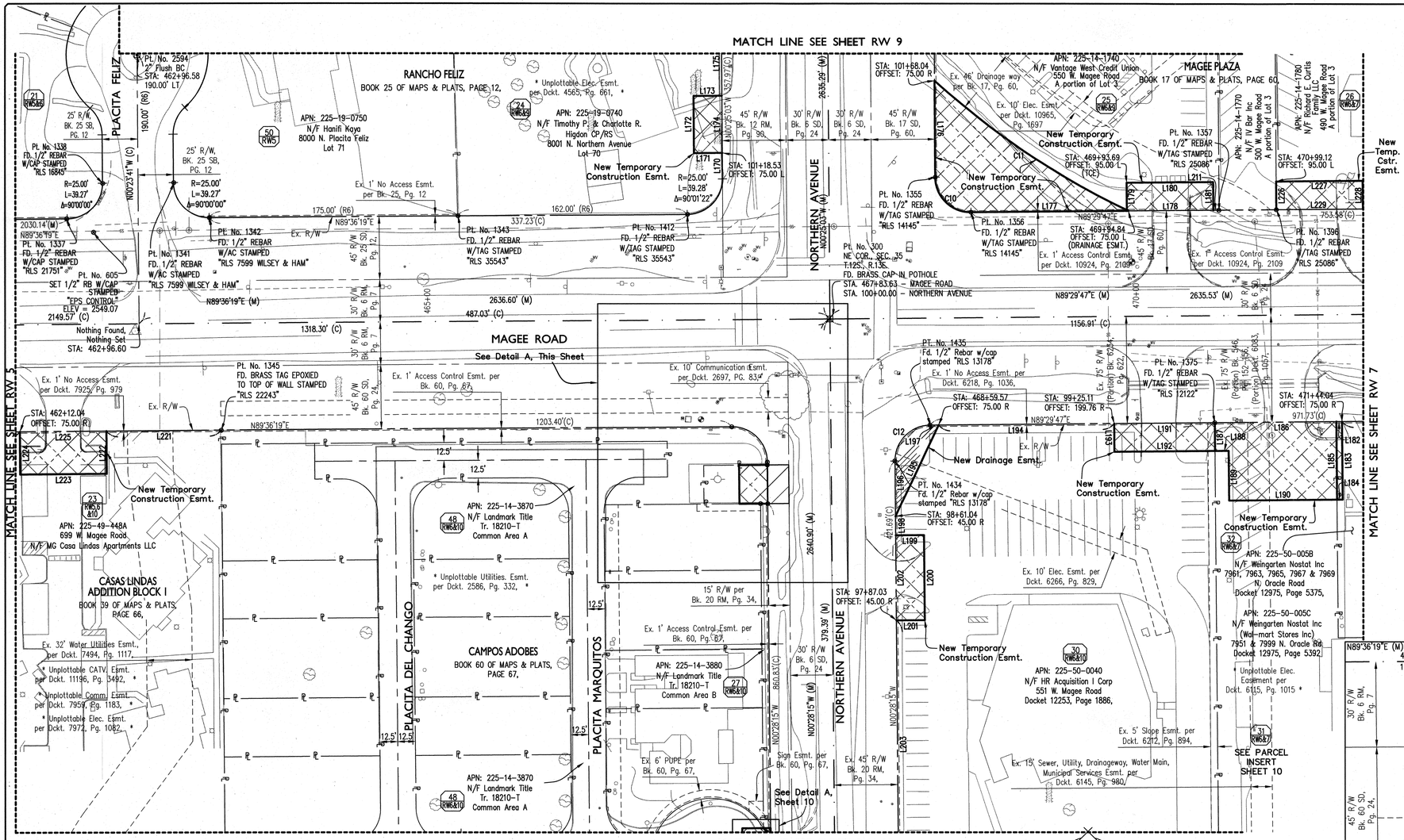
10-077

MATCH LINE SEE SHEET RW 9

MATCH LINE SEE SHEET RW 5

MATCH LINE SEE SHEET RW 7

MATCH LINE SEE SHEET RW 10



NOTES FOR APN: 225-14-1740
* Unplottable Telephone Esmt. per Bk. 70, Pg. 134, PCR *

LINE TABLE			LINE TABLE		
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L170	N00°25'03"W	18.49'	L195	N25°21'43"E	71.11'
L171	S89°34'57"W	20.00'	L196	N00°28'15"W	39.00'
L172	N00°25'03"W	40.01'	L197	N89°29'47"E	6.00'
L173	N89°34'57"E	20.00'	L198	N00°28'15"W	13.50'
L174	S00°25'03"E	40.01'	L199	N89°31'45"E	20.00'
L175	N00°25'03"W	45.50'	L200	N00°28'15"W	60.51'
L176	N00°25'03"W	67.89'	L201	N89°31'45"E	20.00'
L177	S89°29'47"W	111.06'	L202	N00°28'15"W	60.51'
L178	S89°29'47"W	61.03'	L203	N00°28'15"W	171.99'
L179	N00°30'13"W	20.00'	L204	S00°28'15"E	27.50'
L180	N89°29'47"E	61.03'	L205	S89°36'19"W	15.00'
L181	S00°30'13"E	20.00'	L206	N00°28'15"W	27.50'
L182	S89°29'47"W	4.00'	L207	N89°36'19"E	15.00'
L183	N00°30'13"W	55.00'	L208	S89°36'19"W	20.00'
L184	N89°29'47"E	4.01'	L209	N00°28'15"W	27.50'
L185	N00°29'35"W	55.00'	L210	N89°36'19"E	20.00'
L186	S89°29'47"W	85.68'	L211	N89°29'43"E	3.97'
L187	S00°28'48"E	20.00'	L221	N89°36'19"E	80.90'
L188	N89°29'47"E	9.61'	L222	S00°26'35"E	30.00'
L189	S00°30'13"E	35.00'	L223	S89°36'19"W	61.00'
L190	N89°29'47"E	76.07'	L224	N00°26'35"W	30.00'
L191	N89°29'47"E	71.01'	L225	N89°36'19"E	61.00'
L192	S89°29'47"W	71.00'	L226	N00°25'03"W	20.00'
L193	N00°30'13"W	20.00'	L227	N89°29'47"E	61.00'
L194	N89°29'47"E	123.78'	L228	S00°30'13"E	20.00'
			L229	S89°29'47"W	61.03'

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD DIR.	CHORD
C10	25.00'	39.31'	90°05'10"	25.04'	S45°27'38"E	35.38'
C11	573.00'	165.25'	16°31'27"	83.20'	S56°09'03"E	164.68'
C12	25.00'	39.26'	89°58'02"	24.99'	S44°30'46"W	35.35'

RECORD DATA:
R6: BOOK 25 OF MAPS & PLATS, PAGE 12

POINT DATA

Station is from Northern Avenue Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Descciption
1351	98+70.53	44.96 L	92850.7399	89638.1005	RB
1427	98+70.53	50.03 L	92850.7326	89633.0298	RB
1348	98+97.99	45.04 L	92878.2042	89637.7950	RB
1347	98+99.99	44.99 L	92880.2012	89637.8263	RB
1434	99+00.04	44.94 R	92880.9882	89727.7537	RB
1346	99+24.99	69.92 L	92904.9987	89612.6944	RB
1435	99+25.02	69.92 R	92906.1769	89752.5335	RB
300	100+00	0.00	92980.5795	89681.9953	BCF
1412	100+75.06	99.81 L	93054.9128	89581.6378	RB
1356	100+75.17	100.03 R	93056.4812	89781.4729	RB
1355	101+00.14	75.06 R	93081.2611	89756.3209	RB

POINT DATA

Station is from Magee Road Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Descciption
1337	462+46.28	74.97 L	93051.8445	89144.1448	RB
605	462+65.09	65.39 L	93042.4003	89163.0209	RB
1338	462+71.80	99.89 L	93076.9446	89169.4929	RB
2594	462+96.58	189.92 L	93167.1440	89193.6523	BCF
1341	463+21.84	99.98 L	93077.3759	89219.5264	RB
1342	463+46.81	74.96 L	93052.5281	89244.6670	RB
1345	463+53.97	75.15 L	92902.4677	89252.8627	AC
1343	465+21.92	75.05 L	93053.8254	89419.7751	RB
1412	466+83.79	75.02 L	93054.9128	89581.6378	RB
1346	467+13.81	75.10 R	92904.9987	89612.6944	RB
1347	467+38.77	100.07 R	92880.2012	89637.8263	RB
300	467+83.63	0.00	92980.5795	89681.9953	BCF
1434	468+28.51	99.99 R	92880.9882	89727.7537	RB
1435	468+53.51	75.02 R	92906.1769	89752.5335	RB
1355	468+58.84	100.02 L	93081.2611	89756.3209	RB
1356	468+83.77	75.02 L	93056.4812	89781.4729	RB
1375	470+54.33	75.10 R	92907.8574	89953.3458	RB
1357	470+58.63	74.89 L	93057.8837	89956.3253	RB
1396	470+99.11	74.99 L	93058.3408	89996.8072	RB

PARCEL DATA

(#)	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition		Drainage Esmt.		Slope Esmt.		Temp. Constr. Esmt.		Gross Area		Remainder Area	
							Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres
24	225-19-0740	Timothy P & Charlotte R Higdon CP/RS	12646	5508	8001 N. Northern Ave.	Tucson 85704	--	--	--	--	--	--	1,500	0.0344	--	--	--	--
25	225-14-1740	Vantage West Credit Union	10618	1926	550 W. Magee Rd.	Tucson 85704	--	--	--	--	--	--	7,996	0.1836	--	--	--	--
26	225-14-1780	Richard E. Curtis Family LLC	8091	715	490 W. Magee Rd.	Tucson 85704	--	--	--	--	--	--	1,220	0.0280	--	--	--	--
23	225-49-448A	MG Casa Lindas Apartments LLC	13001	105	699 W. Magee Rd.	Tucson 85704	--	--	--	--	--	--	1,830	0.0420	--	--	--	--
27	225-14-3880	Landmark Title TR. 18210T	13540	1760	--	Tucson 85704	--	--	--	--	--	--	515	0.0119	--	--	--	--
28	225-14-1960	City of Tucson	4771	399	7991 N. Northern Ave.	Tucson 85704	412	0.0095	--	--	--	--	550	0.0126	1,649	0.0379	1,237	0.0284
48	225-14-3870	Landmark Title TR. 18210T	13540	1760	--	Tucson 85704	--	--	--	--	--	--	953	0.0219	--	--	--	--
30	225-50-0040	HR Acquisition I Corp	12253	1886	551 W. Magee Rd.	Tucson 85704	--	--	857	0.0197	--	--	3,840	0.0882	--	--	--	--
31	225-50-005C	Weingarten Nostat Inc.	12975	5392	7951 & 7999 N. Oracle Rd.	Tucson 85704	--	--	--	--	--	--	5,352	0.1229	--	--	--	--
32	225-50-005B	Weingarten Nostat Inc.	12975	5392	7961, 7963, 7965, 7967 & 7969 N. Oracle Rd.	Tucson 85704	--	--	308	0.0071	--	--	1,692	0.0389	--	--	--	--

Revision Description | Date
WDC/JDB/BGN | 12 2011
JK | 12 2011
GM | 12 2011
AH | 12 2011

Designed
Drawn
Checked
Proj. Eng.

Revision Description | Date
Engineer

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

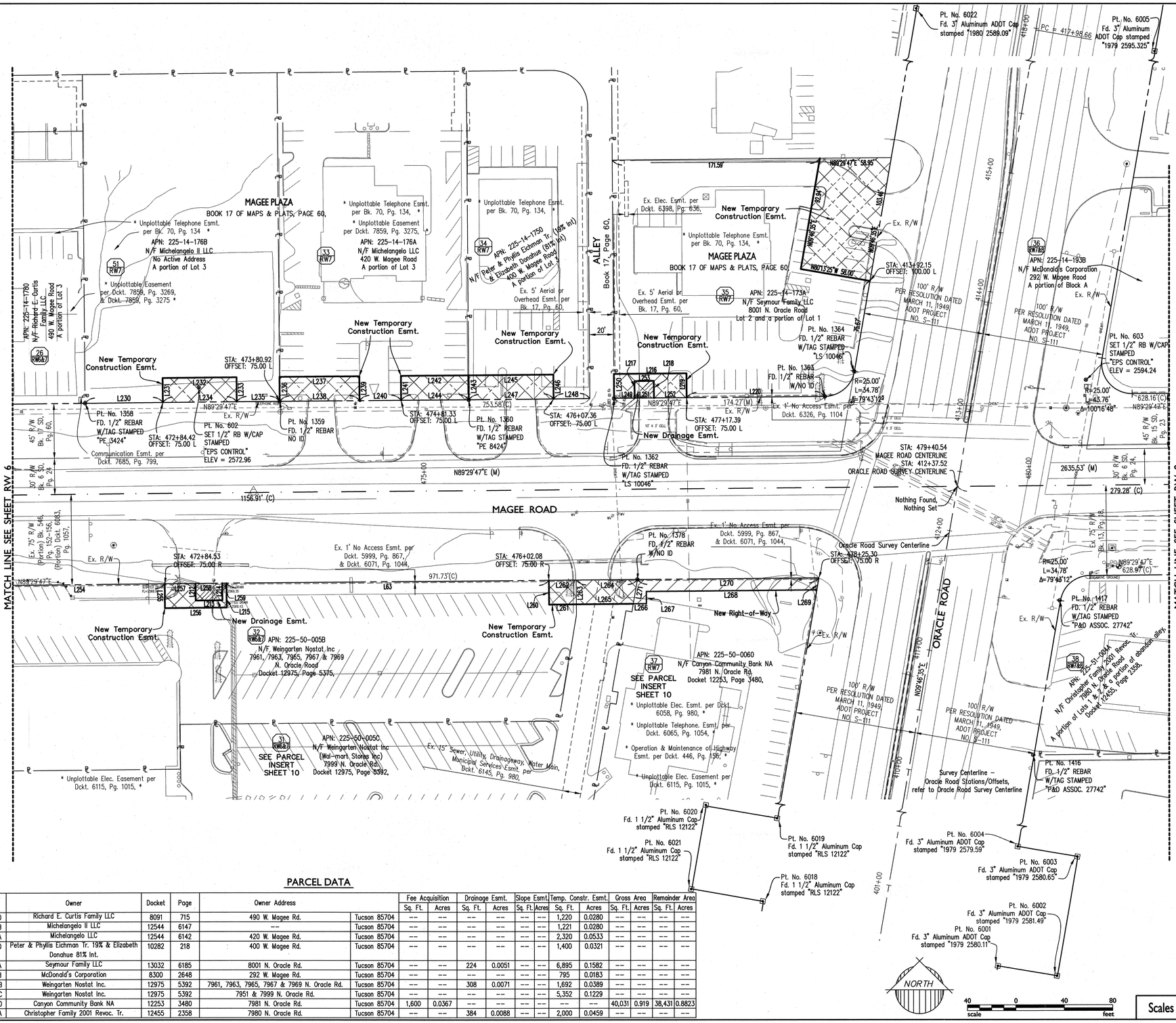
Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

REGISTERED LAND SURVEYOR
48225
JOE KRAFT
ARIZONA U.S.A.
EXPIRES: 9.30.2014

eps group, inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Scales		Sheet	Page
	Horiz. 1" = 40'	RW 6 of RW 10	253 of 273
	Vert. 1" = N/A		

10-077



LINE TABLE

LINE	BEARING	DISTANCE
L63	N89°29'47"E	266.54'
L212	N00°30'13"W	14.00'
L213	N89°29'47"E	22.00'
L214	N00°30'13"W	14.00'
L215	N00°30'13"W	20.00'
L216	N89°29'47"E	60.00'
L217	N00°30'13"W	14.00'
L218	N00°30'13"W	14.00'
L219	N00°30'13"W	20.00'
L220	N89°29'47"E	114.24'
L230	N89°29'47"E	64.28'
L231	N00°30'13"W	20.00'
L232	N89°29'47"E	61.03'
L233	S00°30'13"E	20.00'
L234	S89°29'47"W	61.03'
L235	N89°29'47"E	35.47'
L236	N00°25'03"W	20.00'
L237	N89°29'47"E	66.00'
L238	S89°29'47"W	66.03'
L239	S00°30'13"E	20.00'
L240	N89°29'47"E	34.38'
L241	N00°30'13"W	20.00'
L242	N89°29'47"E	56.03'
L243	N00°25'03"W	20.00'
L244	S89°29'47"W	56.00'
L245	N89°29'47"E	70.00'
L246	S00°30'13"E	20.00'
L247	S89°29'47"W	70.03'
L248	N89°29'47"E	30.00'
L249	N89°29'47"E	17.00'
L250	N00°25'03"W	20.00'
L251	N89°29'47"E	16.00'
L252	N89°29'47"E	27.03'
L253	N89°29'47"E	16.00'
L254	N89°29'47"E	140.50'
L255	N00°30'13"W	20.00'
L256	N89°29'47"E	51.00'
L257	N89°29'47"E	25.47'
L258	N89°29'47"E	22.00'
L259	N89°29'47"E	3.54'
L260	N00°30'13"W	20.00'
L261	N89°29'47"E	22.60'
L262	N89°29'47"E	22.60'
L263	S00°29'35"E	20.00'
L264	N89°29'47"E	50.63'
L265	N89°29'47"E	47.00'
L266	N89°29'47"E	10.90'
L267	N00°28'15"W	10.00'
L268	N89°29'47"E	140.91'
L269	N09°46'35"E	10.16'
L270	N89°29'47"E	150.00'
L271	N09°46'35"E	20.33'

POINT DATA

Station is from Magee Road Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Description
1358	472+20.19	75.05 L	93059.4635	90117.8825	RB
602	473+14.25	86.80 L	93072.0423	90211.8329	RB
1359	473+80.88	75.00 L	93060.8244	90278.5597	RB
1360	475+37.29	74.94 L	93062.1369	90434.9693	RB
1362	476+57.36	74.91 L	93063.1640	90555.0362	RB
1378	476+75.25	74.94 R	92913.4800	90574.2434	RB
1363	478+31.70	74.95 L	93064.7382	90729.3712	RB
1364	478+56.08	95.49 L	93085.4881	90753.5617	RB
1417	480+24.24	95.36 R	92896.1286	90923.3948	RB
603	480+47.58	86.80 L	93078.4862	90945.1380	RB

