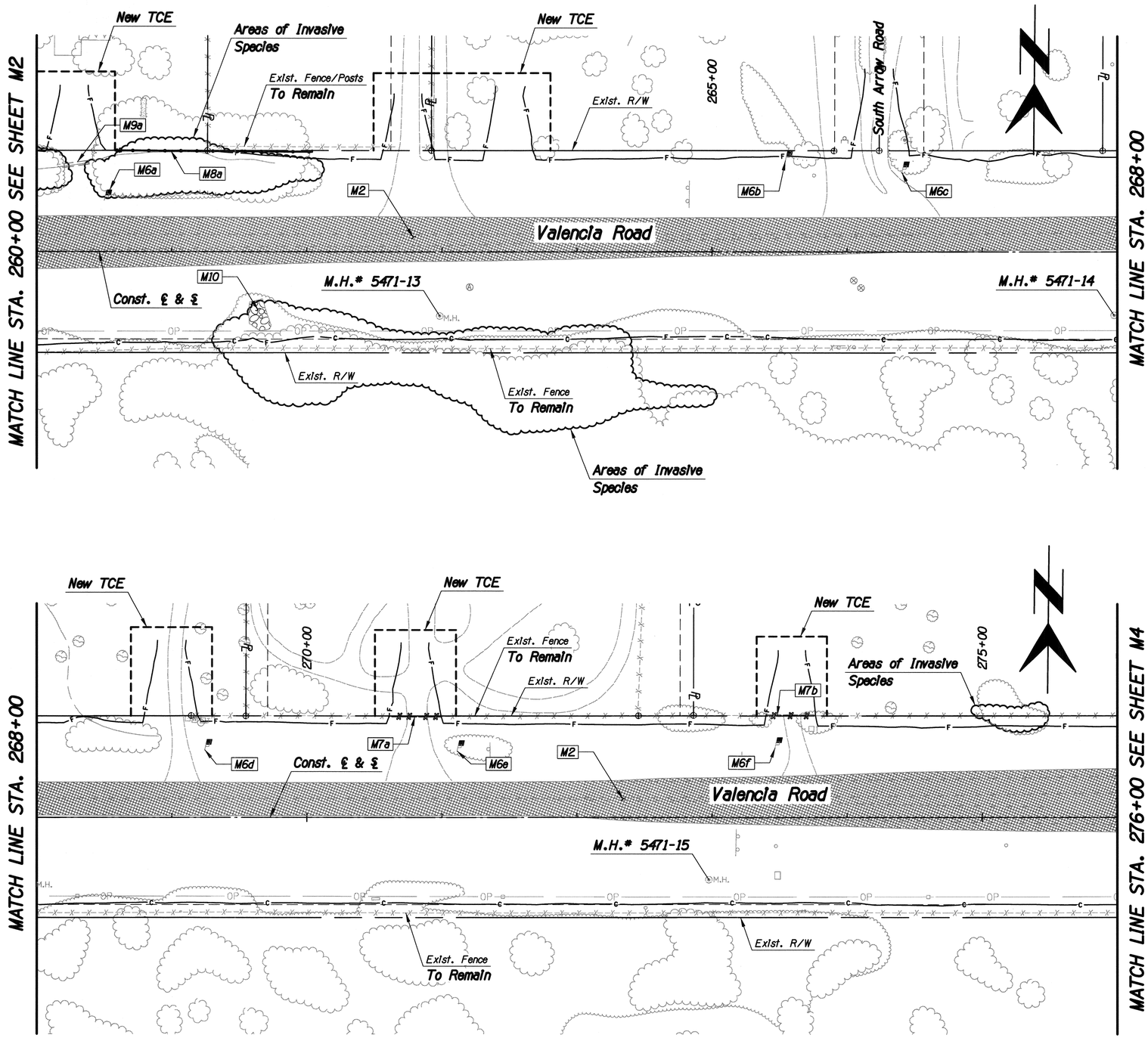


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M2	5,553	S.Y.	Removal of Bituminous Pav't
M5	4.05	Ac.	Clear & Grub
M6	2	Each	Relocate Mailboxes - Detail N
b	1	Each	CBU-Sta. 265+54.28, 67.5' Lt.
c	1	Each	Sta. 266+40.60, 58.9' Lt.
M6	4	Each	Relocate Mailboxes - Behind Sidewalk
a	1	Each	Sta. 260+50.04, 37.8' Lt.
d	1	Each	Sta. 269+24.37, 49.8' Lt.
e	1	Each	Sta. 271+11.13, 49.1' Lt.
f	1	Each	Sta. 273+46.56, 51.2' Lt.
M7	76	L.F.	Remove Fence
a	39	L.F.	5' Chain Link and 2-10' Gates- Sta. 270+61, 75' Lt. to Sta. 271+00, 75' Lt.
b	37	L.F.	5' Chain Link and 2-4' Gates- Sta. 273+40, 75' Lt. to Sta. 273+77, 75' Lt.
M8	147	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	147	L.F.	Sta. 260+58.00, 75.0' Lt. to Sta. 262+04.00, 74.0' Lt. to Sta. 262+04.00, 75.0' Lt.
M9	19	L.F.	Removal of Pipe
a	19	L.F.	28"x32" C.M.P.- Sta. 260+20, 63.7' Lt. to Sta. 260+39, 66.1' Lt.
M10	10	C.Y.	Removal of Riprap

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All water valve and meter adjustments are shown on the Water Relocation Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

DEMOLITION PLANS

40 0 40 80

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

Sheet M3 of M11

Page 71 of 281

TRACS No. SS975 01C

Print Scale: 1:40

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Not Signed ARIZONA U.S.A. Expires 3-31-17

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

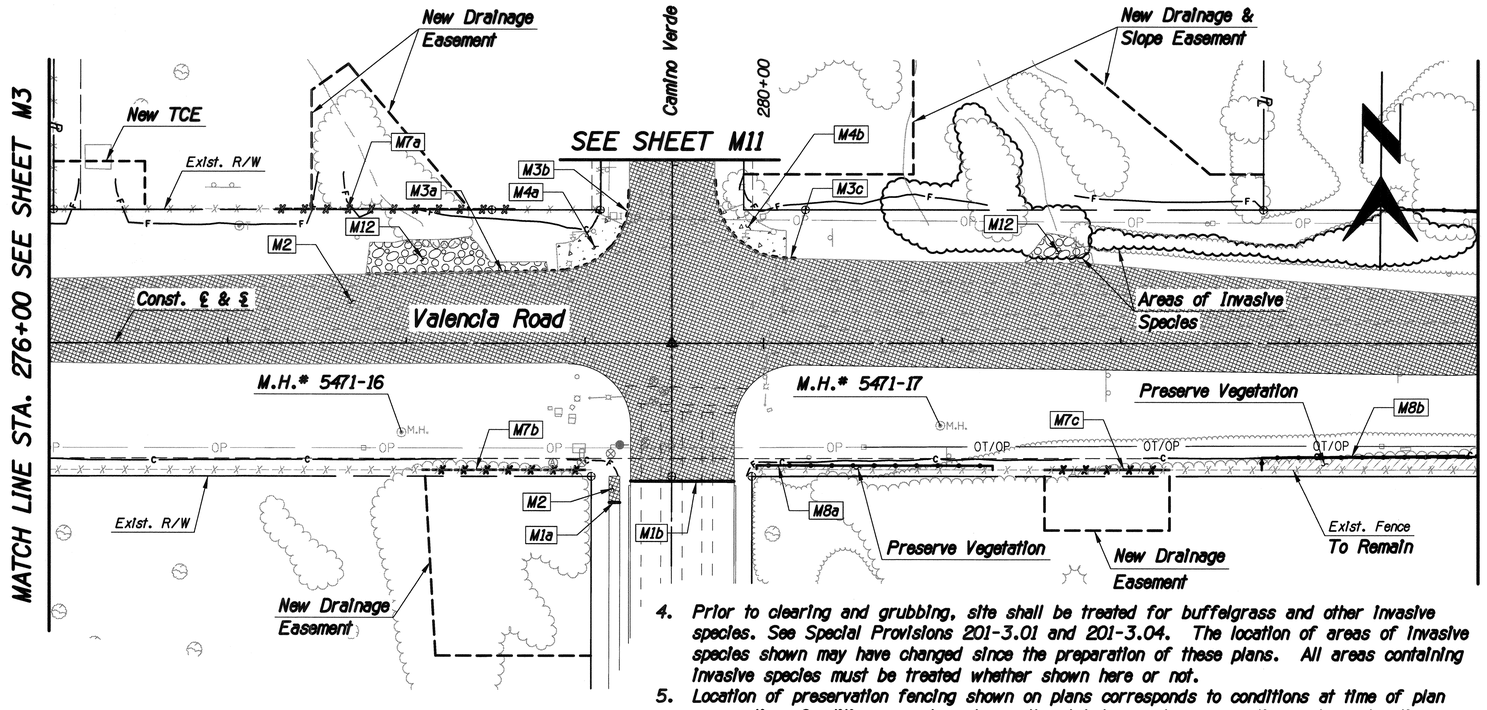
VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Project ID: 0000000000152226
Client Number: 012145

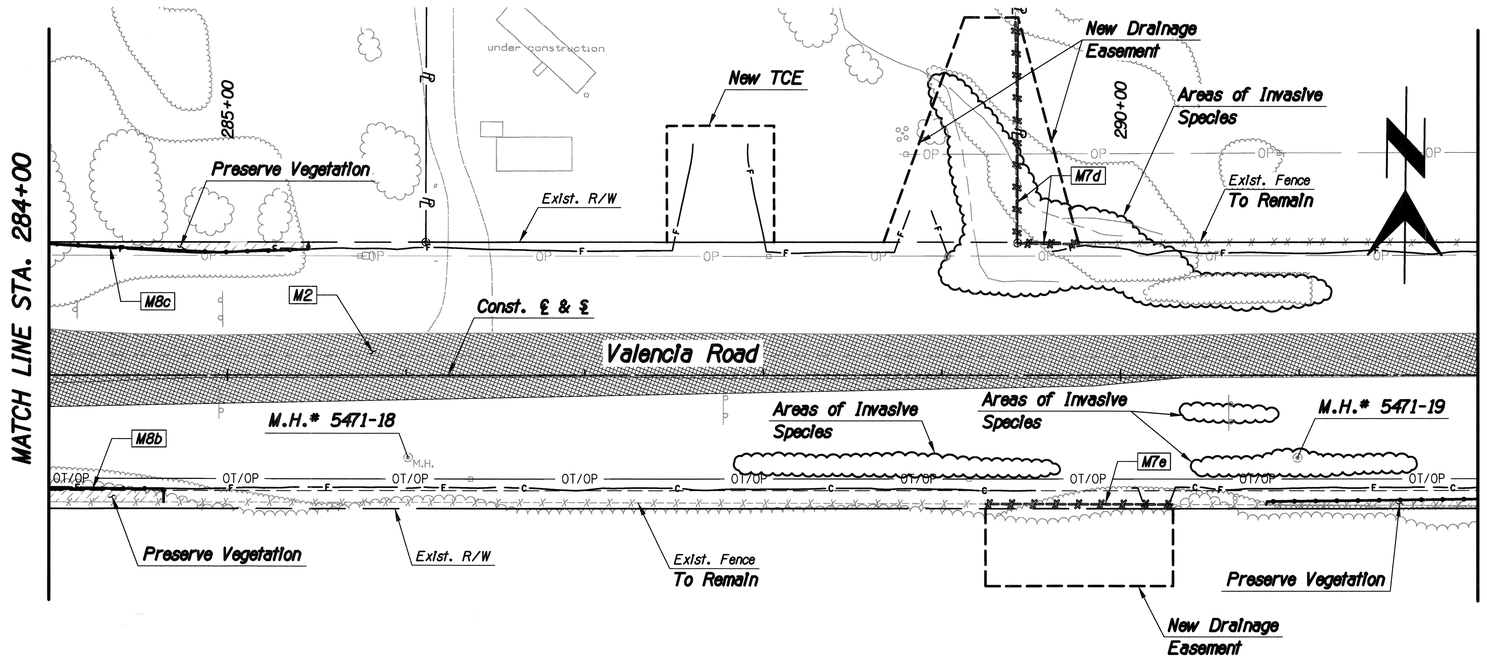
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_VERTLL_BW_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
Model: B08C03

Printed By: jefrey Date: 7/21/2014 2:16:33 PM



4. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
5. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.



Item No.	Qty.	Unit	Description
M1	64	L.F.	Sawcut Pavement
a	6	L.F.	Sta. 279+13.40, 89.5' Rt. to Sta. 279+19.40, 89.5' Rt.
b	58	L.F.	Sta. 279+25.43, 77.6' Rt. to Sta. 279+83.40, 77.7' Rt.
M2	8,517	S.Y.	Removal of Bituminous Pav't
M3	246	L.F.	Removal of Curb
a	104	L.F.	Header-Sta. 277+77.81, 38.7' Lt. to Sta. 278+81.32, 40.5' Lt.
b	71	L.F.	Curb-Sta. 278+81.32, 40.5' Lt. to Sta. 279+24.84, 86.5' Lt.
c	71	L.F.	Curb-Sta. 279+72.84, 91.7' Lt. to Sta. 280+17.63, 47.9' Lt.
M4	1,183	S.F.	Removal of Misc. Concrete
a	609	S.F.	SIdewalk & Ramp-Sta. 278+84.75, 40.8' Lt. to Sta. 279+21.97, 66.6' Lt.
b	574	S.F.	SIdewalk & Ramp-Sta. 279+75.75, 73.5' Lt. to Sta. 280+12.62, 48.1' Lt.
M5	3.94	Ac.	Clear & Grub
M7	562	L.F.	Remove Fence
a	135	L.F.	6' Posts-No Fence- Sta. 277+27, 75' Lt. to Sta. 278+62, 75' Lt.
b	91	L.F.	3-Strand Barbed Wire- Sta. 278+09, 72' Rt. to Sta. 279+00, 71' Rt.
c	70	L.F.	3-Strand Barbed Wire- Sta. 281+57, 71' Rt. to Sta. 282+27, 71' Rt.
d	161	L.F.	5-Strand Barbed Wire- Sta. 289+41, 201' Lt. to Sta. 289+77, 74' Lt.
e	105	L.F.	3-Strand Barbed Wire- Sta. 289+24, 72' Rt. to Sta. 290+29, 73' Rt.
M8	525	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	136	L.F.	Sta. 279+96.00, 71.0' Rt. to Sta. 279+97.60, 68.9' Rt. to Sta. 281+28.20, 71.3' Rt.
b	200	L.F.	Sta. 282+78.80, 71.4' Rt. to Sta. 282+78.87, 64.5' Rt. to Sta. 284+64.16, 63.9' Rt. to Sta. 284+64.23, 71.5' Rt.
c	189	L.F.	Sta. 283+64.40, 75.0' Lt. to Sta. 283+80.00, 75.0' Lt. to Sta. 284+94.70, 69.0' Lt. to Sta. 285+45.20, 70.9' Lt. to Sta. 285+45.40, 75.0' Lt.
M12	67	C.Y.	Remove & Salvage Riprap

All removals are paid for under Item No. 2020001.

Notes:
1. All sign removal information is shown on Signing Plans.
2. All traffic signal removal information is shown on the Signal Plans.
3. All water valve and meter adjustments are shown on the Water Relocation Plans.

DEMOLITION PLANS

40 0 40 80

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

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

No.	Revision Description	Engineer	Date

Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	ROB	03/2014
Proj. Engr.	ROB	03/2014

13762 ROBERT DEAN BRITTAIN REGISTERED PROFESSIONAL ENGINEER ARIZONA U.S.A. Date Signed 7-21-14 Expires 9-30-17

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet M4 of M11	Page 72 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Portable: 152226_PLOTGROR.TBL
Plotdriver: 152226_V8XU(LL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
Model: B08C04
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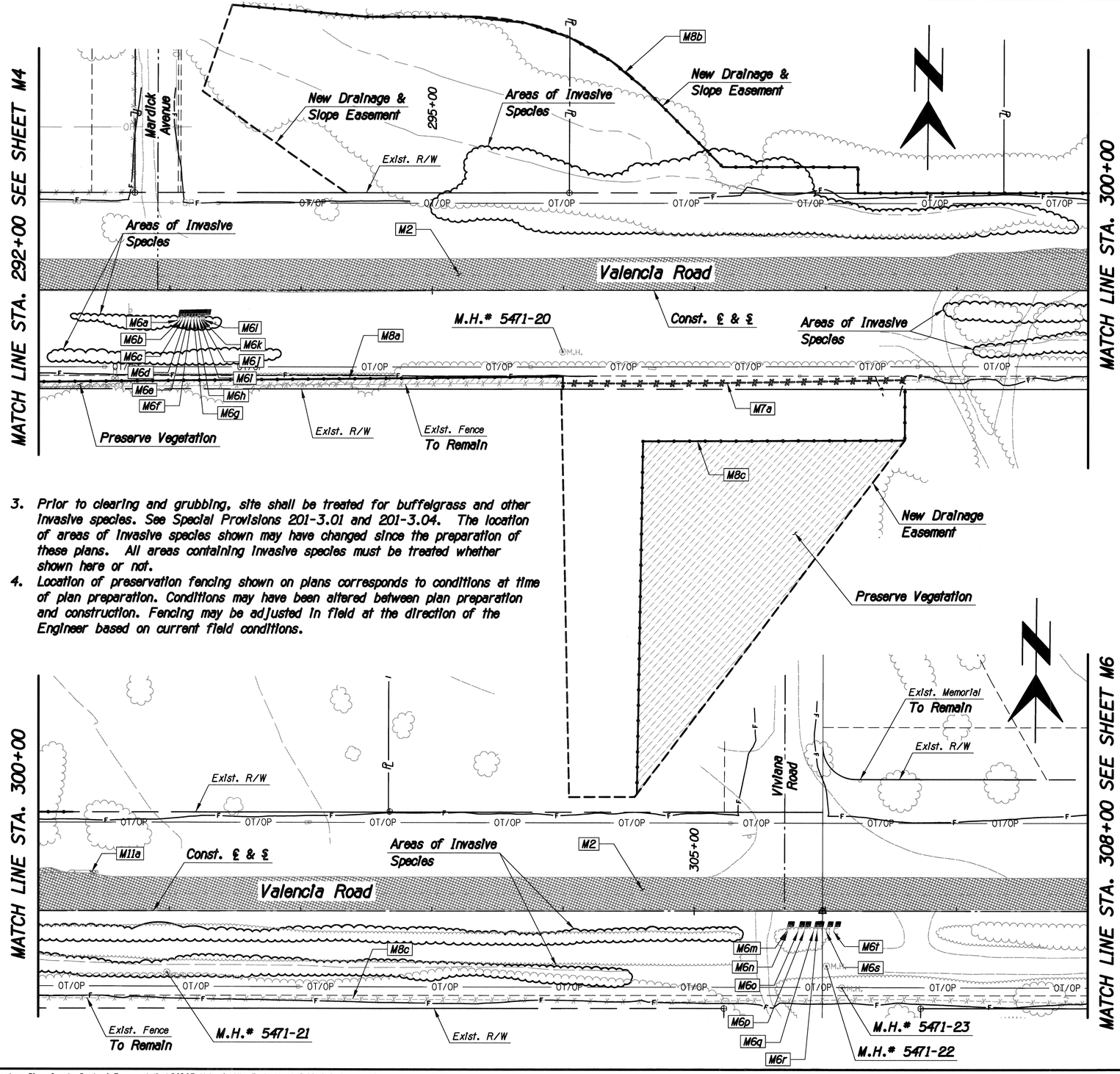


3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M2	4,469	S.Y.	Removal of Bituminous Pav't
M5	5.33	Ac.	Clear & Grub
M6	20	Each	Relocate Mailboxes - Detail M
a	1	Each	Sta. 293+05.64, 23.1' Rt.
b	1	Each	Sta. 293+07.42, 23.1' Rt.
c	1	Each	Sta. 293+09.24, 23.0' Rt.
d	1	Each	Sta. 293+11.51, 23.0' Rt.
e	1	Each	Sta. 293+13.84, 22.9' Rt.
f	1	Each	Sta. 293+15.96, 22.9' Rt.
g	1	Each	Sta. 293+18.17, 22.8' Rt.
h	1	Each	Sta. 293+20.30, 22.8' Rt.
i	1	Each	Sta. 293+22.38, 22.8' Rt.
j	1	Each	Sta. 293+23.74, 22.7' Rt.
k	1	Each	Sta. 293+24.83, 22.7' Rt.
l	1	Each	Sta. 293+25.88, 22.7' Rt.
m	1	Each	Sta. 305+70.15, 16.0' Rt.
n	1	Each	Sta. 305+71.04, 16.0' Rt.
o	1	Each	Sta. 305+79.01, 16.0' Rt.
p	1	Each	Sta. 305+83.71, 16.0' Rt.
q	1	Each	Sta. 305+90.83, 16.0' Rt.
r	1	Each	Sta. 305+93.67, 16.0' Rt.
s	1	Each	Sta. 306+00.61, 16.0' Rt.
t	1	Each	Sta. 306+06.38, 16.0' Rt.
M7	262	L.F.	Remove Fence
a	262	L.F.	3-Strand Barbed Wire- Sta. 295+98, 70' Rt. to Sta. 298+60, 68' Rt.
M8	1,775	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	529	L.F.	Sta. 290+81.51, 72.9' Rt. to Sta. 290+81.82, 71.1' Rt. to Sta. 295+99.48, 65.5' Rt. to Sta. 295+99.57, 75.0' Rt.
b	738	L.F.	Sta. 293+47.56, 218.7' Lt. to Sta. 294+49.90, 209.8' Lt. to Sta. 295+27.80, 210.0' Lt. to Sta. 295+70.60, 205.0' Lt. to Sta. 296+05.00, 194.0' Lt. to Sta. 296+36.50, 175.8' Lt. to Sta. 297+21.40, 95.0' Lt. to Sta. 298+24.50, 95.0' Lt. to Sta. 298+24.50, 75.0' Lt. to Sta. 300+26.40, 75.0' Lt.
c	508	L.F.	Sta. 296+55.85, 384.3' Rt. to Sta. 296+60.62, 115.0' Rt. to Sta. 298+60.17, 114.2' Rt. to Sta. 298+60.36, 60.4' Rt.
M11	1	Each	Removal of Structures & Obstructions
a	1	Each	Drop Structure-Sta. 300+22.06, 29.1' Lt. to Sta. 300+45.48, 27.3' Lt.

All removals are paid for under Item No. 2020001.

Notes:
1. All sign removal information is shown on Signing Plans.
2. All traffic signal removal information is shown on the Signal Plans.

DEMOLITION PLANS

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet M5 of M11	Page 73 of 281

Print Scale: 1:40

TRACS No. SS975 01C

No.	Revision Description	Engineer	Date

	Date
Designed	03/2014
Drawn	03/2014
Checked	03/2014
Proj. Engr.	03/2014
KAM	
KAM, JMF	
RDB	
RDB	

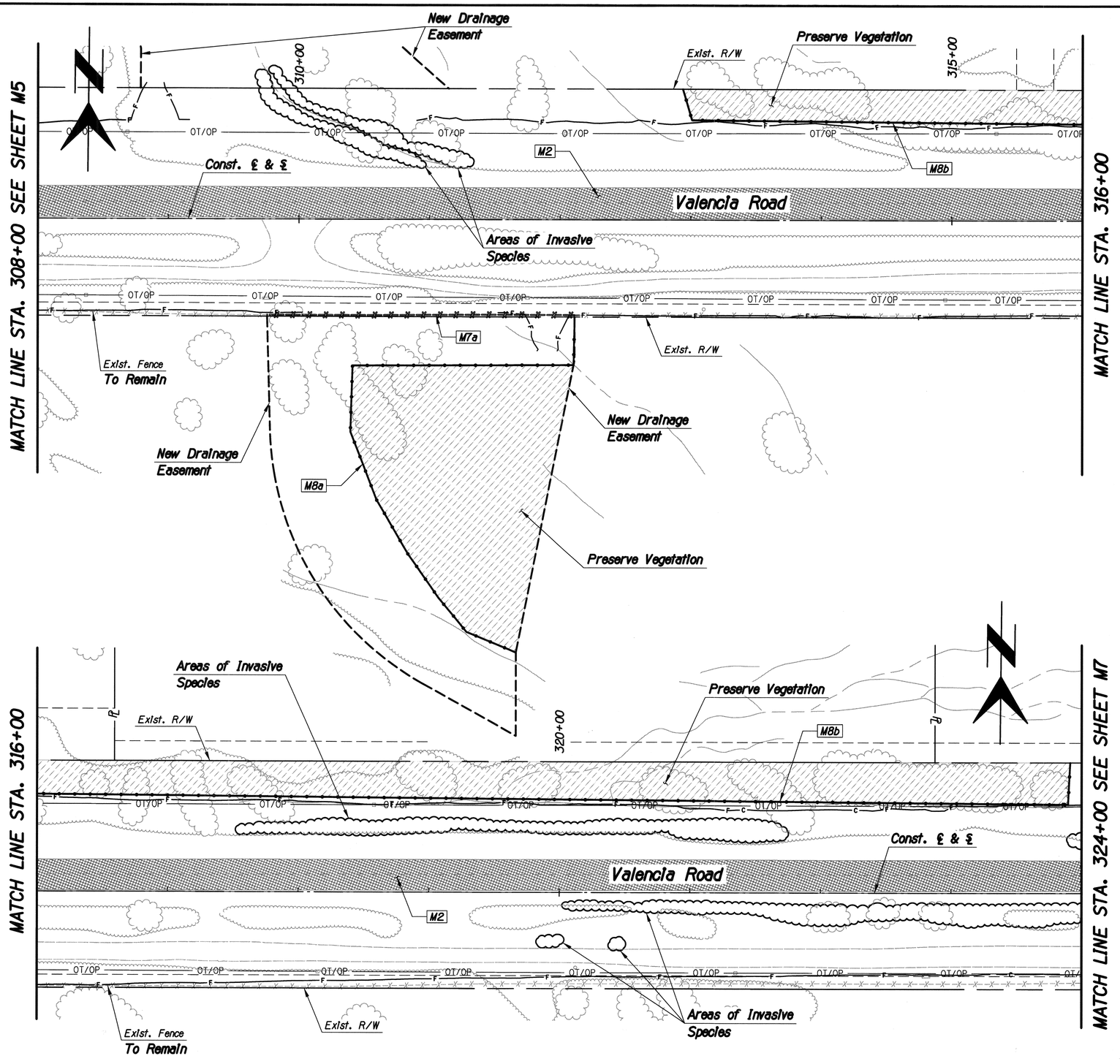
Priscilla S. Cornelio, P.E., Director
Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.
Expires 9-30-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000152226
Client Number: 01245



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M2	4,226	S.Y.	Removal of Bituminous Pav't
M5	4.96	Ac.	Clear & Grub
M7	235	L.F.	Remove Fence
a	235	L.F.	3-Strand Barbed Wire- Sta. 309+76, 74' Rt. to Sta. 312+11, 73' Rt.
M8	1,613	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	468	L.F.	Sta. 311+66.72, 332.8' Rt. to Sta. 311+28.93, 317.0' Rt. to Sta. 310+59.80, 215.9' Rt. to Sta. 310+39.63, 163.8' Rt. to Sta. 310+41.22, 112.7' Rt. to Sta. 312+10.46, 112.0' Rt. to Sta. 312+11.05, 83.6' Rt.
b	1,145	L.F.	Sta. 312+93.87, 100.0' Lt. to Sta. 313+00.79, 76.8' Lt. to Sta. 323+89.56, 68.0' Lt. to Sta. 323+91.18, 100.0' Lt.

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All traffic signal removal information is shown on the Signal Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

DEMOLITION PLANS

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 2-21-14 ARIZONA U.S.A. Expires 2-21-17

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet M6 of M11	Page 74 of 281

Project ID: 000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
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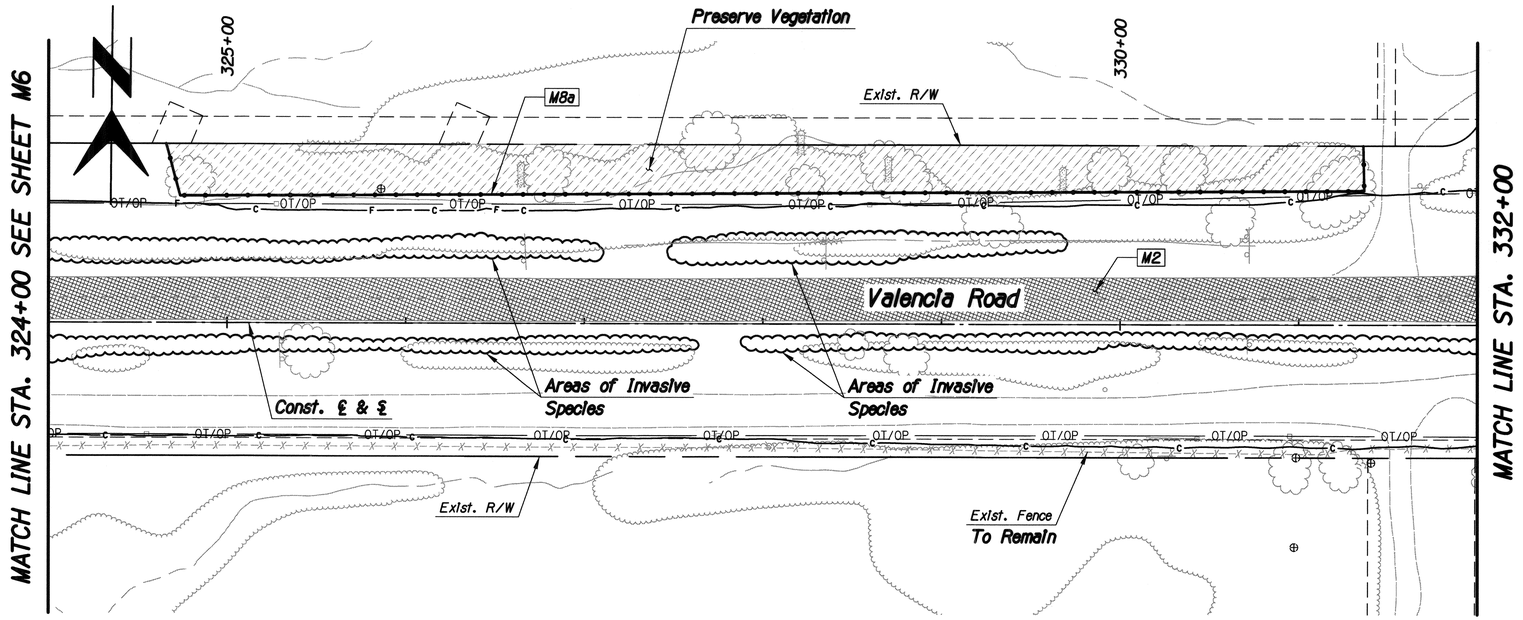
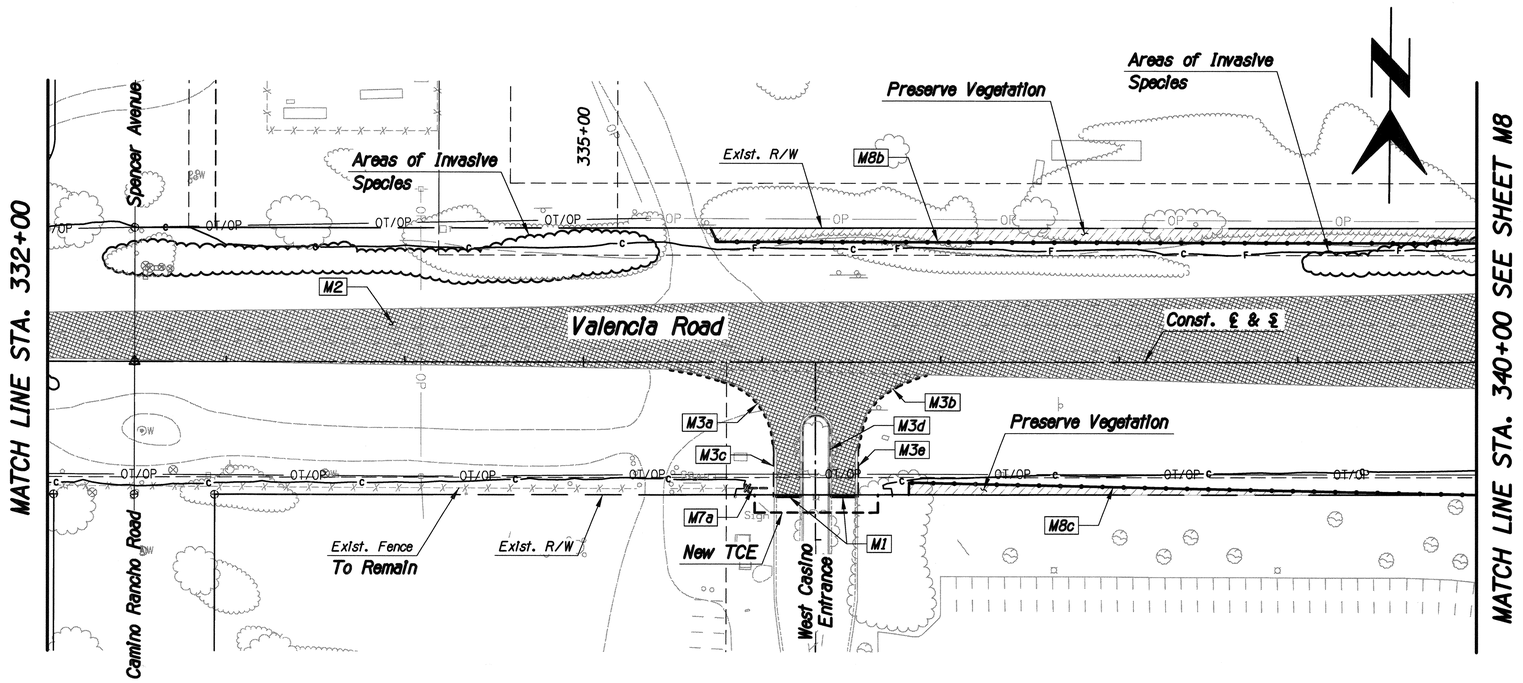
TRACS No. SS975 01C





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M1	26.5	L.F.	Sawcut Pavement
a	26.5	L.F.	Sta. 336+08.03, 76.0' Rt. to Sta. 336+52.13, 76.0' Rt.
M2	5,954	S.Y.	Removal of Bituminous Pav't
M3	296	L.F.	Removal of Curb
a	79	L.F.	Header-Sta. 335+48.64, 4.1' Rt. to Sta. 336+06.17, 46.7' Rt.
b	60	L.F.	Header-Sta. 336+54.09, 48.3' Rt. to Sta. 336+91.66, 7.3' Rt.
c	29	L.F.	C&G-Sta. 336+06.17, 46.7' Rt. to Sta. 336+06.27, 76.0' Rt.
d	100	L.F.	C&G-Sta. 336+53.81, 76.0' Rt. to Sta. 336+54.09, 48.3' Rt.
e	28	L.F.	C&G-Sta. 336+52.13, 76.0' Rt. to Sta. 336+52.12, 51.4' Rt.
M5	3.61	Ac.	Clear & Grub
M7	12	L.F.	Remove Fence
a	12	L.F.	3-Strand Barbed Wire- Sta. 335+90, 71' Rt. to Sta. 336+03, 71' Rt.
M8	1,477	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	718	L.F.	Sta. 324+65.77, 100.0' Lt. to Sta. 324+73.62, 71.0' Lt. to Sta. 331+36.51, 75.0' Lt. to Sta. 331+36.02, 100.0' Lt.
b	434	L.F.	Sta. 335+71.06, 75.0' Lt. to Sta. 335+74.75, 67.4' Lt. to Sta. 340+00.00, 66.8' Lt.
c	325	L.F.	Sta. 336+82.10, 75.0' Rt. to Sta. 336+82.27, 68.0' Rt. to Sta. 340+00.00, 75.0' Rt.

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All traffic signal removal information is shown on the Signal Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
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DEMOLITION PLANS

40 0 40 80

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

Sheet M7 of M11

Page 75 of 281

TRACS No. SS975 01C

Print Scale: 1:40

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM/JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A. Expires 7-31-17

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Project ID: 0000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
Model: B08C07
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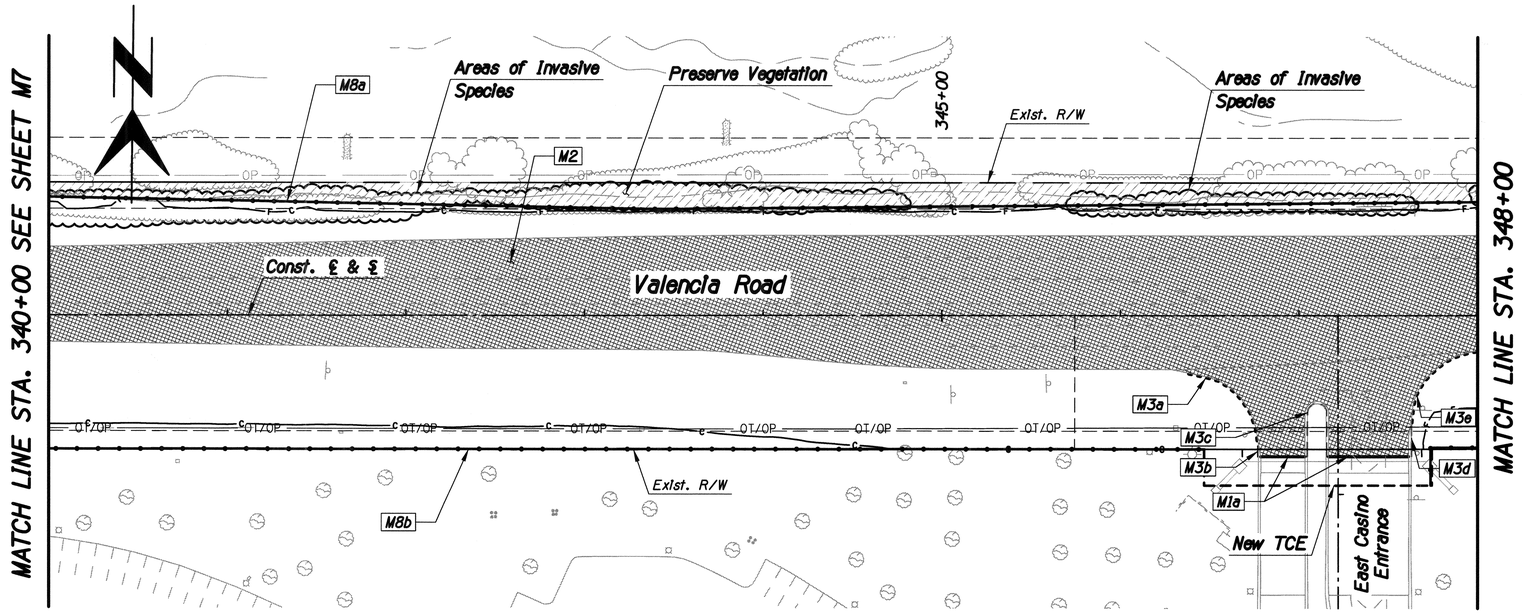
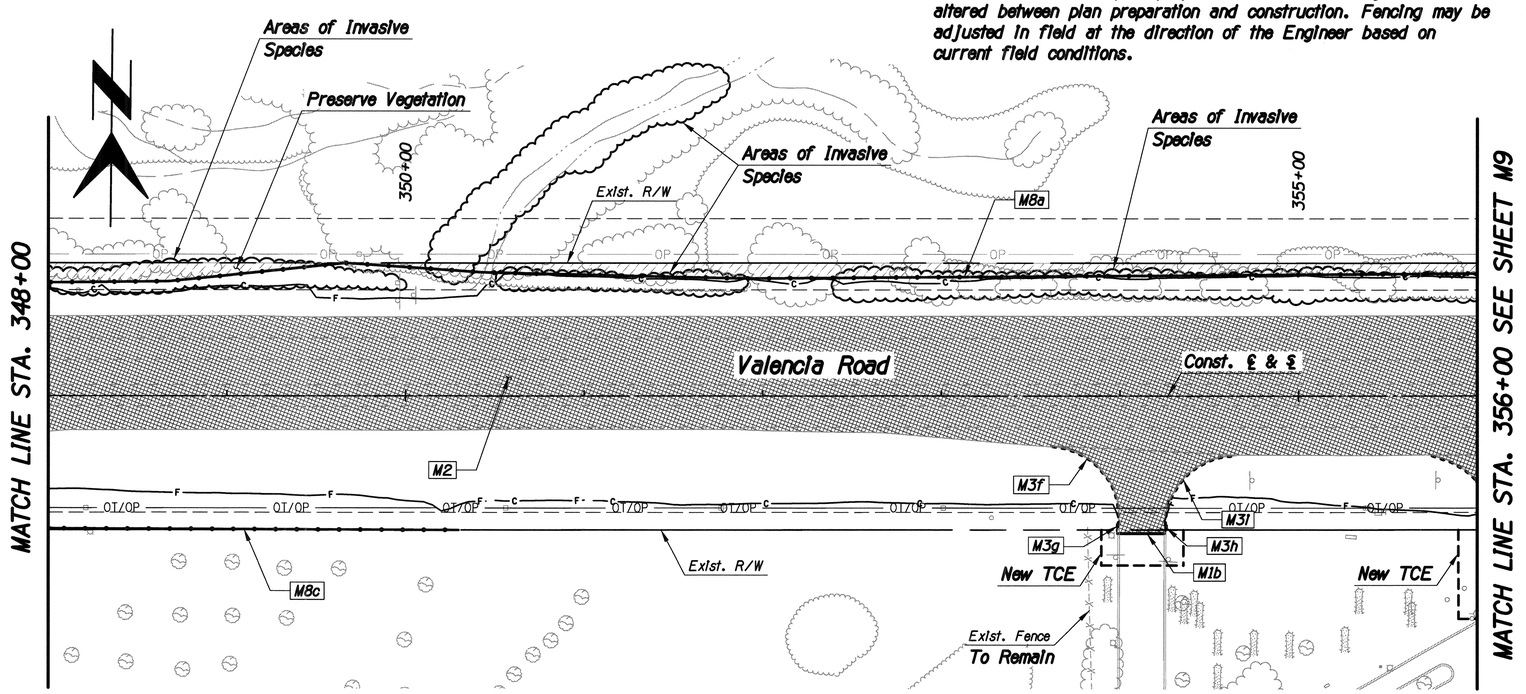




4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M1	95	L.F.	Sawcut Pavement
a	70	L.F.	Sta. 346+78.43, 79.0' Rt. to Sta. 347+61.28, 79.0' Rt.
b	25	L.F.	Sta. 353+99.55, 71.4' Rt. to Sta. 354+24.85, 71.4' Rt.
M2	12,775	S.Y.	Removal of Bituminous Pav't
M3	347	L.F.	Removal of Curb
a	62	L.F.	Header-Sta. 346+38.23, 32.2' Rt. to Sta. 346+77.40, 73.0' Rt.
b	6	L.F.	C&G-Sta. 346+77.40, 73.0' Rt. to Sta. 346+78.43, 79.0' Rt.
c	66	L.F.	C&G-Sta. 347+04.61, 79.0' Rt. to Sta. 347+15.26, 79.0' Rt.
d	19	L.F.	C&G-Sta. 347+61.28, 79.0' Rt. to Sta. 347+62.73, 60.2' Rt.
e	59	L.F.	Header-Sta. 347+62.73, 60.2' Rt. to Sta. 347+99.67, 20.0' Rt.
f	63	L.F.	Header-Sta. 353+62.45, 27.9' Rt. to Sta. 353+99.55, 71.8' Rt.
g	5	L.F.	Curb-Sta. 353+99.55, 71.8' Rt. to Sta. 353+99.62, 77.0' Rt.
h	5	L.F.	Curb-Sta. 354+24.74, 77.0' Rt. to Sta. 354+24.84, 72.4' Rt.
I	62	L.F.	Header-Sta. 354+24.84, 72.4' Rt. to Sta. 354+64.93, 33.0' Rt.
M5	1.95	Ac.	Clear & Grub
M8	2,524	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	1,600	L.F.	Sta. 340+00.00, 66.8' Lt. to Sta. 349+66.00, 75.0' Lt. to Sta. 351+90.00, 66.5' Lt. to Sta. 356+00.00, 69.3' Lt.
b	647	L.F.	Sta. 340+00.00, 75.0' Lt. to Sta. 346+46.83, 75.0' Lt.
c	277	L.F.	Sta. 347+73.59, 95.0' Rt. to Sta. 347+73.57, 74.1' Rt. to Sta. 350+30.18, 75.0' Rt.

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All traffic signal removal information is shown on the Signal Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.

