VALENCIA ROAD
WADE ROAD TO AJO HIGHWAY
GENERAL DESCRIPTION OF PROJECT

The overall project consists of widening approximately 2.85 miles of the Valencia Roadway from two lanes to four lanes of traffic from the intersection of Ajo Highway (SR 86) and matching into the existing 4-lane divided section west of the Valencia and Wade Road intersection.

PROJECT NUMBER
4RTVWE

LOCATION MAP

LOCATION
Pima County, Arizona

INDEX TO PLAN SHEETS

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1 CV1 Cover Sheet
2-3 DS1-DS2 Design Sheet
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9-20 GC1-GC12 Geometric Control Plans
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34-56 C1-C23 Roadway Plans
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63 LS1 Landscaping Plans
84-98 PM1-PM15 Pavement Marking Plans
99-223 XS1-XS123 Cross Sections

INDEX TO PLAN SHEETS
1" = 300'

PM13

PCRWRD #UPC-2016-035

Sections 7, 8, 9, 16, 17, 18 of
T-15-S, R-11-E
Sections 12, 13 of
T-15-S, R-12-E
G & S R B & M

Pima County Department of Transportation
251 N. Stone Ave. 4th floor
Tucson, Arizona 85701
Phone Number: 724-6410

Reviewed by
Engineer
Date
No.
Revisions
Engineer
Date
No.
Engineer
Date

As Built
Sheet No.       of
Page No.     of
Project No.
4RTVWE

File name: 022048cv01.dgn

Approved: 20

Director

Pima County Board Of Supervisors
Sharon Bronson, Chair, District 3
Ally Miller, District 1
Ramon Valadez, District 2
Ray Carroll, District 4
Richard Elias, District 5
This Project is Located Within Supervisor District 3

Ray Carroll, District 4        Richard Elias, District 5
Ally Miller, District 1      Ramon Valadez, District 2
Sharon Bronson, Chair, District 3

204
2435.03
204
2435.03
50+00
230
2473.27
230
2473.27
VALENCIA ROAD
WADE ROAD TO AJO HIGHWAY

VALENCEIA ROAD - WADE ROAD TO AJO HIGHWAY - PROJECT NO. 4RTVWE

Kimley-Horn

1100 N. Stone Ave. 4th Floor
Tucson, Arizona 85701
Phone Number: 724-6410

PM13

PCRWRD #UPC-2016-035

Sections 7, 8, 9, 16, 17, 18 of
T-15-S, R-11-E
Sections 12, 13 of
T-15-S, R-12-E
G & S R B & M

Pima County, Arizona

PM13

PCRWRD #UPC-2016-035
GENERAL NOTES
1. Construction shall be in conformance with the specifications and details listed in the special provisions.

2. Utility locations shown on the plans were compiled based on the best information available to the department, utility locations are not intended to be exact or complete. Prior to commencing construction, the contractor shall verify the location of all utilities with the appropriate organizations, Contact "Blue Stake" at 1-800-782-5348 two full working days prior to beginning construction (Saturdays and Sundays are not considered working days).

3. Right-of-way encroachments shall be removed only by order of Pima County, unless otherwise noted.

4. Removal of all existing and native plants shall be in accordance with the provisions of the "Arizona Native Plant Law" A.R.S. Chapter 7.

5. Horizontal Control for this project is based on Project 4RTVMW OPUS control point "FYB1", as shared through NGS. Monument is a 3-1/4" aluminum cap with magnetic stem set flush in top of concrete embankment lining on east side of detention basin. Monument is 300° +7/8 south of the south edge of pavement of Valencia Rd at the intersection with Mountain Eagle Dr, and 300° +7/8 - south of the south 1/4 corner of Section 8, T16S, R3E.

6. Basis of Bearing: The basis of bearing for this project is Grid North as defined by the Arizona State Plane Coordinate System, Central Zone, MAD 83(2011).

7. Basis of Elevations: The basis of elevation for this project is based on NAVD 88 (computed using GEOID2008), The Benchmark is OPUS control point "FYB1", with an orthometric elevation of 2464.55 feet.

8. Basis of coordinates: The published Combined Factor for this point is 0.99985285. The Grid Northing is 412777.48 international feet. The Grid Easting is 940293.23 international feet.

Surface coordinates for this project were derived as follows:

GM = Grid Northing, SE = Grid Easting
SM = Surface Northing, SE = Surface Easting
CF = Combined Factor
SM = IGN/CF 400,000

SE = (GE/CF) 900,000

Surface coordinates for "FYB1" are:
SN = Surface Northing, SE = Surface Easting
GM = Grid Northing, SE = Grid Easting
CF = Combined Factor
SM = IGN/CF 400,000

SE = (GE/CF) 900,000

9. Basis of stationing: Stations for Valencia Road increase from west to east. Stationing is based on the Section Corner at the intersection of Wade Road equal to Station 298+98.18 as originally established by Project 4RTVMW.

10. Soils information will be made available to prospective bidders in the geotechnical report. Soils information so provided shall be for informational purposes only. This information was developed as accurately as possible by the methods used. Pima County accepts no responsibility for any conditions encountered which vary from the information provided.

11. The contractor shall maintain access to all driveways, alleys, and mailboxes during construction. The contractor will not restrict emergency vehicles, U.S. Postal Delivery, solid waste collections, and/or access to the adjacent properties, except as approved by the engineer.

12. Omissions or conflicts between the various elements of the drawings, notes, or details shall be brought to the attention of the engineer.

13. All stationing shown on the plans and profiles is along the construction centerline unless otherwise noted.

14. Existing utilities include, but may not be limited to, overhead and underground electric, telephone, television, sewer, gas, and water, and shall be moved by others unless otherwise noted and shown in these plans.

15. The contractor's attention is called to the limited area available on the site for excavation, embankment and other construction activities.

16. Existing topographic conditions shown on plan sheets reflect conditions as of March 17, 2016.

17. Special consideration should be given to access roads that do not provide a secondary access detour. These roads include Vahalla and Wade roads.

18. For all milling or pulverizing activities, the roadway surface shall be kept sufficiently wet so as to prevent the generation of any visible fugitive dust particles but not so wet as to cause excess runoff from the roadway surface onto the roadway shoulder.
Total Pavement Thickness = 17"

SECTION NO. 1A
Valencia Road
SR86 to Reed Bunting
Drive/Via Molino De Viento

2" PAG A.C. (No. 2 PG 76-22TR+)
3" PAG A.C. (No. 1 PG 70-10)

12" A.B.C.
24" Barrow
R=35
Geogrid

8' Rip & Recompact
95% of Standard Proctor

Total Pavement Thickness = 18"

SECTION NO. 1B
Valencia Road
Head Bunting Drive/Via Molino De Viento to Star Diamond

2.5" PAG A.C. (No. 2 PG 76-22TR+)
4" A.B.C.