POINT DATA

Station is from Oracle Road Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Description
6002	400+49.60	150.08 R	91794.5874	90785.0402	AC
6001	400+49.61	100.07 R	91803.0950	90735.7603	AC
6021	400+69.41	160.03 L	91866.7680	90482.8050	RB
6018	400+69.58	100.10 L	91856.7590	90541.8882	RB
6019	401+39.45	100.05 L	91925.6137	90553.8080	RB
6020	401+40.43	159.97 L	91936.7505	90494.9208	RB
6003	401+49.55	150.04 R	91893.0979	90801.9729	AC
6004	401+49.60	100.02 R	91901.6398	90752.6918	AC
1416	410+29.42	99.27 R	92768.8111	90901.3462	RB
1417	411+58.63	99.38 R	92896.1286	90923.3948	RB
1363	412+91.85	120.46 L	93064.7382	90729.3712	RB
1364	413+16.40	100.14 L	93085.4881	90753.5617	RB
603	413+42.03	89.84 R	93078.4862	90945.1380	RB
6005	417+98.18	99.98 R	93526.2834	91032.5861	AC
6022	417+98.67	99.98 L	93560.7222	90835.6135	AC

PARCEL DATA

#	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition Sq. Ft.	Fee Acquisition Acres	Drainage Esmt. Sq. Ft.	Drainage Esmt. Acres	Slope Esmt. Sq. Ft.	Slope Esmt. Acres	Temp. Constr. Esmt. Sq. Ft.	Temp. Constr. Esmt. Acres	Gross Area Sq. Ft.	Gross Area Acres	Remainder Area Sq. Ft.	Remainder Area Acres
26	225-14-1780	Richard E. Curtis Family LLC	8091	715	490 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,220	0.0280	---	---	---	---
51	225-14-176B	Michelangelo II LLC	12544	6147	--	Tucson 85704	---	---	---	---	---	---	1,221	0.0280	---	---	---	---
33	225-14-176A	Michelangelo LLC	12544	6142	420 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	2,320	0.0533	---	---	---	---
34	225-14-1750	Peter & Phyllis Eichman Tr. 19% & Elizabeth Donahue 81% Int.	10282	218	400 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,400	0.0321	---	---	---	---
35	225-14-173A	Seymour Family LLC	13032	6185	8001 N. Oracle Rd.	Tucson 85704	---	---	224	0.0051	---	---	6,895	0.1582	---	---	---	---
36	225-14-193B	McDonald's Corporation	8300	2648	292 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	795	0.0183	---	---	---	---
32	225-50-005B	Weingarten Nostat Inc.	12975	5392	7961, 7963, 7965, 7967 & 7969 N. Oracle Rd.	Tucson 85704	---	---	308	0.0071	---	---	1,692	0.0389	---	---	---	---
31	225-50-005C	Weingarten Nostat Inc.	12975	5392	7951 & 7999 N. Oracle Rd.	Tucson 85704	---	---	---	---	---	---	5,352	0.1229	---	---	---	---
37	225-50-0060	Canyon Community Bank NA	12253	3480	7981 N. Oracle Rd.	Tucson 85704	1,600	0.0367	---	---	---	---	---	---	40,031	0.919	38,431	0.8823
38	225-51-004A	Christopher Family 2001 Revoc. Tr.	12455	2358	7980 N. Oracle Rd.	Tucson 85704	---	---	384	0.0088	---	---	2,000	0.0459	---	---	---	---

Revision Description	Date
MDC/JDB/BSN	12 2011
JK	12 2011
GM	12 2011
AH	12 2011

Designed
Drawn
Checked
Proj. Eng.

Engineer

Date

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

48225 JOE KRAFT REGISTERED LAND SURVEYOR — ARIZONA U.S.A. — EXPIRES: 9.30.2014

eps group, inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Scales | Horiz. 1" = 40' | Vert. 1" = N/A | Sheet RW 7 of RW 10 | Page 254 of 273

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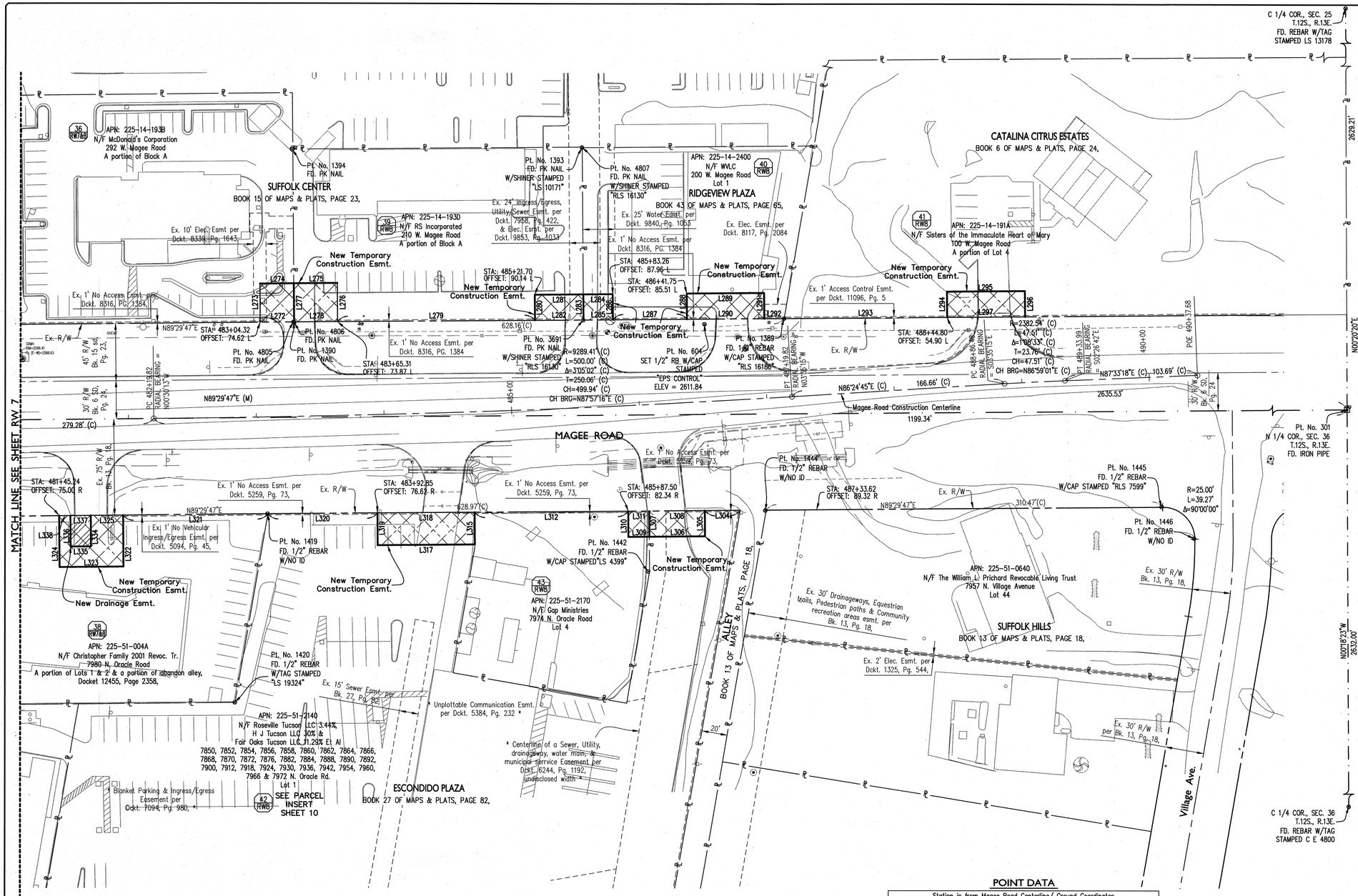


LINE TABLE		
LINE	BEARING	DISTANCE
L272	S89°29'47"W	26.51'
L273	N00°30'13"W	30.00'
L274	N89°29'47"E	26.50'
L275	N89°29'47"E	34.01'
L276	S00°30'13"E	30.00'
L277	N00°31'13"W	30.00'
L278	S89°29'47"W	34.00'
L279	N89°29'47"E	154.57'
L280	N00°30'13"W	20.00'
L281	N89°29'47"E	38.00'
L282	S89°29'47"W	38.01'
L283	N00°31'13"W	20.00'
L284	N89°29'47"E	23.01'
L285	S89°29'47"W	23.00'
L286	S00°30'13"E	20.00'
L287	N89°29'47"E	57.99'
L288	N00°30'13"W	20.00'
L289	N89°29'47"E	60.51'
L290	S89°29'47"W	60.51'
L291	S00°30'13"E	20.00'
L292	N89°29'47"E	15.65'
L293	N89°29'47"E	127.56'
L294	N00°30'13"W	20.00'
L295	N89°29'47"E	61.00'
L296	S00°30'13"E	20.00'
L297	S89°29'47"W	61.00'
L304	S89°29'47"W	27.74'
L305	S00°30'13"E	20.00'
L306	S89°29'47"W	43.59'
L307	N00°30'17"W	20.00'
L308	N89°29'47"E	43.59'
L309	S89°29'47"W	16.41'
L310	N00°30'13"W	20.00'
L311	N89°29'47"E	16.41'
L312	N89°29'47"E	120.27'
L315	S00°30'17"E	25.00'
L317	S89°29'47"W	76.13'
L318	N89°29'47"E	76.13'
L319	N00°30'13"W	25.00'
L320	S89°29'47"W	85.70'
L321	S89°29'47"W	113.32'
L322	S00°30'13"E	40.00'
L323	S89°29'47"W	50.00'
L324	N00°30'13"W	40.00'
L325	N89°29'47"E	25.24'
L334	N00°30'13"W	24.00'
L335	N89°29'47"E	16.00'
L336	N00°30'13"W	24.00'
L337	N89°29'47"E	16.00'
L338	N89°29'47"E	8.76'

PARCEL DATA

#	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition Sq. Ft.	Fee Acquisition Acres	Drainage Esmt. Sq. Ft.	Drainage Esmt. Acres	Slope Esmt. Sq. Ft.	Slope Esmt. Acres	Temp. Constr. Esmt. Sq. Ft.	Temp. Constr. Esmt. Acres	Gross Area Sq. Ft.	Gross Area Acres	Remainder Area Sq. Ft.	Remainder Area Acres
36	225-14-193B	McDonald's Corporation	8300	2648	292 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	795	0.0183	---	---	---	---
39	225-14-193D	R S Incorporated	10059	735	210 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,780	0.0408	---	---	---	---
40	225-14-2400	WVLC	12903	4501	200 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,670	0.0383	---	---	---	---
41	225-14-191A	Sisters of the Immaculate Heart of Mary	2146	575	100 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	1,220	0.0280	---	---	---	---
38	225-51-004A	Christopher Family 2001 Revoc. Tr.	12455	2358	7980 N. Oracle Rd.	Tucson 85704	---	---	384	0.0088	---	---	2,000	0.0459	---	---	---	---
42	225-51-2140	Roseville Tucson 3.44% H J Tucsin LLC 30% & Fair Oaks Tucson LLS 11.29% ET AL	12531	522	7850, 7852, 7854, 7856, 7858, 7860, 7862, 7864, 7866, 7868, 7870, 7872, 7876, 7882, 7884, 7888, 7890, 7892, 7900, 7912, 7918, 7924, 7930, 7936, 7942, 7954, 7960, 7966 & 7972 N. Oracle Rd.	Tucson 85704	---	---	---	---	---	---	2,775	0.0637	---	---	---	---
43	225-51-2170	Gap Ministries	13452	720	7974 N. Oracle Rd.	Tucson 85704	---	---	---	---	---	---	328	0.0075	---	---	---	---

POINT DATA

Station is from Magee Road Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Description
1420	482+80.12	222.71 R	92771.2423	91181.8290	RB
1419	483+07.60	75.44 R	92918.9600	91207.2795	RB
4805	483+30.54	74.33 L	93069.1513	91227.2996	PK NAIL
1390	483+30.99	74.33 L	93069.1611	91227.7440	PK NAIL
4806	483+31.06	73.76 L	93068.5886	91227.8289	PK NAIL
1394	483+32.21	209.28 L	93204.1086	91226.1401	PK NAIL
3691	485+59.11	68.77 L	93071.0813	91454.1650	PK NAIL
1393	485+64.09	203.40 L	93205.7921	91452.9327	PK NAIL
4807	485+64.10	203.67 L	93206.0605	91452.9304	PK NAIL
1442	486+00.76	130.05 R	92874.4717	91505.3531	RB
604	486+54.43	60.78 L	93067.8774	91549.1025	RB
1444	486+93.78	87.50 R	92922.1093	91596.9871	RB
1389	487+17.36	61.73 L	93072.5077	91611.4466	RB
1445	490+05.55	101.78 R	92925.3434	91907.3627	RB
1446	490+29.89	127.35 R	92900.8371	91932.7703	RB
301	N/A	N/A	93003.7462	92317.4214	IP

NORTH

40 0 40 80
scale feet

Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation

Revision Description	Date
Designed MDC/JDB/BGN	12 2011
Drawn JK	12 2011
Checked GM	12 2011
Proj. Eng. AH	12 2011

Engineer Date
Revision Description

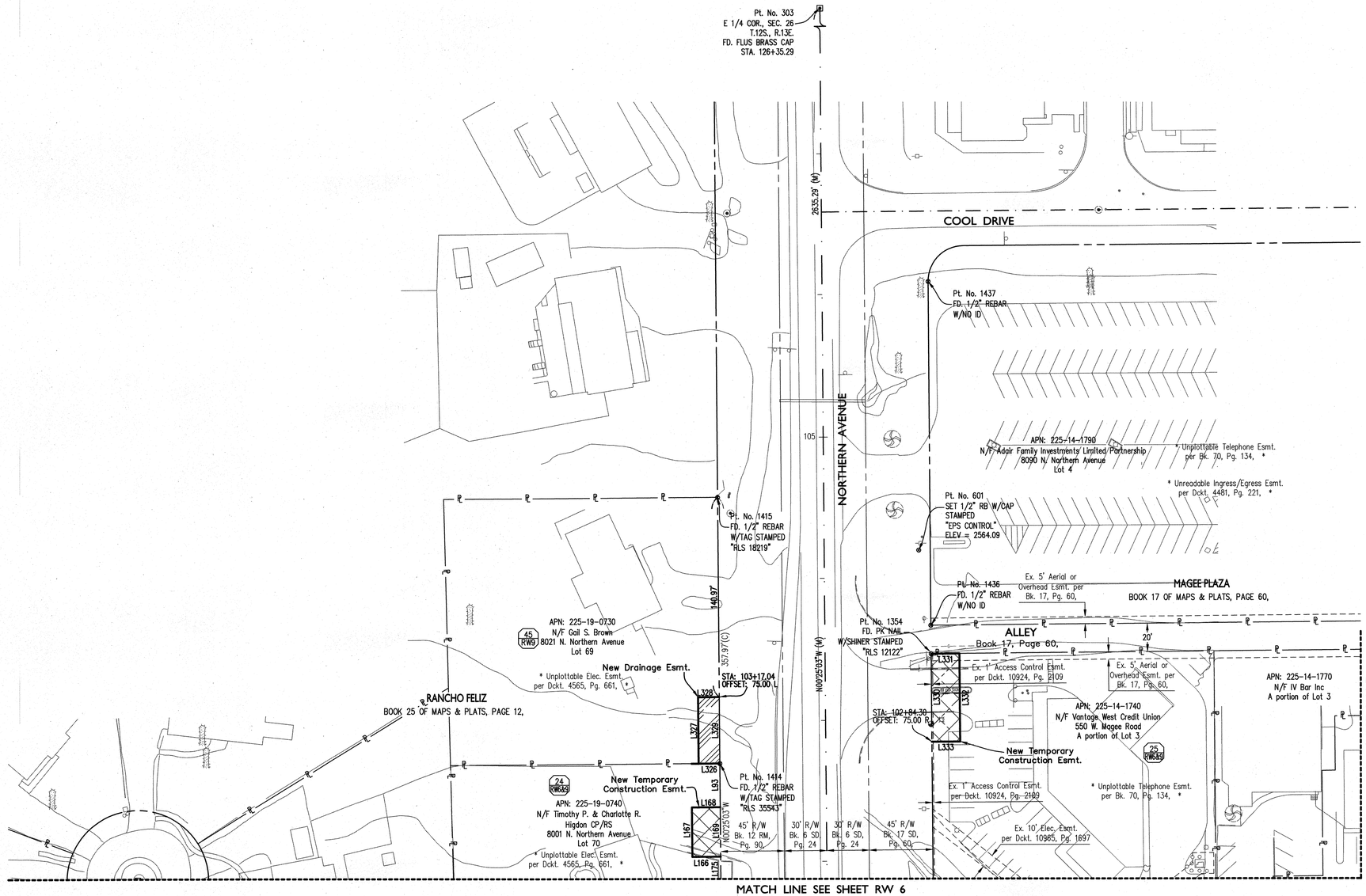
REGISTERED LANDSCAPE ARCHITECT 48225 JOE KRAFT ARIZONA U.S.A. EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

Scales	Horiz. 1" = 40' / Vert. 1" = N/A	Sheet RW 8 of RW 10	Page 255 of 273

10-077



LINE TABLE		
LINE	BEARING	DISTANCE
L93	N00°25'03"W	31.00'
L166	S89°34'57"W	20.00'
L167	N00°25'03"W	35.00'
L168	N89°34'57"E	20.00'
L169	S00°25'03"E	35.00'
L326	S89°37'19"W	15.00'
L327	N00°25'03"W	47.00'
L328	N89°37'19"E	15.00'
L329	S00°25'03"E	47.00'
L330	N00°25'03"W	62.00'
L331	N89°29'47"E	20.00'
L332	S00°25'03"E	62.03'
L333	S89°34'57"W	20.00'

POINT DATA

Station is from Northern Avenue Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Description
1414	102+69.93	74.91 L	93249.9535	89605.1212	RB
1354	103+46.20	75.04 R	93327.3219	89754.5152	PK NAIL
1436	103+66.29	74.97 R	93347.4013	89754.2972	RB
601	104+19.34	66.86 R	93400.3975	89745.8016	RB
1415	104+57.91	74.97 L	93437.9309	89603.6905	RB
1437	106+08.73	75.08 R	93589.8410	89752.6363	RB
303	126+35.29	0	95615.8040	89662.7963	BCF

PARCEL DATA

#	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition		Drainage Esmt.		Slope Esmt.		Temp. Constr. Esmt.		Gross Area		Remainder Area	
							Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres	Sq. Ft.	Acres
24	225-19-0740	Timothy P & Charlotte R Higdon CP/RS	12646	5508	8001 N. Northern Ave.	Tucson 85704	---	---	---	---	---	---	1,500	0.0344	---	---	---	---
45	225-19-0730	Gail S. Brown	10745	3072	8021 N. Northern Ave.	Tucson 85704	---	---	705	0.0162	---	---	---	---	---	---	---	---
25	225-14-1740	Vantage West Credit Union	10618	1926	550 W. Magee Rd.	Tucson 85704	---	---	---	---	---	---	7,996	0.1836	---	---	---	---

NORTH

40 0 40 80
scale feet

Priscilla S. Cornelio, P.E., Director

Revision Description	Date

Designed	
Drawn	
Checked	
Proj. Eng.	

