WILMOT ROAD IMPROVEMENTS

NORTH OF SAHUARITA ROAD

GENERAL DESCRIPTION OF PROJECT

IMPROVEMENTS TO 7.1 MILES OF WILMOT ROAD, NORTH OF SAHUARITA ROAD. IMPROVEMENTS INCLUDE A PAVED TWO LANE ROADWAY WITH PAVED SHOULDERS, ROADSIDE DITCHES, CONCRETE FORD WALLS, SIGNING, PAVEMENT MARKING AND LANDSCAPING.

PROJECT NUMBER

4RTWNS

PIMA COUNTY

TRANSPORTATION

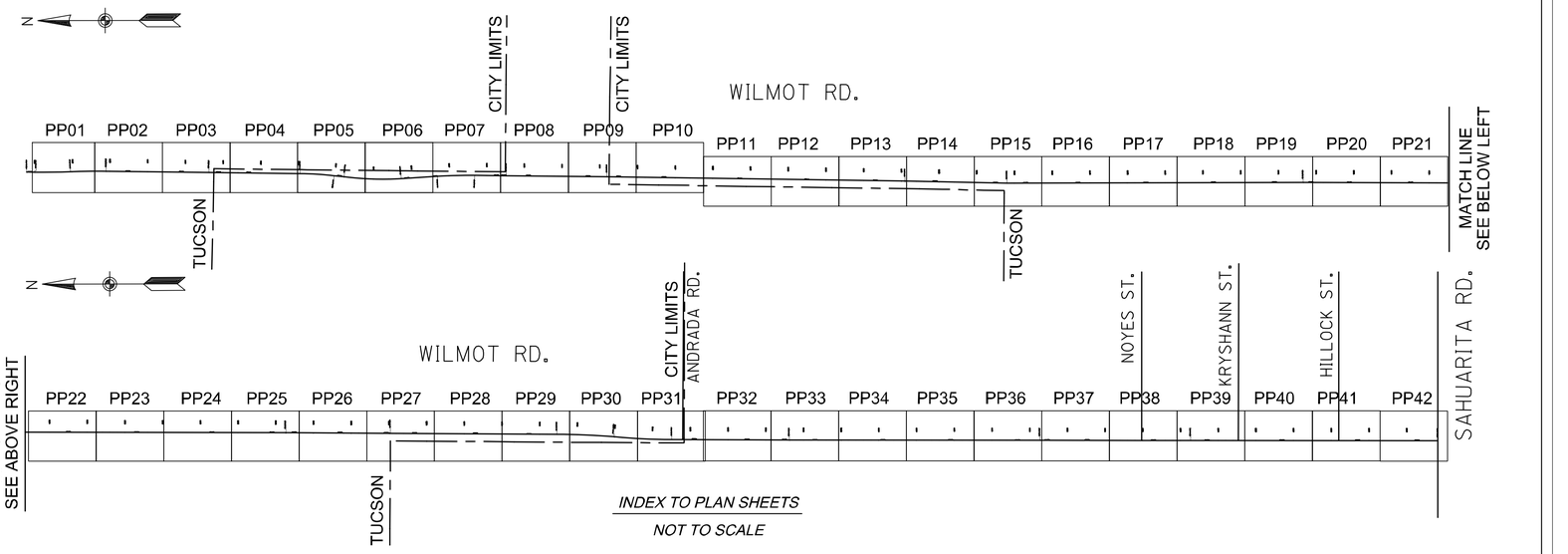
PIMA COUNTY BOARD OF SUPERVISORS

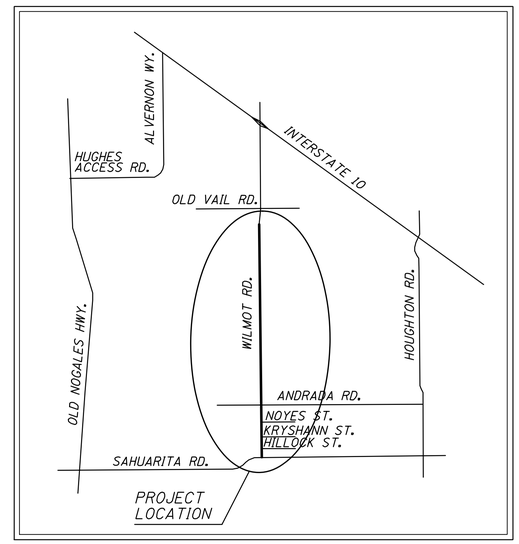
SHARON BRONSON, CHAIR, DISTRICT 3

ALLY MILLER, DISTRICT 1 RAY CARROLL, DISTRICT 4

RAMON VALADEZ, DISTRICT 2 RICHARD ELIAS, DISTRICT 5

THIS PROJECT IS LOCATED WITHIN SUPERVISOR DISTRICT 2





Location Map

NOT TO SCALE

Sections 12, 13, 24, 25, 36
T - 16 - S, R - 14 - E,
Sections 7, 18, 19, 30, 31
T - 16 - S, R - 15 - E
Sections 1, 12
T - 17 - S, R -14 - E
Sections 6, 7
T - 17 - S, R - 15 - E
G & S R & M
Pima County, Arizona

SHEET INDEX

SHEET NO.	PAGE NO.	DESCRIPTION
CS01	1	COVER SHEET
GN01	2	GENERAL NOTES SHEET
GN02	3	EARTHWORK NOTES SHEET
TYP01-TYP03	4-6	TYPICAL SECTIONS & PAVEMENT STRUCTURAL SECTIONS SHEETS
SB01	7	BARRIER SUMMARY SHEET
RD01-RD05	8-12	DETAIL SHEETS
HC01 - HC04	13-16	HORIZONTAL CONTROL SHEETS
PP01 - PP42	17-58	ROADWAY PLAN & PROFILE SHEETS
DP01-DP05	59-63	SIDE STREET & DRIVEWAY PLAN & PROFILE SHEETS
ST01-ST03	64-66	GEOMETRIC DATA & STAKING SHEETS
D01	67	DRAINAGE SHEET
PM01-PM22	68-89	PAVEMENT MARKING SHEETS
SN01-SN29	90-118	SIGNING SHEETS
SW1-SW22	119-140	LANDSCAPE & SWPPP SHEETS
1-68		ROADWAY CROSS SECTIONS (FOR INFORMATION ONLY)

PCRWRD TRACKING NO. UPC-2015-060

Pima County Department of Transportation
201 N. Stone Ave. 4th floor Tucson, Arizona 85701
Phone Number: 740 - 6410
Priscilla S. Cornelio, P.E. Director

Call at least two full working days before you begin excavation.
ARIZONA 811 Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

No.	Revisions	Engineer	Date
No.	As Built	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 18164 WILLIAM D. SCHLESINGER State of ARIZONA, U.S.A. Date Signed EXPIRES 6-30-2016

Reviewed by	Engineer	Date
Mgr. Trans Engr.		
Mgr. Traffic Engr.		
Mgr. Field Engr.		
Mgr. WWM		

Approved: _____ 20__

Director

Project No. 4RTWNS | Sheet No. CS01 of CS01 | Page No. 01 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSFS.dgn DATE: 4/18/2016 TIME: 12:58:37 PM KershnerM

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

GENERAL NOTES

1. Construction shall be in conformance with the Specifications and Details listed in the Special Provisions.
2. Utility locations shown on 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 cacti and native plants shall be in accordance with the provisions of the "Arizona Native Plant Law" A.R.S., Chapter 7.
5. The basis of bearing for this project is a line between a found 2" brass capped monument stamped "T17S R14E T17S R15E 12,7,7" and a found 2 1/2" copper alloy disk stamped "US General Land Office Survey 1/4 S7 1930" bearing being North 0° 48' 31" West, as established from the Arizona Coordinate System, 1983 (HARN 92), Central Zone 0202.
6. Basis of Elevation: Pima County Benchmark Designation NN 174, elevation being 2846.37 feet. Station mark is a 3 1/4" aluminum disk set in concrete stamped "NN-174 1992". Located 5.1 miles south of Interstate 10 on Wilmot Road, 58 feet west of roadway.
7. Basis of Coordinates: The horizontal control for this project is based on existing survey control points as provided by Pima County-City of Tucson geodetic control points. The published combined factor for "PG01" = 0.9998879600 was used to convert grid coordinates to surface. Surface northing coordinates are derived by dividing the grid coordinates by 0.9998879600 and then subtracting 300,000. Surface easting coordinates are derived by dividing the grid coordinate by 0.9998879600 and then subtracting 900,000.
8. Basis of stationing: Stations for Wilmot Road increase from north to south. The stationing for sidestreets increases from east to west. Stationing at the north end of Wilmot Road starts at Station 99+65.00.
9. Soils information will be made available to prospective bidders in the Geotechnical Report. Soils information so provided shall be for information purposes only, and is not to be considered a part of the contract documents. 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.
10. 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.
11. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the Engineer and resolved before proceeding with the work.
12. All stationing shown on the plans and profiles is along the construction centerline, unless otherwise noted.
13. 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.
14. The contractor's attention is called to the limited area available on the site for excavation, embankment and other construction activities.

GENERAL NOTES CONTINUED

15. Existing topographic conditions shown on the plan and profile sheets reflect conditions as of December 2013.
16. Any excess excavated material shall become the property of the contractor, and shall be removed from the project site by the contractor at no additional cost to the Pima County DOT.
17. The design speed for Wilmot Road is 55 mph and the posted speed limit is 50 mph from Station 99+65.00 to Station 369+50.00. The design speed is 45 mph and the posted speed is 40 mph from Station 369+50.00 to Station 473+96.10.
18. Profile grades for Wilmot Road, Side Streets and Driveways are shown to the bottom of the 2" A.C. section. Staking elevations shown in the Geometric Data & Staking Sheets are shown to finished grade of the 2" A.C. section.
19. Site shall be treated for buffelgrass and other invasive species prior to initiation of work. See Special Provisions Section 201-3.04.
20. Contractor is responsible for the preservation of existing plant materials according to Special Provisions Section 201-3.02. Overhanging branches within the right of way that may impact construction shall be pruned in accordance with Special Provisions Section 201-3.05 and Item No. 8061700
21. Existing trees on adjacent private property may have overhanging branches that will require pruning. See Special Provisions Section 201-3.05. No pruning shall be performed without the notification of Pima County Community Relations.
22. Where construction impacts existing landscape or irrigation encroachments within right of way, contractor shall coordinate required adjustments with Project Engineer and adjacent property owners. See also Special Provisions, Item No. 2020004.
23. Contractor is to install preservation fencing as directed by Engineer prior to clearing. Locations shown on plans shall be adjusted in the field as required. Preservation fencing is to remain during duration of project. See Item No. 2010004.
24. Removal of all cacti and native plants shall be in accordance with the provisions of the "Arizona Native Plant Law", A.R.S. Chapter 7. Cacti under the protection of native plant laws will have been removed prior to construction. If, during construction, additional saguaro or barrel cacti will be impacted, contractor is to contact Ellen Alster, PCDOT Senior Landscape Architect (520-724-6655 or Ellen.Alster@pima.gov). Contractor is to assist PCDOT in coordinating salvage with the Pima County Native Plant Nursery (Contact Jessie Byrd at 520-488-8022 or Jessie.Byrd@pima.gov).

ABBREVIATIONS NOT INCLUDED IN PAG STD. DTL.

Correction	Corr.
Edge of Pavement	E.P.
Point of Compound Curve	P.C.C.
Shoulder	Shld.
Stopping Sight Distance	SSDs
Vertical Curve	V.C.
Standard	Std.
Temporary Construction Easement	T.C.E.
Section Line	S.L.
Profile Grade Line	P.G.L.

LENGTH OF PROJECT

Wilmot Rd. Sta. 99+65.00 to Sta. 473+96.10
Gross & Net Length = 37,431.10' (7.09 Miles)

DESIGN SPEED

ROADWAY	STATION RANGE	DESIGN	POSTED
Wilmot Rd.	Sta. 99+65 to Sta. 369+50	55 mph	50 mph
	Sta. 369+50 to Sta. 473+96	45 mph	40 mph

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 47080 MATTHEW P. KERSHNER STATE OF ARIZONA DATE 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
3555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig, it's the law. ARIZONA811 Arizona Blue Stake, Inc. Not a locator • Locates must be marked

Pima County Department of Transportation

GENERAL NOTES SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet GN01 of GN02	Page 02 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSGenNotes.dgn DATE: 4/18/2016 TIME: 12:14:20 PM KershnerM

EARTHWORK NOTES

1. Excavation (Overexcavation and Removal) includes material to be moved in accordance with Detail RD02. This material shall become the property of the Contractor. See General Note 16.

2. Roadway Excavation is the total roadway volume excavated. Roadway Excavation does not include drainage and overexcavation.

3. Excavation to Install Cattle Guards is the total volume excavated for cattle guard installation. There is no separate payment for Excavation to Install Cattle Guards as this is considered incidental to the cost of the cattle guard items.

4. Excavation to Install Ford Walls is the total volume excavated for related ford walls. There is no separate payment for Excavation to Install Ford Walls as this is considered incidental to the cost of the ford wall items.

5. Total Excavation = Excavation (Overexcavation and Removal) + Roadway Excavation + Excavation to Install Cattle Guards + Excavation to Install Ford Walls.

6. Total Shrinkage is 15% for Roadway Excavation, Excavation to Install Cattle Guards and Excavation to Install Ford Walls. Total Shrinkage volume does not include Overexcavation. Assumes 95% compaction.

7. Net Excavation = Total Excavation - Total Shrinkage - Excavation (Overexcavation and Removal). Net Excavation is the excavation available for embankment.

8. Roadway Embankment is the total roadway embankment volume required.

9. Overexcavation Embankment is the total roadway embankment volume required to place in overexcavation locations.

10. Ground Compaction = Embankment area x 0.10 ft.

11. Pipe Culvert Embankment Adjustment is the additional embankment required to backfill pipe removals.

12. Net Embankment volume is the total volume complete in place including ground compaction.
    Net Embankment = Roadway Embankment + Overexcavation Embankment + Ground Compaction + Pipe Culvert Embankment Adjustment.

13. Waste = Net Embankment - Net Excavation + Excavation (Overexcavation and Removal)

EARTHWORK QUANTITIES SUMMARY

ITEM NO.	ITEM DESCRIPTION	TOTAL VOLUME (CY)
2030500	(1) Excavation (Overexcavation and Removal) (Waste)	18,419
2030300	(2) Roadway Excavation	90,612
	(3) Excavation to Install Cattle Guards	147
	(4) Excavation to Install Ford Walls	2,831
	(5) Total Excavation	112,009
	(6) Total Shrinkage (15%)	14,039
	(7) NET EXCAVATION (Available for Embankment)	79,551
	(8) Roadway Embankment	26,720
	(9) Overexcavation Embankment	18,419
	(10) Ground Compaction (0.10 Ft.)	1,475
	(11) Pipe Culvert Embankment Adjustment	58
	(12) NET EMBANKMENT (Embankment Demand)	46,672
	(13) Waste	51,298

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) CERTIFICATE NO. 19290 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM

TRANSPORTATION

AECOM USA, Inc.
335 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438

www.aecom.com

Pima County Department of Transportation

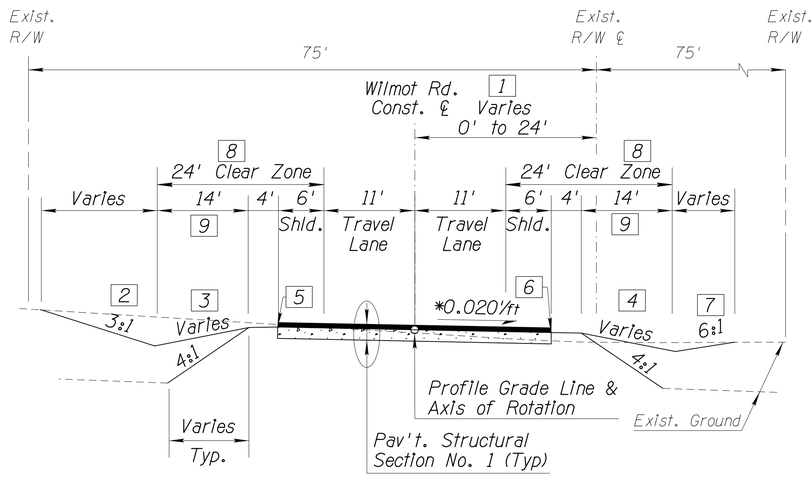
EARTHWORK NOTES SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet GN02 of GN02	Page 03 of 140

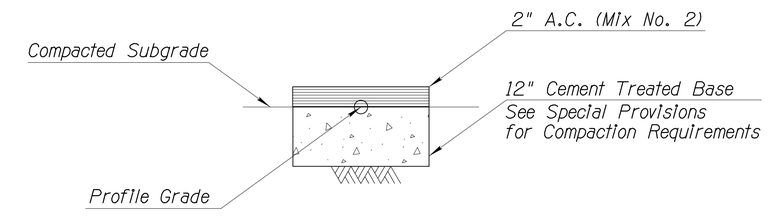
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_GenNotes2.dgn DATE: 4/18/2016 TIME: 12:15:02 PM KershnerM



* Sta. 135+02 to Sta. 136+16 Varies from 0.020'/ft to 0.030'/ft

WILMOT ROAD TYPICAL SECTION

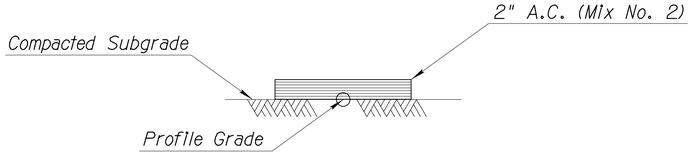
Sta. 99+65.00 to Sta. 136+16.00
Sta. 149+13.00 to Sta. 374+20.47



Total Thickness = 14"

PAVEMENT STRUCTURAL SECTION NO. 1

Wilmot Road



Total Thickness = 2"

PAVEMENT STRUCTURAL SECTION NO. 2

Sidestreets and Driveways

KEY NOTES

1 Varies 0' to 24' from Sta. 100+02.69 to Sta. 109+49.89
Varies 24' to 22.91' from Sta. 135+20.26 to Sta. 136+16.00
Varies 25.30' to 0' from Sta. 149+13.00 to Sta. 152+62.54
Varies 0' to 24' from Sta. 152+62.54 to Sta. 158+41.12
Varies 24' to 0' from Sta. 357+28.62 to Sta. 364+01.37
Varies 0' to 37.5' from Sta. 364+01.37 to Sta. 374+20.47

2 Transition from 3:1 to 2:1 Sta. 172.25.00 to Sta. 172+50.00
2:1 from Sta. 172+50.00 to 175+50.00
Transition from 2:1 to 3:1 Sta. 175+50.00 to 175+75.00
Transition from 3:1 to 2:1 Sta. 222+75.00 to Sta. 223+00.00
2:1 from Sta. 223+00.00 to 229+00.00
Transition from 2:1 to 3:1 Sta. 229+00.00 to 229+25.00
Transition from 3:1 to 2:1 Sta. 233+75.00 to Sta. 234+00.00
2:1 from Sta. 234+00.00 to 240+00.00
Transition from 2:1 to 3:1 Sta. 240+00.00 to 240+25.00
Transition from 3:1 to 2:1 Sta. 247+75.00 to Sta. 248+00.00
2:1 from Sta. 248+00.00 to 250+00.00
Transition from 2:1 to 3:1 Sta. 250+00.00 to 250+25.00

3 10:1 from Sta. 99+65.00 to Sta. 114+67.00
Transition from 10:1 to 50:1 from Sta. 114+67.00 to Sta. 116+43.00
50:1 from Sta. 116+43.00 to Sta. 122+79.00
Transition from 50:1 to 10:1 from Sta. 122+79.00 to Sta. 124+58.00
10:1 from Sta. 124+58.00 to Sta. 128+06.00
Transition from 10:1 to 50:1 from Sta. 128+06.00 to Sta. 128+17.00
50:1 from Sta. 128+17.00 to Sta. 136+16.00
50:1 from Sta. 149+13.00 to Sta. 163+88.00
Transition from 50:1 to 10:1 from Sta. 163+88.00 to Sta. 165+88.00
10:1 from Sta. 165+88.00 to Sta. 179+43.00
Transition from 10:1 to 50:1 from Sta. 179+43.00 to Sta. 181+05.00
50:1 from Sta. 181+05.00 to Sta. 182+34.00
Transition from 50:1 to 10:1 from Sta. 182+34.00 to Sta. 184+11.00
10:1 from Sta. 184+11.00 to Sta. 186+30.00
Transition from 10:1 to 50:1 from Sta. 186+30.00 to Sta. 186+41.00
50:1 from Sta. 186+41.00 to Sta. 189+39.00
Transition from 50:1 to 10:1 from Sta. 189+39.00 to Sta. 190+77.00
10:1 from Sta. 190+77.00 to Sta. 201+87.00
Transition from 10:1 to 50:1 from Sta. 201+87.00 to Sta. 203+92.00
50:1 from Sta. 203+92.00 to Sta. 213+60.00
Transition from 50:1 to 10:1 from Sta. 213+60.00 to Sta. 216+05.00
10:1 from Sta. 216+05.00 to Sta. 225+65.00
Transition from 10:1 to 50:1 from Sta. 225+65.00 to Sta. 225+76.00
50:1 from Sta. 225+76.00 to Sta. 236+91.00
Transition from 50:1 to 10:1 from Sta. 236+91.00 to Sta. 237+03.00
10:1 from Sta. 237+03.00 to Sta. 240+27.00
Transition from 10:1 to 50:1 from Sta. 240+27.00 to Sta. 242+09.00
50:1 from Sta. 242+09.00 to Sta. 243+56.00
Transition from 50:1 to 10:1 from Sta. 243+56.00 to Sta. 245+38.00
10:1 from Sta. 245+38.00 to Sta. 250+34.00
Transition from 10:1 to 50:1 from Sta. 250+34.00 to Sta. 250+45.00
50:1 from Sta. 250+45.00 to Sta. 252+58.00
Transition from 50:1 to 10:1 from Sta. 252+58.00 to Sta. 254+71.00
10:1 from Sta. 254+71.00 to Sta. 263+81.00
Transition from 10:1 to 50:1 from Sta. 263+81.00 to Sta. 266+41.00
50:1 from Sta. 266+41.00 to Sta. 288+66.00
Transition from 50:1 to 10:1 from Sta. 288+66.00 to Sta. 288+77.00
10:1 from Sta. 288+77.00 to Sta. 292+26.00
Transition from 10:1 to 50:1 from Sta. 292+26.00 to Sta. 293+00.00
50:1 from Sta. 293+00.00 to Sta. 295+64.00
Transition from 50:1 to 10:1 from Sta. 295+64.00 to Sta. 298+02.00
10:1 from Sta. 298+02.00 to Sta. 304+64.00
Transition from 10:1 to 50:1 from Sta. 304+64.00 to Sta. 306+76.00
50:1 from Sta. 306+76.00 to Sta. 307+52.00
Transition from 50:1 to 10:1 from Sta. 307+52.00 to Sta. 309+01.00
10:1 from Sta. 309+01.00 to Sta. 312+51.00
Transition from 10:1 to 50:1 from Sta. 312+51.00 to Sta. 312+62.00
50:1 from Sta. 312+62.00 to Sta. 339+50.00
Transition from 50:1 to 10:1 from Sta. 339+50.00 to Sta. 340+65.00
10:1 from Sta. 340+65.00 to Sta. 344+40.00
Transition from 10:1 to 50:1 from Sta. 344+40.00 to Sta. 344+51.00
50:1 from Sta. 344+51.00 to Sta. 350+26.00
Transition from 50:1 to 10:1 from Sta. 350+26.00 to Sta. 352+64.00
10:1 from Sta. 352+64.00 to Sta. 359+83.00
Transition from 10:1 to 50:1 from Sta. 359+83.00 to Sta. 361+22.00
50:1 from Sta. 361+22.00 to Sta. 373+30.00
Transition from 50:1 to 10:1 from Sta. 373+30.00 to Sta. 374+20.47

4 10:1 from Sta. 99+65.00 to Sta. 114+65.00
Transition from 10:1 to 50:1 from Sta. 114+65.00 to Sta. 116+43.00
50:1 from Sta. 116+43.00 to Sta. 119+14.00
Transition from 50:1 to 10:1 from Sta. 119+14.00 to Sta. 119+26.00
10:1 from Sta. 119+26.00 to Sta. 128+11.00
Transition from 10:1 to 50:1 from Sta. 128+11.00 to Sta. 128+22.00
50:1 from Sta. 128+22.00 to Sta. 136+16.00
50:1 from Sta. 149+13.00 to Sta. 163+88.00
Transition from 50:1 to 10:1 from Sta. 163+88.00 to Sta. 165+88.00
10:1 from Sta. 165+88.00 to Sta. 179+44.00
Transition from 10:1 to 50:1 from Sta. 179+44.00 to Sta. 181+05.00
50:1 from Sta. 181+05.00 to Sta. 182+34.00
Transition from 50:1 to 10:1 from Sta. 182+34.00 to Sta. 184+11.00
10:1 from Sta. 184+11.00 to Sta. 201+87.00
Transition from 10:1 to 50:1 from Sta. 201+87.00 to Sta. 203+92.00
50:1 from Sta. 203+92.00 to Sta. 213+60.00
Transition from 50:1 to 10:1 from Sta. 213+60.00 to Sta. 216+05.00
10:1 from Sta. 216+05.00 to Sta. 240+14.00
Transition from 10:1 to 50:1 from Sta. 240+14.00 to Sta. 242+09.00
50:1 from Sta. 242+09.00 to Sta. 243+56.00
Transition from 50:1 to 10:1 from Sta. 243+56.00 to Sta. 245+38.00
10:1 from Sta. 245+38.00 to Sta. 250+34.00
Transition from 10:1 to 50:1 from Sta. 250+34.00 to Sta. 250+45.00
50:1 from Sta. 250+45.00 to Sta. 252+58.00
Transition from 50:1 to 10:1 from Sta. 252+58.00 to Sta. 254+71.00
10:1 from Sta. 254+71.00 to Sta. 263+81.00
Transition from 10:1 to 50:1 from Sta. 263+81.00 to Sta. 266+41.00
50:1 from Sta. 266+41.00 to Sta. 288+65.00
Transition from 50:1 to 10:1 from Sta. 288+65.00 to Sta. 288+77.00
10:1 from Sta. 288+77.00 to Sta. 292+26.00
Transition from 10:1 to 50:1 from Sta. 292+26.00 to Sta. 293+00.00
50:1 from Sta. 293+00.00 to Sta. 295+64.00
Transition from 50:1 to 10:1 from Sta. 295+64.00 to Sta. 298+02.00
10:1 from Sta. 298+02.00 to Sta. 304+64.00
Transition from 10:1 to 50:1 from Sta. 304+64.00 to Sta. 306+76.00
50:1 from Sta. 306+76.00 to Sta. 307+52.00
Transition from 50:1 to 10:1 from Sta. 307+52.00 to Sta. 309+02.00
10:1 from Sta. 309+02.00 to Sta. 312+51.00
Transition from 10:1 to 50:1 from Sta. 312+51.00 to Sta. 312+62.00
50:1 from Sta. 312+62.00 to Sta. 339+50.00
Transition from 50:1 to 10:1 from Sta. 339+50.00 to Sta. 340+64.00
10:1 from Sta. 340+64.00 to Sta. 344+40.00
Transition from 10:1 to 50:1 from Sta. 344+40.00 to Sta. 344+51.00
50:1 from Sta. 344+51.00 to Sta. 350+26.00
Transition from 50:1 to 10:1 from Sta. 350+26.00 to Sta. 352+64.00
10:1 from Sta. 352+64.00 to Sta. 359+83.00
Transition from 10:1 to 50:1 from Sta. 359+83.00 to Sta. 361+22.00
50:1 from Sta. 361+22.00 to Sta. 374+20.47