DEMOLITION PLANS

40 0 40 80

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

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM/JMF	03/2014
Checked	ROB	03/2014
Proj. Engr.	ROB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-31-14 ARIZONA U.S.A. Expires 3-31-15

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 594-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet M8 of M11	Page 76 of 281

Print Scale: 1:40

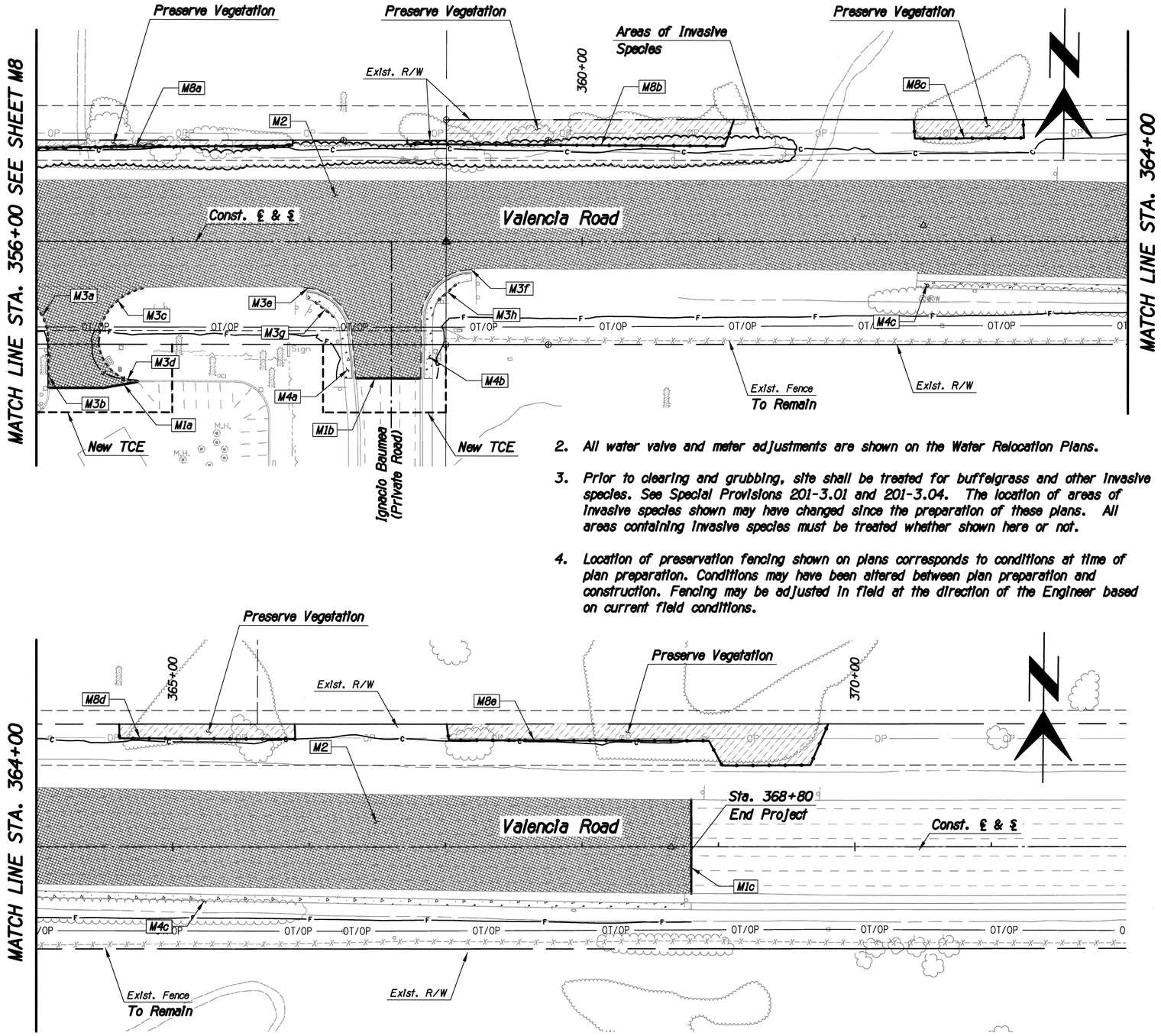
TRACS No. SS975 01C

Project ID: 0000000052226
Client Number: 012145

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
Model: B08C08

Printed By: jefrey Date: 7/21/2014 2:16:43 PM



2. All water valve and meter adjustments are shown on the Water Relocation Plans.

3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.

4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM S5975 01C			

Item No.	Qty.	Unit	Description
M1	181	L.F.	Sawcut Pavement
a	65	L.F.	Sta. 356+09.41, 107.0' Rt. to Sta. 356+49.39, 107.0' Rt. to Sta. 356+74.41, 102.6' Rt.
b	47	L.F.	Sta. 358+34.23, 99.9' Rt. to Sta. 358+81.19, 100.1' Rt.
c	69	L.F.	Sta. 368+80.00, 34.6' Lt. to Sta. 368+80.00, 34.0' Rt.
M2	10,833	S.Y.	Removal of Bituminous Pav't
M3	415	L.F.	Removal of Curb
a	55	L.F.	Header-Sta. 355+74.94, 33.0' Rt. to Sta. 356+09.13, 70.9' Rt.
b	36	L.F.	Curb-Sta. 356+09.13, 70.9' Rt. to Sta. 356+09.41, 107.00' Rt.
c	54	L.F.	Header-Sta. 356+78.40, 33.5' Rt. to Sta. 356+45.18, 71.9' Rt.
d	47	L.F.	Curb-Sta. 356+45.18, 71.9' Rt. to Sta. 356+74.41, 102.6' Rt.
e	86	L.F.	C&G-Sta. 357+95.92, 33.3' Rt. to Sta. 358+34.23, 99.9' Rt.
f	103	L.F.	C&G-Sta. 358+81.19, 100.1' Rt. to Sta. 359+21.03, 19.9' Rt.
g	17	L.F.	Curb-Sta. 358+04.47, 44.4' Rt. to Sta. 358+17.75, 55.0' Rt.
h	17	L.F.	Curb-Sta. 358+94.55, 42.8' Rt. to Sta. 359+07.27, 31.6' Rt.
M4	4,091	S.F.	Removal of Misc. Concrete
a	445	S.F.	Sidewalk & Ramp-Sta. 357+98.49, 36.7' Rt. to Sta. 358+31.43, 99.9' Rt.
b	556	S.F.	Sidewalk & Ramp-Sta. 358+83.99, 100.1' Rt. to Sta. 359+18.73, 23.4' Rt.
c	3,090	S.F.	Sidewalk-Sta. 362+45.12, 28.9' Rt. to Sta. 368+80.00, 41.1' Rt.
M5	1.46	Ac.	Clear & Grub
M8	1,026	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	192	L.F.	Sta. 356+00.00, 69.3' Lt. to Sta. 357+87.57, 71.0' Lt.
b	256	L.F.	Sta. 358+71.56, 75.0' Lt. to Sta. 358+71.93, 72.1' Lt. to Sta. 361+04.59, 70.5' Lt. to Sta. 361+11.53, 90.0' Lt.
c	107	L.F.	Sta. 362+43.11, 90.0' Lt. to Sta. 362+43.91, 76.2' Lt. to Sta. 363+23.96, 76.5' Lt. to Sta. 363+23.33, 90.0' Lt.
d	150	L.F.	Sta. 364+60.90, 90.0' Lt. to Sta. 364+60.89, 79.6' Lt. to Sta. 365+89.82, 79.0' Lt. to Sta. 365+89.41, 90.0' Lt.
e	321	L.F.	Sta. 367+00.83, 90.0' Lt. to Sta. 367+02.35, 78.3' Lt. to Sta. 368+93.00, 77.7' Lt. to Sta. 369+02.61, 59.6' Lt. to Sta. 369+67.37, 59.9' Lt. to Sta. 369+80.58, 90.0' Lt.

All removals are paid for under Item No. 2020001.

Notes:
1. All sign removal information is shown on Signing Plans.

DEMOLITION PLANS

40 0 40 80

No.	Revision Description	Engineer	Date

Designed	KAM
Drawn	KAM, JMF
Checked	ROB
Proj. Engr.	ROB
Date	03.2014

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

Registered Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 3-31-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet M9 of M11	Page 77 of 281

Print Scale: 1:40
TRACS No. SS975 01C

Project ID: 0000000015226
Client Number: 01245
Pentable: 15226_PLOTORDR.TBL
Plotdriver: 15226_VGRJLL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\08C-01.dgn
Model: B08C09
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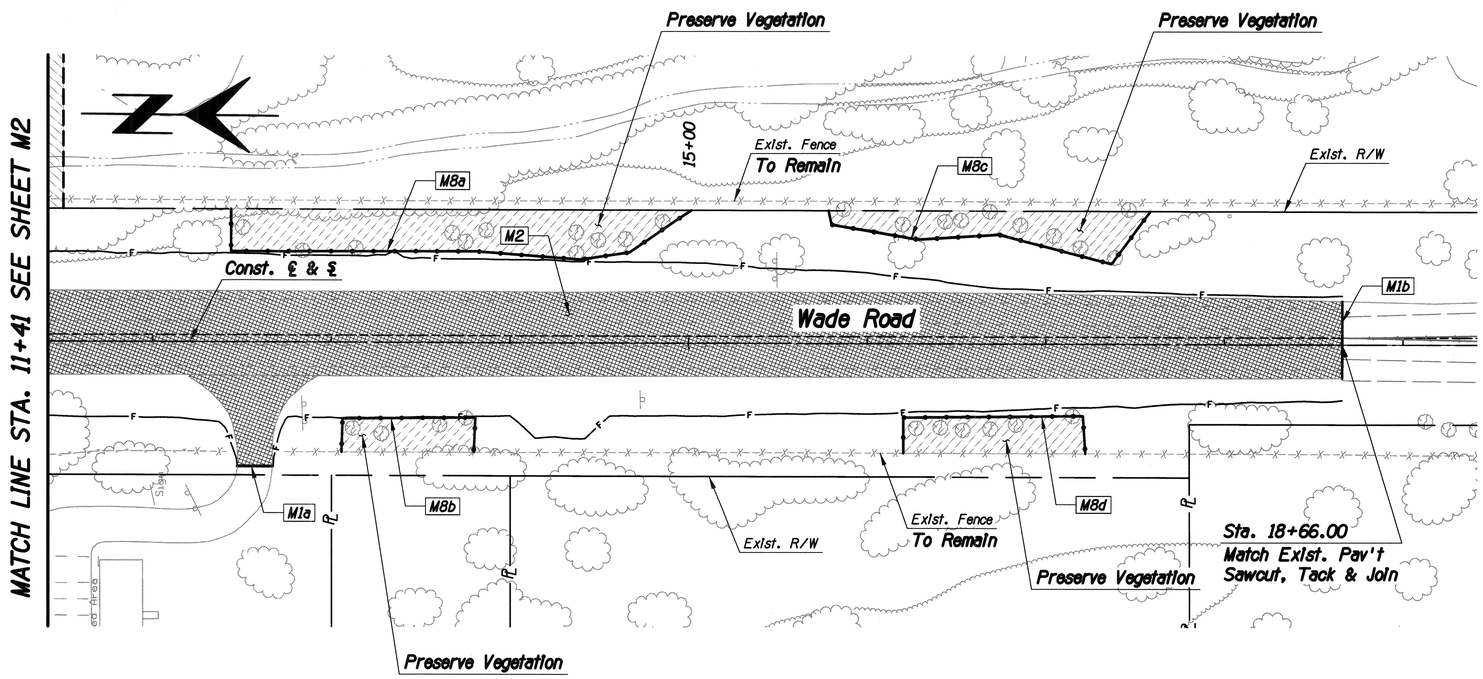


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M1	63	L.F.	Sawcut Pavement
a	20	L.F.	Sta. 12+47.51, 69.8' Rt. to Sta. 12+67.13, 69.8' Rt.
b	43	L.F.	Sta. 18+66.00, 24.6' Lt. to Sta. 18+66.00, 18.8' Rt.
M2	3,984	S.Y.	Removal of Bituminous Pav't
M5	0.60	Ac.	Clear and Grub
M8	749	L.F.	Install Preservation Fencing See Detail 8 on Sheet L23
a	289	L.F.	Sta. 12+43.65, 75.0' Lt. to Sta. 12+43.71, 51.3' Lt. to Sta. 13+80.71, 51.6' Lt. to Sta. 14+39.38, 47.2' Lt. to Sta. 14+66.71, 51.3' Lt.
b	113	L.F.	Sta. 13+05.77, 61.8' Rt. to Sta. 13+06.37, 42.9' Rt. to Sta. 13+80.73, 42.2' Rt. to Sta. 13+79.86, 61.7' Rt.
c	205	L.F.	Sta. 15+78.15, 75.0' Lt. to Sta. 15+79.90, 66.9' Lt. to Sta. 16+28.20, 58.8' Lt. to Sta. 16+73.74, 61.7' Lt. to Sta. 17+36.64, 45.4' Lt. to Sta. 17+58.45, 75.0' Lt.
d	142	L.F.	Sta. 16+20.31, 61.5' Rt. to Sta. 16+20.26, 41.5' Rt. to Sta. 17+20.80, 40.4' Rt. to Sta. 17+22.18, 61.5' Rt.

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All water valve and meter adjustments are shown on the Water Relocation Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

DEMOLITION PLANS

40 0 40 80

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

Sheet M10 of M11

Page 78 of 281

TRACS No. SS975 01C

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed	KAM	Date 03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A.

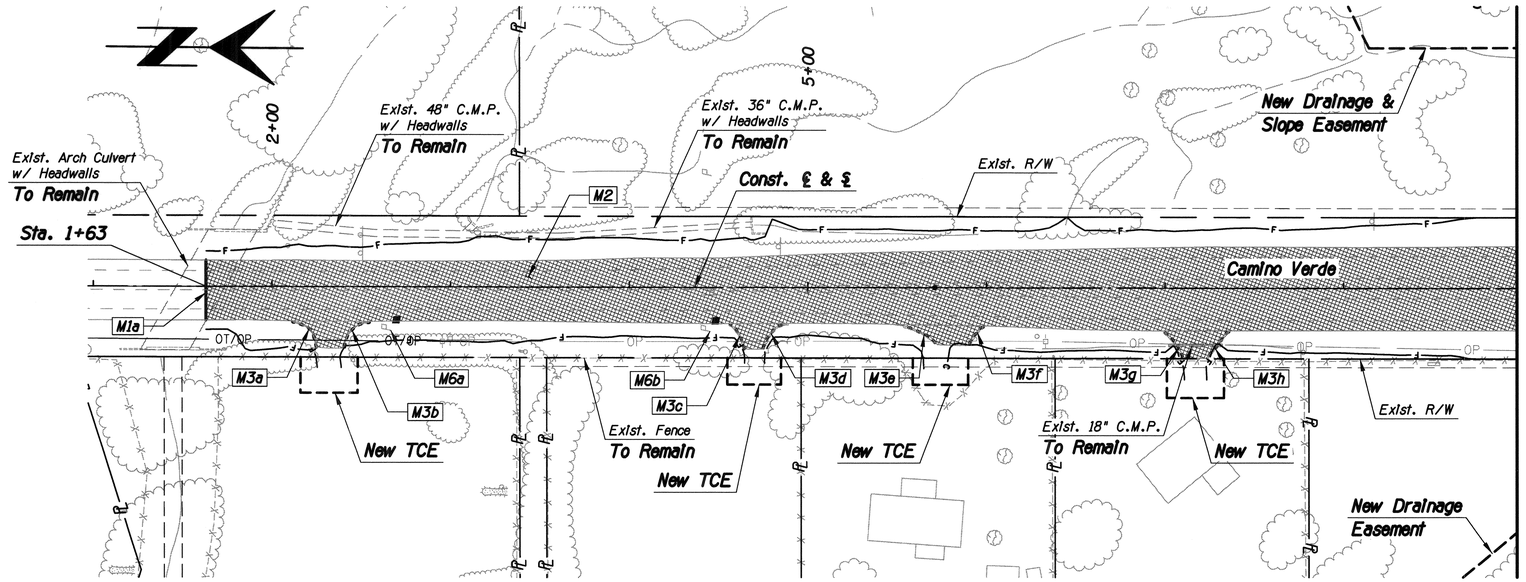
Expires 7-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 324-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Project ID: 00000000152226
Client Number: 012145

Pentable: 15222S_PLOTORDR.TBL
Plotdriver: 152226_V&FULL_B&W_PDF.plt



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
M1	34	L.F.	Sawcut Pavement
a	34	L.F.	Sta. 1+63.00, 14.8' Lt. to Sta. 1+63.00, 19.2' Rt.
M2	3,458	S.Y.	Removal of Bituminous Pav't
M3	147	L.F.	Removal of Curb
a	22	L.F.	Header-Sta. 2+11.62, 20.0' Rt. to Sta. 2+25.08, 34.3' Rt.
b	22	L.F.	Header-Sta. 2+40.40, 34.3' Rt. to Sta. 2+54.43, 20.1' Rt.
c	16	L.F.	Header-Sta. 4+56.62, 20.9' Rt. to Sta. 4+64.63, 34.8' Rt.
d	21	L.F.	Header-Sta. 4+74.87, 34.3' Rt. to Sta. 4+88.84, 20.5' Rt.
e	20	L.F.	Header-Sta. 5+53.79, 21.7' Rt. to Sta. 5+71.31, 30.9' Rt.
f	12	L.F.	Header-Sta. 5+90.44, 31.3' Rt. to Sta. 5+98.46, 21.9' Rt.
g	17	L.F.	Header-Sta. 7+00.14, 25.1' Rt. to Sta. 7+09.99, 38.9' Rt.
h	17	L.F.	Header-Sta. 7+24.67, 37.6' Rt. Sta. 7+35.62, 24.5' Rt.
M5	0.36	Ac.	Clear & Grub
M6	2	Each	Relocate Mailboxes
a	1	Each	Mailbox-Sta. 2+66.44, 24.8' Rt.
b	1	Each	Mailbox-Sta. 4+45.17, 25.0' Rt.

All removals are paid for under Item No. 2020001.

Notes:

1. All sign removal information is shown on Signing Plans.
2. All water valve and meter adjustments are shown on the Water Relocation Plans.
3. Prior to clearing and grubbing, site shall be treated for buffelgrass and other invasive species. See Special Provisions 201-3.01 and 201-3.04. The location of areas of invasive species shown may have changed since the preparation of these plans. All areas containing invasive species must be treated whether shown here or not.
4. Location of preservation fencing shown on plans corresponds to conditions at time of plan preparation. Conditions may have been altered between plan preparation and construction. Fencing may be adjusted in field at the direction of the Engineer based on current field conditions.

DEMOLITION PLANS

40 0 40 80

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

Sheet M11 of M11

Page 79 of 281

TRACS No. SS975 01C

Print Scale: 1:40

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

No.	Revision Description	Engineer	Date

			Date
Designed	KAM		03/2014
Drawn	KAM, JMF		03/2014
Checked	ROB		03/2014
Proj. Engr.	ROB		03/2014

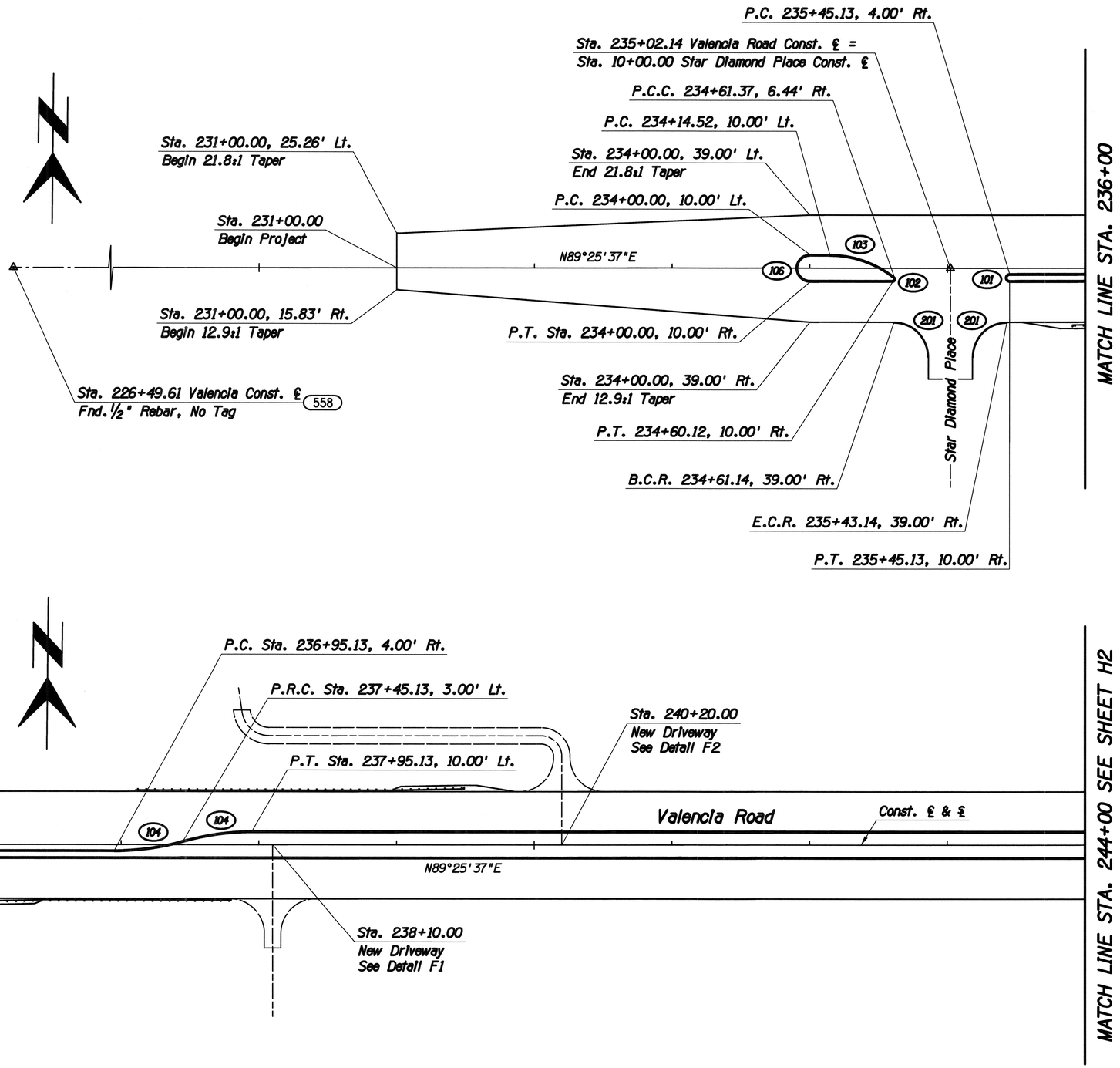
Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

Pentable: 152226_PLOTORDR.TBL
PltDriver: D52226_V8FULL_BW_PDF.plt

Project ID: 0000000052226
Client Number: 012145



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

COORDINATE TABLE

NO.	NORTHING	EASTING
558	413195.9388	945766.0566

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
102	2.00'	141°20'09"	4.93'	5.70'
103	75.00'	38°39'51"	50.61'	26.31'
104	182.07'	15°56'21"	50.65'	25.49'
106	10.00'	180°00'00"	31.42'	N/A
201	25.00'	90°00'00"	39.27'	25.00'

No.	Revision Description	Engineer	Date

Designed	KAM	Date 03/2014
Drawn	KAM, JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

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

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Not Signed 7-21-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40'	Sheet H1 of H9	Page 80 of 281
	Vert. 1"=4'		

Print Scale: 1:40

TRACS No. SS975 01C

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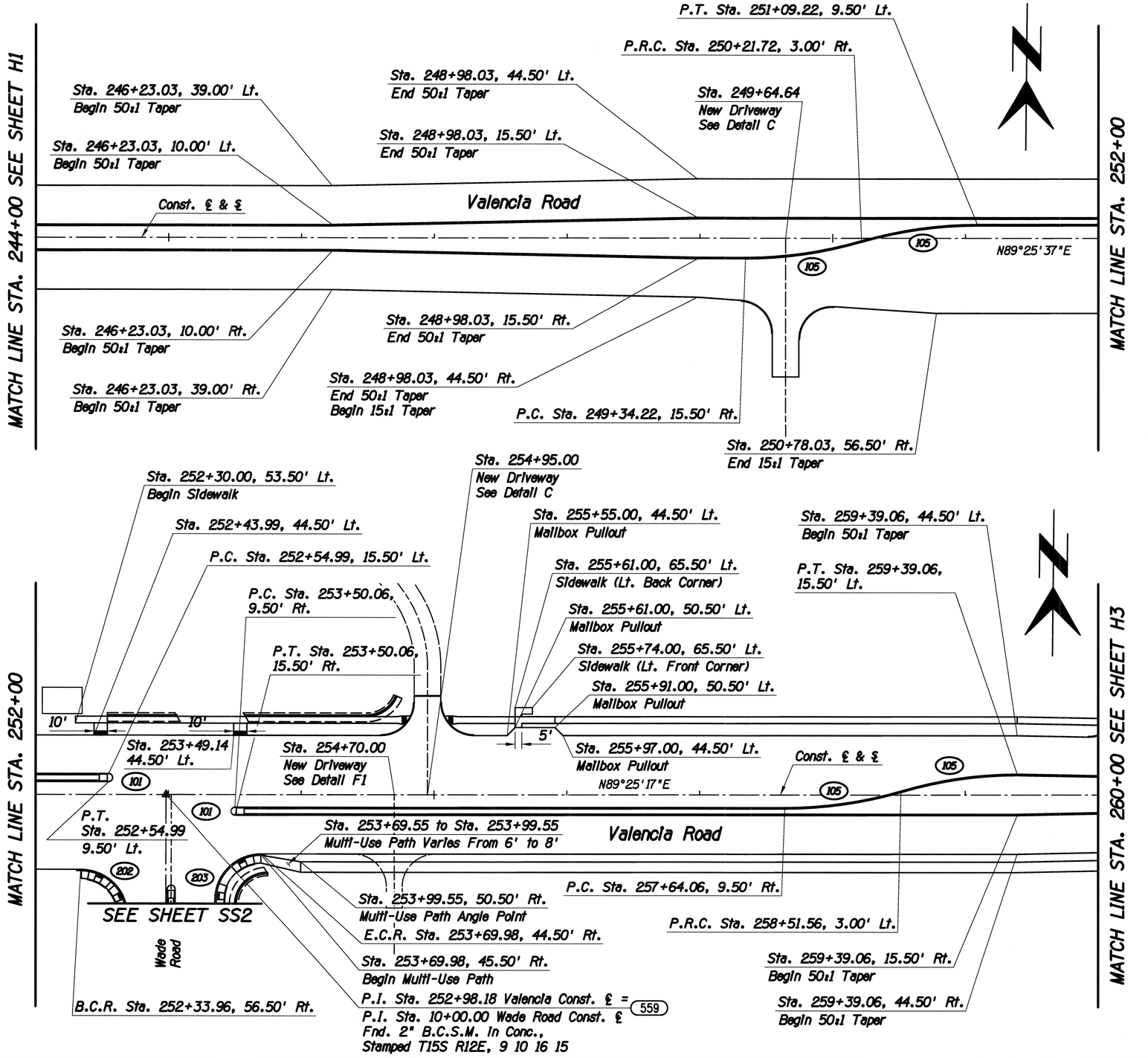
Project ID: 0000000052226
Client Number: 02145



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

COORDINATE TABLE

NO.	NORTHING	EASTING
559	413222.4226	948414.4968

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
105	312.50'	16°15'37"	88.69'	44.64'
202	35.00'	90°08'27"	55.06'	35.09'
203	35.00'	89°51'12"	54.89'	34.91'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 3-31-14 ARIZONA U.S.A. Exp. Pres 3-31-17

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet H2 of H9	Page 81 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
Model: B01C02

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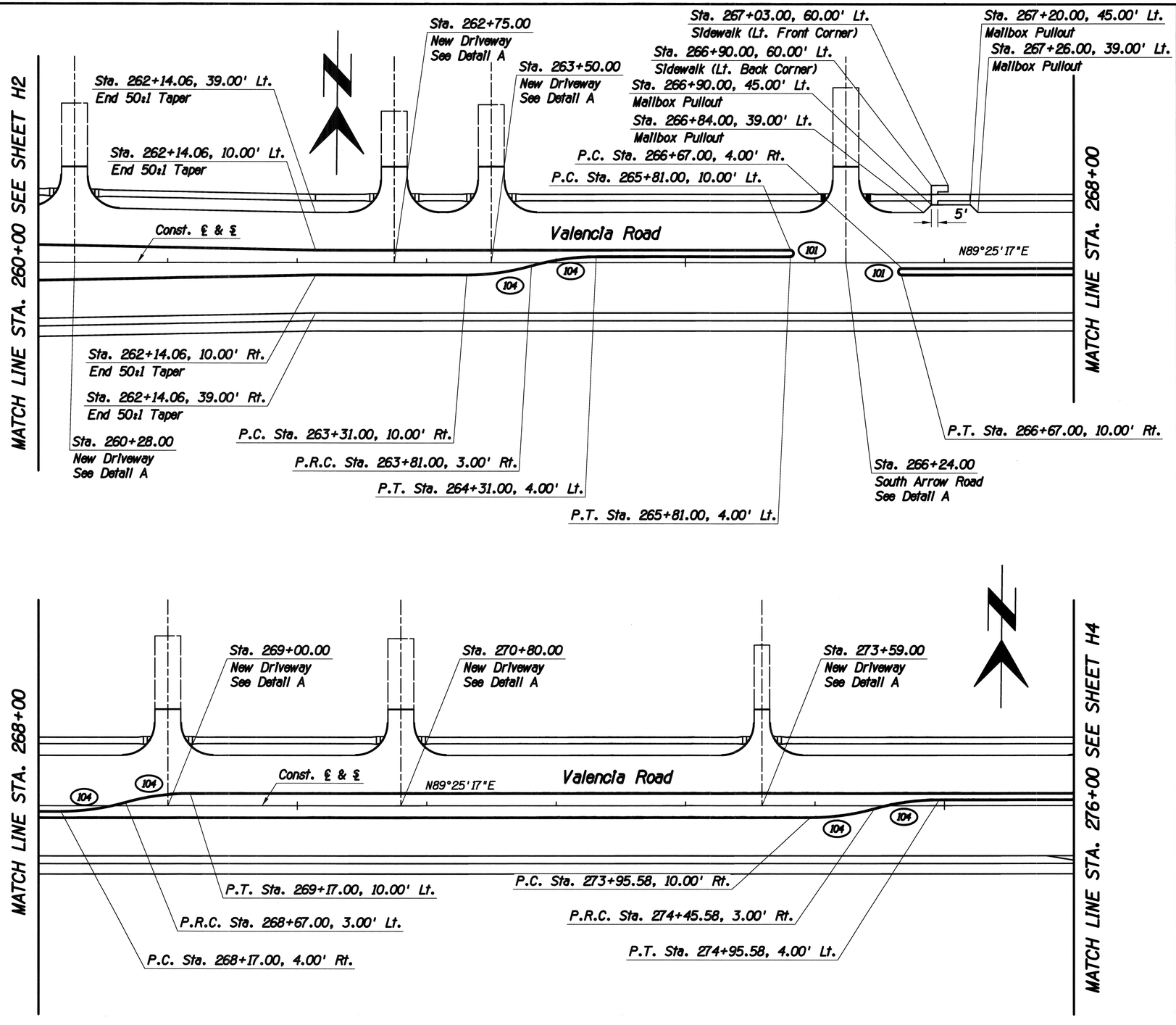
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
104	182.07'	15°56'21"	50.65'	25.49'

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet H3 of H9	Page 82 of 281

TRACS No. SS975 01C

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A. Expires 3-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW_PDF.plt

Project ID: 0000000052226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
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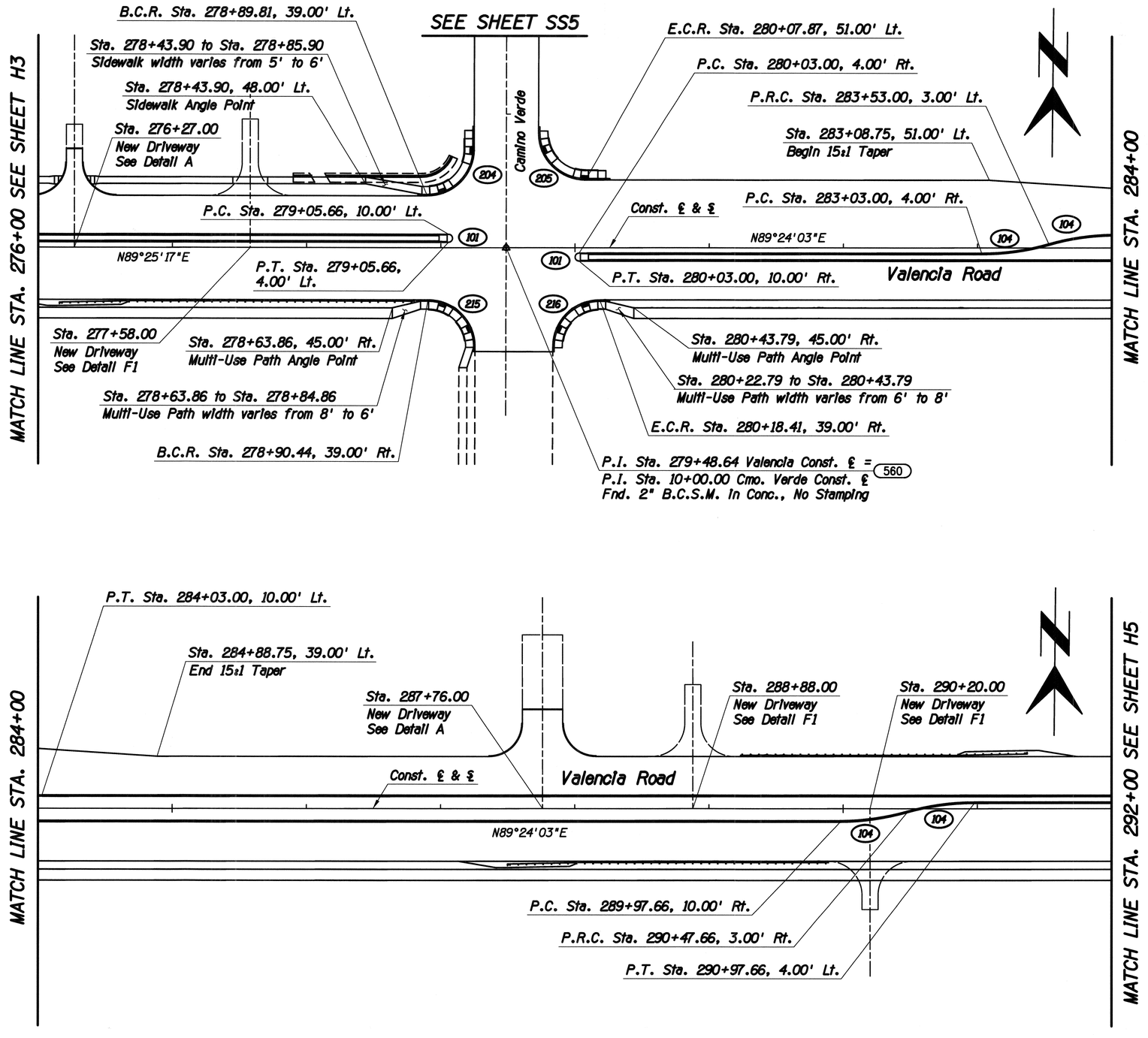


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

COORDINATE TABLE

NO.	NORTHING	EASTING
560	413249.1914	951064.8202

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
104	182.07'	15°56'21"	50.65'	25.49'
204	35.00'	89°52'09"	54.90'	34.92'
205	35.00'	90°09'05"	55.07'	35.09'
215	35.00'	90°09'29"	55.07'	35.10'
216	35.00'	89°49'17"	54.87'	34.89'

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40'
	Vert. 1"=4'

Sheet H4 of H9

Page 83 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

No.	Revision Description	Engineer	Date

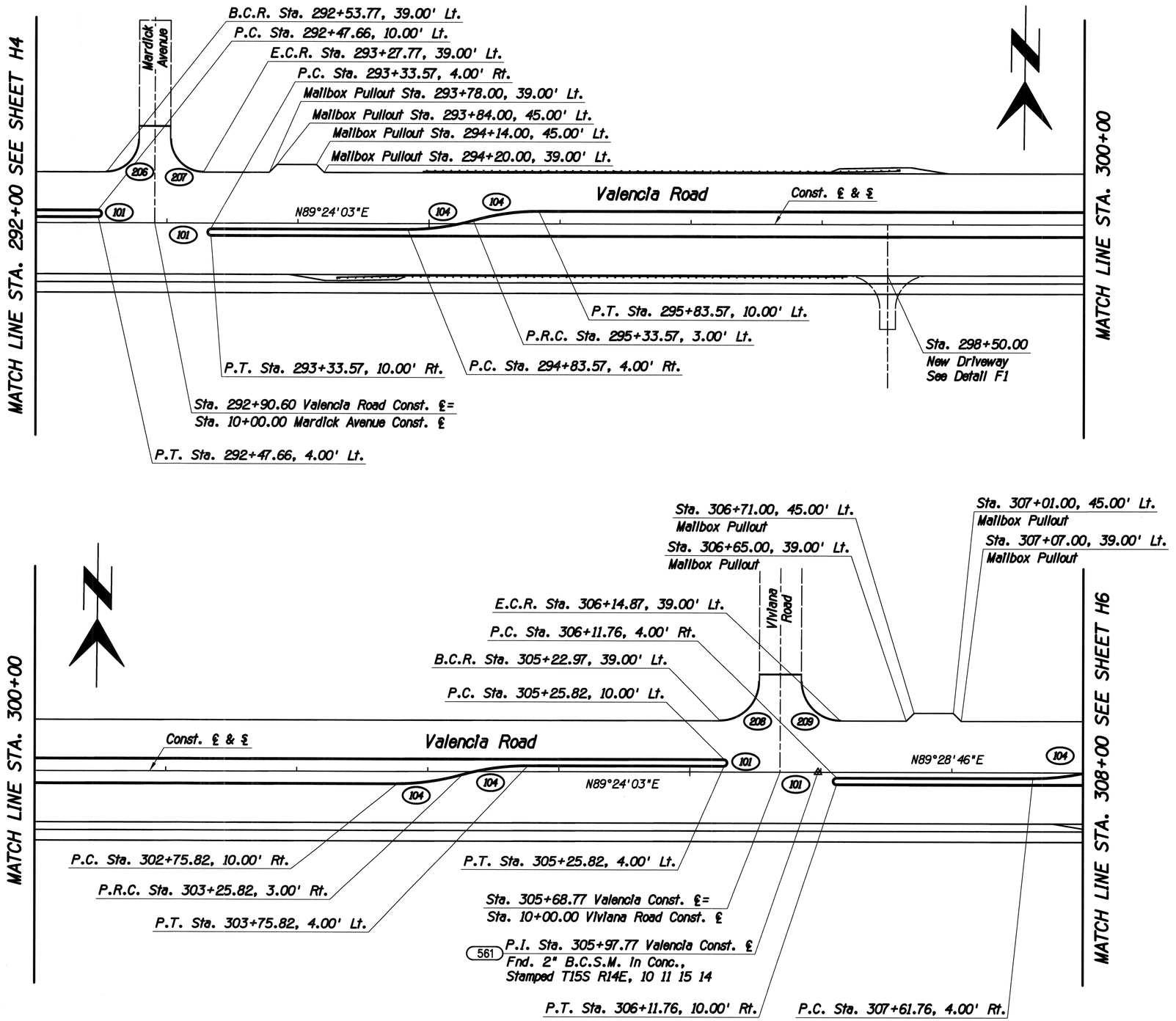
		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 9-30-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XUL_BW_PDF.plt

Project ID: 0000000052226
Client Number: 012145



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0123(01A			
		0000 PM PPM SS975 01C			

COORDINATE TABLE

NO.	NORTHING	EASTING
561	413276.8973	953713.8024

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
104	182.07'	15°56'21"	50.65'	25.49'
206	25.00'	89°50'22"	39.20'	24.93'
207	25.00'	90°09'38"	39.34'	25.07'
208	30.00'	89°50'06"	47.04'	29.91'
209	30.00'	90°05'11"	47.17'	30.05'

Date	Designed	Drawn	Checked	Proj. Engr.
03/2014	KAM	KAM-JMF	AF	RDB
03/2014				
03/2014				

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 7-31-14
ARIZONA U.S.A.
Expires 3-31-15

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ. 85711-4459
(520) 394-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40'	Sheet H5 of H9	Page 84 of 281
	Vert. 1"=4'		

Print Scale: 1:40

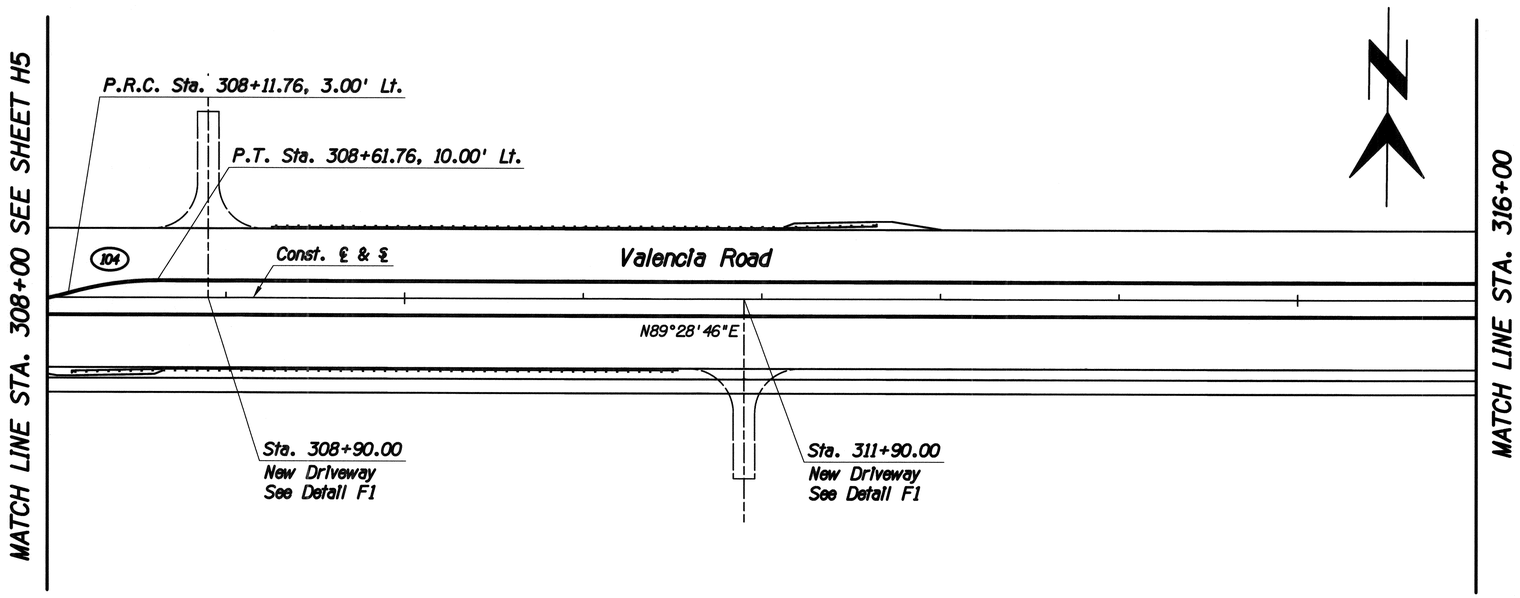
TRACS No. SS975 01C

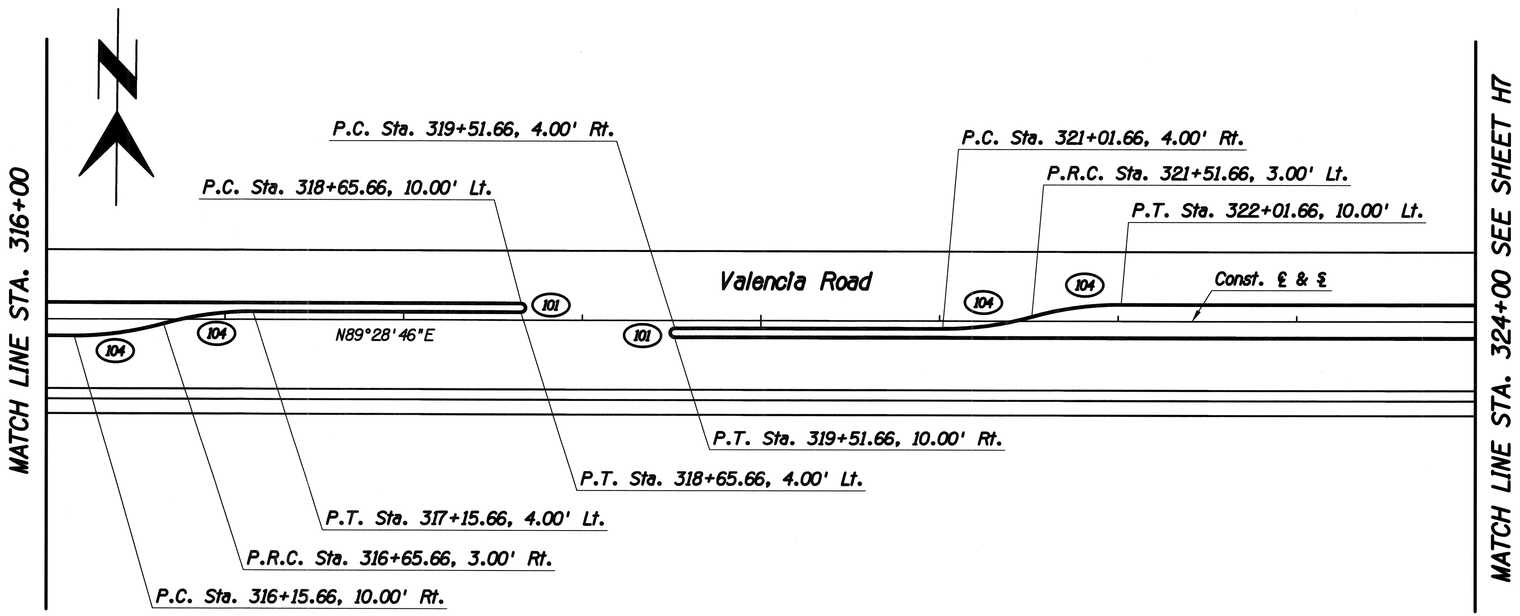
Project ID: 0000000000152226
Client Number: 01245

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8PULL_BW_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
Model: B01C05

Printed By: jefrey Date: 7/21/2014 2:17:02 PM





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
104	182.07'	15°56'21"	50.65'	25.49'

GEOMETRIC LAYOUT

40 0 40 80

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

Sheet H6 of H9

Page 85 of 281

TRACS No. SS975 01C

Print Scale: 1:40

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

Designed	KAM	Date 03/2014
Drawn	KAM, JMF	03/2014
Checked	AF	03/2014
Proj. Engr.	RDB	03/2014

No.	Revision Description	Engineer	Date

Registered Professional Engineer (State)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-2500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Portable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XUL_BW_PDF.plt

Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
Model: B01C06
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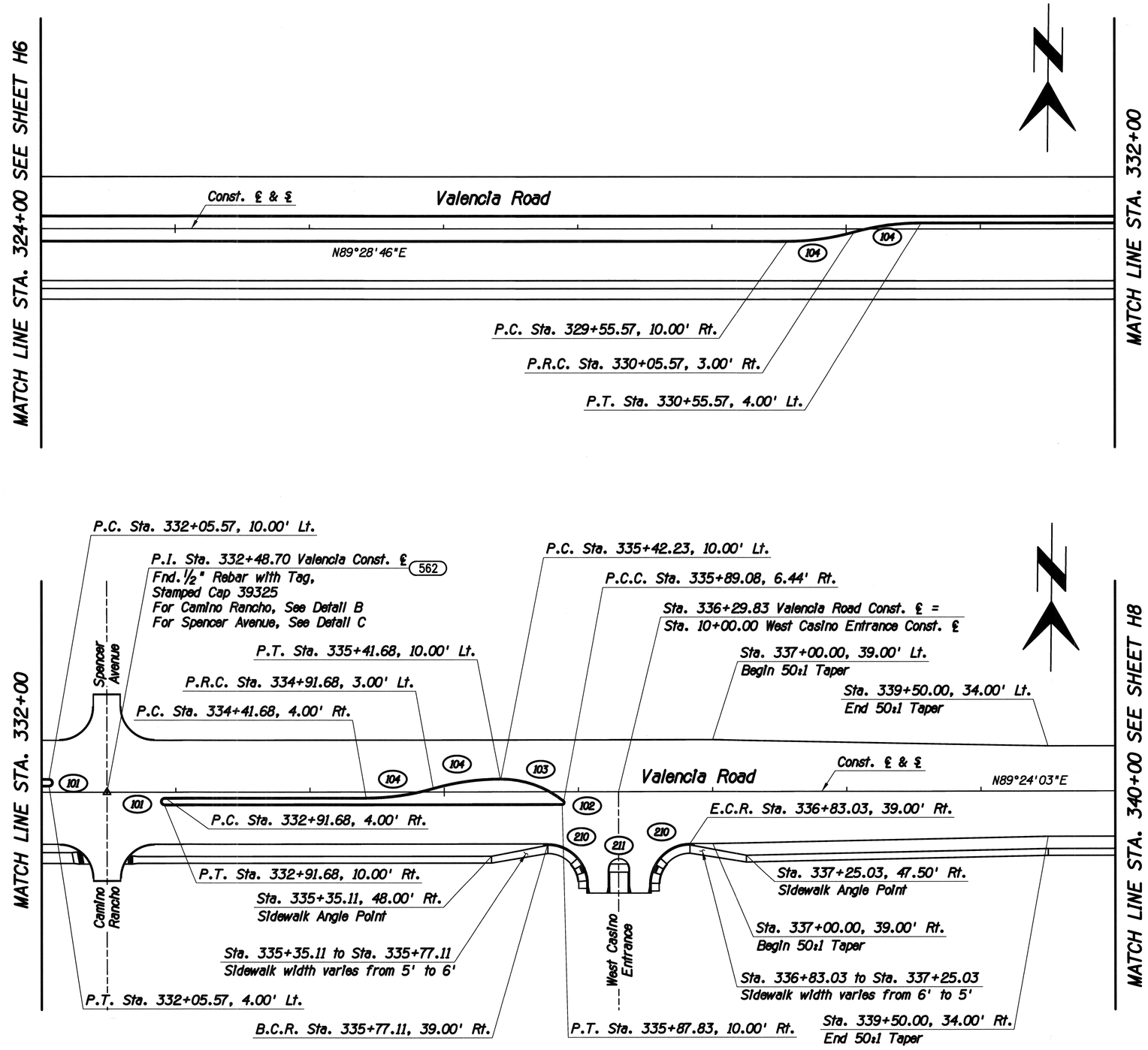

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

COORDINATE TABLE

NO.	NORTHING	EASTING
562	413300.9878	956364.6229

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A
102	2.00'	141°20'09"	4.93'	5.70'
103	75.00'	38°39'51"	50.61'	26.31'
104	182.07'	15°56'21"	50.65'	25.49'
210	30.00'	90°00'00"	47.12'	30.00'
211	7.88'	180°00'00"	24.75'	N/A

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM,JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A. Expires 7-31-17

Pima County Department of Transportation

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

GEOMETRIC LAYOUT

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet H7 of H9	Page 86 of 281

Project ID: 0000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
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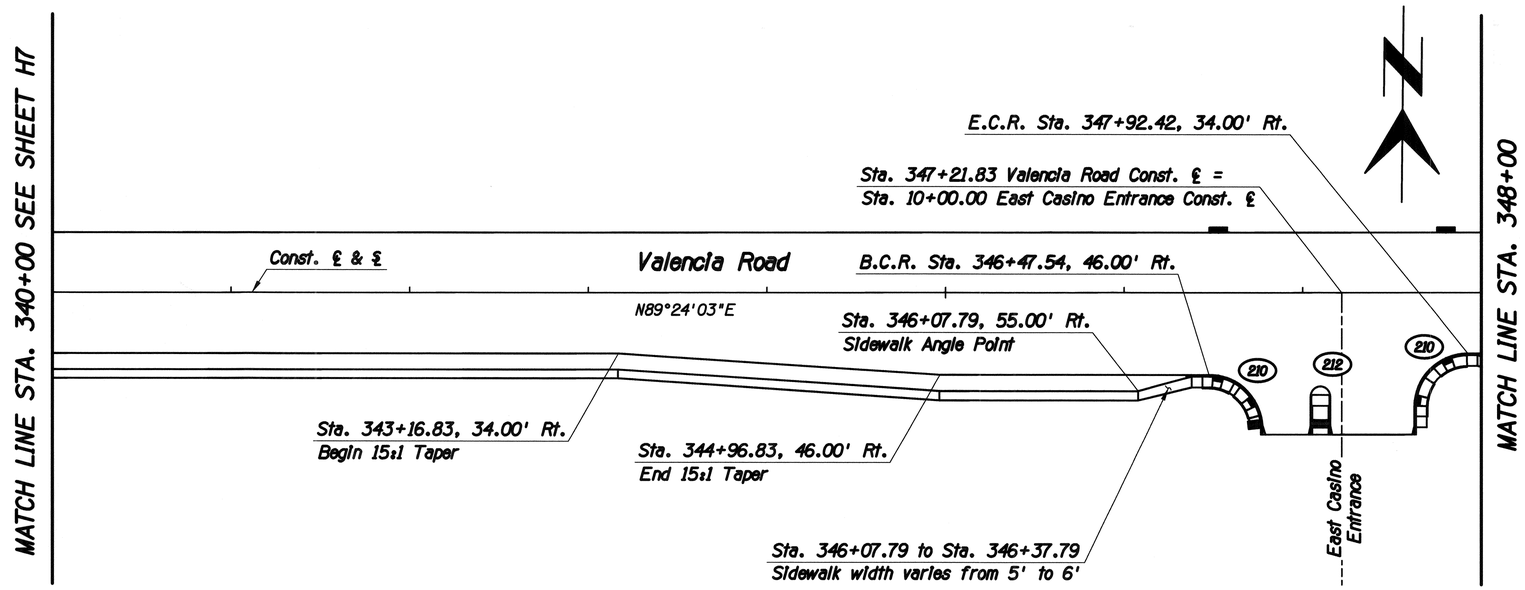
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

CURVE DATA

NO.	R	Δ	L	T
210	30.00'	90°00'00"	47.12'	30.00'
212	5.53'	180°00'00"	17.37'	N/A

GEOMETRIC LAYOUT

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM,JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A. Expires 3-31-17

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet H8 of H9	Page 87 of 281

Project ID: 000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\01C-01.dgn
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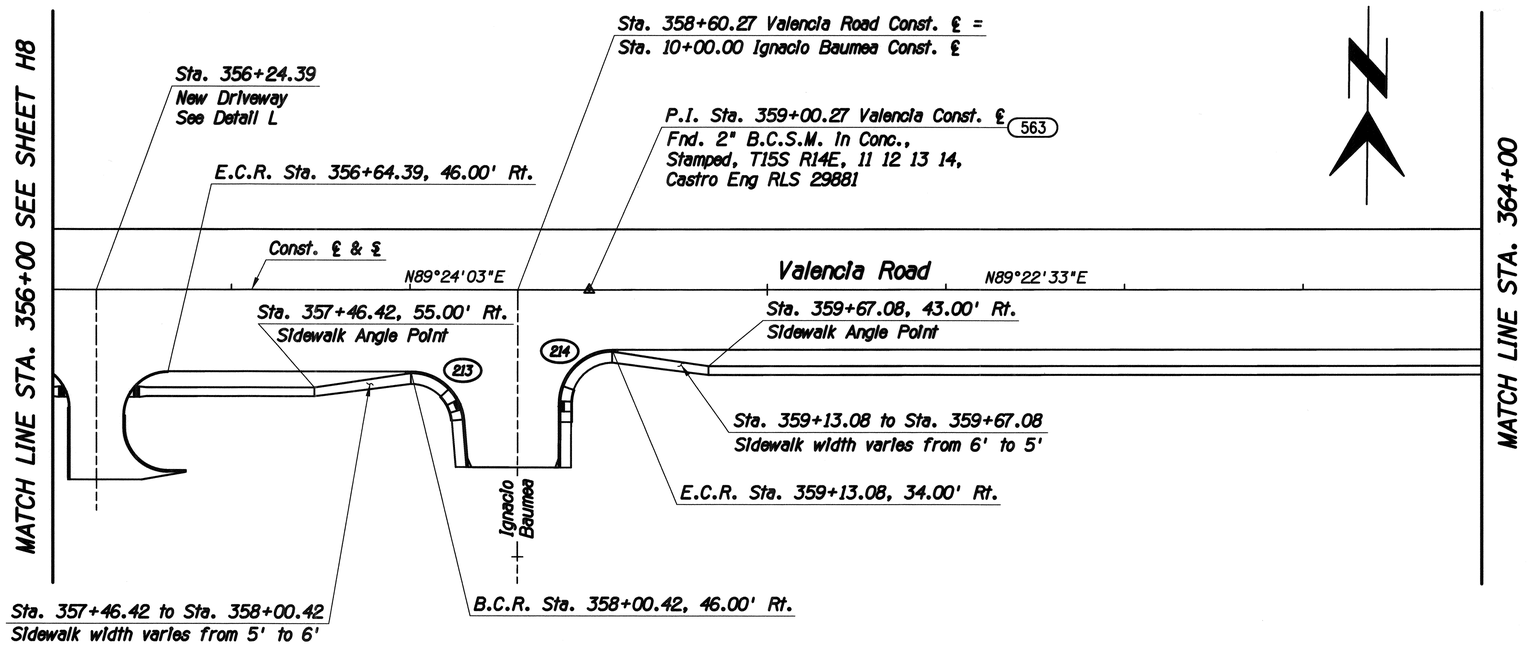
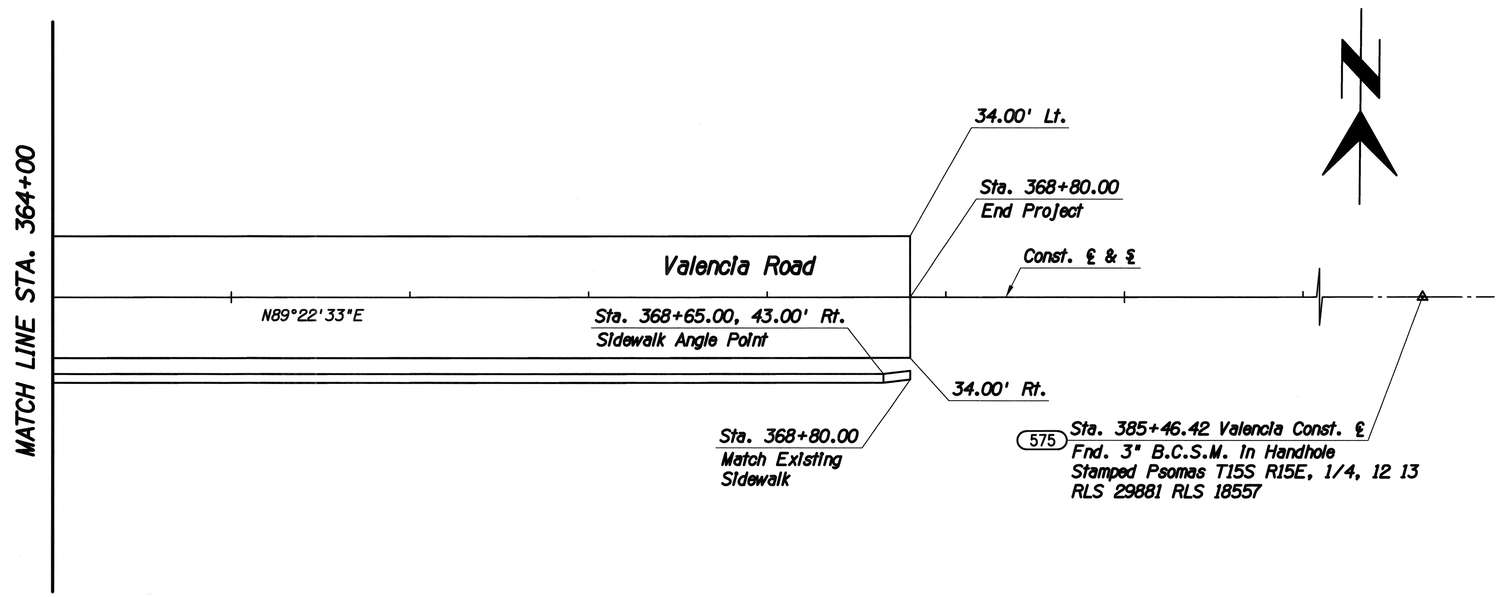
Date: 7/21/2014 2:17:06 PM
Print Scale: 1:40
TRACS No. SS975 01C





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0I230A			
		0000 PM PPM SS975 0IC			

COORDINATE TABLE

NO.	NORTHING	EASTING
563	413328.7137	959016.0505
575	413357.5448	961662.0403

CURVE DATA

NO.	R	Δ	L	T
213	30.00'	85°24'42"	44.72'	27.69'
214	30.00'	89°49'03"	47.03'	29.90'

GEOMETRIC LAYOUT

40 0 40 80

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

Sheet H9 of H9

Page 88 of 281

TRACS No. SS975 01C

Print Scale: 1:40

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

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	AY	03/2014
Proj. Engr.	RDB	03/2014

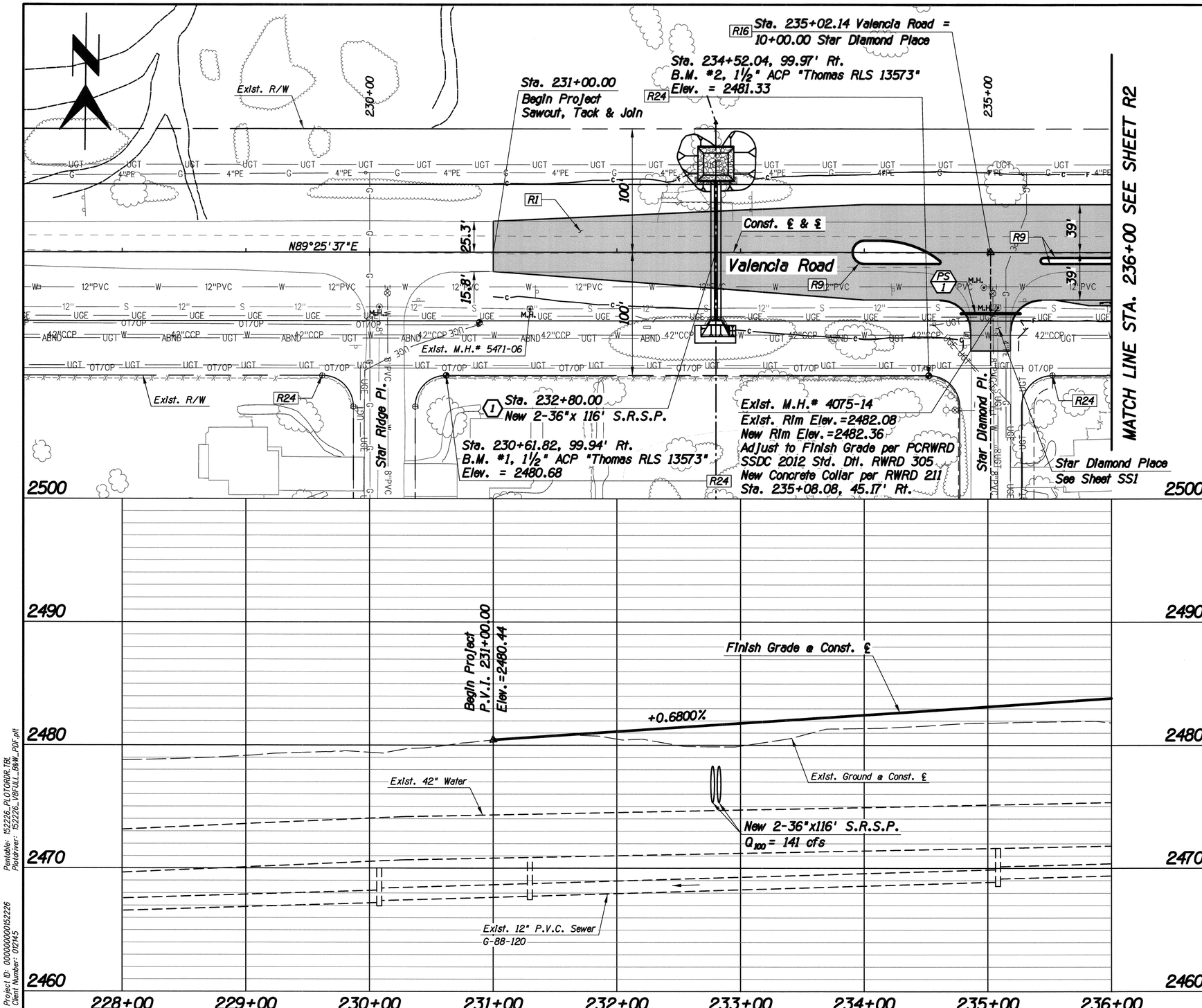
Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 4-11-14
ARIZONA U.S.A.
Expires 7-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Project ID: 0000000015226
Client Number: 012145

Pentable: 15226_PLOTORDR.TBL
Plotdriver: 15226_VBFULL_B&W_PDF.plt



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	3553	S.Y.	Pav't Struct. Sec. No. 1
R9	281	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R24	4	Each	Property Corner Protect In Place

1 New Pipe Culvert See Summary Sheet for Qtys.

PS 1 New Pipe Sleeve See Detail S

PAVING PLAN/PROFILE
STA. 228+00 TO 236+00

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 3-31-14 ARIZONA U.S.A.
Expires 3-31-17

Pima County Department of Transportation

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R1 of R18	Page 89 of 281

Project ID: 0000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C00
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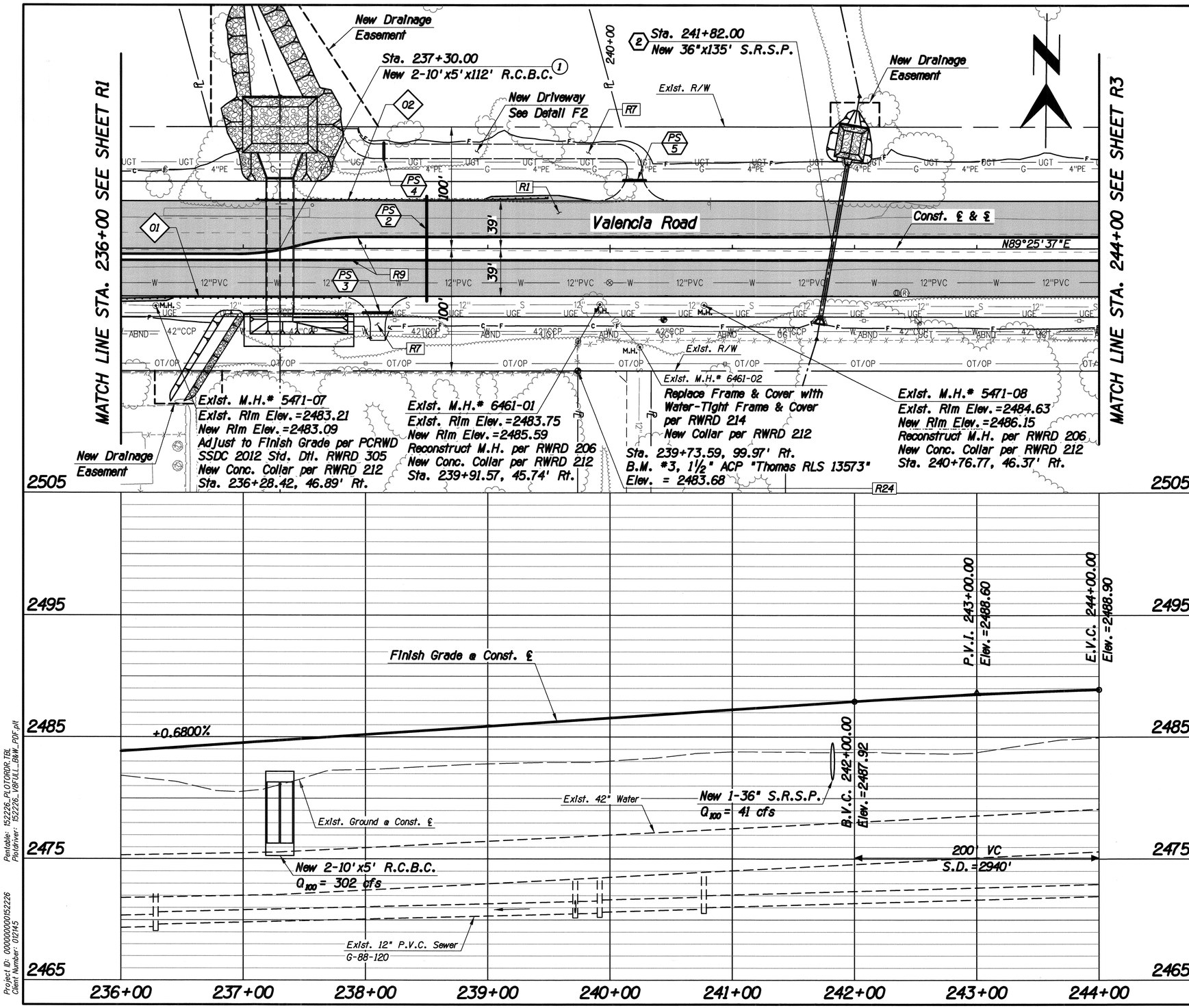

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5381	S.Y.	Pav't Struct. Sec. No. 1
R7	477	S.Y.	Pav't Struct. Sec. No. 7
R9	1601	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R24	1	Each	Property Corner Protect In Place

(2) New Pipe Culvert
See Summary Sheet for Qtys.

(1) New Box Culvert
See Summary Sheet for Qtys.

PS/5 New Pipe Sleeve
See Detail S

01 New Barrier
See Summary Sheet for Qtys.

PAVING PLAN/PROFILE
STA. 236+00 TO 244+00

40 0 40 80

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

Sheet R2 of R18

Page 90 of 281

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 3-31-14 ARIZONA U.S.A.
Expires 3-31-17

HDR
HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
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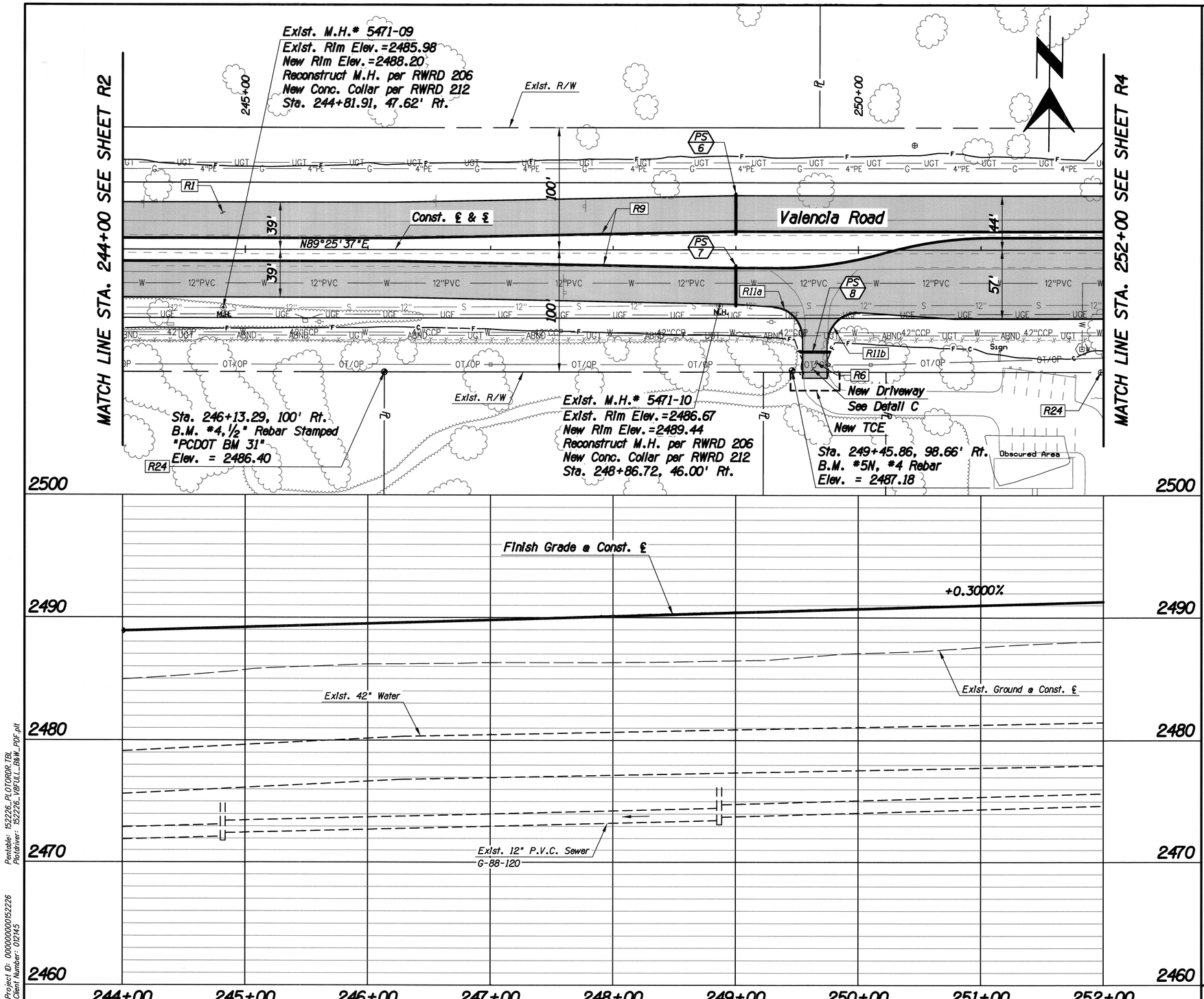
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5933	S.Y.	Pav't Struct. Sec. No. 1
R6	155	S.Y.	Pav't Struct. Sec. No. 6
R9	1603	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	79	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	38	L.F.	Sta. 249+31.14, 46.7' Rt. to Sta. 249+54.48, 71.7' Rt.
b	41	L.F.	Sta. 249+74.47, 76.3' Rt. to Sta. 250+01.14, 51.4' Rt.
R24	2	Each	Property Corner Protect In Place

PS 6 — New Pipe Sleeve See Detail S

No.	Revision Description	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Registered Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date signed 3-11-17
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

PAVING PLAN/PROFILE
STA. 244+00 TO 252+00

40 0 40 80

Scales	Horiz. 1"=40' / Vert. 1"=4'	Sheet R3 of R18	Page 91 of 281

Print Scale: 1:40

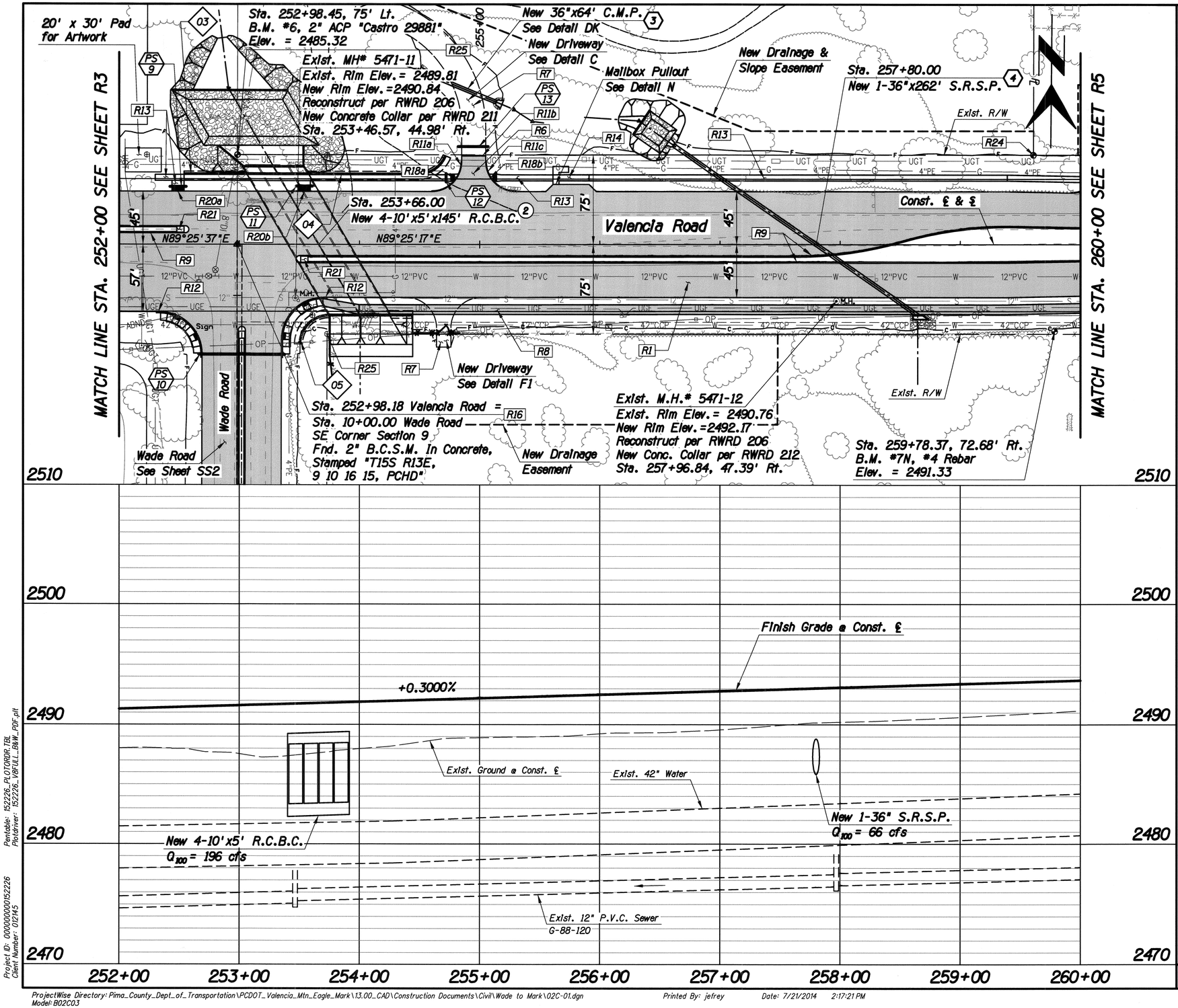
TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8PUL_B&W_PDF.plt

Project ID: 00000000152226
Client Number: 01245

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C02

Printed By: jefrey Date: 7/21/2014 2:17:19 PM



Item No.	Qty.	Unit	Description
R1	7186	S.Y.	Pav't Struct. Sec. No. 1
R6	95	S.Y.	Pav't Struct. Sec. No. 6
R7	455	S.Y.	Pav't Struct. Sec. No. 7
R8	557	S.Y.	Pav't Struct. Sec. No. 8
R9	1431	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	98	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 254+60.00, 44.5' Lt. to Sta. 254+85.00, 69.5' Lt.
b	20	L.F.	Sta. 254+85.00, 74.0' Lt. to Sta. 255+05.00, 74.0' Lt.
c	39	L.F.	Sta. 255+05.00, 69.5' Lt. to Sta. 255+30.00, 44.5' Lt.
R12	2	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	3635	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R14	240	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200 (6" Thick)
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R18	2	Each	Sidewalk Access Ramp Detail J
a	1	Each	Sta. 254+81.04, 56.00' Lt.
b	1	Each	Sta. 255+08.96, 56.00' Lt.
R20	2	Each	Concrete Landing with Detectable Warning Strip Detail K
a	1	Each	Sta. 252+48.99, 44.5' Lt.
b	1	Each	Sta. 253+54.14, 44.5' Lt.
R21	2	Each	Median Refuge Area, Type 1 PC Std. Dtl. 207 Sheet 6 of 8
R24	1	Each	Property Corner Protect In Place
R25	2	Each	New Property Corner

(4) New Pipe Culvert
See Summary Sheet for Qtys.

(2) New Box Culvert
See Summary Sheet for Qtys.

PS 13 New Pipe Sleeve
See Detail S

05 New Barrier
See Summary Sheet for Qtys.

PAVING PLAN/PROFILE
STA. 252+00 TO 260+00

40 0 40 80

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

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

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RJB	03/2014
Proj. Engr.	RJB	03/2014

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 1-31-14
ARIZONA U.S.A.

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R4 of R18	Page 92 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTPRPR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C03
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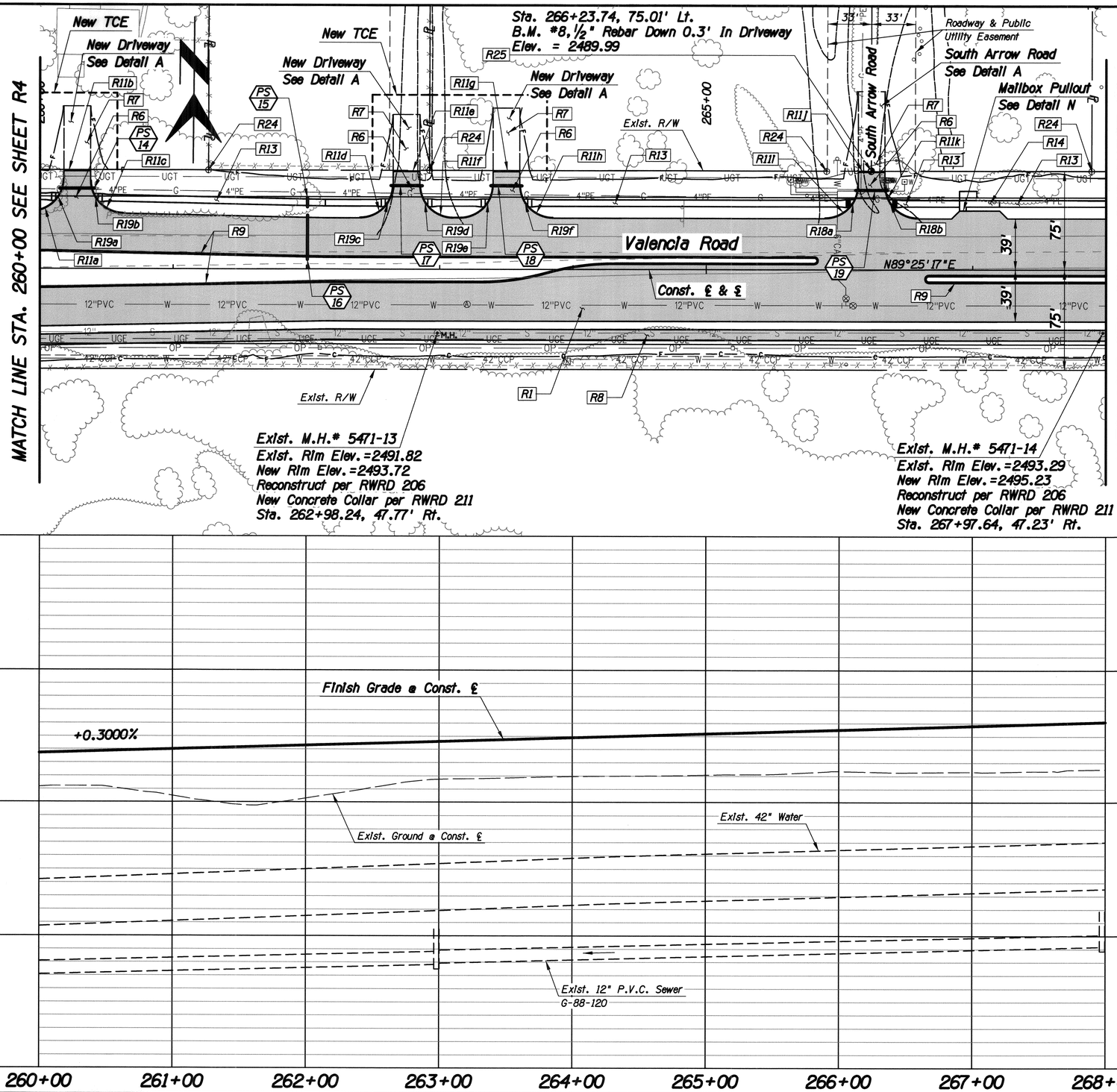


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5886	S.Y.	Pav't Struct. Sec. No. 1
R6	423	S.Y.	Pav't Struct. Sec. No. 6
R7	442	S.Y.	Pav't Struct. Sec. No. 7
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1448	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	399	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	40	L.F.	Sta. 259+92.50, 43.4' Lt. to Sta. 260+18.00, 68.4' Lt.
b	20	L.F.	Sta. 260+18.00, 74.0' Lt. to Sta. 260+38.00, 74.0' Lt.
c	39	L.F.	Sta. 260+38.00, 67.0' Lt. to Sta. 260+62.50, 42.0' Lt.
d	39	L.F.	Sta. 262+40.00, 39.0' Lt. to Sta. 262+65.00, 64.0' Lt.
e	20	L.F.	Sta. 262+65.00, 74.0' Lt. to Sta. 262+85.00, 74.0' Lt.
f	84	L.F.	Sta. 262+85.00, 64.0' Lt. to Sta. 263+40.00, 64.0' Lt.
g	20	L.F.	Sta. 263+40.00, 74.0' Lt. to Sta. 263+60.00, 74.0' Lt.
h	39	L.F.	Sta. 263+60.00, 64.0' Lt. to Sta. 263+85.00, 39.0' Lt.
i	39	L.F.	Sta. 265+89.00, 39.0' Lt. to Sta. 266+14.00, 64.0' Lt.
j	20	L.F.	Sta. 266+14.00, 74.0' Lt. to Sta. 266+34.00, 74.0' Lt.
k	39	L.F.	Sta. 266+34.00, 64.0' Lt. to Sta. 266+60.00, 39.0' Lt.
R13	3086	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R14	240	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200 (6" Thick)
R18	2	Each	Sidewalk Access Ramp Detail J
a	1	Each	Sta. 266+10.02, 50.50' Lt.
b	1	Each	Sta. 266+37.93, 50.50' Lt.
R19	6	Each	Sidewalk Access Ramp Detail J, (Omit Detectable Warning Strip)
a	1	Each	Sta. 260+13.77, 54.51' Lt.
b	1	Each	Sta. 260+41.69, 53.95' Lt.
c	1	Each	Sta. 262+61.04, 50.50' Lt.
d	1	Each	Sta. 262+88.96, 50.50' Lt.
e	1	Each	Sta. 263+36.04, 50.50' Lt.
f	1	Each	Sta. 263+63.96, 50.50' Lt.
R24	3	Each	Property Corner Protect In Place
R25	1	Each	New Property Corner

PS 19 — New Pipe Sleeve See Detail S

PAVING PLAN/PROFILE STA. 260+00 TO 268+00

40 0 40 80

No.	Revision Description	Engineer	Date

Designed	ABL	03/2014
Drawn	JWF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3500

Registered Professional Engineer
Certificate No. 13762
Robert Dean Brittain
Date Signed 3-31-17
Arizona U.S.A.
Engrs 3-31-17

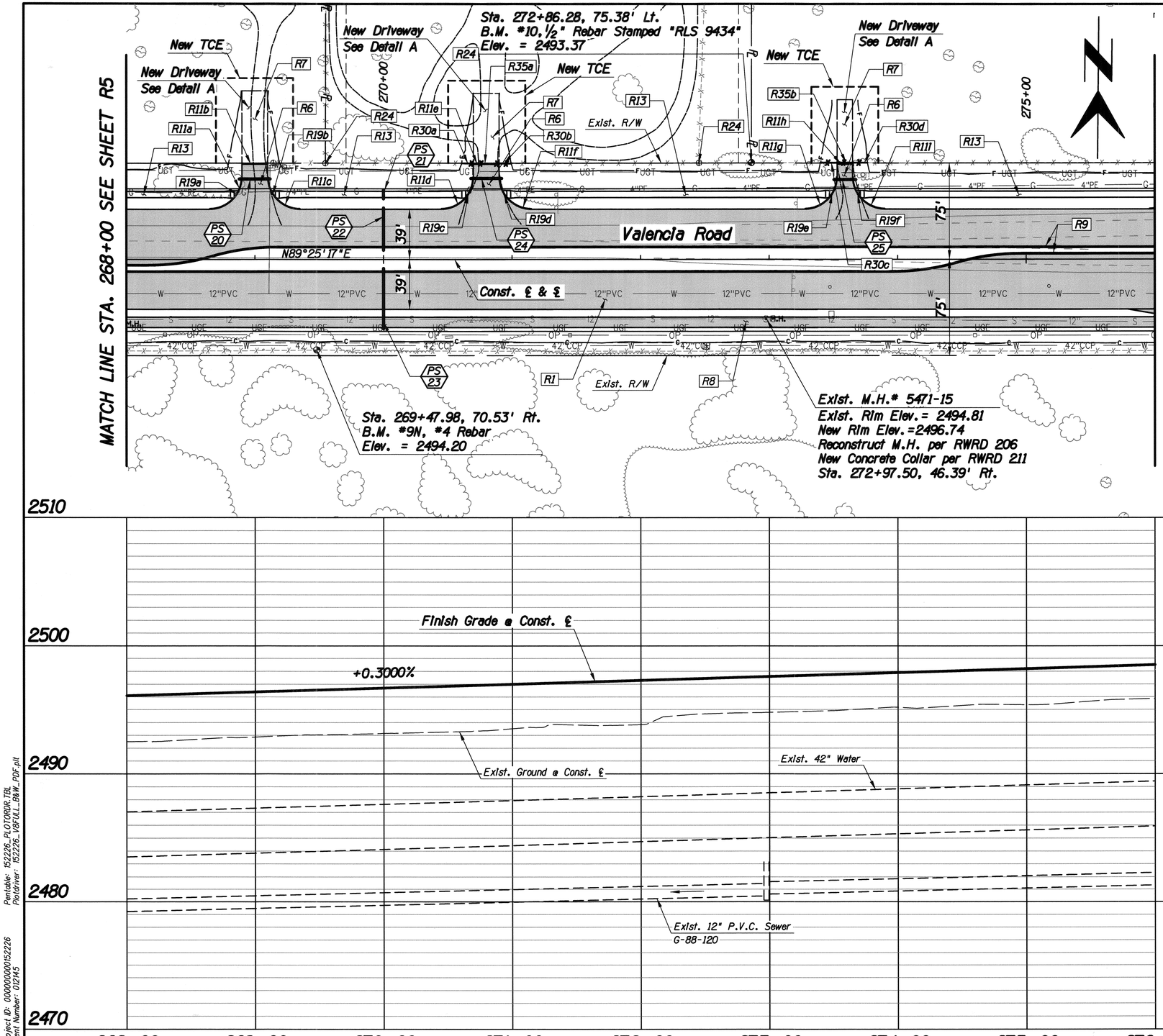
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C04

Printed By: jefrey Date: 7/21/2014 2:17:23 PM

Print Scale: 1:40

TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5500	S.Y.	Pav't Struct. Sec. No. 1
R6	292	S.Y.	Pav't Struct. Sec. No. 6
R7	312	S.Y.	Pav't Struct. Sec. No. 7
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1603	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	286	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 268+65.00, 39.0' Lt. to Sta. 268+90.00, 64.0' Lt.
b	20	L.F.	Sta. 268+90.00, 74.0' Lt. to Sta. 296+10.00, 74.0' Lt.
c	39	L.F.	Sta. 269+10.00, 64.0' Lt. to Sta. 269+35.00, 39.0' Lt.
d	39	L.F.	Sta. 270+45.00, 39.0' Lt. to Sta. 270+70.00, 64.0' Lt.
e	20	L.F.	Sta. 270+70.00, 74.0' Lt. to Sta. 270+90.00, 74.0' Lt.
f	39	L.F.	Sta. 270+90.00, 64.0' Lt. to Sta. 271+15.00, 39.0' Lt.
g	39	L.F.	Sta. 273+28.00, 39.0' Lt. to Sta. 273+53.00, 64.0' Lt.
h	12	L.F.	Sta. 273+53.00, 74.0' Lt. to Sta. 273+65.00, 74.0' Lt.
i	39	L.F.	Sta. 273+65.00, 64.0' Lt. to Sta. 273+90.00, 39.0' Lt.
R13	3484	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R19	6	Each	Sidewalk Access Ramp Detail J, (Omit Detectable Warning Strip)
a	1	Each	Sta. 268+86.04, 50.50' Lt.
b	1	Each	Sta. 269+13.96, 50.50' Lt.
c	1	Each	Sta. 270+66.04, 50.50' Lt.
d	1	Each	Sta. 270+93.96, 50.50' Lt.
e	1	Each	Sta. 273+49.04, 50.50' Lt.
f	1	Each	Sta. 273+68.96, 50.50' Lt.
R24	3	Each	Property Corner Protect In Place
R30	43	L.F.	Chain Link Fence, Type 1 (60") ADOT Std. C-12.20
a	9	L.F.	Sta. 270+61 to Sta. 270+70, 75' Lt.
b	9	L.F.	Sta. 270+90 to Sta. 271+00, 75' Lt.
c	13	L.F.	Sta. 273+40 to Sta. 273+53, 75' Lt.
d	12	L.F.	Sta. 273+65 to Sta. 273+77, 75' Lt.
R35	4	Each	Reconstruct Chain Link Fence Gate
a	2	Each	Sta. 270+70 to Sta. 270+90, 75' Lt., 10' Gates
b	2	Each	Sta. 273+55 to Sta. 273+63, 75' Lt., 4' Gates

PS 23 — New Pipe Sleeve See Detail S

PAVING PLAN/PROFILE STA. 268+00 TO 276+00

40 0 40 80

No.	Revision Description	Engineer	Date

	Date
Designed	03/2014
Drawn	03/2014
Checked	03/2014
Proj. Engr.	03/2014
	ABL
	JMF
	ROB
	ROB

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

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 3-31-17
ARIZONA U.S.A.