Revision Description	Date
MDC/JDB/BGN	12 2011
JK	12 2011
GM	12 2011
AH	12 2011

Engineer

Date

REGISTERED LAND SURVEYOR
48225
JOE
KRAFT
ARIZONA U.S.A.
EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

Scales | Horiz. 1" = 40' | Vert. 1" = N/A | Sheet RW 9 of RW 10 | Page 256 of 273

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MATCH LINE SEE SHEET RW 5

MATCH LINE SEE SHEET RW 6

PLACITA CAMPOS DE ADOBES

See Detail A, this Sheet

12.5'

12.5'

APN: 225-14-3870
N/F Landmark Title
Tr. 18210-T
Common Area A

48 RW8&10

Ex. 6' PUPE per Bk. 60, Pg. 67,

Sign Esmt. per Bk. 60, Pg. 67

APN: 225-14-3670
N/F Landmark Title
Tr. 18210-T
621 W. Placita Campo De Adobes
Lot 1

49 RW10

CAMPOS ADOBES
BOOK 60 OF MAPS & PLATS, PAGE 67,

PT. No. 1425
Fd. Tag on top of Wall

PT. No. 1426
Fd. PK Nail w/tag stamped "RLS 22245"

Ex. 1' No Access Esmt. per Dckt. 7925, Pg. 979

APN: 225-49-448A
699 W. Magee Road
N/F MG Casa Linda Apartments LLC

23 RW5,6 &10

Ex. 1' No Access Esmt. per Dckt. 7925, Pg. 979

Ex. 40' Drainage Esmt. per Bk. 15, Pg. 30,

15' R/W
Bk. 20 RM, Pg. 34,

CASAS LINDAS ADDITION, BLOCK 1
BOOK 39 OF MAPS & PLATS, PAGE 66,

Ex. 32' Water Utilities Esmt., per Dckt. 7494, Pg. 1147,

RECORD DATA:
RB: BOOK 39 OF MAPS & PLATS, PAGE 66

30' R/W
Bk. 6 SD, Pg. 24,

860.83'(C)

2640.90' (M)

N00°28'15"W

95

Ex. R/W

Ex. 45' R/W
Bk. 20 RM, Pg. 34,

NORTHERN AVENUE

2261.51' (M)

N00°28'15"W (M)

Ex. R/W

90

Pt. No. 310
E 1/4 COR., SEC. 35
T.12S., R.13E.
FD. FLUSH ALUMINUM CAP
STA. 73+59.10

Pt. No. 4077
FD. FLUSH BC
STA: 96+20.61

421.69'(C)

L350

L353

L351

L352

L354

STA: 95+54.53
OFFSET: 45.00 R

Pt. No. 600
SET 1/2" RB W/CAP
STAMPED
"EPS CONTROL"
ELEV = 2556.54

New Temporary Construction Esmt.

Ex. 5' Slope Esmt. per Dckt. 6212, Pg. 894,

Ex. 15' Sewer, Utility, Drainageway, Water Main, Municipal Services Esmt. per Dckt. 6145, Pg. 980,

30 RW8&10

APN: 225-50-0040
N/F HR Acquisition I Corp
551 W. Magee Road
Docket 12253, Page 1886,

31 RW6&7

SEE PARCEL INSERT SHEET 10

APN: 225-50-005C
N/F Weingartern Nostat Inc
(Wal-mart Stores Inc)
Docket 12975, Page 5392,

APN: 225-14-3830
N/F White Family Partnership
7954 N. Placita Marquitos
Lot 17

860.83'(C)

NORTH

New Temporary Construction Esmt.

C16

L339
STA: 96+41.70
OFFSET: 45.00 L

L341

L340

APN: 225-14-3880
N/F Landmark Title
Tr. 18210-T
Common Area B

27 RW8&10

48 RW8&10

APN: 225-14-3870
N/F Landmark Title
Tr. 18210-T
Common Area A

L343

L345

STA: 96+04.16
OFFSET: 45.00 L

C18

C19

APN: 225-14-3880
N/F Landmark Title
Tr. 18210-T
Common Area B

27 RW8&10

C17

L348

L349

L344

L346

L347

STA: 95+83.56
OFFSET: 45.00 L

STA: 95+83.57
OFFSET: 50.00 L

APN: 225-14-3670
N/F Landmark Title
Tr. 18210-T
621 W. Placita Campo De Adobes
Lot 1

49 RW10

135.96' (R)

N00°28'15"W

Detail 'A'
Scale: 1"=20'

LINE TABLE		
LINE	BEARING	LENGTH
L339	N89°36'19"E	5.00
L340	S00°28'15"E	4.54
L341	N89°36'19"E	15.00
L343	N00°28'15"W	57.55
L344	N00°28'15"W	0.59
L345	S00°28'15"E	33.00
L346	S89°36'19"W	15.00
L347	S89°36'19"W	5.00
L348	S00°28'15"E	20.60
L349	S00°28'15"E	15.87
L350	N89°31'45"E	20.00
L351	N00°28'15"W	60.51
L352	N89°31'45"E	20.00
L353	N00°28'15"W	60.51
L354	N00°28'15"W	76.18

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD DIR.	CHORD
C16	19.50'	6.79'	19°57'53"	3.43'	S48°10'05"E	6.76'
C17	42.50'	20.03'	27°00'13"	10.20'	N44°51'10"E	19.85'
C18	19.50'	1.58'	4°39'00"	0.79'	N33°40'34"E	1.58'
C19	19.50'	6.91'	20°18'58"	3.49'	S46°09'33"W	6.88'

POINT DATA

Station is from Northern Avenue Centerline/ Ground Coordinates

Pt. No.	Station	OffSet	Northing	Easting	Description
310	73+59.10	0.00	90339.7650	89703.6979	AC
1426	94+76.92	44.95 L	92448.1529	89641.4149	PK NAIL
1425	94+67.98	49.94 R	92448.1529	89641.4149	TAG
1433	94+77.89	45.00 R	92458.8609	89731.2850	AC
600	95+33.86	59.53 R	92514.9409	89745.3584	RB
4077	96+20.46	0.09 R	92601.0483	89685.2014	BCF

NORTH

40 0 40 80
scale feet

PARCEL INSERT

37 RW7

31 RW6&7

42 RW8

PARCEL DATA

#	Tax Code	Owner	Docket	Page	Owner Address		Fee Acquisition Sq. Ft.	Fee Acquisition Acres	Drainage Esmt. Sq. Ft.	Drainage Esmt. Acres	Slope Esmt. Sq. Ft.	Slope Esmt. Acres	Temp. Constr. Esmt. Sq. Ft.	Temp. Constr. Esmt. Acres	Gross Area Sq. Ft.	Gross Area Acres	Remainder Area Sq. Ft.	Remainder Area Acres
48	225-14-3870	Landmark Title TR. 18210T	13540	1760	--	Tucson 85704	--	--	--	--	--	--	953	0.0219	--	--	--	--
49	225-14-3670	Landmark Title TR. 18210T	13540	1760	621 W. Placita Campo De Adobes	Tucson 85704	--	--	--	--	--	--	105	0.0024	--	--	--	--
27	225-14-3880	Landmark Title TR. 18210T	13540	1760	--	Tucson 85704	--	--	--	--	--	--	106	0.0024	--	--	--	--
30	225-50-0040	HR Acquisition I Corp	12253	1886	551 W. Magee Rd.	Tucson 85704	--	--	857	0.0197	--	--	3,840	0.0882	--	--	--	--

Revision Description	Date
Designed MDC/JDB/BGN	12 2011
Drawn JK	12 2011
Checked GM	12 2011
Proj. Eng. AH	12 2011

Engineer Date

Revision Description

Priscilla S. Cornelio, P.E., Director

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
48225
JOE KRAFT
ARIZONA U.S.A.
EXPIRES: 9.30.2014

eps group, Inc.
Engineers, Planners & Surveyors
2045 S. Vineyard, Ste. 101, Mesa, Arizona 85210
Phone (480) 503-2250 Fax (480) 503-2258

Pima County Department of Transportation

Right of Way Plans
Magee Road
La Canada to Oracle Road
Project No. 4MRLCO

Scales		Sheet	Page
	Horiz. 1" = 40'	RW 10 of RW 10	257 of 273
	Vert. 1" = N/A		

MAGEE ROAD

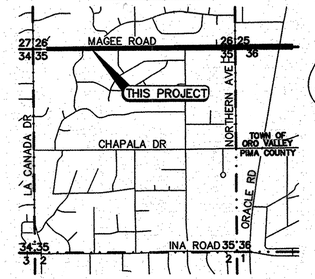
LA CANADA DRIVE TO ORACLE ROAD

PCDOT NO. 4MRLCO

WATER SYSTEM MODIFICATIONS

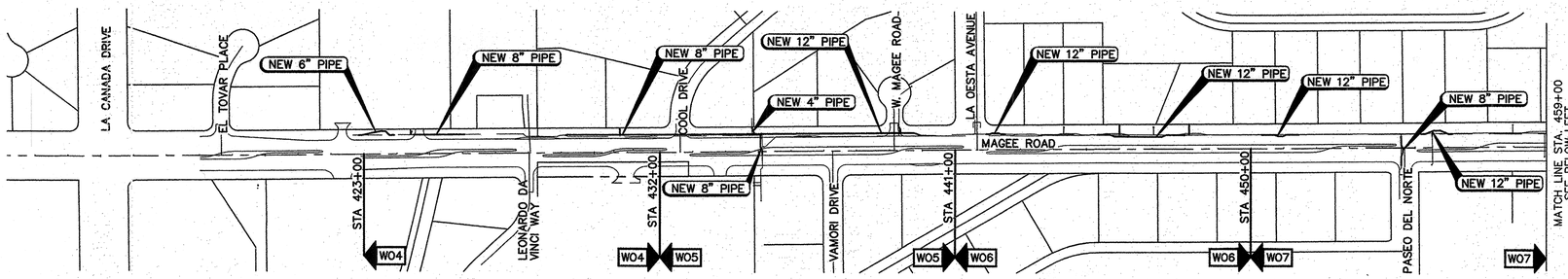
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	258	273	

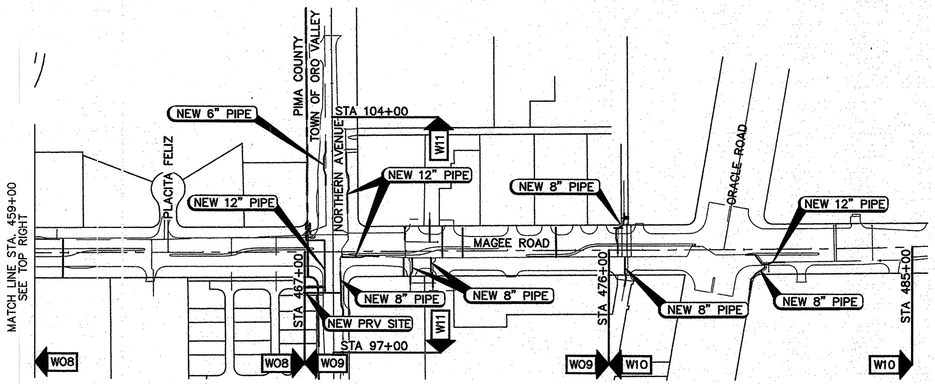
SS693 01C



LOCATION MAP

A PORTION OF SECTIONS 25, 26, 35 & 36, T12S, R13E, G&SRM, PIMA COUNTY, ARIZONA
LATITUDE: 32°21'07" LONGITUDE: 110°58'43"
SCALE: 3"= 1 MILE





SHEET INDEX PLAN

SCALE: 1"=200'

FOR ACCEPTANCE CONDITIONS, SEE THE WATER SYSTEM MODIFICATION NOTES. NOTE 1, SHEET W02 OF W18.

CITY OF TUCSON, WATER DEPARTMENT — DATE 11/21/2012

CONTENTS

PAGE	SHEET NO.	DESCRIPTION
258	W01	COVER SHEET
259	W02	GENERAL NOTES
260	W03	MATERIAL QUANTITY TABLE
261–269	W04–W12	PLAN & PROFILE SHEETS
270–271	W13–W14	LATERAL LINE PROFILES
272–273	W15–W16	PRV DETAIL SHEETS
273a–273b	W17–W18	TUCSON WATER DETAILS

INSPECTOR'S COPY

INSPCT. _____
CONTR. _____
START _____ FINAL _____
PIPE _____ DI☐ PE☐ PVC☐
SVC LINE MAT _____
B.F.'S _____
GATES _____
F.H.'S BRAND _____ MAT _____
MAGNETIC TAPE INST YES☐ NO☐
REBAR RINGS INST YES☐ NO☐
ZONE _____ PSI _____

MAPPING INFO

1"=200' _____ ON _____
checked _____ date _____
ALL VALVES WERE INSTALLED PER PLAN.
Signature _____
Date _____

Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation

No.	Revision Description	Engineer	Date

Designed SHM 11/12
Drawn SHM 11/12
Checked AJH 11/12
Proj. Engr. AJH 11/12

eps group, inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85741
Phone (520) 408-1459 Fax (520) 408-1480

Arizona Blue Stake, Inc. 1-800-782-5348

WATER SYSTEM MODIFICATION PLANS
MAGEE RD.
LA CANADA DR. – ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CANADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Plan No. 5-006-2012

Scale: N/A Horiz. N/A Vert.

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_01-COVER.dwg Nov 20, 2012 – 3:00:49pm