Tax 6" Subgrade
100% Compaction

Total Pavement Thickness = 8"

SECTION NO. 2
Valencia Road and Iberia Avenue

5" A.B.C.

VALENCIA ROAD

Total Pavement Thickness = 6.5"

SECTION NO. 3
Paved Driveways & Local Roads

2.5" PAG A.C. (No. 2 PG 76-22TR+)

4" A.B.C.

Total Pavement Thickness = 2"

SECTION NO. 4
Multi-Use Path

3" PAG A.C. (No. 3)

4" A.B.C.

VALENCIA ROAD

Total Pavement Thickness = 2"

SECTION NO. 5
Unpaved Drainage Maintenance Driveways

4" PAG A.C. (No. 1 PG 70-10)

Geogrid

12" A.B.C.

VALENCIA ROAD

ABBREVIATIONS NOT INCLUDED IN PAG STD. DTL. 101

Aluminum Cap on Pipe
Abandoned
Asphalt Rubber Asphaltic Concrete
Correction
Decomposed Granite
Detail
Drainage Easement
Edge Of Pavement
General Land Office
Intelligent Traffic System

A.C.P.
ARMAC
Corr.
D.G.
D.E.
E.P.
G.L.O.
ITS

Median
Point Of Compound Curve
Point Of End
Reduced Pavement Marker
Shoulder
Spiral Rip Pipe
Standard
Steel Pipe Arch
Temporary Construction Easement
Vertical Curve

Med.
P.C.C.
P.O.E.
R.P.M.
S.
S.R.P.
S.
S.P.A.
S.C.E.
V.C.

Finished Grade
10' Lt.
10' Rt.

Left Median Edge Control
See Sheets C2 and C20

VALENCIA ROAD
Left Median Edge Control

Design Grade
2% to Grade Break

Grade Break
2% to Grade Break

New Conc. Vertical Curb
Type I, h=6' (Typ.)
PAG Std. Dtl. 229

Valencia Road
SR86 to Star Diamond
Reed Bunting Drive/Via Molino
SR86 to Reed Bunting
Drive/Via Molino De Viento to Star Diamond

Kaney Consultants
City of Tucson Department of Transportation
Project No. 4RTVWE
Valencia Road to Wade
Valencia Road to Ajo Highway

Priscilla S. Cornelo, P.E., Director

Human Rights Commissioner

12/20/16
12/20/16
12/20/16
12/20/16
Begin 45:1 Taper
Sta. +10.32, 39.00' Lt

Begin 45:1 Taper
Sta. +75.32, 42.00' Lt

Begin 135:1 Taper
Sta. +10.11, 39.00' Rt

Begin 135:1 Taper
Sta. +75.11, 40.00' Rt
Begin 15:1 Taper
Sta. +39.62, 51.00' Lt
End 15:1 Taper
Sta. +19.62, 39.00' Lt

-Mailbox Pullout
Sta. +42.47, 39.00' Rt
-Mailbox Pullout
Sta. +36.47, 45.00' Rt
-Mailbox Pullout
Sta. +00.47, 39.00' Rt
-Mailbox Pullout
Sta. +06.47, 45.00' Rt
NOTES:
1. All sign removal information will be shown on Signing Plans.
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### REMOVAL & RELOCATION NOTES

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<td>Sawcut Pavement</td>
<td>LF</td>
<td>XX</td>
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<tr>
<td>2</td>
<td>Removal of Bluffous</td>
<td>SY</td>
<td>X,XXX</td>
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<td>LF</td>
<td>XX</td>
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<tr>
<td>5</td>
<td>Removal of Sidewalk</td>
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<td>XX</td>
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### NOTES:

1. All sign removal information will be shown on Signing Plans.

---

**MACHINE STA 48+00 SEE SHEET DM12**

**EXIST R/W**

**EXIST R/W**

**EXIST R/W**

**EXIST R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

**BED, R/W**

### NOTES:

1. All sign removal information will be shown on Signing Plans.
MATCHLINE STA 97+00 SEE SHEET C2

MATCHLINE STA 105+00 SEE SHEET C4

Valencia Road

Exist. 42" Water

Finish Grade @ Const. \
Q = 520 cfs

New R/W

Ordinance No. 2009-41
Rezoning Condition

New 3-10'x4' R.C.B.C.
Insulated Green Bond

Q = 520 cfs

Const. & S.L. Exist. R/W

New 3-10'x4' R.C.B.C.

Valencia Road

Federal Land

Paving Plan/Profile
STA. 97+00 TO 105+00

West

East

97+00
98+00
99+00
100+00
101+00
102+00
103+00
104+00
105+00

2450
2440
2430
2420

2450
2440
2430
2420

97+00
98+00
99+00
100+00
101+00
102+00
103+00
104+00
105+00
### PAVING CONSTRUCTION NOTES

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<td></td>
<td>Vertical Curb, Type 1 Per Pad Std DR 609</td>
<td>LF</td>
<td>x,xxx</td>
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<tr>
<td></td>
<td>AC Pave &amp; AB Per Struc Sec No. 1B</td>
<td>SY</td>
<td>x,xxx</td>
</tr>
<tr>
<td></td>
<td>AC Pave &amp; AB Per Struc Sec No. 4</td>
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<td>x,xxx</td>
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### LEAVE = 2482.52

- STA 229+69.18, 10' Lt.
- STA 232+00.00, 10' Lt.
- STA 232+50.00, 10' Lt.
- STA 235+25.00

### STA 235+25.00 END PROJECT 4RTVWE

- STA 235+25.00
- STA 235+25.00
- STA 235+25.00

### PAVING PLAN/PROFILE

- STA 229+00 to 237+00

---

*Contact Arizona 811 at least two full working days before you begin excavation.*

**Call 811 or click Arizona811.com**

*# 4 R T V W E Engineer*
Rev 0

Description:

2016
K:\TUC_Roadway\098022048_Valencia-Wade to Ajo Way\CADD\Sheet Files\Sideroads\h022048sr01.dgn

2480
2470
2460
2450
2440
2430
2420
2410
2400
2390
2380
2370
2360
2350
2340
2330
2320
2310
2300
2290
2280
2270
2260
2250

33-00 34-00 35-00 36-00 37-00 38-00 39-00 40-00 41-00

35-00

+125' Vehalia Road

PC 37+66.25

Const. E

Exit, R/W

Section Line

PC 37+66.25

10" c.c.