5 See Detail RD01 for Ford Wall Limits.

6 See Detail RD01 for Pavement Bumpout Details and Ford Wall Limits.

7 Transition from 6:1 to 3:1 from Sta. 365+25.00 to Sta. 366+00.00
3:1 from Sta. 366+00.00 to Sta. 374+20.47

8 19' Clear Zone from Sta. 369+50.00 to Sta. 374+20.47

9 9' from Sta. 369+50.00 to Sta. 374+20.47

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	CJR	04/16
	MPK	MPK		MPK

Registered Professional Engineer (Civil) CERTIFICATE NO. 40080 MATTHEW P. KERSHNER STATE OF ARIZONA DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7600 F 520.887.8438
www.aecom.com

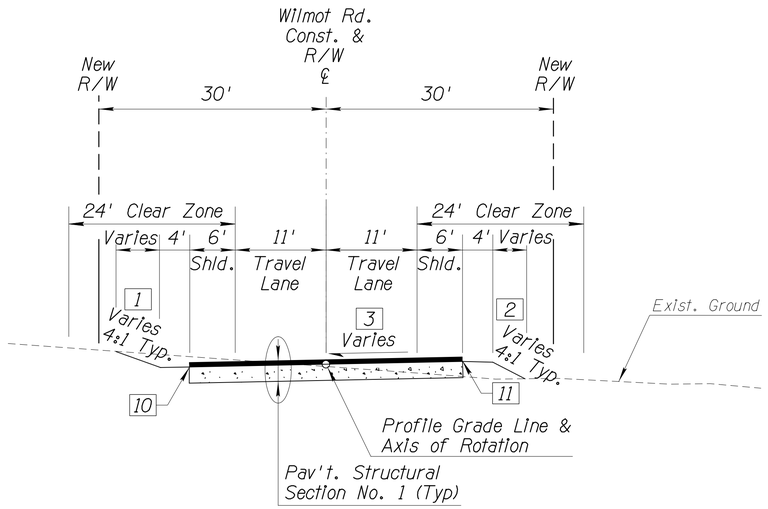
Call at least two full working days before you dig. ARIZONA BLUE STAKE, INC. 602-263-1100 or 800-782-5348 for Members. Non-Members must call directly.

TYPICAL SECTIONS & PAVEMENT STRUCTURAL SECTIONS SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

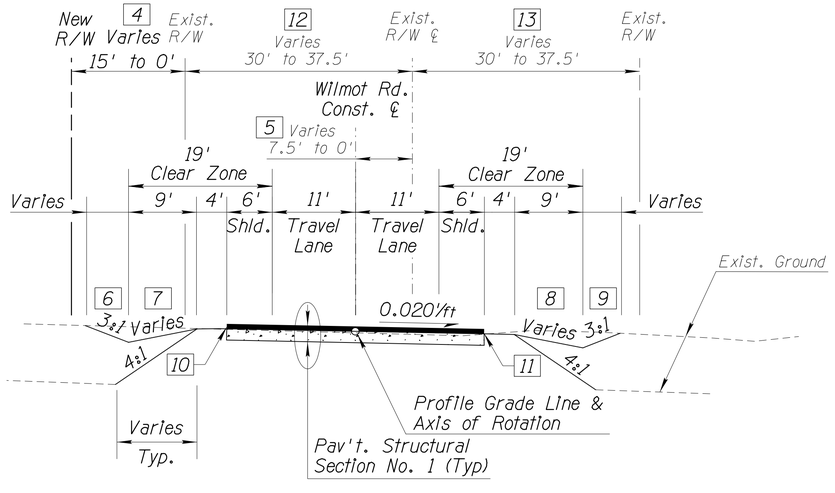
Scale:	N.T.S.	Sheet TYP01 of TYP03	Page 04 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNStyp01.dgn DATE: 4/18/2016 TIME: 12:15:27 PM KershnerM



WILMOT ROAD
TYPICAL SECTION

Sta. 136+16.00 to Sta. 149+13.00



WILMOT ROAD
TYPICAL SECTION

Sta. 374+20.47 to Sta. 473+59.12

KEY NOTES

1. 2:1 Cut from Sta. 147+40.00 to Sta. 149+10.00
2. 2:1 Fill from Sta. 143+80.00 to Sta. 146+80.00
3. See Superelevation Diagram on Roadway Plan & Profile Sheets.
4. 15' from Sta. 374+20.47 to Sta. 434+51.87
   15' from Sta. 465+55.71 to Sta. 473+40.21
5. 7.5' from Sta. 374+20.47 to Sta. 434+51.87
6. Transition from 3:1 to 2:1 from Sta. 391+75.00 to Sta. 392+00.00
   2:1 from Sta. 392+00.00 to Sta. 402+00.00
   Transition from 2:1 to 3:1 from Sta. 402+00.00 to Sta. 402+25.00
   Transition from 3:1 to 2:1 from Sta. 406+00.00 to Sta. 406+25.00
   2:1 from Sta. 406+25.00 to Sta. 407+00.00
   Transition from 2:1 to 3:1 from Sta. 407+00.00 to Sta. 407+25.00
   Transition from 3:1 to 2:1 from Sta. 420+50.00 to Sta. 420+75.00
   2:1 from Sta. 420+75.00 to Sta. 421+50.00
   Transition from 2:1 to 3:1 from Sta. 421+50.00 to Sta. 421+75.00
   Transition from 3:1 to 2:1 from Sta. 432+75.00 to Sta. 433+00.00
   2:1 from Sta. 433+00.00 to Sta. 441+00.00
   Transition from 2:1 to 3:1 from Sta. 441+00.00 to Sta. 441+25.00
   Transition from 3:1 to 2:1 from Sta. 450+75.00 to Sta. 451+00.00
   2:1 from Sta. 451+00.00 to Sta. 457+00.00
   Transition from 2:1 to 3:1 from Sta. 457+00.00 to Sta. 457+25.00
7. Transition from 50:1 to 10:1 from Sta. 374+20.47 to Sta. 374+88.00
   10:1 from Sta. 374+88.00 to Sta. 390+23.00
   Transition from 10:1 to 50:1 from Sta. 390+23.00 to Sta. 390+34.00
   50:1 from Sta. 390+34.00 to Sta. 437+10.00
   Transition from 50:1 to 10:1 from Sta. 437+10.00 to Sta. 438+36.00
   10:1 from Sta. 438+36.00 to Sta. 451+66.00
   Transition from 10:1 to 50:1 from Sta. 451+66.00 to Sta. 451+77.00
   50:1 from Sta. 451+77.00 to Sta. 454+20.00
   Transition from 50:1 to 10:1 from Sta. 454+20.00 to Sta. 455+40.00
   10:1 from Sta. 455+40.00 to Sta. 470+25.00
   Transition from 10:1 to 50:1 from Sta. 470+25.00 to Sta. 473+59.12
8. Transition from 50:1 to 10:1 from Sta. 374+20.47 to Sta. 374+90.00
   10:1 from Sta. 374+90.00 to Sta. 390+23.00
   Transition from 10:1 to 50:1 from Sta. 390+23.00 to Sta. 390+34.00
   50:1 from Sta. 390+34.00 to Sta. 437+10.00
   Transition from 50:1 to 10:1 from Sta. 437+10.00 to Sta. 438+36.00
   10:1 from Sta. 438+36.00 to Sta. 451+66.00
   Transition from 10:1 to 50:1 from Sta. 451+66.00 to Sta. 451+77.00
   50:1 from Sta. 451+77.00 to Sta. 454+20.00
   Transition from 50:1 to 10:1 from Sta. 454+20.00 to Sta. 455+40.00
   10:1 from Sta. 455+40.00 to Sta. 473+59.12
9. Transition from 3:1 to 2:1 from Sta. 434+75.00 to Sta. 435+00.00
   2:1 from Sta. 435+00.00 to Sta. 441+00.00
   Transition from 2:1 to 3:1 from Sta. 441+00.00 to Sta. 441+25.00
   Transition from 3:1 to 2:1 from Sta. 452+75.00 to Sta. 453+00.00
   2:1 from Sta. 453+00.00 to Sta. 460+00.00
   Transition from 2:1 to 3:1 from Sta. 460+00.00 to Sta. 460+25.00
   Transition from 3:1 to 2:1 from Sta. 471+75.00 to Sta. 472+00.00
   2:1 from Sta. 472+00.00 to Sta. 473+50.00
   Transition from 2:1 to 3:1 from Sta. 473+50.00 to Sta. 473+59.12
10. See Detail RD01 for Ford Wall Limits.
11. See Detail RD01 for Pavement Bumpout Details and Ford Wall Limits.
12. 30' from Sta. 374+20.46 to Sta. 434+51.87
    37.5' from Sta. 434+51.87 to Sta. 473+40.08
13. 30' from Sta. 374+20.47 to Sta. 434+51.87
    37.5' from Sta. 434+51.87 to Sta. 473+40.08

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19990 P. MATTHEW KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
335 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

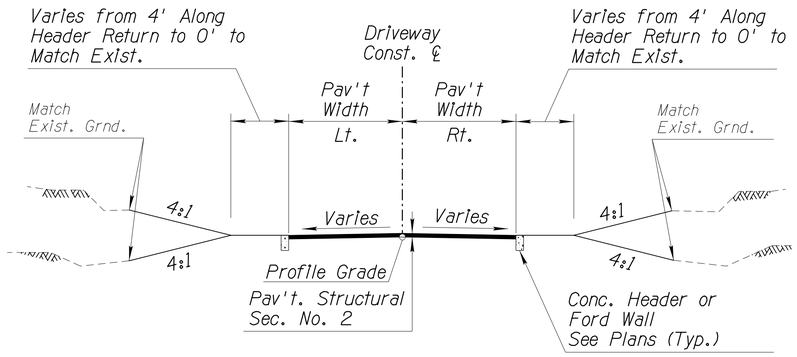
Pima County Department of Transportation

TYPICAL SECTIONS AND PAVEMENT STRUCTURAL SECTIONS SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

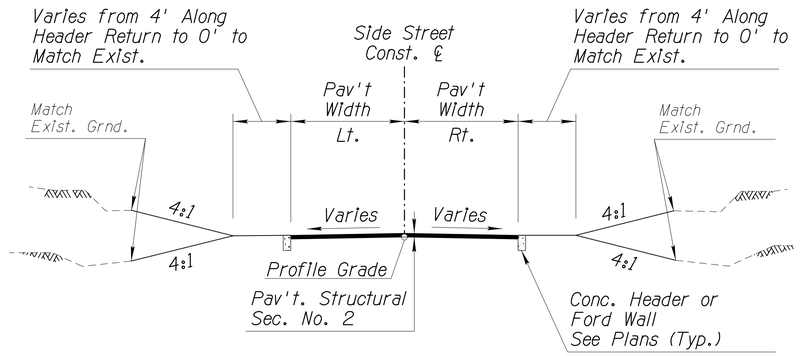
Scale:	N.T.S.	SheetTYP02of TYP03	Page 05 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNStyp02.dgn DATE: 4/18/2016 TIME: 12:17:26 PM KershnerM



TYPICAL SECTION

DRIVEWAYS



TYPICAL SECTION

SIDE STREETS

DRIVEWAY SUMMARY					
Driveway Name	*Location*	*Pav't Width (Lt.)*	*Pav't Width (Rt.)*	*Driveway Sheet No.*	*Staking Sheet No.*
Driveway No. 1	*Wilmot Rd. Sta. 442+23.54 Lt.*	*8'*	*8'*	*DP02*	*ST02*
Driveway No. 2	*Wilmot Rd. Sta. 452+81.32 Lt.*	*6'*	*6'*	*DP03*	*ST02*
Driveway No. 3	*Wilmot Rd. Sta 454+41.03 Lt.*	*10'*	*10'*	*DP04*	*ST02*
Driveway No. 4	*Wilmot Rd. Sta. 466+85.42 Lt.*	*10'*	*10'*	*DP05*	*ST03*
Driveway No. 5	*Wilmot Rd. Sta. 469+43.86 Lt.*	*10'*	*10'*	*DP05*	*ST03*

SIDE STREETS SUMMARY					
Street Name	*Location*	*Pav't Width (Lt.)*	*Pav't Width (Rt.)*	*Driveway Sheet No.*	*Staking Sheet No.*
Andrada Road	*Wilmot Rd. Sta. 374+00.32 Lt.*	*14.5'*	*14.5'*	*DP01*	*ST01*
Noyes Street	*Wilmot Rd. Sta. 434+83.59 Lt.*	*14.0'*	*14.0'*	*DP01*	*ST01*
Kryshann Street	*Wilmot Rd. Sta. 447+69.48 Lt.*	*14.0'*	*14.0'*	*DP02*	*ST02*
Hillock Street	*Wilmot Rd. Sta. 460+91.10 Lt.*	*14.0'*	*14.0'*	*DP04*	*ST03*

NOTES:

1. *Refer to Side Street & Driveway Plan & Profile Sheet No. Given for Additional Information.*
2. *Refer to Staking Sheet No. Given for Additional Grading Information.*

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

Designed	MPK	Date 04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 19990 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM TRANSPORTATION
AECOM USA, Inc.
335 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

ARIZONA811 (Call at least two full working days before you begin excavation. Arizona Blue Stake, Inc. 1-800-STAKE-IT (782-5348) or 811 Arizona Law (ARS 40-360.21 et seq.) requires notification of excavation or demolition activity.)

TYPICAL SECTIONS SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	*N.T.S.*	*SheetTYP03of TYP03*	*Page 06 of 140*

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNStyp03.dgn DATE: 4/18/2016 TIME: 12:17:46 PM KershnerM

TWO-WAY ROADWAY | ONE-WAY ROADWAY | ONE-WAY ROADWAY WITH STRUCTURE

LOCATION / BARRIER – NEW GUARDRAIL (No. 9050001)

Beginning Sta. (Approximate) (0)	Plan Reference Number □	Type "A" C-10.01, Type "B" C-10.02	C-10.03 (Timber)	C-10.04 (Steel)	Dtl.	Length (Linear Feet) (0.0)	C-10.06 Nested W-Beam ▲ Length (Linear Feet) (0.0)	C-10.07 Bolted Anchor (Each)	Shop Curved Guardrail Length (Linear Feet) (0.0)	Reconstruct-Exist. Post, Block	Reconstruct-New Post, Block	Remove and Salvage	Construct from Salvage	Remove
142+40 Rt.	8A	A	X			337.5								
147+18 Lt.	8B	A	X			162.5								
Sheet Total						500.0								

BARRIER – EXISTING GR / CONCRETE BARRIER / CABLE

Beginning Sta.	Existing GR: Length (Linear Feet) (0.0)	Existing GR: Remove Exist. Length (Linear Feet) (0.0)	C-10.40 (32" Median)	C-10.41 (42" Median)	C-10.50 (32" Half)	C-10.51 (32" Half w/ Sidewalk)	C-10.52 (32" Half w/ Gutter) △	C-10.53 (42" Half w/ Gutter) △	C-10.54 (32" Half at Piers)	C-10.55 (42" Half at Piers)	Bridge Barrier ◐	Length (Linear Feet) (0.0)	Cable: High-Tension Cable Barrier ● Length (Linear Feet) (0)	Cable: C-12.30 Chain-Link Cable Length (Linear Feet) (0.0)
142+40 Rt.														
147+18 Lt.														
Sheet Total														

TRANSITION / END TREATMENT

Beginning Sta.	Begin = Treatment at Beginning, End = Treatment at End	Rail (Each): C-10.30 Thrie Beam	Rail (Each): Thrie Beam ◐ SD 1.03 No. 9050430	Rail (Each): Reconstruct Rub Rail	Concrete Barrier (Each): C-10.70 32" or C-10.72 42"	C-10.71 32" or C-10.73 42" △	C-10.74 42" to 32"	C-10.75 32" (Mod) ◪	C-10.76 32" on Radius	Bridge Barrier ◐ SD 1.01	Action: New (No. 9100008)	Action: Reconstruct (See Special Prv) (No. 6011140)	Action: Remove and Salvage	Action: Construct from Salvage	Action: Remove	Each ◪: Tangent SKT-350 ◧○	Flared SRT-350 or FLEAT-350 ◧ (No. 9050020)	End Anchor C-10.08	High-Tension Cable Terminal (No. 9050036)	Sand Barrels C-1 or Dtl. ■	Attenuator Dtl.	BCT (L=12.5')	REMARKS
142+40 Rt.	Begin										X					1							See Dtl. RD04
	End										X					1							
147+18 Lt.	Begin										X					1							See Dtl. RD04
	End										X					1							
Sheet Total																4							

THE ZEROS IN PARENTHESES (0.0) INDICATE THE DIMENSIONAL PRECISION FOR THAT COLUMN

▲ THE LENGTH OF NESTED W-BEAM IS FOR TYPES 2 OR 3 (37.5'). DETERMINATION OF TYPE (1, 2 or 3) TO USE IS MADE IN THE FIELD. THE PAY QUANTITY IS THE ACTUAL LENGTH INSTALLED (25.0' or 37.5').

△ SPECIFY GUTTER WIDTH UNDER "REMARKS"

♦ BEGIN STATION AFTER BRIDGE TRANSITION

◒ SEE BRIDGE SHEETS FOR DETAILS AND QUANTITIES

● LENGTH IS FROM LENGTH OF NEED (LON) POINT TO LON POINT. ACTUAL SEGMENT LENGTH VARIES DEPENDING ON TERMINAL TYPE. SEE SPECIAL PROVISIONS.

○ TYPE SPECIFIED UNDER REMARKS

SEE ADOT STANDARD DRAWINGS FOR C STANDARDS

◇ SPECIFY TYPE 1 OR 2 UNDER 'REMARKS'

◪ ALLOWABLE END TREATMENT OPTIONS ARE INDICATED WITH THE NUMBER '1' IN THE SPACE. BLANK SPACES ARE NOT VIABLE ALTERNATIVES.

■ ARRAY TYPE AND ANGLE IS NOTED UNDER 'REMARKS'

◧ NOTE: FOR AS-BUILT PREPARATION - CIRCLE END TREATMENT INSTALLED

STATIONS ARE REFERENCED FROM WILMOT RD. CONST. ℄ UNLESS NOTED OTHERWISE

REV. DATE: 01/16/2009

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSsb01.dgn | DATE: 4/18/2016 | TIME: 12:18:14 PM | KershnerM

Priscilla S. Cornelio, P.E., Director

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation. ARIZONA811 Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602) 263-1100

Pima County Department of Transportation

BARRIER SUMMARY SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

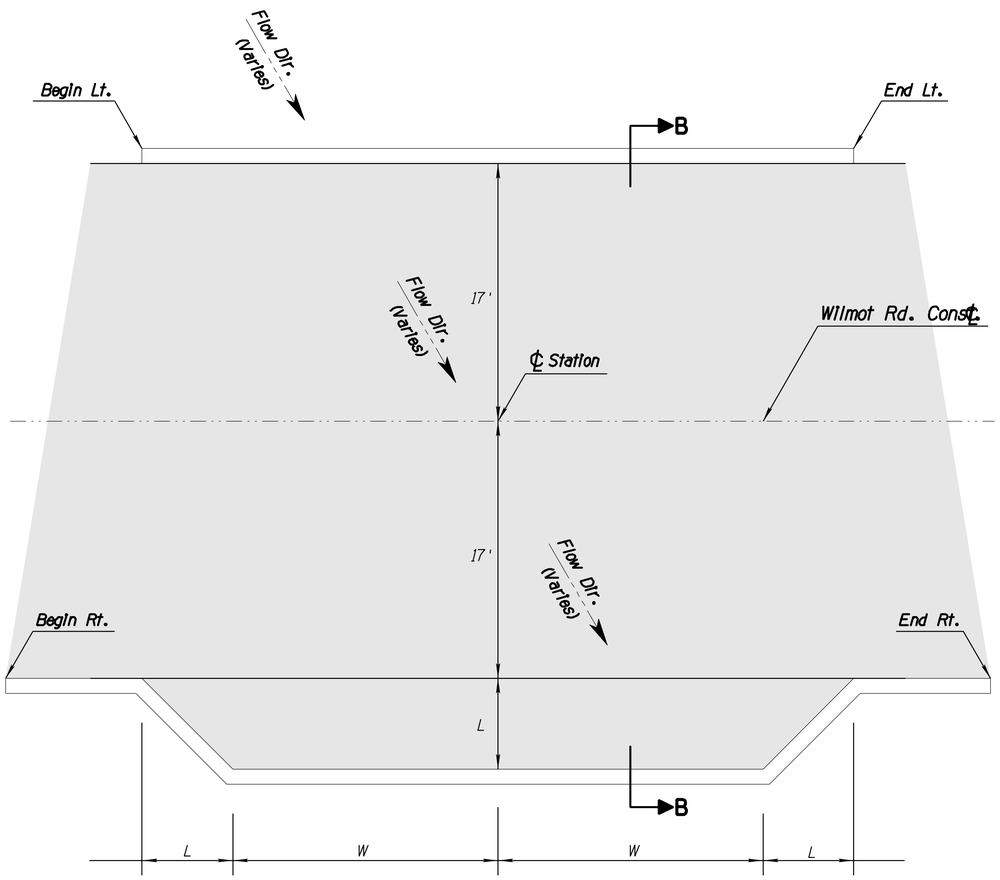
PROJECT NO. 4RTWNS

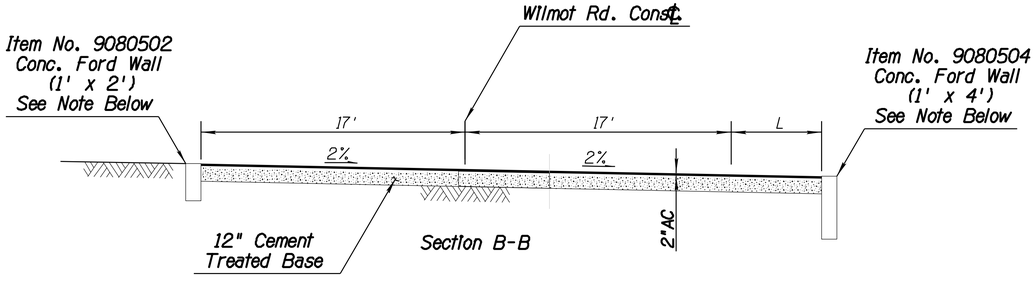
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: N.T.S. | Sheet SB01 of SB01 |

℄Station	Begin Lt.	End Lt.	Begin Rt.	End Rt.	L	W
N/A	101+65	105+75	101+65	105+75	N/A	N/A
116+70	114+30	118+90	114+30	118+90	18	15
132+55	129+70	140+45	129+70	140+45	18	10
162+75	158+65	166+00	158+65	166+00	18	15
181+31	179+70	184+00	179+70	184+00	18	7.5
N/A	186+70	190+25	186+70	190+25	N/A	N/A
204+85	202+95	206+45	202+95	206+45	18	15
210+85	209+50	214+00	209+50	214+00	18	15
211+75	209+50	214+00	209+50	214+00	18	15
213+42	209+50	214+00	209+50	214+00	18	7.5
N/A	230+55	232+40	230+55	232+40	N/A	N/A
N/A	237+05	238+35	237+05	238+35	N/A	N/A
242+50	241+10	244+50	241+10	244+50	18	10
251+65	250+50	252+55	250+50	252+55	18	15
267+27	266+85	268+00	266+85	268+00	18	15
284+00	283+70	284+30	283+70	284+30	18	10
293+35	293+00	295+40	293+00	295+40	18	15
295+05	293+00	295+40	293+00	295+40	18	15
307+25	305+55	308+75	305+55	308+75	18	15
N/A	312+80	313+70	312+80	313+70	N/A	N/A
316+15	315+20	318+00	315+20	318+00	18	65
321+40	321+00	321+85	321+00	321+85	18	20
332+75	331+75	333+20	331+75	333+20	18	15
337+75	335+40	339+70	335+40	339+70	18	15
339+30	335+40	339+70	335+40	339+70	18	15
348+28	347+95	353+00	347+95	353+00	18	7.5
361+75	361+30	373+51	361+30	374+50	18	15
364+75	361+30	373+51	361+30	374+50	18	10
369+25	361+30	373+51	361+30	374+50	18	15
373+10	361+30	373+51	361+30	374+50	13	10
385+27	385+00	385+60	385+00	385+60	13	10
392+45	392+15	415+25	392+15	415+25	13	15
395+95	392+15	415+25	392+15	415+25	13	10
397+60	392+15	415+25	392+15	415+25	13	10
398+30	392+15	415+25	392+15	415+25	13	10
399+80	392+15	415+25	392+15	415+25	13	10
400+65	392+15	415+25	392+15	415+25	13	10
406+65	392+15	415+25	392+15	415+25	13	15
409+92	392+15	415+25	392+15	415+25	13	10
411+61	392+15	415+25	392+15	415+25	13	10
412+41	392+15	415+25	392+15	415+25	13	10
421+15	420+85	421+50	420+85	421+50	13	15
428+85	428+50	429+25	428+50	429+25	13	15
434+94	434+35	437+20	434+35	437+20	13	15
436+07	435+33	437+20	434+35	437+20	13	15
436+92	435+33	437+20	434+35	437+20	13	10
454+00	453+02	454+02	453+02	457+70	13	15
N/A	454+72	457+70	453+02	457+70	N/A	N/A
N/A	461+95	464+10	461+95	464+10	N/A	N/A
N/A	469+79	471+10	469+75	471+00	N/A	N/A

NOTE: See Plan and Profile Sheets for Limits of Concrete Header





Note: Ford Walls to be Constructed per ADOT Standard Drawing C-19.10. Contractor to form Ford Walls as Necessary through Wash Crossings with no Weep Holes or Depth Guages.