WATER SYSTEM MODIFICATION NOTES

1. **ACCEPTANCE CONDITIONS:**
   A. THIS PROJECT IS A ACCPETED BY THE CITY OF TUCSON WATER DEPARTMENT FOR SUBSTANTIAL CONCURRANCE WITH STANDARD SPECIFICATIONS AND DETAILS.
   B. ACCEPTANCE OF THESE PLANS IS VALID FOR 2 YEARS AFTER THE DATE OF THE SIGNATURE.
   C. THE WARRANTEE AND GUARANTEE DURATION FOR ALL WATER WORK ON THIS PROJECT SHALL BE TWO (2) YEARS COMMENCING ON THE DATE OF FINAL ACCEPTANCE OF THE ROADWAY AGENCY IMPROVEMENTS PROJECT.
2. **CURRENT STANDARDS:**
   ALL WATER SYSTEM MODIFICATION CONSTRUCTION WORK SHALL CONFORM TO THE FOLLOWING STANDARDS AND SPECIAL PROVISIONS:
   A. THE PIMA COUNTY / CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, 2003 EDITION.
   B. THE WATER SYSTEM WATER MODIFICATIONS SPECIAL PROVISIONS FOR THIS PROJECT.
3. **WATER SYSTEM MODIFICATION PRE CONSTRUCTION PROCEDURE:**
   A. THE CONTRACTOR SHALL CONTACT THE CITY OF TUCSON WATER DEPARTMENT, CONSTRUCTION SECTION (791-2665), A MINIMUM OF THREE (3) CALENDAR DAYS PRIOR TO ANY WATER WORK. THE CONTRACTOR SHALL REFER TO THE CITY OF TUCSON WATER DEPARTMENT PLAN NO. 5-006-2012.
   B. THE CITY OF TUCSON WATER DEPARTMENT CONSTRUCTION SECTION WILL SCHEDULE THE TIME AND PLACE FOR THE MEETING.
   C. NO WATER SYSTEM CONSTRUCTION SHALL BEGIN UNTIL A "NOTICE TO PROCEED" HAS BEEN ISSUED BY THE CITY OF TUCSON WATER DEPARTMENT.
   D. ANY WATER WORK INSTALLED PRIOR TO THE NOTICE TO PRODEED DATE SHALL BE REMOVED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
4. **SHUT DOWN OF TRANSMISSION MAINS:**
   A. THE TWELVE INCH (12") WATERLINE ALONG MAGEE ROAD IS THE SOLE SOURCE WATER SUPPLY FOR TUCSON WATER CUSTOMERS IN THIS AREA. SHUT-DOWN OF THE 12" WATERLINE WILL ONLY BE ALLOWED DURING OVER NIGHT. ALL TIE-OVERS, RECONNECTIONS, ETC. REQUIRED FOR WATERLINE SHUT-DOWN SHOULD OCCUR OVER NIGHT OR WITH PRIOR APPROVAL OBTAINED IN WRITING FROM TUCSON WATER. CONTRACTOR SHALL NOTIFY TUCSON WATER MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO SHUT DOWN OF 12" WATERLINE ALONG MAGEE ROAD.
   B. CONSTRUCTION ON THE TWELVE INCH (12") MAIN(S) SHALL TAKE PLACE ONLY IN THE OFF PEAK SEASON BETWEEN OCTOBER 1 AND MARCH 30 UNLESS PRIOR APPROVAL HAS BEEN OBTAINED IN WRITING FROM TUCSON WATER.
   C. THE CONTRACTOR SHALL BE ALLOWED A MAXIMUM OF FIVE (5) CALENDAR DAYS DOWN TIME FOR ANY ONE SHUT-DOWN UNLESS PRIOR APPROVAL HAS BEEN OBTAINED IN WRITING FROM TUCSON WATER.
   D. MULTIPLE SHUT-DOWNS WILL BE ALLOWED WITH A MINIMUM OF TWO (2) CALENDAR DAYS BETWEEN SHUT-DOWNS UNLESS PRIOR APPROVAL HAS BEEN OBTAINED IN WRITING FROM TUCSON WATER.
5. **DIMENSIONS SLOPES AND GRADES:**
   ALL DIMENSIONS, SLOPES AND GRADES OF EXISTING WATER LINES ARE TAKEN FROM "AS-BUILT" DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT INFORMATION BEFORE ORDERING ANY SPECIAL FITTINGS OR EQUIPMENT.
6. **SHUT-DOWN OF DISTRIBUTION MAINS:**
   SHUT-DOWN OF THE EXISTING WATER SYSTEM REQUIRING THE OPERATION OF TUCSON WATER VALVES SHALL BE COORDINATED THROUGH A CITY OF TUCSON WATER DEPARTMENT CONSTRUCTION INSPECTOR.
7. **DEPTH OF NEW WATER MAINS:**
   A. NEW WATER MAINS SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET (3.0') FROM THE BOTTOM OF ANY EXCAVATION OR SCARIFICATION TO THE TOP OF THE NEW PIPE. THIS DEPTH SHALL BE MAINTAINED FOR FIVE FEET (5.0') BEYOND ANY EXCAVATION, MEASURED PERPENDICULAR TO THE PROPOSED STRUCTURE OR EDGE OF THE PROPOSED ROADWAY.
   B. IN NO CASE SHALL NEW WATER MAINS BE INSTALLED LESS THAN FIVE FEET (5') DEEP FROM THE FINISHED GRADE TO THE TOP OF THE NEW PIPE UNLESS OTHERWISE SHOWN ON THE PLANS.
   C. THESE MINIMUMS SHALL APPLY TO ALL WATER MAINS UNLESS OTHERWISE NOTED ON THESE PLANS.
8. **DEPTH OF NEW SERVICE LINES:**
   A. NEW SERVICE LINES, TWO INCH (2") AND SMALLER, SHALL BE INSTALLED AT THE MINIMUM DEPTH OF TWO FEET (2.0') FROM THE BOTTOM OF ANY EXCAVATION OR SCARIFICATION TO THE TOP OF THE NEW SERVICE LINE. THIS DEPTH SHALL BE MAINTAINED FOR FIVE FEET (5.0') BEYOND ANY EXCAVATION, MEASURED PERPENDICULAR TO THE PROPOSED STRUCTURE OR EDGE OF THE PROPOSED ROADWAY.
   B. IN NO CASE SHALL NEW SERVICE LINES BE INSTALLED LESS THAN THREE FEET (3.0') DEEP FROM THE FINISHED GRADE TO THE TOP OF THE NEW SERVICE LINE.
   C. THESE MINIMUMS SHALL APPLY TO ALL SERVICE LINES UNLESS OTHERWISE NOTED ON THE PLANS.
9. **WATER METERS AND METER BOXES:**
   THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METERS AND METER BOXES IN THE CONSTRUCTION AREA. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
   A. REMOVAL OF EXISTING METERS, REPLACEMENT COORDINATION AND INSTALLATION OF THE NEW AUTOMATIC METER READING (AMR) WATER METERS.
   B. DURING THIS OPERATION, EXISTING METERS SHALL BE TAGGED WITH THE CORRECT ADDRESS AND RETURNED TO TUCSON WATER. ALL EXISTING WATER METERS THAT ARE TO BE RELOCATED AS PART OF THIS PROJECT THAT ARE NOT ALREADY AUTOMATED, ARE TO BE REPLACED WITH AMR TYPE METERS AT LOCATIONS/ADDRESSES SPECIFIED ON THE PLANS.
   C. PROTECTION OF METERS. AT ALL TIMES THE CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID DAMAGE TO METERS. THE CONTRACTOR SHALL PROVIDE FOR THEIR SAFE STORAGE AND PROPER EQUIPMENT FOR THEIR HANDLING.
   D. ACCESS TO METERS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL IN-SERVICE METERS DURING CONSTRUCTION. AT THE CLOSE OF THE PROJECT THE CONTRACTOR SHALL ENSURE THAT ALL METERS ARE LEFT ACCESSIBLE AND THAT ALL METER BOXES ARE ADJUSTED TO FINAL GRADE.
   E. TUCSON WATER SHALL SUPPLY ALL NEW AMR WATER METERS TO BE INSTALLED AS PART OF THIS PROJECT.
10. **FIRE PROTECTION SHUT DOWN:**
    FORTY-EIGHT (48) HOURS PRIOR TO SHUT-DOWN OF ANY FIRE HYDRANTS OR FIRE PROTECTION SERVICE LINES THE CONTRACTOR SHALL PROVIDE THE CITY OF TUCSON WATER DEPARTMENT CONSTRUCTION INSPECTOR WITH A WRITTEN REPORT INDICATING THE LOCATION AND DURATION OF ANY FIRE HYDRANT OR FIRE PROTECTION SERVICE SHUT-DOWNS.
    THE CONTRACTOR SHALL NOTIFY THE CITY OF TUCSON WATER DEPARTMENT CONSTRUCTION INSPECTOR WHEN FIRE HYDRANTS OR FIRE PROTECTION SERVICES ARE BACK IN SERVICE.
11. **MAINTAIN SERVICE TO CUSTOMERS:**
    THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE TO ALL WATER CUSTOMERS DURING CONSTRUCTION
    IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SERVICES WILL BE EFFECTED BY THIS PROJECT.
    IT MAY BE NECESSARY TO ACCOMPLISH TIE-OVERS, RE-CONNECTIONS, ETC., WHILE BUSINESS CUSTOMERS ARE CLOSED.
    IF INTERRUPTION OF SERVICE IS UNAVOIDABLE THE CONTRACTOR SHALL NOTIFY THE WATER INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE TO COORDINATE SHUT-DOWNS. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION TO THE CUSTOMER.
    IF THE CONSTRUCTOR CHOOSES TO ABANDON ANY PORTION OF THE EXISTING WATER SUPPLY SYSTEM WITHOUT CONCURRENT NEW CONSTRUCTION AS CALLED FOR ON THE PLANS, THE CONTRACTOR SHALL PROVIDE ANY AND ALL MATERIALS AND CONSTRUCTION OF A TEMPORARY OR PERMANENT WATER SYSTEM TO MAINTAIN CONTINUED WATER SERVICE TO CUSTOMERS AT NO ADDITIONAL COST.
12. **SPECIAL USE WATER PERMITS:**
    PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL APPLY FOR TWO (2) SPECIAL WATER USE PERMITS FROM THE CITY OF TUCSON WATER DEPARTMENT COMMERCIAL SECTION.
    A. CONSTRUCTION WATER SPECIAL PERMIT:
       THERE WILL BE NO CHARGE FOR THIS PERMIT, BUT THE CONTRACTOR MUST PAY THE SUM OF $164.19 PLUS TAX AS THE ESTIMATED COST OF THE WATER TO BE USED. THIS WATER MAY ONLY BE USED FOR TRENCH SETTLING, DISINFECTION AND TESTING.
    B. METERED FIRE HYDRANT ONLY PERMIT:
       THIS NON-TRANSFERABLE PERMIT WILL ENTITLE THE CONTRACTOR TO USE WATER THROUGH A METER FROM EXISTING FIRE HYDRANTS AT APPROVED LOCATIONS. WATER USED UNDER THIS PERMIT IS FOR GENERAL CONSTRUCTION PURPOSED SUCH AS DUST CONTROL, SITE PREPARATION,ETC..
13. **NEW MATERIAL:**
    ALL MATERIALS, FITTINGS, AND APPURTENANCES CALLED FOR ON THE PLANS, OR REQUIRED FOR A COMPLETE INSTALLATION, SHALL BE NEW. NO REFURBISHED ITEMS OR MATERIALS WILL BE ALLOWED.
14. **VALVE BOXES:**
    THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL NEW AND EXISTING WATER VALVE BOXES TO THE FINISHED GRADE PER W-300.
15. **JOINT RESTRAINT:**
    THE CONTRACTOR SHALL USE MECHANICALLY RESTRAINED JOINTS AT ALL CHANGES OF DIRECTION IN THE WATER MAINS. THE LENGTHS OF RESTRAINED PIPE BOTH SIDES OF THE RESTRAINED JOINT SHALL BE AS CALLED FOR ON THE PLANS OR AS PER STANDARD DETAIL W-600. WITH APPROVAL OF THE ENGINEER AND THE CITY OF TUCSON WATER DEPARTMENT, THE CONTRACTOR MAY USE CONCRETE THRUST BLOCKING IN LIEU OF MECHANICALLY RESTRAINED JOINTS. CONCRETE THRUST BLOCKING SHALL COMPLY WITH STANDARD DETAIL W-610.
16. **MARKING TAPE:**
    IF ANY EXISTING DETECTABLE MARKING TAPE IS DISTURBED OR DESTROYED DURING CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL APPROPRIATE NEW TAPE. THERE SHALL BE NO ADDITIONAL CHARGE FOR THIS REINSTALLATION.
17. **CORROSION CONTROL:**
    CORROSION CONTROL WILL NOT BE NEEDED OR REQUIRED FOR THIS PROJECT.
18. **TRACER WIRE:**
    THIS PROJECT WILL HAVE TRACER WIRE INSTALLED. IF ANY EXISTING TRACER WIRE IS DISTURBED OR DESTROYED DURING CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL NEW TRACER WIRE TO REPLACE THE EXISTING. THERE SHALL BE NO ADDITIONAL CHARGE FOR THE REINSTALLATION.
    THE TRACER WIRE SHALL BE CERTIFIED BY A LICENSED ELECTRICAL CONTRACTOR FOR CONTINUITY PRIOR TO FINAL ROADWAY PAVEMENT. FINAL ACCEPTANCE WILL NOT BE GRANTED UNTIL CERTIFICATION IS RECEIVED BY TUCSON WATER.
19. **PVC PIPE DEFLECTION:**
    THE CONTRACTOR MAY **NOT** DEFLECT PVC PIPE AT GASKETED BELL AND SPIGOT JOINTS. THE CONTRACTOR MAY USE THE FOLLOWING METHODS TO DEFLECT PVC PIPE:
    A. STANDARD DUCTILE IRON BENDS OR FITTINGS. PVC PIPE MAY BE DEFLECTED AT BENDS OR FITTINGS PROVIDED THE DEFLECTION IS WITHIN THE MANUFACTURERS' ALLOWABLE DEFLECTION FOR THAT BEND OR FITTING.
    B. LONGITUDINAL BENDING. PVC PIPE MAY BE BENT WITHIN THE BENDING LIMITS DESCRIBED IN AWWA PUBLICATION, M23 PVC PIPE - DESIGN AND INSTALLATION MANUAL.
    C. SPECIFICALLY DESIGNED PVC PIPE INTENDED FOR JOINT DEFLECTION AT GASKETED JOINTS. THE USE OF THIS PIPE FOR JOINT DEFLECTION SHALL REQUIRE APPROVAL BY THE CITY OF TUCSON WATER DEPARTMENT AND THE PROJECT ENGINEER.

(SEE SHEET TP01 FOR PROJECT PAVEMENT SECTIONS)

PAVEMENT SECTIONS

NTS

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	259	273	

SS693 01C

LEGEND

PROPOSED		EXISTING
	WATERLINE, REDUCER, & VALVE	12" PVC W
	FIRE HYDRANT	
	VERTICAL & HORIZONTAL BENDS	
12" PVC W	ABANDONMENT OF EXISTING MAIN	
	MATERIAL CHANGE	
	WATER SERVICE & METER	
	SANITARY SEWER AND MANHOLE	10" S
	RIGHT OF WAY	
	CENTERLINE	
	EASEMENT LINE	
	GAS LINE	G
	OVERHEAD ELECTRIC	OHE
	UNDERGROUND ELECTRIC	UGE
	TELEPHONE LINE	T
	CABLE TELEVISION LINE	CTV
	METRO WATERLINE	24" DI MW
	CONCRETE CURB	
	CATCH BASIN	
	STORM DRAIN PIPE	
	BOX CULVERT W/ INLET & OUTLET	

ABBREVIATIONS LIST

CL	CENTERLINE	PVC	POLYVINYL CHLORIDE PIPE
COT	CITY OF TUCSON	DI/DIP	DUCTILE IRON PIPE
DTL	DETAIL	CA	ASBESTOS-CEMENT PIPE
EX/EXIST	EXISTING	CU	COPPER PIPE
NTS	NOT TO SCALE	UGE	UNDERGROUND ELECTRIC
PC	PIMA COUNTY	OHE	OVERHEAD ELECTRIC
PROP	PROPOSED	G	GAS
PVMT	PAVEMENT	FO	FIBER OPTIC
RCBC	REINFORCED CONCRETE BOX CULVERT	N	NORTHING
		E	EASTING
RCP	REINFORCED CONCRETE PIPE	ELEV	ELEVATION
RT	RIGHT	TL	TRUE LENGTH
R/W / ROW	RIGHT-OF-WAY		
SD	STORM DRAIN		
S	SANITARY SEWER		
SMH	SANITARY SEWER MANHOLE		
STA	STATION		
STD	STANDARD		
TYP	TYPICAL		
W	WATERLINE		
CTV	CABLE TELEVISION		
T	TELEPHONE		
MIN	MINIMUM		
LT	LEFT		
LF	LINEAR FEET		

BASIS OF BEARING

THE SOUTH LINE OF THE SOUTHEAST 1/4 OF SECTION 26, T-12-S, R-13-E, G&SRM, PIMA COUNTY, ARIZONA, SAID BEARING BEING N89°36'19"E.

BASIS OF ELEVATION

THE BASIS OF ELEVATION IS A FOUND 2" BRASS CAP AT THE INTERSECTION OF MAGEE ROAD AND NORTHERN AVENUE, SAID BENCHMARK HAS AN ELEVATION OF 2562.75 (NAVD 88).

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed SHM 11/12
Drawn SHM 11/12
Checked ALH 11/12
Proj. Engr. ALH 11/12

Expires 10/31/13 — 43732 SAMUEL H. MILLS — Registered Professional Engineer (Civil) — State of Arizona

eps group, inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85741
Phone (520) 408-1440 Fax (520) 408-1463

Arizona Blue Stake, Inc. — Dial 811 or 1-800-782-5348 — Blue Stake, Inc.

Pima County Department of Transportation

WATER SYSTEM MODIFICATIONS
GENERAL NOTES
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale:	N/A Horiz. N/A Vert.	Sheet W02 of W18	Page 259 of 273

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_02-NOTES.dwg Apr 26, 2013 - 11:58:17am

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	260	273	

SS693 01C

MATERIAL QUANTITIES SUMMARY

			AS BUILT QUANTITIES TO BE FILLED IN BY THE WATER DEPARTMENT																			
ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET W4		SHEET W5		SHEET W6		SHEET W7		SHEET W8		SHEET W9		SHEET W10		SHEET W11		SHEET W12		TOTAL	
			EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT	EST.	AS BUILT
5100110	TEMPORARY HIGH LINE	LS	1																		1	
5100280	*POTHOLING, LOCATION OF EXIST. WATER FACILITIES	EA																			*3	
5101104	PIPE, DUCTILE IRON (DI), 4" (CL350)	LF											64								64	
5101106	PIPE, DUCTILE IRON (DI), 6" (CL350)	LF	206										37		52		132				427	
5101108	PIPE, DUCTILE IRON (DI), 8" (CL350)	LF	6						38				69		155		344		106		718	
5101112	PIPE, DUCTILE IRON (DI), 12" (CL350)	LF			41		172		35				38		35		181				502	
5101404	PIPE, PVC, 4" (CL305)	LF			23																23	
5101406	PIPE, PVC, 6" (CL305)	LF	63																		63	
5101408	PIPE, PVC, 8" (CL305)	LF	281		369				42				19		27				106		844	
5101412	PIPE, PVC, 12" (CL305)	LF			464		160		181				74		97		226				1202	
5101604	POTABLE CU PIPE W/FITTINGS 1"	LF	32		42		113		131		141		182		32		10				683	
5101606	POTABLE CU PIPE W/FITTINGS 1 1/2"	LF	20												12						32	
5101608	POTABLE CU PIPE W/FITTINGS 2"	LF											143		92						235	
5102112	12"x8" TAPPING SLEEVE & VALVE	EA											2		1		1		1		5	
5102204	GATE VALVE, 4" BOX & COVER	EA			1																1	
5102206	GATE VALVE, 6" BOX & COVER	EA											1		2						3	
5102208	GATE VALVE, 8" BOX & COVER	EA			1								2		2		3		1		9	
5102212	GATE VALVE, 12" BOX & COVER	EA			2		1								1		1				5	
5102406	*GATE VALVE, CUT IN, 6"	EA																			*2	
5102408	*GATE VALVE, CUT IN, 8"	EA																			*2	
5102412	*GATE VALVE, CUT IN, 12"	EA																			*2	
5102413	INLINE INSERT VALVE, 12"	EA													1						1	
5102604	COMBINATION AIR RELEASE VALVE, 1"	EA															1				1	
5103205	FIRE HYDRANT	EA											1		2						3	
5103210	FIRE HYDRANT POST	EA											1		2						3	
5103306	PRESSURE REDUCING VALVE STATION	EA															1				1	
5105010	REMOVE & DISPOSE NON-CA 10" & SMALLER	LF	303		48				90				119		102				219		881	
5105012	REMOVE & DISPOSE NON-CA 12" & LARGER	LF			510		325		205				230		128						1398	
5105110	REMOVE & DISPOSE CA 10" & SMALLER	LF	247		347								31		83		283				991	
5105112	REMOVE & DISPOSE CA 12" & LARGER	LF															179				179	
5105310	REMOVE & DISPOSE EXIST HYDRANT	EA											1		2						3	
5105320	REMOVE & DISPOSE EXIST PRV VAULT	EA											1								1	
5106004	CONNECTION, 4"	EA			1								2								3	
5106006	CONNECTION, 6"	EA	4														2				6	
5106008	CONNECTION, 8"	EA	1		1				2				1		2		2		3		12	
5106012	CONNECTION, 12"	EA			1		4		4				1		2		2				14	
5108114	MTR. RELOC., SERVICE LINE ADJUST. (M/R), 1"	EA	2		2		4		2		2		2		3						17	
5108116	MTR. RELOC., SERVICE LINE ADJUST. (M/R), 1 1/2"	EA	2												1						3	
5108118	MTR. RELOC., SERVICE LINE ADJUST. (M/R), 2"	EA											1		3						4	
5108138	SERVICE LINE RENEWAL (R), 2"	EA											1								1	
5108500	PRIVATE PLUMBING	EA					2				1				4						7	

*THIS ITEM SHALL BE CONSIDERED A CONTINGENCY ITEM TO BE USED ONLY IF DEEMED NECESSARY BY THE CONTROLLING AGENCY AND THE CITY OF TUCSON WATER DEPARTMENT.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	11/12	11/12	11/12	11/12
	SHM	SHM	A.M	A.M

Registered Professional Engineer (Civil) No. 43732 SAMUEL H. MILLS Date Signed 12/31/12

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 498-1401 Fax (520) 498-1403

Pima County Department of Transportation

WATER SYSTEM MODIFICATIONS
MATERIALS QUANTITIES
MAGEE RD.
LA CAÑADA DR. – ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale: N/A Horiz. N/A Vert. | Sheet W03 of W18 | Page 260 of 273

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_03-QUANTITIES.dwg May 07, 2013 - 12:18:10pm

Plan No. 5-006-2012 Sht. 3 of 18

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	261	273	

SS693 01C

40' 0 40' 80'

SCALE: 1"=40'

CAUTION:
CONTRACTOR TO BE AWARE OF OVERHEAD ELECTRIC LINE ABOVE LOCATION OF PROPOSED WATERLINE INSTALLATION.