PVC 38+30.74

39+00

SSDs=1770'

Elev = 2478.46

RT. E.P. Corr = 0.49'

+0.0200'

2470

Paving Construction Notes:

Struc Sec No. 2

Horiz. 1"=40'

STA. 33+00 TO 41+00

Paving Plan/Profile

VAHALLA ROAD

C21

Working days before you begin excavation

QTY

Paving Construction Notes

Valencia Road

520) 615-9191 Fax (602) 944-7423

12/2016

D. Bacon

R. Solis

12/2016

CONSTRUCTION

Free County Department of Transportation

Keaney

Plano VALENCIA ROAD

VAHALLA ROAD TO AC

PROJECT NO. 4RTVWE

MILE ROAD TO AC HIGHWAY

PROJECT NO. 4RTVWE

223

Microstation, Inc.

Page 54 of 223
Contact Arizona 811 at least two full working days before you begin excavation.

Call 811 or click Arizona811.com.

CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to reduce 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 in close proximity to these limits. Extra care shall be taken when placing and re-anchoring soils immediately adjacent to these non-disturbance limits.

LEGEND
- 2'-Foot Disturbance Limit
- 3'-Foot Disturbance Limit

DRAINAGE CONSTRUCTION NOTES

<table>
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<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>Concrete Channel Lining</td>
<td>SY</td>
<td>1</td>
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</table>

Existing E.P.

New E.P.

New Drop Inlet

NEW 1-8'x4'x203' R.C.B.C.

FIN

CONSTRUCTION NOTES

SY

UNIT

QTY

Concrete Channel Lining

1
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance above the top of pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance areas. Contractor shall also take extra care when scarifying and re-compacting soils immediately adjacent to these non-disturbance limits.

**CAUTION**

Contractor shall take extra care when Scarification/Non-Disturbance Units. Contractor shall take extra care when Scarification/Non-Disturbance Units.

**LEGEND**

- 2'-Foot Disturbance Limit
- 3'-Foot Disturbance Limit

**Drainage Construction Notes**

<table>
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<tr>
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<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>Concrete Channel Lining</td>
<td>SY</td>
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</tbody>
</table>

**Description**

- STA 100+77 Valencia Road Const. \
- New 3-10'x4'x114' R.C.B.C.

**Plan/Profile STA 20+00**

- New R/W
- R.C.B.C. Const. \
- Exist. R/W
- 25'
- 100'
- 75'
- Exist. Rd.

**Figures**

- 58'
- 56'
- 1.00%
- 15'
- 59'

**Dimensions**

- Inv.=2431.03
- Inv.=2432.17
- New E.P.
- New Drop Inlet

**Note**

- See Caution Note Shown to the Right
- Finish Grade @ 58'
- 4' Cut-off Wall
- 6' Cut-off Wall

**Legend**

- Box Culvert No. 2
- STA, 100+77
- Culvert Plan/Profile

**Scales**

- 12"=1'-0" Vert. 1"=4' Horiz. 1"=20'
CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 5' 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 guard against any degradation in the limits of the non-disturbance area. Contractor shall also maintain additional clearances that could be created by equipment working adjacent to or within the limits of non-disturbance requirements. Extra care shall be taken when locating and maintaining soils immediately adjacent to these non-disturbance limits.

LEGEND
- 2' Disturbance Limit
- 3' Disturbance Limit
- Erase Line
- Horizontal Non-Disturbance Limits
- Non-Disturbance Limits

PIPE CULVERT NO. 3A
STA. 114+48
CULVERT PLAN/PROFILE

Q = 179 CFS
V = 8.9 fps
H = 2443.3
Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.

CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance above the top of pipe. Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance with excavating immediately adjacent to these non-disturbance limits. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to avoid any degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to the non-disturbance areas. Contractor shall also minimize the time associated with any re-compacting soils immediately adjacent to these non-disturbance limits.

LEGEND
- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit

PIPE CULVERT NO. 3B
STA. 117+95
DRAINAGE CONSTRUCTION NOTES

CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance above the top of pipe. Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance with excavating immediately adjacent to these non-disturbance limits to avoid any degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be created by equipment working adjacent to the non-disturbance limits. Contractor shall take extra care and minimize the time associated with re-compacting soils immediately adjacent to these non-disturbance limits.
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 6' vertical non-disturbance clearance above the CCP. No of pipe AND a minimum of 3' horizontal non-disturbance adjacent to the pipe. Contractors shall also take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits. To avoid any degradation in the limits of the non-disturbance area, contractor shall also eliminate additional cuttings that could be created by equipment working adjacent to or in the non-disturbance area. Extra care shall be taken when placing and compacting soils immediately adjacent to these non-disturbance limits.

**LEGEND**

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit
- PIPE CULVERT NO. 3C
- STA. 122+70
- DRAINAGE PLAN/PROFILE

**NOTES**

- See Caution Note Shown to the Right
- Exist. 42" Water Main
- Inv.=2440.91
- Inv.=2441.45
- Finish Grade @ 0.50
- 5' Cut-off Wall
- 6' Cut-off Wall

**CAUTION**

- Contractors shall take extra care when scarifying and minimizing the time associated with excavating immediately adjacent to these non-disturbance limits.
Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.

**LEGEND**

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit
- Pipe Culvert No. 4

**CAUTION**

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 2' horizontal non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance clearance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to avoid any degradation in the limits of the non-disturbance area. Contractor shall also maintain additional clearances that could be created by equipment working adjacent to or within these non-disturbance limits. Extra care shall be taken when planning and re-nailing field notes immediately adjacent to these non-disturbance limits.

**FIN**

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit
- Pipe Culvert No. 4

**NOTE**

- STA, 131+84
- Culvert Plan/Profile

**NOT FOR CONSTRUCTION OR RECORDING**
CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits along the CCP and a minimum of 3' vertical non-disturbance limits adjacent to the CCP. Contractor shall take reasonable additional steps to monitor and protect soils associated with scarifying or excavation adjacent to these non-disturbance limits to guards against degradation in the limits of the non-disturbance area. Contractor shall also minimize additional footings that could be created by equipment working adjacent to or on the non-disturbance area. Contractor shall exercise reasonable care when placing and removing equipment adjacent to these non-disturbance limits.

LEgend

- 2' Disturbance Limit
- 3' Disturbance Limit

BOX CULVERT NO. 5
STA. 134+20
CULVERT PLAN/PROFILE

Scales

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<thead>
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<th>Scale</th>
<th>Units</th>
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<tbody>
<tr>
<td>1:40</td>
<td>Feet</td>
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</table>

Note:

- 4" Cut-off Wall
- New Drop Inlet
- New E.P.
- R.C.B.C. Const.
- Valencia Road Const.
- Federal Land
- Exist. Grnd.
- New R/W
- Exist. R/W
- New Liner
- New E.P.
- New R/W
- Exist. 42" Water
- New R/W
Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.

CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 3' horizontal non-disturbance clearance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to prevent any 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 directly on top of the non-disturbance area. Extra care shall be taken when placing and re-creating soils immediately adjacent to these non-disturbance limits.

LEGEND

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit
- 3-Foot Non-Disturbance Limit
- 2-Foot Non-Disturbance Limit

DRAINAGE CONSTRUCTION NOTES

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<tbody>
<tr>
<td>1</td>
<td>Concrete Channel Lining</td>
<td>SY</td>
<td>1</td>
</tr>
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Sta. 142+85 Valencia Road Constructed
New E.P.

3-Foot Disturbance Limit
2-Foot Disturbance Limit

Valencia Road Const.
E

New E.P.

S 30°33'48" E

Ste. 20+63.00
Angle Point

Non-Disturbance Limits

Scarification/Non-Disturbance Limits

See Caution Note Shown to the Right

Skew 30° Lt.

New Drop Inlet

Valencia Road

Height = 5.6 ft
2448.03
143+00

Federal Land

End.

2470
2460
2450
2440
200
2100
2200
1800
1900
2000

0.50'

4' Cut-off Wall

6' Cut-off Wall

Exist. R/W

Exist. R/W

Finish Grade @ 63'

Non-Disturbance Limits

Scarification/Non-Disturbance Limits

See Caution Note Shown to the Right

New 42" Water

New R/W

New E.P.

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

CULVERT PLAN/PROFILE
STA. 142+85
BOX CULVERT NO. 6A

Sta. 20+63.00
New E.P.

S 0°33'48" E

Sta. 20+00
Angle Point

Non-Disturbance Limits

Scarification/Non-Disturbance Limits

See Caution Note Shown to the Right

New 42" Water

New R/W

New E.P.
CAUTION
Contractor shall be aware that the 42" CCP has been designated as a critical area where construction activities will not be allowed. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to avoid any degradation in the limits of the non-disturbance area. Contractor shall also minimize additional earthwork that could be created by equipment working adjacent to or near the pipe. Contractor shall take extra care when placing and compacting soils immediately adjacent to these non-disturbance limits.

LEGEND
2-Foot Disturbance Limit
3-Foot Disturbance Limit

3' Cut-off Wall
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance above the 42" CCP and a minimum of 3' vertical non-disturbance clearance adjacent to the pipe. Contractor shall take all necessary steps to protect the CCP with accompanying immediately adjacent to these non-disturbance limits to prevent any degradation in the lining of the CCP. Contractor shall also maintain additional clearances that could be created by equipment working adjacent to or above the non-disturbance limits. Extra care shall be taken when planning and constructing soils immediately adjacent to these non-disturbance limits.

**LEGEND**

- **2-Foot Distance Limit**
- **3-Foot Distance Limit**

**PIPE CULVERT NO. 8A**

**STA. 161+09**

**CULVERT PLAN/PROFILE**

**CAUTION**

Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance above the 42" CCP and a minimum of 3' vertical non-disturbance clearance adjacent to the pipe. Contractor shall take all necessary steps to protect the CCP with accompanying immediately adjacent to these non-disturbance limits to prevent any degradation in the lining of the CCP. Contractor shall also maintain additional clearances that could be created by equipment working adjacent to or above the non-disturbance limits. Extra care shall be taken when planning and constructing soils immediately adjacent to these non-disturbance limits.
CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits above the top of pipe AND a minimum of 2' vertical 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 immediately above the CCP. Contractor shall take extra care when working immediately adjacent to these non-disturbance limits.

LEGEND
- 2'-Foot Disturbance Limit
- 3'-Foot Disturbance Limit

DRAINAGE CONSTRUCTION NOTES

<table>
<thead>
<tr>
<th>No.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QTY</th>
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</table>

New E.P.

Valencia Rd. Const. E

S.R.P. Const. E

3-Foot Disturbance Limit

2-Foot Disturbance Limit

Project No. 4 RTV WE
Wade Road to Ajo Highway
Valencia Road

Pima County Department of Transportation

Priscilla S. Cornello, P.E., Director
Kniele-Hoffman, P.E., Director
CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' vertical non-disturbance clearance above the top of pipe AND a minimum of 5' horizontal non-disturbance clearance adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to avoid any 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 immediately adjacent to these non-disturbance limits. General care shall be taken when pile driving and re-enforcing soils immediately adjacent to these non-disturbance limits.

LEGEND

2-Foot Disturbance Limit
3-Foot Disturbance Limit
Contact Arizona 811 at least two full working days before you begin excavation.
Call 811 or click Arizona811.com

CAUTION
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits from the top of pipe AND a minimum of 2' vertical non-disturbance limits to assure no degradation in the limits of the non-disturbance area. Contractor shall also adhere to equipment working adjacent to or over the 42" CCP. Contractor shall maintain extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits.

FOOTNOTE
See Caution Note Shown to the Right.

LEGEND
2-Foot Disturbance Limit
3-Foot Disturbance Limit

DRAINAGE CONSTRUCTION NOTES
NO DESCRIPTION UNIT QTY
1 Concrete Channel Lining SF x.xxx

PIMA COUNTY

Valencia Rd. Const. E
Valencia Rd. Const. E

Inv. = 2454.89
Inv. = 2455.90

18+00 19+00 20+00 21+00 22+00

20’ 20’ 20’ 20’ 20’

2440 2450 2460 2470 2480

10 10 10
Sta. 171+00 Valencia Road Const. E
Sta. 20+00 R.C.B.C. Const. E
Sta. 20+00 R.C.B.C.

New E.P.
New E.P.
New E.P.

60'
60'
60'

0.50%
0.50%
0.50%
**CAUTION**

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits above the top of pipe AND a minimum of 2' vertical 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 within the non-disturbance limits. Contractor shall take extra care when planting and maintaining soils immediately adjacent to these non-disturbance limits.

**LEGEND**

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit

**DRAINS CONSTRUCTION NOTES**

<table>
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<tr>
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**Scales**

- Horiz. 1"=20'
- Vert. 1"=4'
CAUTION

Contractor shall be aware that the 42" CCP is line and proportional. Contractor shall maintain a minimum of 5' vertical non-disturbance clearance above the top of pipe AND a minimum of 5' 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 guard against degradation in the limits of the non-disturbance area. Contractor shall also utilize additional footings that could be created by equipment working adjacent to or within the non-disturbance area. Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits.

LEGEND

---

2' Disturbance Limit
3' Disturbance Limit

PIPE CULVERT NO. 11B
STA. 178+13

CAUTION

Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance above the top of pipe AND a minimum of 2' vertical 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 guard against degradation in the limits of the non-disturbance area. Contractor shall also utilize additional footings that could be created by equipment working adjacent to or within the non-disturbance area. Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits.
CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits along the 42" CCP AND a minimum of 2' vertical 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 minimize additional loadings that could be created by equipment working adjacent to or within these non-disturbance limits. Extra care shall be taken when placing and re-compacting soils immediately adjacent to these non-disturbance limits.