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales: Horiz. 1"=40' Vert. 1"=4'
Sheet R6 of R18
Page 94 of 281
Print Scale: 1:40
TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C05
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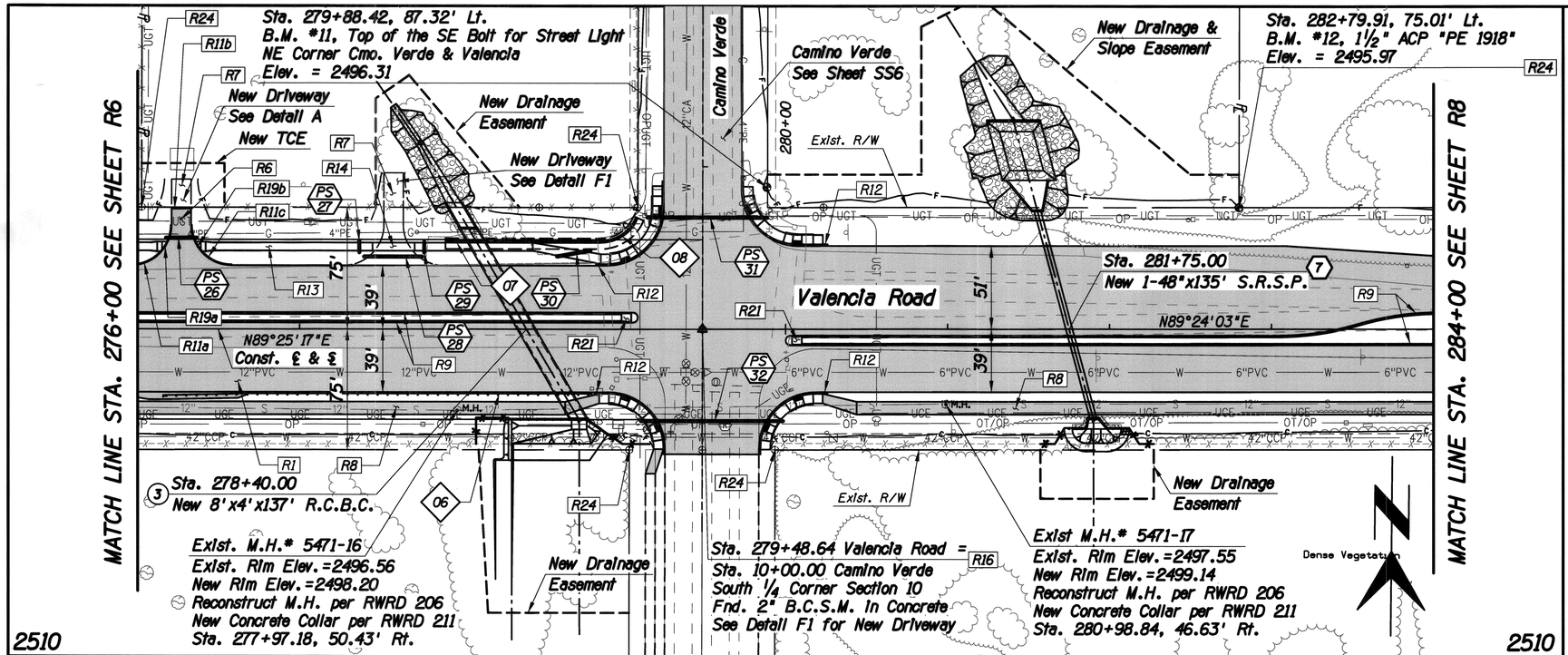

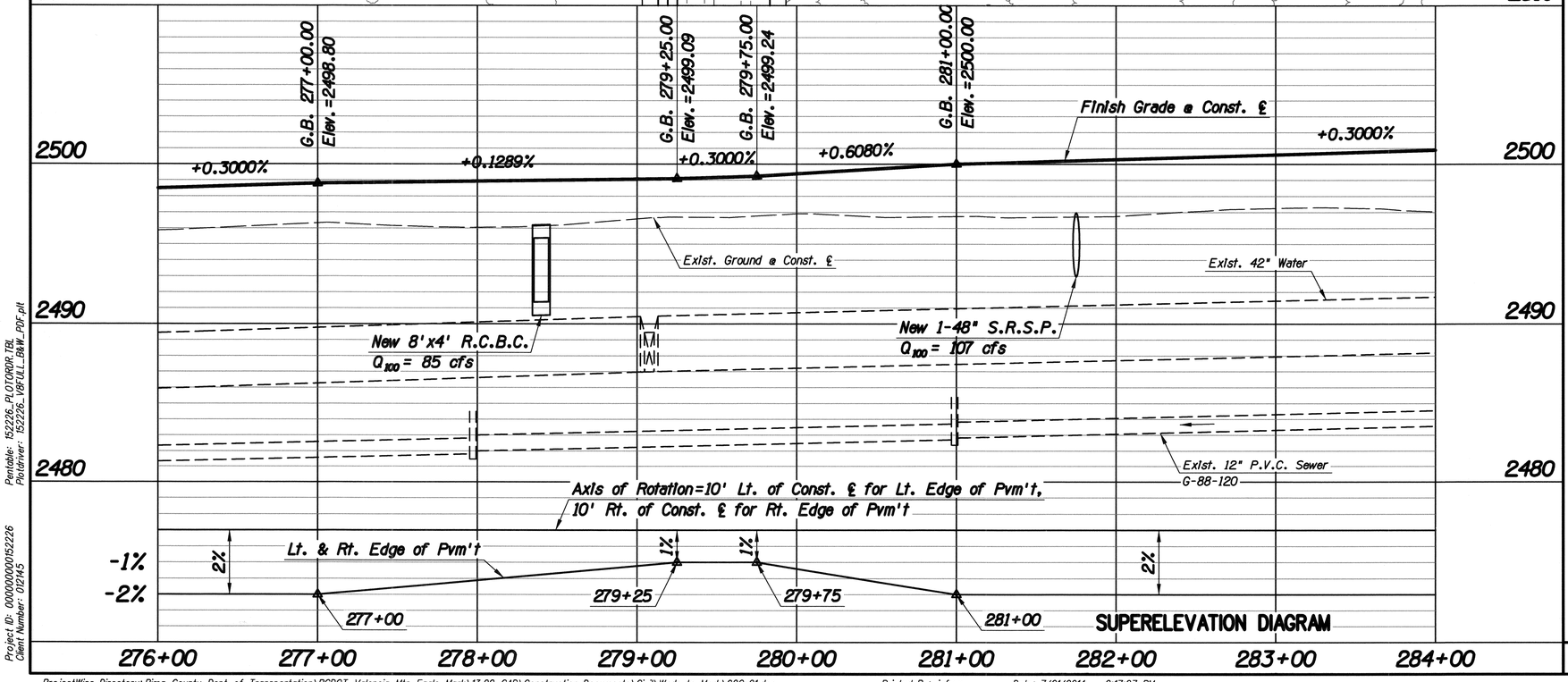

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	6959	S.Y.	Pav't Struct. Sec. No. 1
R6	76	S.Y.	Pav't Struct. Sec. No. 6
R8	584	S.Y.	Pav't Struct. Sec. No. 8
R7	118	S.Y.	Pav't Struct. Sec. No. 7
R9	1425	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	90	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 275+96.00, 39.0' Lt. to Sta. 276+21.00, 64.0' Lt.
b	12	L.F.	Sta. 276+21.00, 74.0' Lt. to Sta. 276+33.00, 74.0' Lt.
c	39	L.F.	Sta. 276+33.00, 64.0' Lt. to Sta. 276+58.00, 39.0' Lt.
R12	4	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	1203	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R14	130	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200 (6" Thick)
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R19	2	Each	Sidewalk Access Ramp Detail J, (Omit Detectable Warning Strip)
a	1	Each	Sta. 276+17.04, 50.50' Lt.
b	1	Each	Sta. 276+36.96, 50.50' Lt.
R21	2	Each	Median Refuge Area, Type 1 PC Std. Dtl. 207 Sheet 6 of 8
R24	5	Each	Property Corner Protect In Place

(7) New Pipe Culvert
See Summary Sheet for Qtys.

(3) New Box Culvert
See Summary Sheet for Qtys.

PS 30 New Pipe Sleeve
See Detail S

07 New Barrier
See Summary Sheet for Qtys.

PAVING PLAN/PROFILE
STA. 276+00 TO 284+00

40 0 40 80

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

No.	Revision Description	Engineer	Date

Designed	ABL	03/2014
Drawn	LMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 3-31-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 364-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales: Horiz. 1"=40' Vert. 1"=4'
Sheet R7 of R18
Page 95 of 281
Print Scale: 1:40
TRACS No. SS975 01C

Pentable: 15222R_PLOTORDR.TBL
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Project ID: 0000000015222R
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C06
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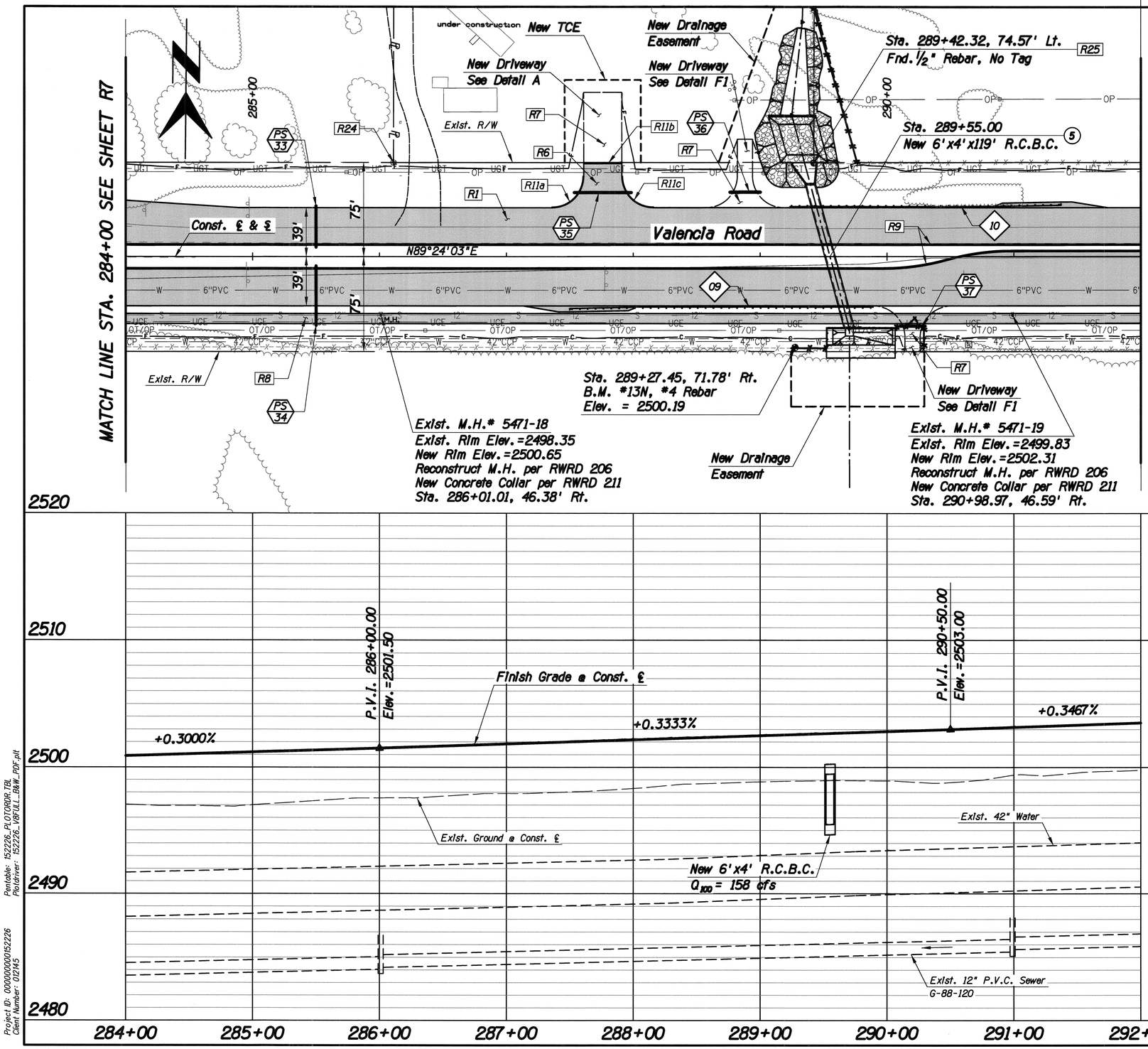

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5422	S.Y.	Pav't Struct. Sec. No. 1
R6	147	S.Y.	Pav't Struct. Sec. No. 6
R7	345	S.Y.	Pav't Struct. Sec. No. 7
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1601	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	108	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 287+36.00, 39.0' Lt. to Sta. 287+61.00, 64.0' Lt.
b	30	L.F.	Sta. 287+61.00, 74.0' Lt. to Sta. 287+91.00, 74.0' Lt.
c	39	L.F.	Sta. 287+91.00, 64.0' Lt. to Sta. 288+16.00, 39.0' Lt.
R24	1	Each	Property Corner Protect In Place
R25	1	Each	New Property Corner

(5) New Box Culvert
See Summary Sheet for Qtys.

PS 35 New Pipe Sleeve
See Detail S

10 New Barrier
See Summary Sheet for Qtys.

No.	Revision Description	Engineer	Date

Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

PAVING PLAN/PROFILE
STA. 284+00 TO 292+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R8 of R18	Page 96 of 281

Print Scale: 1:40

TRACS No. SS975 01C

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C07

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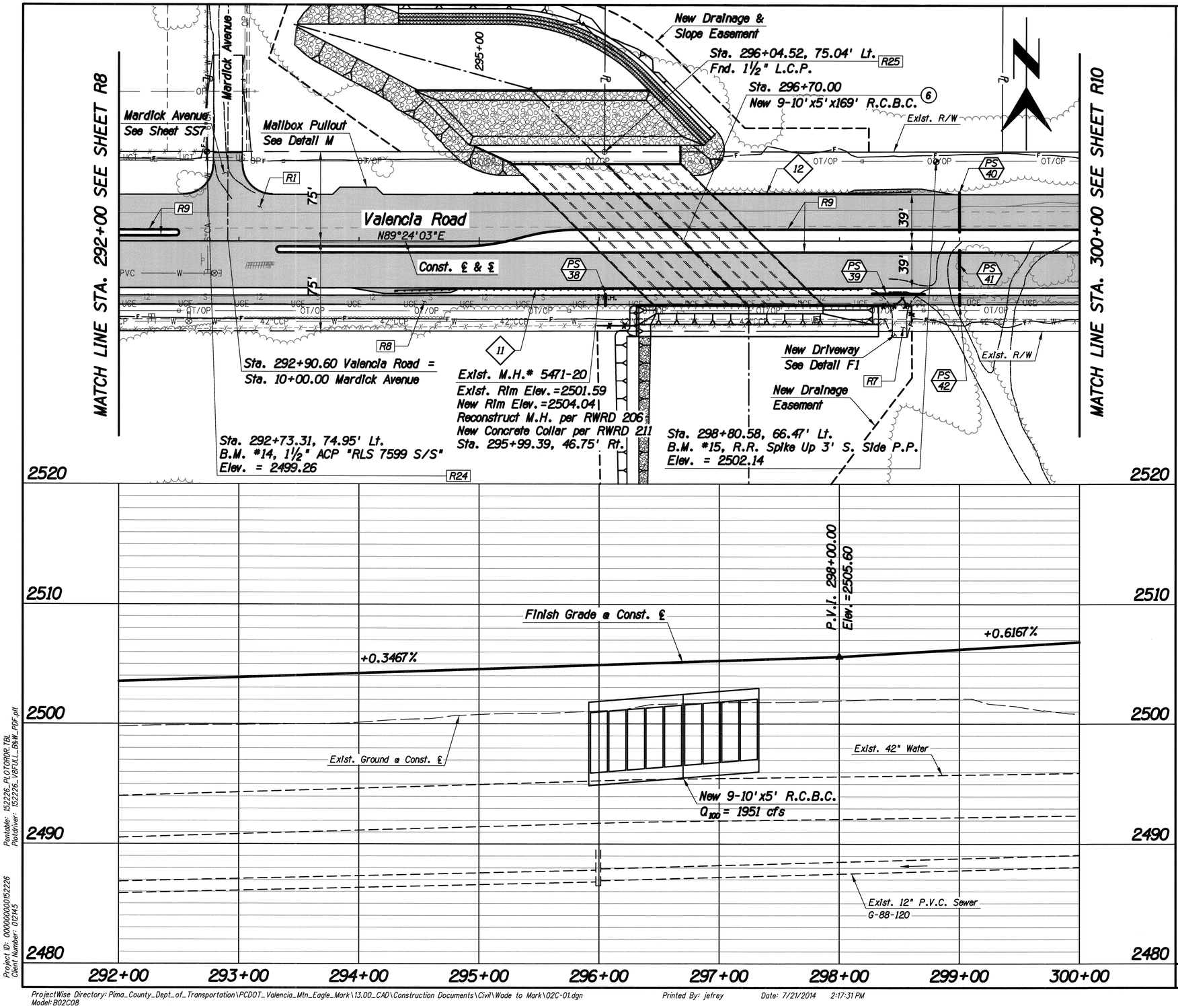
Client Number: 012145



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5753	S.Y.	Pav't Struct. Sec. No. 1
R7	65	S.Y.	Pav't Struct. Sec. No. 7
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1448	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R24	1	Each	Property Corner Protect In Place
R25	1	Each	New Property Corner

⑥ New Box Culvert
See Summary Sheet for Qtys.

PS 41 New Pipe Sleeve
See Detail S

⑫ New Barrier
See Summary Sheet for Qtys.

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

Registered Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 3-31-17
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4469
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

PAVING PLAN/PROFILE
STA. 292+00 TO 300+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R9 of R18	Page 97 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Project ID: 0000000000152226
Client Number: 012145

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Plotdriver:: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
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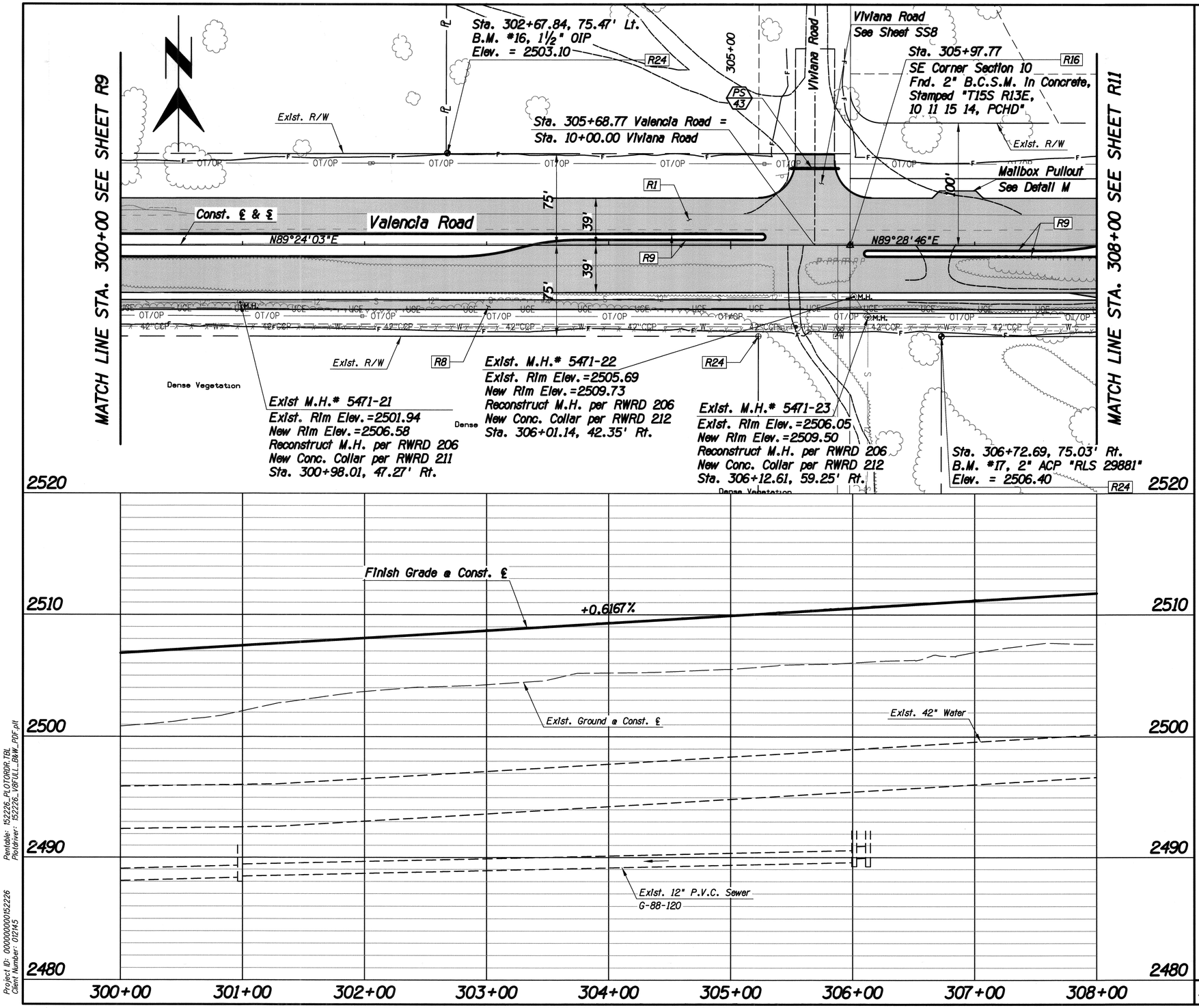

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A 0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5966	S.Y.	Pav't Struct. Sec. No. 1
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1449	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R24	3	Each	Property Corner Protect In Place

PS 43 — New Pipe Sleeve See Detail S

No.	Revision Description	Engineer	Date

	Date
Designed	03/2014
Drawn	03/2014
Checked	03/2014
Proj. Engr.	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

PAVING PLAN/PROFILE
STA. 300+00 TO 308+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet	R10 of R18	Page	98 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Project ID: 00000000152226
Client Number: 012145

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
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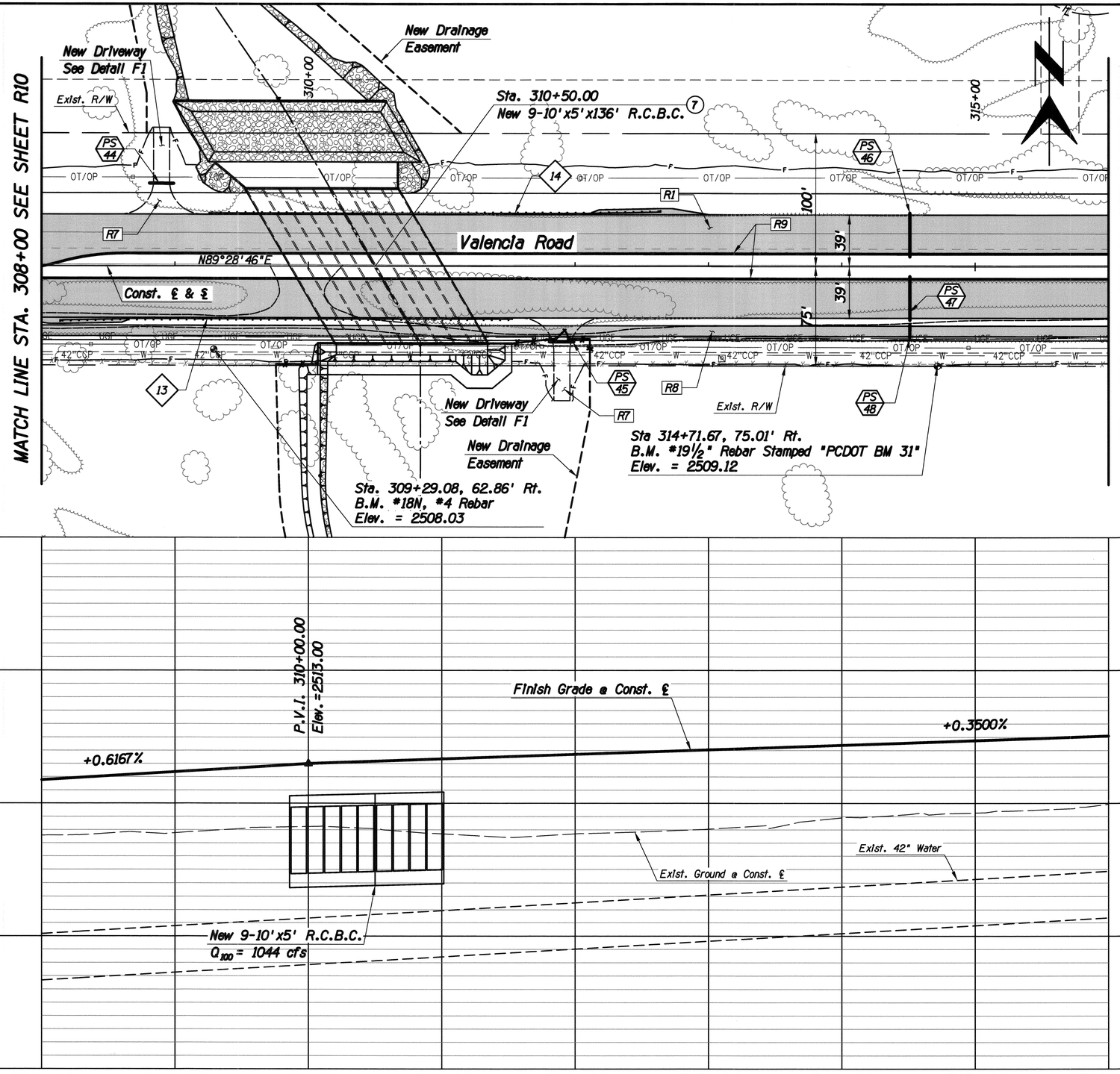

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5180	S.Y.	Pav't Struct. Sec. No. 1
R7	209	S.Y.	Pav't Struct. Sec. No. 7
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1601	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"

(7) New Box Culvert
See Summary Sheet for Qtys.

PS 46 New Pipe Sleeve
See Detail S

14 New Barrier
See Summary Sheet for Qtys.

PAVING PLAN/PROFILE
STA. 308+00 TO 316+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R11 of R18	Page 99 of 281

Print Scale: 1:40

TRACS No. SS975 01C

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

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-17

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8TULL_BW_PDF.plt
Project ID: 0000000052226
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C10
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F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5966	S.Y.	Pav't Struct. Sec. No. 1
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1450	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"

MATCH LINE STA. 316+00 SEE SHEET R11

MATCH LINE STA. 324+00 SEE SHEET R13

Exist. R/W

320+00

℄

R1

R9

Const. ℄ & ℄

Valencia Road

N89°28'46"E

100'

75'

39'

39'

OT/OP

42"CCP

UGE

R8

Exist. R/W

Sta. 319+86.93, 70.92' Rt.
B.M. #20N, #4 Rebar
Elev. = 2512.74

2530

2520

2510

2500

2490

P.V.I. 320+00.00
Elev.=2516.50

Finish Grade @ Const. ℄

+0.3500%

+0.6818%

Exist. 42" Water

Exist. Ground @ Const. ℄

316+00 317+00 318+00 319+00 320+00 321+00 322+00 323+00 324+00

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

PAVING PLAN/PROFILE
STA. 316+00 TO 324+00

40 0 40 80

Scales	Horiz. 1"=40'
	Vert. 1"=4'

Sheet R12 of R18

Page 100 of 281

Print Scale: 1:40

TRACS No. SS975 01C

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Plotdriver: 152226_V8FULL_R&W_PDF.pit

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Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C11

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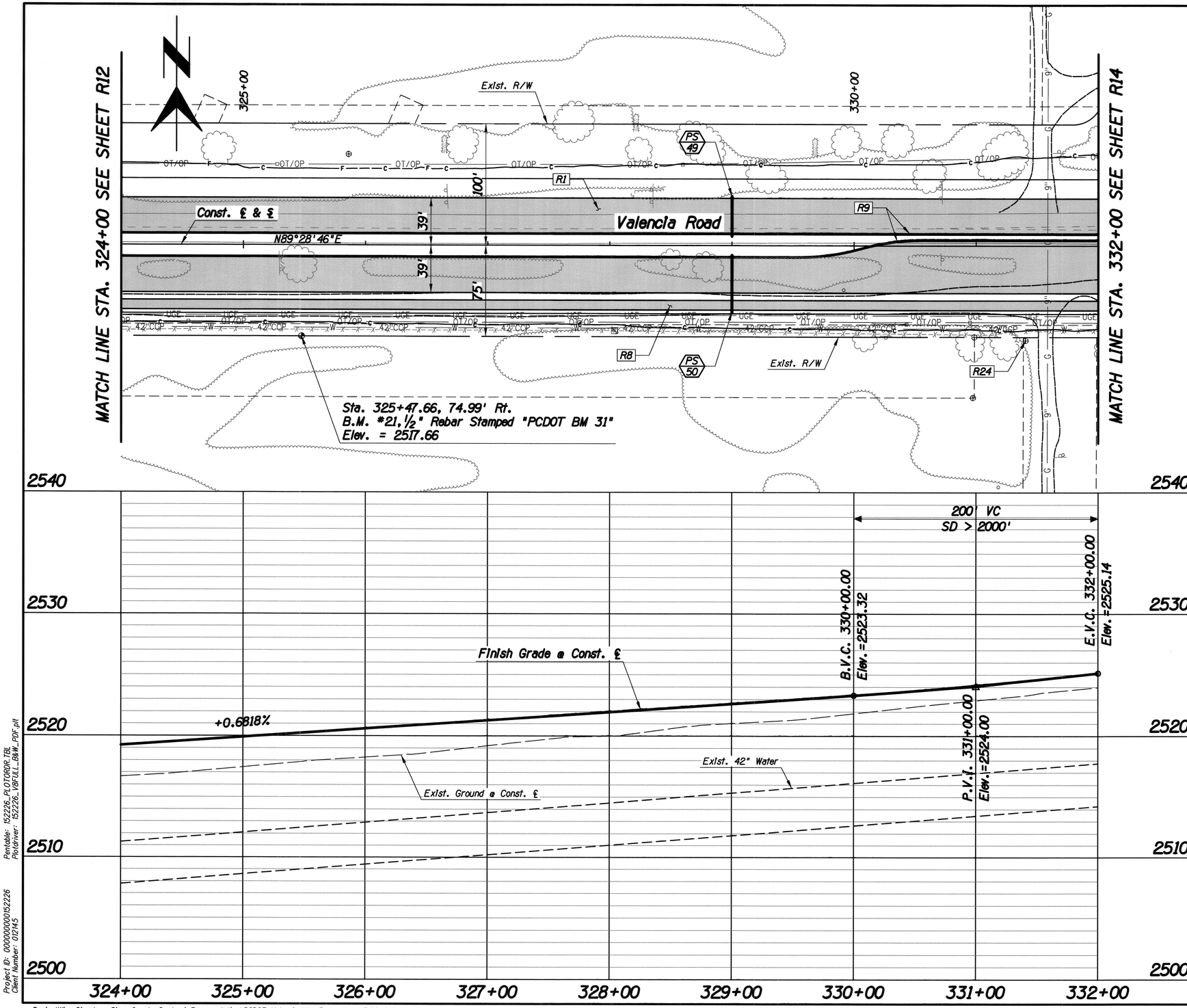

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	5458	S.Y.	Pav't Struct. Sec. No. 1
R8	711	S.Y.	Pav't Struct. Sec. No. 8
R9	1601	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R24	1	Each	Property Corner Protect In Place

PS 49 New Pipe Sleeve See Detail S

PAVING PLAN/PROFILE
STA. 324+00 TO 332+00

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-31-14 ARIZONA U.S.A.

Engineer 8-31-17

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales | Horiz. 1"=40' Vert. 1"=4' | Sheet R13 of R18 | Page 101 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C12

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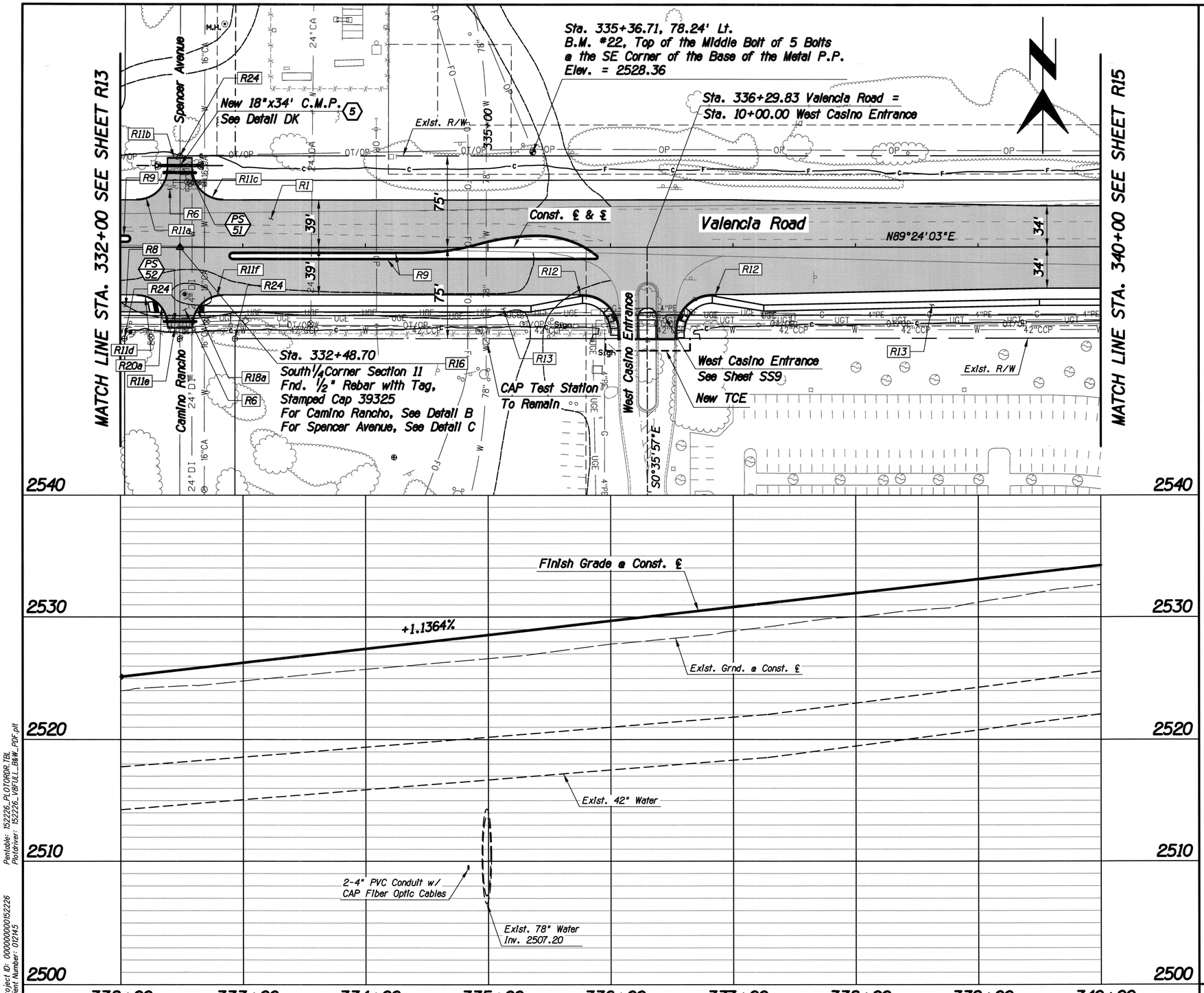
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	6410	S.Y.	Pav't Struct. Sec. No. 1
R6	195	S.Y.	Pav't Struct. Sec. No. 6
R8	21	S.Y.	Pav't Struct. Sec. No. 8
R9	634	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	196	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 332+13.59, 39.0' Lt. to Sta. 332+38.59, 64.0' Lt.
b	20	L.F.	Sta. 332+38.58, 73.0' Lt. to Sta. 332+58.68, 73.0' Lt.
c	39	L.F.	Sta. 332+58.68, 64.0' Lt. to Sta. 332+83.68, 39.0' Lt.
d	39	L.F.	Sta. 332+13.79, 39.0' Rt. to Sta. 332+38.79, 64.0' Rt.
e	20	L.F.	Sta. 332+38.79, 66.0' Rt. to Sta. 332+58.70, 66.0' Rt.
f	39	L.F.	Sta. 332+58.70, 64.0' Rt. to Sta. 332+83.70, 39.0' Rt.
R12	2	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	3176	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R18	1	Each	Sidewalk Access Ramp Detail J
a	1	Each	Sta. 332+62.66, 50.50' Rt.
R20	1	Each	Concrete Landing with Detectable Warning Strip Detail K
a	1	Each	Sta. 332+33.79, 49.00' Rt.
R24	3	Each	Property Corner Protect In Place

(5) New Pipe Culvert
See Summary Sheet for Qtys.

PS 52 New Pipe Sleeve
See Detail S

PAVING PLAN/PROFILE
STA. 332+00 TO 340+00

40 0 40 80

No.	Revision Description	Engineer	Date

	Date
Designed	03/2014
Drawn	03/2014
Checked	03/2014
Proj. Engr.	03/2014
	ABL
	JMF
	RDB
	RDB

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 7-31-14
ARIZONA U.S.A.

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-2300

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

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R14 of R18	Page 102 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C13

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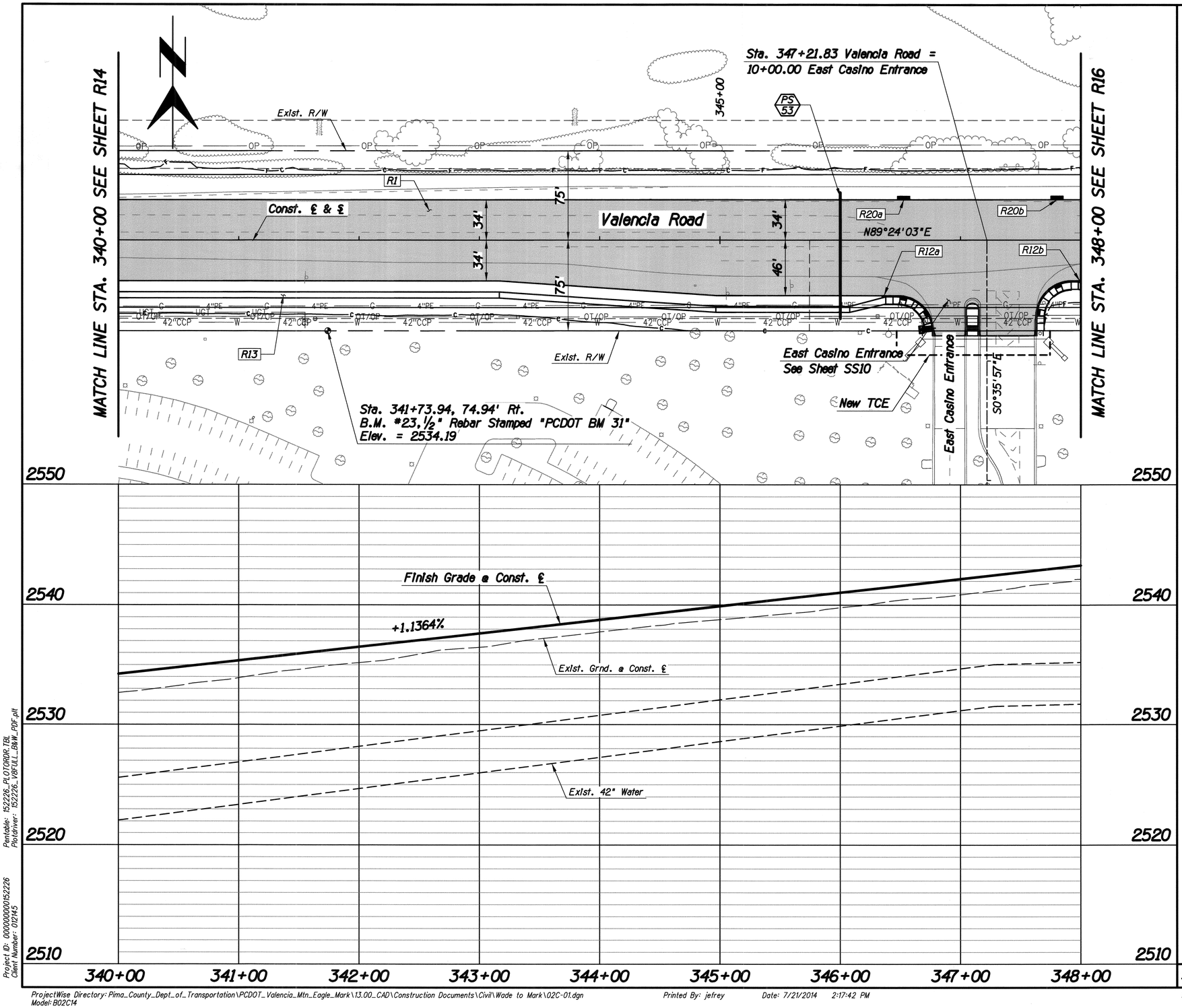

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0123(01A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	6462	S.Y.	Pav't Struct. Sec. No. 1
R12	2	Each	Curb Terminal Section PC/COT Std. Dtl. 212
a	1	Each	Sta. 346+34.79, 46.0' Rt. to Sta. 346+37.79, 46.0' Rt.
b	1	Each	Sta. 347+97.86, 34.0' Rt. to Sta. 348+00.86, 34.0' Rt.
R13	3204	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R20	2	Each	Concrete Landing with Detectable Warning Strip Detail K
a	1	Each	Sta. 346+52.76, 34.0' Lt.
b	1	Each	Sta. 347+80.22, 34.0' Lt.

