MAGEE RD. IMPROVEMENTS
LA CAÑADA DR. TO ORACLE RD. (S.R. 77)

PIMA COUNTY DOT

PIMA COUNTY BOARD OF SUPERVISORS

ANN DAY, DISTRICT 1
RAMON VALADEZ, CHAIRMAN, DISTRICT 2
SHARON BRONSON, DISTRICT 3
RAY CARROLL, DISTRICT 4
RICHARD ELIAS, DISTRICT 5

PROJECT IN SUPERVISOR DISTRICT 1

GENERAL DESCRIPTION OF PROJECT

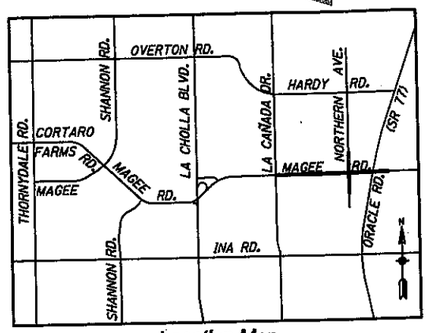
IMPROVEMENTS TO 1.35 MILES OF MAGEE RD. FROM LA CAÑADA DR. TO ORACLE RD. INCLUDING THE CONSTRUCTION OF A FOUR LANE ROADWAY WITH MEDIANS, CURBS, SIDEWALKS, AND DRAINAGE FACILITIES.

PROJECT NUMBER

4MRLCO

STP-PPM-0(209)A

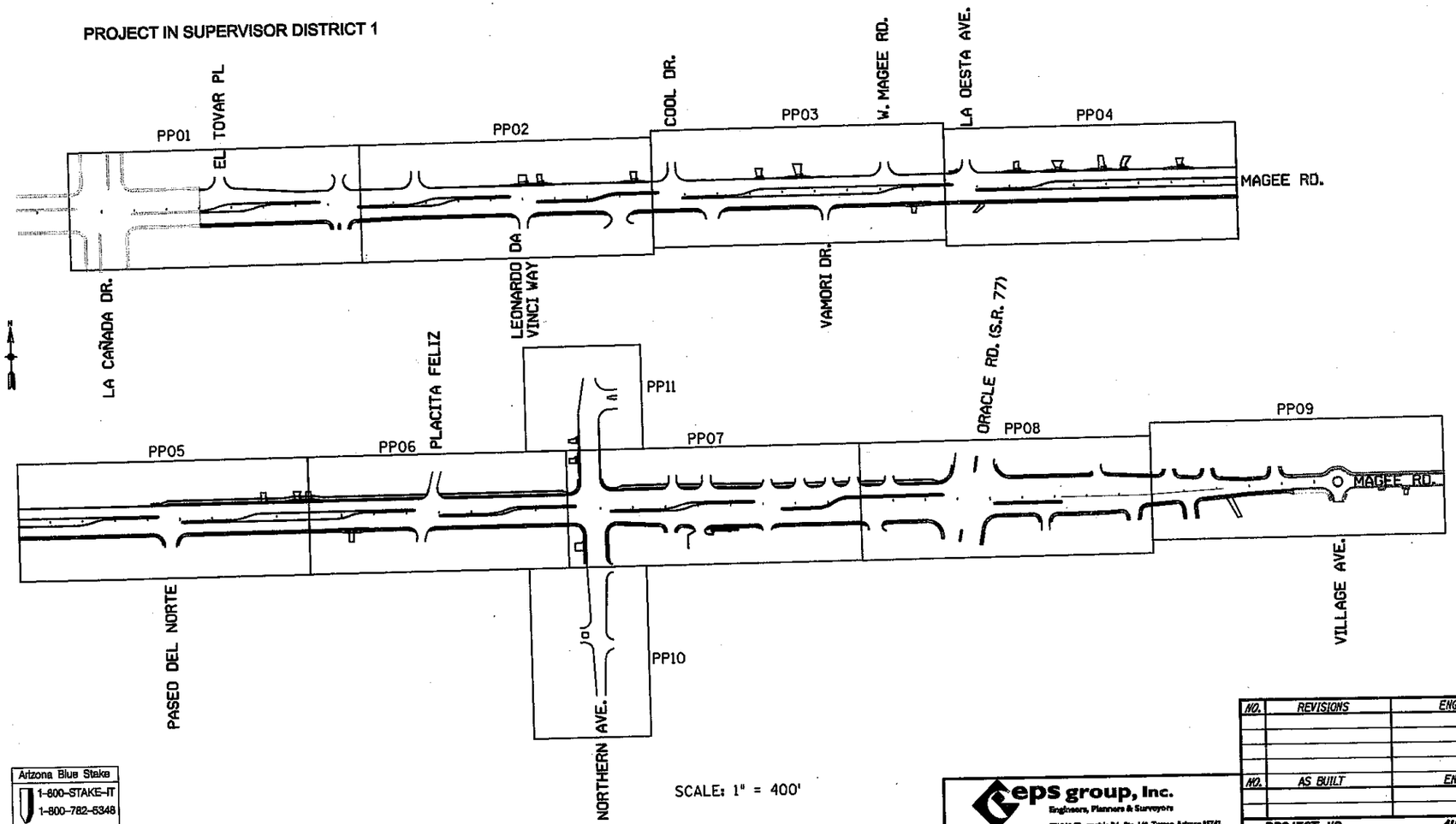
0000 PM PPM SS693 01C



Location Map

NOT TO SCALE

Section 25, 26, 35, 36
T-12-S, R-13-E,
G & S R & M
Pima County, Arizona



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TP01	3	PAVEMENT STRUCTURAL SECTIONS
TP02 – TP04	4 – 6	TYPICAL SECTIONS
S01 – S04	7 – 10	SUMMARY SHEETS
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HC01 – HC04	13 – 16	HORIZONTAL CONTROL SHEETS
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Pima County Department of Transportation
201 N. Stone Ave. 4th floor Tucson, Arizona 85701
Phone Number: 740-6410
Priscilla S. Cornelio, P.E. Director