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits along the 42" CCP AND a minimum of 2' vertical 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 minimize additional loadings that could be created by equipment working adjacent to or within these non-disturbance limits. Extra care shall be taken when placing and re-compacting soils immediately adjacent to these non-disturbance limits.

LEGEND

- 2'-Foot Disturbance Limit
- 3'-Foot Disturbance Limit

CAUTION

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits along the 42" CCP AND a minimum of 2' vertical 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 minimize additional loadings that could be created by equipment working adjacent to or within these non-disturbance limits. Extra care shall be taken when placing and re-compacting soils immediately adjacent to these non-disturbance limits.

LEGEND

- 2'-Foot Disturbance Limit
- 3'-Foot Disturbance Limit
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits adjacent to the pipe. Contractor shall also maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe.

Contractor shall maintain a minimum of 3' horizontal non-disturbance limits adjacent to the pipe. Contractor shall maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical non-disturbance clearance below the bottom of pipe.

Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance limits adjacent to the pipe. Contractor shall also maintain a minimum of 2' vertical non-disturbance clearance above the top of pipe.

Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.
CAUTION
Contractor shall be aware that the 42" CCP is
line and properties. Contractor shall maintain
a minimum of 3' horizontal non-disturbance
limits above the top of pipe AND a
minimum of 2' vertical non-disturbance
limits to assure no
extra care and minimize the time associated
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
within the non-disturbance limits. Contractor
shall be aware that the 42" CCP is
Scarification/
Non-Disturbance Limits

NEWdrop inlet

LEGEND

2'-Foot Disturbance Limit
3'-Foot Disturbance Limit

PIPE CULVERT NO. 14B
STA. 198+40
CULVERT PLAN/PROFILE

inv. = 2465.16

FIN

Inv. = 2466.06

See Caution Note

4'-Cut off wall

3'-Cut off wall

3'-Foot Disturbance Limit

4'-Foot Disturbance Limit

54°

66°

Exist. Grad.
S.R.P. Const. E

Finish Grade @
S.R.P. Const. E

18+00
19+00
20+00
21+00
22+00

2450
2460
2470
2480
2490

199+00
198+00
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 0.5 vertical non-disturbance clearance above the top of pipe AND a minimum of 2' vertical 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 within the non-disturbance limits to prevent the equipment from damaging the CCP. Contractor shall maintain extra care when positioning and re-positioning soils immediately adjacent to these non-disturbance limits.

**CAUTION**

Contractor shall maintain a minimum of 3' horizontal non-disturbance clearance above the top of pipe. Contractor shall maintain a minimum of 3' horizontal 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 within the non-disturbance limits to prevent the equipment from damaging the CCP. Contractor shall maintain extra care when positioning and re-positioning soils immediately adjacent to these non-disturbance limits.

**LEGEND**

- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit

**DRAINAGE CONSTRUCTION NOTES**

- Concrete Channel Lining

**CONSTRUCTION RECORD**

- futuristic Water Model

**FIN**

- See Caution Note

**Vahalla Road**

- Exist. R/W

**New Drop Inlet**

- Valencia Rd. Const.
Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.

**CAUTION**
Contractor shall be aware that the 42" CCP is live and pressurized. Contractor shall maintain a minimum of 3' horizontal non-disturbance area above the top of pipe adjacent to the pipe. Contractor shall take extra care and minimize the time associated with excavating immediately adjacent to these non-disturbance limits to prevent degradation in the limits of the non-disturbance area. Contractor shall also minimize additional loadings that could be caused by equipment working adjacent to or upon the limits of the non-disturbance area. Contractor shall also take care to ensure that all equipment working adjacent to these limits shall not be loaded. Any additional loadings or loadings that cannot be avoided shall be taken care of when planning and performing work immediately adjacent to these non-disturbance limits.

**LEGEND**
- 2-Foot Disturbance Limit
- 3-Foot Disturbance Limit

**PIPE CULVERT NO. 18**
STA. 226 + 38

**DRAINAGE CONSTRUCTION NOTES**

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**FLOW DATA**

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**NEW E.P.**

- Valencia Rd. Const. E
- Valencia Rd. Const. F
- New E.P.

**EXIST. R/W**

- Valencia Road

**New Drop Inlet**

**EXIST. 42" WATER MAIN**

**CONSTRUCTION NOTES**

- New 3-49"x33"x140' S.P.A.
- S.P.A. Const. 
- Valencia Road Const. 

**DESIGNER**

- R. Solis

**DRAWN**

- R. Solis

**CHECKED**

- R. Solis

**DESIGNED**

- R. Solis

**DATE**

- 12/20/16
NOTES

1. Clear zone is 20’ from outside edge of travel lane.
2. All trees to be planted outside clear zone as indicated.
3. Trees to be planted a minimum of eight feet (8') from sidewalks and six feet (6') from face of curbs. Small upright trees may be placed a minimum of 4'-6" from the edge of sidewalk. Shrub and accents to be planted a minimum of four feet (4’) from sidewalks and face of curb.
4. All shrubs within the sight visibility triangles shall be less than 30” at mature height.
5. Trees to be planted a minimum of eight feet (8’) from sidewalks and six feet (6’) from face of curb. Small/upright trees may be placed a minimum of 4'-6" from the edge of sidewalk. Shrub and accents to be planted a minimum of four feet (4’) from sidewalks and face of curb.
6. All shrubs within the sight visibility triangles shall be less than 30” at mature height.

- Underground Communication: Tree trunks to be located a minimum of 4’ from all communication lines.
- Water: Tree trunks shall be 10’ min. from all water lines.
- Electric: Tree trunks shall be 10’ min. from all electrical poles.
- Gas: Tree trunks shall be 8’ min. from all gas lines.
- Sewer: Tree trunks shall be 16’ from manholes and all parts of trees shall be 10’ min. from sewer lines.
- Sewer: Tree trunks shall be 16’ from manholes and all parts of trees shall be 10’ min. from sewer lines.

Trees and Shrubs

- Seed/Rock Mix 1
- Seed/Rock Mix 2
- Seed/Rock Mix 3

PLANT MATERIAL SCHEDULE

SYMBOL |
BOTANICAL NAME |
COMMON NAME |
CONTAINER |
SIZE |

---

**SOME**

**DESCRIPTION**

- Seed Mix 3
- Seed/Rock Mix 2
- Seed Mix 1

**SYMBOL**

- Preservation Fence

**CONTAINER**

- 24” Box
- 15 Gal
- 5 Gal
- 1 Gal
- 8’
- 4’
- 2’

---

**KEY MAP**

- VALENCIA ROAD
- STA. 197+00 TO 205+00

---

**SCALE**

- 1/20 = 1-0
- 50’ = 1-0

---

**NOTES**

- Contractor is to adjust as necessary so that all project areas are permanently stabilized.