PS 53 — New Pipe Sleeve
See Detail S

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 3-31-14
ARIZONA U.S.A.
Expires 3-31-15

PAVING PLAN/PROFILE
STA. 340+00 TO 348+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet	R15 of R18	Page 103 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C14

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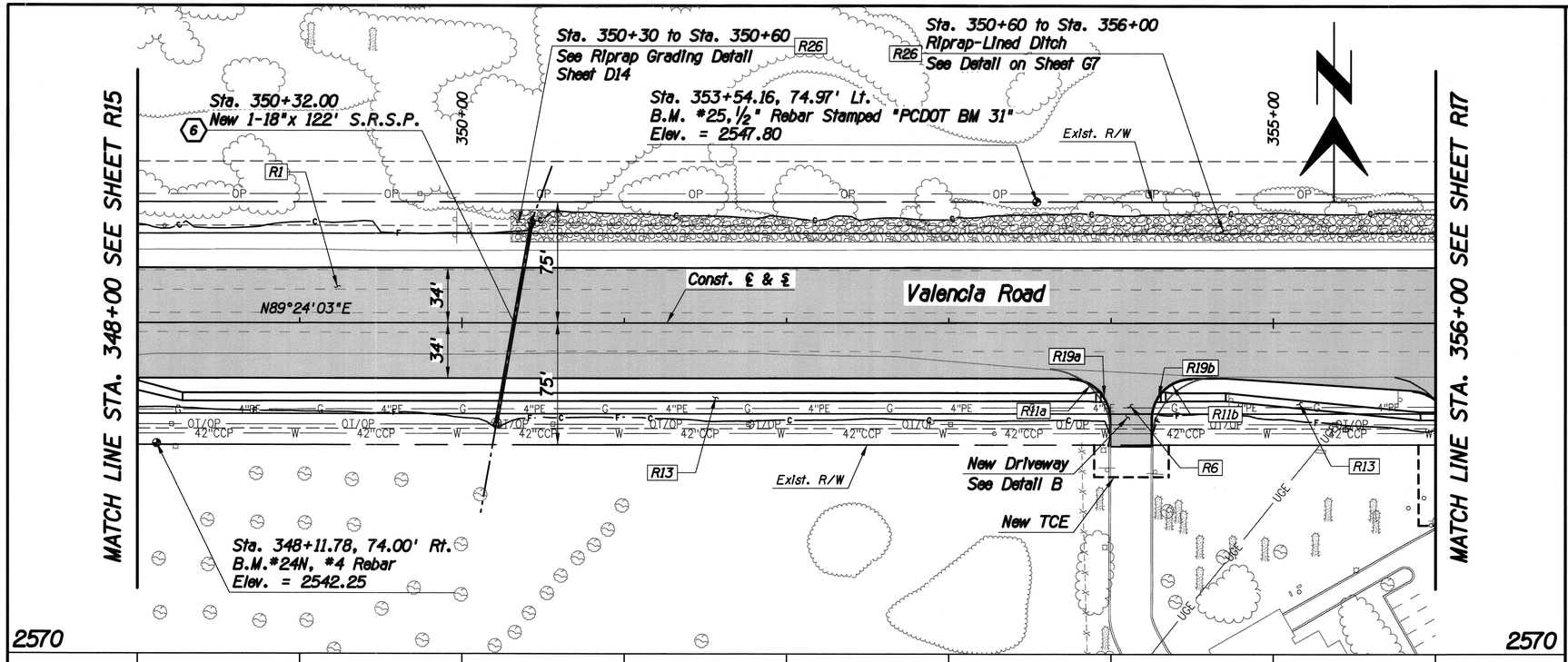

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	6106	S.Y.	Pav't Struct. Sec. No. 1
R6	147	S.Y.	Pav't Struct. Sec. No. 6
R11	105	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	52	L.F.	Sta. 353+74.60, 34' Rt. to Sta. 353+99.60, 71.6' Rt.
b	53	L.F.	Sta. 354+24.76, 72.4' Rt. to Sta. 354+49.76, 34' Rt.
R13	3797	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R19	2	Each	Sidewalk Access Ramp Detail J, (Omit Detectable Warning Strip)
a	1	Each	Sta. 353+95.75, 45.50' Rt
b	1	Each	Sta. 354+29.21, 45.50' Rt.
R26	361	C.Y.	Dumped Riprap

6 New Pipe Culvert
See Summary Sheet for Qtys.

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

PAVING PLAN/PROFILE
STA. 348+00 TO 356+00

40 0 40 80

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 344-3600

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.
7-21-14

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R16 of R18	Page 104 of 281

Print Scale: 1:40
TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_VAFULL_B&W_PDF.plt
Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C15
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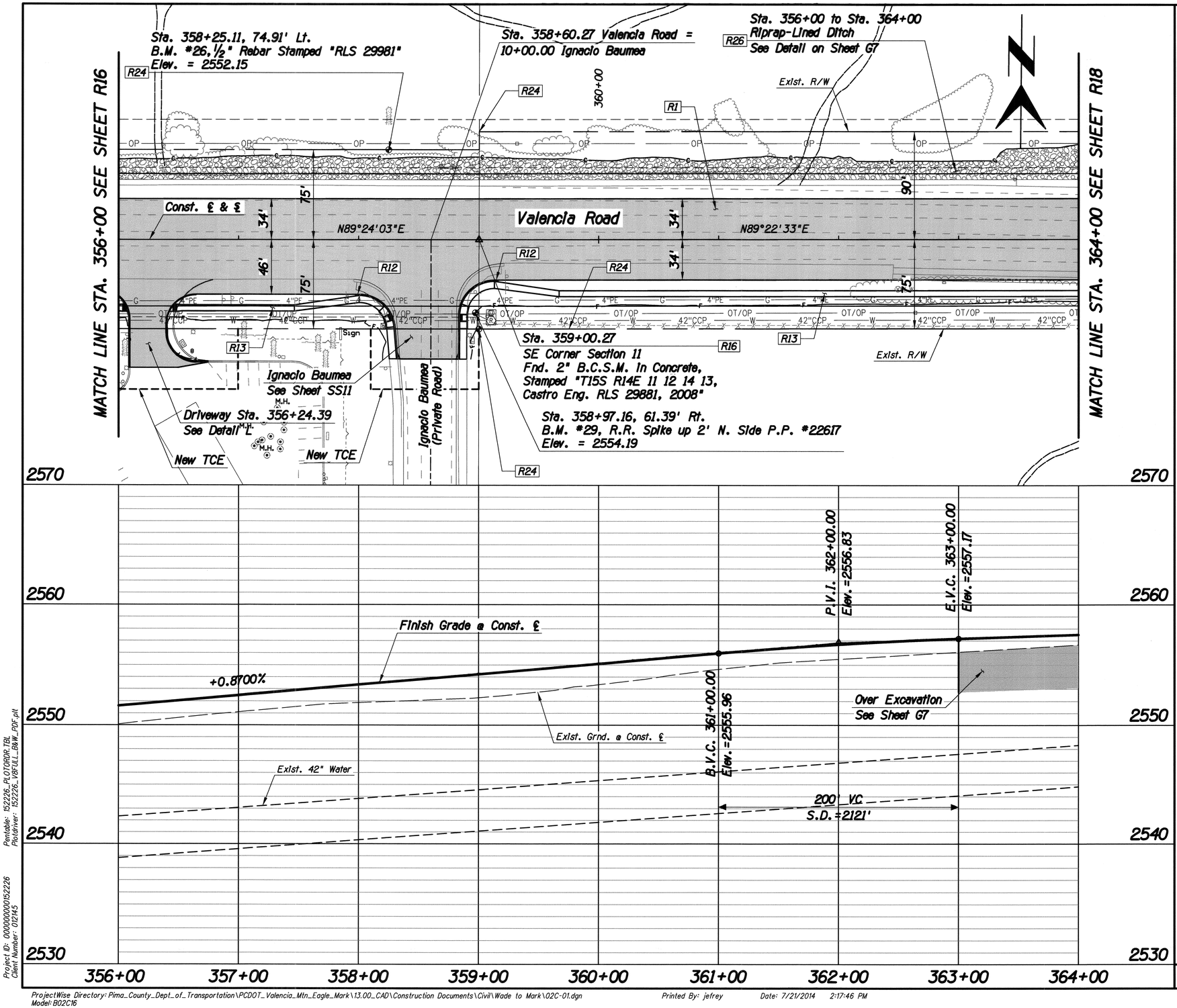

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	6374	S.Y.	Pav't Struct. Sec. No. 1
R12	2	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	3270	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R16	1	Each	Survey Monument W/Frame & Cover PC/COT Std. Dtl. 103
R24	4	Each	Property Corner Protect In Place
R26	558	C.Y.	Dumped Riprap

Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

No.	Revision Description	Engineer	Date

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-17

PAVING PLAN/PROFILE
STA. 356+00 TO 364+00

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet R17 of R18	Page 105 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8"ULL_B&W_PDF.plt

Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C16

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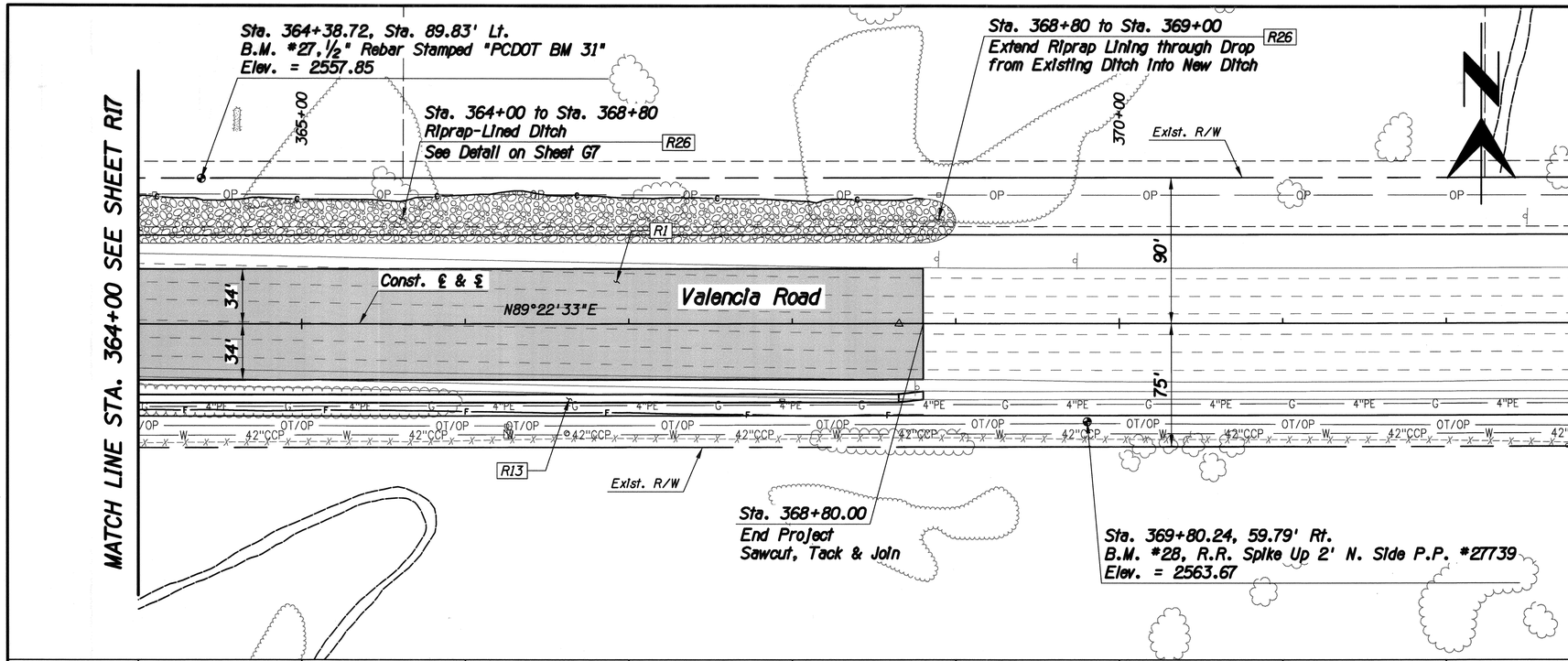

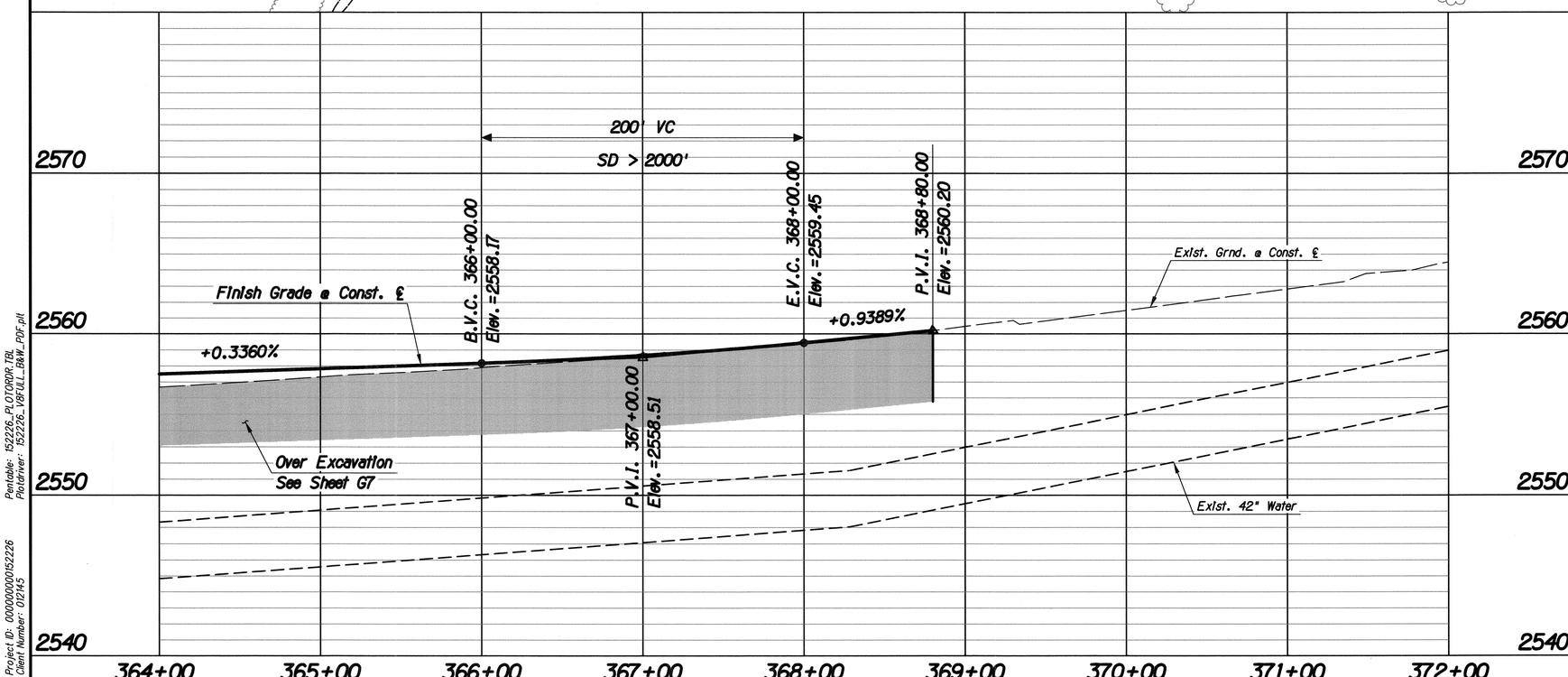

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R1	3627	S.Y.	Pav't Struct. Sec. No. 1
R13	2400	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R26	524	C.Y.	Dumped Riprap

PAVING PLAN/PROFILE
STA. 364+00 TO 368+80

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil)
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.
Expires 3-31-17

Pima County Department of Transportation

HDR
HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales | Horiz. 1"=40' Vert. 1"=4' | Sheet R18 of R18 | Page 106 of 281

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-01.dgn
Model: B02C17
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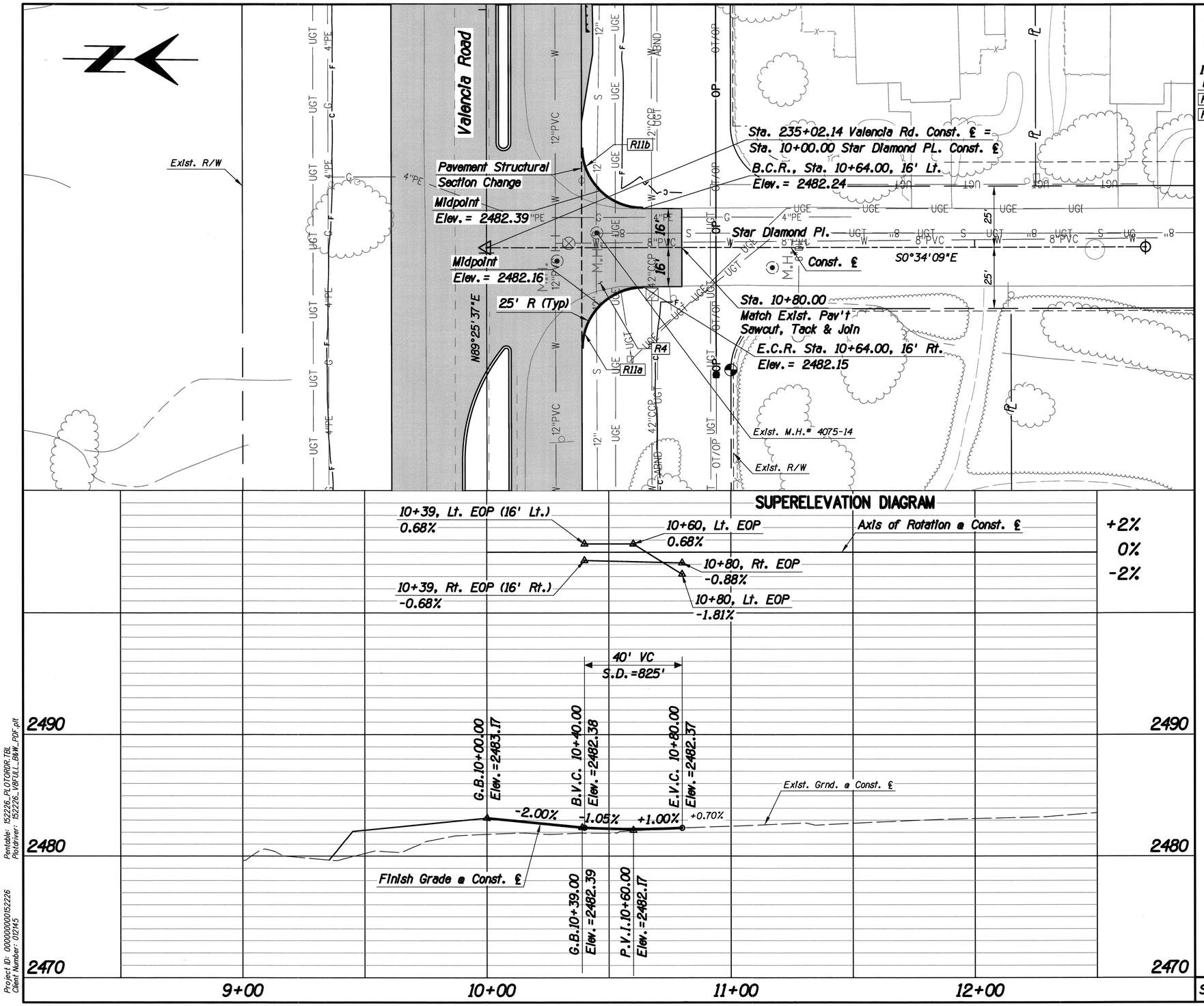
Print Scale: 1:40



F.A.H.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R4	176	S.Y.	Pav't Struct. Sec. No. 4
R11	78	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 10+39.00, 41.0' Rt. to Sta. 10+64.00, 16.0' Rt.
b	39	L.F.	Sta. 10+39.00, 41.0' Lt. to Sta. 10+64.00, 16.0' Lt.

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

No.	Revision Description	Engineer	Date

			Date
Designed	KAM	JMF	03/2014
Drawn	KAM	RDB	03/2014
Checked	RDB	RDB	03/2014
Proj. Engr.	RDB		03/2014

Registered Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 564-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

STAR DIAMOND PLACE
SIDE STREET PLAN/PROFILE

20 0 20 40

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet SS1 of SS10	Page 107 of 281

TRACS No. SS975 01C

Project ID: 0000000000152226
Client Number: 01245
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XUL_D&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C100
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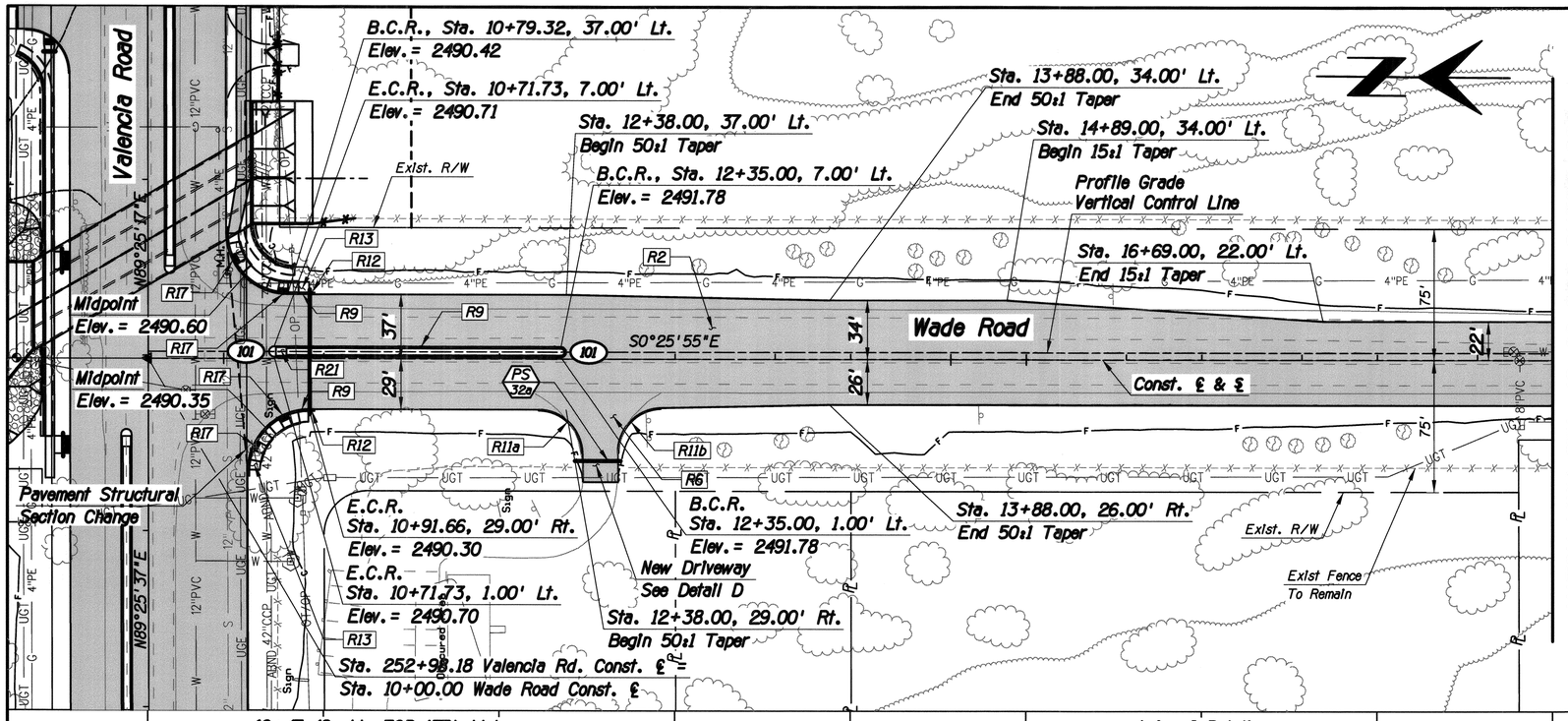
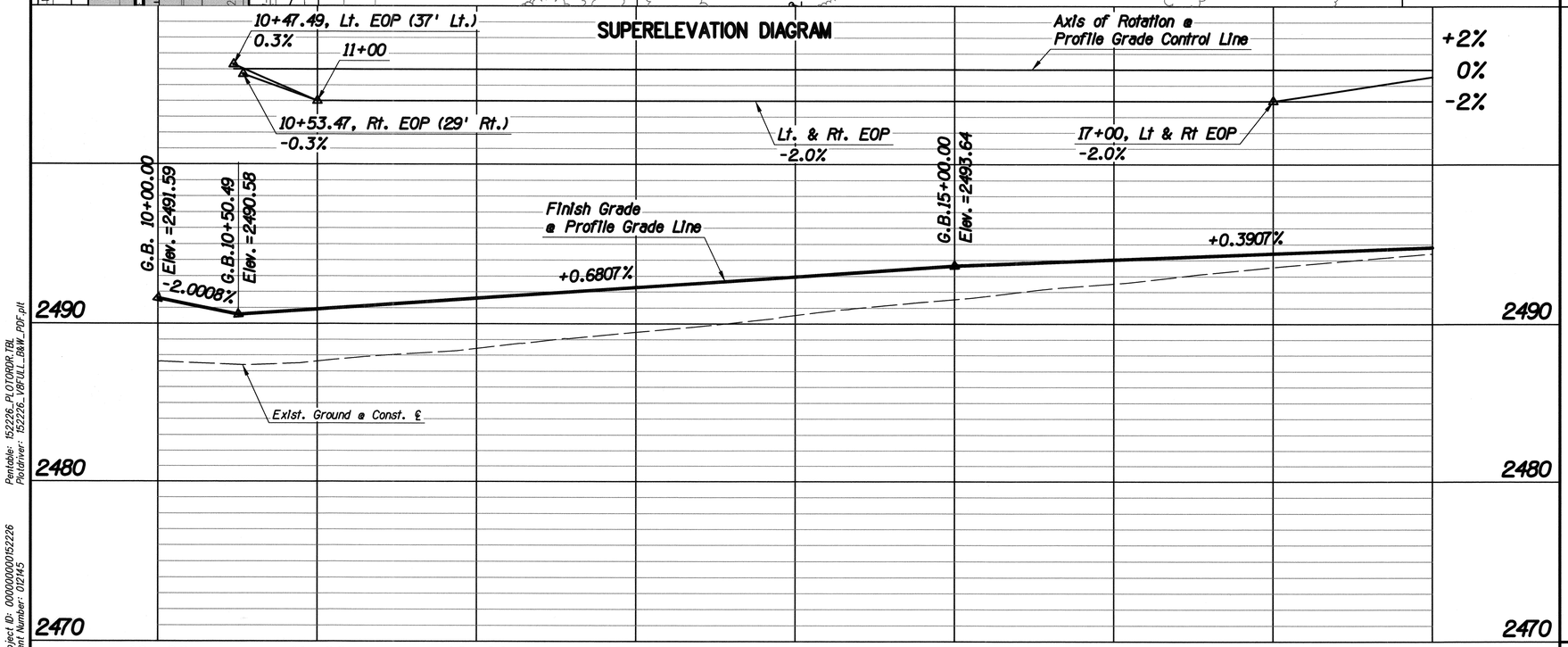




F.A.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R2	4823	S.Y.	Pav't Struct. Sec. No. 2
R6	122	S.Y.	Pav't Struct. Sec. No. 6
R9	468	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	78	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 12+22.35, 29.0' Rt. to Sta. 12+47.35, 53.5' Rt.
b	39	L.F.	Sta. 12+67.35, 53.4' Rt. to Sta. 12+91.84, 27.9' Rt.
R12	2	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	242	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R17	4	Each	Curb Access Ramp PC Std. Dtl. 207, Type 1 See Detail R
R21	1	Each	Median Refuge Area, Type 1 PC Std. Dtl. 207 Sheet 6 of 8

PS 32a — New Pipe Sleeve See Detail S

CURVE DATA

NO.	R	Δ	L	T
101	3.00'	180°00'00"	9.42'	N/A

No.	Revision Description	Engineer	Date

Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 3-31-14 ARIZONA U.S.A. Expires 3-31-17

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

WADE ROAD
SHEET 1 OF 2
SIDE STREET PLAN/PROFILE

40 0 40 80

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SS2 of SS10	Page 108 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 0000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C101

Printed By: jefrey Date: 7/21/2014 2:18:00 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R2	353	S.Y.	Pav't Struct. Sec. No. 2

MATCH LINE STA. 18+00 SEE SHEET SS2

Sta. 18+66.00
Match Exist. Pav't
Sawcut, Tack & Join

Exist. R/W

Profile Grade
Vert. Control Line

Exist. Pipes & Guardrail
To Remain

R2

12"

22'

26'

75'

45'

S0°25'55"E

Wade Road

Const. ℄ & ℄

Exist. R/W

Valley Crest Pl.

Axis of Rotation @
Profile Grade Control Line

18+66 Lt. EOP
0.6%

18+66, Rt. EOP
-2.0%

SUPERELEVATION DIAGRAM

+2%
0%
-2%

G.B.18+66.00
Elev.=2495.07

+0.3907%

+0.84%

Exist. Ground @ Const. ℄

Finish Grade
@ Profile Grade Line

Exist. 5-48" Pipe Culverts

2500
2490
2480

18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 0000000000152226
Client Number: 012145

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

No.	Revision Description	Engineer	Date

	KAM	KAM, JWF	RDB	RDB
Designed				
Drawn				
Checked				
Proj. Engr.				
Date	03/2014	03/2014	03/2014	03/2014

Registered Professional Engineer (Civil)
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

WADE ROAD
SHEET 2 OF 2
SIDE STREET PLAN/PROFILE

40 0 40 80

Scales	Horiz. 1"=40'	Sheet SS3 of SS10	Page 109 of 281
	Vert. 1"=4'		

Print Scale: 1:40

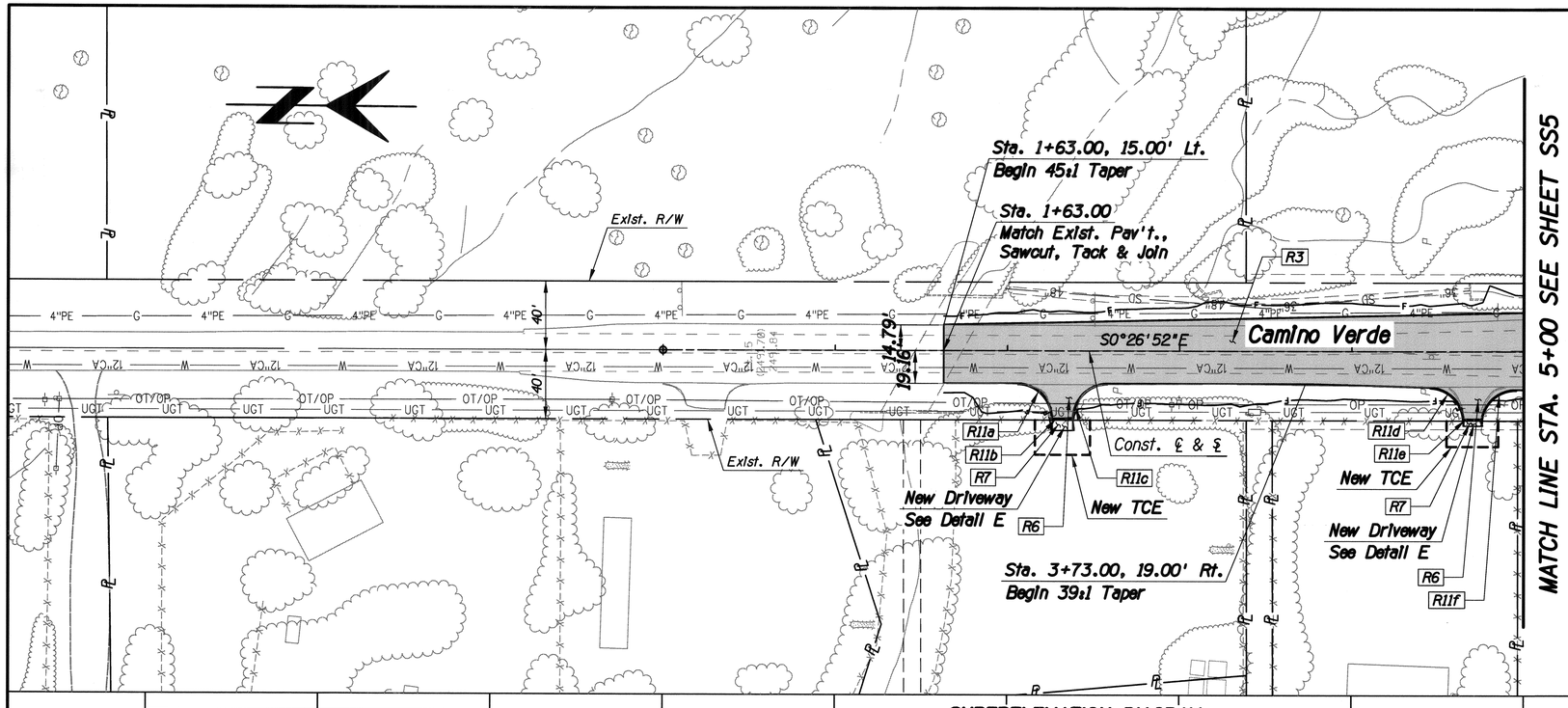
TRACS No. SS975 01C

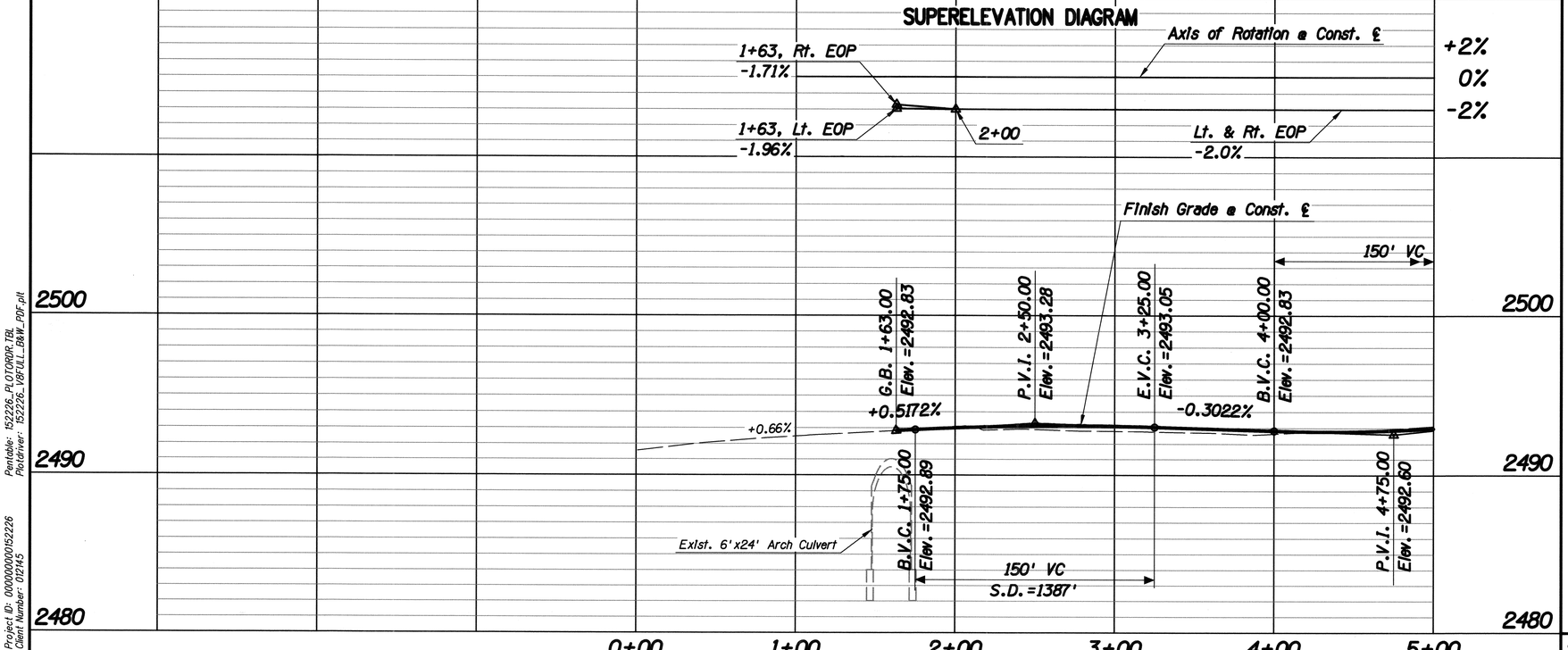
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C101b

Printed By: jefrey Date: 7/21/2014 2:18:02 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM S5975 01C			

Item No.	Qty.	Unit	Description
R3	1436	S.Y.	Pav't Struct. Sec. No. 3
R6	84	S.Y.	Pav't Struct. Sec. No. 6
R7	13	S.Y.	Pav't Struct. Sec. No. 7
R11	143	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	31	L.F.	Sta. 2+06.00, 19.0' Rt. to Sta. 2+26.00, 39.0' Rt.
b	12	L.F.	Sta. 2+26.00, 39.0' Rt. to Sta. 2+38.00, 39.0' Rt.
c	31	L.F.	Sta. 2+38.00, 39.0' Rt. to Sta. 2+58.00, 19.0' Rt.
d	30	L.F.	Sta. 4+45.51, 20.9' Rt. to Sta. 4+64.95, 39.5' Rt.
e	10	L.F.	Sta. 4+64.91, 39.0' Rt. to Sta. 4+75.25, 39.0' Rt.
f	29	L.F.	Sta. 4+75.17, 39.5' Rt. to Sta. 4+95.51, 22.1' Rt.





CAMINO VERDE
SHEET 1 OF 2
SIDE STREET PLAN/PROFILE

40 0 40 80

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 3-21-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4489
(520) 584-3900

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C102
Printed By: jefrey Date: 7/21/2014 2:18:05 PM

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SS4 of SS10	Page 110 of 281

Print Scale: 1:40

TRACS No. SS975 01C

MATCH LINE STA. 5+00 SEE SHEET SS4

Valencia Road

N89°24'03"E

N89°25'17"E

Camino Verde

S0°26'52"E

S0°25'14"E

Exist. M.H.* 5471-17

Exist. M.H.* 5471-16

B.C.R., Sta. 9+13.84, 24' Lt.
Elev. = 2497.75

Sta. 5+68.00, 24.00' Lt.
End 45:1 Taper

Exist. R/W

Const. ℄ & ℄

Midpoint
Elev. =2498.33

Midpoint
Elev. =2498.43

Pavement Structural
Section Change

Sta. 279+48.64 Valencia Rd. Const. ℄ =
Sta. 10+00.00 Camino Verde Const. ℄

E.C.R. Sta. 10+73.78, 35' Lt.
Elev. = 2498.33

Sta. 10+77.62
Match Exist. Pav't.,
Sawcut, Tack & Join

Sta. 10+89.62, 29' Rt.
Multi-Use Path Angle Point
Match Exist. Multi-Use Path
Sawcut, Tack & Join

Sta. 10+74.62, 24' Rt.
Begin Multi-Use Path

E.C.R. Sta. 10+74.16, 23' Rt.
Elev. = 2497.88

E.C.R., Sta. 9+26.14, 24' Rt.
Elev. = 2497.93

New TCE

New TCE

New Driveway
See Detail E

New Driveway
See Detail E

Sta. 5+68.00, 24.00' Rt.
End 39:1 Taper

24'

40'

12"CA

6"PVC

12"PVC

R3 R6 R7 R8 R9 R11a R11b R11c R11d R11e R11f R12 R13 R17

SUPERELEVATION DIAGRAM

+2%
0%
-2%

Axis of Rotation @ Const. ℄

Lt. & Rt. EOP
-2.0%

9+13, Lt. EOP
-0.1%

9+52.50, Lt. EOP (24' Lt.)
0.3%

9+57.50, Rt. EOP (24' Rt.)
-0.3%

8+50

150' VC

E.V.C. 5+50.00
Elev. =2493.40

B.V.C. 7+75.00
Elev. =2495.80

E.V.C. 9+25.00
Elev. =2498.11

G.B. 9+55.00
Elev. =2498.71

G.B. 10+00.00
Elev. =2499.16

G.B. 10+39.00
Elev. =2498.77

P.V.I. 8+50.00
Elev. =2496.60

G.B. 10+77.62
Elev. =2498.01

+1.0667%

+2.0095%

+1.0000%

-1.0000%

-1.9679%

Exist. Ground @ Const. ℄

Finish Grade @ Const. ℄

2500
2490
2480

5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM S5975 01C			

Item No.	Qty.	Unit	Description
R3	2780	S.Y.	Pav't Struct. Sec. No. 3
R6	78	S.Y.	Pav't Struct. Sec. No. 6
R7	26	S.Y.	Pav't Struct. Sec. No. 7
R8	10	S.Y.	Pav't Struct. Sec. No. 8
R9	269	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R11	134	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	27	L.F.	Sta. 5+45.51, 23.4' Rt. to Sta. 5+64.61, 39.5' Rt.
b	13	L.F.	Sta. 5+64.50, 39.0' Rt. to Sta. 5+77.64, 39.0' Rt.
c	27	L.F.	Sta. 5+77.51, 39.5' Rt. to Sta. 5+97.00, 24.0' Rt.
d	27	L.F.	Sta. 6+91.03, 24.0' Rt. to Sta. 7+10.51, 39.5' Rt.
e	13	L.F.	Sta. 7+10.39, 39.0' Rt. to Sta. 7+23.66, 39.0' Rt.
f	27	L.F.	Sta. 7+23.54, 39.5' Rt. to Sta. 7+43.03, 24.0' Rt.
R12	4	Each	Curb Terminal Section PC/COT Std. Dtl. 212
R13	298	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R17	8	Each	Curb Access Ramp PC Std. Dtl. 207, Type 1 See Detail R

No.	Revision Description	Engineer	Date

Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 1-31-14
ARIZONA U.S.A.
Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

CAMINO VERDE
SHEET 2 OF 2
SIDE STREET PLAN/PROFILE

40 0 40 80

Scales	Horiz. 1"=40'
	Vert. 1"=4'

Sheet SS5 of SS10

Page 111 of 281

TRACS No. SS975 01C

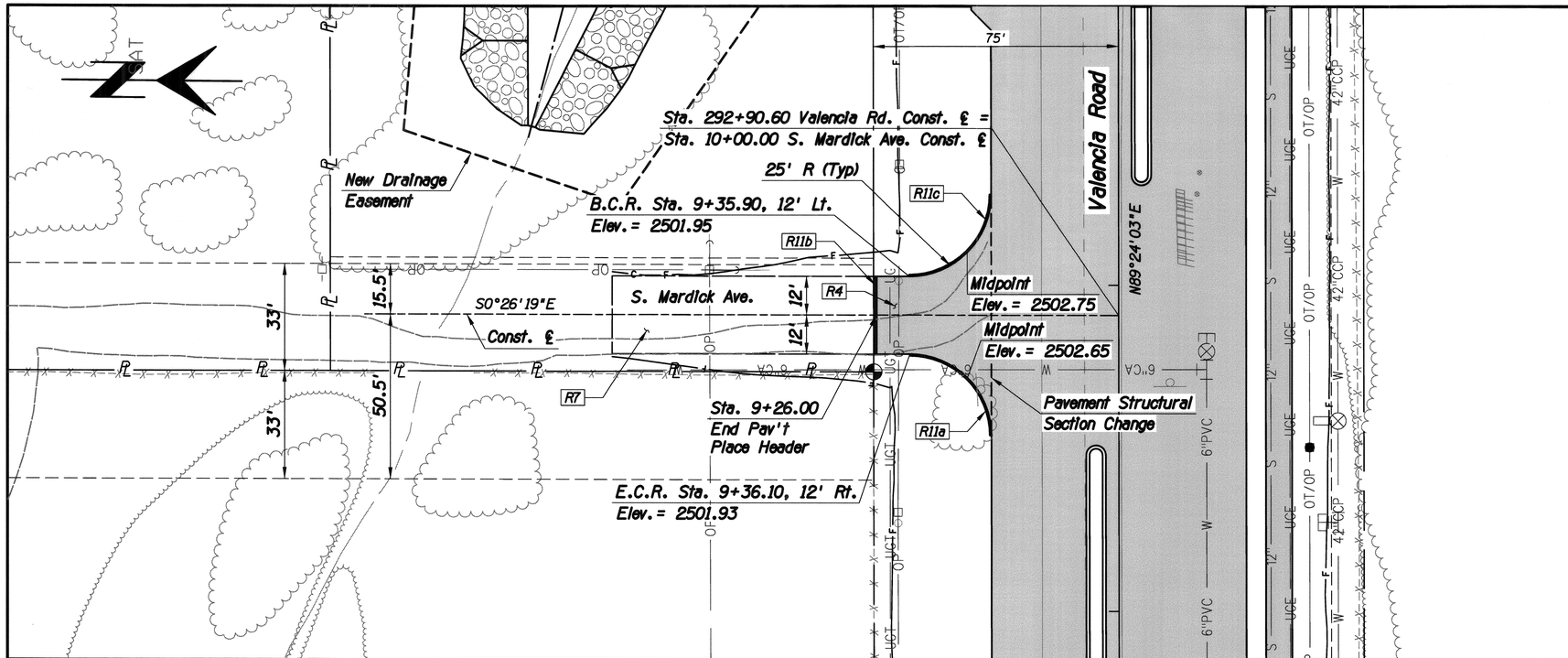
Print Scale: 1:40

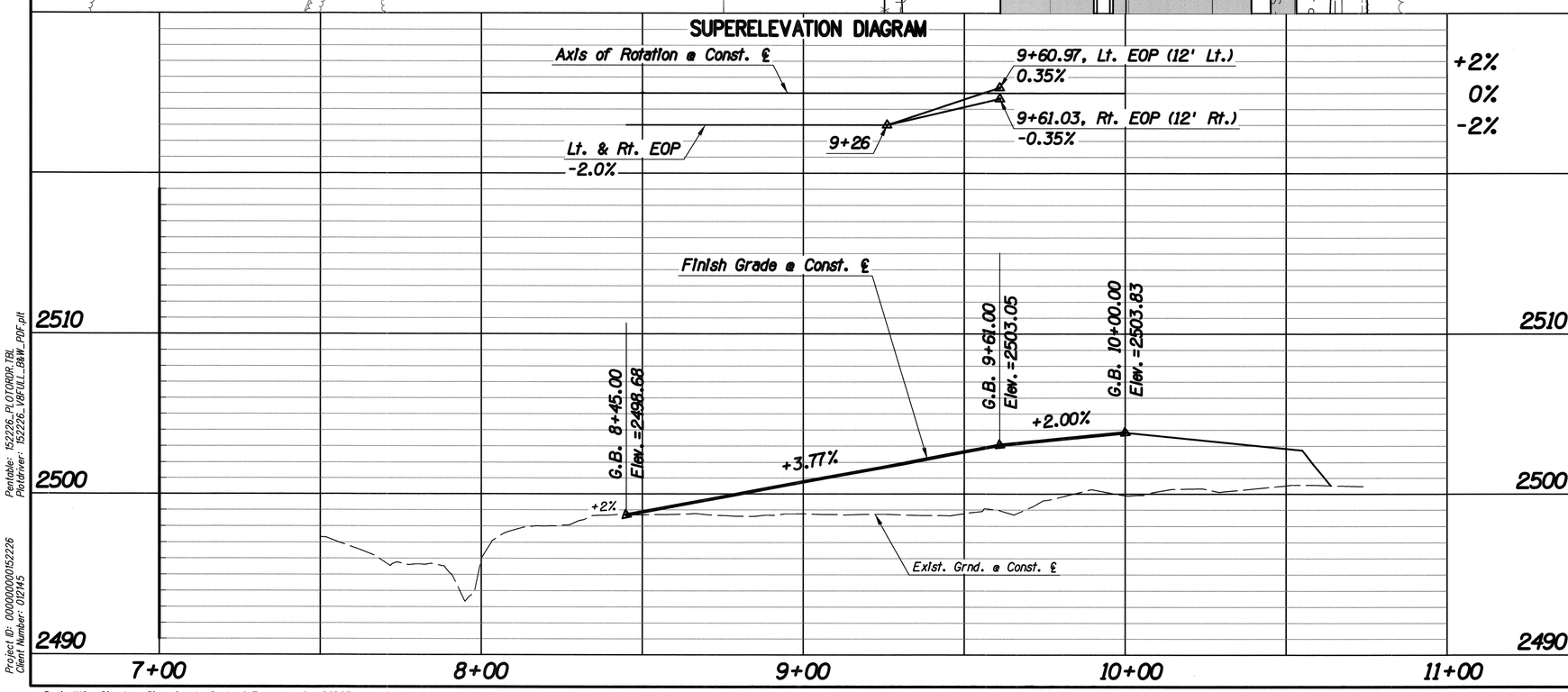
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XILL_BW_PDF.plt