NO.	REVISIONS	ENGINEER	DATE
NO.	AS BUILT	ENGINEER	DATE

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

REVIEWED BY	ENGINEER	DATE
MGR. TRANS ENGR.		
MGR. TRAFFIC ENGR.		
MGR. FIELD ENGR.		
MGR. WWM		
MGR. TUCSON WATER		

APPROVED: _____ 20__

DIRECTOR

PROJECT NO. 4MRLCO

SHEET NO. CS01 OF CS01

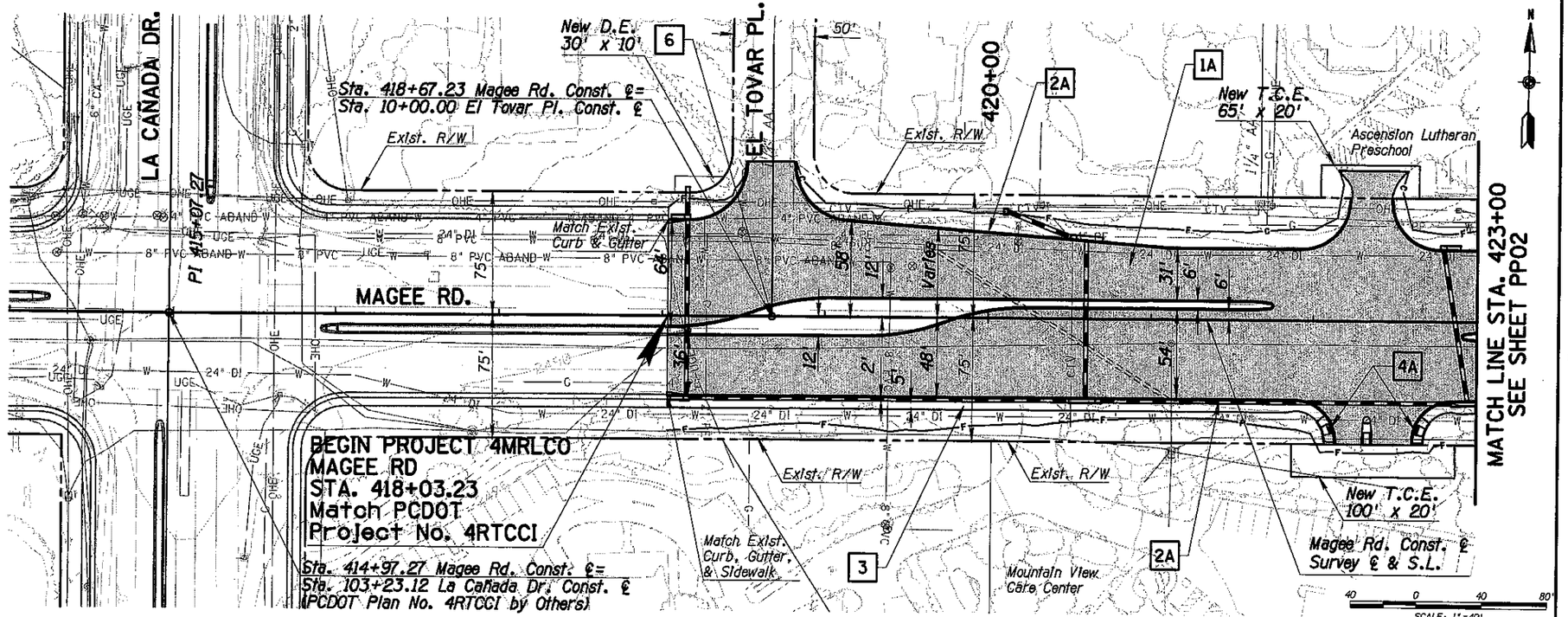
PAGE NO. 1 OF 191

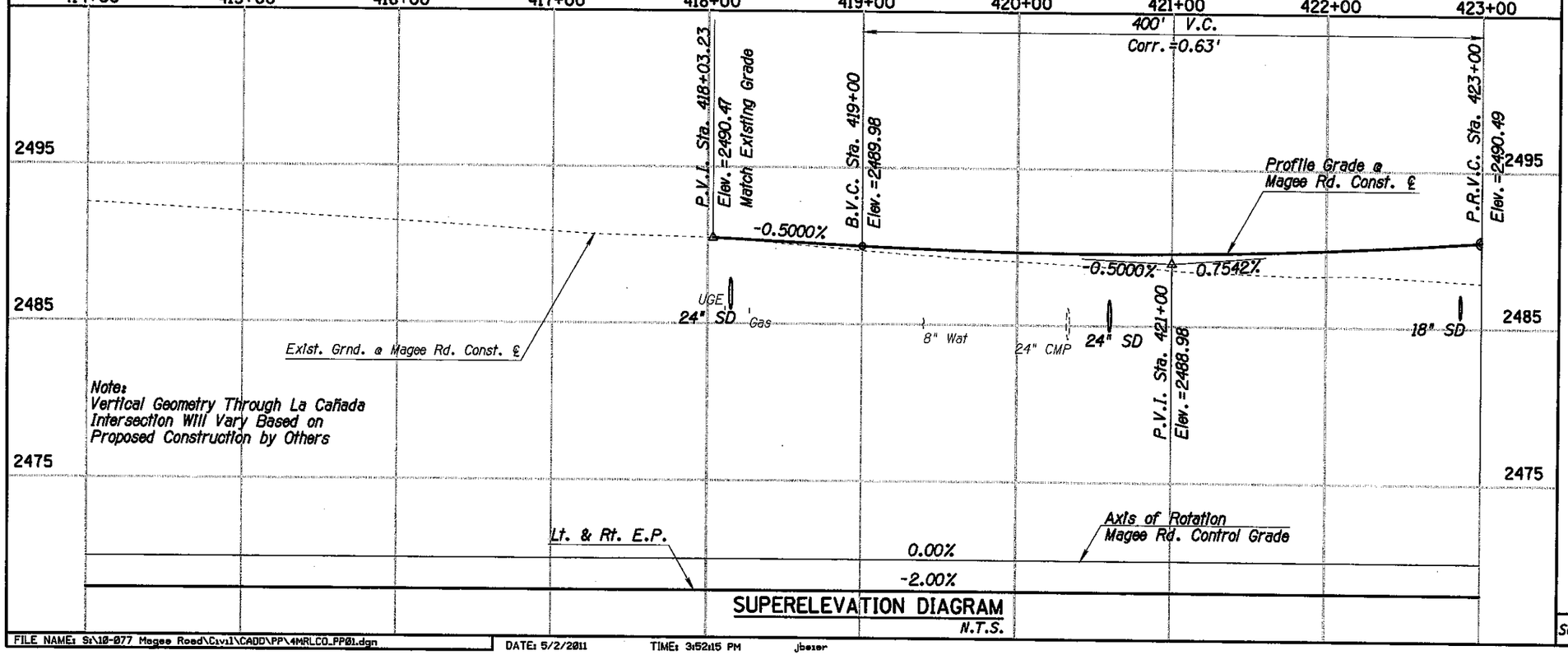
Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call Two Working Days Before You Dig

eps group, Inc.
Engineers, Planners & Surveyors
8710 N. Thornydale Rd., Ste. 144, Tucson, Arizona 85742
Phone (520) 485-1402 Fax (520) 485-1483

FILE NAME: S:\10-077 Magee Road\Civil\CADD\CS\Stage III\4MRLCO_CS01.dgn DATE: 4/30/2011 TIME: 3:03:28 PM bnordby

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





Items:

1 Pavement
- A Structural Section 1 Install 48,502 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 1,664 L.F.

3 Concrete Sidewalk Item #9080201 Install 2,203 S.F.

4 Curb Access Ramps
- A Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 2 Each

6 Survey Monument, Frame and Cover Item #9090021 Install 1 Each

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/DB/RGN	4/11
Drawn	MDC/DB/RGN	4/11
Checked	JDS	4/11
Proj. Engr.	MJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

eps group, inc. Engineers, Planners & Surveyors

Arizona Blue Stake 1-800-STAKE-IT 1-602-782-5348

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
STA. 414+00 TO STA. 423+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP01 of PP11 | Page 17 of 191

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

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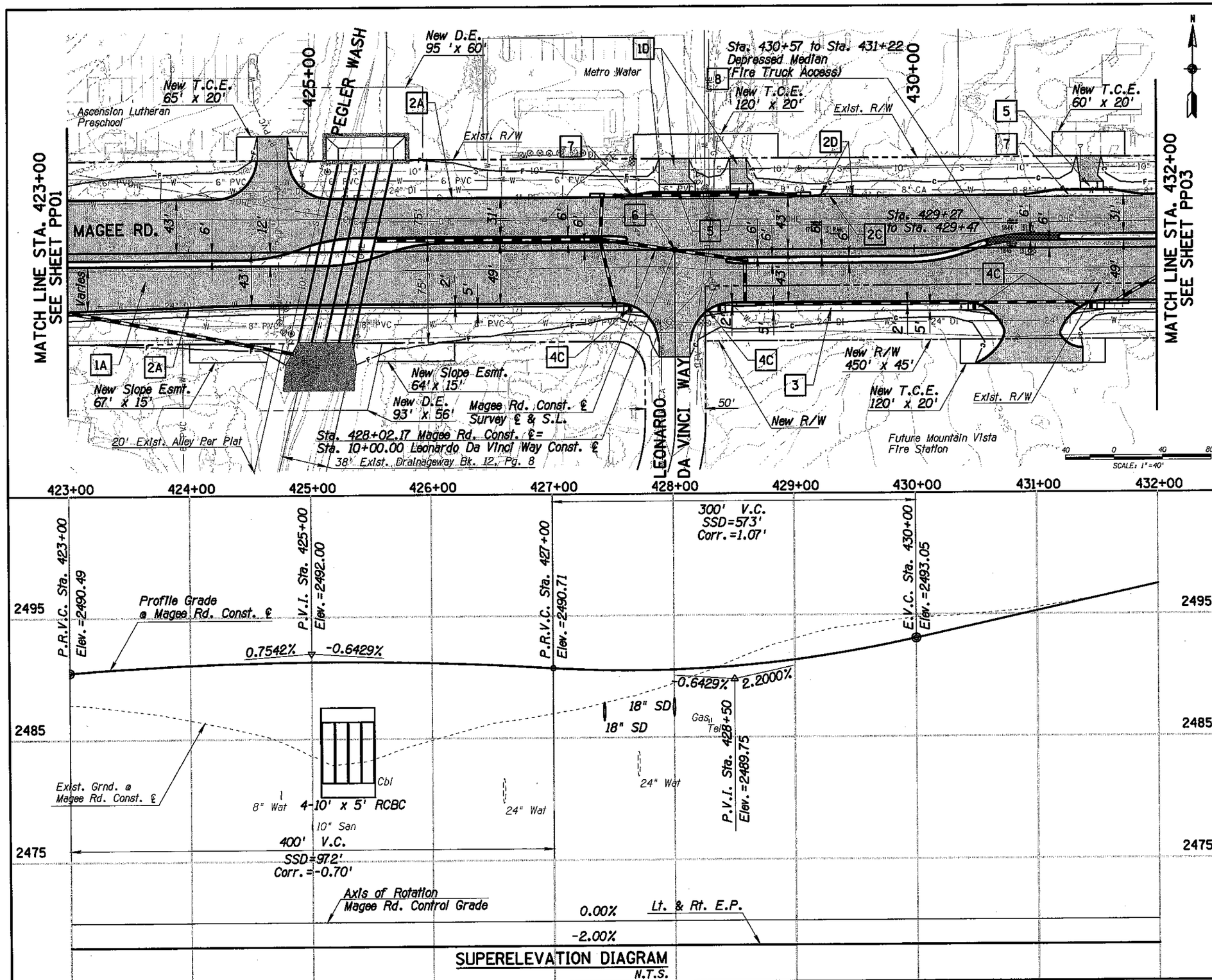

SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 Pavement
- A Structural Section 1 Install 78,717 S.F.
- D Structural Section 4 Install 303 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 3,070 L.F.
- C Concrete Wedge Curb (PC/COT Dtl. 209) Item #9080006 Install 20 L.F.
- D Concrete Curb Transition (PC/COT Dtl. 210) Item #9080112 Install 20 L.F.