DETAIL RD01

WILMOT ROAD DRAINAGE CROSSING

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
	KW	KW	EGM	EGM
Date	04/16	04/16	04/16	04/16

Registered Engineer (Civil) CERTIFICATE NO. 18164 WILLIAM D. SCHLESINGER Date Signed EXPIRES 6-30-2016

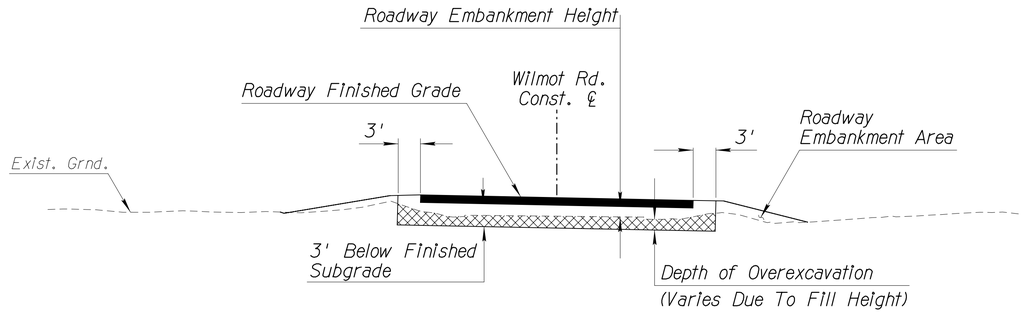
SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

DETAIL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

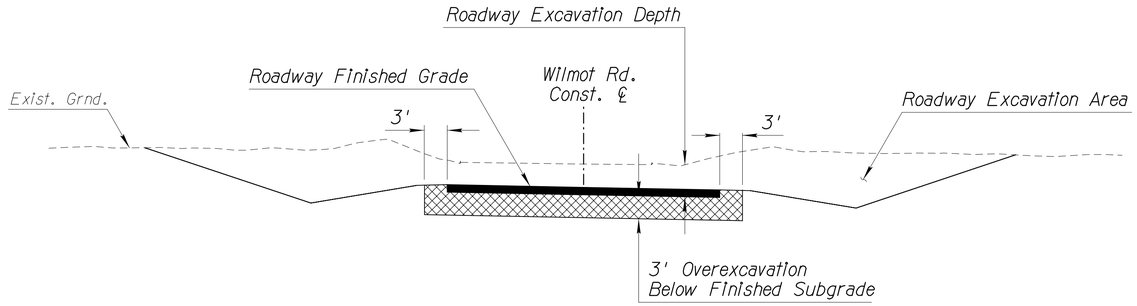
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet RD01 of RD05	Page 8 of 140

FILE NAME: ...\03 Sheets\4RTWNS_RD01.dgn
DATE: 4/16/2016 K. Watts TIME: 11:18:42 AM K. Watts



OVEREXCAVATION & REMOVAL
TYPICAL EMBANKMENT SECTION



OVEREXCAVATION & REMOVAL
TYPICAL EXCAVATION SECTION

OVEREXCAVATION & REMOVAL LIMITS

WILMOT RD. STATION	DEPTH OF OVEREXCAVATION
Sta. 113+25.00 to 118+25.00	3'
Sta. 202+25.00 to 208+25.00	3'
Sta. 308+50.00 to 313+00.00	3'
Sta. 347+50.00 to 352+50.00	3'
Sta. 382+50.00 to 387+50.00	3'
Sta. 408+25.00 to 412+50.00	3'
Sta. 422+50.00 to 427+50.00	3'
Sta. 447+50.00 to 451+75.00	3'

Based on Pavement R-Value of 20

LEGEND:

Overexcavation & Removal

NOTES:

1. All stations and offsets are referenced from the Wilmot Rd. Const. ℄.
2. Roadway embankment heights greater than 3' above existing grade do not require overexcavation and removal.
3. Total roadway embankment height plus overexcavation depth shall be 3' minimum.
4. All work for Overexcavation and Removal shall be paid under Bid Item No. 2030500, Excavation (Overexcavation and Removal), unless otherwise noted.

DETAIL RD02

PAVEMENT SUBGRADE
OVEREXCAVATION AND REMOVAL

Priscilla S. Cornelio, P.E., Director

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 40090 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM

TRANSPORTATION

AECOM USA, Inc.
3333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438

www.aecom.com

ARIZONA811

DETAIL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

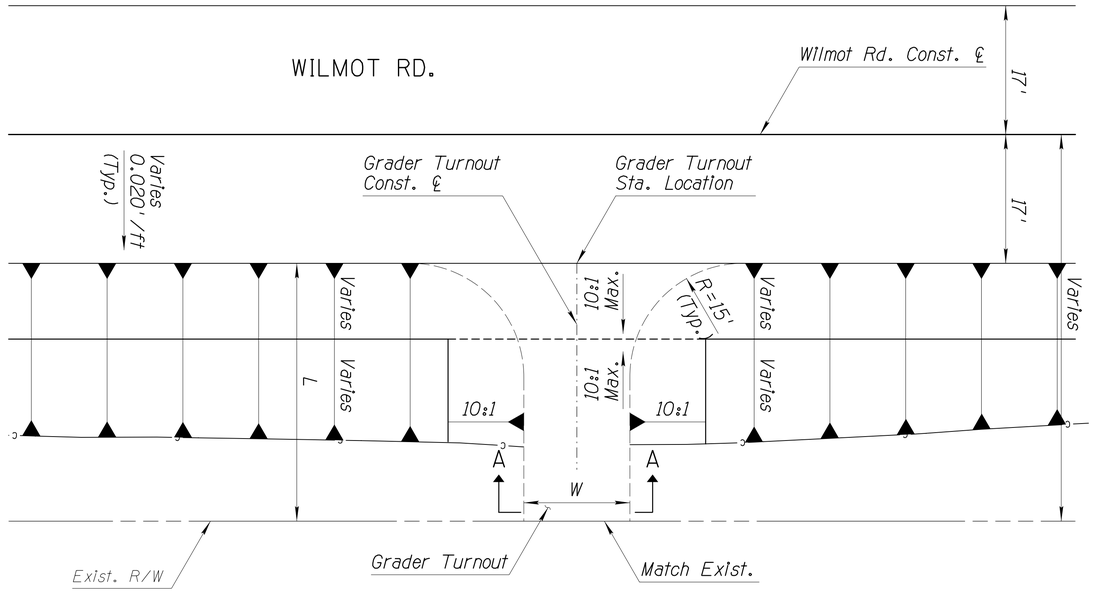
PROJECT NO. 4RTWNS

Pima County Department of Transportation

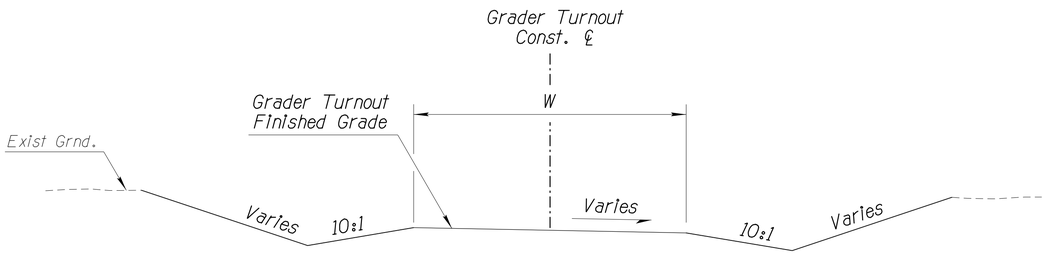
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet RD02 of RD05	Page 09 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_RD02.dgn DATE: 4/18/2016 TIME: 12:19:12 PM KershnerM



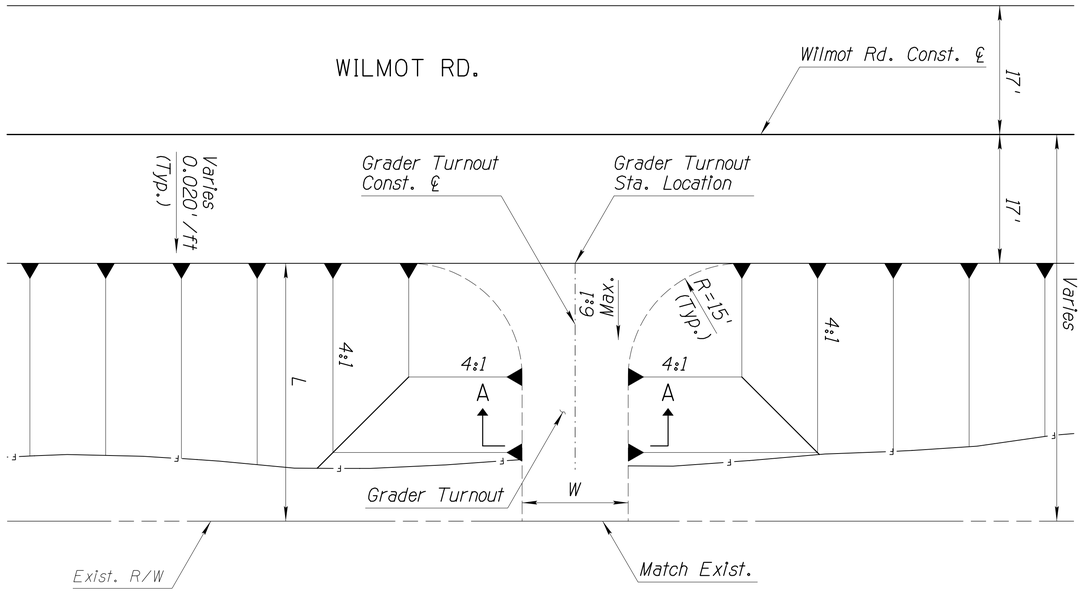
PLAN
GRADER TURNOUT IN CUT CONDITION



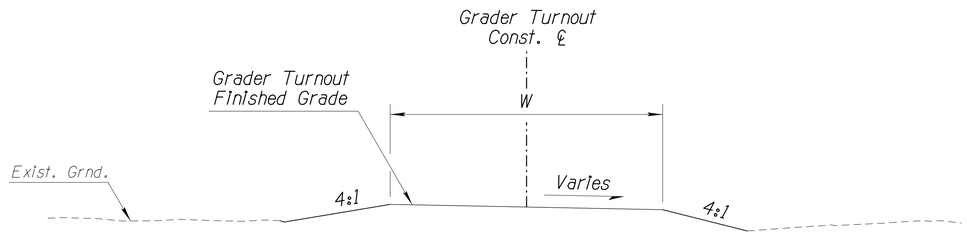
SECTION A-A

NOTE:

1. There will be no separate payment for Grader Turnouts as they are included in the cost of the earthwork items.



PLAN
GRADER TURNOUT IN FILL CONDITION



SECTION A-A

GRADER TURNOUTS

NO.	STATION	LOCATION	WIDTH (W) (Ft.)	LENGTH (L) (Ft.)	TYPE
1	109+78.70	Lt.	14	34	Fill
2	126+66.20	Rt.	20	52	Cut
3	144+68.46	Lt.	30	42	Cut
4	147+16.00	Rt.	12	13	Fill
5	173+84.56	Lt.	14	49	Cut
6	175+05.38	Rt.	14	69	Cut
7	176+08.65	Lt.	28	34	Cut
8	233+56.20	Lt.	14	34	Cut
9	233+55.34	Rt.	14	47	Cut
10	334+88.16	Rt.	14	35	Cut
11	440+00.00	Lt.	12	20	Cut
12	441+22.27	Rt.	14	20	Cut

DETAIL RD03

TYPICAL GRADER TURNOUT

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

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Professional Engineer (Civil) CERTIFICATE NO. 30090 MATTHEW P. KERSHNER REGISTERED DATE SIGNED
EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
3555 E. WETMORE RD. STE. 400
Tucson, Arizona 85705
T 520.887.7600 F 520.887.8438
www.aecom.com

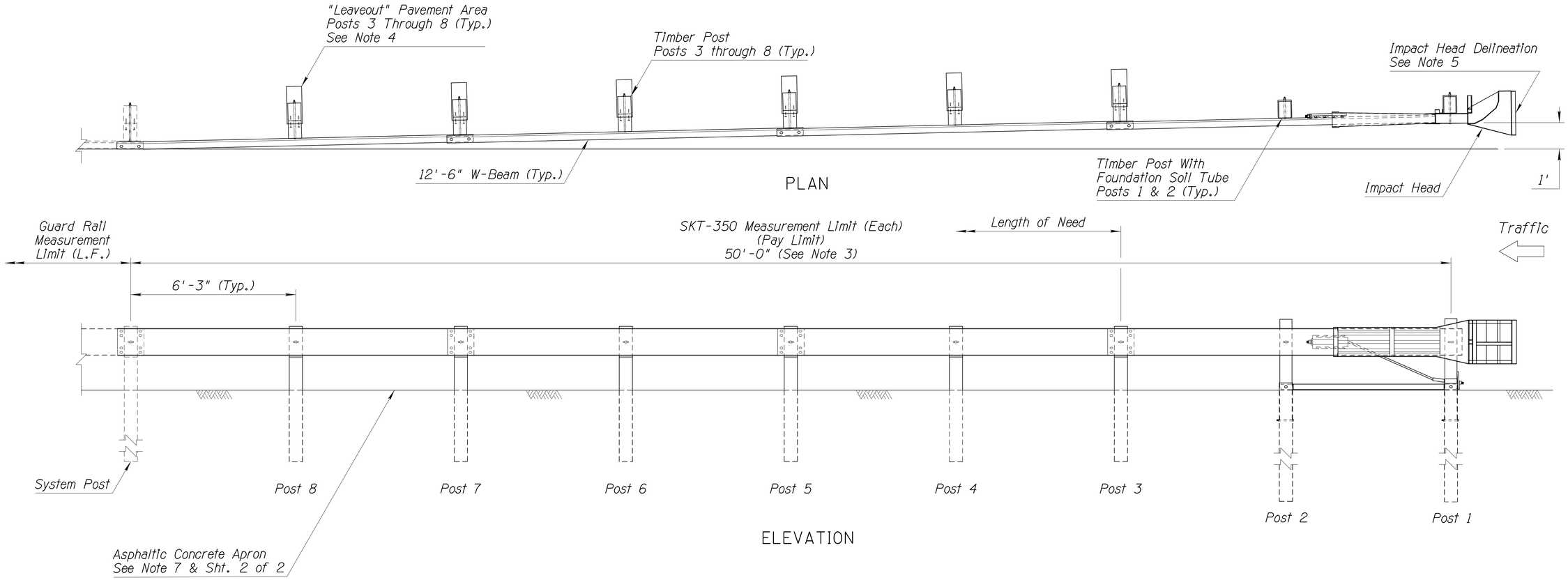
ARIZONA811
Call at least two full working days before you dig, it's the law!
Arizona Blue Stake, Inc. 1-800-STAKE-IT (782-5348)
Nor Arizona Control Center (602) 263-1100

DETAIL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet RD03 of RD05	Page 10 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_RD03.dgn
DATE: 4/18/2016 TIME: 12:19:31 PM KershnerM



NOTES:

1. This detail is for roadway layout only.
2. The SKT-350 shall be installed in accordance with the manufacturer's specifications and current approved drawings including all details, hardware, hardware quantities, and other information.

   The current manufacturer's approved drawing is number SKT-W-2US-AZ, 06/04/11. Visit the ADOT Roadway Design web site to view and print the drawing.
3. The 50' W-Beam length shall consist of four 12'-6" sections, the end section being a proprietary split rail.
4. "Leaveouts" in asphaltic concrete (AC) shall be provided in the AC pavement around the guard rail posts at the locations and dimensions specified on the manufacturer approved drawings. "Leaveout" material shall consist of a 1-sack grout mix or other non-cohesive material as approved by the Engineer.
5. See ADOT's Traffic Signing and Marking Standard Drawing M-34.
6. SKT-350 End Terminal shall be paid under Bid Item No. 9050020, Guard Rail Terminal (SKT 350).
7. Asphaltic concrete apron shall be paid under Bid Item No. 4060002, Asphaltic Concrete (No. 2).

DETAIL RD04

LAYOUT FOR SKT-350
2 FOUNDATION SOIL TUBES
(AC PAVEMENT)
SHEET 1 OF 2

Priscilla S. Cornelio, P.E., Director

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Call at least two full working days before you begin excavation
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
Visit our Web Site: www.aecom.com

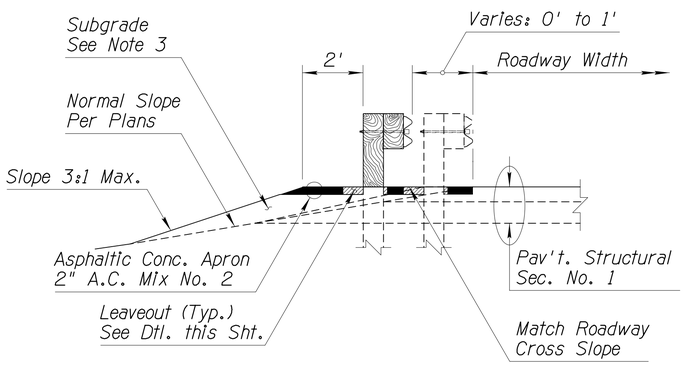
Pima County Department of Transportation

DETAIL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

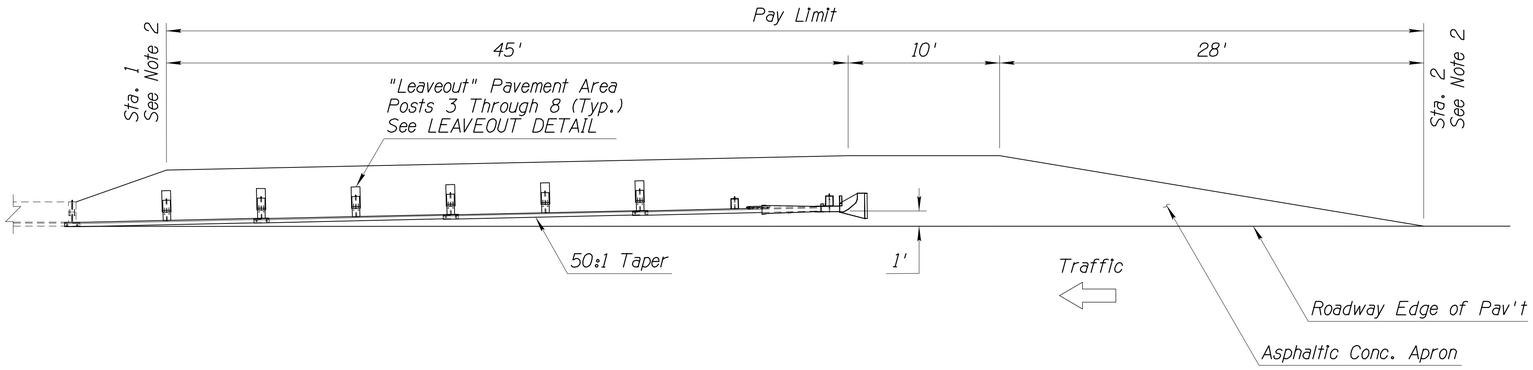
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet RD04 of RD05	Page 11 of 140

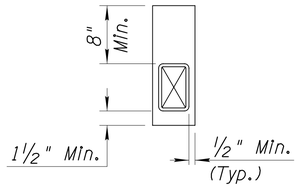
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_rd04_1.dgn DATE: 4/18/2016 TIME: 12:19:50 PM KershnerM



TYPE A SECTION



TYPE A GUARD RAIL INSTALLATION
(FACE OF RAIL AT EDGE OF PAVEMENT)



LEAVEOUT DETAIL

NOTES:

1. *The control height for the guard rail system is 28" to the top of rail, measured at the face of rail from the normal finished shoulder elevation.*
2. *See Station Table this sheet for guard rail terminal apron locations.*
3. *See Section 203 of the Standard Specification for subgrade preparation.*
4. *SKT-350 End Terminal shall be paid under Bid Item No. 9050020, Guard Rail Terminal (SKT 350).*
5. *Asphaltic concrete apron shall be paid under Bid Item No. 4060002, Asphaltic Concrete (No. 2).*

STATION TABLE

CONTROL LINE	STA. 1	STA. 2
Wilmot Rd. Const. ℄	147+59.56, Lt.	146+76.56, Lt.
Wilmot Rd. Const. ℄	149+22.47, Lt.	150+05.47, Lt.
Wilmot Rd. Const. ℄	142+83.87, Rt.	142+01.24, Rt.
Wilmot Rd. Const. ℄	146+22.09, Rt.	147+04.73, Rt.

DETAIL RD04

LAYOUT FOR SKT-350
2 FOUNDATION SOIL TUBES
(AC PAVEMENT)
SHEET 2 OF 2

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Professional Engineer (Civil) CERTIFICATE NO. 22... REGISTERED ARIZONA — ANDREW P. MATTHEW KERSHNER — DATE SIGNED 9/18/17 — EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
3311 E. WILLIAMS FIELD RD. STE 400
Tucson, Arizona 85706
T 520.867.7800 F 520.867.8438
www.aecom.com

Call at least two full working days before you dig
ARIZONA811
Arizona Blue Stake, Inc.
Not a locator • Lines not marked • 811 or 8-1-1

Pima County Department of Transportation

DETAIL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

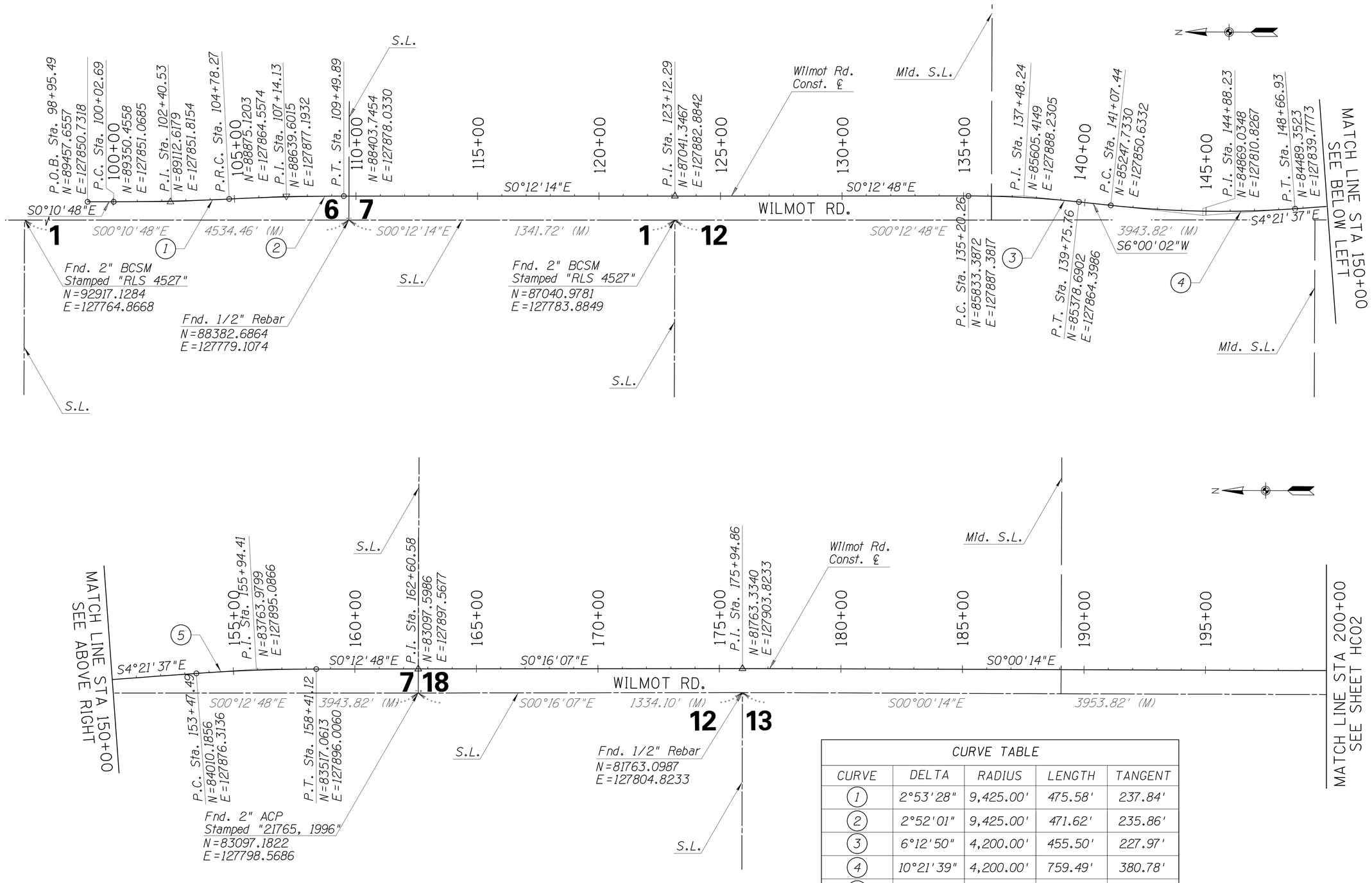
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet RD05 of RD05	Page 12 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_rd04_2.dgn