NOTE:
CONTRACTOR TO USE A TEMPORARY HIGHLINE FOR THE INSTALLATION OF THIS SEGMENT OF WATERLINE (150'±). CONTRACTOR TO COORDINATE WITH CUSTOMERS TO MAINTAIN SERVICE DURING BUSINESS HOURS.

STA 422+85±, 58'±LT TO
STA 423+92±, 58'±LT
114 LF 6"DIP (CL 350)
1-6"CONNECTION TO PVC (W)
1-6"CONNECTION TO PVC (E)

STA 424+95±, 58'±LT TO
STA 425+87±, 58'±LT
92 LF 6"DIP (CL 350)

STA 425+87±, 58'±LT TO
STA 426+07±, 58'±LT
20 LF 6"PVC (CL 305)
1-6"CONNECTION TO PVC (E)

STA 429+13±, 53'±LT TO
STA 429+19±, 55'±LT
6 LF 8"DIP (CL 350)
1-8"CONNECTION TO DIP (W)

STA 429+19±, 55'±LT TO
STA 432+00±, 54'±LT
281 LF 8"PVC (CL 305)

CONSTRUCTION CENTERLINE & SECTION LINE

STA 422+85±, 58'±LT TO
STA 423+92±, 58'±LT
107 LF± REMOVE AND
DISPOSE EXIST 6" PVC

STA 424+52±, 58'±LT TO
STA 426+07±, 58'±LT
155 LF± REMOVE AND
DISPOSE EXIST 6" PVC

STA 424+52±, 58'±LT TO
STA 424+95±, 58'±LT
43 LF 6"PVC (CL 305)
1-6"CONNECTION TO PVC (W)

STA 429+13±, 53'±LT TO
STA 432+00±, 54'±LT
41 LF± REMOVE AND
DISPOSE EXIST 8" DIP
247 LF± REMOVE AND
DISPOSE EXIST 8" CA

WO 8927-572
8" DIP

FN 2614
8" CA

EX. PLUG @ STA 418+05±

STA 414+97.27
MAGEE RD. \ LA CANADA DR.
INTERSECTION
N: 92,934.86
E: 84,395.84

MAGEE ROAD

PEGLER WASH

LEONARDO DA VINCI WAY

MATCH LINE STA. 432+00
SEE SHEET W05

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

423+00 424+00 425+00 426+00 427+00 428+00 429+00 430+00 431+00 432+00

RESTRAIN ALL JOINT
TL= 114'±

RESTRAIN ALL JOINTS
TL= 155'±

RESTRAIN ALL JOINTS
TL= 62'±

PROPOSED 18" RCP & CATCH BASIN (SHOWN FOR REFERENCE ONLY)

FINISHED GRADE @ EXST. WATER LINE
EXISTING GROUND @ EXST. WATER LINE

PROPOSED (4) 10'x5' RCBC @ CL OF EXIST. WATER LINE

-1.62%
-5.63%
0.00%
+8.63%
-1.62%
-1.59%
+2.67%
+41.42%
+63.33%
+2.30%

EXIST. 6" PVC WATER LINE
EXIST. PIPE (6" TO 8")
EXIST. 8" CA WATER LINE
EXIST. 8" D.I.P.

STA 422+85±, 58'±LT
CONNECT TO EXIST
ELEV=2483.30±
BEGIN DIP

STA 422+92±, 58'±LT
1-6"x11.25° BEND(RO)
ELEV=2482.39

STA 423+51±, 70'±LT
1-6"x11.25° BEND(RO)
ELEV=2482.19

STA 423+66±, 70'±LT
1-6"x45° BEND(RO)
ELEV=2482.39

STA 423+77±, 58'±LT
1-6"x45° BEND(RO)
ELEV=2483.83

STA 423+92±, 58'±LT
CONNECT TO EXIST
ELEV=2483.59±
END DIP

STA 424+52±, 58'±LT
CONNECT TO EXIST
ELEV=2482.63±

STA 425+01±, 58'±LT
8" MJ 45° BEND(VT)
BEGIN DIP
ELEV=2481.85

STA 425+07±, 58'±LT
1-8"x45° BEND(VT)
ELEV=2475.90

STA 426+76±, 58'±LT
1-6"x22.5° BEND(VT)
ELEV=2475.90

STA 425+87±, 58'±LT
1-8"x22.5° BEND(VT)
END DIP
ELEV=2480.45

STA 426+07±, 58'±LT
CONNECT TO EXIST
ELEV=2480.98±

STA 429+13±, 53'±LT
1-8"x45° BEND(RO)
CONNECT TO EXIST
ELEV=2480.53±

STA 429+19±, 55'±LT
1-8"x45° BEND(RO)
END DIP
ELEV=2484.33

STA 429+75±, 55'±LT

2500 2490 2480 2470

MATCH LINE STA. 432+00 SEE SHEET W05

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_04-PLAN.dwg Apr 26, 2013 - 12:17:45pm

SERVICE WORK

CODE		ADDRESS / METER NUMBER/SIZE	PIPE, SIZES & QUANT. (IN FEET ±) 3/4"	1"	1 1/2"	2"
1	M R	1220 W MAGEE ROAD #001 STA 424+41, 71'LT		13		
		● 28917661 1"				
2	M R	1220 W MAGEE ROAD #002 STA 424+44, 68'LT			10	
		● 11566019 1.5"				
3	M R	1220 W MAGEE ROAD #003 STA 424+46, 68'LT			10	
		● 17558176 2"				
4	M R	1142 W MAGEE ROAD STA 430+79, 54'LT		19		
		● 37361538 5/8"				
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				32	20	

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet W04 of W18

Plan No. 5-006-2012 Sht. 4 of 18

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed	SHM	11/12
Drawn	SHM	11/12
Checked	AJH	11/12
Proj. Engr.	AJH	11/12

Registered Professional Engineer (Civil) SAMUEL H. MILLS 43732 Expires: 12/31/13

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 498-1401 Fax (520) 498-1460

Arizona Blue Stake, Inc. 1-800-782-5348

Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 423+00 TO STA. 432+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	262	273	

SS693 01C

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

STA 432+00±, 54'±LT TO STA 435+07±, 53'±LT
307 LF 8"PVC (CL 305)
STA 435+07±, 53'±LT TO STA 437+21±, 53'±LT
214 LF 12"PVC (CL 305)
1-8"x4"x8" TEE
1-8"x8"x8" TEE
1-8" VALVE B&C
1-8"x12" REDUCER

UPSTREAM VALVE LOCATED APPROX. 820' TO THE NE OF 4" CONNECTION

STA 434+82±, 76'±LT TO STA 434+87±, 53'±LT
23 LF 4"PVC (CL 305)
1-4" VALVE B&C
1-4"CONNECTION TO PVC (N)

SEE DETAIL F SHEET W13 FOR PROFILE

STA 434+82±, 49'±LT TO STA 434+82±, 76'±LT
26 LF± REMOVE AND DISPOSE EXIST 4" PVC

CONSTRUCTION CENTERLINE & SECTION LINE

STA 437+21±, 53'±LT TO STA 437+62±, 53'±LT
41 LF 12"DIP (CL 350)

STA 437+62±, 53'±LT TO STA 440+11±, 45'±LT
250 LF 12"PVC (CL 305)
1-12"CONNECTION TO PVC (E)

SEE DETAIL A SHEET W13 FOR PROFILE

STA 432+00±, 49'±LT TO STA 435+12±, 49'±LT
312 LF± REMOVE AND DISPOSE EXIST 8" CA

STA 435+12±, 49'±LT TO STA 435+12±, 8'±RT
35 LF± REMOVE AND DISPOSE EXIST 8" CA
22 LF± REMOVE AND DISPOSE EXIST 8" DI

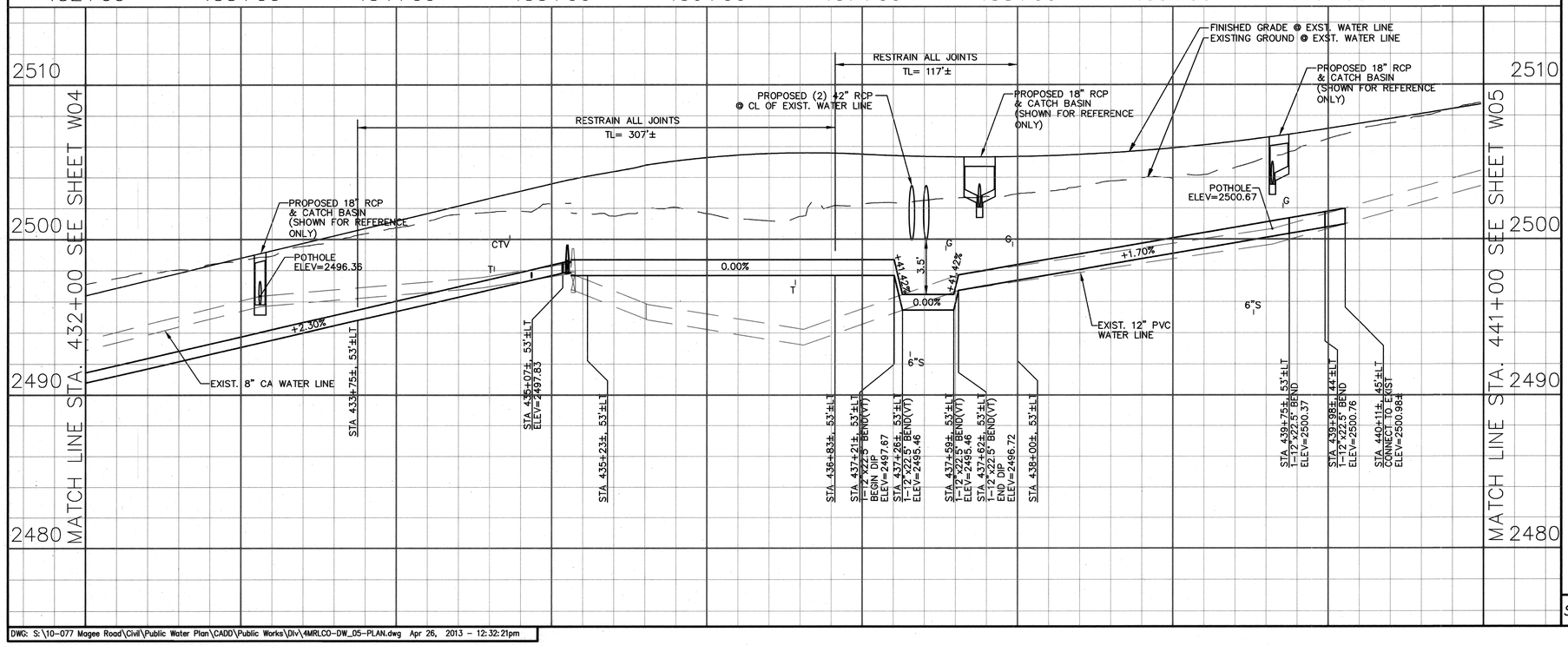
STA 435+07±, 53'±LT TO STA 435+12±, 8'±RT
62 LF 8"PVC (CL 305)
1-8" VALVE B&C
1-8"CONNECTION TO PVC (S)

STA 435+12±, 14'±LT TO STA 440+11±, 45'±LT
510 LF± REMOVE AND DISPOSE EXIST 12" PVC

EX. PLUG @ 435+07±, 151'±RT

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA. 432+00 SEE SHEET W04
MATCH LINE STA. 441+00 SEE SHEET W06
COOL DRIVE
MAGEE ROAD
VAMORI DRIVE
W. MAGEE ROAD
POE 11+75.00



SERVICE WORK						
CODE		ADDRESS	PIPE, SIZES & QUANT. (IN FEET ±)			
		METER NUMBER/SIZE	3/4"	1"	1 1/2"	2"
1	M R	1111 W MAGEE ROAD STA 434+85, 95'RT		22		
		● 28917671 1"				
2	M R	1000 W MAGEE ROAD STA 439+70, 194'LT		20		
		● 92460709 5/8"				
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				42		

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_05-PLAN.dwg Apr 26, 2013 - 12:32:21pm

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Date

Engineer

Designed SHM 11/12
Drawn SHM 11/12
Checked ALH 11/12
Proj. Engr. ALH 11/12

Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 432+00 TO STA. 441+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet W05 of W18 | Page 262 of 273

Plan No. 5-006-2012 Sht. 5 of 18

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 568-1400 Fax (520) 568-1480

Registered Professional Engineer (Civil) No. 23232 SAMUEL H. MILLS Date Signed 12/31/13 Exp. date: 12/31/14

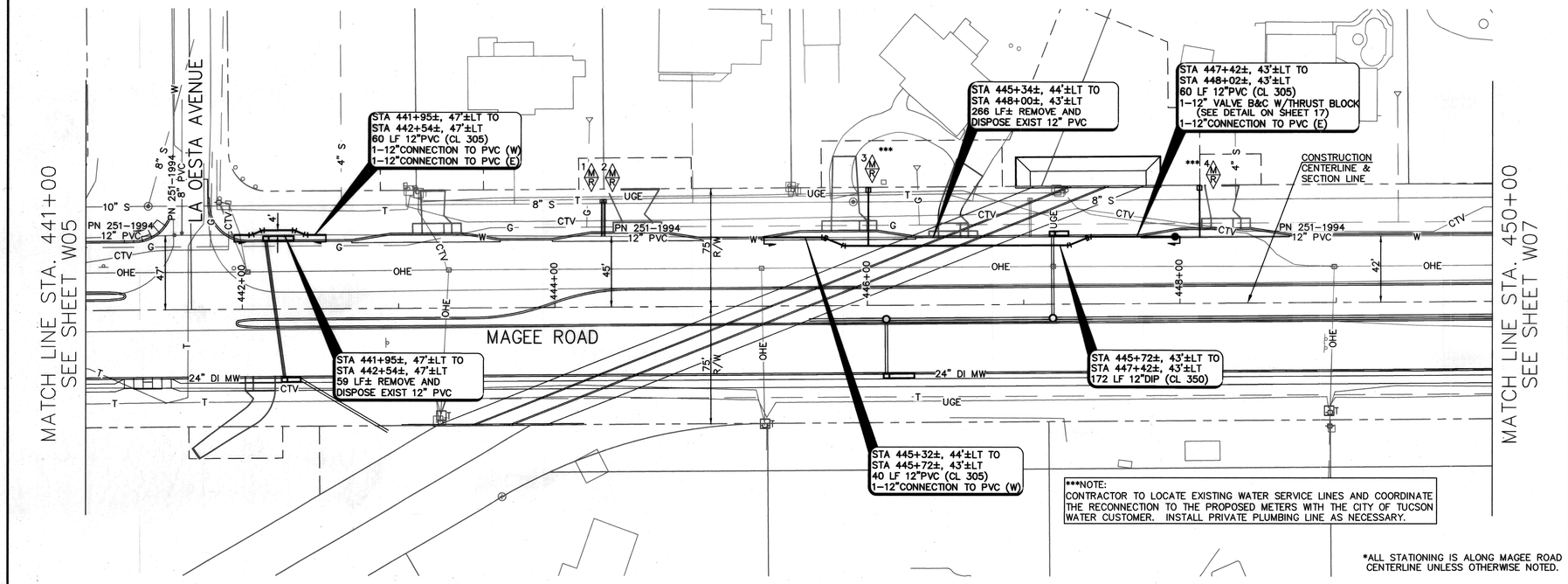
Arizona Law requires you to call before you dig. 1-800-782-5348 Blue Stake, Inc.