---

**CONTACT**

- Arizona 811 at least two full working days before you begin excavation
- Call 811 or click Arizona811.com

---

**CONTRACTOR**

- Contract No. 4 RT VWE

---

**ENGINEER**

- Project Engineer

---

**ARCHITECT**

- Project Architect

---

**DRAWN**

- K. Furnell

---

**DESIGNED**

- K. Furnell

---

**DETAILED**

- K. Furnell

---

**Drawn**

- K. Furnell

---

**TEMPLATED**

- K. Furnell

---

**CONSTRUCTION**

- K. Furnell

---

**CONSTRUCTION SEQUENCE**

- K. Furnell

---

**DATE**

- 12/8/2016

---

**SIGNATURE**

- K. Furnell
PAVEMENT MARKING GENERAL NOTES

1. All equipment, materials and construction shall meet or exceed the requirements contained in the current City of Tucson/Pima County (COT/PC) standard specifications and the standard details for public improvements, the special provisions and the approved plans. All pavement marking shall be installed in accordance with the PC/COT Pavement Marking Design Manual.

2. The Striping Contractor shall contact the Pima County Pavement Marking Supervisor (520-724-2624) at least 3 working days in advance of any pavement marking layout being installed to schedule inspection and approval of pavement marking.

3. Upon completion of the pavement marking layout, the Pima County Pavement Marking Supervisor will issue written authorization to the Contractor to proceed with installing all pavement markings and associated reflective raised pavement markings.

4. The pavement marking markings may be modified as directed and approved by the Traffic Engineer or his designee.

5. The design speed for Valencia Road is 50 mph, the design vehicle is WB-62, the posted speed limit is 45 mph.

6. All lane dimensions are measured from the center of lane line, center of double lane line, or edge of pavement unless otherwise noted.

7. The pavement marking draw are schematic only. The Contractor shall follow all dimensions, applicable marking details, and specified Pima County standards when installing pavement striping, symbols, legends, and markers.

8. Painted layout striping shall be 15 mils (0.015") thick, water-based paint placed on the final pavement surface. Painted layout striping shall be installed within five (5) working days of the final pavement surface being completed.

9. Painted symbols and legends shall be applied at the same time as the painted striping, with the exception of bike lane symbols and words (such as stop, ahead, only, etc.).

10. The final longitudinal striping shall be 60 mils (0.060") thick, hot-sprayed thermoplastic reflective striping placed over the painted layout striping within 21 to 30 calendar days of the final pavement surface being completed. All previously exempted longline markings shall be applied during the final longitudinal striping.

11. All final transverse striping shall be hot-sprayed thermoplastic 90 mils (0.090") thick, including symbols and legends with the exception of bike lane symbols which may be extruded thermoplastic or cast preformed thermoplastic.

12. The Contractor shall be responsible for the layout and installation of pavement markings on the final pavement surface following one control line per direction of travel consisting of control points that have been set to no more than 50 feet apart on curves and 200 feet in tangent sections where the pavement marking pattern does not change.

13. It is the Contractor's responsibility to ensure that the final surface course is placed so that the construction joint is no more than one foot offset from the final striping.

14. All raised pavement markers (RPMs) shall be installed so that the reflective face of each marker is facing approaching traffic and perpendicular to the direction of traffic flow. Type C pavement markers shall be installed so that the reflective face of each marker is facing the direction of traffic and is perpendicular to the direction of traffic flow.

15. All raised pavement markers (RPMs) shall be installed per the current edition of the PC/COT Pavement Marking Manual.

16. Blue raised pavement markers shall be placed adjacent to fire hydrants as shown on sheet PM1 of the PC/COT Pavement Marking Manual.

17. All removal of existing pavement markings shall be accomplished in accordance with Section 701 of the PC/COT Standard Specifications. Painting over existing striping does not constitute approved striping obliteration.

18. Unless otherwise noted, all pavement markings shall be installed by the Contractor.

19. Upon final inspection, a written acceptance or itemized punchlist of missing or unacceptable pavement markings shall be submitted to the Contractor and Pima County by the Traffic Engineer or his designated representative.

20. The Contractor shall be responsible for maintaining all striping until project is approved for "construction acceptance" by Pima County. Full open to traffic, all punchlist items are completed, and one year warranties begin.

DETAIL D1
TYPICAL MEDIAN END TREATMENT

DETAIL D2
DEPRESSED MEDIAN END TREATMENT WITH CROSSWALK
NOTES:
1. Install new pavement arrows and legends per Sheet Nos. 2-3, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
2. Install markers at 1'-0 from face of median curb.
3. Install RPMs per Median End Treatment Detail D2 on page P2.
4. Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

NO T E S:
- Install new pavement arrows and legends per Sheet Nos. 2-3, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
- Install markers at 1'-0 from face of median curb.
- Install RPMs per Median End Treatment Detail D2 on page P2.
- Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

Pavement Marking Plan
Valencia Road
STA. 81+00 to 97+00

NOTES:
- Install new pavement arrows and legends per Sheet Nos. 2-3, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
- Install markers at 1'-0 from face of median curb.
- Install RPMs per Median End Treatment Detail D2 on page P2.
- Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.
NOTES:

1. Install marking at 1-ft from face of median curb.

2. Install RPMs per Median End Treatment Detail DI on page P2.

3. Install new bike lane pavement markings per Sheet Nos. 2-91 and 6-11 of the COT/PC Pavement Marking Design Manual.

4. Treatment Detail D1 on page P2.

5. Install marking at 1-ft from face of median curb.

6. Install new bike lane pavement markings per Sheet Nos. 2-91 and 6-11 of the COT/PC Pavement Marking Design Manual.
NOTES:

1. Install marking at 1-ft from face of median curb.
2. Install RPMs per Median End Treatment Detail DI on page P2.
3. Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

New R/W
Rezoning Condition
Ordinance No. 2009-41

Valencia Road
115 + 00

Matchline STA 113 + 00 SEE Sheet PM4

Matchline STA 121 + 00 SEE ABOVE RIGHT

Matchline STA 129 + 00 SEE ABOVE RIGHT

Valencia Road
125 + 00

Matchline STA 129 + 00 SEE BELOW LEFT

NOTE:

Marking Design Manual.
6-1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

Install RPMs per Median End Treatment Detail DI on page P2.

Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

Install marking at 1-ft from face of median curb.