DATE: 4/18/2016 TIME: 12:20:22 PM KershnerM



CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
(1)	2°53'28"	9,425.00'	475.58'	237.84'
(2)	2°52'01"	9,425.00'	471.62'	235.86'
(3)	6°12'50"	4,200.00'	455.50'	227.97'
(4)	10°21'39"	4,200.00'	759.49'	380.78'
(5)	4°08'49"	6,820.00'	493.63'	246.92'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19990 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
335 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

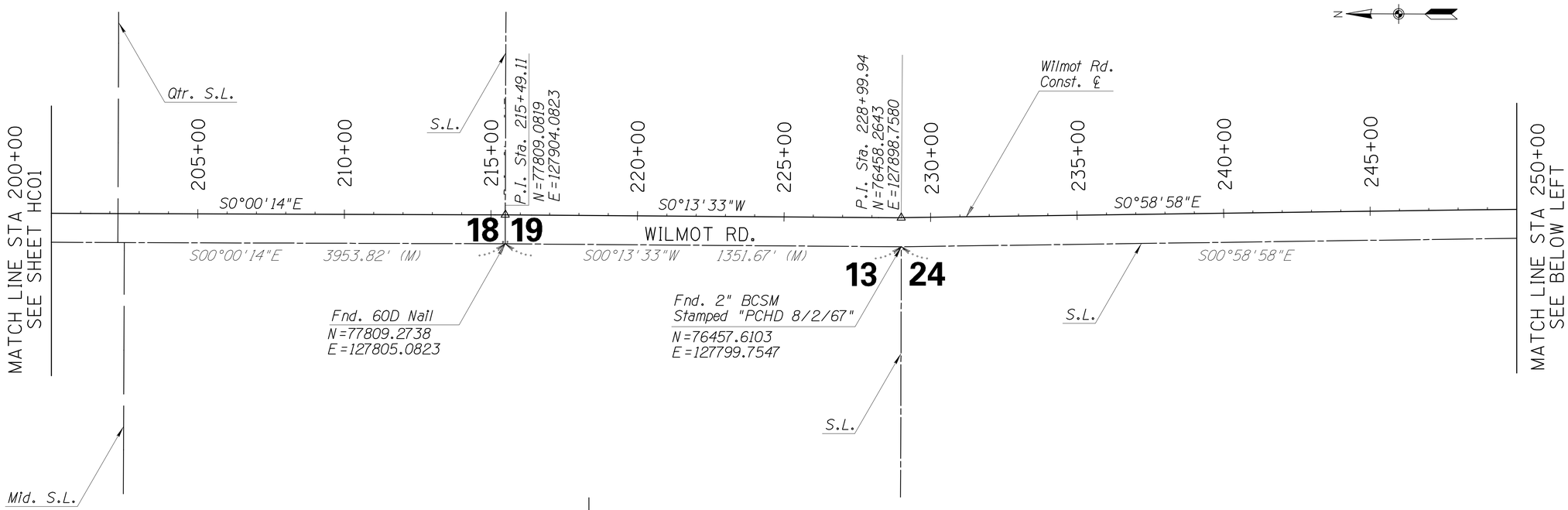
Pima County Department of Transportation

HORIZONTAL CONTROL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 99+65.00 TO STA. 200+00.00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1"=200'	Sheet HC01 of HC04	Page 13 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNShc01.dgn DATE: 4/18/2016 TIME: 12:23:23 PM KershnerM



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig. Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) Mexican Company Phone 1-800-253-1990

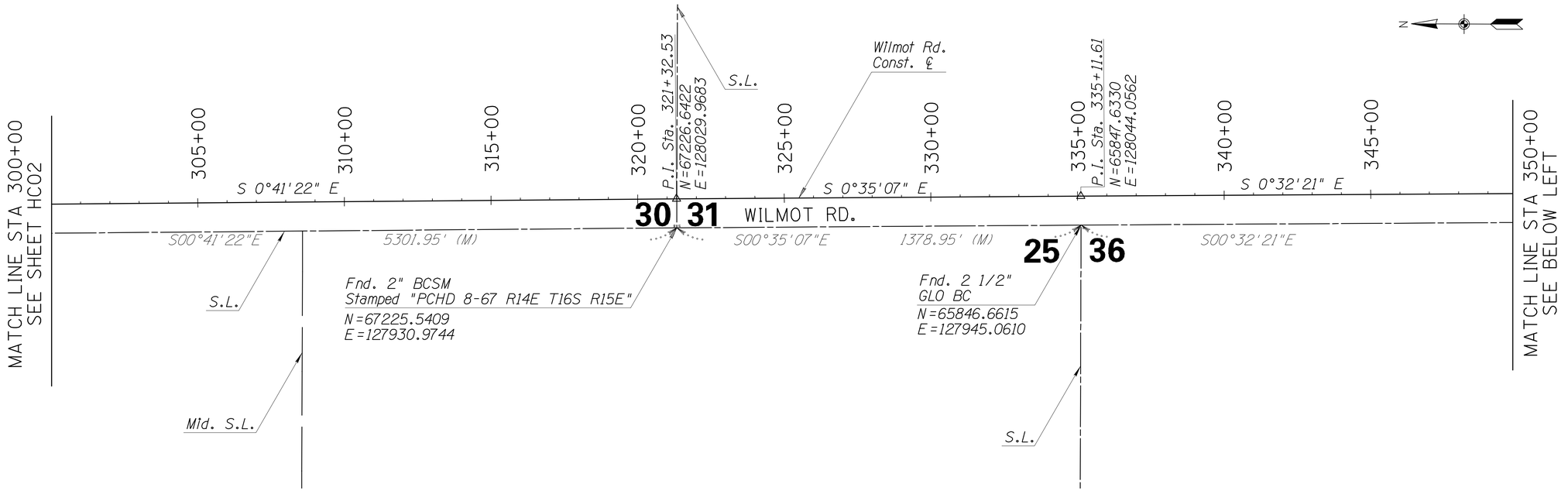
Pima County Department of Transportation

HORIZONTAL CONTROL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 200+00.00 TO STA. 300+00.00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"=200'	Sheet HC02 of HC04	Page 14 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNShc02.dgn DATE: 4/18/2016 TIME: 12:23:55 PM KershnerM



CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
6	4°37'50"	9,425.00'	761.71'	381.06'
7	4°38'21"	9,425.00'	763.15'	381.78'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig. Arizona Blue Stake, Inc.
ARIZONA 811
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
Mexican Company Phone 1-800-253-1990

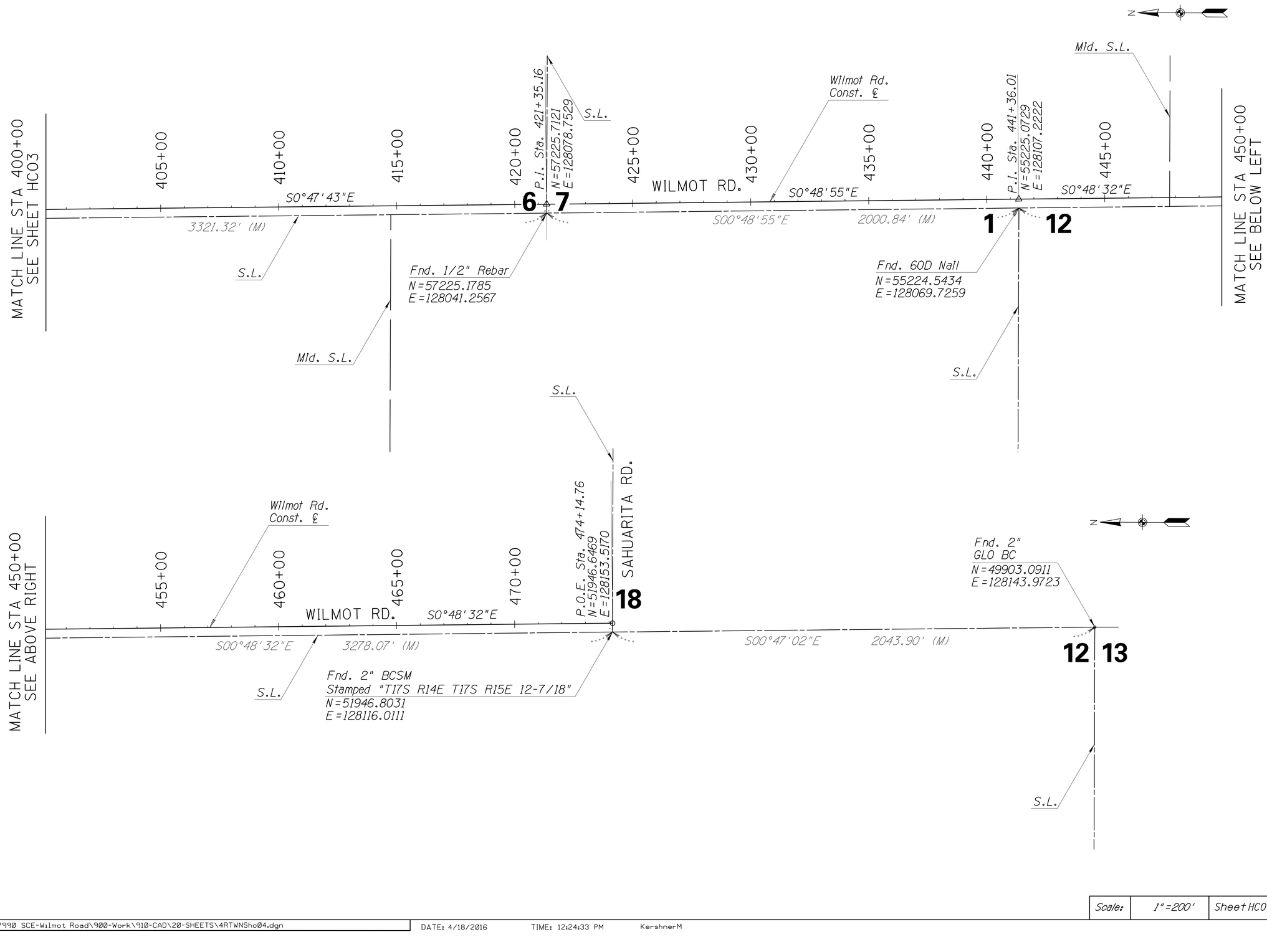
Pima County Department of Transportation

HORIZONTAL CONTROL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 300+00.00 TO STA. 400+00.00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1"=200' | Sheet HC03 of HC04 | Page 15 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNShc03.dgn DATE: 4/18/2016 TIME: 12:24:14 PM KershnerM



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19080 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
335 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Arizona Blue Stake, Inc. Call at least two full working days before you dig, grade or excavate. Arizona Blue Stake, Inc. 1-800-STAKE-IT (782-5348) or 811 Not a locate request, please call 602-263-1100

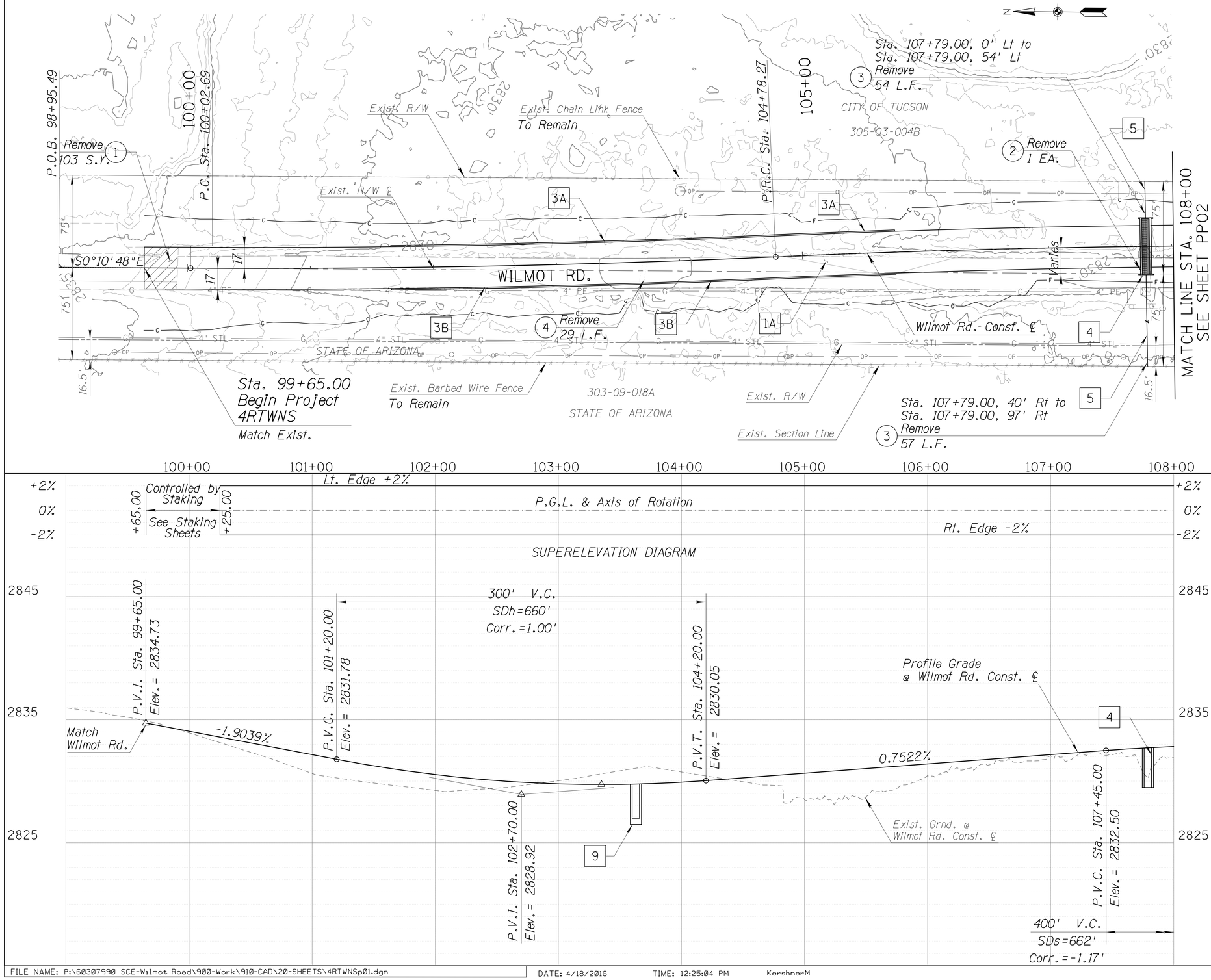
Pima County Department of Transportation

HORIZONTAL CONTROL SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 400+00.00 TO STA. 474+14.76
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1"=200'	Sheet HC04 of HC04	Page 16 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNShc04.dgn DATE: 4/18/2016 TIME: 12:24:33 PM KershnerM



REMOVAL ITEMS (See Note 3)

1. Remove Pavement, Total= 103 S.Y.
2. Remove Cattle Guard, Total= 1 EA.
3. Remove Fence, Total= 111 L.F.
4. Remove Pipe, Total= 29 L.F.

NEW ITEMS

1 Pavement

- **A** Structural Section No. 1
  Install 28,090 S.F.

3 Conc. Ford Wall

- **A** See Dtl. RD01
  Bid Item No. 9080502
  Install 410 L.F.
- **B** See Dtl. RD01
  Bid Item No. 9080504
  Install 410 L.F.

4 Cattle Guard, 6-Unit

ADOT Std. Dwg. C-11.10
Sta. 107+79.00
Bid Item No. 9060021
Install 1 EA.

5 Barbed Wire Fence, Type 1

ADOT Std. Dwg. C-12.10
Sta. 107+79.00, 53.00' Lt. to
Sta. 107+79.00, 19.00' Lt.
Sta. 107+79.00, 19.00' Rt. to
Sta. 107+79.00, 97.00' Rt.
Bid Item No. 9020301
Install 104 L.F.

NOTES

1. See Signing Sheets for Sign Removals.
2. See Staking Sheet ST01.
3. All removals shall be paid under Bid Item No. 2020001, Removal of Structures and Obstructions.

LEGEND

Pavement Removal

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 5/31/16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Arizona Blue Stake, Inc. Call at least two full working days before you dig. ARIZONA 811 Arizona Law requires notification of excavation activity. Dial 811 or 1-800-STAKE-IT (1-800-782-5348) for the location of underground utilities.

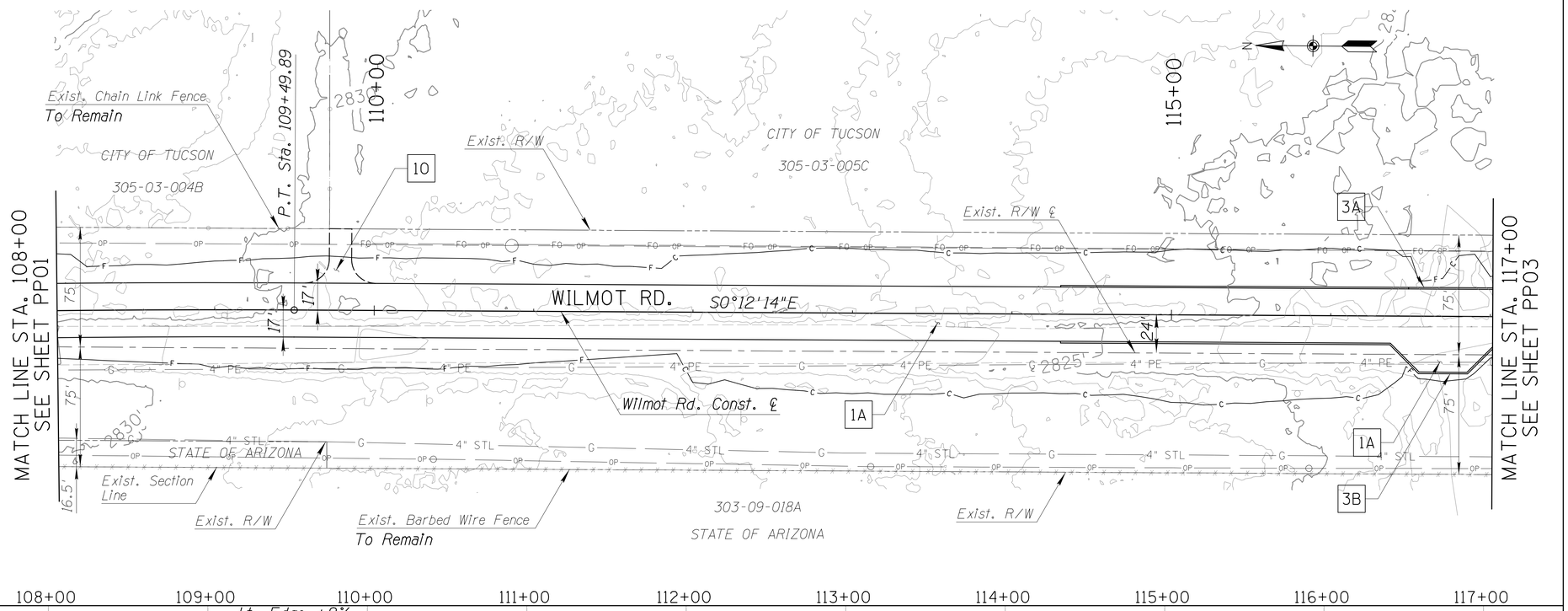
Pima County Department of Transportation

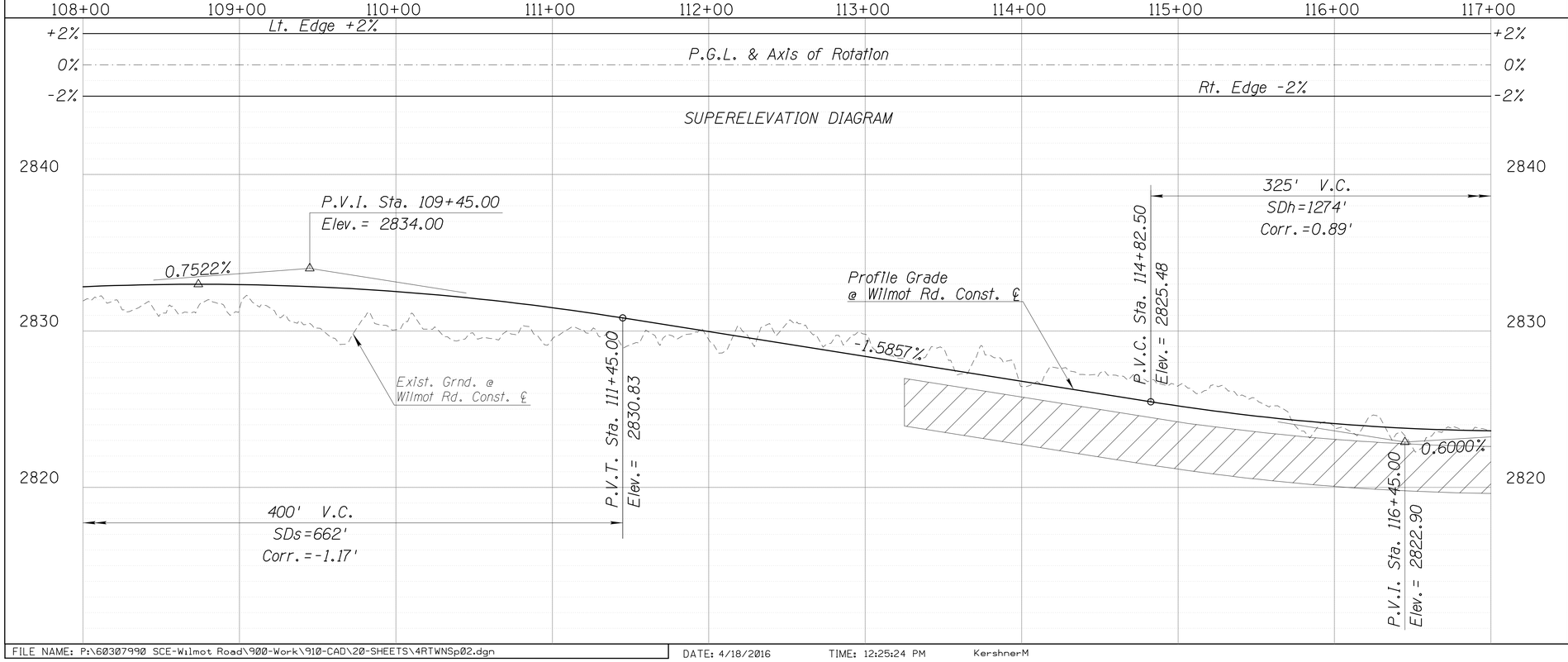
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 99+65 TO STA. 108+00
PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP01 of PP42 | Page 17 of 140

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp01.dgn DATE: 4/18/2016 TIME: 12:25:04 PM KershnerM





NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 31,464 S.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 270 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 283 L.F.