3 Concrete Sidewalk Item #9080201 Install 3,426 S.F.

4 Curb Access Ramps
- C Curb Access Ramp, PC/COT Dtl. 207 (Type 3) Item #9080282 Install 4 Each

5 Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 837 S.F.

6 Survey Monument, Frame and Cover Item #9090021 Install 1 Each

7 Portland Cement Concrete Pavement Item #4010001 Install 118 S.Y. See Detail RD02

8 Concrete Median Pavement Item #9080150 Install 357 S.F.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/JDB/BGN	4/11
Drawn	MDC/JDB/BGN	4/11
Checked	JDS	4/11
Proj. Engr.	AJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET STA. 4234+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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | SheetPP02 of PP11 | Page 18 of 191

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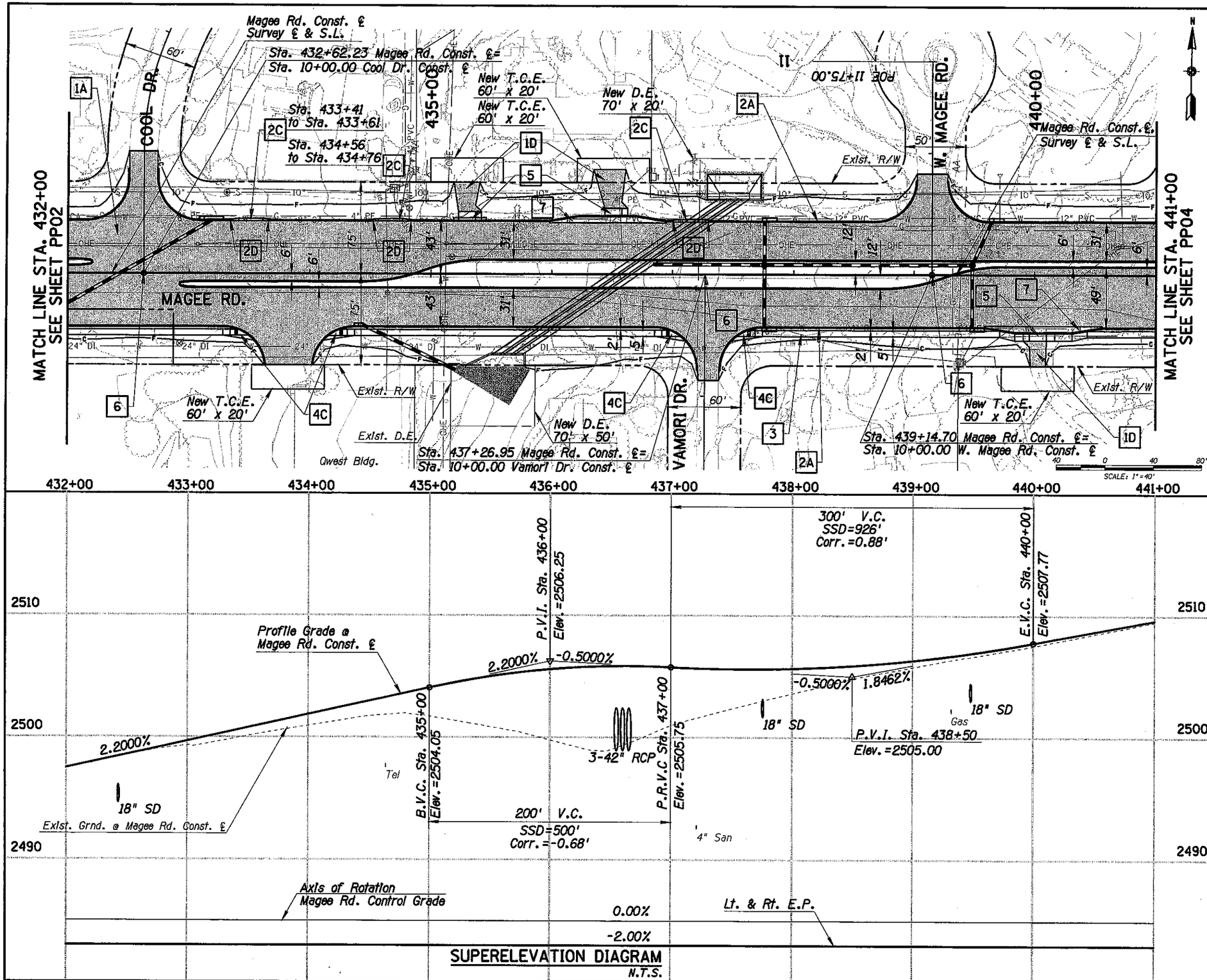

SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 Pavement
- A Structural Section 1 Install 70,901 S.F.
- D Structural Section 4 Install 1,363 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 3,190 L.F.
- C Concrete Wedge Curb (PC/COT Dtl. 209) Item #9080006 Install 60 L.F.
- D Concrete Curb Transition (PC/COT Dtl. 210) Item #9080112 Install 60 L.F.

3 Concrete Sidewalk Item #9080201 Install 3,290 S.F.

4 Curb Access Ramps
- C Curb Access Ramp, PC/COT Dtl. 207 (Type 3) Item #9080282 Install 4 Each

5 Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 442 S.F.

6 Survey Monument, Frame and Cover Item #9090021 Install 3 Each

7 Portland Cement Concrete Pavement Item #4010001 Install 86 S.Y. See Detail RD02

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/JDB/BGN	4/11
Drawn	MDC/JDB/BGN	4/11
Checked	JDS	4/11
Proj. Engr.	AJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
STA. 432+00 TO STA. 441+00

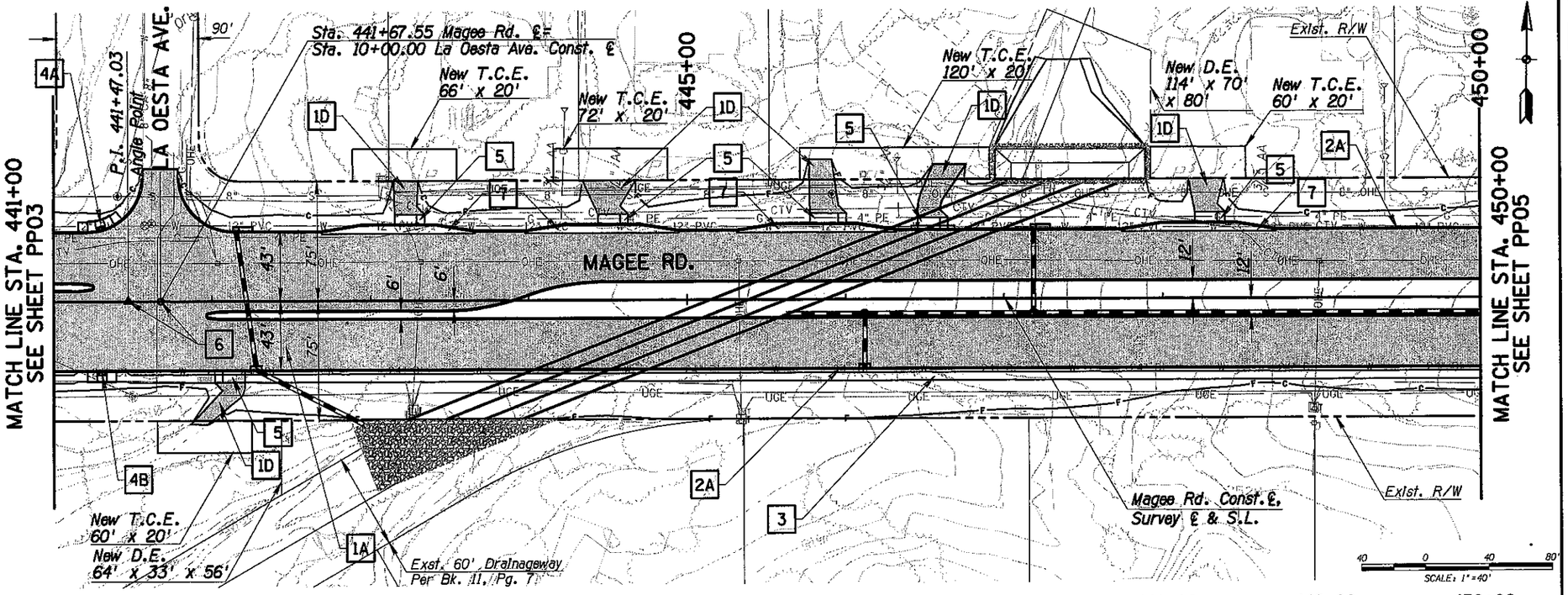
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