Project ID: 0000000000152226
Client Number: 01245

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C102b

Printed By: jefrey Date: 7/21/2014 2:18:06 PM





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-012301A			

0000 PM PPM SS975 01C

Item No.	Qty.	Unit	Description
R4	122	S.Y.	Pav't Struct. Sec. No. 4
R7	216	S.Y.	Pav't Struct. Sec. No. 7
R11	102	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	39	L.F.	Sta. 9+36.10, 12.0' Rt. to Sta. 9+61.10, 36.9' Rt.
b	24	L.F.	Sta. 9+26.00, 12.0' Lt. to Sta. 9+26.00, 12.0' Rt.
c	39	L.F.	Sta. 9+35.90, 12.0' Lt. to Sta. 9+60.90, 37.1' Lt.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A.
Expires 3-31-17

Pima County Department of Transportation

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

MARDICK AVENUE
SIDE STREET PLAN/PROFILE

20 0 20 40

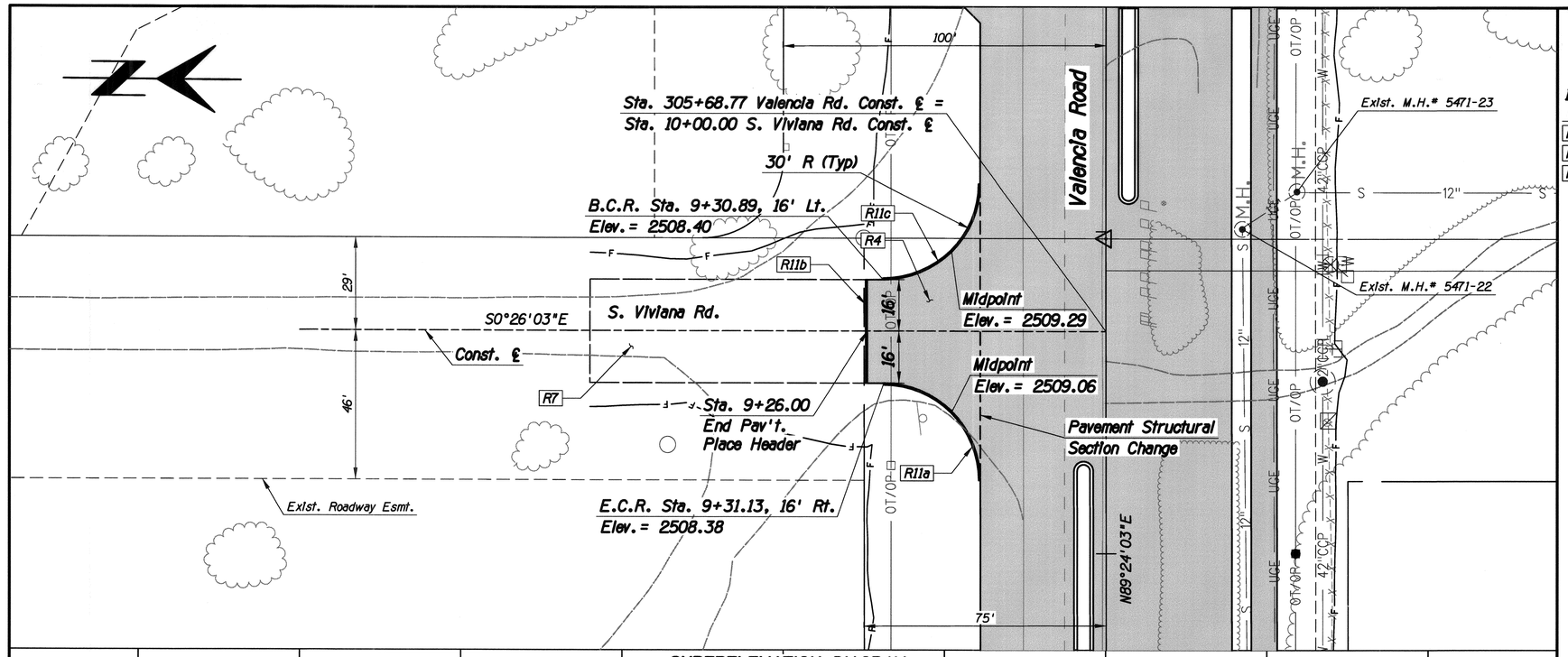
Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet SS6 of SS10	Page 112 of 281

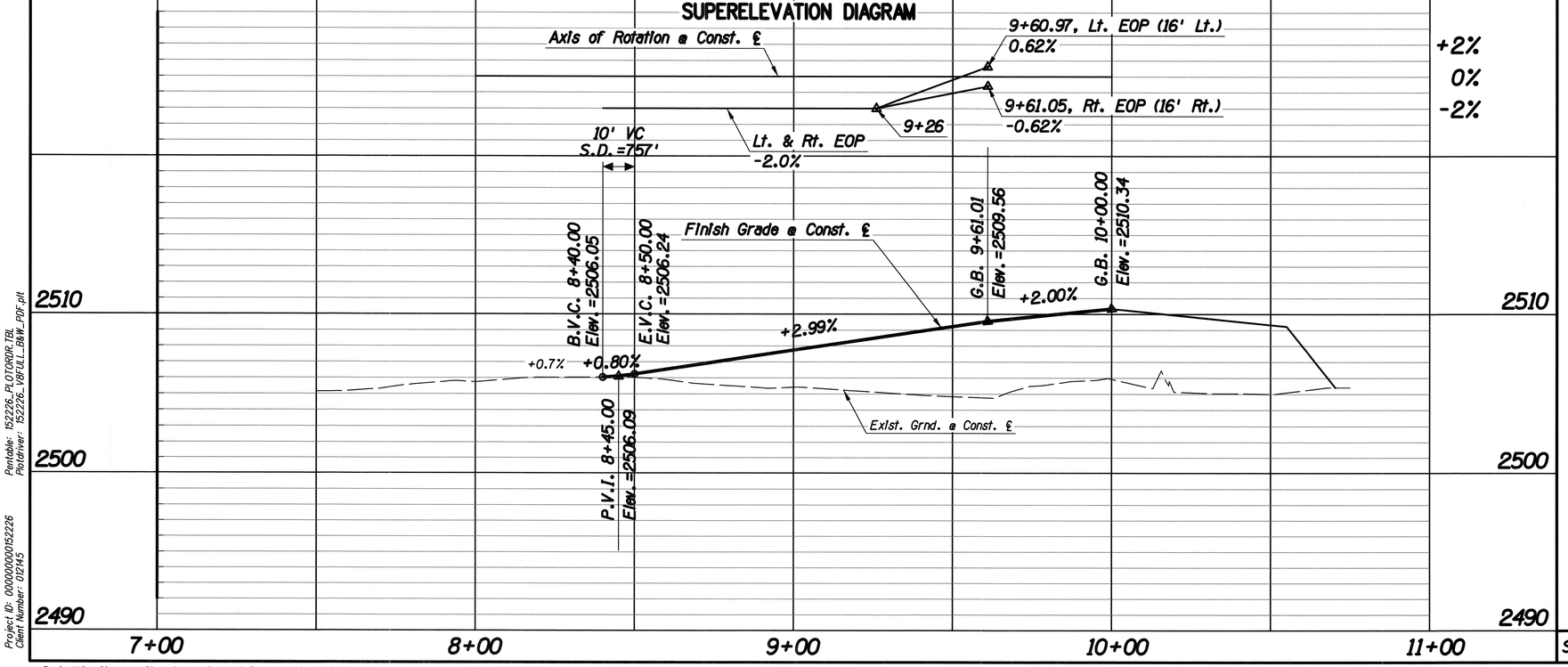
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C106
Printed By: jefrey Date: 7/21/2014 2:18:08 PM
Print Scale: 1:20
TRACS No. SS975 01C

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R4	166	S.Y.	Pav't Struct. Sec. No. 4
R7	306	S.Y.	Pav't Struct. Sec. No. 7
R11	126	L.F.	Concrete Header PC/COT Std. Dtl. 213
a	47	L.F.	Sta. 9+31.13, 16.0' Rt. to Sta. 9+61.13, 45.9' Rt.
b	32	L.F.	Sta. 9+26.00, 16.0' Rt. to Sta. 9+26.00, 16.0' Lt.
c	47	L.F.	Sta. 9+30.89, 16.0' Lt. to Sta. 9+60.89, 46.1' Lt.





Date	Designed	Drawn	Checked	Proj. Engr.
03/2014	KAM	KAM	ROB	ROB
03/2014		JMF		
03/2014				
03/2014				

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.

Engineer 3-20-14

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

VIVIANA ROAD
SIDE STREET PLAN/PROFILE

20 0 20 40

Scales	Horiz. 1"=20'	Sheet SS7 of SS10	Page 113 of 281
	Vert. 1"=4'		

Print Scale: 1:20

TRACS No. SS975 01C

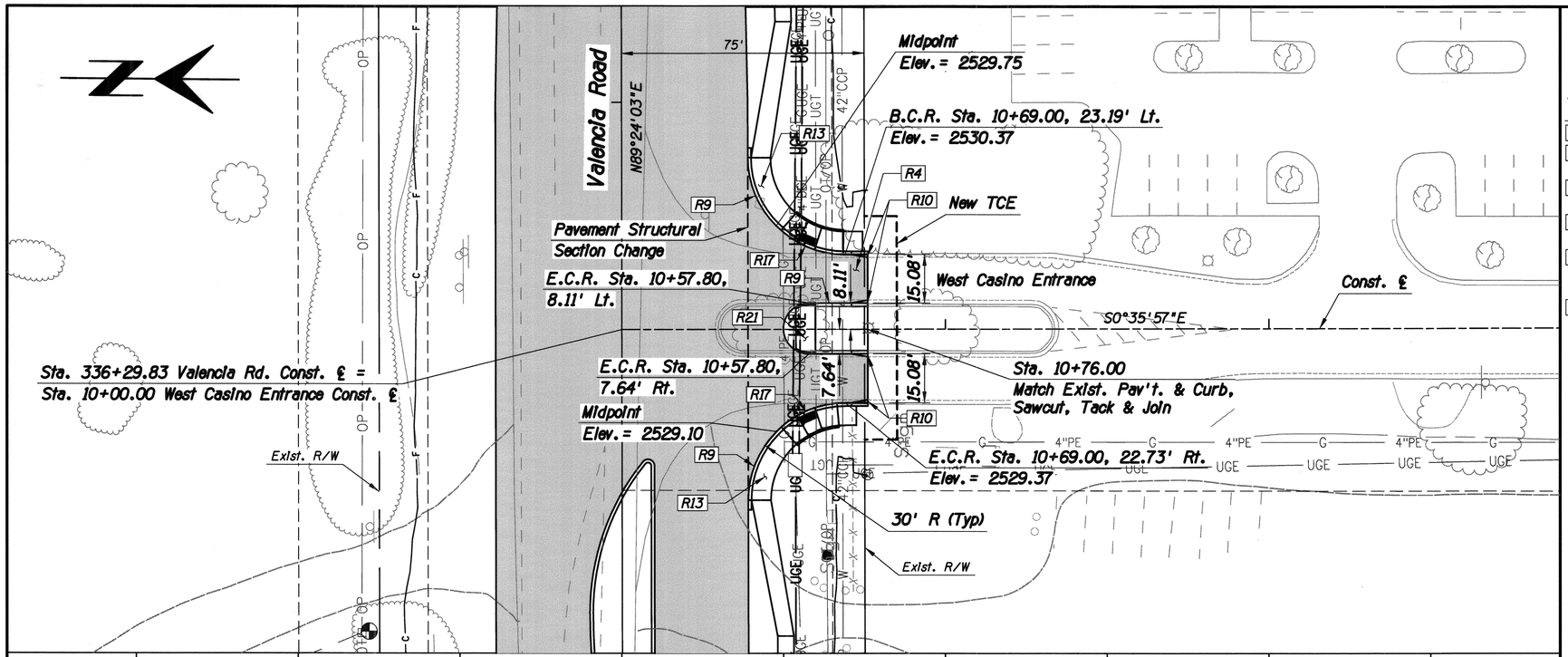
Pentable: 152226_PLOTORDR.TBL
PlotDriver: 152226_V8XUL_BW_PDF.plt
Project ID: 00000000152226
Client Number: 012145

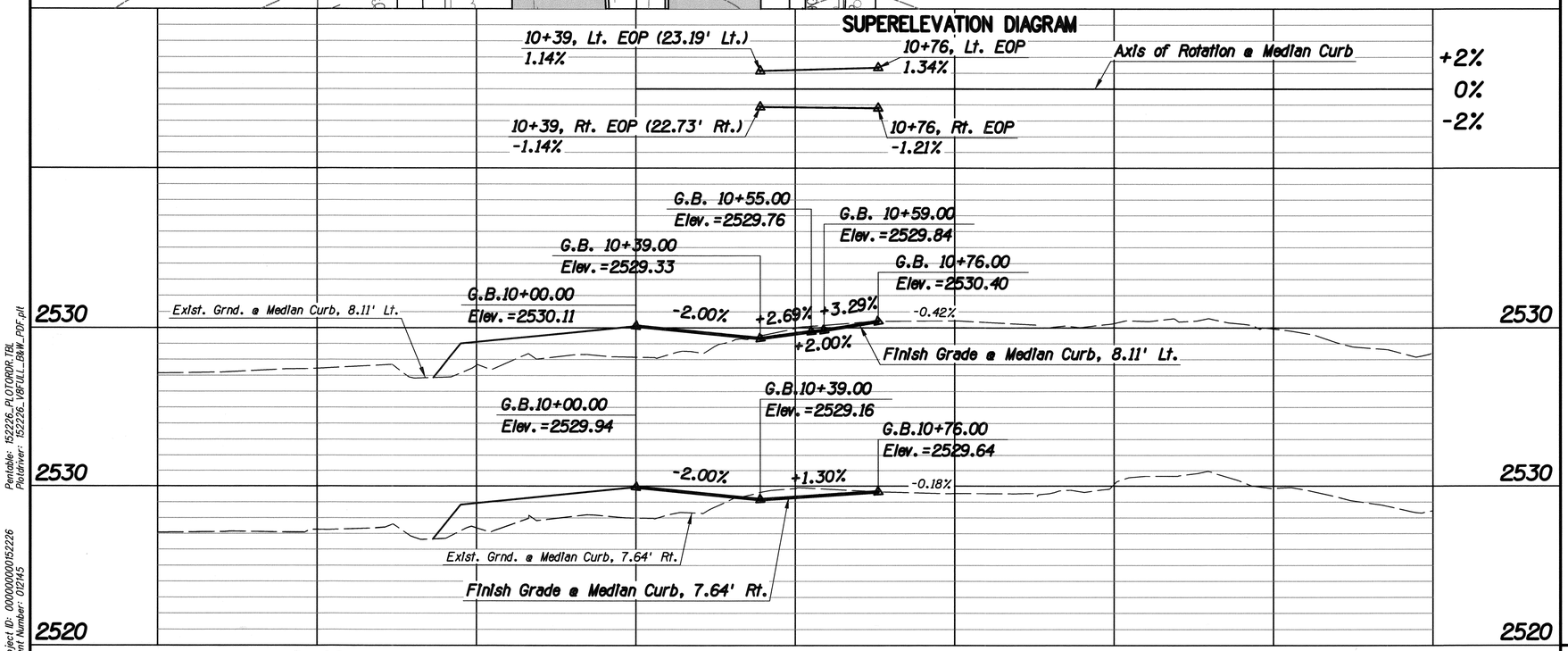
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C107

Printed By: jefrey Date: 7/21/2014 2:18:10 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R4	188	S.Y.	Pav't Struct. Sec. No. 4
R9	149	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R10	20	L.F.	Curb Transition See Detail H
R13	332	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200
R17	2	Each	Curb Access Ramp PC Std. Dtl. 207, Type 1 See Detail R
R21	1	Each	Median Refuge Area, Type 1 PC Std. Dtl. 207 Sheet 6 of 8





WEST CASINO ENTRANCE
SIDE STREET PLAN/PROFILE

20 0 20 40

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet SS8 of SS10	Page 114 of 281

TRACS No. SS975 01C

Print Scale: 1:20

No.	Revision Description	Engineer	Date

	Date
Designed	03/2014
Drawn	KAM
Checked	KAM, JMF
Proj. Engr.	RDB
	RDB
	03/2014

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

ARIZONA U.S.A. CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-8-14
Expires 3-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8ITILL_B&W_PDF.pll
Project ID: 0000000152226
Client Number: 012145

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R4	378	S.Y.	Pav't Struct. Sec. No. 4
R9	160	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R10	20	L.F.	Curb Transition See Detail H
R13	180	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200, 6' Width
R17	4	Each	Curb Access Ramp PC Std. Dtl. 207, Type 1 See Detail R
R21	1	Each	Median Refuge Area, Type 1 PC Std. Dtl. 207 Sheet 6 of 8
R22	2	Each	Scupper, Modified Type 2 PC/COT Std. Dtl. 205 See Detail DL
R23	5	L.F.	Handrail PC Std. Dtl. 105
a	5	L.F.	Sta. 10+71.34, 52.2' Rt. to Sta. 10+76.31, 51.7' Rt.
R26	1	C.Y.	Dumped Riprap See Detail DL

Exist. R/W

B.C.R. Sta. 10+64.00, 40.59' Lt.
Elev. = 2541.21
Sta. 10+79.00
Match Exist. Pav't. & Curb, Sawcut, Tack & Join

Midpoint
Elev. = 2542.02

E.C.R. Sta. 10+58.00, 6.42' Rt.

Sta. 347+21.83 Valencia Rd. Const. ℄ =
Sta. 10+00.00 East Casino Entrance Const. ℄

Pavement Structural Section Change

E.C.R. Sta. 10+58.00, 17.48' Rt.

Midpoint
Elev. = 2540.76

30' R (Typ)

E.C.R. Sta. 10+76.00, 44.30' Rt.
Elev. = 2540.46

For Scupper Outlet Grading Plan
See Detail DM

East Casino Entrance
S0°35'57"E
Const. ℄
40.59'
11.06'
26.81'
New TCE
6.42'

Valencia Road
N89°24'03"E

G.B.10+00.00 Elev. =2542.89
G.B.10+36.46 Elev. =2542.16
G.B.10+58.00 Elev. =2541.35
G.B.10+62.00 Elev. =2541.27
G.B.10+73.00 Elev. =2540.93
G.B.10+79.00 Elev. =2540.98
-2.00% -3.76% -3.11% +1.93% -2.00% +0.74%
Exist. Grnd. @ Curb, 41.5' Lt.
Finish Grade @ Curb, 40.59' Lt.

G.B.10+00.00 Elev. =2542.35
G.B.10+40.40 Elev. =2541.54
G.B.10+58.00 Elev. =2541.10
G.B.10+62.00 Elev. =2541.02
G.B.10+73.00 Elev. =2540.74
G.B.10+79.00 Elev. =2540.81
-2.00% -2.50% -2.55% +1.17% -2.00% +1.65%
Exist. Grnd. @ Median, 7' Rt.
Finish Grade @ Median, 6.42' Rt.

G.B.10+00.00 Elev. =2542.23
G.B.10+41.27 Elev. =2541.41
G.B.10+58.00 Elev. =2540.98
G.B.10+62.00 Elev. =2540.90
G.B.10+73.00 Elev. =2540.62
G.B.10+79.00 Elev. =2540.73
-1.99% -2.57% -2.54% +1.83% -2.00% +1.79%
Exist. Grnd. @ Median, 17' Rt.
Finish Grade @ Median, 17.48' Rt.

G.B.10+00.00 Elev. =2541.92
G.B.10+43.54 Elev. =2541.05
G.B.10+58.00 Elev. =2540.76
G.B.10+62.00 Elev. =2540.68
G.B.10+73.00 Elev. =2540.41
G.B.10+79.00 Elev. =2540.51
-2.00% -2.00% -2.45% +2.05% -2.00% +1.67%
Exist. Grnd. @ Curb, 45' Rt.
Finish Grade @ Curb, 44.30' Rt.

2540

9+00 10+00 11+00 12+00

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	ROB	03/2014
Proj. Engr.	ROB	03/2014

REGISTERED ARIZONA CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 6-9-14 ARIZONA U.S.A.

6-9-14 3-3-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

EAST CASINO ENTRANCE SIDE STREET PLAN/PROFILE

20 0 20 40

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet SS9 of SS10	Page 115 of 281

Print Scale: 1:20

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_R&W_PDF.pll

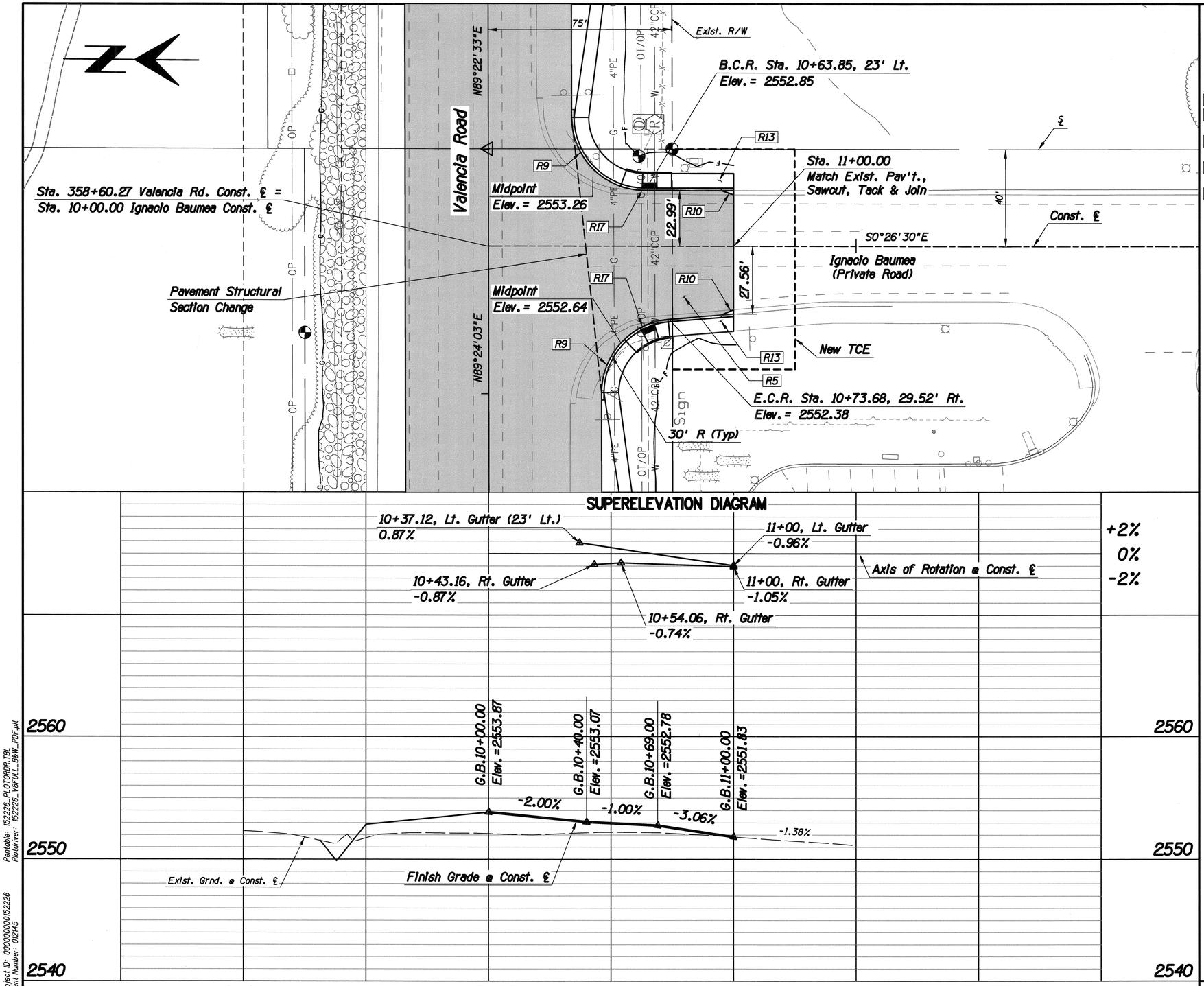
Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C104

Printed By: jefrey Date: 7/21/2014 2:18:13 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R5	390	S.Y.	Pav't Struct. Sec. No. 5
R9	144	L.F.	Vertical Curb, Type 1 PC Std. Dtl. 209, H=6"
R10	10	L.F.	Curb Transition See Detail H
R13	657	S.F.	Concrete Sidewalk, PC/COT Std. Dtl. 200, 5' Width
R17	2	Each	Curb Access Ramp PC Std. Dtl. 207, Type 1 See Detail R



No.	Revision Description	Engineer	Date

Designed	KAM	03/2014
Drawn	KAM, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Registered Professional Engineer
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 7-31-14
ARIZONA U.S.A.
Engr. 7-31-14

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

IGNACIO BAUMEA
SIDE STREET PLAN/PROFILE

20 0 20 40

Scales: Horiz. 1"=20' Vert. 1"=4'

Sheet SS10 of SS10

TRACS No. SS975 01C

Print Scale: 1:20

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW_PDF.plt

Project ID: 00000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\02C-101.dgn
Model: B02C105

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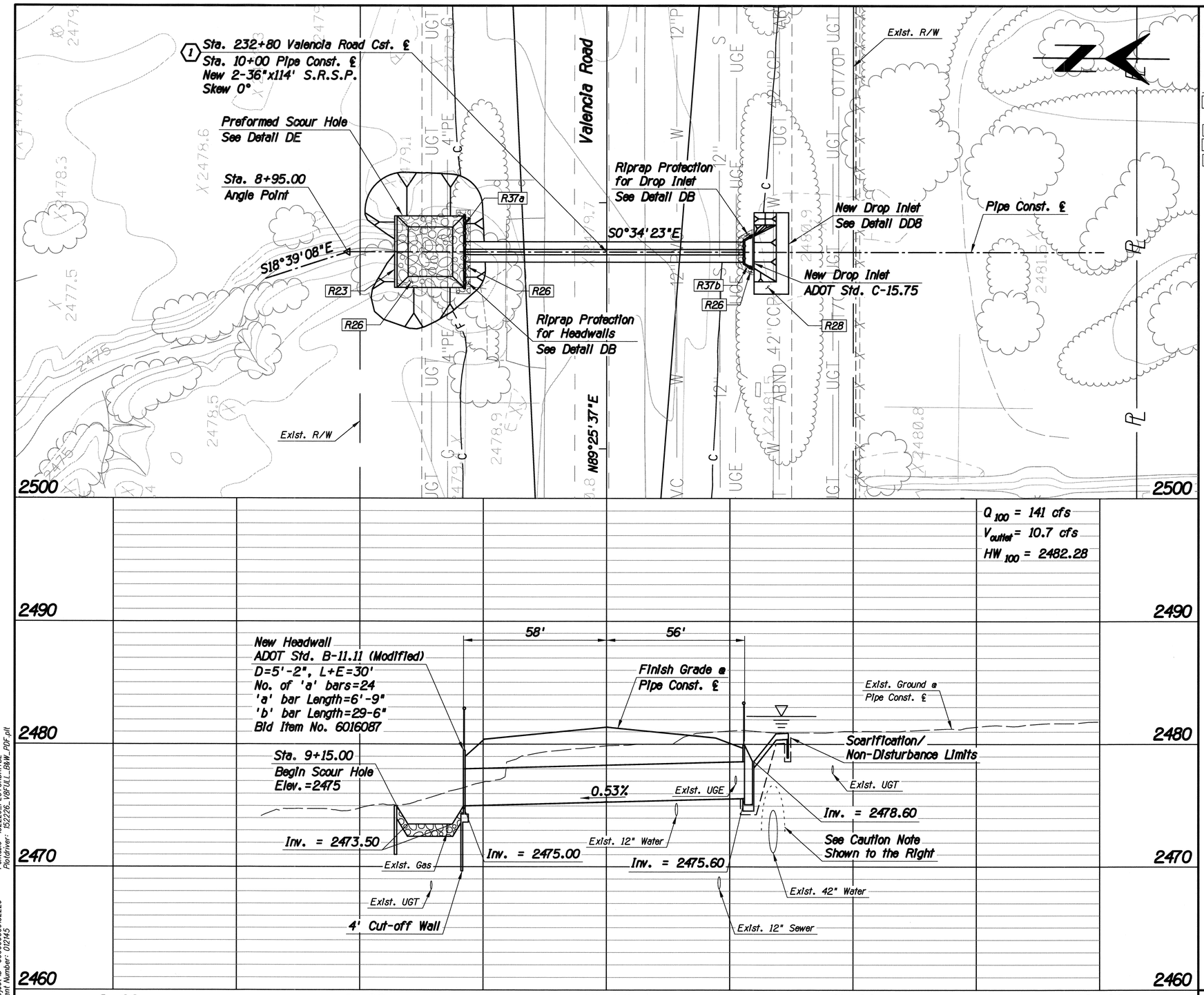


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	29	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	35	C.Y.	Dumped Riprap
R28	53	S.Y.	Concrete Channel Lining
R37	47	L.F.	Handrail PC Std. Dtl. 105
a	29	L.F.	Top of Headwall
b	18	L.F.	Around Drop Inlet

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

PIPE CULVERT NO. 1
STA. 232+80
CULVERT PLAN/PROFILE

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Pima County Department of Transportation

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

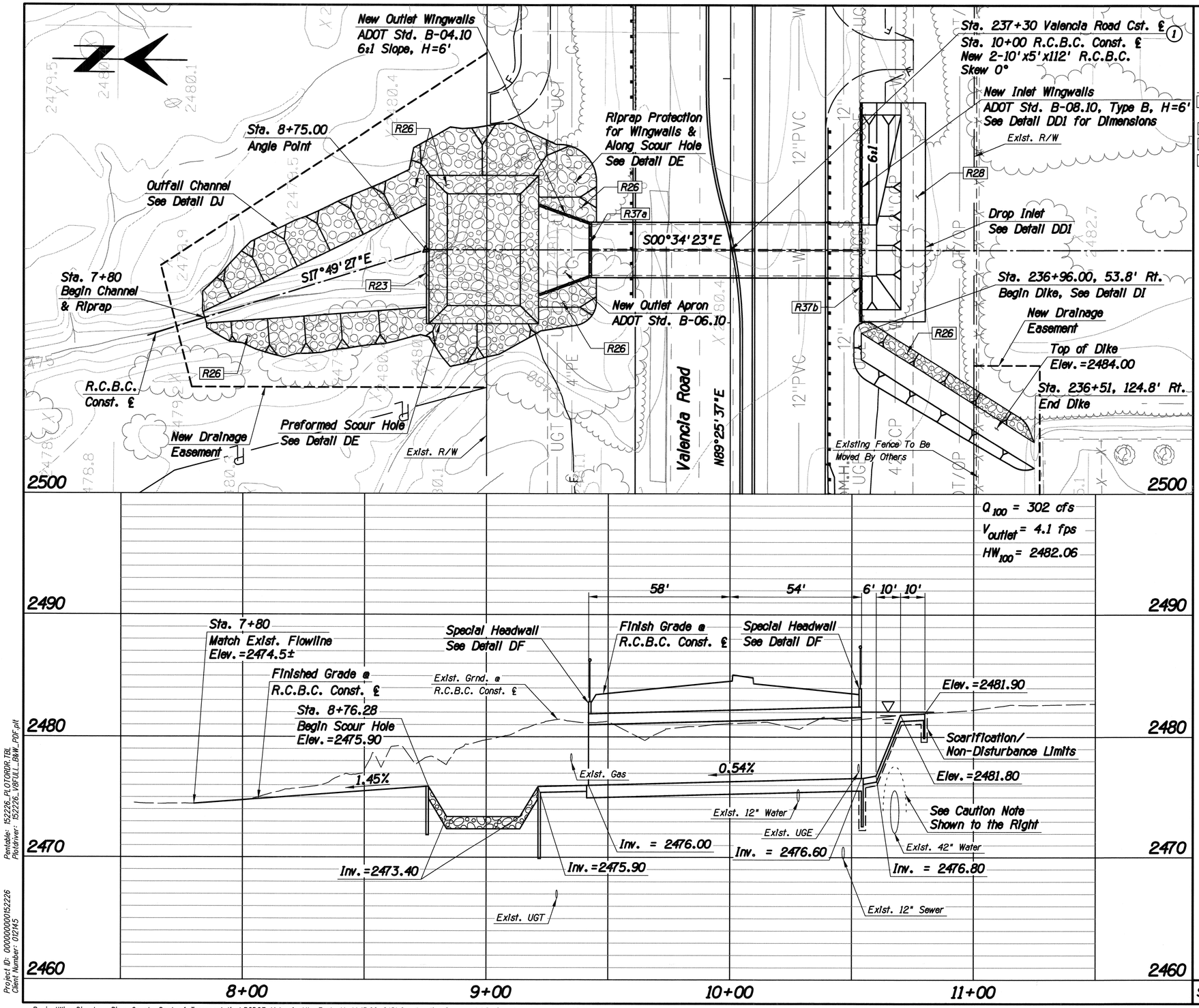
VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales: Horiz. 1"=20' Vert. 1"=4' | Sheet D1 of D14 | Page 117 of 281

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C000
Printed By: jefrey
Date: 7/21/2014 3:17:43 PM
Print Scale: 1:20



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	61	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	320	C.Y.	Dumped Riprap
R28	267	S.Y.	Concrete Channel Lining
R37	154	L.F.	Handrail PC Std. Detail 105
a	65	L.F.	Top of Headwall & Wingwall
b	89	L.F.	Top of Headwall & Wingwall

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

			Date
Designed	ABL, JMF		03/2014
Drawn	ABL, EB, JMF		03/2014
Checked	RDB		03/2014
Proj. Engr.	RDB		03/2014

51803
ANTONIO G. LEDESMA
ARIZONA, U.S.A.
Expires: 12-31-2014

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 1
STA. 237+30
CULVERT PLAN/PROFILE

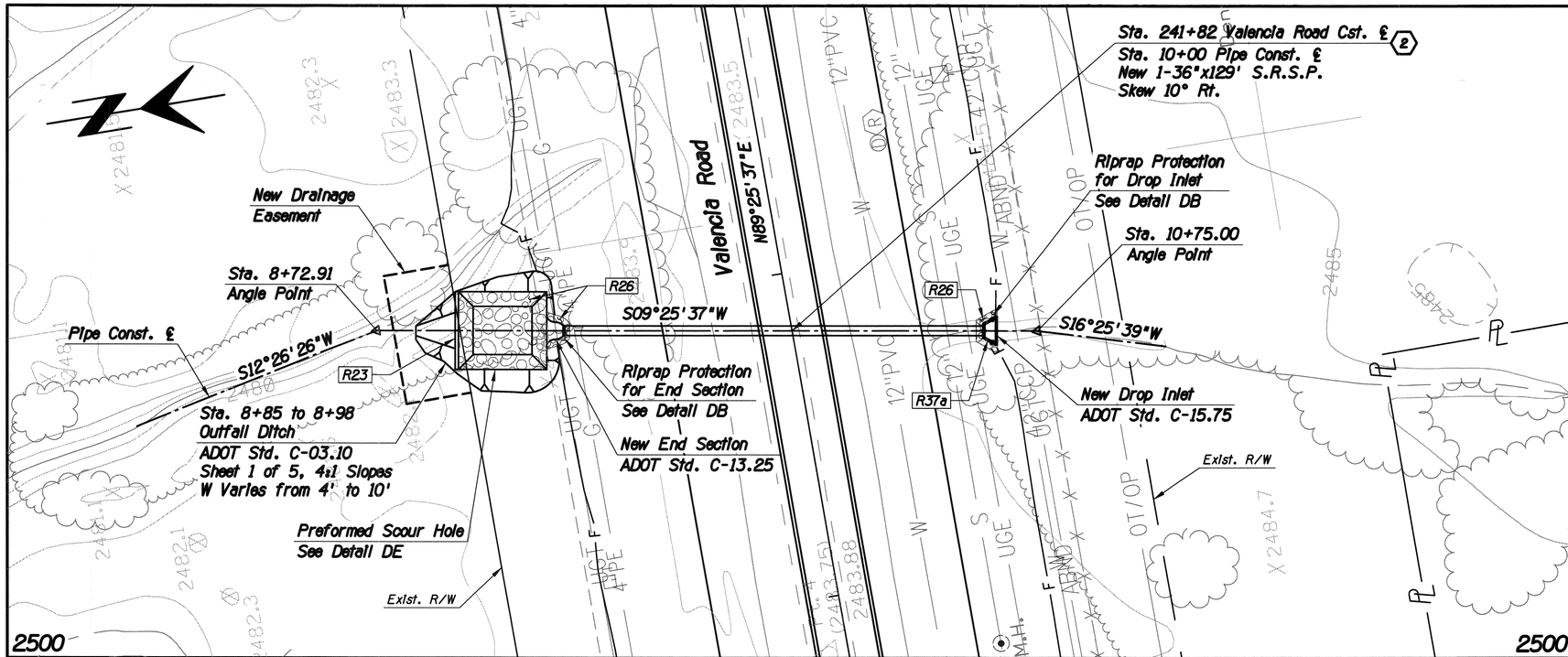
Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet	D2 of D14	Page	118 of 281

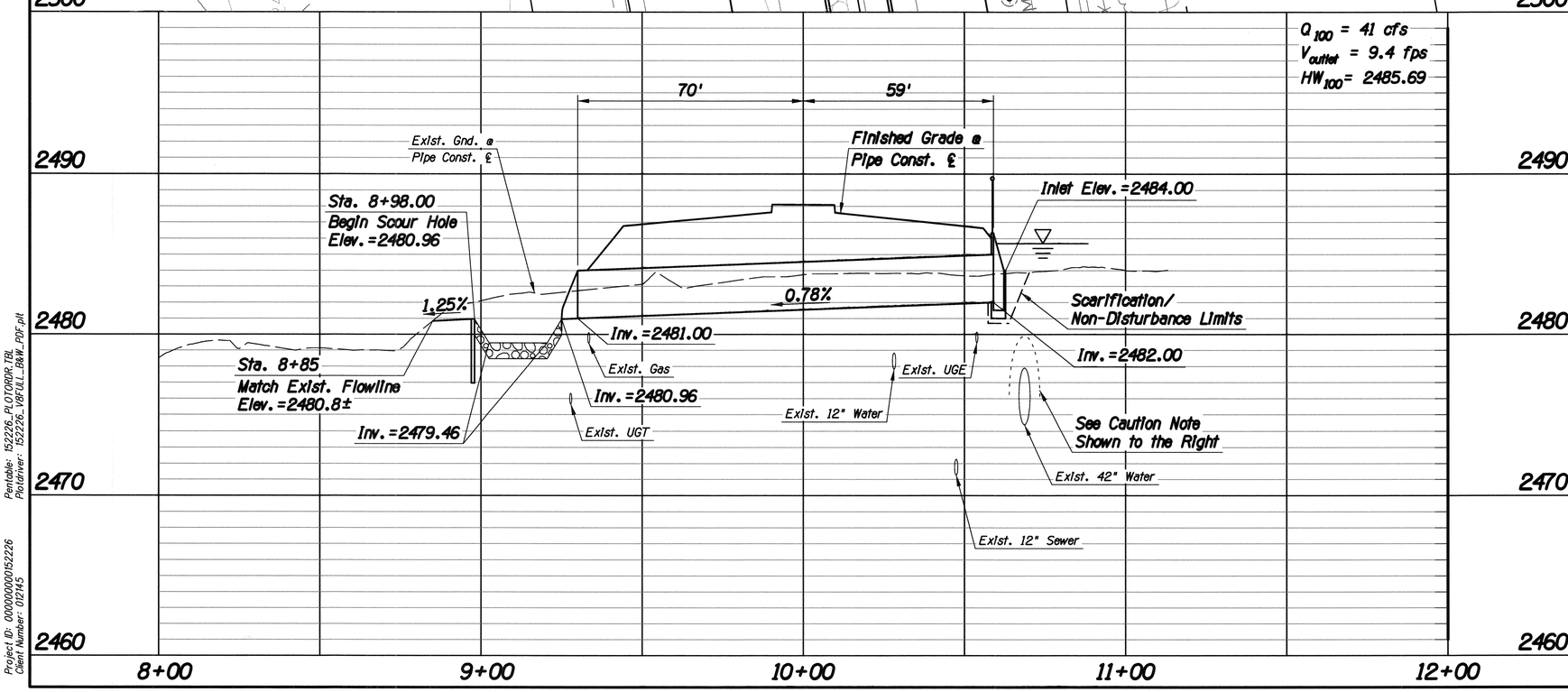
Print Scale: 1:20

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C001
Printed By: jefrey Date: 7/21/2014 3:17:45 PM





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	24	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	28	C.Y.	Dumped Riprap
R37	12	L.F.	Handrail PC Std. Dtl. 105
a	12	L.F.	Around Drop Inlet

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

PIPE CULVERT NO. 2
STA. 241+82
CULVERT PLAN/PROFILE

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) 51803 ARTURO B. LEDESMA Date Signed ARIZONA, U.S.A. Expires: 12-31-2016

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet D3 of D14	Page 119 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C011
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Date: 7/21/2014 3:17:47 PM
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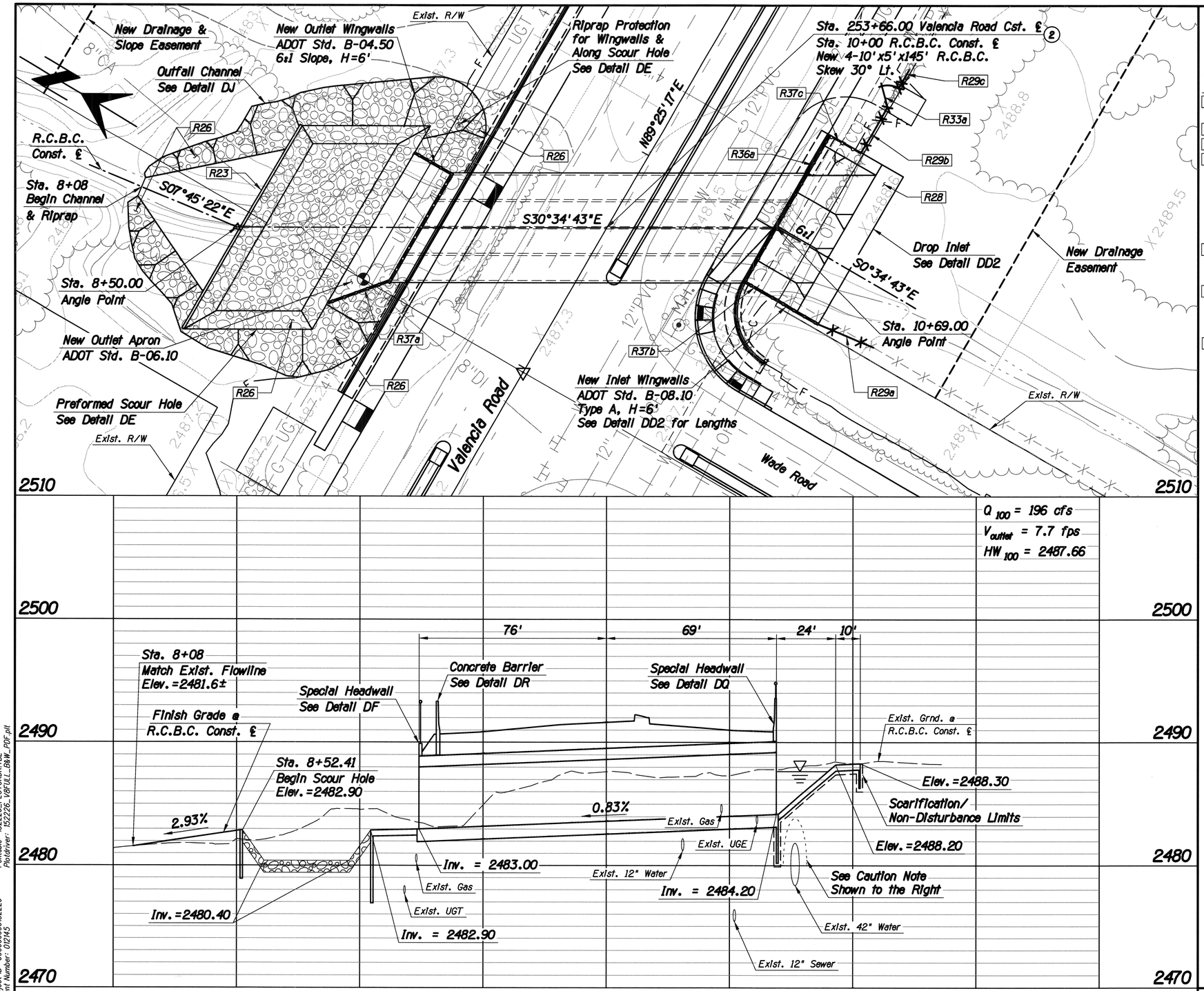
TRACS No. SS975 01C



Item No.	Qty.	Unit	Description
R23	96	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	335	C.Y.	Dumped Riprap
R28	260	S.Y.	Concrete Channel Lining
R29	53	L.F.	New 3-Rail Vinyl Fence
a	24	L.F.	Sta. 253+75, 94' Rt. to Sta. 253+78, 118' Rt.
b	21	L.F.	Sta. 254+44, 74' Rt. to Sta. 254+65, 74' Rt.
c	8	L.F.	Sta. 254+75, 74' Rt. to Sta. 254+83, 74' Rt.
R33	1	Each	New 10' 3-Rail Vinyl Gate
a	1	Each	Sta. 254+65, 74' Rt. to Sta. 254+75, 74' Rt.
R36	69	L.F.	Barricade Railing (Special) See Detail DH
a	69	L.F.	Sta. 253+75.14, 59.4' Rt. to Sta. 254+43.74, 59.4' Rt.
R37	142	L.F.	Handrail PC Std. Dtl. 105
a	93	L.F.	Top of Headwall & Wingwall
b	34	L.F.	Sta. 253+75.14, 93.3' Rt. to Sta. 253+75.14, 59.4' Rt.
c	15	L.F.	Sta. 254+43.74, 59.4' Rt. to Sta. 254+43.74, 74.0' Rt.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	03/2014	03/2014	03/2014	03/2014
	E.B. JMF	E.B. JMF	RDB	RDB