10 *Grader Turnout*
See Dtl. RD03

NOTE

1. *See Signing Sheets for Sign Removals.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 36609 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

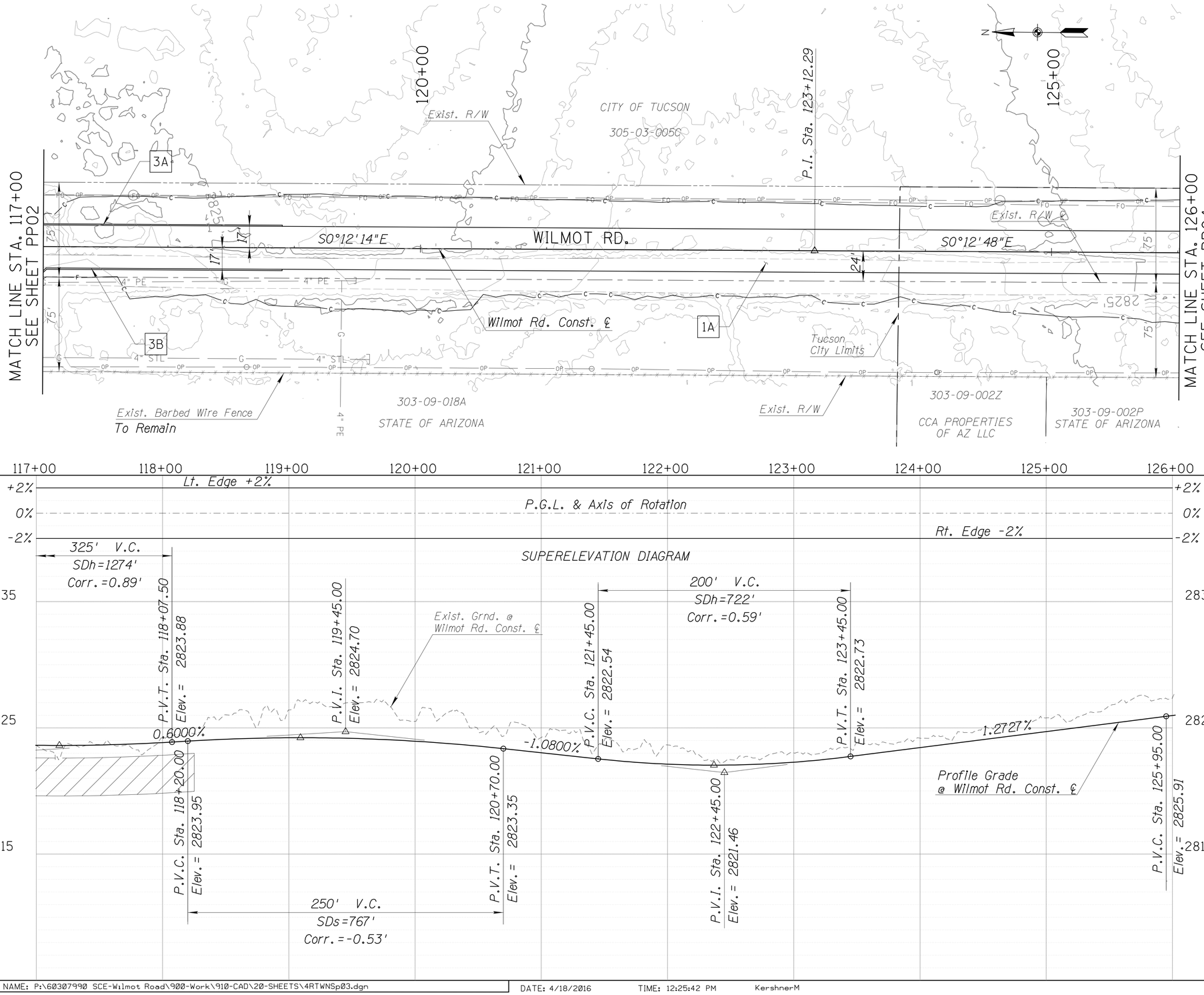
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 108+00 TO STA. 117+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP02 of PP42	Page 18 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp02.dgn DATE: 4/18/2016 TIME: 12:25:24 PM KershnerM



NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 30,600 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 190 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 190 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

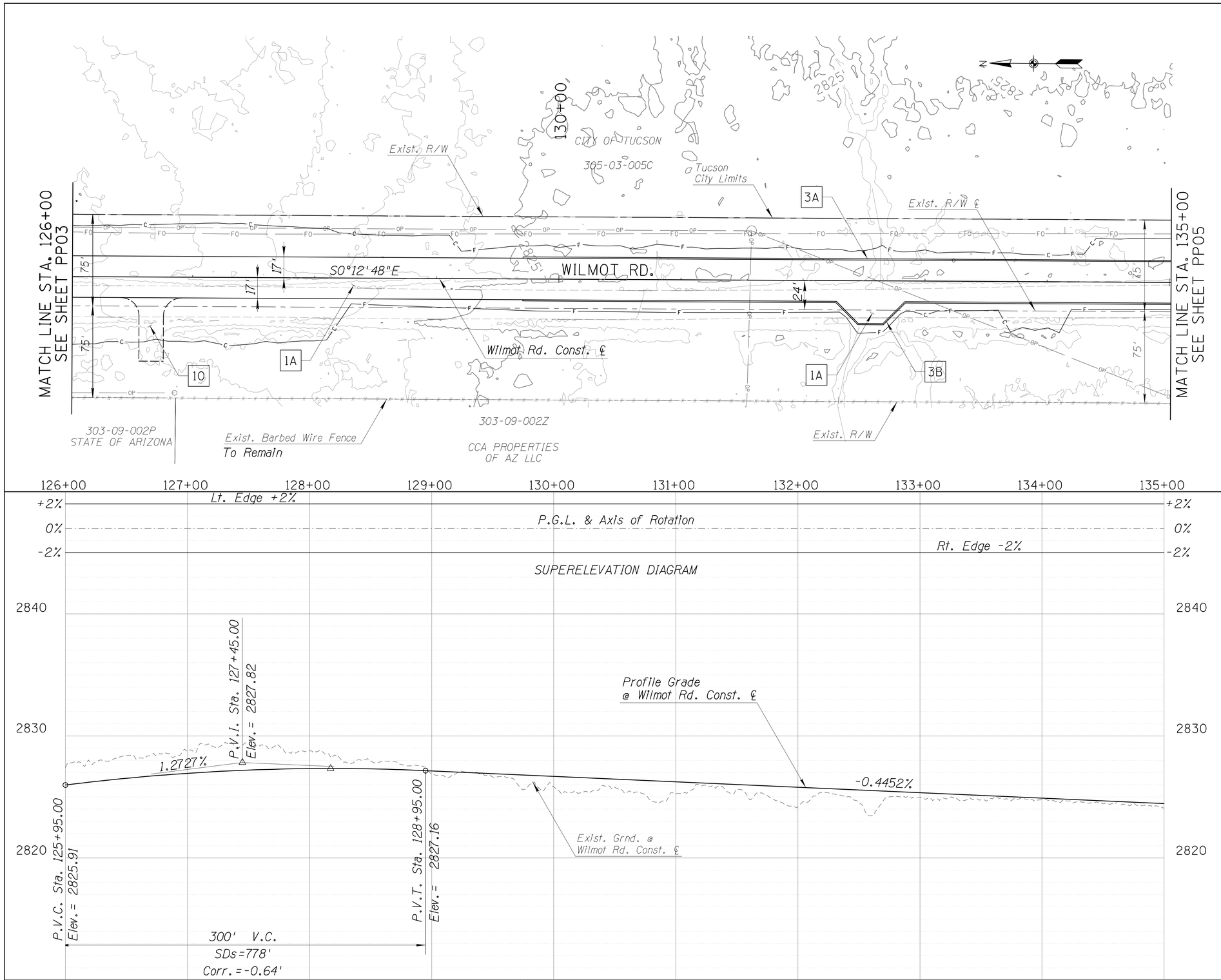
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 117+00 TO STA. 126+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP03 of PP42	Page 19 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp03.dgn DATE: 4/18/2016 TIME: 12:25:42 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,284 S.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 530 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 545 L.F.

10 Grader Turnout

See Dtl. RD03

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-ST (782-5348)
Mexican Company (800) 253-1189

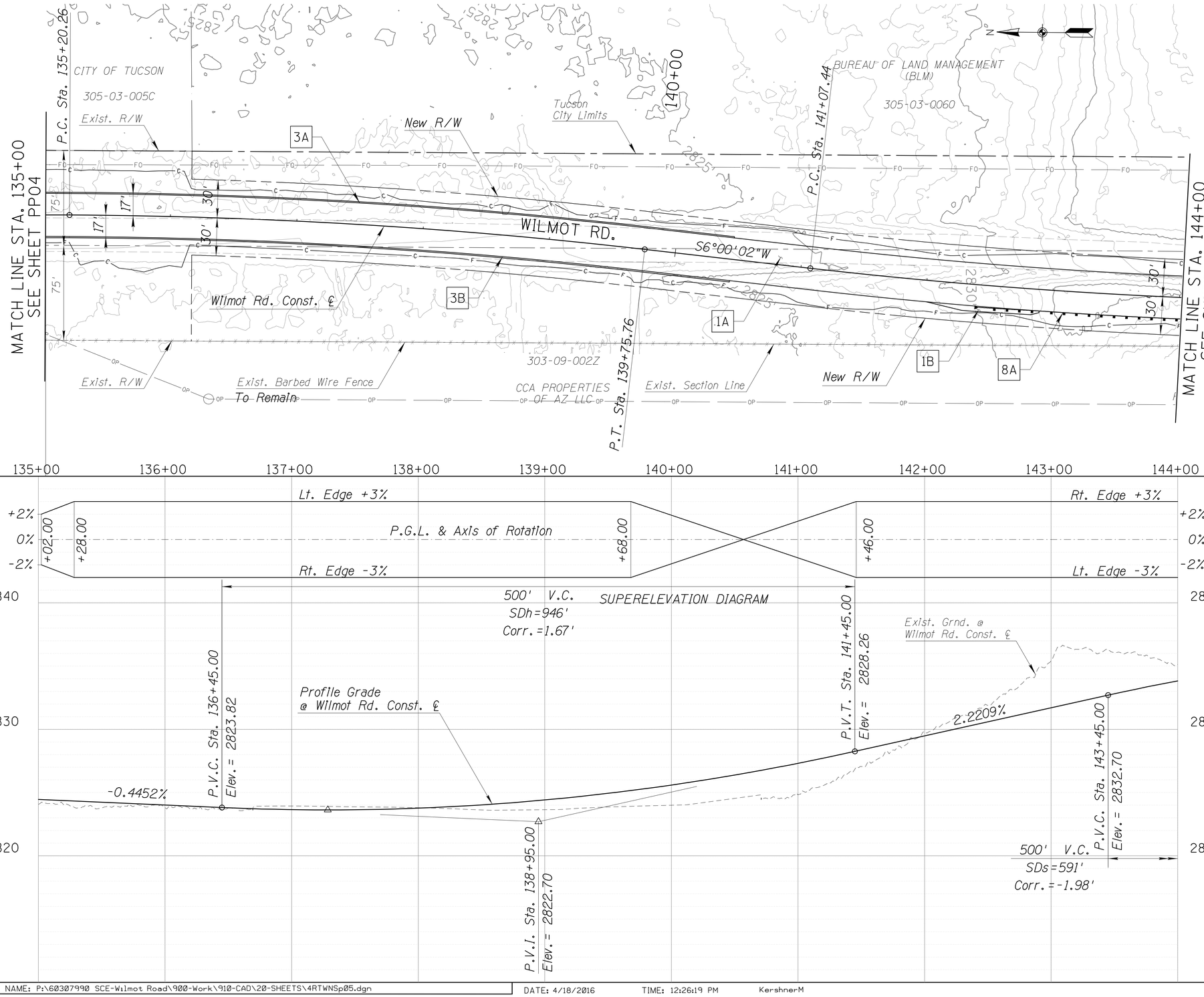
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA.126+00 TO STA.135+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP04 of PP42 | Page 20 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp04.dgn DATE: 4/18/2016 TIME: 12:26:00 PM KershnerM



NEW ITEMS

- 1 *Pavement*
  - A *Structural Section No. 1*
    Install 30,600 S.F.
  - B *Structural Section No. 2*
    Install 298 S.F.
- 3 *Conc. Ford Wall*
  - A *See Dtl. RD01*
    Bid Item No. 9080502
    Install 547 L.F.
  - B *See Dtl. RD01*
    Bid Item No. 9080504
    Install 545 L.F.
- 8A *New Guard Rail*
  Sta. 142+40 Rt.
  See Barrier Summary
  Sheet SB01

NOTE

1. *See Signing Sheets for Sign Removals.*

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) CERTIFICATE NO. 30003 MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

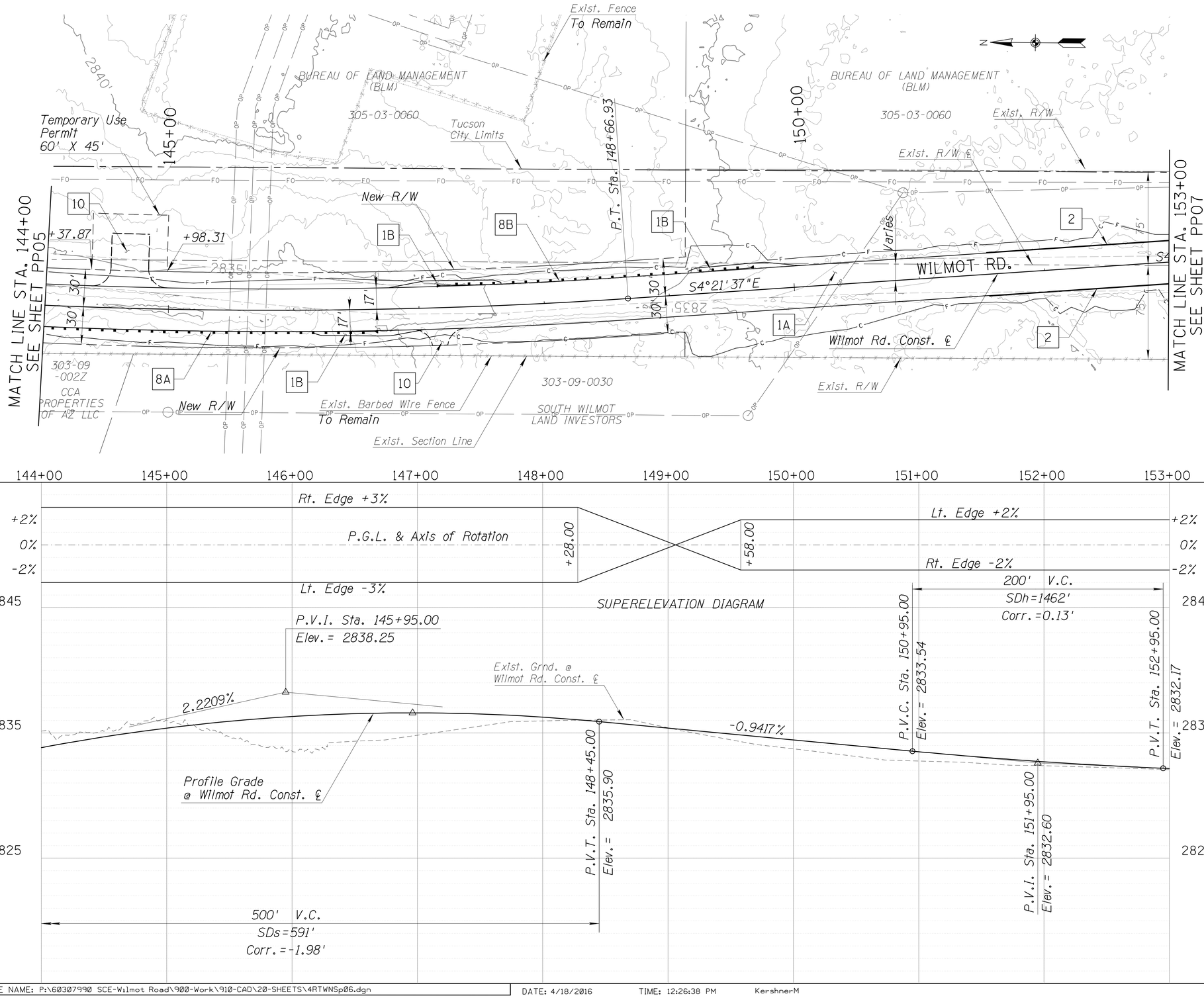
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA.135+00 TO STA.144+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP05 of PP42	Page 21 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp05.dgn DATE: 4/18/2016 TIME: 12:26:19 PM KershnerM



NEW ITEMS

1 *Pavement*

- **A** *Structural Section No. 1*
  Install 30,600 S.F.
- **B** *Structural Section No. 2*
  Install 870 S.F.

2 *Conc. Header*

Std. Dtl. 213
Sta. 151+55.00, 17.00' Lt. to
Sta. 153+00.00, 17.00' Lt.
Sta. 151+55.00, 17.00' Rt. to
Sta. 153+00.00, 17.00' Rt.
Bid Item No. 9080402
Install 290 L.F.

8A *New Guard Rail*

Sta. 142+40 Rt.
See Barrier Summary
Sheet SB01

8B *New Guard Rail*

Sta. 147+18 Lt.
See Barrier Summary
Sheet SB01

10 *Grader Turnout*

See Dtl. RD03

NOTE

1. *See Signing Sheets for Sign Removals.*

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

No.	Revision Description	Engineer	Date

Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA.144+00 TO STA.153+00
PROJECT NO. 4RTWNS

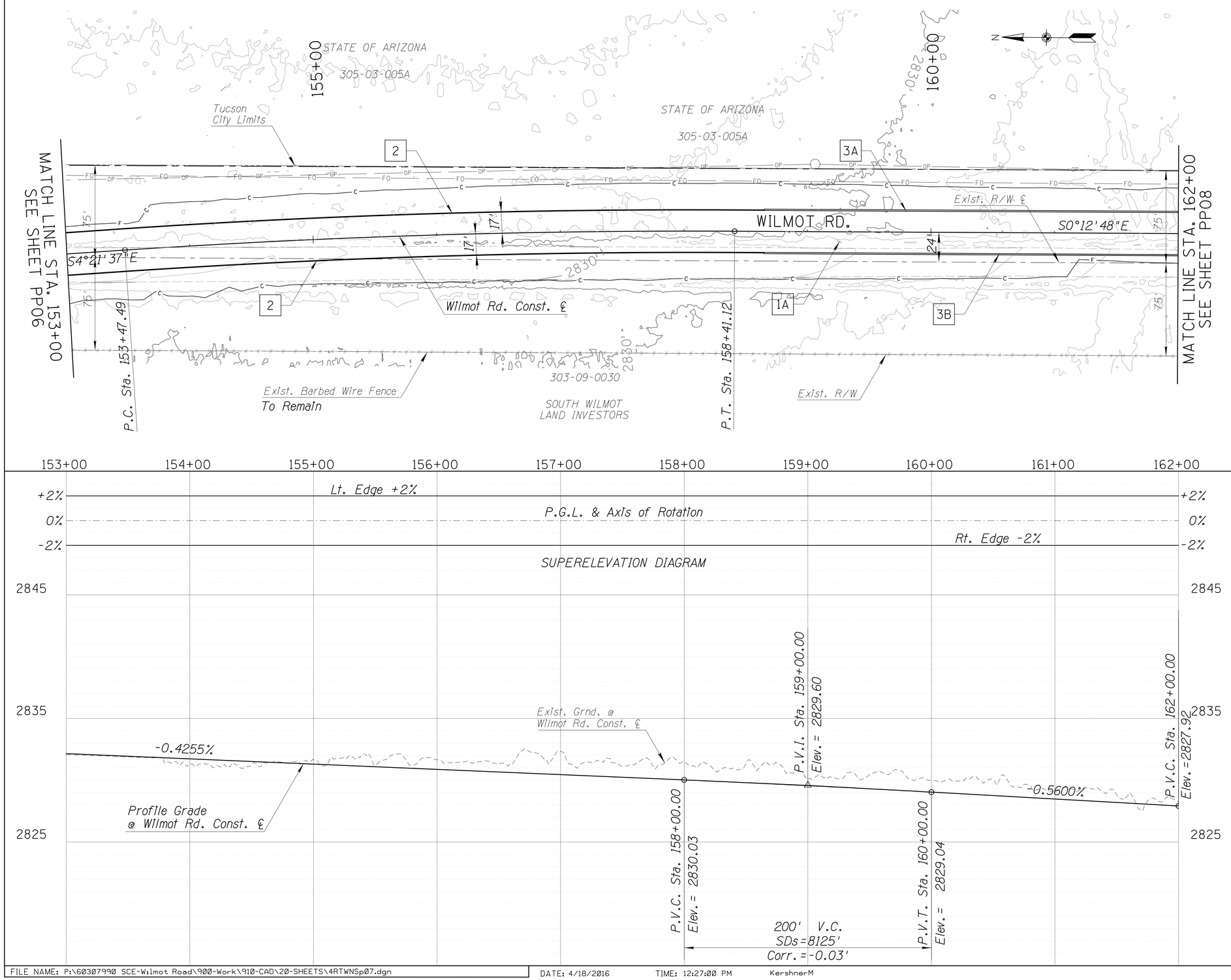
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 6/30/16 EXPIRES 6-30-16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP06 of PP42	Page 22 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp06.dgn DATE: 4/18/2016 TIME: 12:26:38 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 30,600 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 153+00.00, 17.00' Lt. to
Sta. 158+65.00, 17.00' Lt.
Sta. 153+00.00, 17.00' Rt. to
Sta. 158+65.00, 17.00' Rt.
Bid Item No. 9080402
Install 1,130 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 335 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 335 L.F.

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

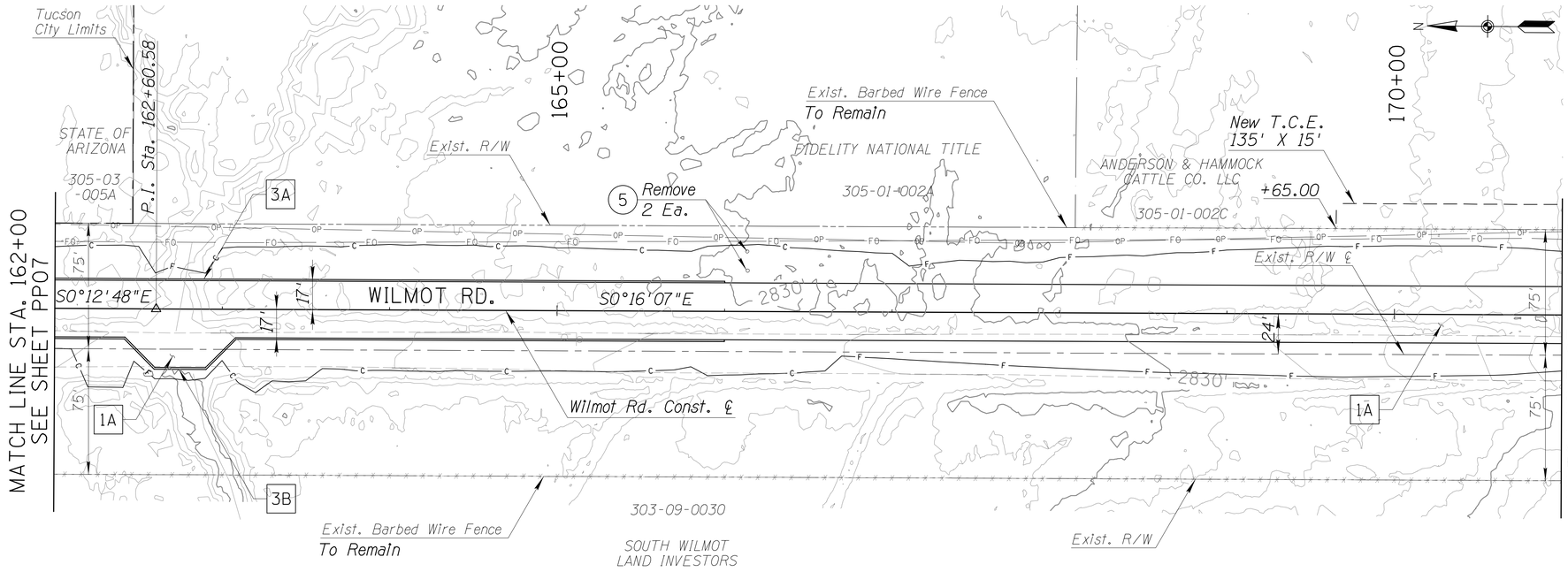
Pima County Department of Transportation

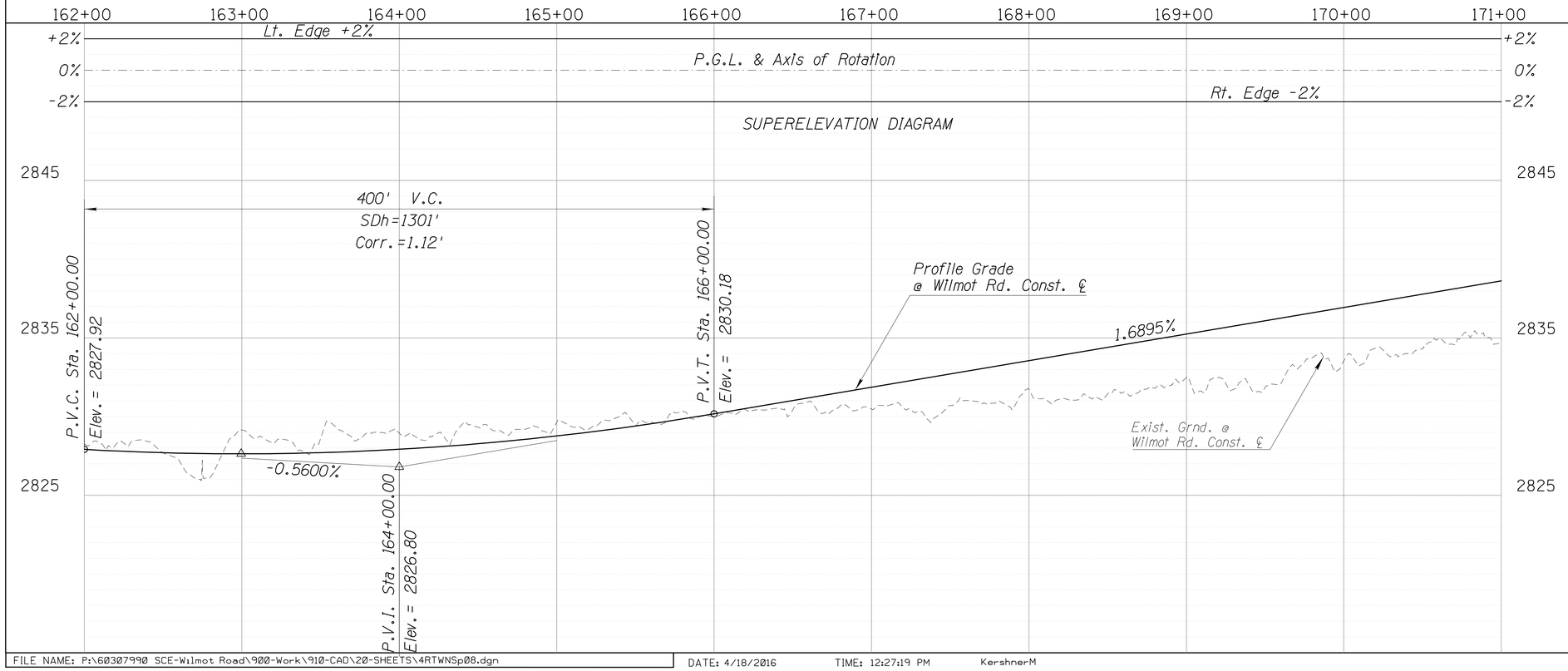
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA.153+00 TO STA.162+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP07 of PP42	Page 23 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp07.dgn DATE: 4/18/2016 TIME: 12:27:00 PM KershnerM





REMOVAL ITEMS (See Note 2)

(5) *Remove Wooden Utility Pole Stump, Total = 2 Ea.*

NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1 Install 31,465 S.F.*

3 *Conc. Ford Wall*

- A *See Dtl. RD01 Bid Item No. 9080502 Install 400 L.F.*
- B *See Dtl. RD01 Bid Item No. 9080504 Install 415 L.F.*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

SCALE: 1"=40'

No.	Revision Description	Engineer	Date

	Designed	MPK	04/16
	Drawn	MPK	04/16
	Checked	CJR	04/16
	Proj. Engr.	MPK	04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 162+00 TO STA. 171+00
PROJECT NO. 4RTWNS

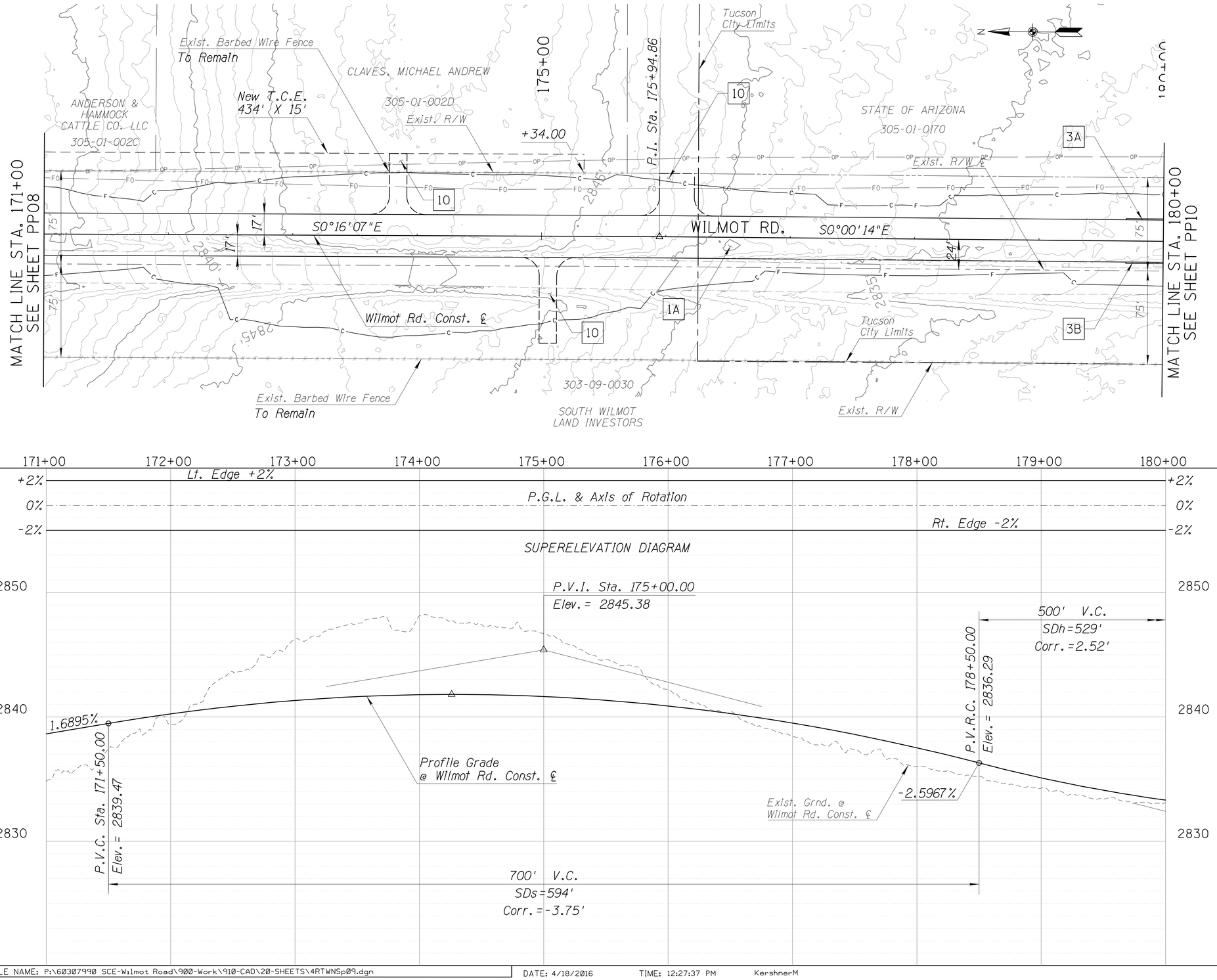
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP08 of PP42	Page 24 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp08.dgn DATE: 4/18/2016 TIME: 12:27:19 PM KershnerM



NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 30,600 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 30 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 30 L.F.