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

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

SheetPP03 of PP11

FILE NAME: S:\10-077 Magee Road\Civil\CADD\PP\4MRLCO_PP03.dgn DATE: 5/2/2011 TIME: 3:54:21 PM jbeier



SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 *Pavement*
- A *Structural Section 1 Install 29,660 S.F.*
- D *Structural Section 4 Install 2,696 S.F.*

2 *Curb*
- A *Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 3,247 L.F.*

3 *Concrete Sidewalk Item #9080201 Install 4,330 S.F.*

4 *Curb Access Ramps*
- A *Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 1 Each*
- B *Curb Access Ramp, PC/COT Dtl. 207 (Type 2) Item #9080281 Install 1 Each*

5 *Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 912 S.F.*

6 *Survey Monument, Frame and Cover Item #9090021 Install 2 Each*

7 *Portland Cement Concrete Pavement Item #4010001 Install 173 S.Y. See Detail RD02*

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP04 of PP11

Priscilla S. Cornelio, P.E., Director

Designed	MDC/JAB/BGN	4/11
Drawn	MDC/JAB/BGN	4/11
Checked	JJS	4/11
Proj. Engr.	AJH	4/11

No.	Revision Description	Engineer	Date

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348)

Pima County Department of Transportation
ROADWAY PLAN & PROFILE SHEET
STA. 441+00 TO STA. 450+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

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

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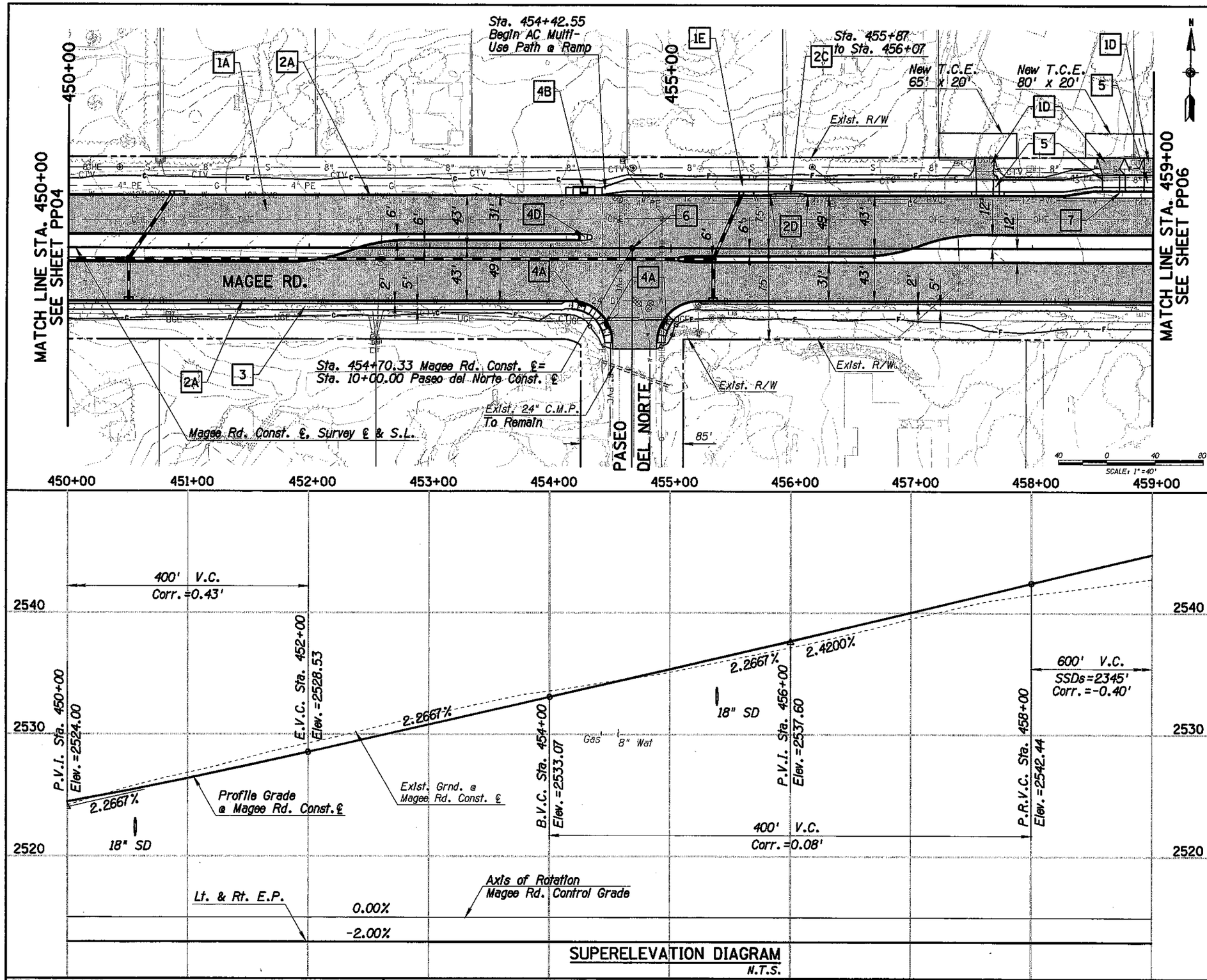

SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 Pavement
- A Structural Section 1 Install 66,641 S.F.
- D Structural Section 4 Install 646 S.F.
- E Structural Section 5 Install 4,079 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 3,236 L.F
- C Concrete Curb (PC/COT Dtl. 209) Item #9080006 Install 20 L.F.
- D Concrete Curb (PC/COT Dtl. 210) Item #9080112 Install 20 L.F.

3 Concrete Sidewalk Item #9080201 Install 4,268 S.F.

4 Curb Access Ramps
- A Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 3 Each
- B Curb Access Ramp, PC/COT Dtl. 207 (Type 2) Item #9080281 Install 1 Each
- D Median Refuge Area (Type 1) Item #9080285 Install 1 Each

5 Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 654 S.F.

6 Survey Monument, Frame and Cover Item #9090021 Install 1 Each

7 Portland Cement Concrete Pavement Item #4010001 Install 44 S.Y. See Detail RD02

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/JDB/BGN	4/11
Drawn	MDC/JDB/BGN	4/11
Checked	JDS	4/11
Proj. Engr.	AJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Engineers, Planners & Surveyors

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Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET 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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | SheetPP05 of PP11 | Page 21 of 191

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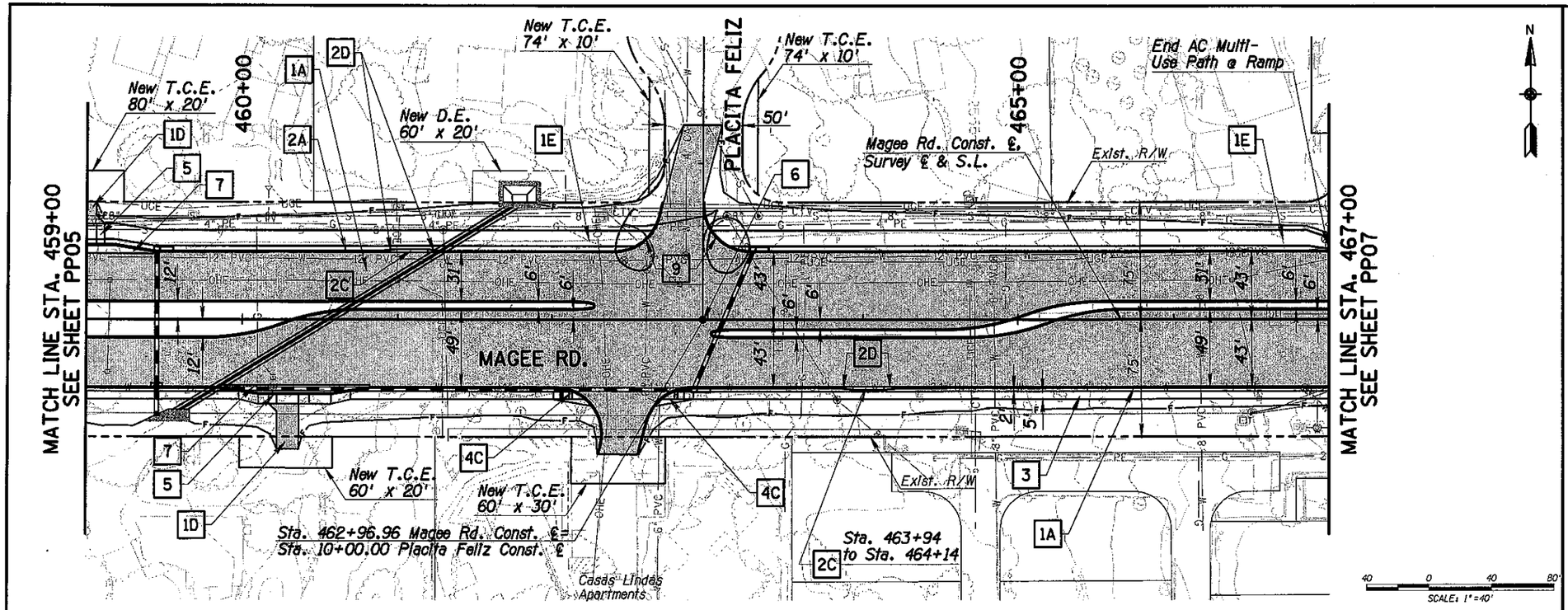