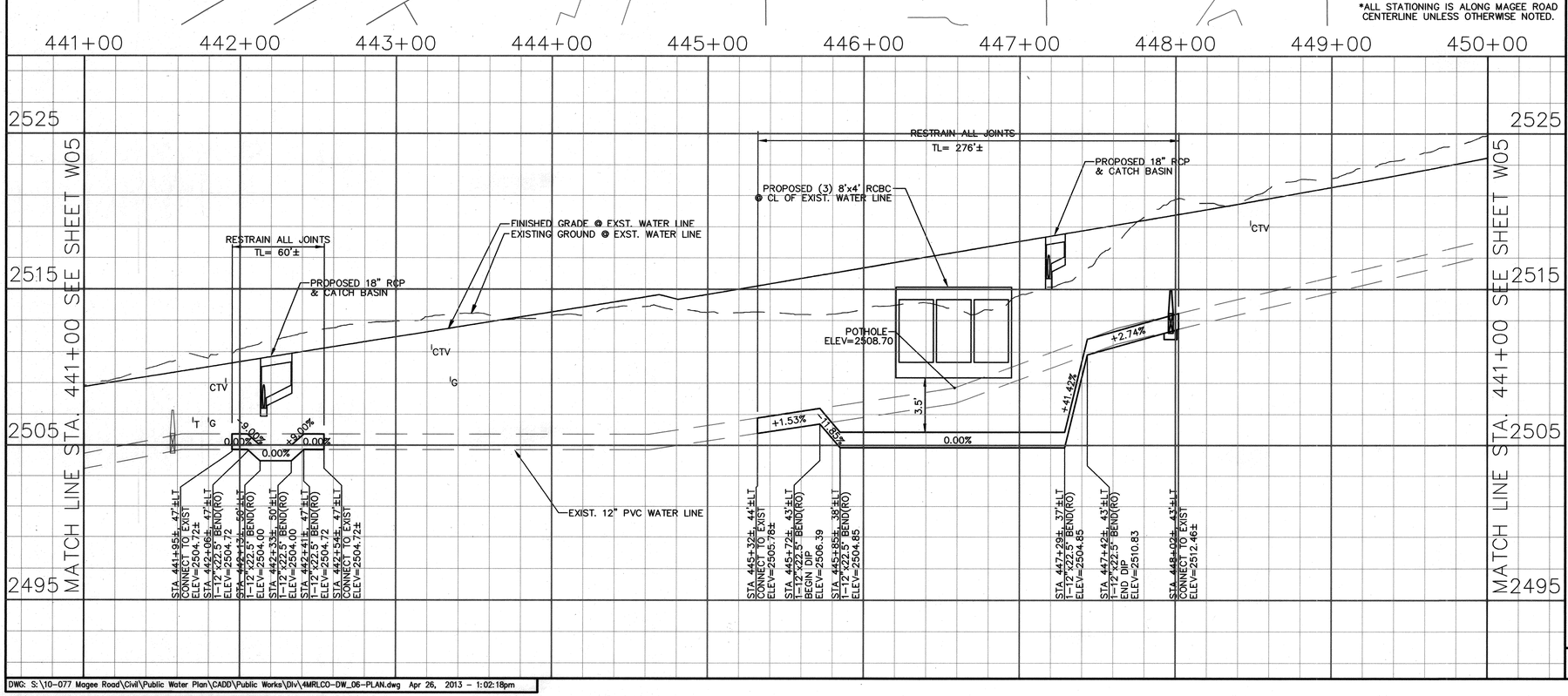
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	263	273	

SS693 01C

40' 0 40' 80'

SCALE: 1"=40'





SERVICE WORK						
CODE		ADDRESS / METER NUMBER/SIZE	PIPE, SIZES & QUANT. (IN FEET ±) 3/4"	1"	1 1/2"	2"
1	M R	960 W MAGEE ROAD 444+31, 67'LT ● 88758807 / 5/8"	22			
2	M R	940 WEST MAGEE ROAD 444+32, 67'LT ● 36555624 / 5/8"	22			
3	M R	920 WEST MAGEE ROAD 446+01, 75'LT ● 89789818 / 1"	37			
4	M R	900 WEST MAGEE ROAD 448+13, 75'LT ● 89789819 / 1"	32			
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY			113			

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_06-PLAN.dwg Apr 26, 2013 - 1:02:18pm

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Date	Engineer

Designed	SHM	11/12
Drawn	SHM	11/12
Checked	AJH	11/12
Proj. Engr.	AJH	11/12

Registered Professional Engineer (Civil) SAMUEL H. MILLS 43732 Date Signed 12/31/13 Expires: 12/31/14

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1400 Fax (520) 408-1460

Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 441+00 TO STA. 450+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

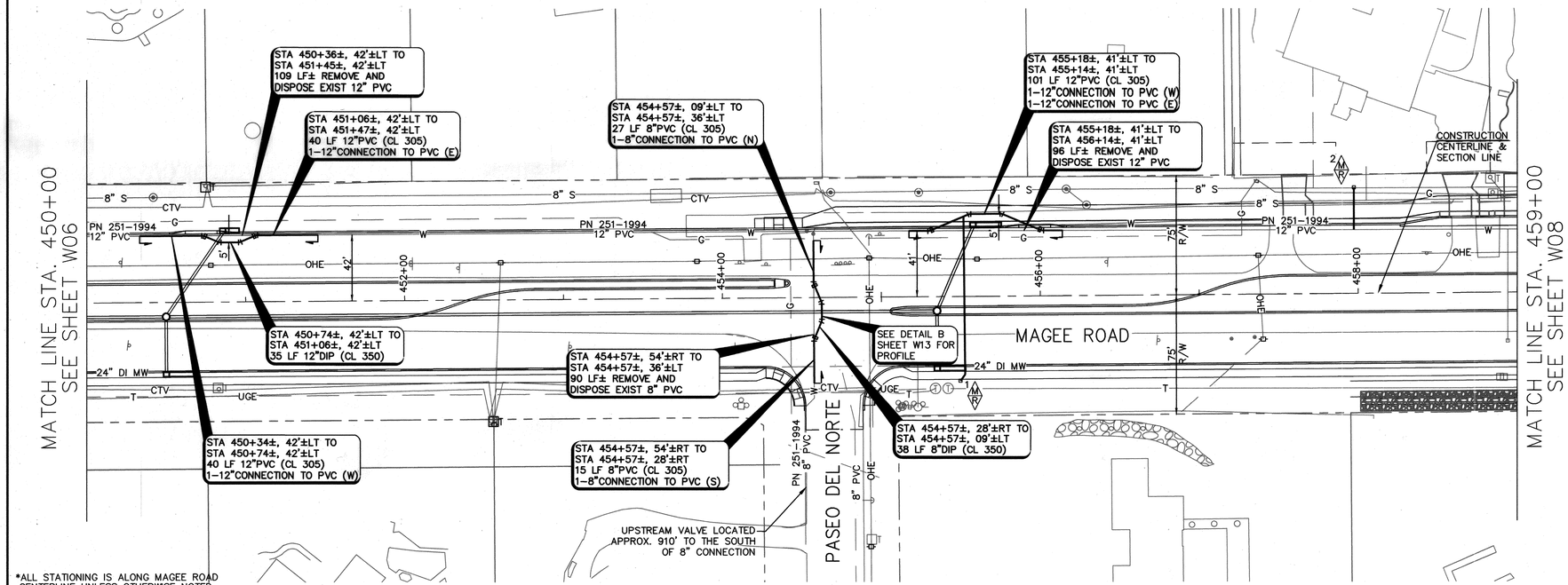
Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet W06 of W18 | Page 263 of 273

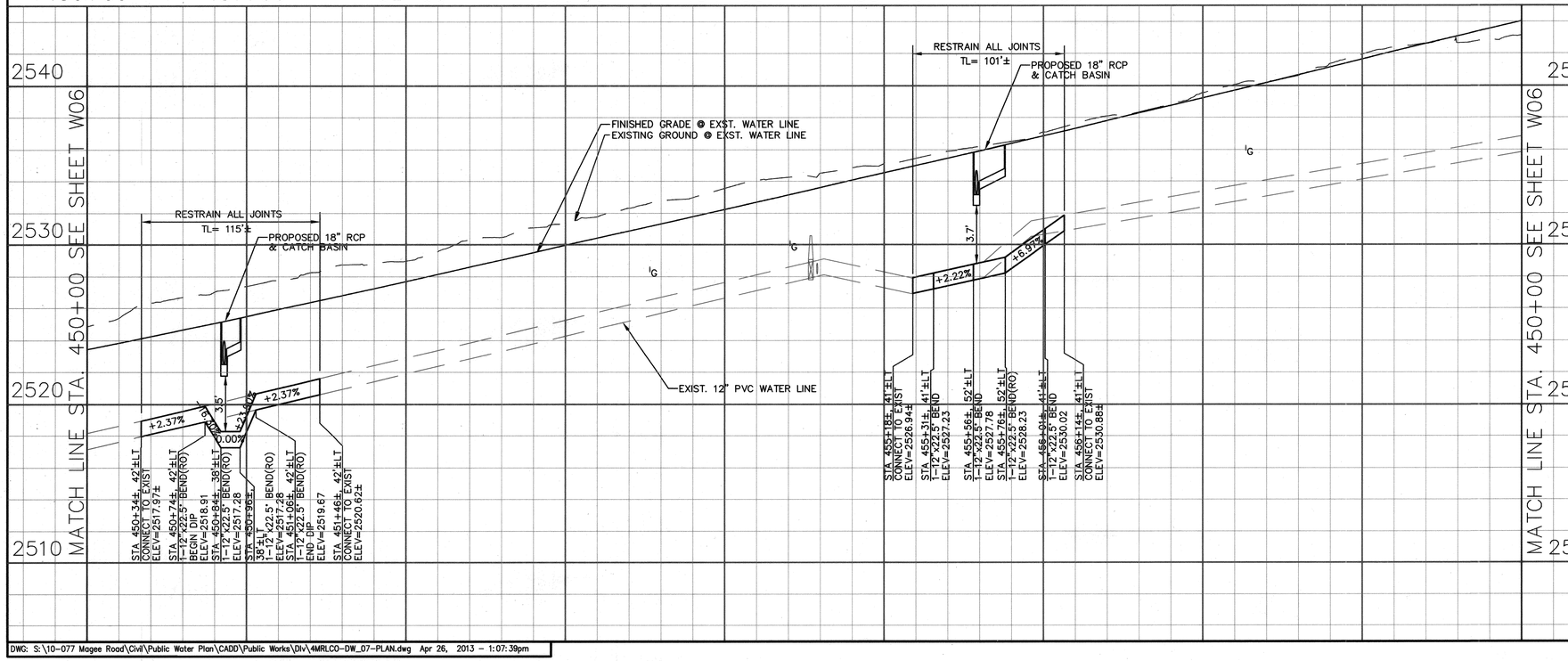
Plan No. 5-006-2012 Sht. 6 of 18

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	264	273	

SS693 01C

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





SERVICE WORK						
CODE		ADDRESS / METER NUMBER/SIZE	PIPE, SIZES & QUANT. (IN FEET ±) 3/4"	1"	1 1/2"	2"
1	M R	7962 N PASEO DEL NORTE STA 455+52, 50'LT ● 5035956 5/8"		104		
2	M R	722 W MAGEE ROAD STA 457+98, 67'LT ● 87689932 5/8"		27		
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				131		

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_07-PLAN.dwg Apr 26, 2013 - 1:07:39pm

Scale: 1" = 40' Horiz. 1" = 4' Vert.

Sheet W07 of W18

Page 264 of 273

Plan No. 5-006-2012 Sht. 7 of 18

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed	SHM	11/12
Drawn	SHM	11/12
Checked	AJH	11/12
Proj. Engr.	AJH	11/12

Registered Professional Engineer (Civil) CERTIFICATE NO. 23732 SAMUEL H. MILLS Date Signed 12/31/13 Expires: 12/31/14

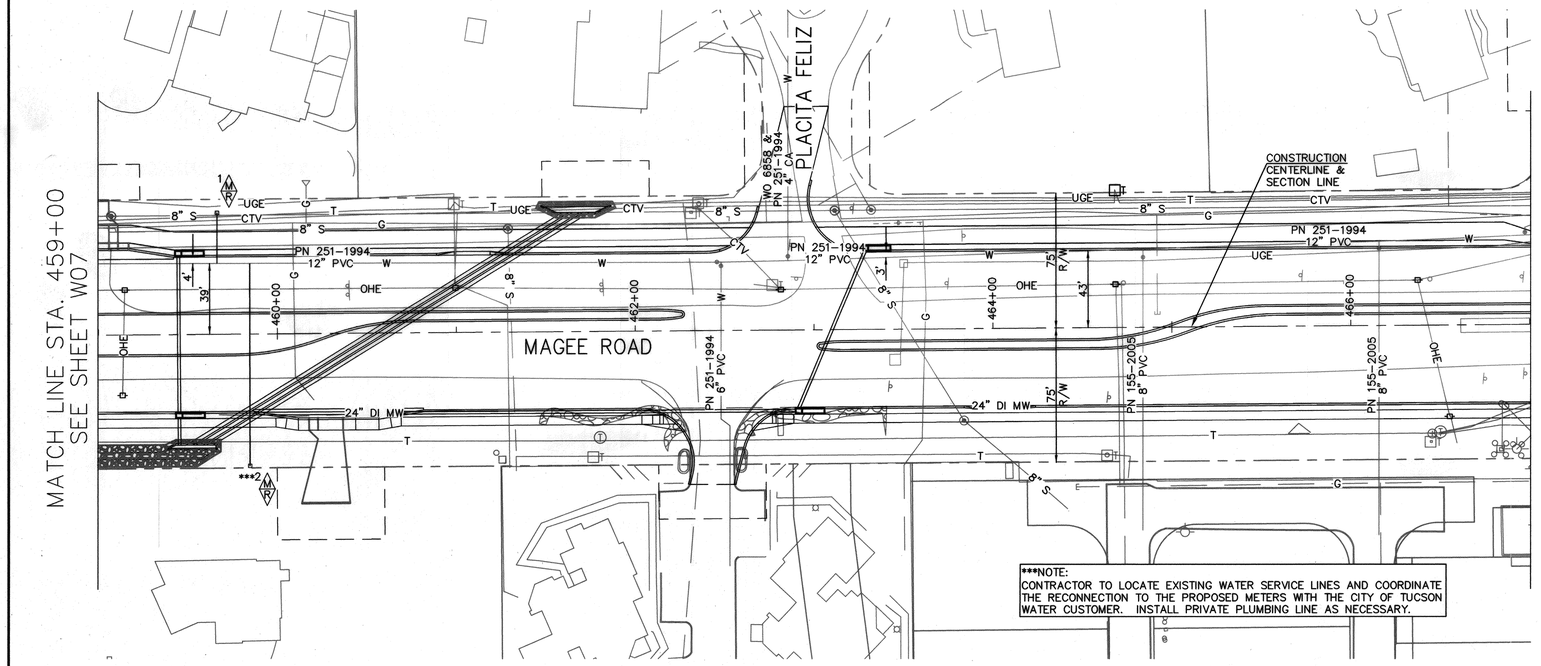
eps group, inc.
Engineers, Planners & Surveyors
8710 North Thorndale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1440 Fax (520) 408-1460

Arizona Blue Stake, Inc. 1-800-782-5348

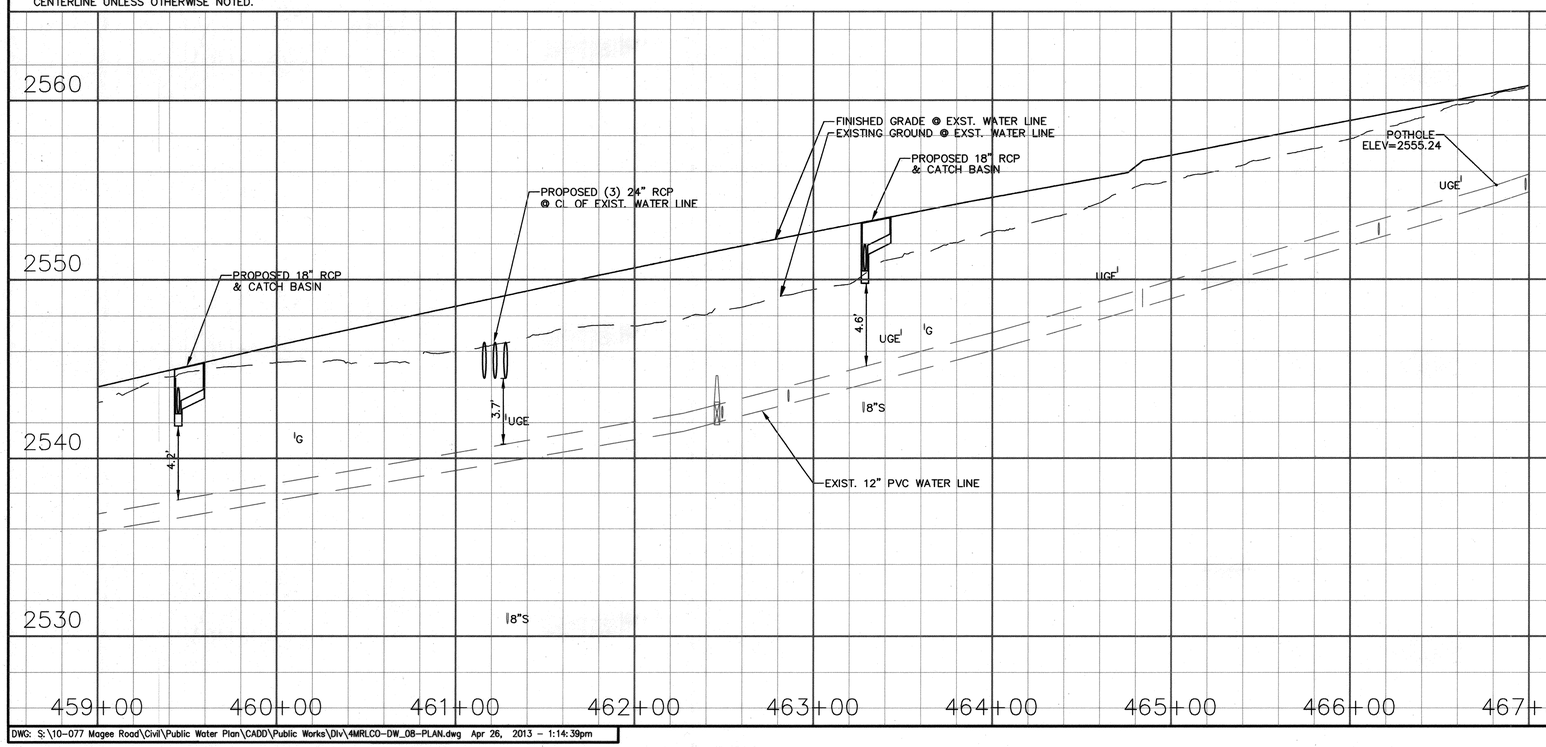
Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE STA. 450+00 TO STA. 459+00
MAGEE RD. - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO



*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.