10 *Grader Turnout*
See Dtl. RD03

NOTE

1. *See Signing Sheets for Sign Removals.*

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP09 of PP42	Page 25 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp09.dgn DATE: 4/18/2016 TIME: 12:27:37 PM KershnerM

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

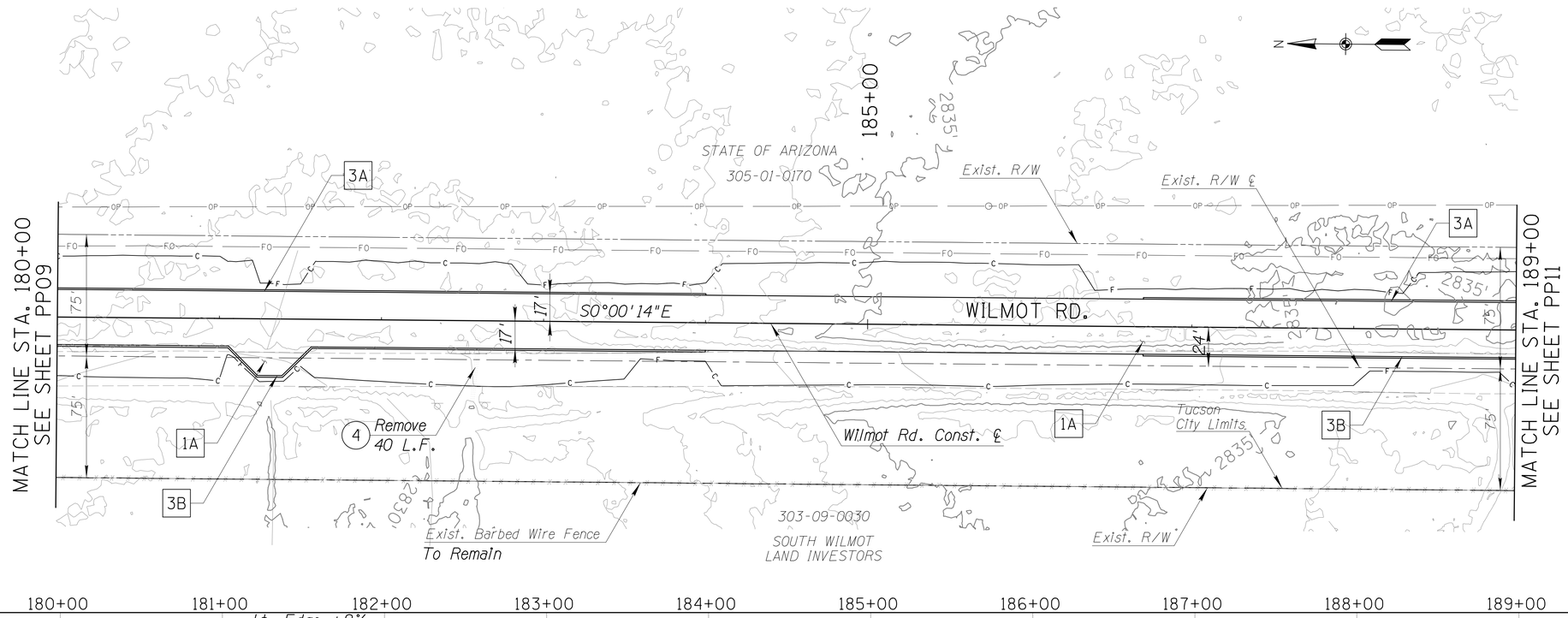
REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER CERTIFICATE NO. 36183 DATE SIGNED 6-30-16 EXPIRES 6-30-16

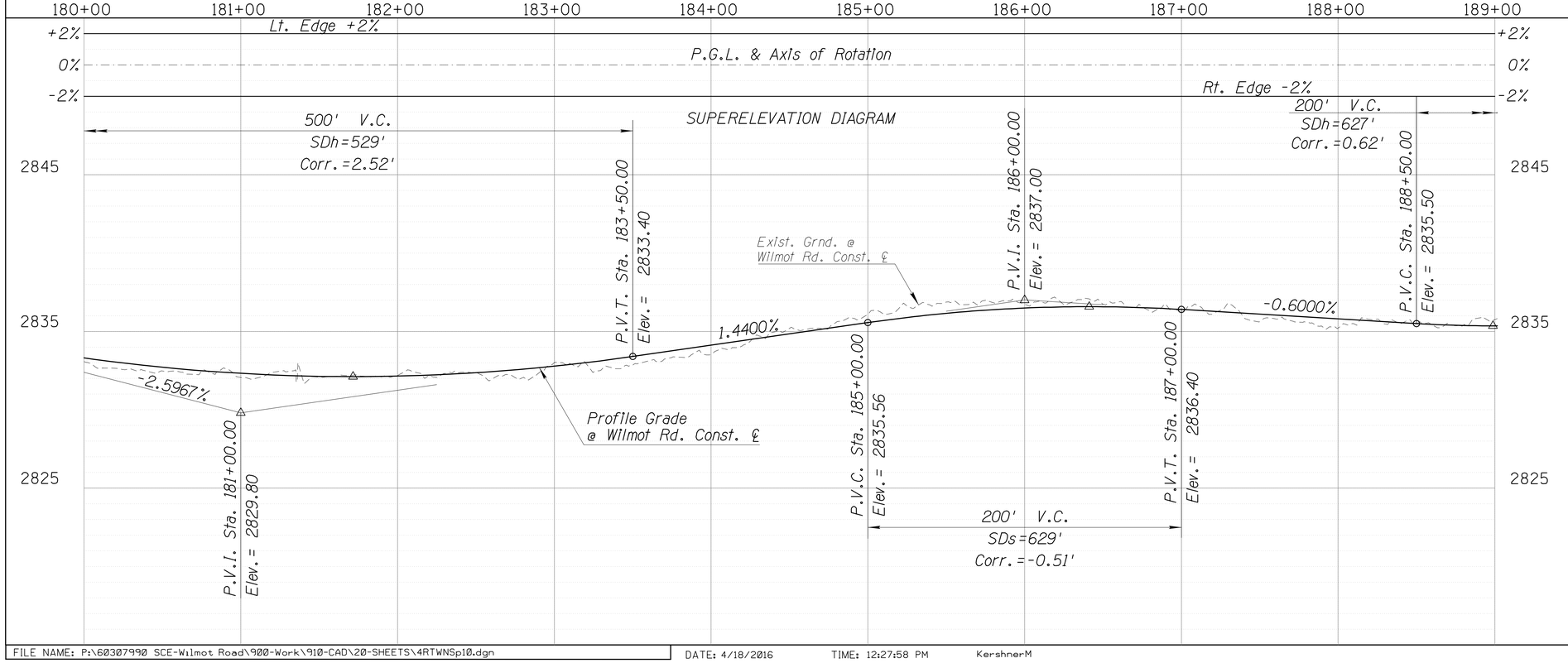
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 171+00 TO STA. 180+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS





REMOVAL ITEMS (See Note 2)

(4) *Remove Pipe, Total = 40 L.F.*

NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1 Install 31,194 S.F.*

3 *Conc. Ford Wall*

- A *See Dtl. RD01 Bid Item No. 9080502 Install 630 L.F.*
- B *See Dtl. RD01 Bid Item No. 9080504 Install 645 L.F.*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	MPK	MPK	CJR	MPK

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 180+00 TO STA. 189+00
PROJECT NO. 4RTWNS

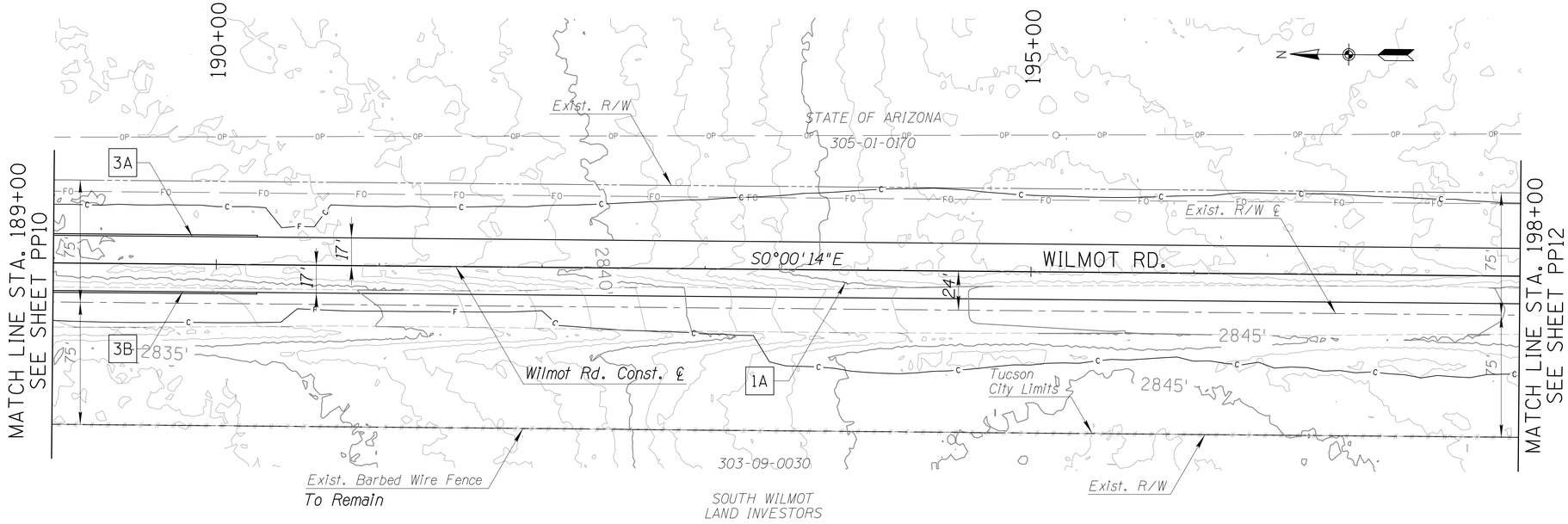
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

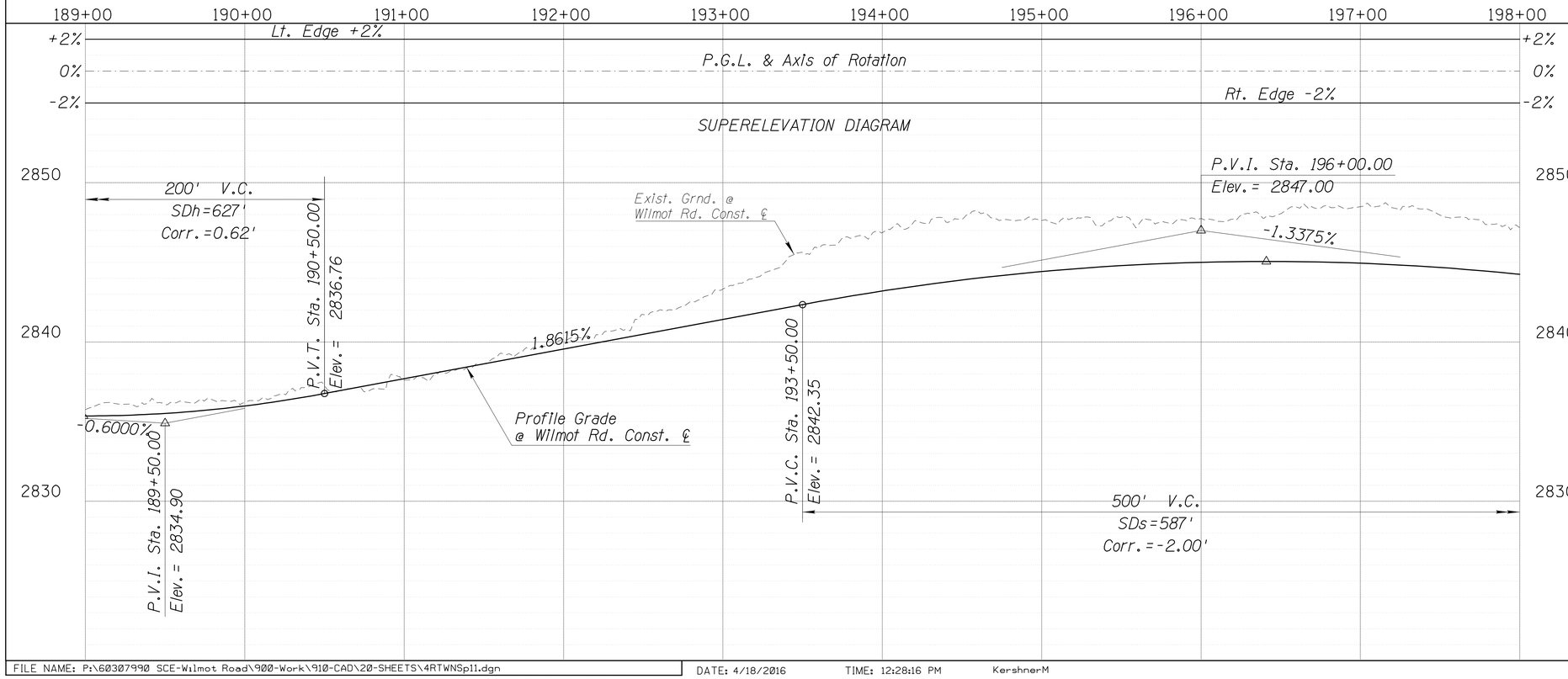
REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER EXPIRES 6-30-16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP10 of PP42	Page 26 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp10.dgn DATE: 4/18/2016 TIME: 12:27:58 PM KershnerM





NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 30,600 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 125 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 125 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP11 of PP42	Page 27 of 140

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19 9 1 6 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

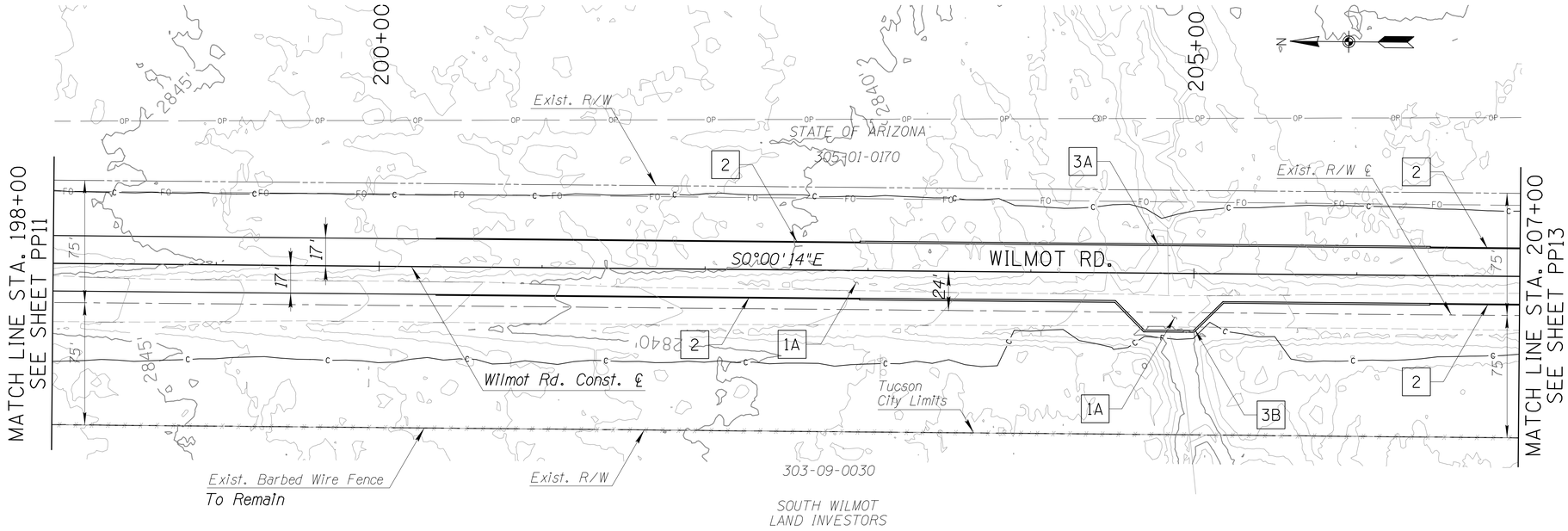
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

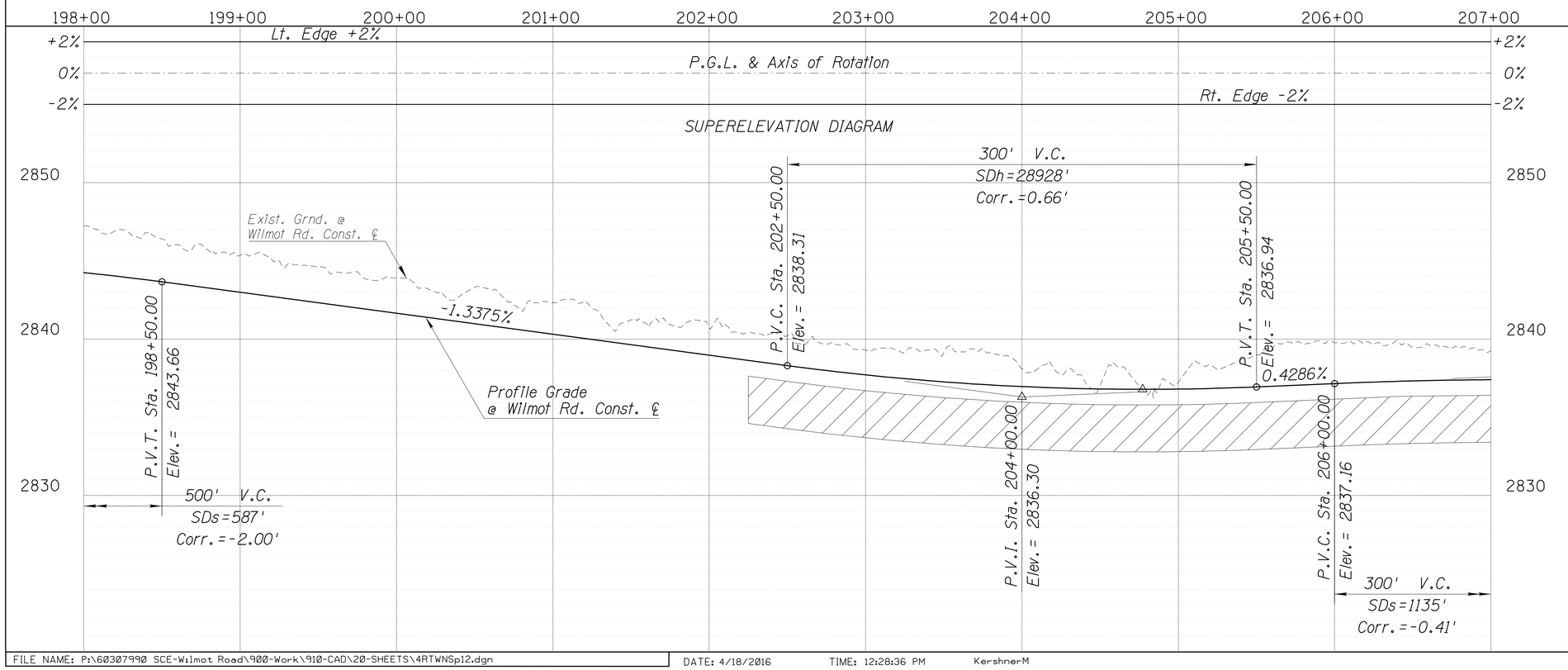
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 189+00 TO STA. 198+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp11.dgn DATE: 4/18/2016 TIME: 12:28:16 PM KershnerM





NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 31,464 S.F.