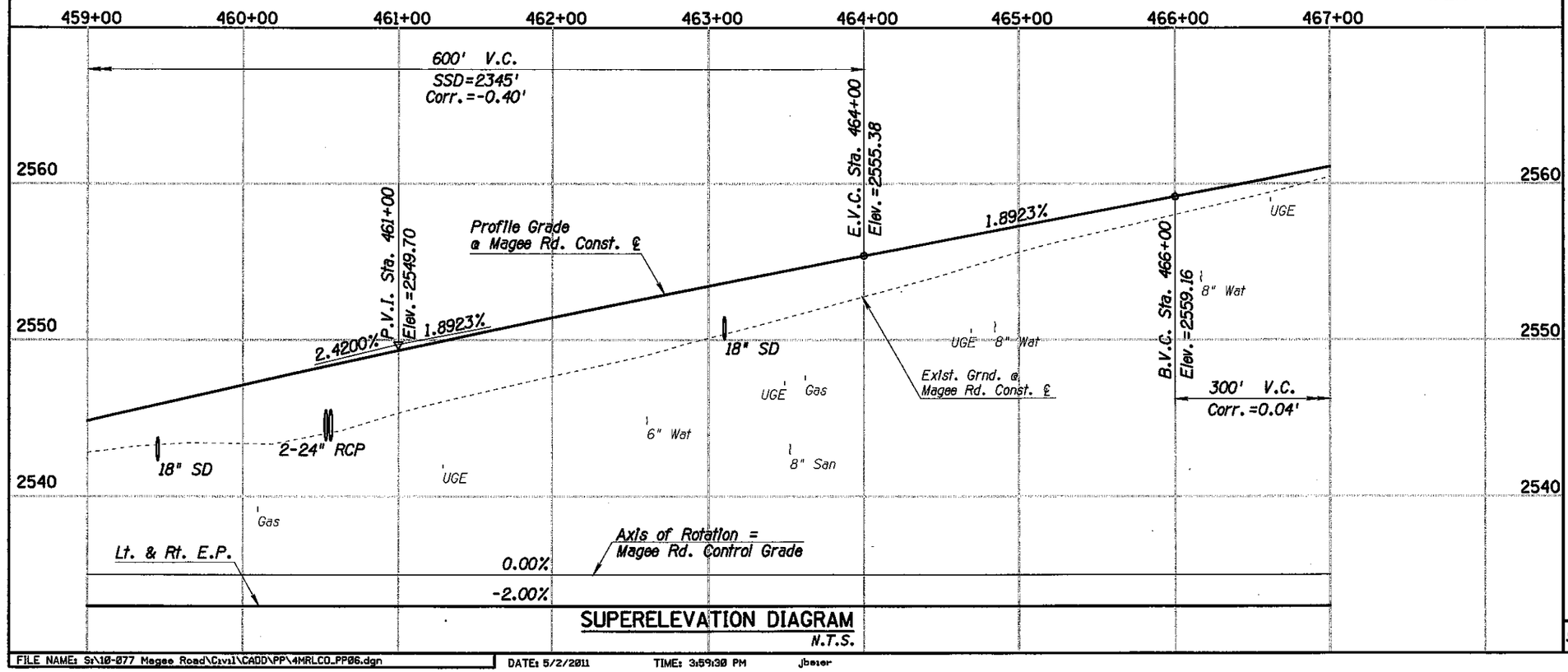

SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 *Pavement*
- A *Structural Section 1* — *Install 65,764 S.F.*
- D *Structural Section 4* — *Install 416 S.F.*
- E *Structural Section 5* — *Install 7,393 S.F.*

2 *Curb*
- A *Concrete Curb (PC/COT Dtl. 209) (Type 1)* — *Item #9080001 Install 2,930 L.F.*
- C *Concrete Wedge Curb (PC/COT Dtl.209)* — *Item #9080006 Install 40 L.F.*
- D *Concrete Curb Transition (PC/COT Dtl. 210)* — *Item #9080112 Install 40 L.F.*

3 *Concrete Sidewalk* — *Item #9080201 Install 3,456 S.F.*

4 *Curb Access Ramps*
- C *Curb Access Ramp, PC/COT Dtl. 207 (Type 3)* — *Item #9080282 Install 2 Each*

5 *Concrete Driveway* — *PC/COT Dtl. 206* — *Item #9080301 Install 294 S.F.*

6 *Survey Monument, Frame and Cover* — *Item #9090021 Install 1 Each*

7 *Portland Cement Concrete Pavement* — *Item #4010001 Install 61 S.Y.* — *See Detail RD02*

9 *Concrete Header* — *Item #9080402 Install 69 L.F.*

Scale: 1" = 40' Horiz. / 1" = 4' Vert. | Sheet PP06 of PP11

Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation
ROADWAY PLAN & PROFILE SHEET
STA. 459+00 TO STA. 467+00
MAGEE RD.
LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

No.	Revision Description	Date

Designed MDC/ADB/RGH 4/11
Drawn MDC/ADB/RGH 4/11
Checked ADB 4/11
Proj. Engr. AJH 4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

eps group, inc. Engineers, Planners & Surveyors

Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

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

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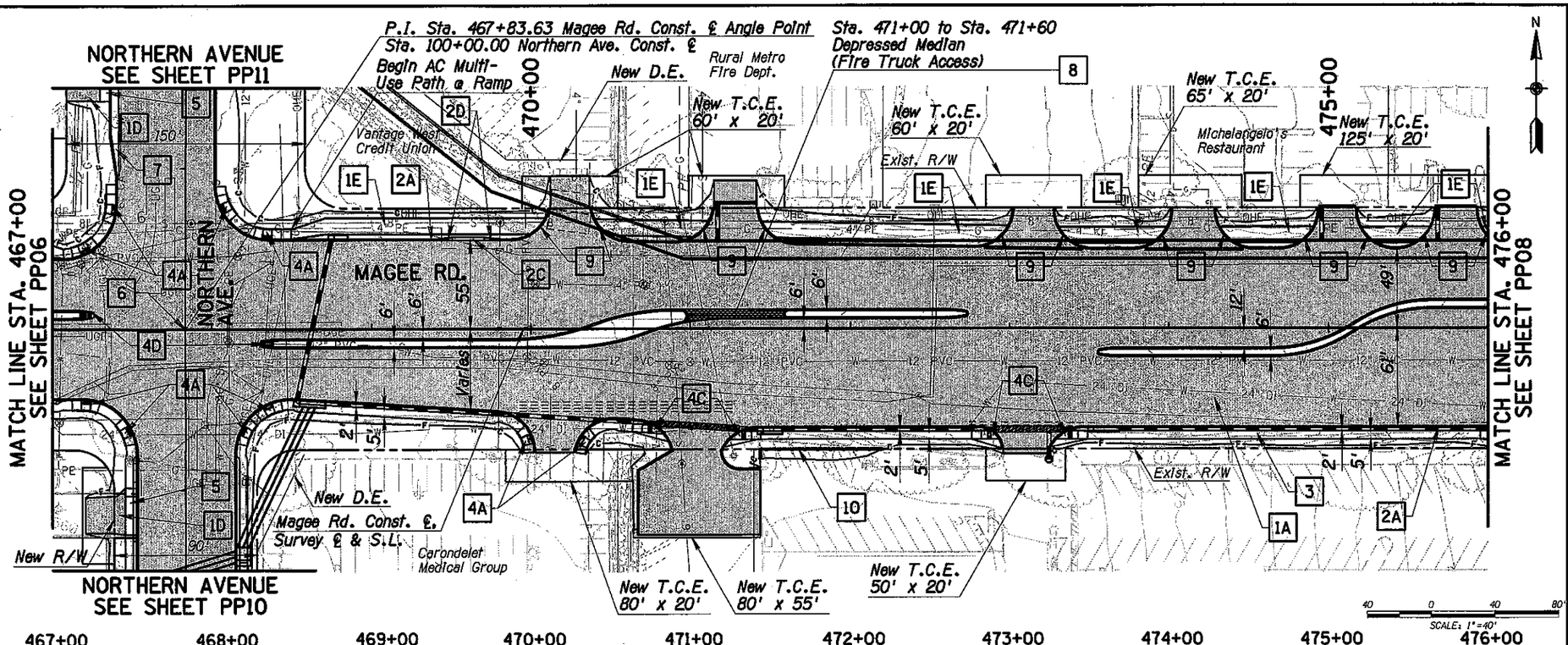

Items:

1 Pavement
- A Structural Section 1 Install 100,174 S.F.
- D Structural Section 4 Install 581 S.F.
- E Structural Section 5 Install 5,111 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 3,011 L.F.
- C Concrete Wedge Curb PC/COT Dtl. 209 Item #9080006 Install 20 L.F.
- D Concrete Curb Transition PC/COT Dtl. 210 Item #9080112 Install 20 L.F.