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 564-3600

STATE OF ARIZONA
51803
ARTURO B. LEDESMA
Registered Professional Engineer
Expires: 12-31-2015

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 2
STA. 253+66
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet	D4 of D14	Page	120 of 281

Print Scale: 1:20

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 00000000152226
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C021
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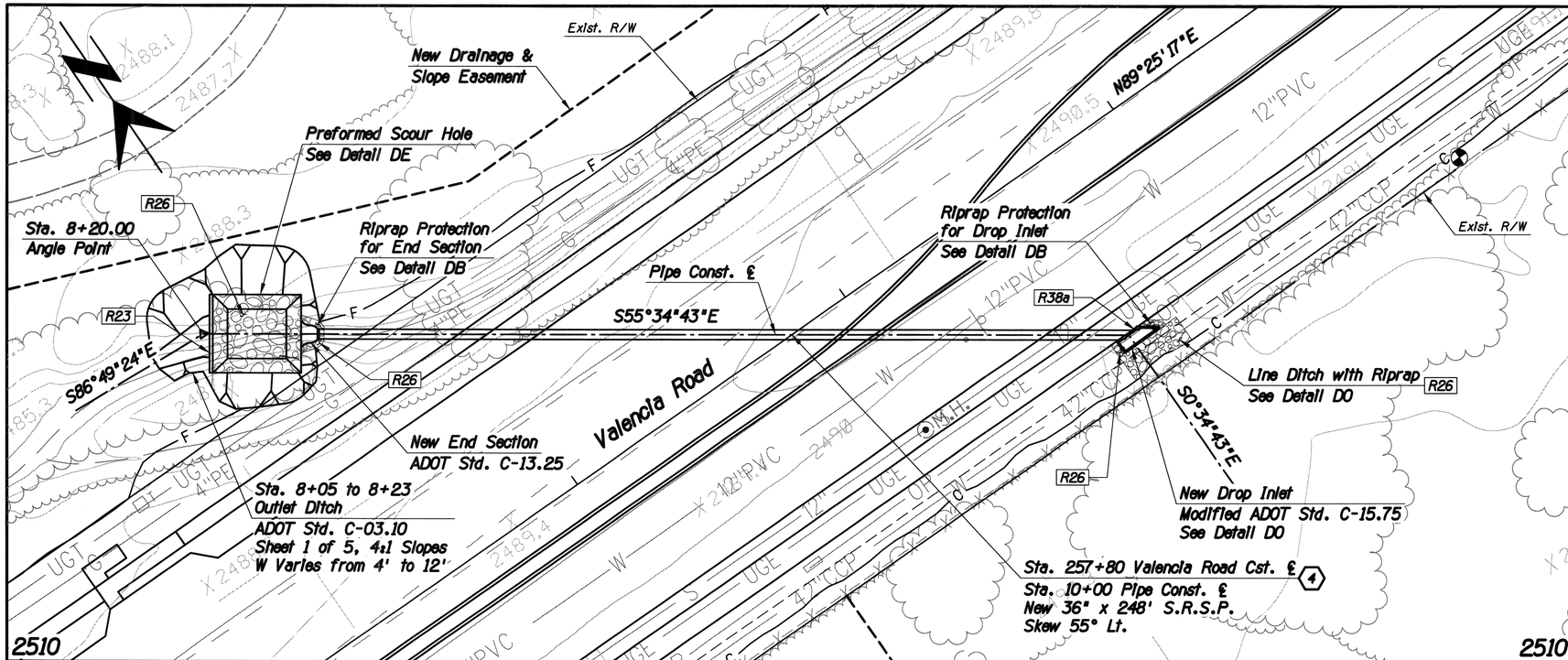

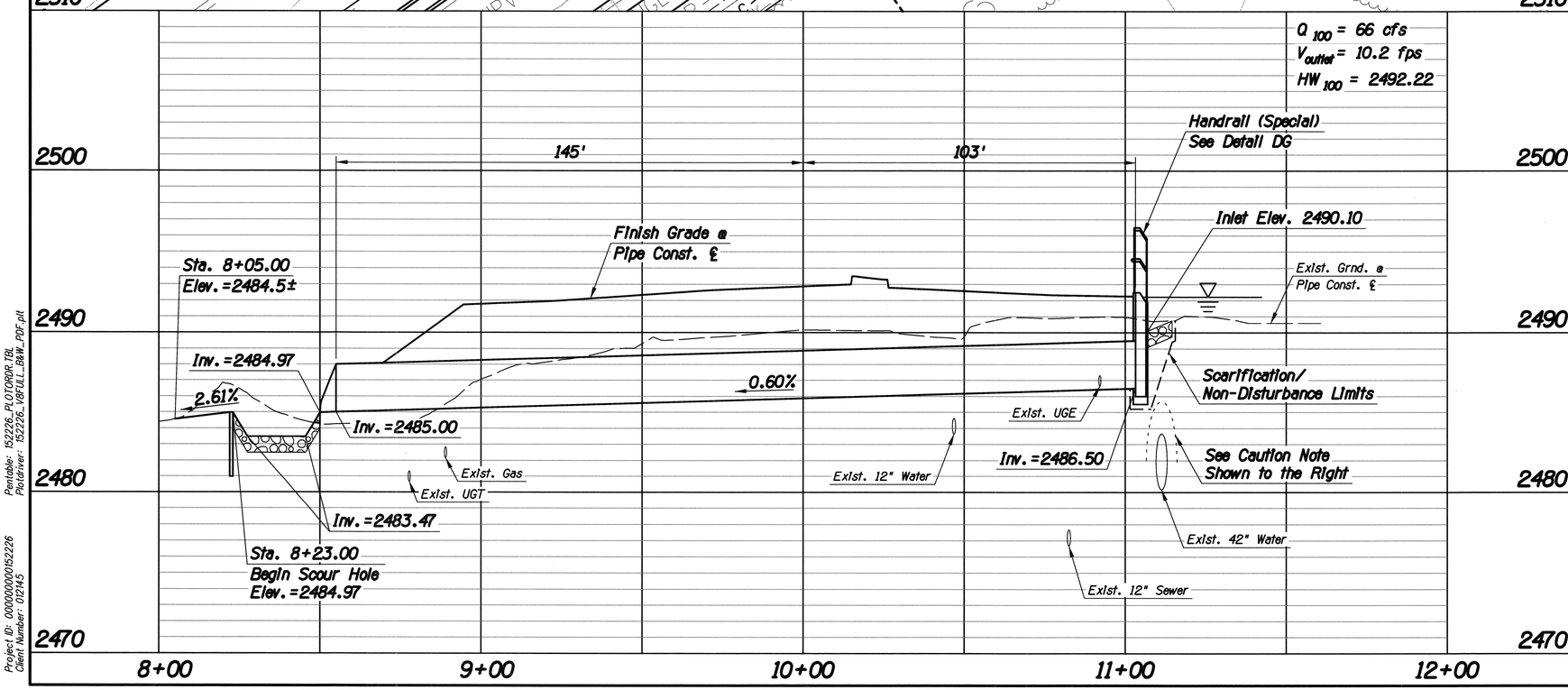

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-01(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	24	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	33	C.Y.	Dumped Riprap
R38	17	L.F.	Handrail (Special) See Detail DG
a	17	L.F.	Around Drop Inlet

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

PIPE CULVERT NO. 4
STA. 257+80
CULVERT PLAN/PROFILE

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	EB, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Professional Engineer (Civil) 51803 ARTURO B. LEDESMA Date Signed ARIZONA, U.S.A. Expires: 12-31-2016

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet D5 of D14	Page 121 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
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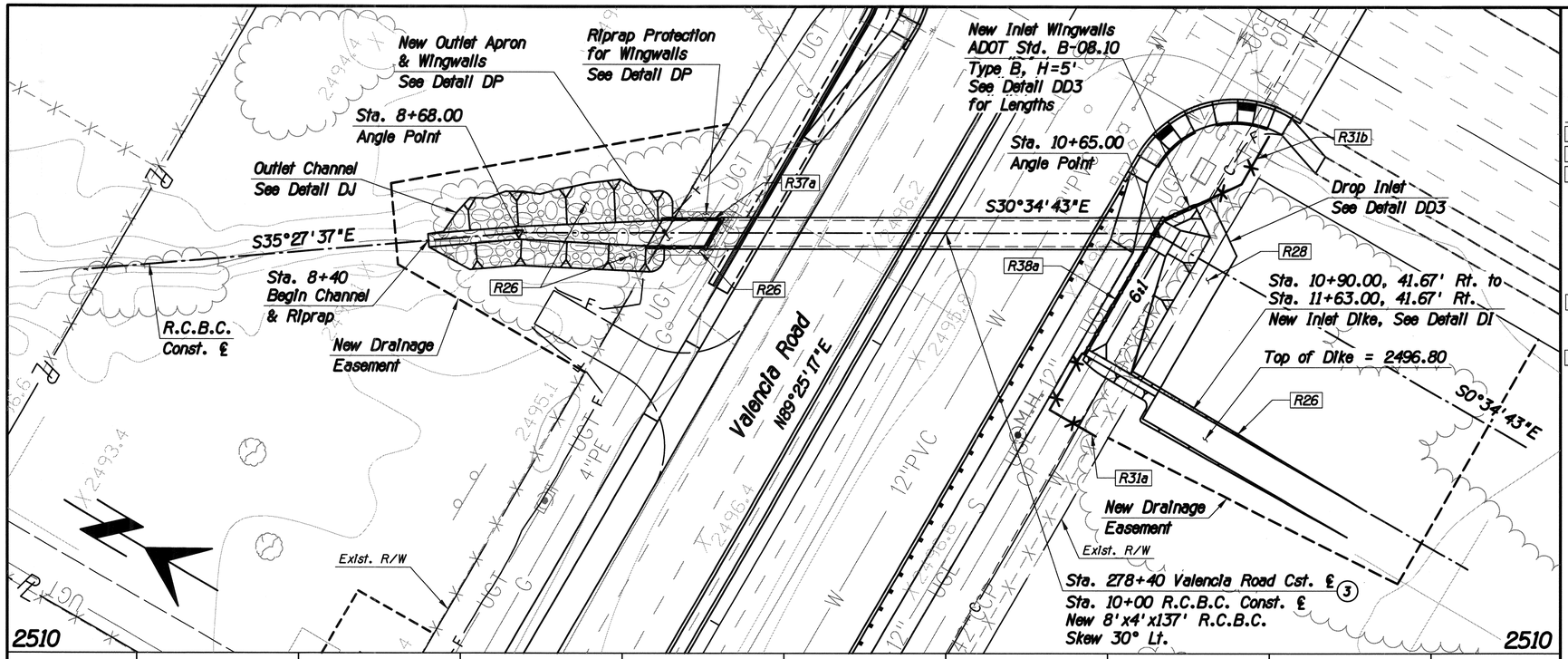
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R26	65	C.Y.	Dumped Riprap
R28	158	S.Y.	Concrete Channel Lining
R31	69	L.F.	New Type 1, Barbed Wire Fence ADOT Std. C-12.10
a	36	L.F.	Sta. 278+09, 55' Rt. to Sta. 278+09, 55' Rt. to Sta. 278+29, 55' Rt.
b	33	L.F.	Sta. 278+86, 62' Rt. to Sta. 278+99, 71' Rt. to Sta. 279+16, 71' Rt.
R37	46	L.F.	Handrail PC Std. Dtl. 105
a	46	L.F.	Top of Headwall & Wingwall
R38	58	L.F.	Handrail (Special) See Detail DG
a	58	L.F.	Top of Headwall & Wingwall

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 3
STA. 278+40
CULVERT PLAN/PROFILE

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	EB, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) 51803 ARTURO B. LEDESMA Date Signed ARIZONA, U.S.A. Expires: 12-31-2016

HDR Engineering, Inc. 5210 East Williams Circle, Suite 530 Tucson, AZ 85711-4459 (520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales | Horiz. 1"=20' Vert. 1"=4' | Sheet D6 of D14 | Page 122 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C041
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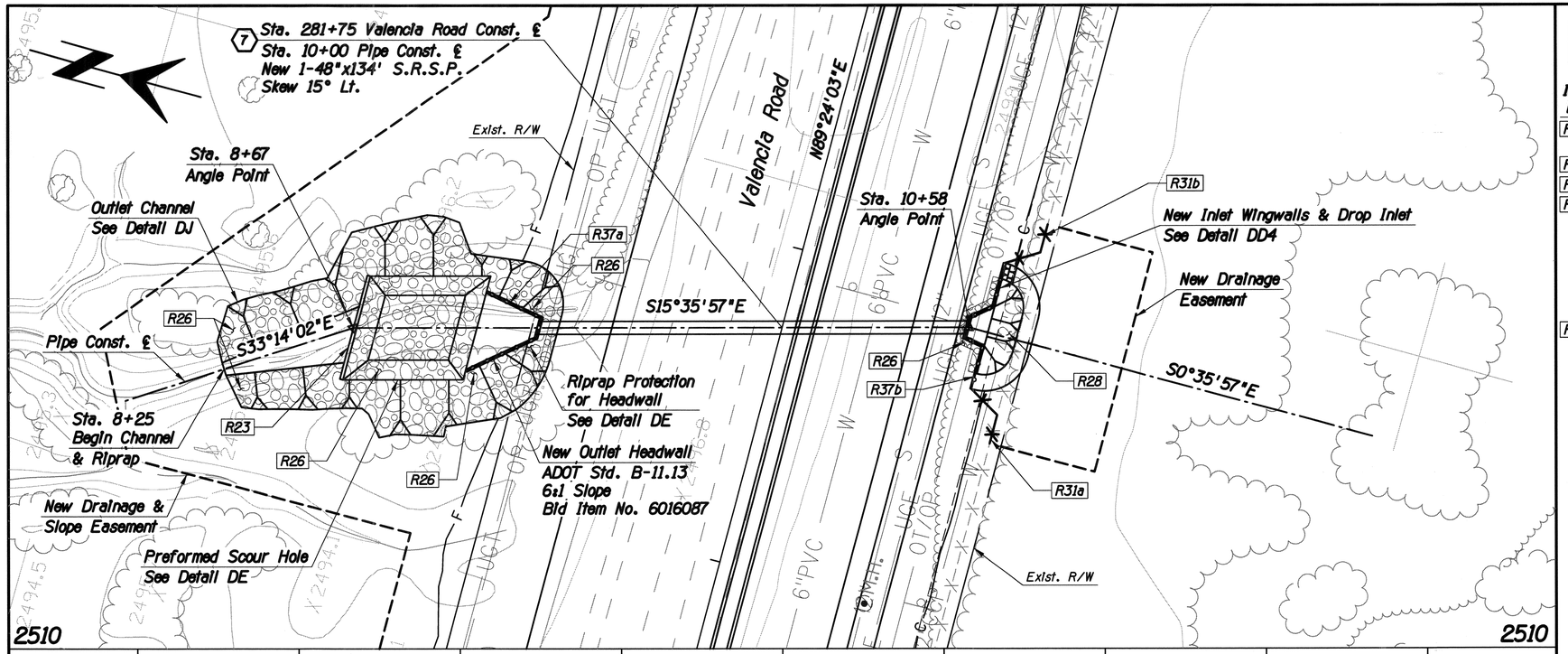
TRACS No. SS975 01C



F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	33	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	166	C.Y.	Dumped Riprap
R28	57	S.Y.	Concrete Channel Lining
R31	40	L.F.	New Type 1, Barbed Wire Fence ADOT Std. C-12.10
a	20	L.F.	Sta. 281+57, 71' Rt. to Sta. 281+66, 71' Rt. to Sta. 281+72, 61.6' Rt.
b	20	L.F.	Sta. 282+12, 61.6' Rt. to Sta. 282+18, 71' Rt. to Sta. 282+27, 71' Rt.
R37	95	L.F.	Handrail PC Std. Dtl. 105
a	48	L.F.	Top of Headwall & Wingwall
b	47	L.F.	Top of Headwall, Wingwall, & Concrete Apron

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

PIPE CULVERT NO. 7
STA. 281+75
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20'
	Vert. 1"=4'

Sheet D7 of D14

Page 123 of 281

Print Scale: 1:20

TRACS No. SS975 01C

No.	Revision Description	Engineer	Date

Designed	ABL	03/2014
Drawn	E.B. JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

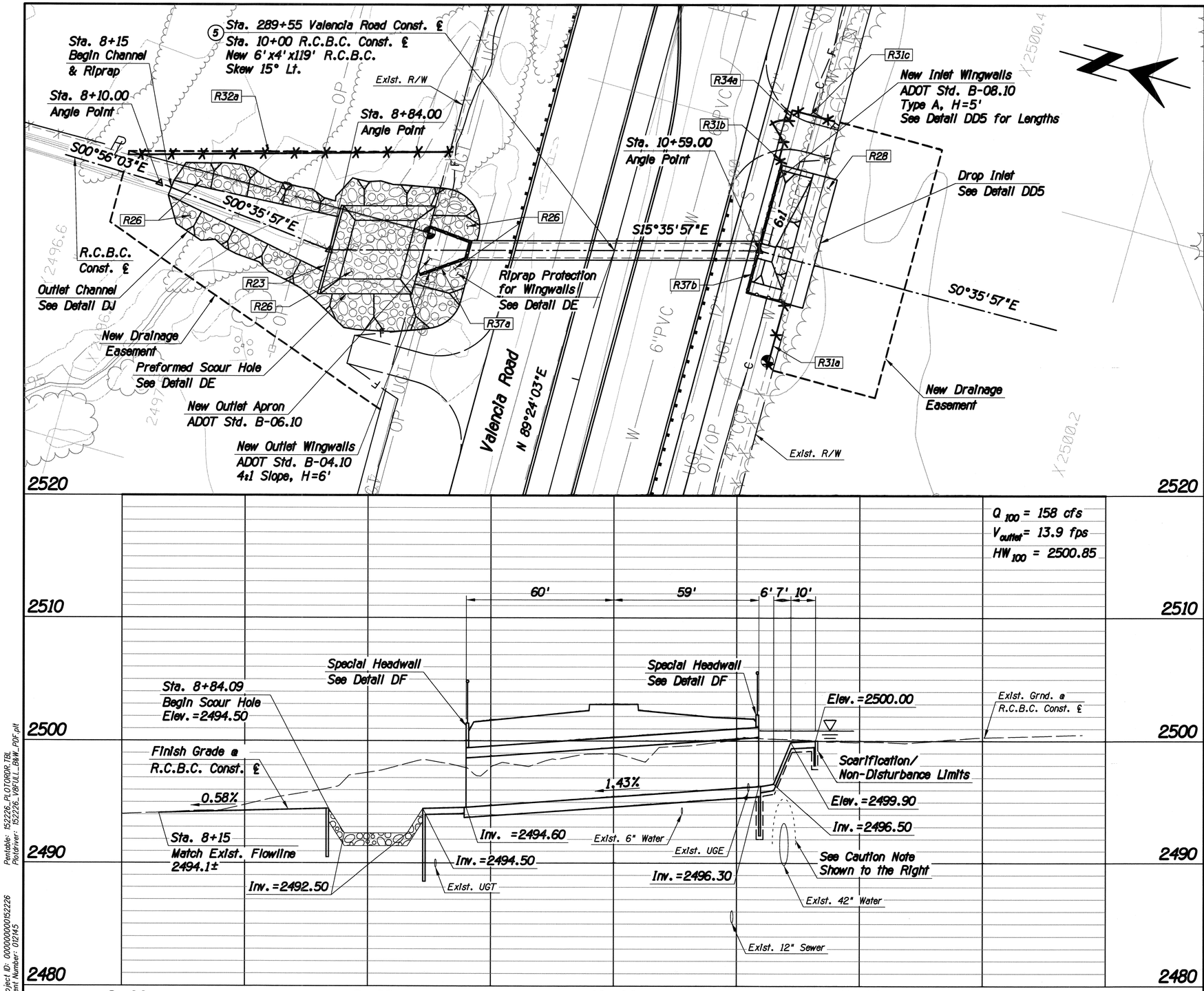
HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 364-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Registered Professional Engineer
51803
ARTURO B. LEDESMA
Arizona, U.S.A.
Expires: 12-31-

Pentable: 152226_PLOTORDR.TBL
PlotDriver: 152226_V8PULL_D8W_PDF.plt
Project ID: 0000000000152226
Client Number: 01245

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C051
Printed By: jefrey
Date: 7/21/2014 3:17:54 PM



Q_{100} = 158 cfs
V_{outlet} = 13.9 fps
HW_{100} = 2500.85

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM S5975 01C			

Item No.	Qty.	Unit	Description
R23	37	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	162	C.Y.	Dumped Riprap
R28	142	S.Y.	Concrete Channel Lining
R31	49	L.F.	New Type 1, Barbed Wire Fence ADOT Std. C-12.10
a	28	L.F.	Sta. 289+24, 72' Rt. to Sta. 289+49, 72' Rt.
b	3	L.F.	Sta. 290+06, 57' Rt. to Sta. 290+09, 55' Rt.
c	18	L.F.	Sta. 290+29, 55' Rt. to Sta. 290+29, 73' Rt.
R32	132	L.F.	New Type 2, Barbed Wire Fence ADOT Std. C-12.10
a	132	L.F.	Sta. 289+41, 201' Lt. to Sta. 289+77, 74' Lt.
R34	1	Each	New 20' Type 2 Gate ADOT Std. C-12.10
a	1	Each	Sta. 290+09, 55' Rt. to Sta. 290+29, 55' Rt.
R37	112	L.F.	Handrail PC Std. Dtl. 105
a	43	L.F.	Top of Headwall & Wingwall
b	69	L.F.	Sta. 289+52.72, 72.5' Rt. to Sta. 289+52.72, 56.6' Rt. to Sta. 290+05.83, 56.6' Rt.

No.	Revision Description	Engineer	Date

	Designed	ABL	03/2014
	Drawn	EB, JMF	03/2014
	Checked	RDB	03/2014
	Proj. Engr.	RDB	03/2014

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

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 5
STA. 289+55
CULVERT PLAN/PROFILE

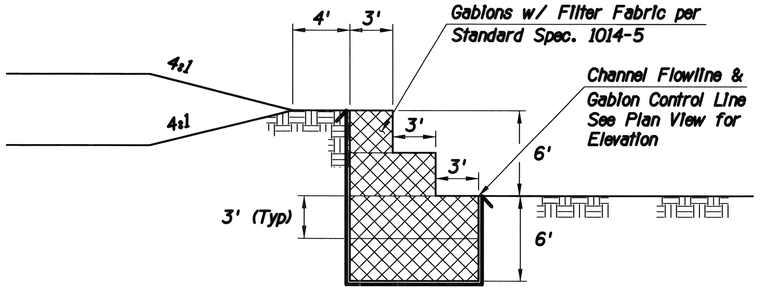
Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet D8 of D14	Page 124 of 281

Print Scale: 1:20

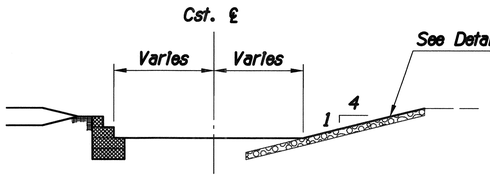
TRACS No. SS975 01C

Pentable: 152226_PLOTORDR_TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000052226
Client Number: 012145

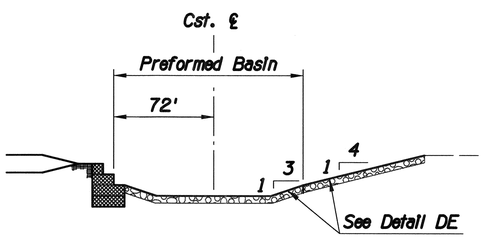
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C062
Printed By: jefrey Date: 7/21/2014 3:17:55 PM



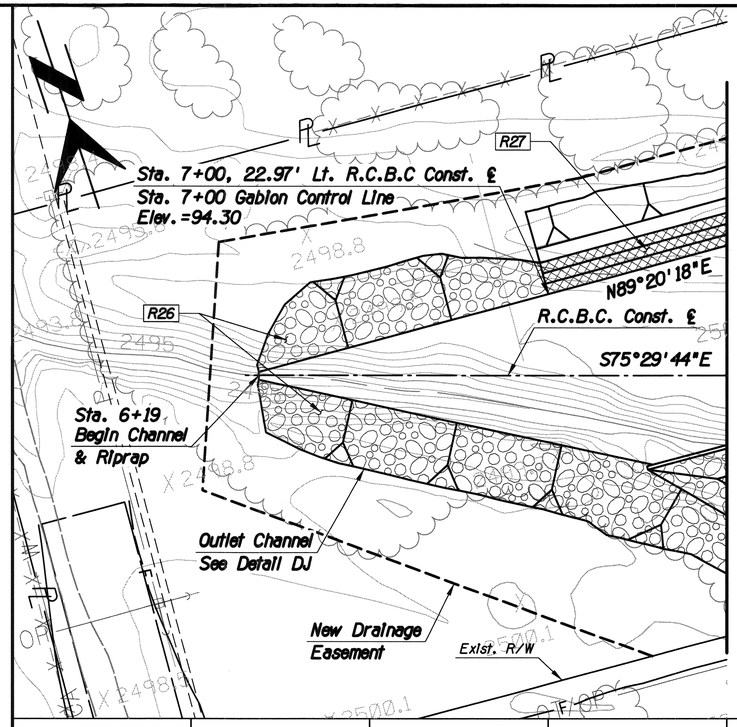
Gabion Detail

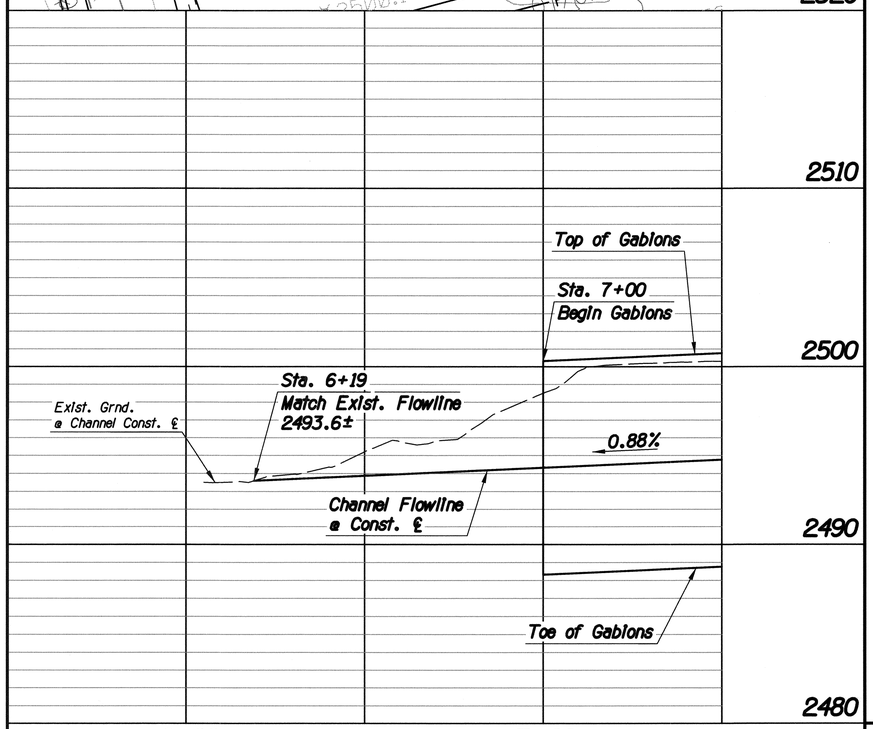


Channel Typical Section
Sta. 7+00 to Sta. 9+25



Channel Typical Section
Sta. 9+25 to Sta. 9+89





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R26	146	C.Y.	Dumped Riprap
R27	867	C.Y.	Gabions

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	JMF, EB	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

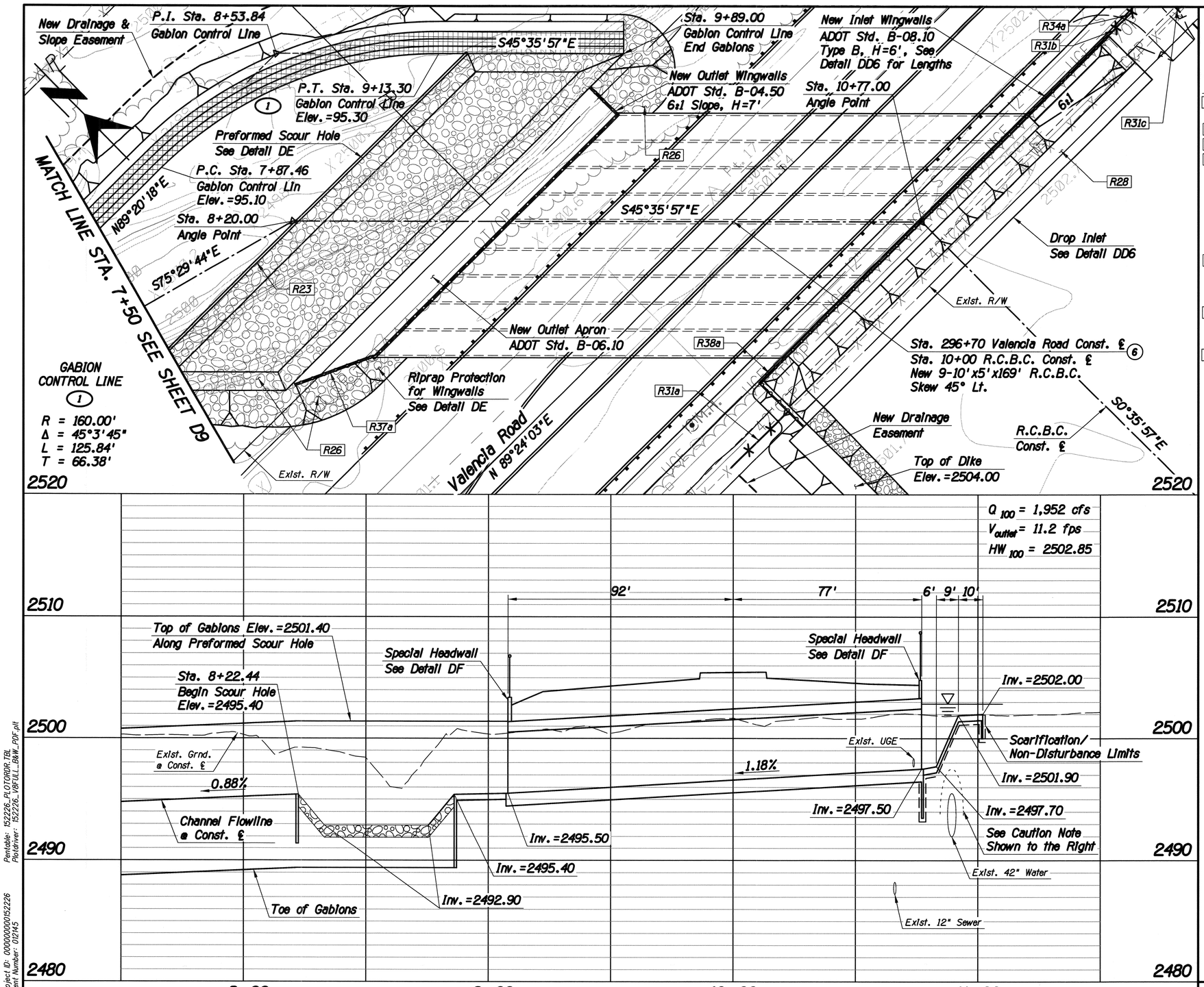
BOX CULVERT NO. 6
STA. 296+70
SHEET 1 OF 3
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20'	Sheet D9 of D14	Page 125 of 281
	Vert. 1"=4'		

Print Scale: 1:20

TRACS No. SS975 01C

Project ID: 0000000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_VBFULL_B&W_PDF.plt
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C071
Printed By: jefrey Date: 7/21/2014 3:17:57 PM



Item No.	Qty.	Unit	Description
R23	195	L.F.	Concrete Ford Wall (1'x4') See Detail DN
R26	411	C.Y.	Dumped Riprap
R28	571	S.Y.	Concrete Channel Lining
R31	55	L.F.	New Type 1, Barbed Wire Fence ADOT Std. C-12.10
a	33	L.F.	Sta. 295+98, 70' Rt. to Sta. 296+31, 70' Rt.
b	8	L.F.	Sta. 298+32, 54' Rt. to Sta. 298+40, 54' Rt.
c	14	L.F.	Sta. 298+60, 54' Rt. to Sta. 298+60, 68' Rt.
R34	1	Each	New 20' Type 2 Gate ADOT Std. C-12.10
a	1	Each	Sta. 298+40, 54' Rt. to Sta. 298+60, 54' Rt.
R37	190	L.F.	Handrail PC Std. Dtl. 105
a	190	L.F.	Top of Headwall & Wingwall
R38	225	L.F.	Handrail (Special) See Detail DG
a	225	L.F.	Sta. 296+31.46, 79.0' Rt. to Sta. 296+31.46, 54.1' Rt. to Sta. 298+32.00, 54.1' Rt.

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

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

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	E.B., JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

51803 ARTURO B. LEDESMA
ARIZONA, U.S.A.
Expires: 12-31-2014

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 6
STA. 296+70
SHEET 2 OF 3
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet D10 of D14	Page 126 of 281

Print Scale: 1:20
TRACS No. SS975 01C

Project ID: 0000000153226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C072
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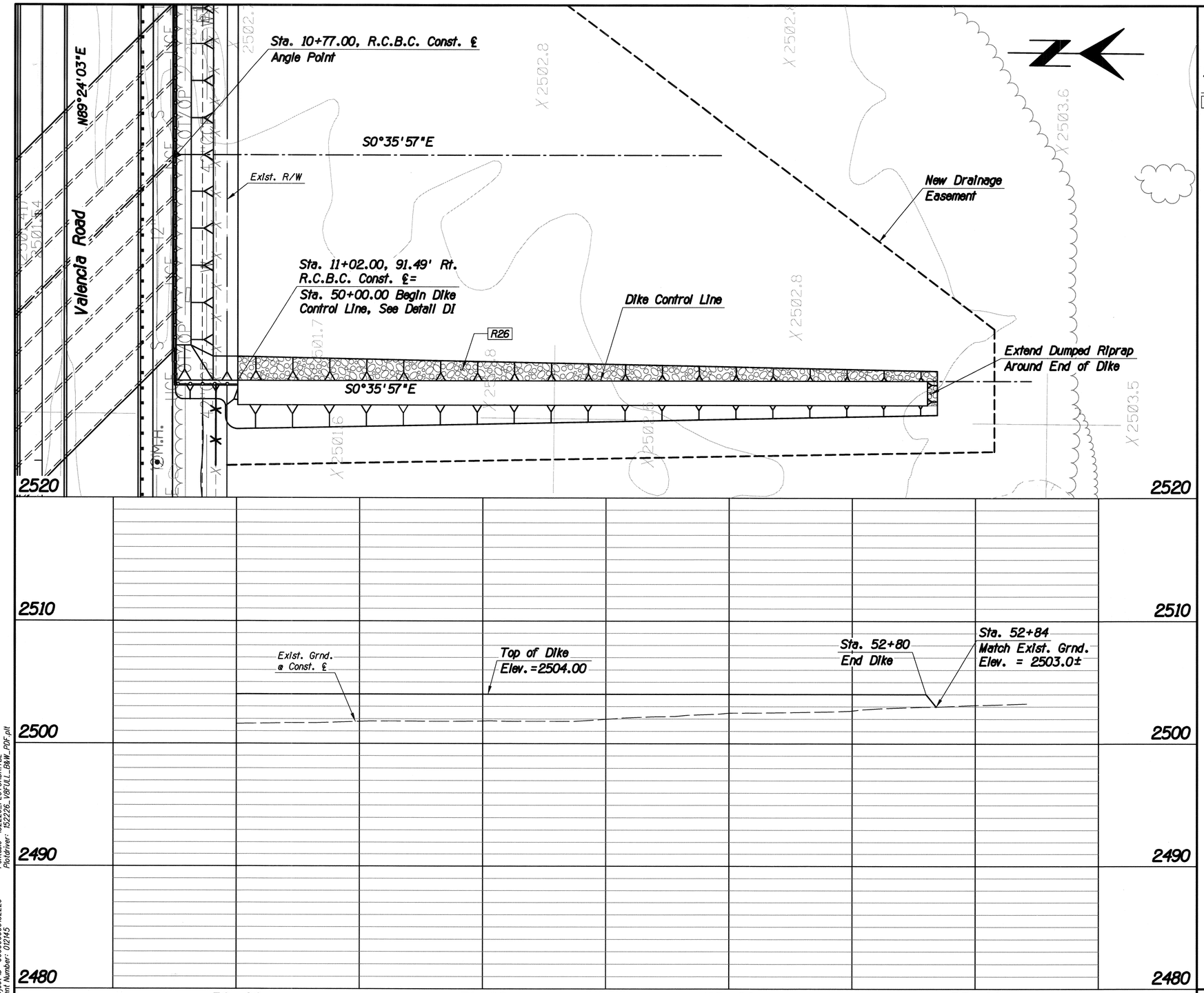


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R26	76	C.Y.	Dumped Riprap

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

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	EB, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

BOX CULVERT NO. 6
STA. 296+70
SHEET 3 OF 3
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20'
	Vert. 1"=4'

Sheet D11 of D14

TRACS No. SS975 01C

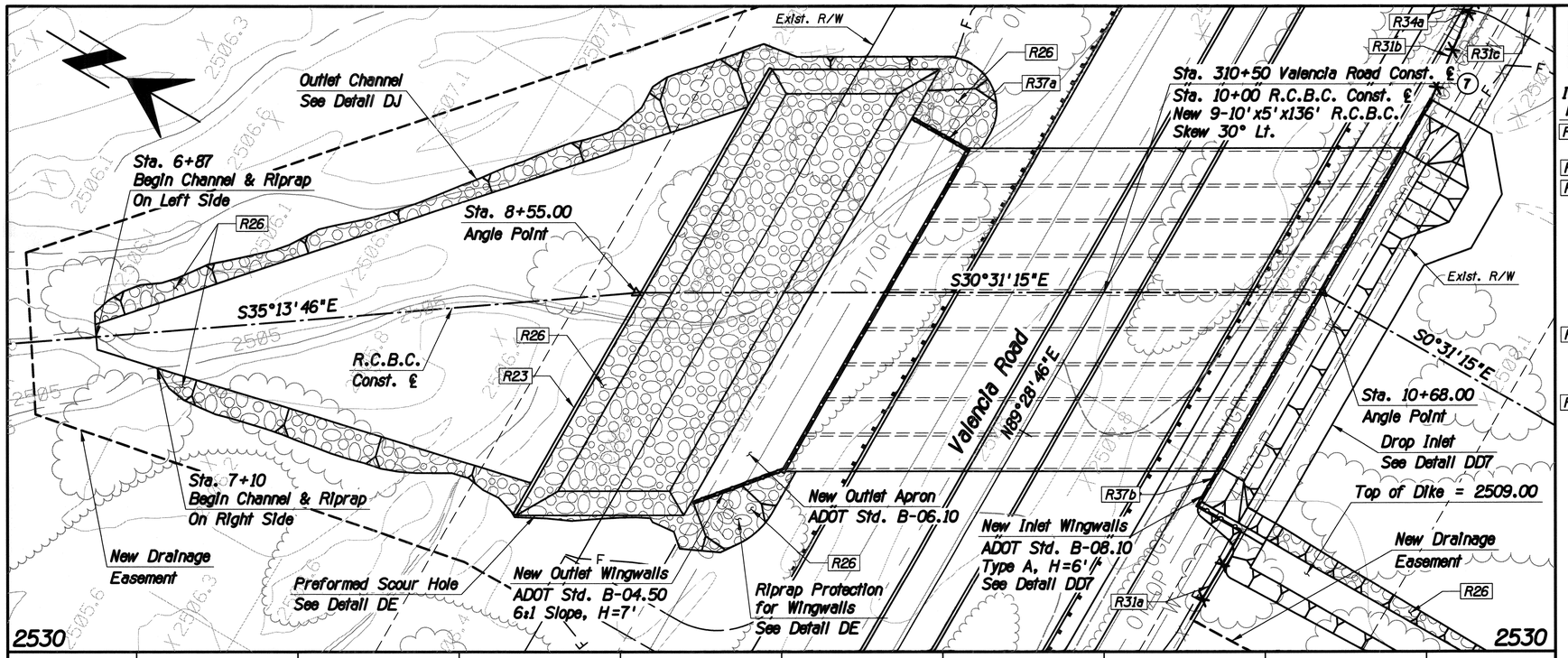
Print Scale: 1:20

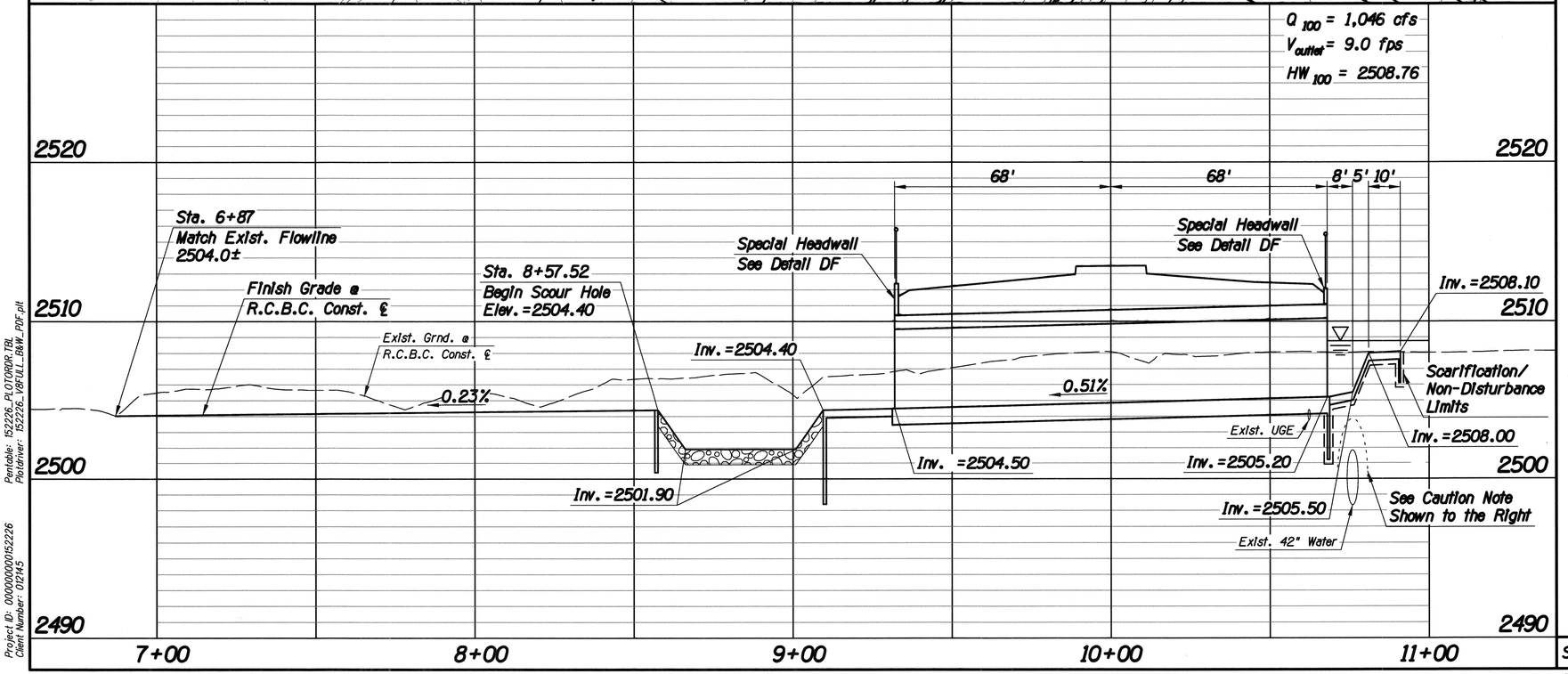
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XUL_B&W_PDF.plt

Project ID: 0000000001522226
Client Number: 01245

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C073

Printed By: jefrey Date: 7/21/2014 3:18:01 PM





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R23	159	L.F.	**Concrete Ford Wall (1'x4') See Detail DN**
R26	418	C.Y.	**Dumped Riprap**
R31	89	L.F.	**New Type 1, Barbed Wire Fence ADOT Std. C-12.10**
a	31	L.F.	Sta. 309+76, 74' Rt. to Sta. 310+07, 74' Rt.
b	30	L.F.	Sta. 311+52, 58' Rt. to Sta. 311+82, 55' Rt.
c	28	L.F.	Sta. 312+02, 55' Rt. to Sta. 312+11, 55' Rt. to Sta. 312+11, 74' Rt.
R34	1	Each	**New 20' Type 2 Gate ADOT Std. C-12.10**
a	1	Each	Sta. 311+82, 55' Rt. to Sta. 312+02, 55' Rt.
R37	323	L.F.	**Handrail PC Std. Dtl. 105**
a	163	Each	Top of Headwall & Wingwall
b	160	Each	Sta. 310+07.42, 73.9' Rt. to Sta. 310+07.42, 58.3' Rt. to Sta. 311+51.98, 58.3' Rt.