New R/W
Rezoning Condition
Ordinance No. 2009-41

Valencia Road
115 + 00

Matchline STA 113 + 00 SEE Sheet PM4
NOTES:
1. Install marking at 1'-6" from face of median curbs.
2. Install RPMs per Median End Treatment Detail D1 on page P2.
3. Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

MATCHLINE STA 129+00 SEE SHEET PM5

MATCHLINE STA 137+00 SEE BELOW LEFT

MATCHLINE STA 137+00 SEE ABOVE RIGHT

MATCHLINE STA 145+00 SEE SHEET PM7

NOTES:
6.1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

Install marking at 1'-6" from face of median curbs.
Install RPMs per Median End Treatment Detail D1 on page P2.
Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

MATCHLINE STA 129+00 SEE ABOVE RIGHT

MATCHLINE STA 137+00 SEE BELOW LEFT

MATCHLINE STA 145+00 SEE SHEET PM7

NOTES:
6.1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

Install marking at 1'-6" from face of median curbs.
Install RPMs per Median End Treatment Detail D1 on page P2.
Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

MATCHLINE STA 129+00 SEE ABOVE RIGHT

MATCHLINE STA 137+00 SEE BELOW LEFT

MATCHLINE STA 145+00 SEE SHEET PM7

NOTES:
6.1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

Install marking at 1'-6" from face of median curbs.
Install RPMs per Median End Treatment Detail D1 on page P2.
Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

MATCHLINE STA 129+00 SEE ABOVE RIGHT

MATCHLINE STA 137+00 SEE BELOW LEFT

MATCHLINE STA 145+00 SEE SHEET PM7

NOTES:
6.1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

Install marking at 1'-6" from face of median curbs.
Install RPMs per Median End Treatment Detail D1 on page P2.
Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

MATCHLINE STA 129+00 SEE ABOVE RIGHT

MATCHLINE STA 137+00 SEE BELOW LEFT

MATCHLINE STA 145+00 SEE SHEET PM7

NOTES:
6.1.1 of the COT/PC Pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.

Install marking at 1'-6" from face of median curbs.
Install RPMs per Median End Treatment Detail D1 on page P2.
Install raw bike lane pavement markings per Sheet Nos. 2-9.1 and 6-1.1 of the DOT/PC Pavement Marking Design Manual.
NOTES:

1. Install right pavement arrows and legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.

2. Install marking at 1-ft from face of median curbs.

3. Install RPMs per Median End Treatment Detail D4 on page P2.

4. Install raw biker lane pavement legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.

5. Install marking at 1-ft from face of median curbs.

6. Install marking at 1-ft from face of median curbs.

7. Install RPMs per Median End Treatment Detail D4 on page P2.

8. Install raw biker lane pavement legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.

9. Install marking at 1-ft from face of median curbs.

10. Install RPMs per Median End Treatment Detail D4 on page P2.

11. Install raw biker lane pavement legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.

12. Install marking at 1-ft from face of median curbs.

13. Install RPMs per Median End Treatment Detail D4 on page P2.

14. Install raw biker lane pavement legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
NOTES:

1. Install raw pavement arrows and legends per Sheet Nos. 2-3, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
2. Install marking at 1-ft from face of median curb.
3. Install RPMs per Median End Treatment Detail D1 on page P2.
4. Install raw bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.

MARKING DESIGN MANUAL.

and 4-12 of the COT/PC Pavement legends per Sheet Nos. 2-9, 2-10, and 6-1.1 of the COT/PC Pavement Marking Design Manual.
NOTES:
- Install new pavement arrows and legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
- Install new standard 10' wide crosswalk per Sheet Nos. 2-8 and 5-12 of the PC/COT Pavement Marking Design Manual.
- Install marking at 1-ft from face of median curb.
- Install RPMs per Median End Treatment Detail D2 on sheet P2.
- Replace new bike lane pavement legends per Sheet Nos. 2-9, 1 and 6-1.1 of the PC/COT Pavement Marking Design Manual.

Alignment:
- STA 213 + 00
- STA 221 + 00

Vert. STA 205 + 00 TO 221 + 00

Notes:
- Marking Design Manual.
- Install new pavement arrows and legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
- Install new standard 10' wide crosswalk per Sheet Nos. 2-8 and 5-12 of the PC/COT Pavement Marking Design Manual.
- Install marking at 1-ft from face of median curb.
- Install RPMs per Median End Treatment Detail D2 on sheet P2.
- Install new standard 10' wide crosswalk per Sheet Nos. 2-8 and 5-12 of the PC/COT Pavement Marking Design Manual.
- Install RPMs per Median End Treatment Detail D2 on sheet P2.
- Install new bike lane pavement legends per Sheet Nos. 2-9, 1 and 6-1.1 of the PC/COT Pavement Marking Design Manual.

Easement
- Proposed Drainage

Easement
- Proposed Drainage

Vert. STA 205 + 00 TO 221 + 00

VALENCIA ROAD

PAVEMENT MARKING PLAN

VALLENCIA ROAD

STA. 225 + 00 TO 231 + 00

MATCHLINE STA 205 + 00 SEE SHEET PM01

MATCHLINE STA 213 + 00 SEE ABOVE RIGHT

MATCHLINE STA 221 + 00 SEE BELOW LEFT

MATCHLINE STA 221 + 00 SEE ABOVE RIGHT

MATCHLINE STA 231 + 00 SEE BELOW LEFT
NOTES:
1. Install new pavement arrows and legends per Sheet Nos. 2-9, 2-10, and 4-12 of the COT/PC Pavement Marking Design Manual.
2. Install marking at 1-ft from face of median curb.
3. Install RPMs per Median End Treatment Detail DI on page P2.

Match line Sta 229+00 see below left.

Match line Sta 221+00 see sheet PM11.

Match line Sta 237+00 see sheet PM13.
NOTES:

- Install new bike lane pavement legends per Sheet Nos. 2-9.1 and 6-1.1 of the COT/PC Pavement Marking Design Manual.
- Obliterate, Fog, and Blotter.

**NOTES:**

- Marking Design Manual.
- 6-1.1 of the COT/PC Pavement legend per Sheet Nos. 2-9.1 and 6-1.1.
- Install new bike lane pavement.
- Obliterate, Fog, and Blotter.

**NOTES:**

- Marking Design Manual.
- 6-1.1 of the COT/PC Pavement legend per Sheet Nos. 2-9.1 and 6-1.1.
- Install new bike lane pavement.
- Obliterate, Fog, and Blotter.