3 Concrete Sidewalk Item #9080201 Install 2,547 S.F.

4 Curb Access Ramps
- A Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 10 Each
- C Curb Access Ramp, PC/COT Dtl. 207 (Type 3) Item #9080282 Install 4 Each
- D Median Refuge Area (Type 1) Item #9080285 Install 2 Each

5 Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 314 S.F.

6 Survey Monument, Frame and Cover Item #9090021 Install 1 Each

7 Portland Cement Concrete Pavement Item #4010001 Install 25 S.Y. See Detail RD02

8 Concrete Median Pavement Item #9080150 Install 387 S.F.

9 Concrete Header Item #9080402 Install 292 L.F.

10 Concrete Retaining Wall Item #6010220 Install 328 S.F.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Date
Designed	MDC/DBF/DGH 4/11
Drawn	MDC/DBF/DGH 4/11
Checked	JDS 4/11
Proj. Engr.	AJH 4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Arizona Blue Stake 13666 1-800-STAKE-IT 1-800-782-5348

Pima County Department of Transportation
ROADWAY PLAN & PROFILE SHEET
STA. 467+00 TO STA. 476+00
MAGEE RD. - LA CAÑADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP07 of PP11 | Page 23 of 191

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

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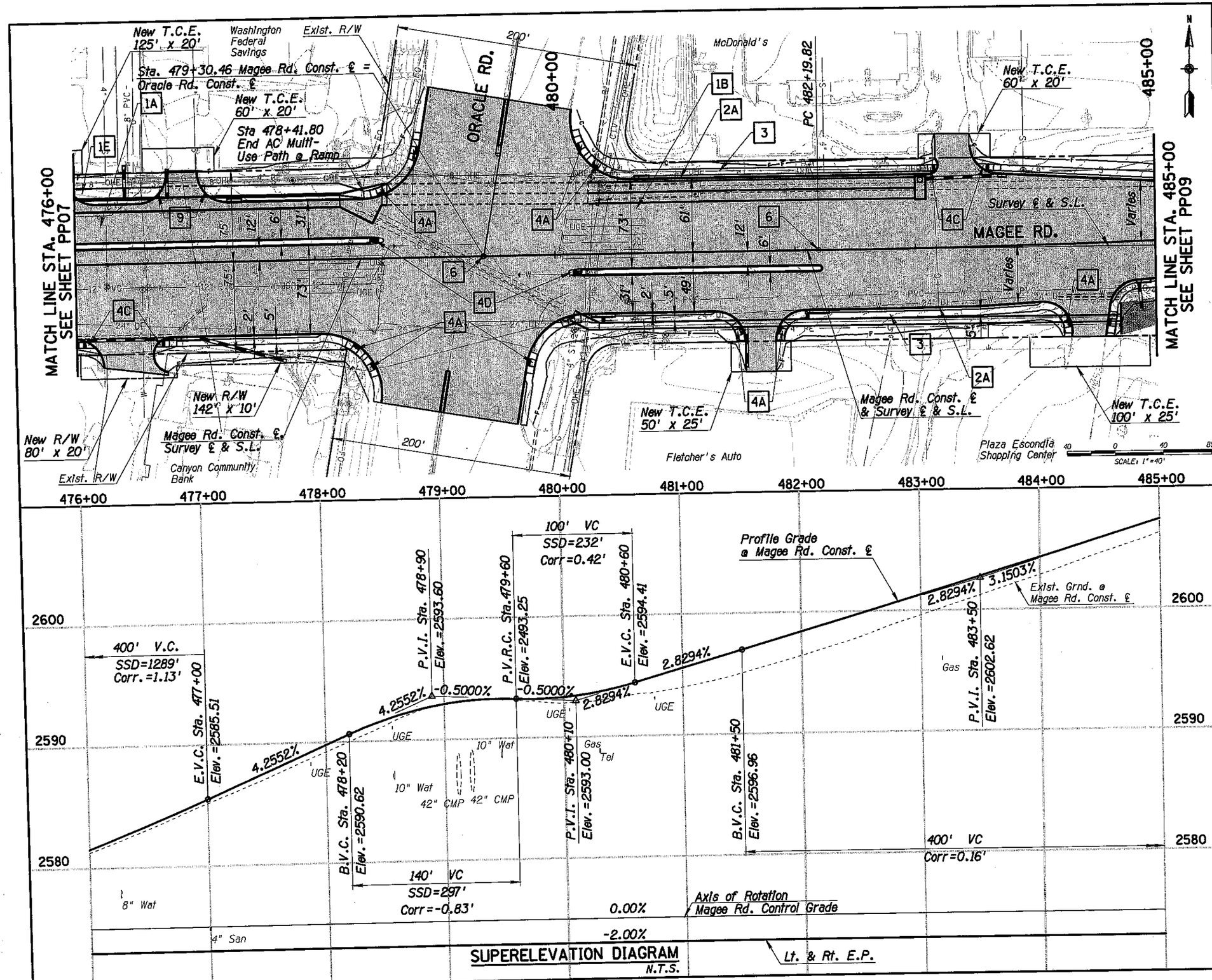

SUPERELEVATION DIAGRAM
N.T.S.

Items:

1 Pavement
- A Structural Section 1 Install 63,844 S.F.
- B Structural Section 2 Install 46,554 S.F.
- E Structural Section 5 Install 1,963 S.F.

2 Curb
- A Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 2,601 L.F.

3 Concrete Sidewalk Item #9080201 Install 8,074 S.F.

4 Curb Access Ramps
- A Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 12 Each
- C Curb Access Ramp, PC/COT Dtl. 207 (Type 3) Item #9080282 Install 4 Each
- D Median Refuge Area (Type 1) Item #9080285 Install 2 Each

6 Survey Monument, Frame and Cover Item #9090021 Install 2 Each

9 Concrete Header Item #9080402 Install 52 L.F.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/JDB/BGN	4/11
Drawn	MDC/JDB/BGN	4/11
Checked	JDS	4/11
Proj. Engr.	AJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

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Engineers, Planners & Surveyors

Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

Pima County Department of Transportation

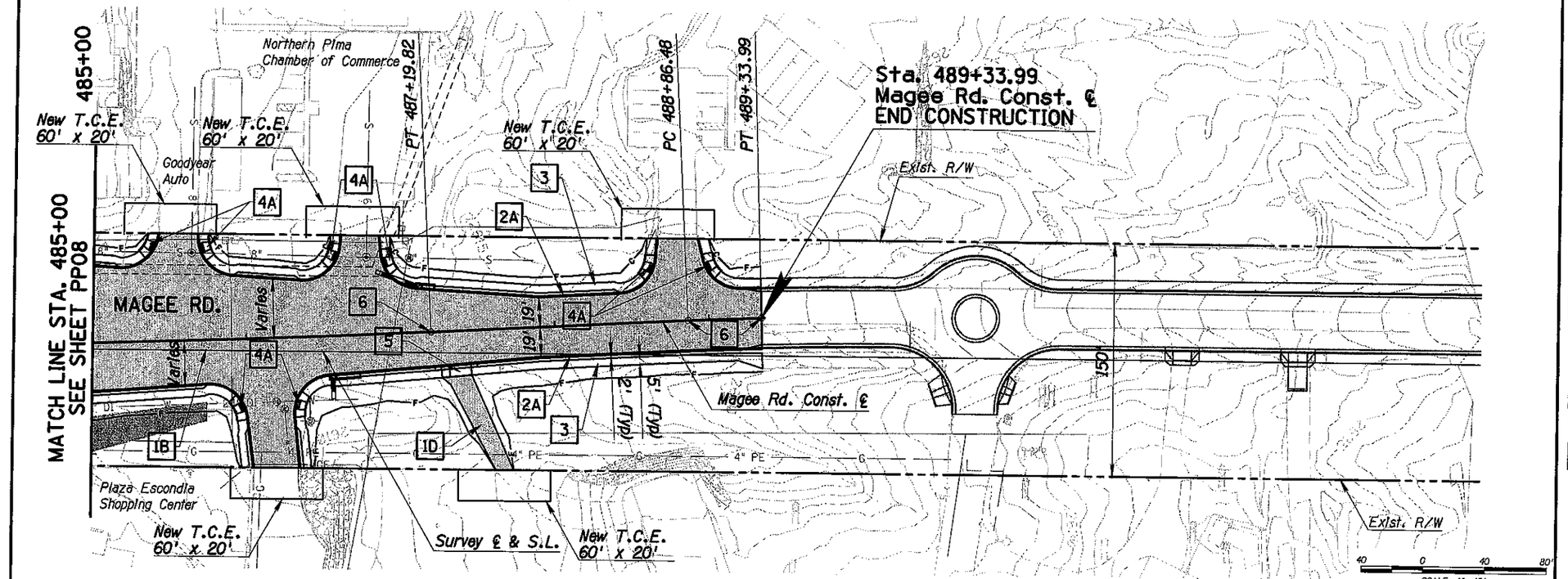
ROADWAY PLAN & PROFILE SHEET STA. 476+00 TO STA. 485+00