No.	Revision Description	Engineer	Date

		Date
Designed	ABL	03/2014
Drawn	EB, JWF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to or above the non-disturbance limits. This same care shall be taken when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

BOX CULVERT NO. 7
STA. 310+50
SHEET 1 OF 2
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20'	Sheet	D12 of D14	Page 128 of 281
	Vert. 1"=4'			

Print Scale: 1:20

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 00000000152226
Client Number: 012145
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C081
Printed By: jefrey
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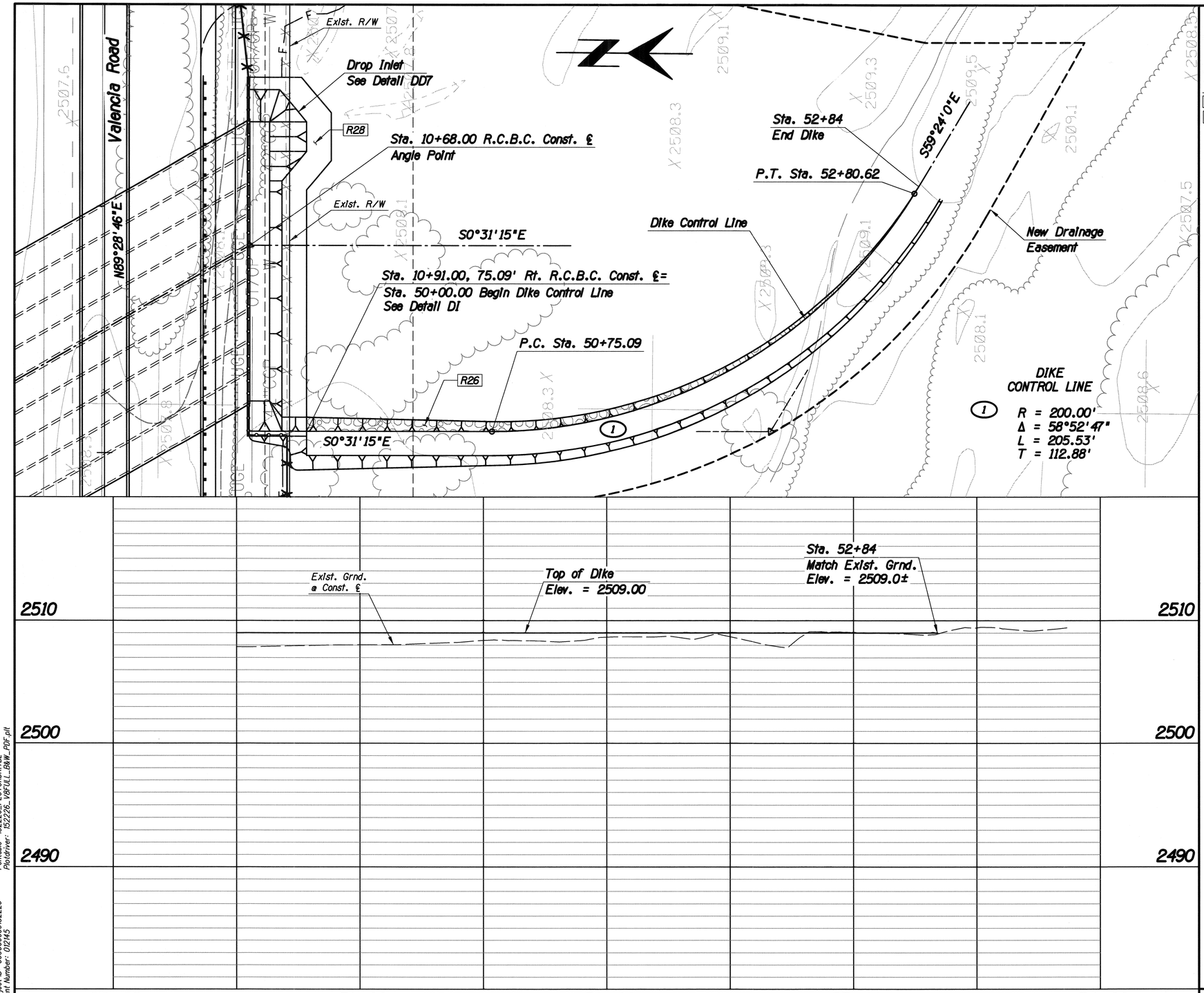


F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R26	30	C.Y.	Dumped Riprap
R28	408	S.Y.	Concrete Channel Lining

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF, BJP	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

5180J
ARTURO B. LEDESMA
ARIZONA, U.S.A.
Expires: 12-31-2015

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

BOX CULVERT NO. 7
STA. 310+50
SHEET 2 OF 2
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20' Vert. 1"=4'	Sheet D13 of D14	Page 129 of 281

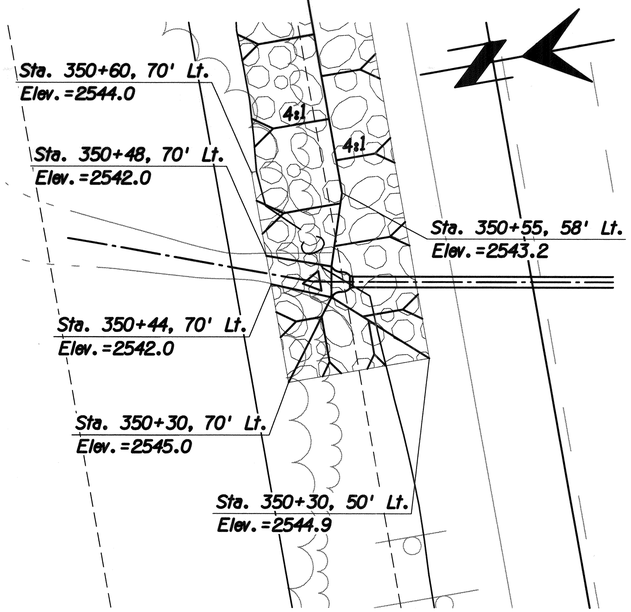
TRACS No. SS975 01C

Print Scale: 1:20

Project ID: 00000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

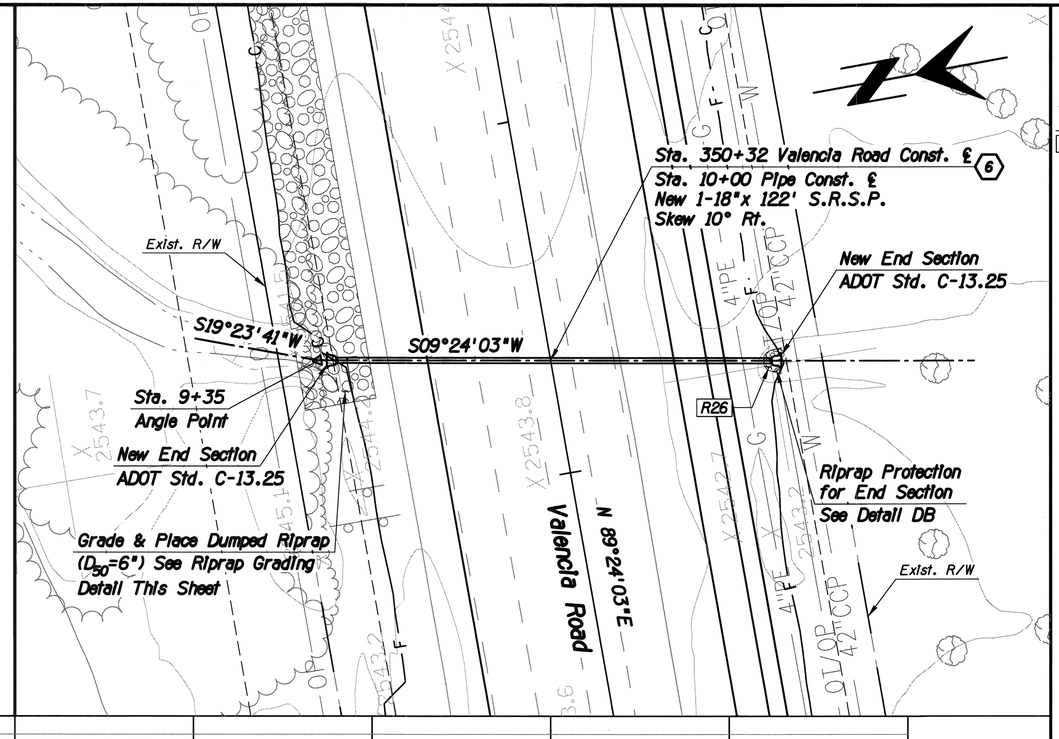
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C082

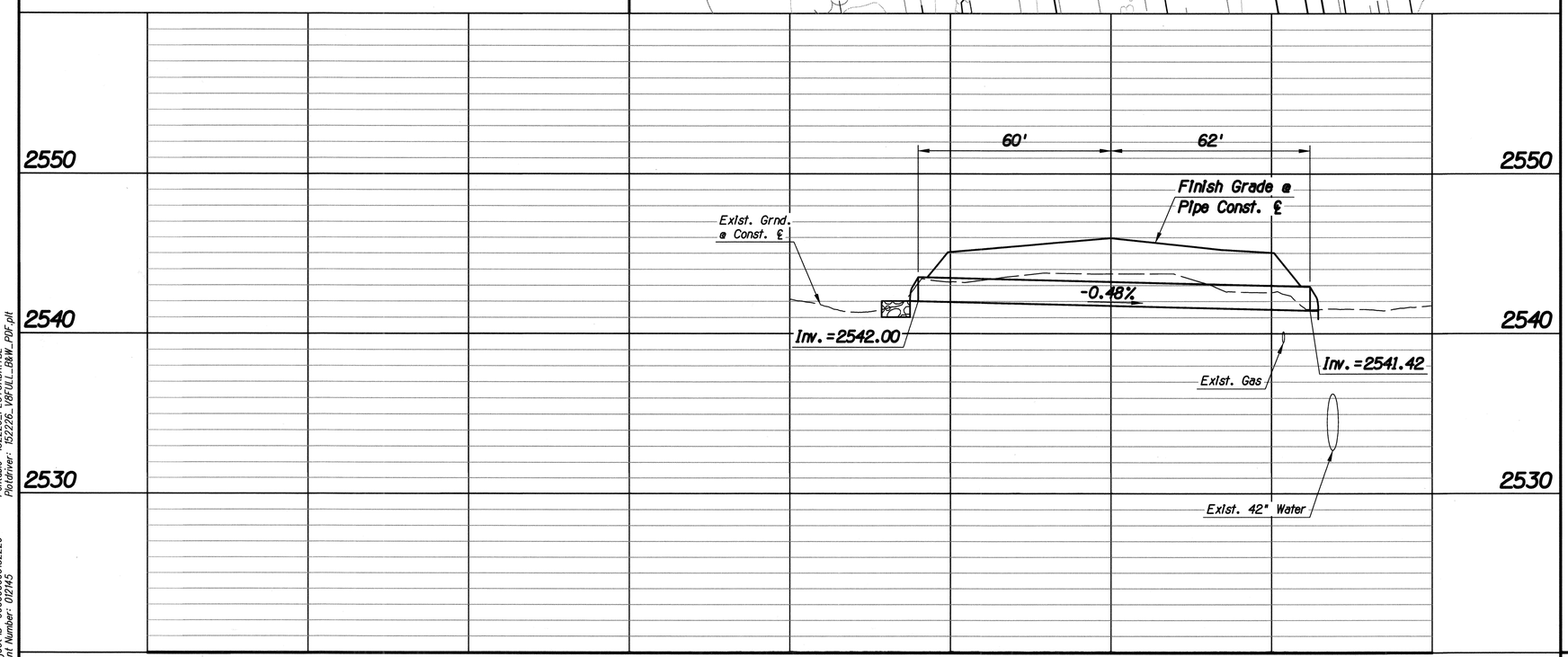
Printed By: jefrey Date: 7/21/2014 3:18:04 PM



Riprap Grading Detail

1"=10'





F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Item No.	Qty.	Unit	Description
R26	1	C.Y.	Dumped Riprap

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	BJP, JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

51803
ARTURO B. LEDESMA
Registered Professional Engineer
CERTIFICATE NO.
State of Arizona, U.S.A.
Expires: 12-31-

PIPE CULVERT NO. 6
STA. 350+32
CULVERT PLAN/PROFILE

Scales	Horiz. 1"=20'	Sheet D14 of D14	Page 130 of 281
	Vert. 1"=4'		

Print Scale: 1:20

TRACS No. SS975 01C

Project ID: 0000000152226
Client Number: 012145
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_VBFULL_B8W_PDF.plt
ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Drainage\Wade to Mark\11C-00.dgn
Model: B11C091
Printed By: jefrey
Date: 7/21/2014 3:18:05 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Station	Plan Reference	TYPE INSTALLATION														QUANTITIES*							REMARKS
		Sediment Berm				Sediment Wattle				Sediment Logs			Silt Fence										
		Left	Right	Spacing (ft)	▪	Left	Right	Spacing (ft)	Depth (ft)	Left	Right	Spacing (ft)	Left	Right	Spacing (ft)	Sediment Berm (ft)	Sediment Wattle (ft)	Cut & Fill Transitions (cy)	Sediment Logs (ft)	Silt Fence (ft)	End Sections (cy)	Headwalls (cy)	See Culvert Summary Sheets for additional references to Erosion Control details.
232+60										X								30					Detail EC1
232+70											X							15					Detail EC1
234+05						X										145							Detail EC2
234+75							X									10							Detail EC2
235+25							X									160							Detail EC2
235+70						X										30							Detail EC2
236+25						X										215							Detail EC2
236+85										X								30					Detail EC1
237+00											X							145					Detail EC1
237+15						X										145							Detail EC2
237+80						X										240							Detail EC2
237+90							X									15							Detail EC2
238+00						X										400							Detail EC2
238+20							X									75							Detail EC2
239+00							X									75							Detail EC2
239+95							X									170							Detail EC2
241+65											X							10					Detail EC1
241+75							X									455							Detail EC2
241+95										X								20					Detail EC1
242+15							X									1150							Detail EC2
246+55							X									310							Detail EC2
249+75							X									110							Detail EC2
252+80										X								20					Detail EC1
253+00						X										275							Detail EC2
253+75											X							110					Detail EC1
253+90						X										40							Detail EC2
254+25						X										135							Detail EC2
254+40						X										25							Detail EC2
254+45							X			X						25		10					Detail EC1, Detail EC2
254+80							X									50							Detail EC2
255+15						X										145							Detail EC2
255+20										X								10					Detail EC1
256+15										X								20					Detail EC1
256+65						X										390							Detail EC2
258+75											X							10					Detail EC1
260+40						X										295							Detail EC2
261+60							X									50							Detail EC2
262+90						X										130							Detail EC2
263+65						X										340							Detail EC2
264+55							X									40							Detail EC2
265+15							X									10							Detail EC2
266+35						X										350							Detail EC2
269+15						X										245							Detail EC2
270+95						X										340							Detail EC2
273+70						X										305							Detail EC2
276+40						X										140							Detail EC2
277+55						X				X						90		10					Detail EC1, Detail EC2
277+60						X										180							Detail EC2
SHEET TOTAL																7305		440					

Notes:
The placement of all Erosion Control Devices listed above will be Subject to change and may be adjusted by the field engineer in coordination with the project designer.

* Erosion Control Quantities will be determined by the field engineer.

▪ Maximum Height of 12 in., unless otherwise specified.

SWPPP SUMMARY SHEET

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
	JMF	JMF	RDB	RDB
Date	05/2011	05/2011	05/2011	05/2011

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 3-31-17 ARIZONA U.S.A.

Exp. 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

Scales	Horiz. 1"=NA Vert. 1"=NA	Sheet SW1 of SW16	Page 131 of 281

TRACS No. SS975 01C

Print Scale: 1:40

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BkW_PDF.plt
Project ID: 0000000052226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\16C-01.dgn
Model: 16C0101
Printed By: jefrey Date: 7/21/2014 3:28:07 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Station	Plan Reference	TYPE INSTALLATION														QUANTITIES*							REMARKS
		Sediment Berm				Sediment Wattle				Sediment Logs			Silt Fence			Sediment Berm (ft)	Sediment Wattle (ft)	Cut & Fill Transitions (cy)	Sediment Logs (ft)	Silt Fence (ft)	End Sections (cy)	Headwalls (cy)	
		Left	Right	Spacing (ft)	▪	Left	Right	Spacing (ft)	Depth (ft)	Left	Right	Spacing (ft)	Left	Right	Spacing (ft)								
278+30											X								80				Detail EC1
279+05							X									25							Detail EC2
279+90						X	X									230							Detail EC2
281+10										X									20				Detail EC1
281+25						X										750							Detail EC2
281+70											X								80				Detail EC1
284+05							X									245							Detail EC2
287+95						X										145							Detail EC2
288+95						X										115							Detail EC2
289+30										X									10				Detail EC1
289+40						X										505							Detail EC2
289+50											X								110				Detail EC1
290+10							X									10							Detail EC2
290+30							X									15							Detail EC2
290+45							X									125							Detail EC2
292+05							X									420							Detail EC2
293+05						X										400							Detail EC2
293+40										X									45				Detail EC1
293+60						X										75							Detail EC2
294+30										X									70				Detail EC1
295+40										X									55				Detail EC1
296+40											X								220				Detail EC1
297+05						X										920							Detail EC2
298+35							X									15							Detail EC2
298+60							X									1160							Detail EC2
305+95						X										380							Detail EC2
308+75						X				X						200			10				Detail EC1, Detail EC2
308+90						X										1330							Detail EC2
308+95										X									85				Detail EC1
310+15											X								170				Detail EC1
311+55							X									45							Detail EC2
312+00							X									1150							Detail EC2
322+40						X										270							Detail EC2
325+70						X										85							Detail EC2
332+25										X									5				Detail EC1
332+70										X									5				Detail EC1
335+80							X									15							Detail EC2
335+85						X										55							Detail EC2
336+65						X										160							Detail EC2
336+70							X									10							Detail EC2
338+60						X										270							Detail EC2
342+65						X										145							Detail EC2
345+25						X										290							Detail EC2
346+80											X								5				Detail EC1
347+70							X									260							Detail EC2
349+50						X										90							Detail EC2
350+20											X								5				Detail EC1
350+25							X									20							Detail EC2
SHEET TOTAL																9930			975				

See Culvert Summary Sheets for additional references to Erosion Control details.

Notes:
The placement of all Erosion Control Devices listed above will be Subject to change and may be adjusted by the field engineer in coordination with the project designer.

* Erosion Control Quantities will be determined by the field engineer.

▪ Maximum Height of 12 in., unless otherwise specified.

SWPPP SUMMARY SHEET

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

Designed	JMF	05/2011
Drawn	JMF	05/2011
Checked	RJB	05/2011
Proj. Engr.	RJB	05/2011

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Not Signed Until Final Date ARIZONA U.S.A.

Expires 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 394-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

Scales	Horiz. 1"=NA	Sheet SW2 of SW16	Page 132 of 281
	Vert. 1"=NA		

Print Scale: 1:40

TRACS No. SS975 01C

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt
Project ID: 0000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\16C-01.dgn
Model: 16C0102
Printed By: jefrey Date: 7/21/2014 3:28:10 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

Station	Plan Reference	TYPE INSTALLATION: Sediment Berm Left	Sediment Berm Right	Sediment Berm Spacing (ft) ▪	Sediment Wattle Left	Sediment Wattle Right	Sediment Wattle Spacing (ft)	Sediment Wattle Depth (ft)	Sediment Logs Left	Sediment Logs Right	Sediment Logs Spacing (ft)	Silt Fence Left	Silt Fence Right	Silt Fence Spacing (ft)	QUANTITIES*: Sediment Berm (ft)	Sediment Wattle (ft)	Cut & Fill Transitions (cy)	Sediment Logs (ft)	Silt Fence (ft)	End Sections (cy)	Headwalls (cy)	REMARKS
350+40								X									5					Detail EC1
350+70								X									20					Detail EC1
350+85						X									15							Detail EC2
352+70								X									15					Detail EC1
353+95						X									10							Detail EC2
354+30						X									225							Detail EC2
354+70								X									20					Detail EC1
356+45						X									250							Detail EC2
356+70								X									15					Detail EC1
358+70								X									20					Detail EC1
358+95						X									1020							Detail EC2
360+70								X									20					Detail EC1
362+70								X									15					Detail EC1
364+70								X									25					Detail EC1
366+70								X									30					Detail EC1
368+70								X									25					Detail EC1
Wade Road																						
10+85					X	X									970							Detail EC2
12+70						X									625							Detail EC2
Camino Verde																						
1+60					X	X									845							Detail EC2
2+40						X									235							Detail EC2
4+75						X									90							Detail EC2
5+80						X									140							Detail EC2
7+25						X									215							Detail EC2
SHEET TOTAL															4640		210					
TOTAL															21875		1625					

See Culvert Summary Sheets for additional references to Erosion Control details.

Notes:
The placement of all Erosion Control Devices listed above will be Subject to change and may be adjusted by the field engineer in coordination with the project designer.

* Erosion Control Quantities will be determined by the field engineer.

▪ Maximum Height of 12 in., unless otherwise specified.

SWPPP SUMMARY SHEET

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

No.	Revision Description	Engineer	Date

	Designed	JMF	05/2011
	Drawn	JMF	05/2011
	Checked	ROB	05/2011
	Proj. Engr.	ROB	05/2011

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed ARIZONA U.S.A.
Exp. no 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 547-3500

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=NA	Sheet SW3 of SW16	Page 133 of 281
	Vert. 1"=NA		

TRACS No. SS975 01C

Project ID: 0000000052226
Client Number: 012145

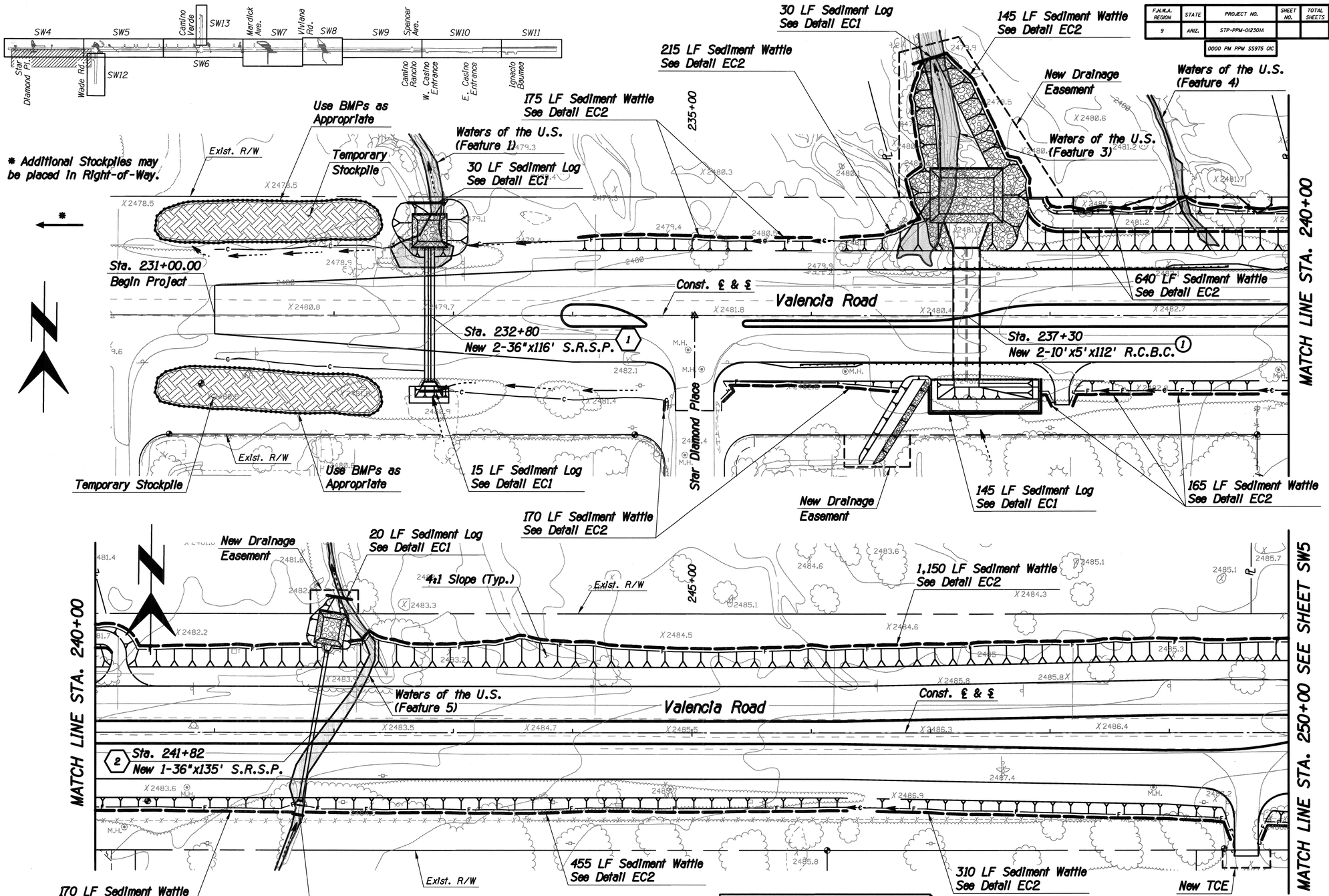
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\16C-01.dgn
Model: 16C0103

Printed By: jefrey Date: 7/21/2014 3:28:12 PM

Print Scale: 1:40

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0I230IA			
		0000 PM PPM SS975 OIC			



NOTE:

SEE SHEET SW13 FOR LEGEND.

STORMWATER POLLUTION PREVENTION PLANS

No.	Revision Description	Engineer	Date

Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

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

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVWW

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Licensed Professional Engineer
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 7-31-14
ARIZONA U.S.A.
Expires 9-30-17

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW4 of SW16	Page 134 of 281

TRACS No. SS975 01C

Project ID: 0000000000152226
Client Number: 012145

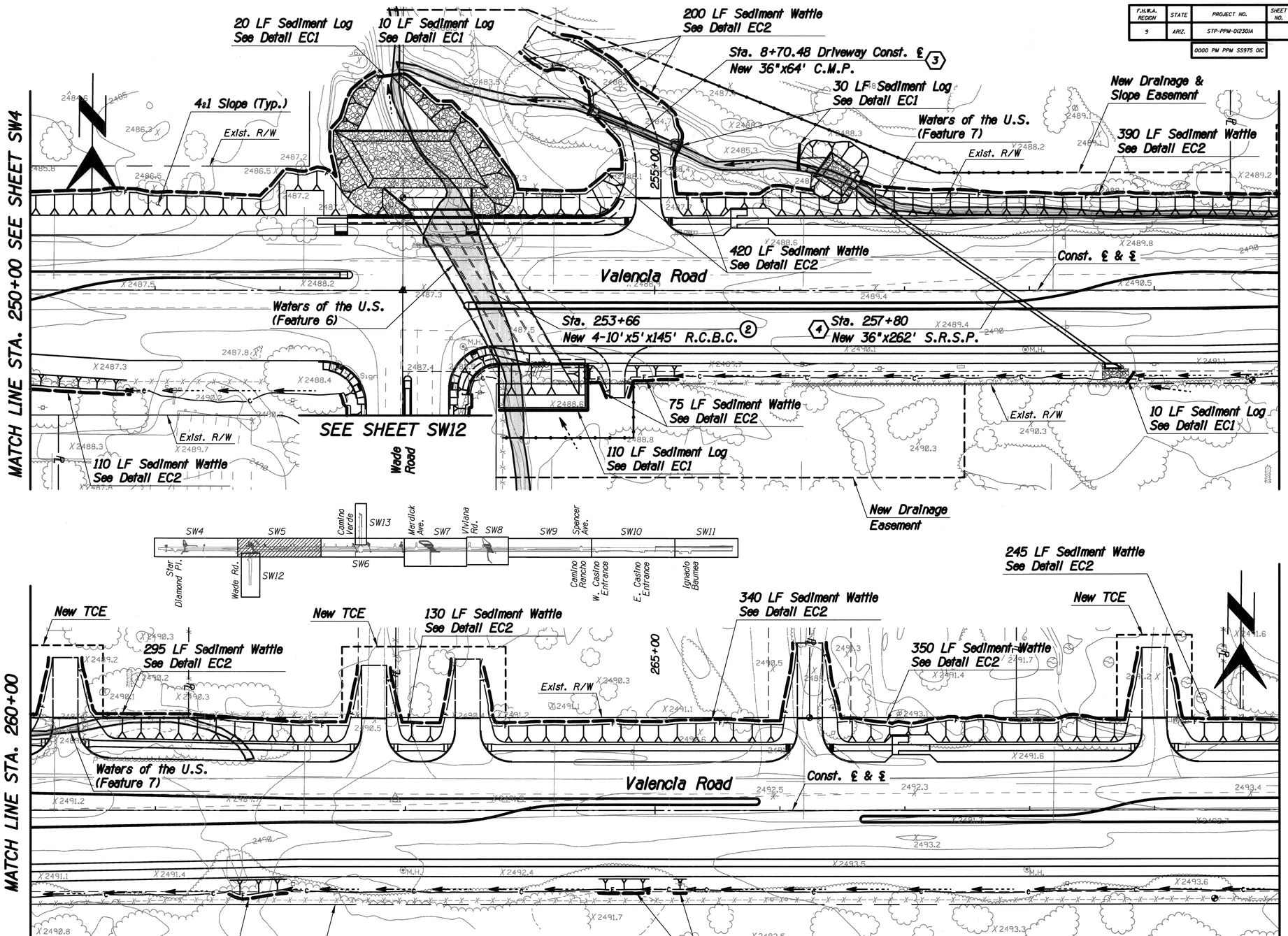
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0101

Printed By: jefrey Date: 7/21/2014 3:28:19 PM

Print Scale: 1:40

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-012301A			
		0000 PM PPM SS975 01C			



NOTE:
SEE SHEET SW13 FOR LEGEND.

STORMWATER POLLUTION PREVENTION PLANS

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 000000000152226
Client Number: 012145

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A.
Expires 3-31-17

HDR
HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW5 of SW16	Page 135 of 281

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0102
Printed By: jefrey Date: 7/21/2014 3:28:22 PM
Print Scale: 1:40
TRACS No. SS975 01C

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PIM-0123(A)			
		0000 PM PPM SS975 01C			

MATCH LINE STA. 270+00 SEE SHEET SW5

New TCE

340 LF Sediment Wattle
See Detail EC2

Exist. R/W

305 LF Sediment Wattle
See Detail EC2

New TCE

275+00

10 LF Sediment Log
See Detail EC1

Waters of the U.S.
(Feature 8)

230 LF Sediment Wattle
See Detail EC2

New TCE

New Drainage
Easement

180 LF Sediment Wattle
See Detail EC2

Camino Verde

SEE SHEET SW13

Const. ℄ & ℄

Valencia Road

③ Sta. 278+40
New 8'x4'x137' R.C.B.C.

Exist. R/W

New Drainage
Easement

80 LF Sediment Log
See Detail EC1

35 LF Sediment Wattle
See Detail EC2

260 LF Sediment Wattle
See Detail EC2

New Drainage
Easement

10 LF Sediment Log
See Detail EC1

20 LF Sediment Log
See Detail EC1

Waters of the U.S.
(Feature 9)

NOTE:

SEE SHEET SW13 FOR LEGEND.

New Drainage &
Slope Easement

750 LF Sediment Wattle
See Detail EC2

285+00

Exist. R/W

4:1 Slope (Typ.)

New TCE

MATCH LINE STA. 280+00

MATCH LINE STA. 290+00 SEE SHEET SW7

220 LF Sediment Wattle
See Detail EC2

Sta. 281+75
New 48"x135' S.R.S.P. ⑦

Valencia Road

Const. ℄ & ℄

245 LF Sediment Wattle
See Detail EC2

⑤ Sta. 289+55
New 6'x4'x119' R.C.B.C.

110 LF Sediment Log
See Detail EC1

New Drainage
Easement

Exist. R/W

80 LF Sediment Log
See Detail EC1

SW4 SW5 SW12 SW6 SW13 SW7 SW8 SW9 SW10 SW11

Star Diamond Pl. | Wade Rd. | Camino Verde | Mardick Ave. | Viviana Rd. | Spencer Ave. | Camino Rancho | W. Casino Entrance | E. Casino Entrance | Ignacio Baumea

STORMWATER POLLUTION PREVENTION PLANS

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil)
CERTIFICATE NO.
13762
ROBERT DEAN BRITTAIN
Date Signed 3-21-14
ARIZONA U.S.A.
Exp. 09 3-31-17

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW6 of SW16	Page 136 of 281

Print Scale: 1:40

TRACS No. SS975 01C

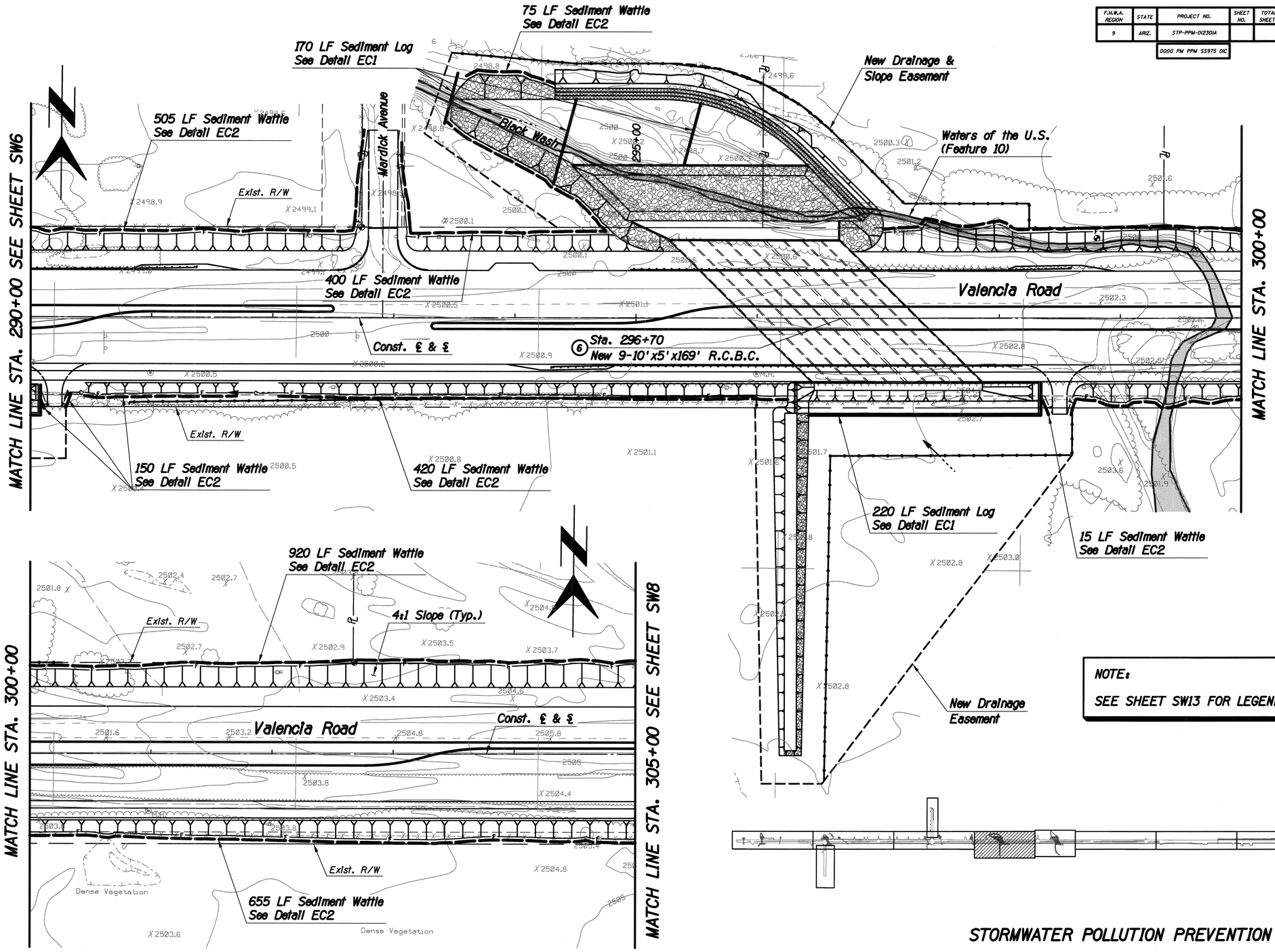
Project ID: 0000000052226
Client Number: 02145

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_BW.PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0103

Printed By: jefrey Date: 7/21/2014 3:28:25 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-01230IA			
		0000 PM PPM SS975 01C			



NOTE:

SEE SHEET SW13 FOR LEGEND.

STORMWATER POLLUTION PREVENTION PLANS

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-31-14 ARIZONA U.S.A. Expires 3-31-17

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

Pima County Department of Transportation

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW7 of SW16	Page 137 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0104

Printed By: jefrey Date: 7/21/2014 3:28:27 PM Print Scale: 1:40

TRACS No. SS975 01C

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

95 LF Sediment Log
See Detail EC1

New Drainage
Easement

Waters of the U.S.
(Feature 12)

580 LF Sediment Wattle
See Detail EC2

700 LF Sediment Wattle
See Detail EC2

MATCH LINE STA. 305+00 SEE SHEET SW7

MATCH LINE STA. 315+00 SEE SHEET SW9

Viviana Road

Exist. R/W

310+00

Const. ℄ & ℄

Valencia Road

Sta. 310+50
(7) New 9-10'x5'x136' R.C.B.C.

4:1 Slope (Typ.)

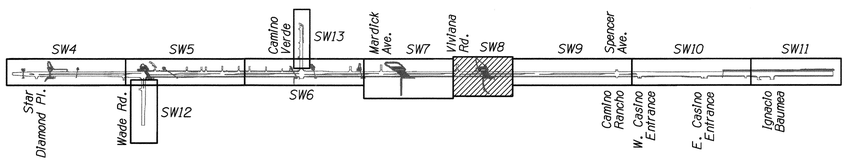
505 LF Sediment Wattle
See Detail EC2

170 LF Sediment Log
See Detail EC1

365 LF Sediment Wattle
See Detail EC2

New Drainage
Easement

NOTE:
SEE SHEET SW13 FOR LEGEND.



STORMWATER POLLUTION PREVENTION PLANS

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	ROB	03/2014
Proj. Engr.	ROB	03/2014

Registered Professional Engineer
Certificate No.
13762
ROBERT DEAN BRITTAIN
Date Signed
ARIZONA U.S.A.
6-pages 3-31-17

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW8 of SW16	Page 138 of 281

Print Scale: 1:40

TRACS No. SS975 01C

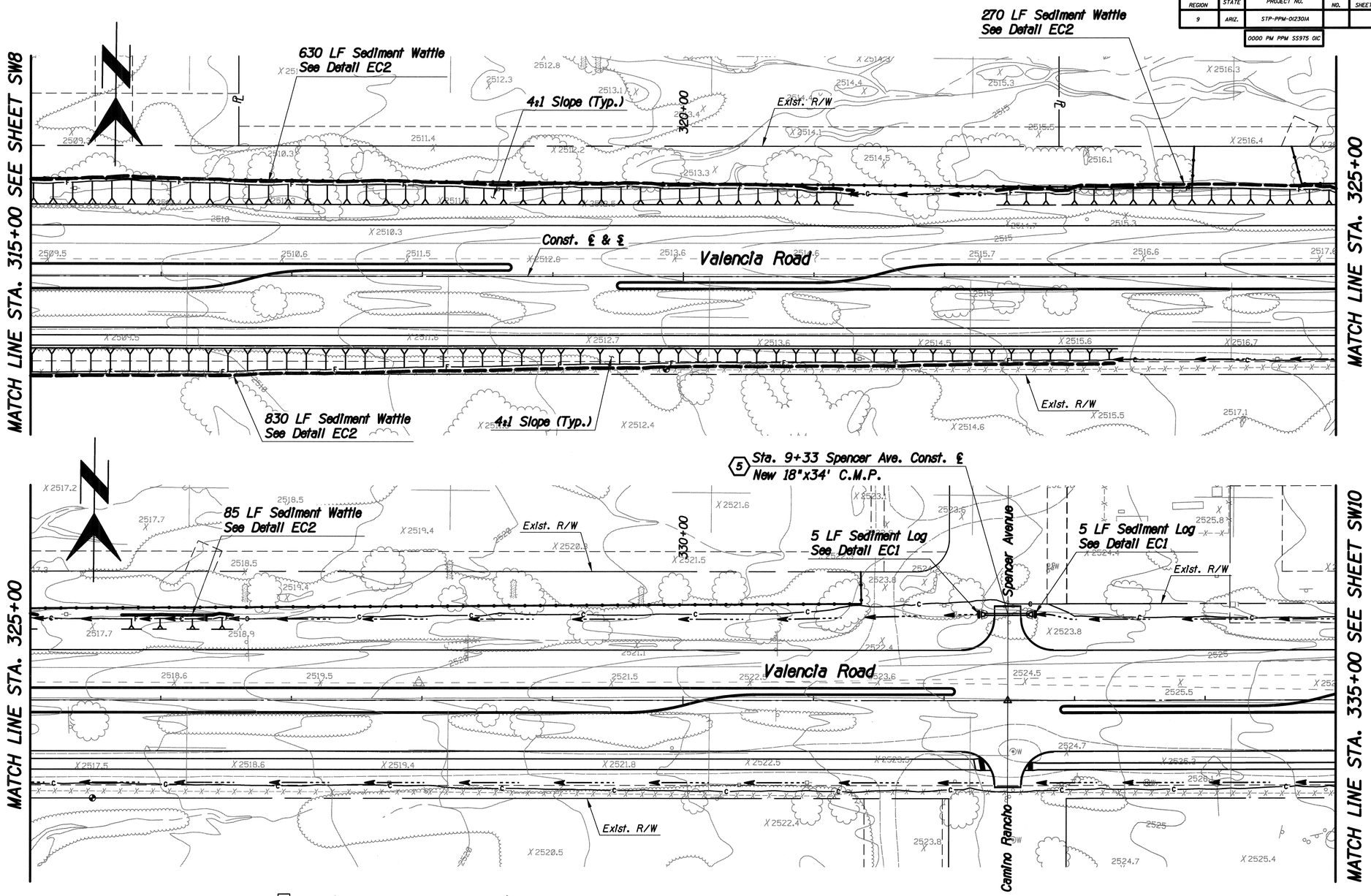
Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8XGL_BW_PDF.plt

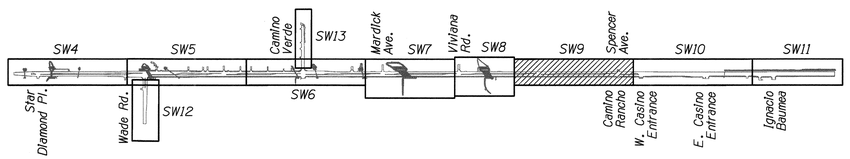
Project ID: 00000000152226
Client Number: 01245

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0105

Printed By: jefrey Date: 7/21/2014 3:28:30 PM

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-01(230)A			
		0000 PM PPM SS975 01C			





NOTE:

SEE SHEET SW13 FOR LEGEND.

STORMWATER POLLUTION PREVENTION PLANS

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	RDB	03/2014
Proj. Engr.	RDB	03/2014

Registered Professional Engineer (Civil) CERTIFICATE NO. 13762 ROBERT DEAN BRITTAIN Date Signed 7-21-14 ARIZONA U.S.A.

Expires 3-31-15

Pima County Department of Transportation

HDR

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW9 of SW16	Page 139 of 281

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V8FULL_B&W_PDF.plt

Project ID: 000000000152226
Client Number: 012145

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0106

Printed By: jefrey Date: 7/21/2014 3:28:32 PM Print Scale: 1:40

TRACS No. SS975 01C

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	STP-PPM-0(230)A			
		0000 PM PPM SS975 01C			

MATCH LINE STA. 335+00 SEE SHEET SW9

215 LF Sediment Wattle
See Detail EC2

4:1 Slope (Typ.)

340+00

270 LF Sediment Wattle
See Detail EC2

Exist. R/W

145 LF Sediment Wattle
See Detail EC2

25 LF Sediment Wattle
See Detail EC2

Const. ℄ & ℄

Valencia Road

West Casino Entrance

New TCE

Exist. R/W

MATCH LINE STA. 345+00

SW4 SW5 SW6 SW7 SW8 SW9 SW10 SW11 SW12 SW13

Star Diamond Pl. | Wade Rd. | Camino Verde | Mardick Ave. | Vivlana Rd. | Spencer Ave. | Camino Rancho | W. Casino Entrance | E. Casino Entrance | Ignacio Baumea

NOTE:

SEE SHEET SW13 FOR LEGEND.

MATCH LINE STA. 345+00

290 LF Sediment Wattle
See Detail EC2

90 LF Sediment Wattle
See Detail EC2

Exist. R/W

350+00

Waters of the U.S.
(Feature 13)

25 LF Sediment Log
See Detail EC1

35 LF Sediment Log
See Detail EC1

Valencia Road

5 LF Sediment Log
See Detail EC1

Sta. 350+32
New 18"x122' S.R.S.P.

6

East Casino Entrance

New TCE

260 LF Sediment Wattle
See Detail EC2

35 LF Sediment Wattle
See Detail EC2

Exist. R/W

235 LF Sediment Wattle
See Detail EC2

New TCE

5 LF Sediment Log
See Detail EC1

MATCH LINE STA. 355+00 SEE SHEET SW11

STORMWATER POLLUTION PREVENTION PLANS

No.	Revision Description	Engineer	Date

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

		Date
Designed	JMF	03/2014
Drawn	JMF	03/2014
Checked	ROB	03/2014
Proj. Engr.	ROB	03/2014

Arizona Professional Engineer Civil
CERTIFICATE NO. 13762
ROBERT DEAN BRITTAIN
Date Signed 7-21-14
ARIZONA U.S.A.
Expires 3-31-15

HDR Engineering, Inc.
5210 East Williams Circle, Suite 530
Tucson, AZ 85711-4459
(520) 584-3600

VALENCIA ROAD
WADE ROAD TO MARK ROAD
PROJECT NO. 4RTVMW

Scales	Horiz. 1"=40' Vert. 1"=4'	Sheet SW10 of SW16	Page 140 of 281

Print Scale: 1:40

TRACS No. SS975 01C

Project ID: 0000000152226
Client Number: 012145

Pentable: 152226_PLOTORDR.TBL
Plotdriver: 152226_V6FULL_B&W_PDF.plt

ProjectWise Directory: Pima_County_Dept_of_Transportation\PCDOT_Valencia_Mtn_Eagle_Mark\13.00_CAD\Construction Documents\Civil\Wade to Mark\12C-01.dgn
Model: B12C0107

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