**NOTES:**

- Marking Design Manual.
- 6-1.1 of the COT/PC Pavement legend per Sheet Nos. 2-9.1 and 6-1.1.
- Install new bike lane pavement.
- Obliterate, Fog, and Blotter.
NOTES:

- Install new pavement arrows and legends per Sheet Nos. 2-9, 2-10, and 2-12 of the COT/PC Pavement Marking Design Manual.
- Install marking at 1-ft from face of median curb.
Sta 84+74 to Sta 85+50

Clear Zone

Area Cut = 77.92 SQ FT
Area Fill = 42.40 SQ FT
Volume Cut = 0.00 CU YDS
Volume Fill = 0.00 CU YDS

Area Cut = 73.05 SQ FT
Area Fill = 39.51 SQ FT
Volume Cut = 72.69 CU YDS
Volume Fill = 39.44 CU YDS

Area Cut = 68.38 SQ FT
Area Fill = 46.31 SQ FT
Volume Cut = 130.96 CU YDS
Volume Fill = 79.47 CU YDS
Sta 103+50 to Sta 105+00

Valencia Rd Cst

Volume Cut = 473.41 CU YDS
Volume Fill = 473.41 CU YDS

Volume Cut = 45.58 CU YDS
Volume Fill = 473.41 CU YDS

Volume Cut = 62.80 CU YDS
Volume Fill = 477.68 CU YDS

Area Cut = 33.29 SQ FT
Area Fill = 269.57 SQ FT

Area Cut = 25.88 SQ FT
Area Fill = 263.72 SQ FT

Area Cut = 24.37 SQ FT
Area Fill = 247.56 SQ FT

Valencia Rd Cst

Volume Cut = 54.79 CU YDS
Volume Fill = 487.13 CU YDS

Volume Cut = 46.53 CU YDS
Volume Fill = 493.79 CU YDS

Volume Cut = 45.58 CU YDS
Volume Fill = 473.41 CU YDS

Volume Cut = 42.38 CU YDS
Volume Fill = 493.79 CU YDS

Area Cut = 24.86 SQ FT
Area Fill = 247.56 SQ FT

Area Cut = 24.37 SQ FT
Area Fill = 247.56 SQ FT

Area Cut = 24.37 SQ FT
Area Fill = 247.56 SQ FT
Volume Cut = 43.32 CU YDS
Volume Fill = 446.13 CU YDS

Area Cut = 21.93 SQ FT
Area Fill = 234.26 SQ FT

Volume Cut = 43.43 CU YDS
Volume Fill = 430.97 CU YDS

Area Cut = 24.97 SQ FT
Area Fill = 231.19 SQ FT

Volume Cut = 45.89 CU YDS
Volume Fill = 415.88 CU YDS

Area Cut = 24.58 SQ FT
Area Fill = 217.96 SQ FT
Sta 126+50 to Sta 127+50
Clear Zone
Exist. R/W

42" CC

Volume Fill = 865.96 CU YDS
Volume Cut = 64.36 CU YDS
Area Fill = 467.92 SQ FT
Area Cut = 35.79 SQ FT

Volume Fill = 872.25 CU YDS
Volume Cut = 66.31 CU YDS
Area Fill = 471.53 SQ FT
Area Cut = 37.67 SQ FT

Volume Fill = 870.29 CU YDS
Volume Cut = 70.29 CU YDS
Area Fill = 470.20 SQ FT
Area Cut = 37.67 SQ FT

Kimley-Horn

Volume Cut = 66.36 CU YDS
Volume Fill = 869.86 CU YDS
Area Cut = 35.79 SQ FT
Area Fill = 467.92 SQ FT

Volume Cut = 68.11 CU YDS
Volume Fill = 872.25 CU YDS
Area Cut = 37.67 SQ FT
Area Fill = 470.50 SQ FT

Kimley-Horn

Volume Cut = 66.36 CU YDS
Volume Fill = 869.86 CU YDS
Area Cut = 35.79 SQ FT
Area Fill = 467.92 SQ FT

Volume Cut = 68.11 CU YDS
Volume Fill = 872.25 CU YDS
Area Cut = 37.67 SQ FT
Area Fill = 470.50 SQ FT

Kimley-Horn

Volume Cut = 66.36 CU YDS
Volume Fill = 869.86 CU YDS
Area Cut = 35.79 SQ FT
Area Fill = 467.92 SQ FT

Volume Cut = 68.11 CU YDS
Volume Fill = 872.25 CU YDS
Area Cut = 37.67 SQ FT
Area Fill = 470.50 SQ FT
Sta 184+00 to Sta 184+15

Volume Fill = 17.43 CU YDS
Volume Cut = 0.28 CU YDS
Area Fill = 189.66 SQ FT
Area Cut = 0.20 SQ FT

Volume Fill = 85.07 CU YDS
Volume Cut = 6.26 CU YDS
Area Fill = 186.85 SQ FT
Area Cut = 5.99 SQ FT

Volume Fill = 37.46 CU YDS
Volume Cut = 52.59 CU YDS
Area Fill = 180.67 SQ FT
Area Cut = 21.07 SQ FT

Area Cut = 0.00 SQ FT
Area Fill = 189.66 SQ FT
Volume Cut = 0.28 CU YDS
Volume Fill = 17.43 CU YDS
Sta 185+00 to Sta 186+00
Clear Zone

Volume Fill = 441.55 CU YDS
Volume Cut = 72.28 CU YDS
Area Fill = 247.62 SQ FT
Area Cut = 43.83 SQ FT

Volume Fill = 396.84 CU YDS
Volume Cut = 55.33 CU YDS
Area Fill = 223.33 SQ FT
Area Cut = 33.53 SQ FT

Volume Fill = 94.88 CU YDS
Volume Cut = 6.75 CU YDS
Area Fill = 201.42 SQ FT
Area Cut = 20.23 SQ FT

Volume Fill = 43.92 CU YDS
Volume Cut = 247.52 CU YDS
Area Fill = 20.32 SQ FT
Area Cut = 39.53 SQ FT

Contact Arizona 811 at least two full working days before you begin excavation.
Call 811 or click Arizona811.com

Kimley-Horn
Department of Transportation
Valencia Road, Wade Road to Ajo Way (AZ86)

Volume Cut = 6.15 CU YDS
Volume Fill = 91.68 CU YDS

Volume Cut = 55.33 CU YDS
Volume Fill = 398.84 CU YDS

Volume Cut = 20.32 CU YDS
Volume Fill = 43.93 CU YDS

Area Cut = 20.23 SQ FT
Area Fill = 201.42 SQ FT

Area Cut = 39.53 SQ FT
Area Fill = 229.33 SQ FT

Area Cut = 77.28 SQ FT
Area Fill = 437.52 SQ FT

Area Cut = 20.23 SQ FT
Area Fill = 201.42 SQ FT

Area Cut = 39.53 SQ FT
Area Fill = 229.33 SQ FT

Area Cut = 77.28 SQ FT
Area Fill = 437.52 SQ FT
Sta 186+50 to Sta 187+50