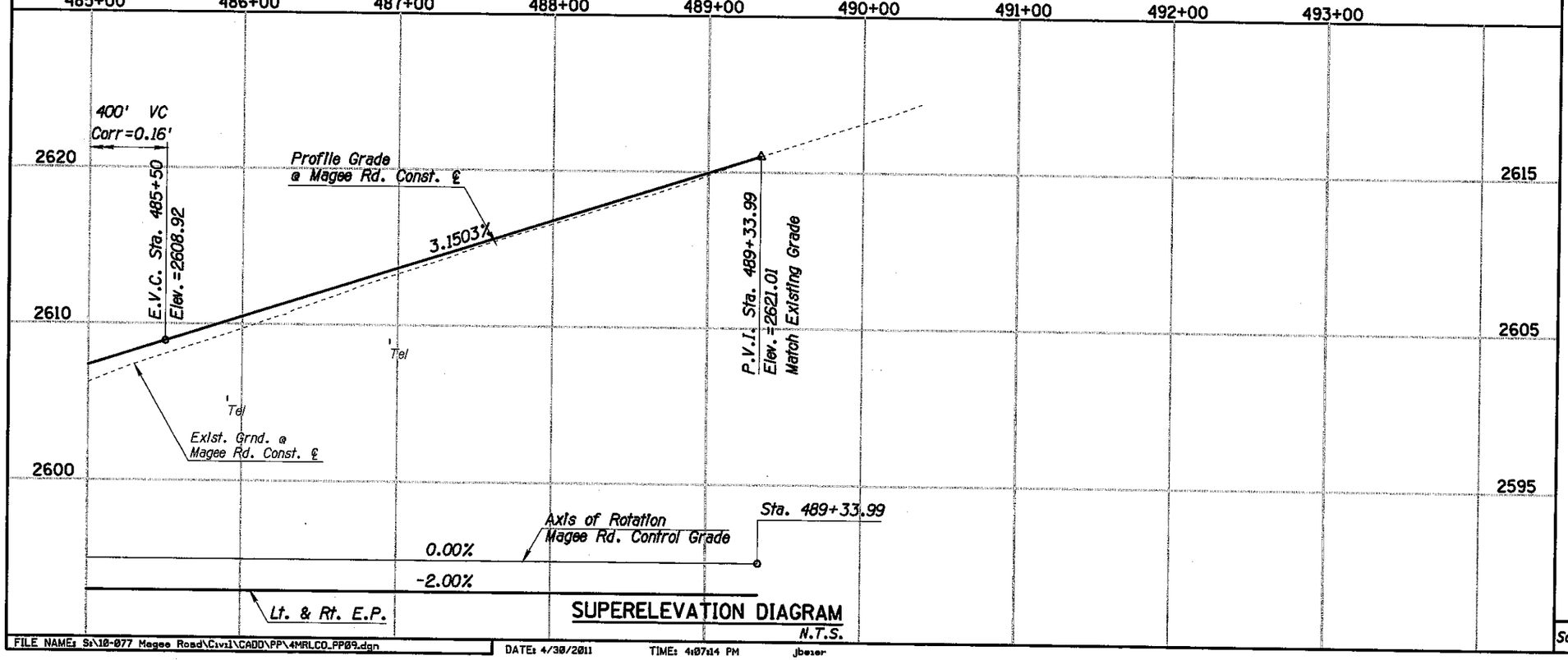
MAGEE RD. LA CAÑADA DR. - ORACLE RD. (SR 77) PROJECT NO. 4MRLCO

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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP08 of PP11 | Page 24 of 191

FILE NAME: S:\10-077 Magee Road\Civil\CADD\PP\4MRLCO_PP08.dgn DATE: 4/30/2011 TIME: 4:06:35 PM jbeier





Items:

1 *Pavement*
- B *Structural Section 2 Install 28,803 S.F.*
- D *Structural Section 4 Install 865 S.F.*

2 *Curb*
- A *Concrete Curb (PC/COT Dtl. 209) (Type 1) Item #9080001 Install 797 L.F.*

3 *Concrete Sidewalk Item #9080201 Install 4,142 S.F.*

4 *Curb Access Ramps*
- A *Curb Access Ramp, PC/COT Dtl. 207 (Type 1) Item #9080280 Install 8 Each*

5 *Concrete Driveway PC/COT Dtl. 206 Item #9080301 Install 176 S.F.*

6 *Survey Monument, Frame and Cover Item #9090021 Install 3 Each*

FILE NAME: S:\10-077 Magee Road\Civil\CADD\PP\4MRLCO_PP09.dgn | DATE: 4/30/2011 | TIME: 4:07:14 PM | jbeier

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP09 of PP11 | Page 25 of 191

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MDC/BB/RBH	4/11
Drawn	MDC/BB/RBH	4/11
Checked	JDS	4/11
Proj. Engr.	AJH	4/11

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

eps group, inc. Engineers, Planners & Surveyors

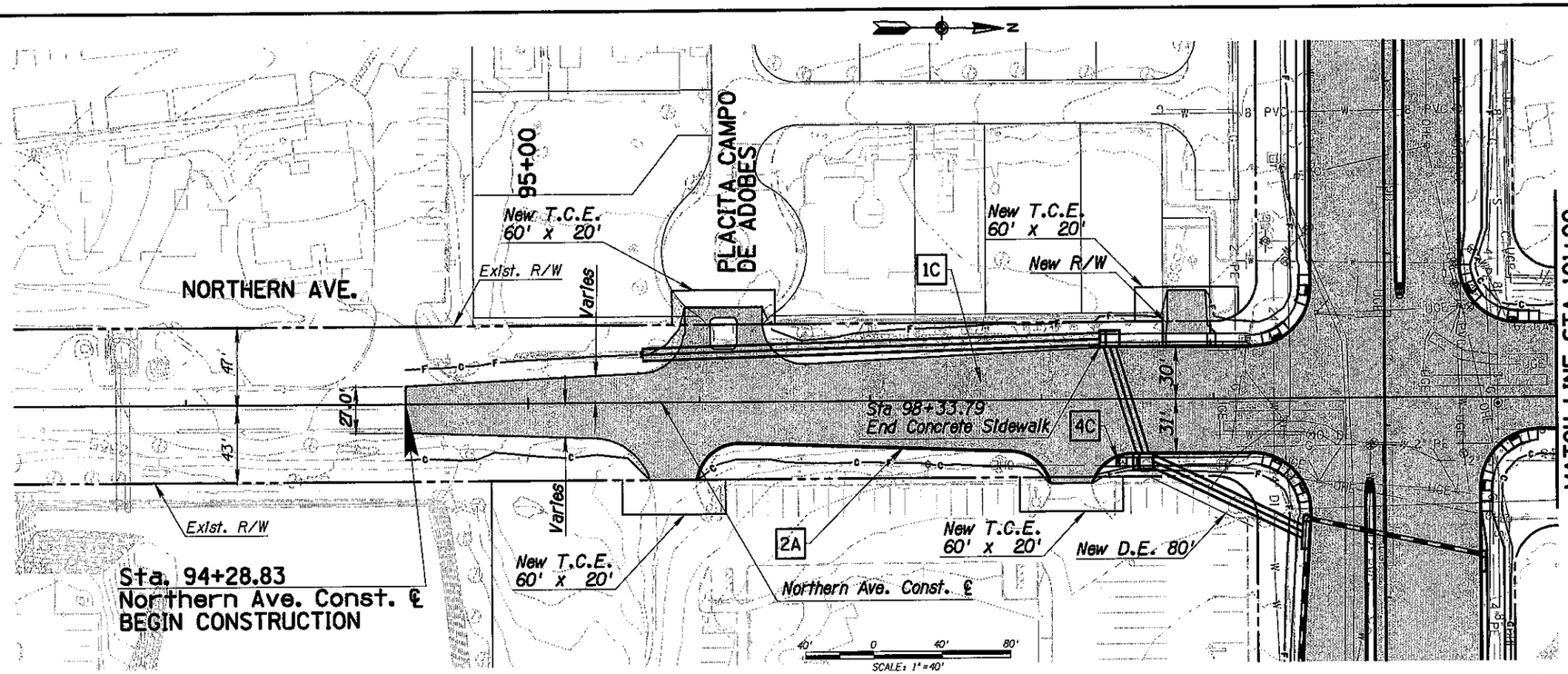
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET STA. 485+00 TO STA. 490+42.64

MAGEE RD. - LA CANADA DR. - ORACLE RD. (SR 77) PROJECT NO. 4MRLCO

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



Items:

1 *Pavement*
- C *Structural Section 3*
  Install 28,875 S.F.