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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	265	273	

SS693 01C

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

SERVICE WORK						
CODE		ADDRESS	PIPE, SIZES & QUANT. (IN FEET ±)			
		METER NUMBER/SIZE	3/4"	1"	1 1/2"	2"
1	M R	702 W MAGEE ROAD STA 459+67, 67'LT ● 89789821 5/8"		28		
2	M R	701 W MAGEE ROAD STA 459+85, 75'RT ● 7038884 5/8"		113		
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				141		

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed	SHM	11/12
Drawn	SHM	11/12
Checked	ALH	11/12
Proj. Engr.	ALH	11/12

Registered Professional Engineer (Civil) 43732 SAMUEL H. MILLS Date Signed 12/31/13 Expires: 12/31/14

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1485 Fax (520) 408-1460

Arizona Blue Stake, Inc. 1-800-782-5348

Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 459+00 TO STA. 467+00
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet W08 of W18 | Page 265 of 273

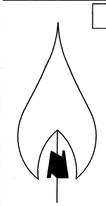
Plan No. 5-006-2012 Sht. 8 of 18

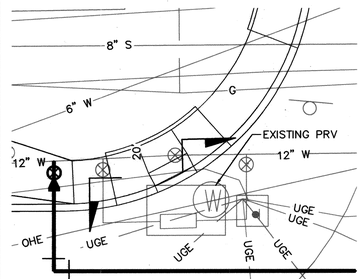
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	266	273	

SS693 01C

40' 0 40' 80'

SCALE: 1"=40'





DETAIL A

SCALE: 1"=10'

NORTHERN AVE
SEE SHEET W11

MATCH LINE STA. 467+00
SEE SHEET W08

NORTHERN AVE

***STA 467+04±, 50'±LT TO STA 468+26±, 51'±RT
122 LF± REMOVE AND DISPOSE EXIST 12" PVC
REMOVE & DISPOSE EXIST PRV

STA 469+97±, 71'±LT
1–6"VALVE B&C FLGxMJ
37 LF 6"DIP (CL 350)
1–FIRE HYDRANT PER W–500

STA 469+97±, 39'±LT
1–REMOVE AND DISPOSE EXIST FIRE HYDRANT AND ASSOC PIPING

STA 470+70±, 29'±LT TO STA 470+71±, 93'±LT
64 LF 4"DI (CL 350)
2–4" CONNECTIONS (SEE SHEET W18 FOR DETAIL)

STA 468+08±, 14'±RT TO STA 468+43±, 17'±RT
36 LF 12"PVC (CL 305)
1–12"X8" TAPPING SLEEVE & VALVE B&C
1–12"X8" REDUCER

STA 468+10±, 8'±RT TO STA 469+18±, 14'±RT
108 LF± REMOVE AND DISPOSE EXIST 12" PVC

CONSTRUCTION CENTERLINE & SECTION LINE

SEE DETAIL A THIS SHEET

STA 467+83.63 (MAGEE ROAD)= STA 100+00.00 (NORTHERN AVE)

SEE DETAIL B SHEET W14 FOR PROFILE

SEE DETAIL C SHEET W13 FOR PROFILE

STA 470+74±, 39'±RT TO STA 470+74±, 20'±RT
19 LF 8"PVC (CL 305)
1–12"X8" TAPPING SLEEVE & VALVE B&C

MAGEE ROAD

STA 468+80±, 12'±RT TO STA 469+14±, 14'±RT
38 LF 12"PVC (CL 305)
1–12"CONNECTION TO PVC (E)

**SEE DETAIL A SHEET W12 FOR PLAN & PROFILE

STA 470+78±, 106'±RT TO STA 470+87±, 20'±RT
55 LF± REMOVE AND DISPOSE EXIST 8" DI
31 LF± REMOVE AND DISPOSE EXIST 8" CA

STA 468+43±, 17'±RT TO STA 468+80±, 12±RT
38 LF 12"DIP (CL 350)

STA 470+78±, 106'±RT TO STA 470+74±, 38'±RT
69 LF 8"DIP (CL 305)
1–8"CONNECTION TO CA (S)

UPSTREAM VALVE LOCATED APPROX. 490' TO THE SOUTH OF 8" CONNECTION

***NOTE:
CONSTRUCT NEW WATERLINE & PRV AND MAKE IT THE LIVE SYSTEM. THEN CLOSE THE TWO VALVES AT THE EXISTING PRV. CUT/PLUG PER W–350 AND REMOVE ALL PRV ASSEMBLY & PIPE THAT IS NOT NEEDED IN THE SYSTEM. CONTRACTOR TO SUBMIT CONSTRUCTION SEQUENCING & RECEIVE APPROVAL OF TUCSON WATER PRIOR TO DOING WORK IN THIS AREA. (SEE DETAIL A)

**CAUTION:
CRITICAL CUSTOMER LOCATED AT THE SOUTHEAST CORNER OF MAGEE ROAD AND NORTHERN AVENUE (HEALTH CARE REALTY SERVICES: 551 W MAGEE RD). CONTRACTOR TO MAINTAIN SERVICE DURING BUSINESS HOURS. ANY SHUTDOWNS SHALL BE COORDINATED WITH THE CUSTOMER (MARIA SANCHEZ: 382–6356).

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

MATCH LINE STA. 476+00
SEE SHEET W10

467+00 468+00 469+00 470+00 471+00 472+00 473+00 474+00 475+00 476+00

PROFILE @ 5'LT
PROFILE @ 8'RT

RESTRAIN ALL JOINTS 106'±

PROPOSED 18" RCP @ CL OF EXIST. WATER LINE

FINISHED GRADE @ EXST. WATER LINE
EXISTING GROUND @ EXST. WATER LINE

POTHOLE ELEV=2561.75

POTHOLE ELEV=2558.76

POTHOLE ELEV=2571.18

EXIST. 12" PVC WATER LINE

SAME POINT

+1.42%
+0.00%
+33.83%
0.0%

2575 2585 2565 2555 2545

MATCH LINE STA. 467+00 SEE SHEET W08

MATCH LINE STA. 476+00 SEE SHEET W10

STA 467+04±, 50'±LT
1–12"X8" TAPPING SLEEVE
1–12"X90° BEND

STA 468+26±, 51'±LT
0.08' ABOVE PROFILE @ 5'LT
REMOVE VALVE STEM & VALVE BOX

****REMOVE 122 LF 12" PVC WATER LINE

STA 468+08±, 14'±RT
TAPPING SLEEVE
ELEV=2558.01±

STA 468+12±, 17'±RT
1–8"X22.5° BEND(HZ)
1–8"X6" REDUCER
ELEV=2558.01

STA 468+43±, 17'±RT
1–12"X22.5° BEND(VT)
BEGIN 12" DIP
ELEV=2558.01

STA 468+56±, 17'±RT
1–12"X22.5° BEND(RO)
ELEV=2555.52

STA 468+66±, 17'±RT
1–12"X22.5° BEND(VT)
ELEV=2555.52

STA 468+80±, 12'±RT
1–12"X22.5° BEND(RO)
END DIP
ELEV=2559.58

STA 469+18±, 14'±RT
CONNECT TO EXIST
ELEV=2460.12±

STA 470+17±, 20'±RT
1–12"X8" TAPPING SLEEVE
& VALVE B&C

STA 470+74±, 20'±RT
1–12"X8" TAPPING SLEEVE
& VALVE B&C

****NOTE:
WORK TO BE COMPLETED AFTER CONSTRUCTION OF NEW SYSTEM. CONTRACTOR TO SUBMIT CONSTRUCTION SEQUENCING & RECEIVE APPROVAL OF TUCSON WATER PRIOR TO DOING WORK IN THIS LOCATION

SERVICE WORK

CODE		ADDRESS / METER NUMBER/SIZE	PIPE, SIZES & QUANT. (IN FEET ±) 3/4"	1"	1 1/2"	2"
1	R	551 W MAGEE ROAD 469+92, 74'RT / 21046457 / 2"				55
2	MR	490 W MAGEE ROAD 471+08, 73'LT / – / 1"		93		
3	MR	490 W MAGEE ROAD 471+68, 69'LT / 30504313 / 1"		89		
4	MR	420 W MAGEE ROAD 474+43, 70'LT / 33960109 / 2"				88
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				182		143

No.	Revision Description	Date

Engineer

Date

Designed SHM 11/12
Drawn SHM 11/12
Checked AJH 11/12
Proj. Engr. AJH 11/12

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 467+00 TO STA. 476+00
MAGEE RD.
LA CAÑADA DR. – ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Engineer (Civil) Certificate No. 43732 SAMUEL H. MILLS Date Signed 10/31/12 Expires: 10/31/13

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thorndale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1400 Fax (520) 408-1403

Arizona Blue Stake, Inc. 1-800-782-5348

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert.

Sheet W09 of W18

Page 266 of 273

Plan No. 5-006-2012 Sht. 9 of 18

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_09-PLAN.dwg Apr 29, 2013 – 8:38:23am

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	267	273	

SS693 01C

SCALE: 1"=40'

UPSTREAM VALVE LOCATED APPROX. 520' TO THE NORTH OF 8" CONNECTION

MATCH LINE STA. 476+00 SEE SHEET W09

ORACLE ROAD

MAGEE ROAD

STA 480+06±, 16'±RT TO STA 481+21±, 40'±RT 128 LF± REMOVE AND DISPOSE EXIST 12" PVC

STA 412+33±, 75'±RT TO **STA 412+16±, 124'±RT (ORACLE RD ADOT STATION) STA 480+06±, 16'±RT TO STA 480+51±, 42'±RT 59 LF 12"PVC (CL 305) 1-12"VALVE B&C FLGxMJ 1-12"CONNECTION TO PVC (W)

STA 480+51±, 42'±RT TO STA 480+83±, 40'±RT 35 LF 12"DIP (CL 350)

STA 480+83±, 40'±RT TO STA 481+21±, 40'±RT 38 LF 12"PVC (CL 305) 1-12"CONNECTION TO PVC (E)

STA 485+96±, 48'±LT 1-6"VALVE B&C FLGxMJ 40 LF 6"DIP (CL 350) 1-FIRE HYDRANT PER W-500 1-8"x6" TAPPING SLEEVE & VALVE B&C

STA 485+78±, 58'±LT 1-REMOVE AND DISPOSE EXIST FIRE HYDRANT AND ASSOC PIPING

CONSTRUCTION CENTERLINE & SECTION LINE

SEE DETAIL B SHEET W12 FOR PLAN & PROFILE

SEE DETAIL D SHEET W13 FOR PROFILE

STA 479+32.41 (MAGEE ROAD)= STA 412+36.07 (ORACLE ROAD)

8" PVC PN238-2001

8" PVC PN127-1994

12" PVC PN103-1990

8" DI PN103-1990

24" DI MW

12" PVC PN251-1994

STA 476+47±, 47'±RT TO STA 476+47±, 20'±RT 27 LF 8"PVC (CL 305) 1-12"x8" TAPPING SLEEVE & VALVE B&C

STA 476+45±, 108'±RT TO STA 476+55±, 20'±RT 36 LF± REMOVE AND DISPOSE EXIST 8" CA 52 LF± REMOVE AND DISPOSE EXIST 8" DI

STA 476+46±, 108'±RT TO STA 476+47±, 46'±RT 63 LF 8"DIP (CL 350) 1-8"CONNECTION TO CA (S)

8" CA PN001-1975

UPSTREAM VALVE LOCATED APPROX. 450' TO THE SOUTH OF 8" CONNECTION

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

STA 480+73±, 52'±RT 1-6"VALVE B&C FLGxMJ 12 LF 6"DIP (CL 350) 1-FIRE HYDRANT PER W-500 STA 480+73±, 68'±RT 1-REMOVE AND DISPOSE EXIST FIRE HYDRANT AND ASSOC PIPING

SEE DETAIL E SHEET W13 FOR PROFILE

8" PVC PN251-1994

STA 480+20±, 94'±RT TO STA 480+66±, 40'±RT 47 LF± REMOVE AND DISPOSE EXIST 8" CA 50 LF± REMOVE AND DISPOSE EXIST 8" PVC

STA 411+32±, 104'±RT TO **STA 412+15±, 135'±RT (ORACLE RD ADOT STATION) STA 480+16±, 121'±RT TO STA 480+61±, 45'±RT 92 LF 8"DIP (CL 350) 1-8"CONNECTION TO CA (S)

**STA 484+04±, 38'±RT 1-12" INLINE INSERT VALVE

UPSTREAM VALVE LOCATED 940' TO THE EAST OF NEW 12" VALVE

UPSTREAM VALVE LOCATED APPROX. 720' TO THE SOUTH OF 8" CONNECTION

**NOTE: EXISTING WATER MAIN CAN NOT BE SHUTDOWN FOR THE INSTALLATION OF THE INLINE INSERT VALVE.

***NOTE: CONTRACTOR TO LOCATE EXISTING WATER SERVICE LINES AND COORDINATE THE RECONNECTION TO THE PROPOSED METERS WITH THE CITY OF TUCSON WATER CUSTOMER. INSTALL PRIVATE PLUMBING LINE AS NECESSARY.

476+00 477+00 478+00 479+00 480+00 481+00 482+00 483+00 484+00 485+00

2500 2490 2480 2470

MATCH LINE STA. 476+00 SEE SHEET W09

PROPOSED 18" RCP & CATCH BASIN

FINISHED GRADE @ EXST. WATER LINE

EXISTING GROUND @ EXST. WATER LINE

4.6'

RESTRAIN ALL JOINTS 132'±

(2) 42" CMP

+0.80%

+2.92%

+1.26%

EXIST. 12" PVC WATER LINE

STA 476+47±, 20'±RT 1-12"x8" TAPPING SLEEVE & VALVE B&C

STA 480+06±, 16'±RT CONNECT TO EXIST ELEV=2586.02±

STA 480+33±, 16'±RT 1-12"x45° BEND ELEV=2586.31

STA 480+51±, 42'±RT 1-12"x45° BEND(VT) BEGIN DIP ELEV=2586.49

STA 480+53±, 45'±RT 1-12"x45° BEND(RO) ELEV=2584.94

STA 480+61±, 45'±RT 1-12"x22.5° BEND(RO) ELEV=2583.94

STA 480+83±, 40'±RT 1-12"x22.5° BEND(RO) END DIP ELEV=2586.92

STA 481+21±, 40'±RT CONNECT TO EXIST ELEV=2487.40±

SERVICE WORK

CODE		ADDRESS / METER NUMBER/SIZE	PIPE, SIZES & QUANT. (IN FEET ±) 3/4"	1"	11/2"	2"
1	M R	400 W MAGEE ROAD 476+38, 96'LT ● 25220378 / 5/8"		8		
2	M R	410 W MAGEE ROAD 476+57, 93'LT ● 37889770 / 5/8"		12		
3	M R	8035 N ORACLE ROAD 476+57, 97'LT ● 36210562 / 5/8"		12		
4	M R	8001 N ORACLE ROAD 476+57, 99'LT 21144401 / 1 1/2"			12	
5	M R	8040 N ORACLE ROAD 482+68, 31'LT ● 39076885 / 2"				41
6	M R	298 W MAGEE ROAD 482+74, 31'LT 20706027 / 2"				41
7	M R	210 W MAGEE ROAD 483+82, 31'LT 20421218 / 2"				10
TOTAL QUANTITIES OF CU PIPE FOR SERVICE WORK ONLY				32	12	92

No.	Revision Description	Engineer	Date
1	MOVED FIRE HYDRANT	SHM	4/13

	Designed	Drawn	Checked	Proj. Engr.	Date
	SHM	SHM	AJH	AJH	11/12

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Registered Professional Engineer (Civil) 23732 SAMUEL H. MILLS Exp: 12/31

eps group, Inc. Engineers, Planners & Surveyors 8710 North Thornydale Road, Suite 140 Tucson, Arizona 85741 Phone (520) 408-1405 Fax (520) 408-1406

Arizona Blue Stake, Inc. 1-800-782-5348

MAGEE RD. WATER PLAN & PROFILE STA. 476+00 TO STA. 485+00
MAGEE RD. LA CAÑADA DR. - ORACLE RD. (SR 77) PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert.

Sheet W10 of W18

Plan No. 5-006-2012 Sht. 10 of 18

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_10-PLAN.dwg May 07, 2013 - 12:21:22pm

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	268	273	

SS693 01C

40' 0 40' 80'

SCALE: 1"=40'

***NOTE:
CONSTRUCT NEW WATERLINE & PRV AND MAKE IT THE LIVE SYSTEM. THEN CLOSE THE TWO VALVES AT THE EXISTING PRV. CUT/PLUG AND REMOVE ALL PRV ASSEMBLY & PIPE THAT IS NOT NEEDED IN THE SYSTEM. CONTRACTOR TO SUBMIT CONSTRUCTION SEQUENCING & RECEIVE APPROVAL OF TUCSON WATER PRIOR TO DOING WORK IN THIS AREA.