2 *Curb*
- A *Concrete Curb*
  (PC/COT Dtl. 209) (Type 1)
  Item #9080001 Install 165 L.F.

4 *Curb Access Ramps*
- C *Curb Access Ramp,*
  PC/COT Dtl. 207 (Type 3)
  Item #9080282 Install 1 Each

Priscilla S. Cornelio, P.E., Director

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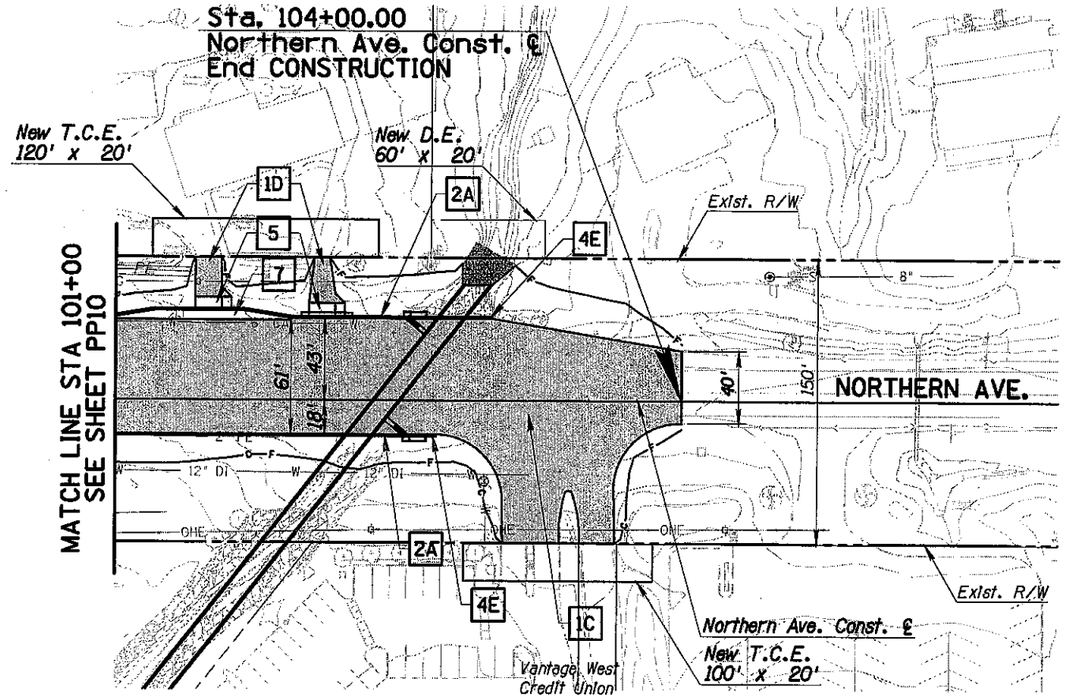
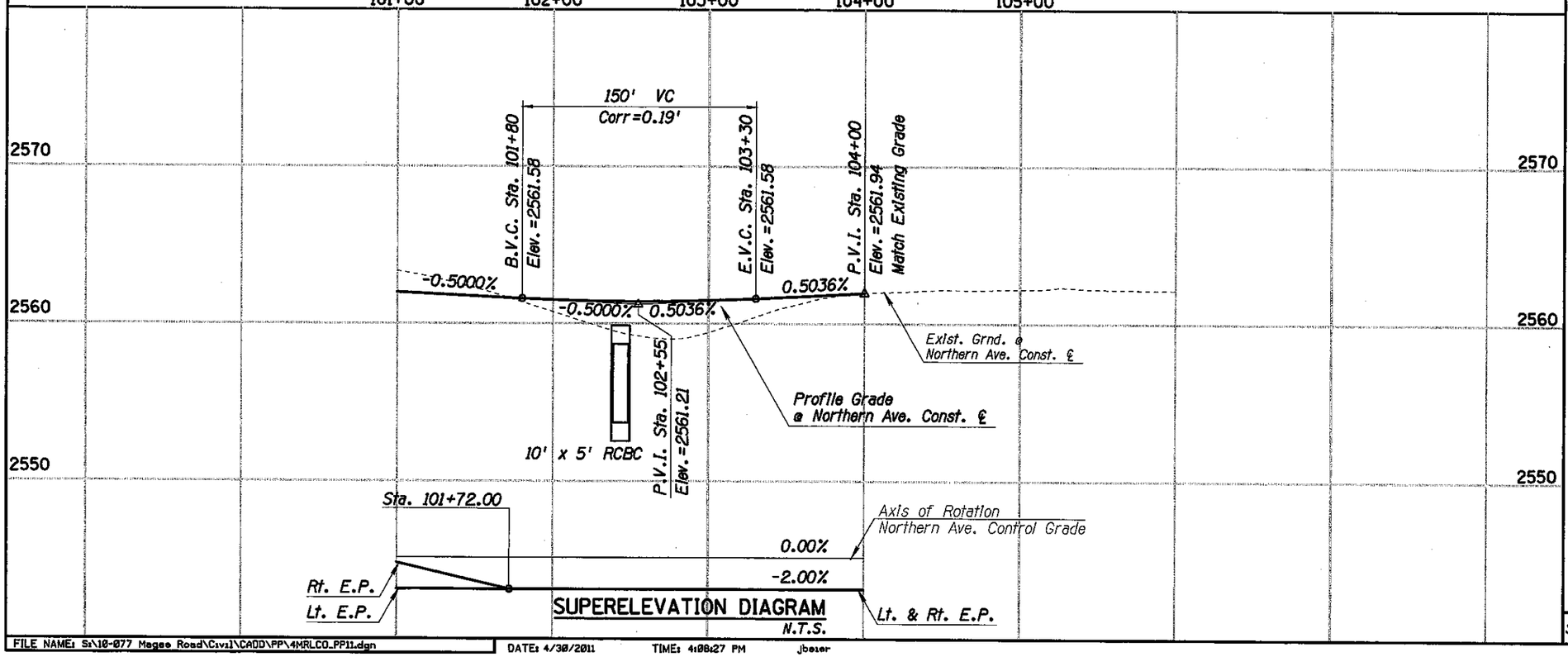
Pima County Department of Transportation
ROADWAY PLAN & PROFILE SHEET
STA. 485+00 TO STA. 490+82.84
MAGEE RD.
LA CANADA DR. - ORACLE RD. (SR 77)
PROJECT NO. 4MRLCO

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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP10 of PP11 | Page 26 of 191

FILE NAME: S:\10-077 Magee Road\Civil\CADD\PP\4MRLCO_PP10.dgn DATE: 4/30/2011 TIME: 4:08:06 PM jbeier





Items:

1 Pavement

C Structural Section 3
Install 24,432 S.F.

D Structural Section 4
Install 587 S.F.

2 Curb

A Concrete Curb
(PC/COT Dtl. 209) (Type 1)
Item #9080001 Install 196 L.F.

E Concrete Curb Terminal Section
(PC/COT Dtl. 212)
Item #9080090 Install 2 Each

5 Concrete Driveway
PC/COT Dtl. 206
Item #9080301 Install 252 S.F.

7 Portland Cement Concrete Pavement
Item #4010001 Install 24 S.Y.
See Detail RD02

Priscilla S. Cornelio, P.E. Director

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Proj. Engr.	AJH	4/11

No.	Revision Description	Date	Engineer

PRELIMINARY NOT FOR CONSTRUCTION STAGE III

epsgroup, inc.
Engineers, Planners & Surveyors
2175 N. Campbell Ave., Ste. 140, Tucson, Arizona 85719
Phone (520) 325-8555 Fax (520) 325-8558

Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call two working days before you dig

Pima County Department of Transportation
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Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP11 of PP11 | Page 27 of 191

FILE NAME: S:\10-077 Magee Road\Civil\CADD\PP\4MRLCO_PP11.dgn DATE: 4/30/2011 TIME: 4:08:27 PM jbeier