MAGEE ROAD
SEE SHEET W08

MAGEE ROAD
SEE SHEET W09

NORTHERN AVENUE

MAGEE ROAD

***PROPOSED PRV STATION (SEE SHEETS 15 & 16)

***STA 98+78±, 23'±RT TO STA 98+78±, 96'±LT
119 LF 8"DIP (CL 350)
1-8" VALVE B&C FLGxMJ

***STA 98+93±, 25'±LT TO STA 98+93±, 96'±LT
71 LF 8"DIP (CL 350)
1-8" VALVE B&C FLGxMJ

SEE DETAIL C SHEET W14 FOR PROFILE

SEE DETAIL B SHEET W14 FOR PROFILE

SEE DETAIL A SHEET W14 FOR PROFILE

SEE THIS SHEET RT FOR PROFILE

SEE THIS SHEET LT FOR PROFILE

SEE SHEET W09 FOR INSTALLATION

STA 101+98±, 20'±LT TO STA 103+28±, 20'±LT
130 LF± REMOVE AND DISPOSE EXIST 6" CA

STA 101+98±, 20'±LT TO STA 103+28±, 20'±LT
132 LF 6"DIP (CL 350)
1-6"CONNECTION TO CA (S)
1-6"CONNECTION TO CA (N)

STA 97+87±, 28'±RT TO STA 99+40±, 21'±RT
154 LF 8"DIP (CL 350)
1-8"x8"x8" TEE
1-8"CONNECTION PVC (S)
1-8"CONNECTION PVC (N)

STA 97+87±, 28'±RT TO STA 99+40±, 21'±RT
153 LF± REMOVE AND DISPOSE EXIST 8" CA

STA 101+16±, 44'±RT TO STA 102+95±, 40'±RT
181 LF 12"DIP (CL 350)
1-12"CONNECTION AC (S)
1-12"CONNECTION AC (N)

STA 101+16±, 44'±RT TO STA 102+95±, 40'±RT
179 LF± REMOVE AND DISPOSE EXIST 12" CA

STA 101+18±, 44'±RT (CONNECTION TO PIPE)
10 LF 1" CU
STA 101+18±, 54'±RT (LOCATION OF ARV)
1-1" ARV PER W-330

STA 467+83.63 (MAGEE RD)= STA 100+00.00 (NORTHERN AVE)

***STA 98+78±, 25'±LT TO STA 100+50±, 79'±LT
226 LF 12"PVC (CL 305)
1-12"x8" TAPPING SLEEVE & VALVE B&C
1-12"x8" REDUCER
2-12"x90° BEND
1-12"x8"x12" TEE
1-8"x12"x8" TEE
1-12" CLOSED VALVE B&C MJxMJ

STA 99+38±, 25'±RT
1-12"x8" TAPPING SLEEVE & VALVE B&C

UPSTREAM VALVE LOCATED APPROX. 380' TO THE SOUTH OF 8" CONNECTION

UPSTREAM VALVE LOCATED APPROX. 310' TO THE NORTH OF 8" CONNECTION

UPSTREAM VALVE LOCATED APPROX. 1030' TO THE NORTH OF 8" CONNECTION

CONSTRUCTION CENTERLINE & SECTION LINE

FN 2824
6"CA
ZONE C

PN 074-2005
8"PVC
ZONE D

PN 001-1983
12"CA
ZONE D

PN251-1994
12" PVC
ZONE C

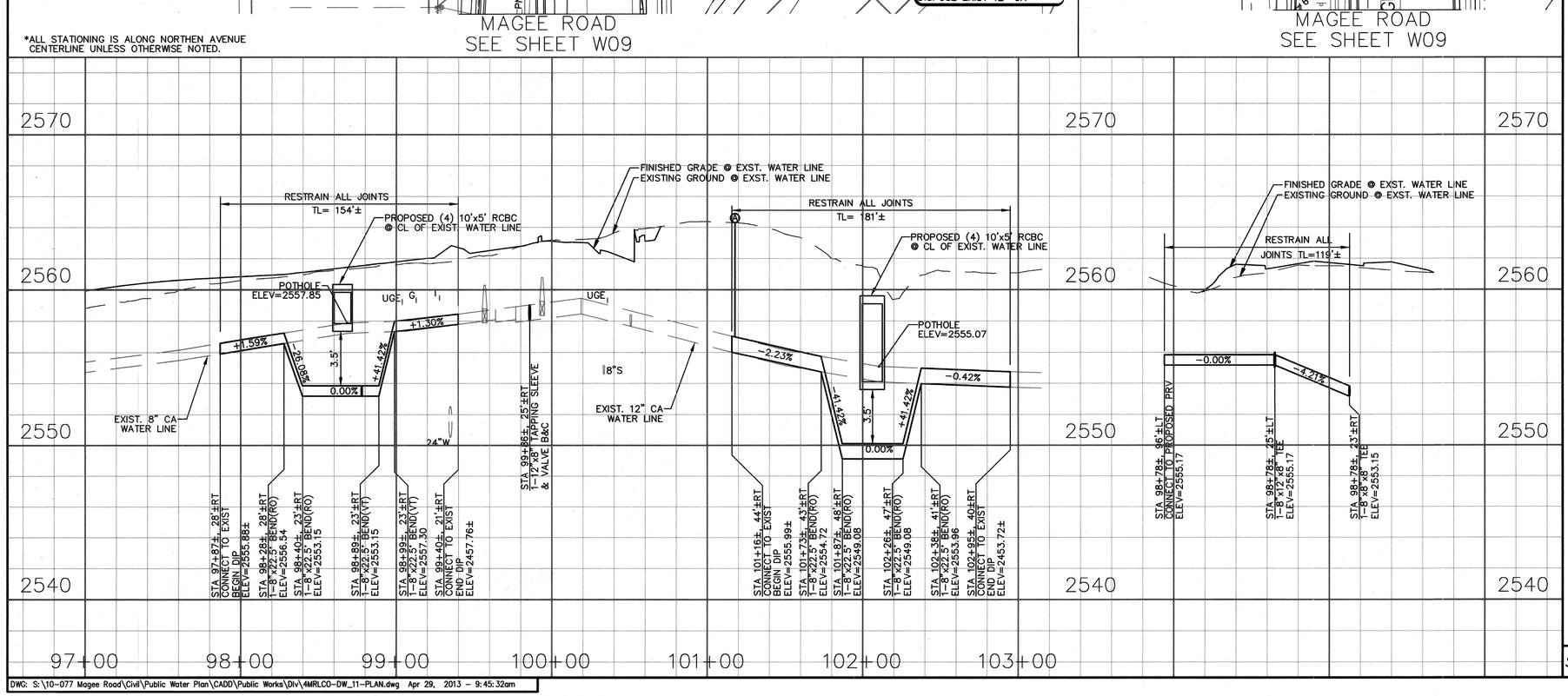
PN103-1990
12" PVC
ZONE C

PN103-1990
12" DI
ZONE C

PN103-1990
10" PVC
ZONE C

PN103-1990
12" PVC
ZONE D

*ALL STATIONING IS ALONG NORTHEN AVENUE CENTERLINE UNLESS OTHERWISE NOTED.



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Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	SHM	11/12
	Drawn	SHM	11/12
	Checked	ALM	11/12
	Proj. Engr.	ALM	11/12

eps group, inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1488 Fax (520) 408-1463

Registered Professional Engineer (Civil) 43732 SAMUEL H. MILLS Expires: 12/31

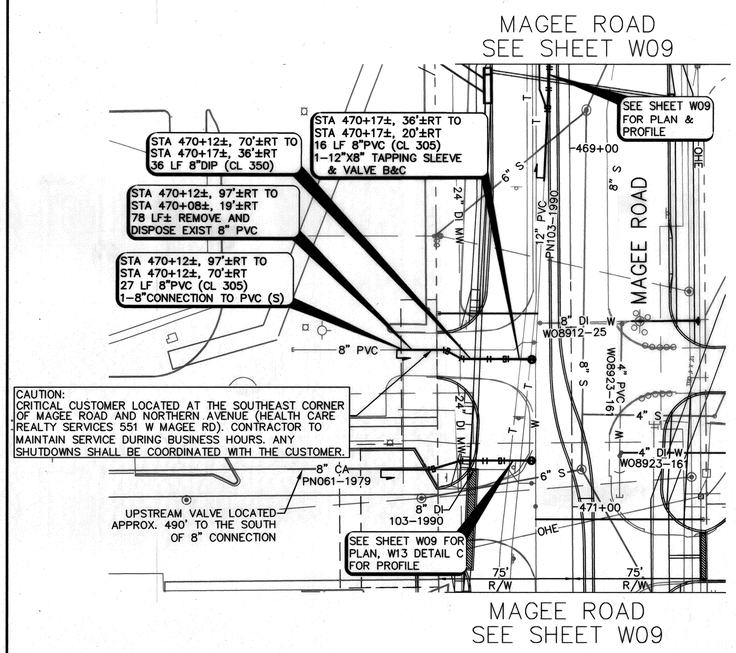
Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 4+76+00 TO STA. 485+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

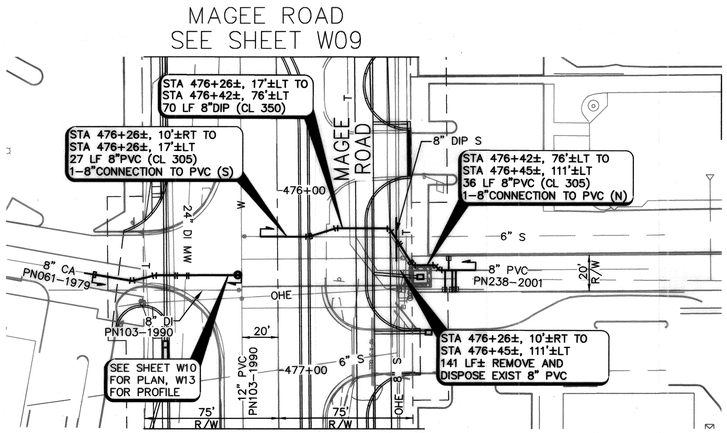
MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert.

Sheet W11 of W18

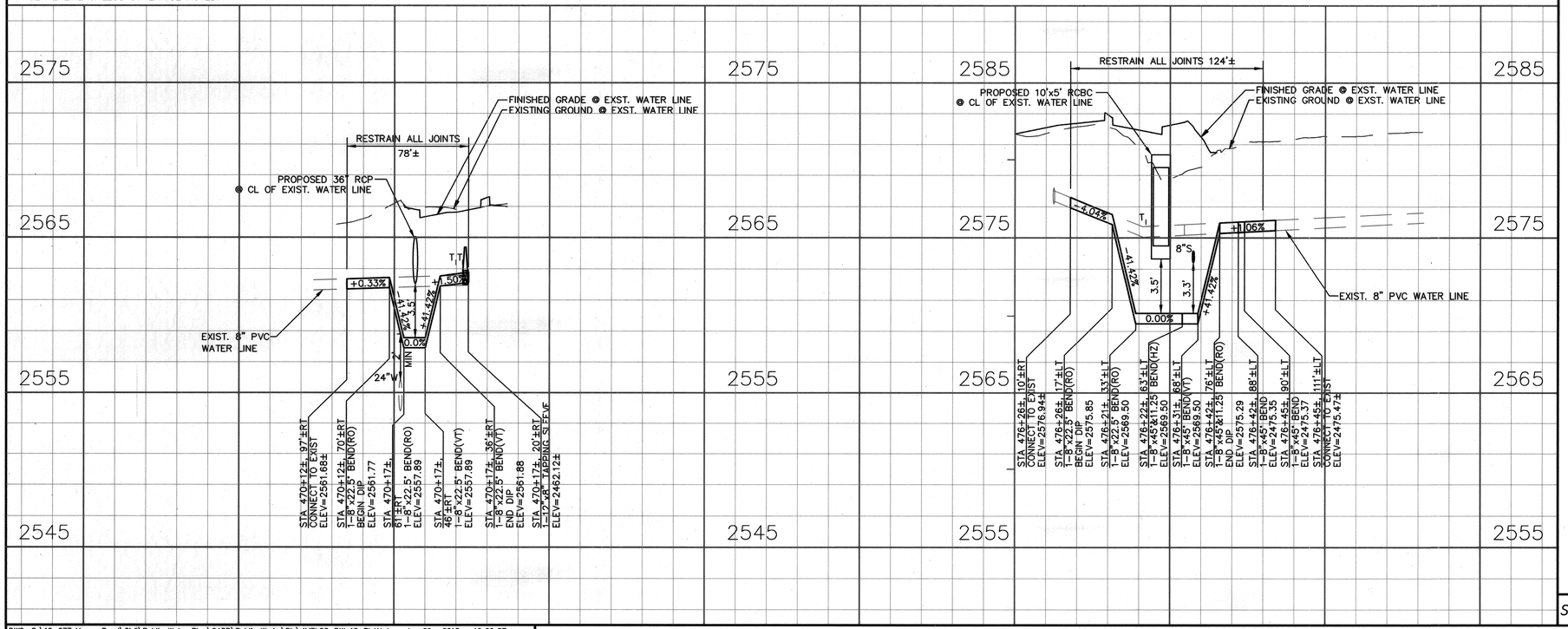


DETAIL A



DETAIL B

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.



DETAIL A

DETAIL B

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\Div\4MRLCO-DW_12-PLAN.dwg Apr 29, 2013 - 10:00:57am

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	269	273	

SS693 01C

40' 0 40' 80'

SCALE: 1"=40'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	SHW	11/12
Drawn	SHW	11/12
Checked	A.M	11/12
Proj. Engr.	A.M	11/12

Registered Professional Engineer (Civil) 43732 SAMUEL H. MILLS Date Signed 10/31/12 Exp. Date: 12/31/13

eps group, inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85741
Phone (520) 408-1400 Fax (520) 408-1402

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Pima County Department of Transportation

MAGEE RD. WATER PLAN & PROFILE
STA. 467+00 TO STA. 478+00
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

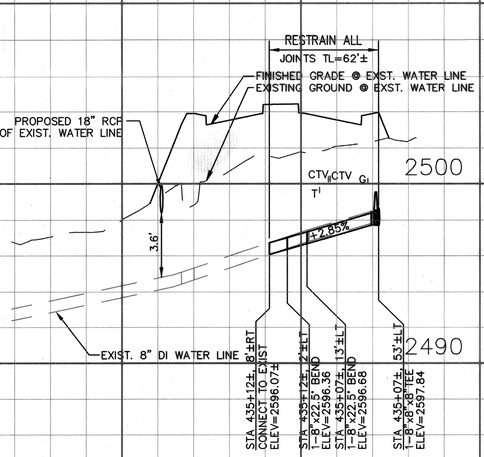
MAGEE RD. IMPROVEMENTS – LA CAÑADA DR. TO ORACLE RD. (SR 77) – PROJECT NO. 4MRLCO

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet W12 of W18	Page 269 of 273

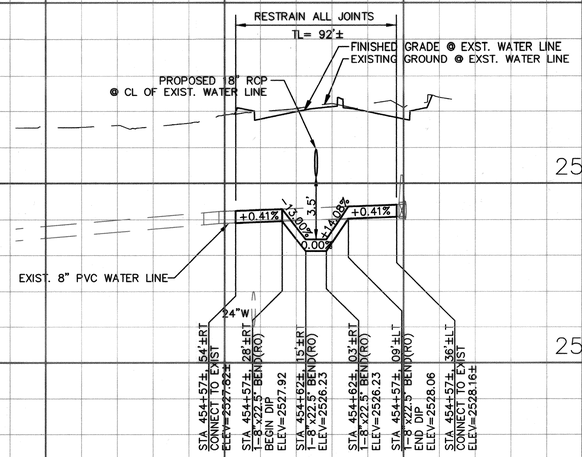
Plan No. 5-006-2012 Sht. 12 of 18

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(209)A	270	273	

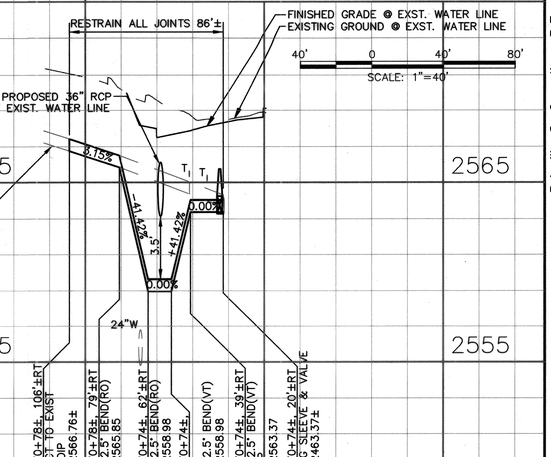
SS693 01C



DETAIL A
SEE SHEET W05

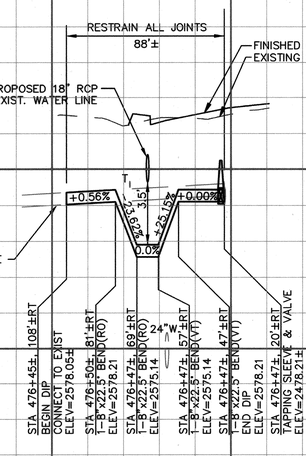


DETAIL B
SEE SHEET W07

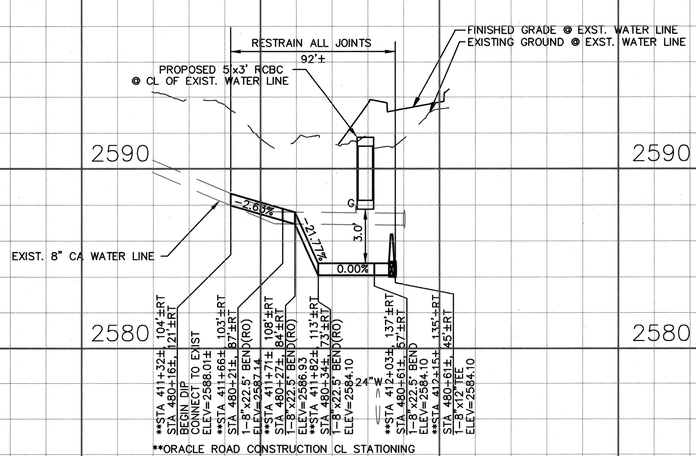


DETAIL C
SEE SHEET W09

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

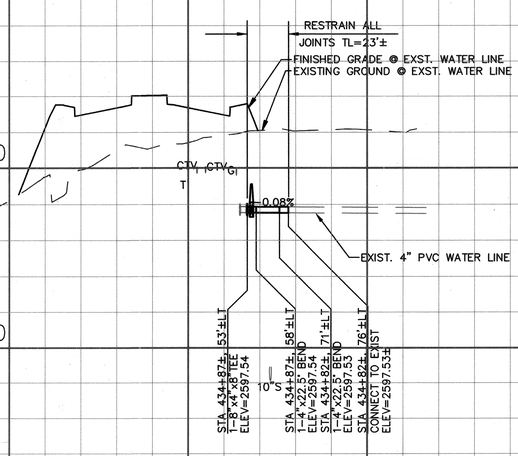


DETAIL D
SEE SHEET W10



**ORACLE ROAD CONSTRUCTION CL STATIONING

DETAIL E
SEE SHEET W10



DETAIL F
SEE SHEET W05

*ALL STATIONING IS ALONG MAGEE ROAD CENTERLINE UNLESS OTHERWISE NOTED.

DWG: S:\10-077 Magee Road\Civil\Public Water Plan\CADD\Public Works\DIV\4MRLCO-DW_13-PROFILE.dwg Apr 29, 2013 - 10:04:47am

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	SHM	11/12
Drawn	SHM	11/12
Checked	AJH	11/12
Proj. Engr.	AJH	11/12

Registered Professional Engineer (Civil) No. 43732 SAMUEL H. MILLS Date Signed 12/31/12 Expires: 12/31/13

eps group, Inc.
Engineers, Planners & Surveyors
8710 North Thornydale Road, Suite 140
Tucson, Arizona 85742
Phone (520) 408-1481 Fax (520) 408-1460

Arizona Blue Stake, Inc. 1-800-782-5348

Pima County Department of Transportation

MAGEE RD. WATER PROFILES
MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

MAGEE RD. IMPROVEMENTS - LA CAÑADA DR. TO ORACLE RD. (SR 77) - PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet W13 of W18 | Page 270 of 273

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