2 *Conc. Header*

Std. Dtl. 213
Sta. 200+35.00, 17.00' Lt. to
Sta. 202+95.00, 17.00' Lt.
Sta. 200+35.00, 17.00' Rt. to
Sta. 202+95.00, 17.00' Rt.
Sta. 206+45.00, 17.00' Lt. to
Sta. 207+00.00, 17.00' Lt.
Sta. 206+45.00, 17.00' Rt. to
Sta. 207+00.00, 17.00' Rt.
Bid Item No. 9080402
Install 630 L.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 350 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 365 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

LEGEND

Limits of Overexcavation and Removal See Dtl. RD02

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

No.	Revision Description	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 198+00 TO STA. 207+00
PROJECT NO. 4RTWNS

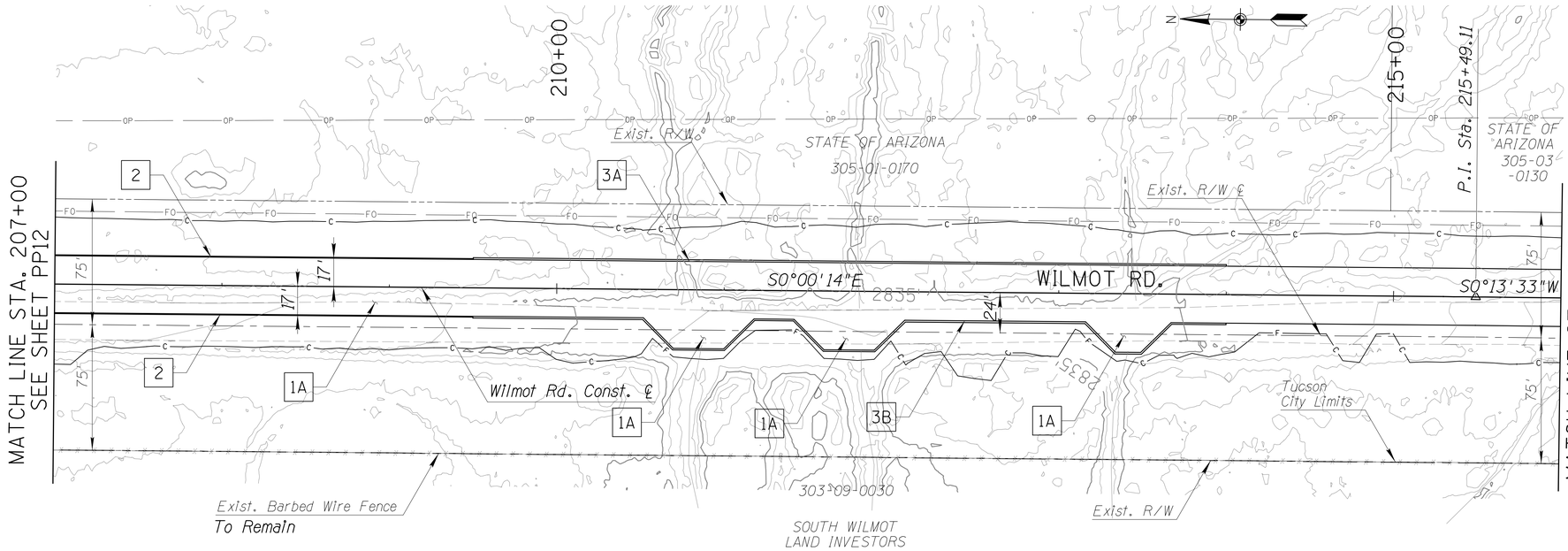
AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

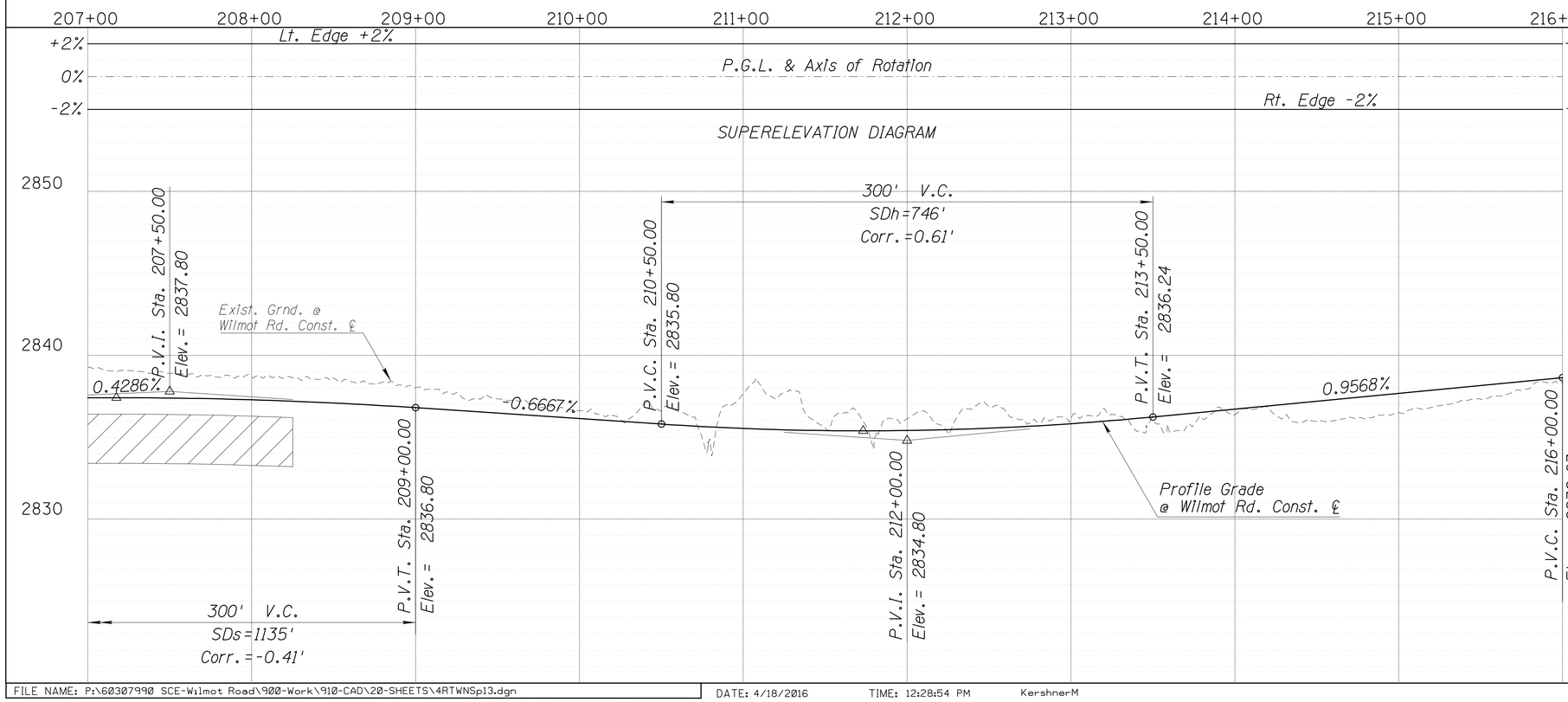
Registered Professional Engineer (Civil) CERTIFICATE NO. 39220 MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

Scale: 1" = 40' Horiz. 1" = 4' Vert. | *Sheet PP12 of PP42* | *Page 28 of 140*

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp12.dgn DATE: 4/18/2016 TIME: 12:28:36 PM KershnerM





NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 32,922 S.F.

2 *Conc. Header*

Std. Dtl. 213
Sta. 207+00.00, 17.00' Lt. to
Sta. 209+50.00, 17.00' Lt.
Sta. 207+00.00, 17.00' Rt. to
Sta. 209+50.00, 17.00' Rt.
Bid Item No. 9080402
Install 500 L.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 450 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 495 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

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

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER CERTIFICATE NO. 32918 DATE SIGNED 5-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig, it's the law! ARIZONA BLUE STAKE, INC. 602-263-1100 or 800-782-5348 (No charge for locates in Cochise, Graham, Greenlee, Pima, Pinal, Santa Cruz & Yavapai Counties)

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 207+00 TO STA. 216+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP13 of PP42 | Page 29 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp13.dgn DATE: 4/18/2016 TIME: 12:28:54 PM KershnerM

REMOVAL ITEMS (See Note 2)

(4) Remove Pipe, Total= 81 L.F.

NEW ITEMS

[1] Pavement

[A] Structural Section No. 1
Install 30,600 S.F.

NOTES

1. See Signing Sheets for Sign Removals.
2. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

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

Priscilla S. Cornelio, P.E., Director

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
Certificate No. 40990
MATTHEW P. KERSHNER
Date Signed 4/18/16
EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation.
ARIZONA811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

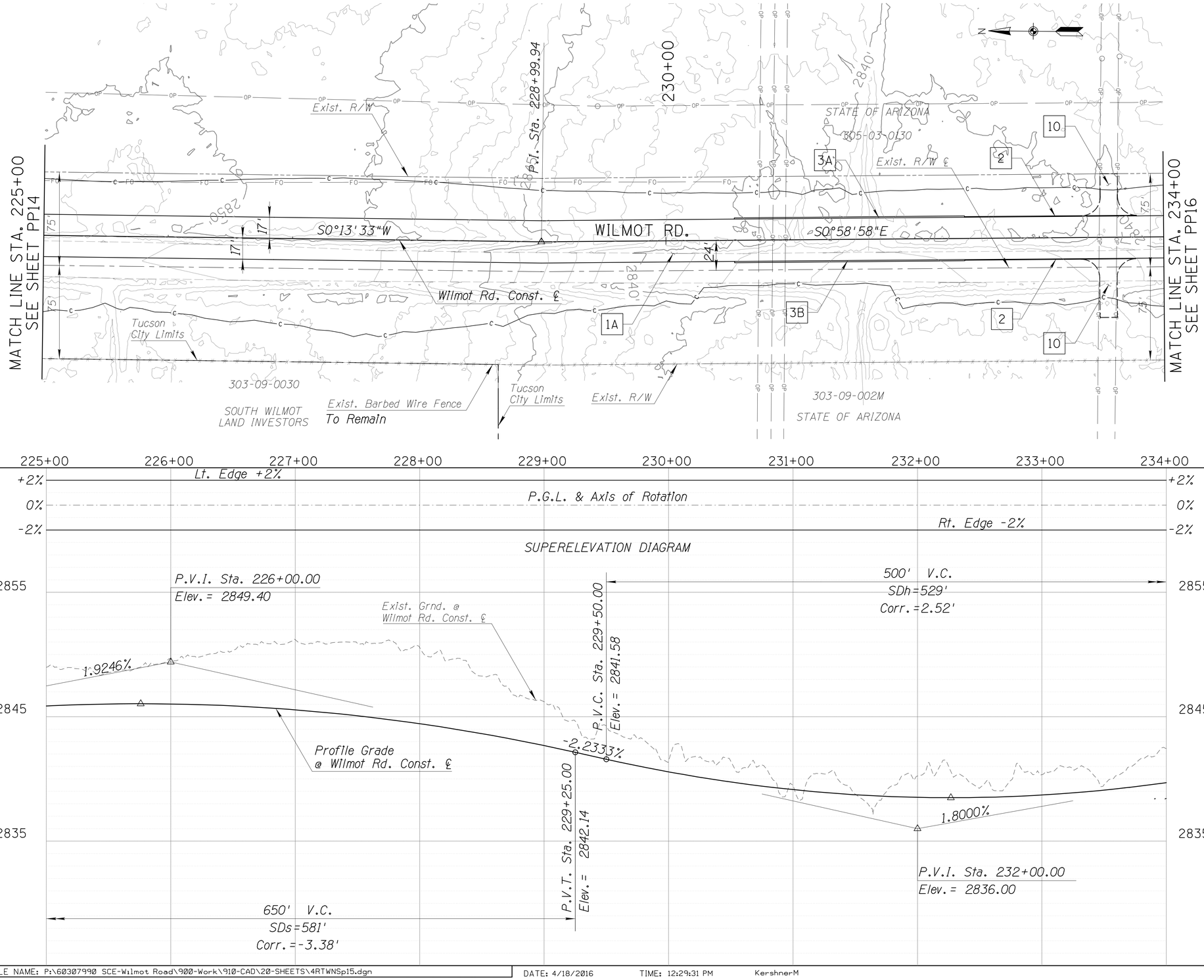
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 216+00 TO STA. 225+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP14 of PP42 |

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp14.dgn DATE: 4/18/2016 TIME: 12:29:13 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 30,600 S.F.

2 Conc. Header
Std. Dtl. 213
Sta. 232+40.00, 17.00' Lt. to
Sta. 233+78.00, 17.00' Lt.
Sta. 232+40.00, 17.00' Rt. to
Sta. 233+78.00, 17.00' Rt.
Bid Item No. 9080402
Install 276 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 185 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 185 L.F.

10 Grader Turnout
See Dtl. RD03

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

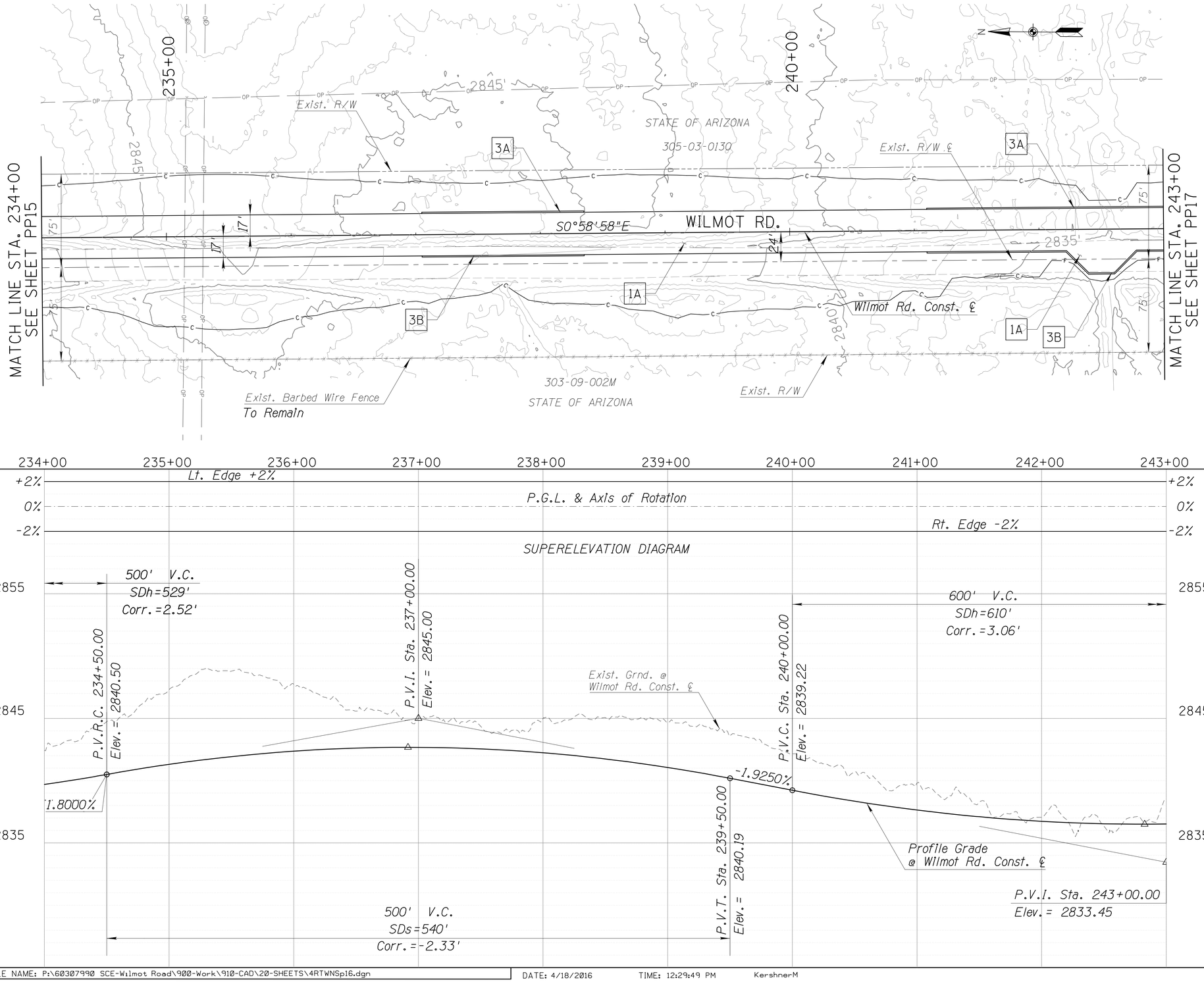
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 225+00 TO STA. 234+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP15 of PP42	Page 31 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp15.dgn DATE: 4/18/2016 TIME: 12:29:31 PM KershnerM



NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 31,284 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item NO. 9080502
  Install 320 L.F.
- B *See Dtl. RD01*
  Bid Item NO. 9080504
  Install 335 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

SCALE: 1"=40'

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 234+00 TO STA. 243+00
PROJECT NO. 4RTWNS

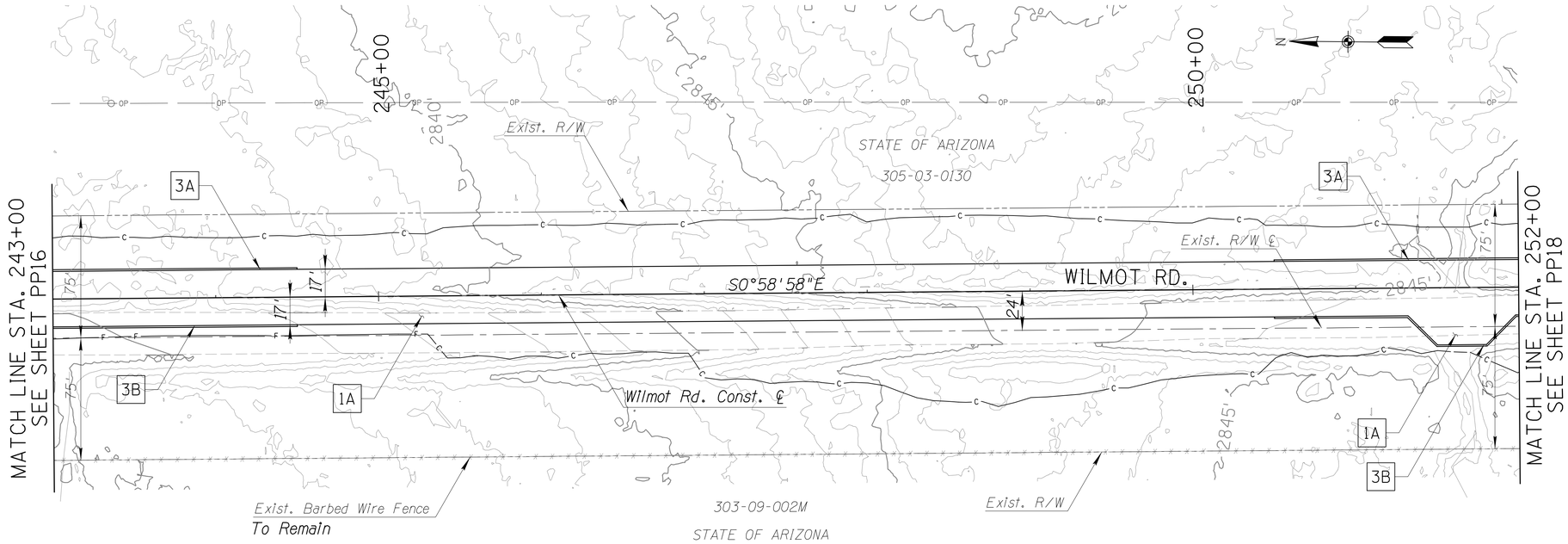
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

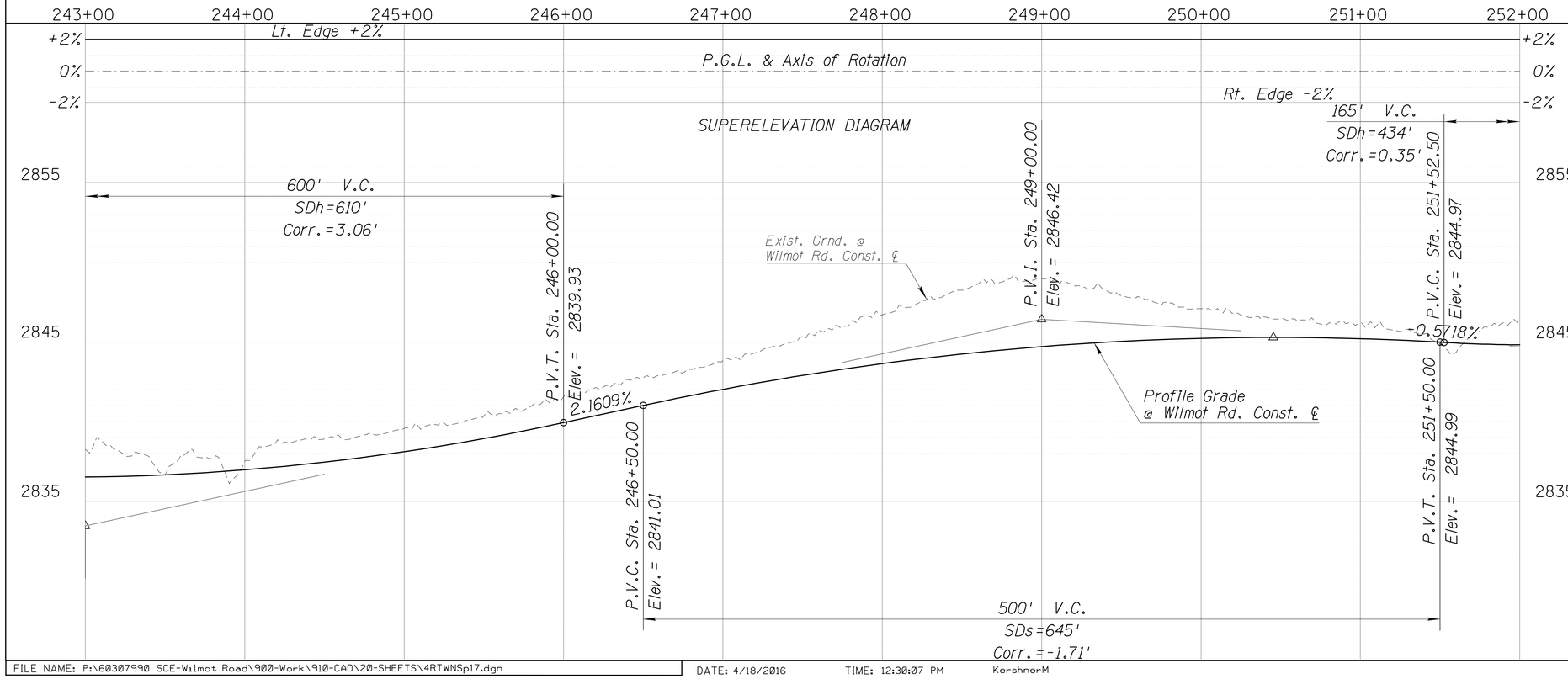
REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP16 of PP42	Page 32 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp16.dgn DATE: 4/18/2016 TIME: 12:29:49 PM KershnerM





NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 31,464 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 300 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 315 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP17 of PP42	Page 33 of 140

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER EXPIRES 6-30-16

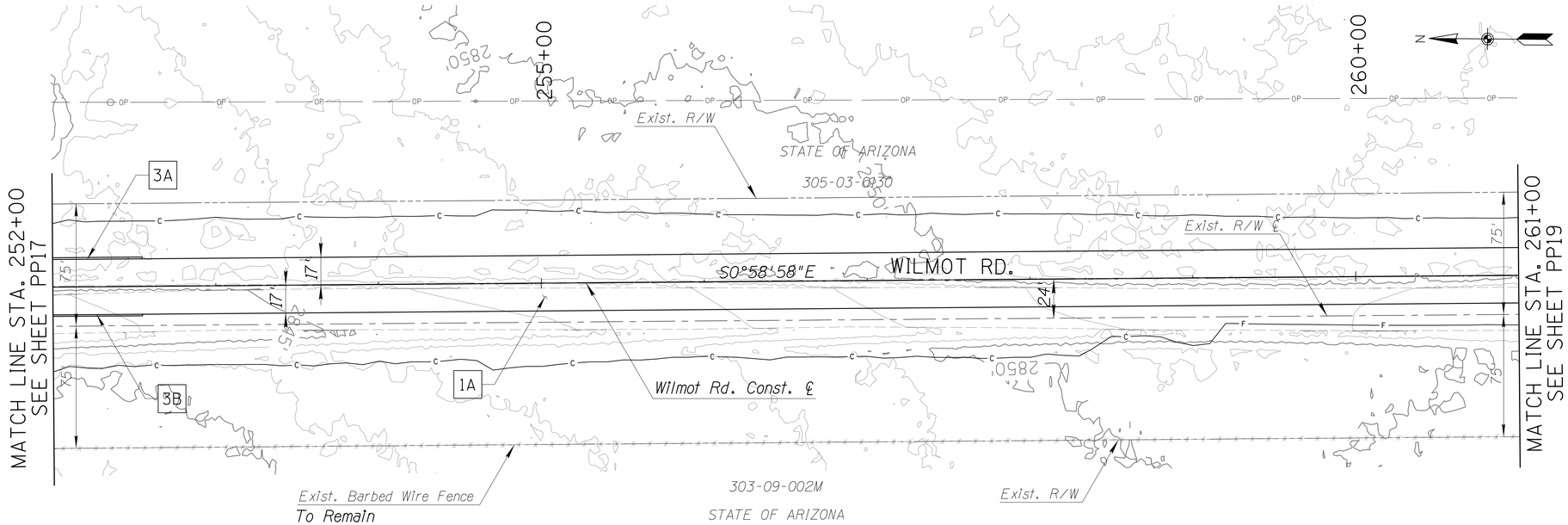
AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

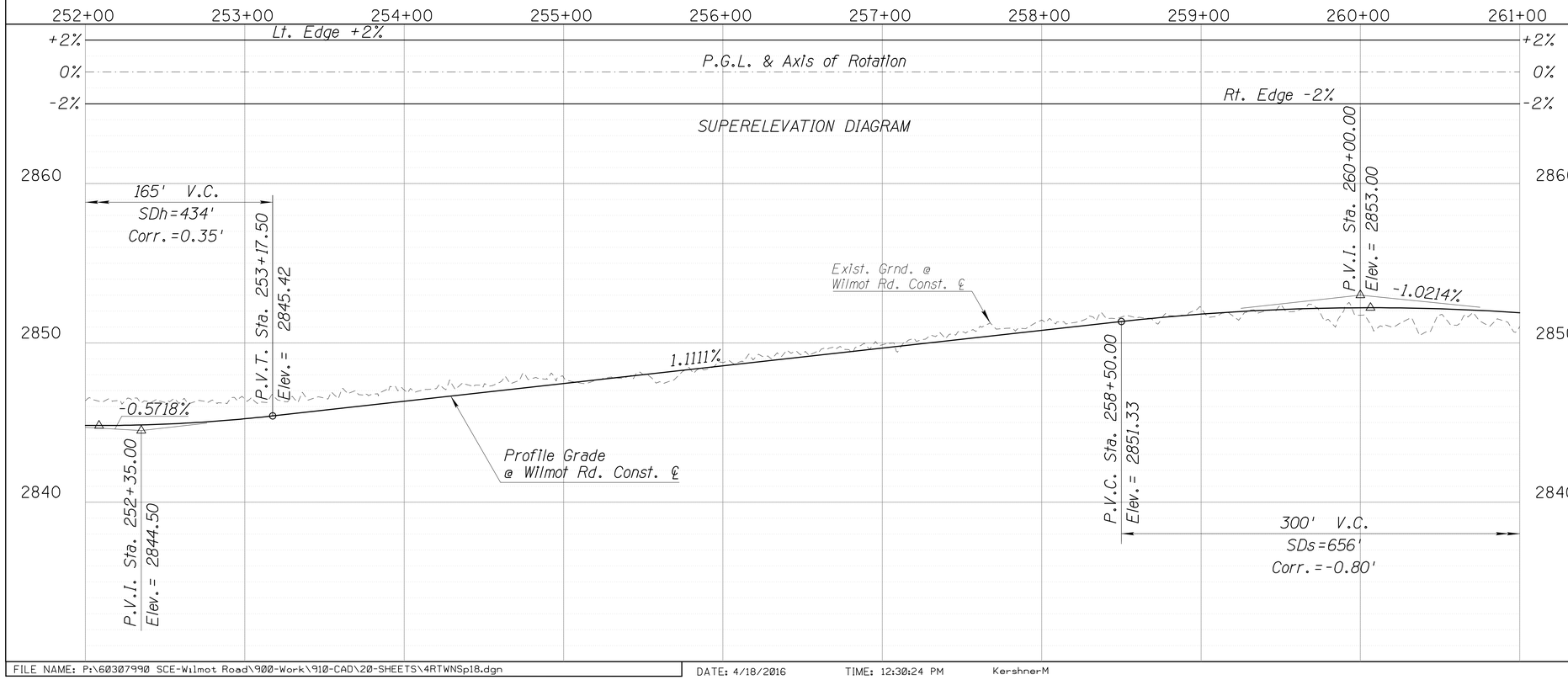
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 243+00 TO STA. 252+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp17.dgn DATE: 4/18/2016 TIME: 12:30:07 PM KershnerM





NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 30,600 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 55 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 55 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

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

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 252+00 TO STA. 261+00
PROJECT NO. 4RTWNS

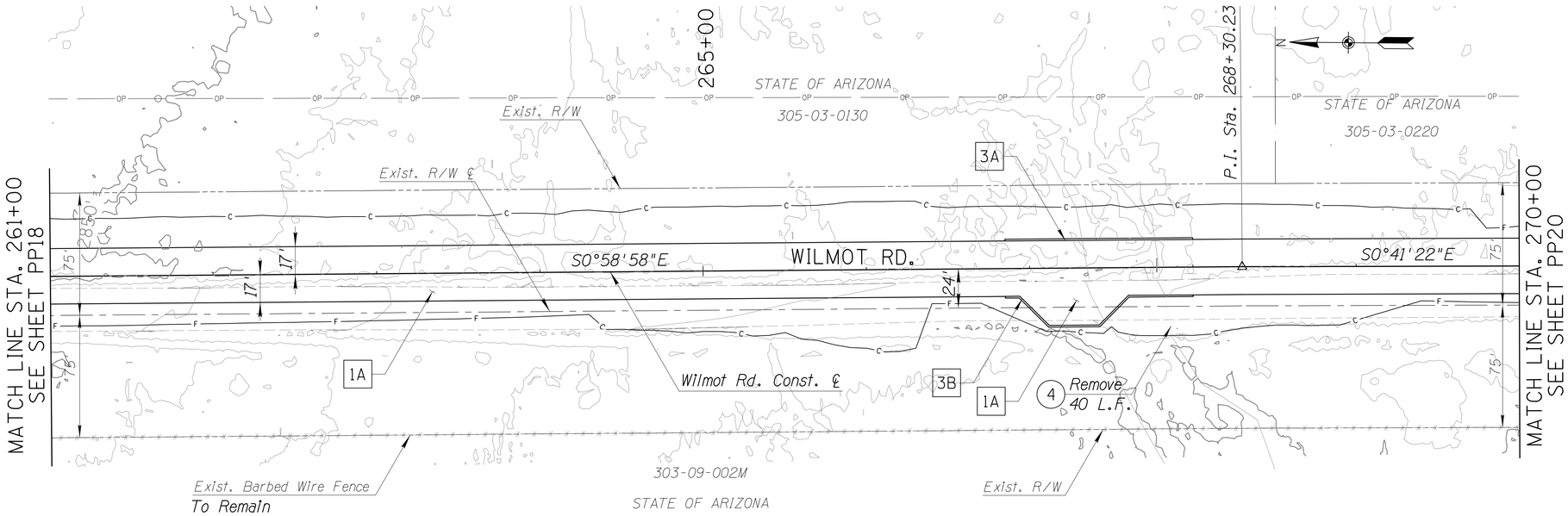
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

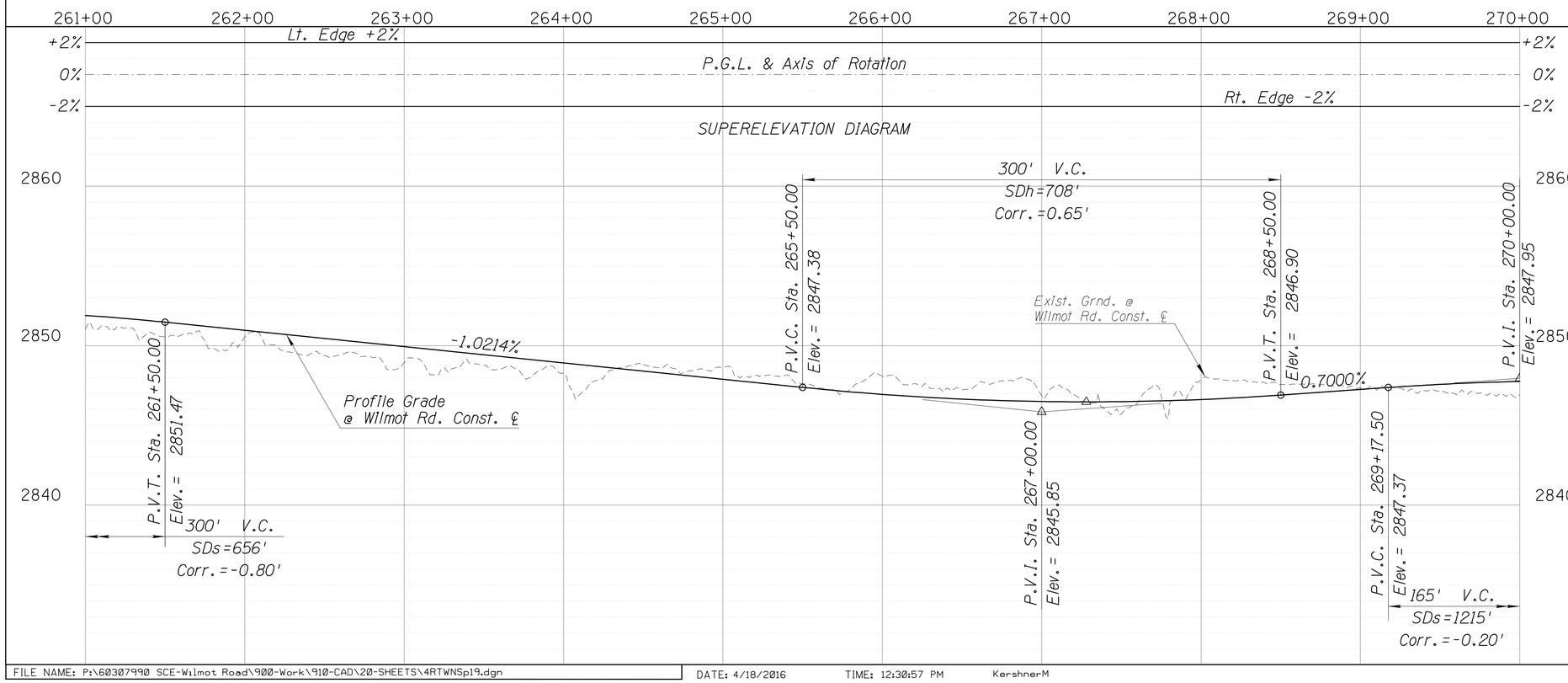
Registered Professional Engineer (Civil) CERTIFICATE NO. 39003 MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP18 of PP42	Page 34 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp18.dgn DATE: 4/18/2016 TIME: 12:30:24 PM KershnerM





REMOVAL ITEMS (See Note 2)

(4) *Remove Pipe, Total = 40 L.F.*

NEW ITEMS

[1] *Pavement*

- [A] *Structural Section No. 1*
  Install 31,480 S.F.

[3] *Conc. Ford Wall*

- [A] *See Dtl. RD01*
  Bid Item No. 9080502
  Install 115 L.F.
- [B] *See Dtl. RD01*
  Bid Item No. 9080504
  Install 130 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP19 of PP42	Page 35 of 140

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 39003 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

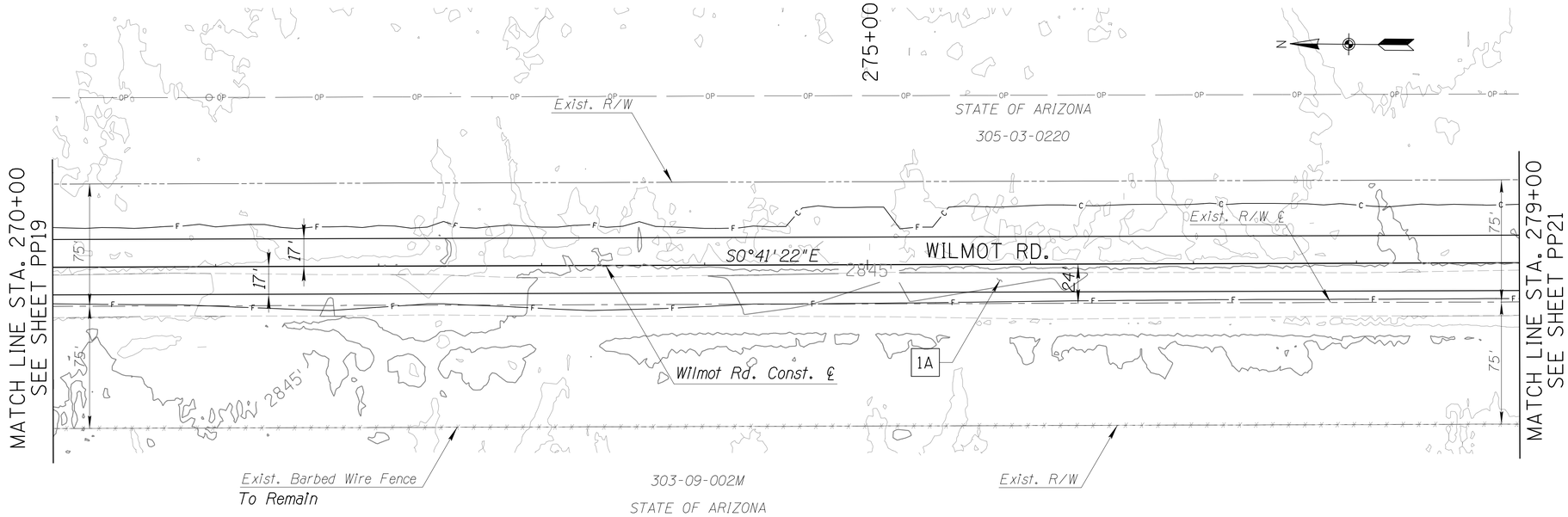
Call at least two full working days before you dig. ARIZONA BLUE STAKE, INC. 602-263-1100 or 1-800-STAKE-IT (782-5348) Arizona Law requires notification

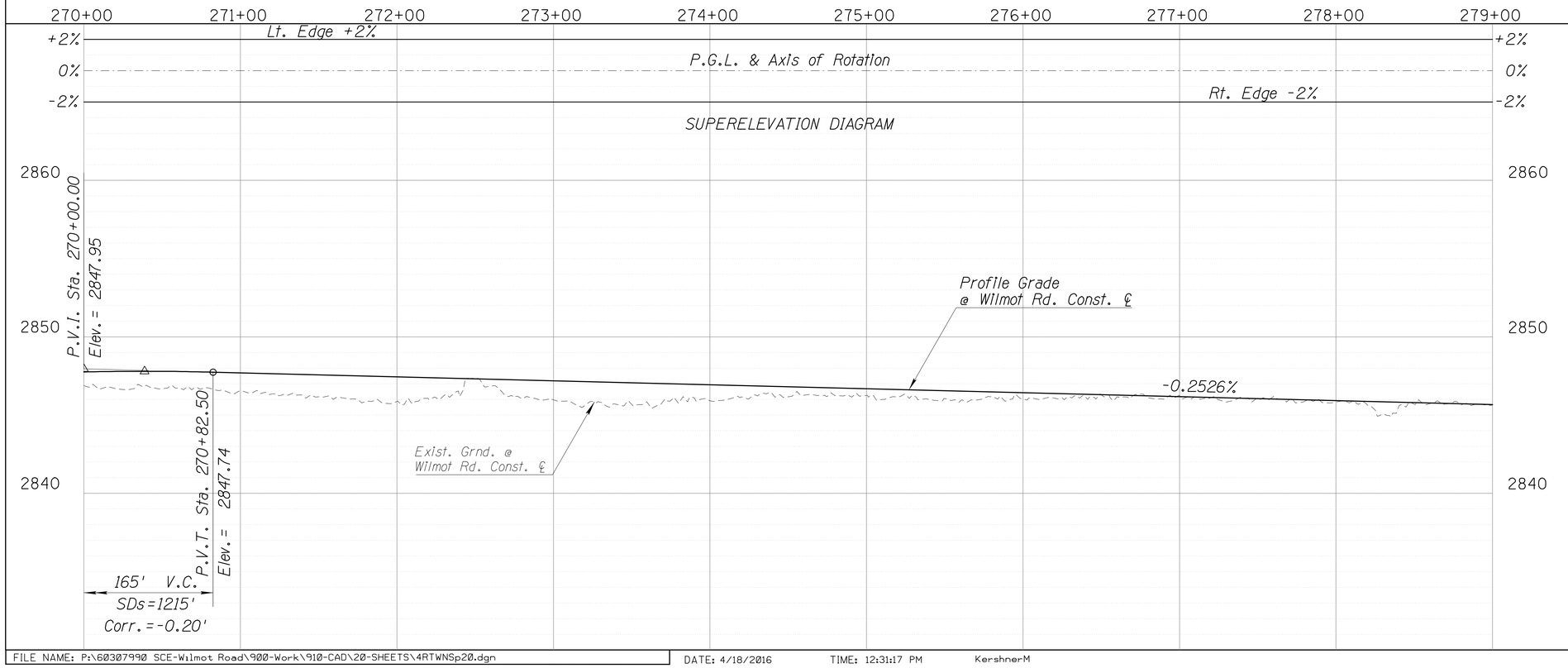
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 261+00 TO STA. 270+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp19.dgn DATE: 4/18/2016 TIME: 12:30:57 PM KershnerM





NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 30,600 S.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

SCALE: 1"=40'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 32900 MATHEW P. KERSHNER DATE SIGNED 4-18-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7600 F 520.887.8438
www.aecom.com

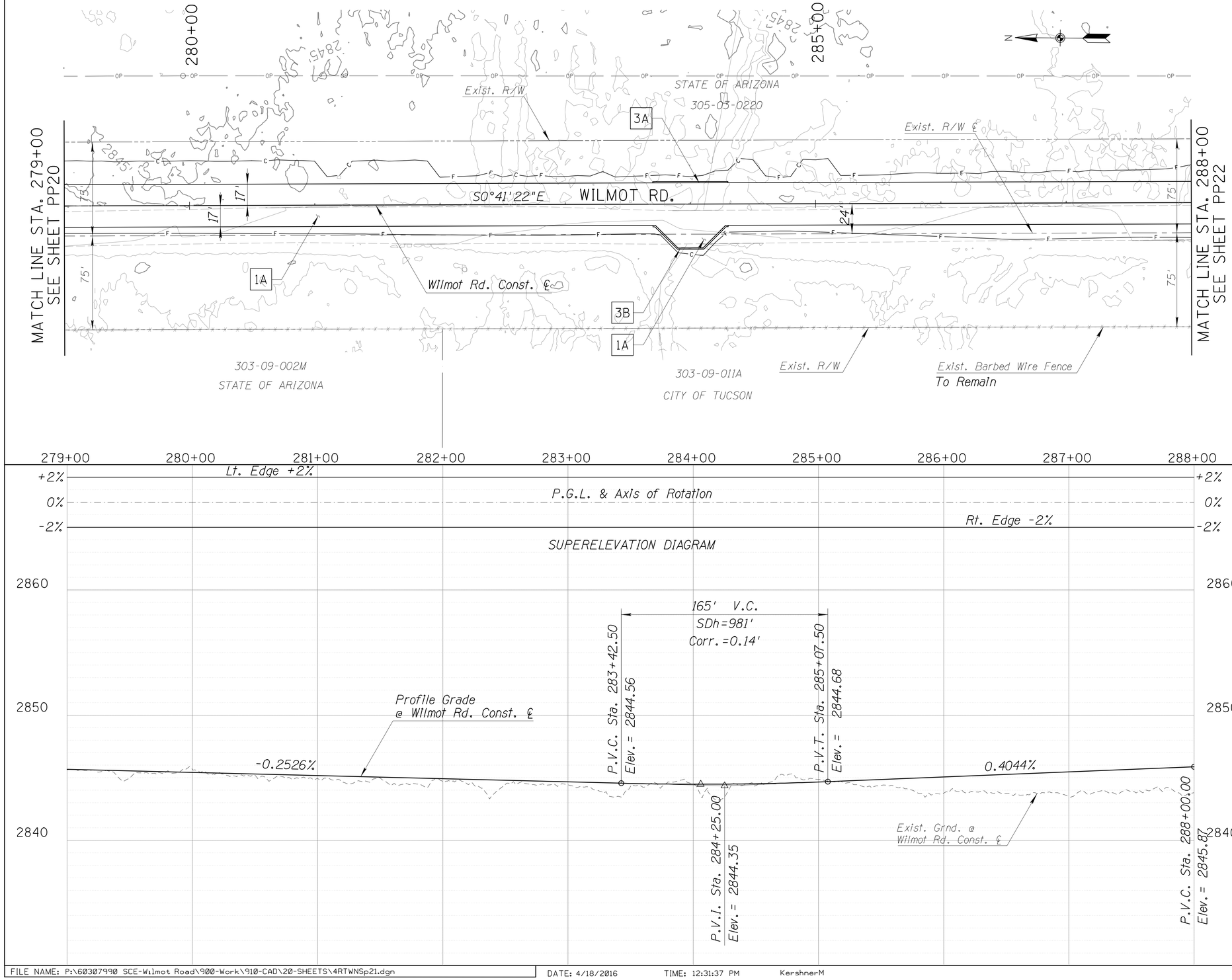
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 270+00 TO STA. 279+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP20 of PP42	Page 36 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp20.dgn DATE: 4/18/2016 TIME: 12:31:17 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,284 S.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 60 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 75 L.F.

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Blue Stake, Inc.
Dial 811 or 1-800-STAKE-IT (782-5348)
Mandatory Calling Ahead (Arizona Law)

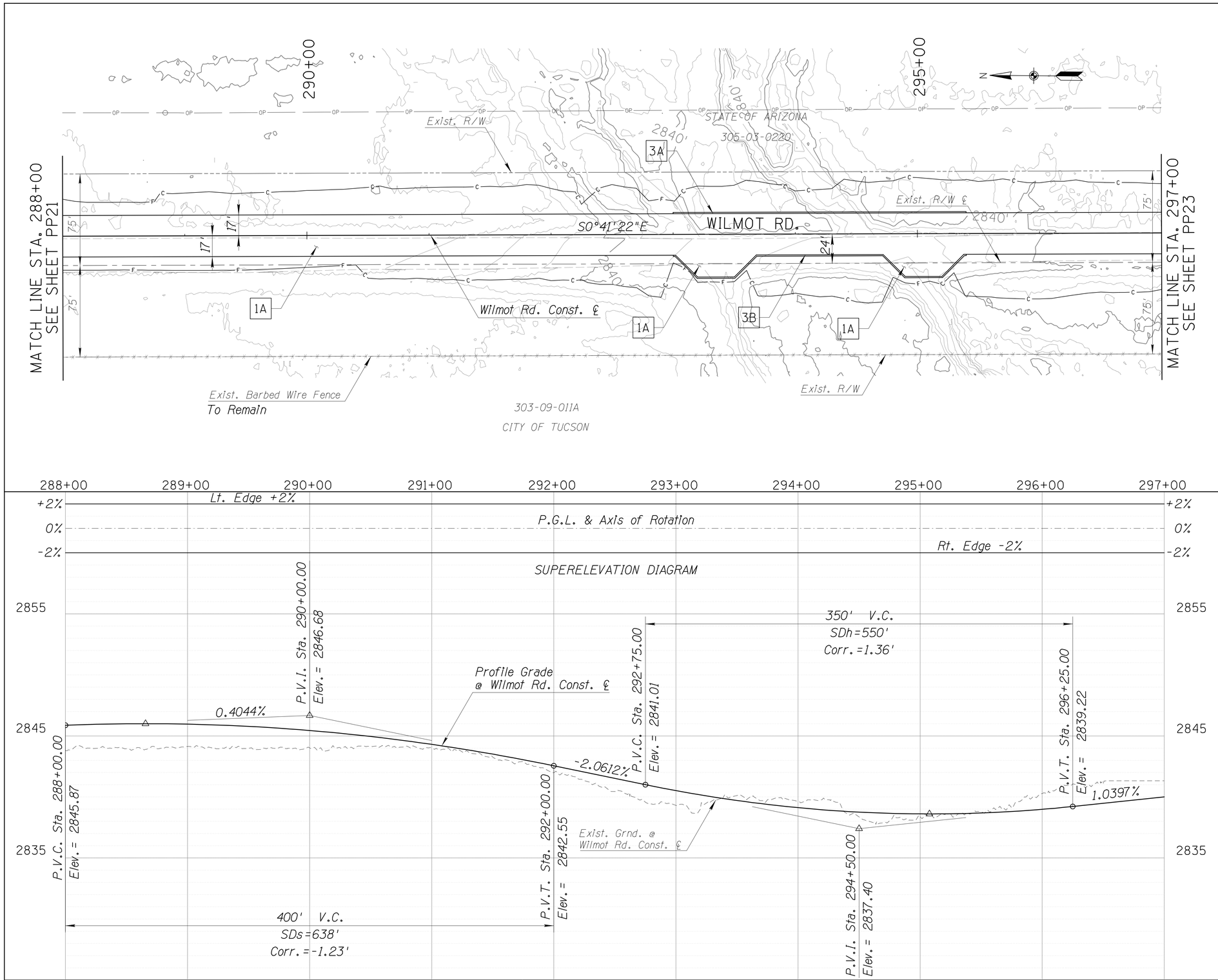
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 279+00 TO STA. 288+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP21 of PP42	Page 37 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp21.dgn DATE: 4/18/2016 TIME: 12:31:37 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 32,328 S.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 240 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 270 L.F.

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

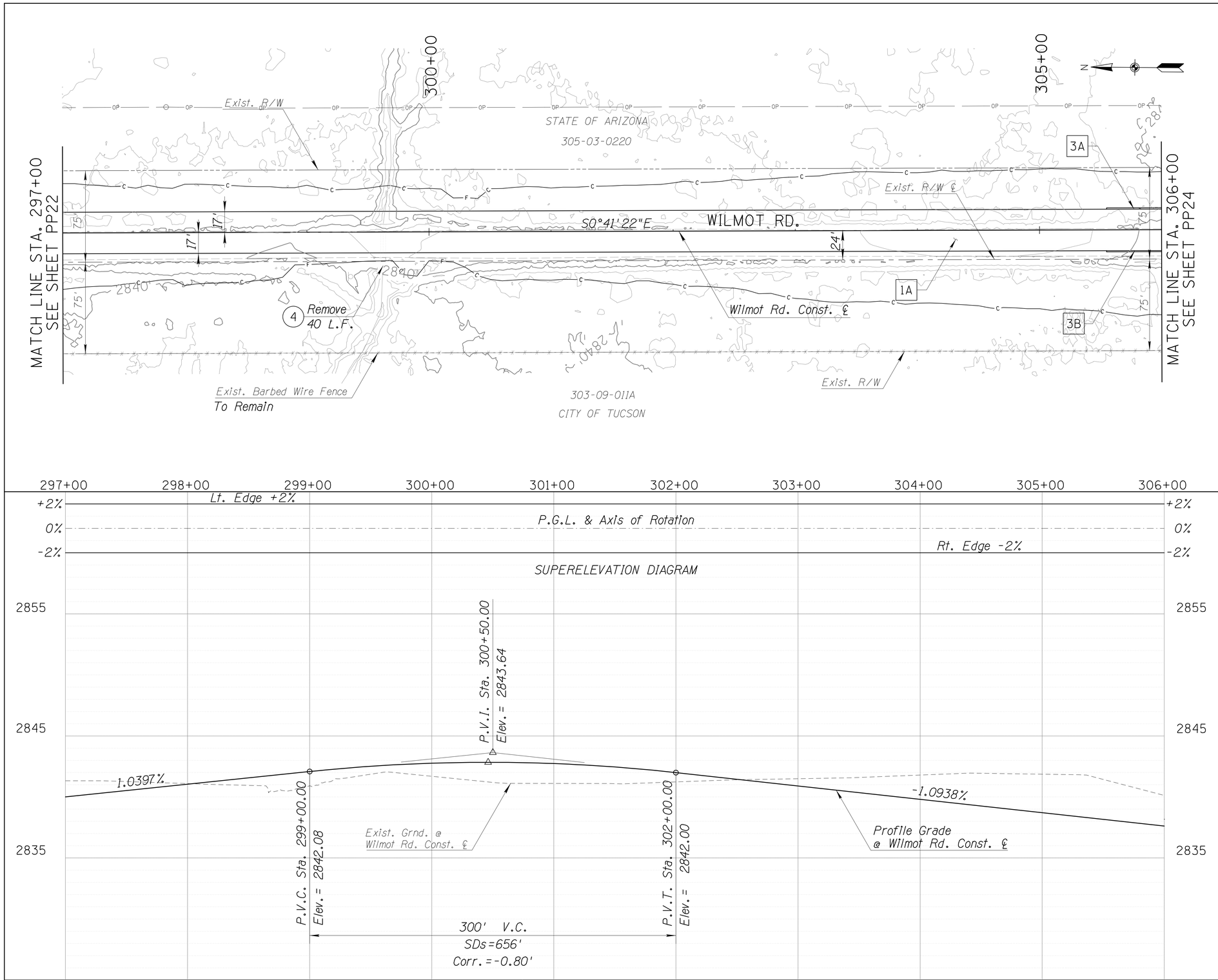
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 288+00 TO STA. 297+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP22 of PP42	Page 38 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp22.dgn DATE: 4/18/2016 TIME: 12:31:57 PM KershnerM



REMOVAL ITEMS (See Note 2)

(4) Remove Pipe, Total= 40 L.F.

NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 30,600 S.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 45 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 45 L.F.

NOTES

1. See Signing Sheets for Sign Removals.
2. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation. Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) Mexico Blue Stake, Inc. Dial 1-800-STAKE-IT (782-5348)

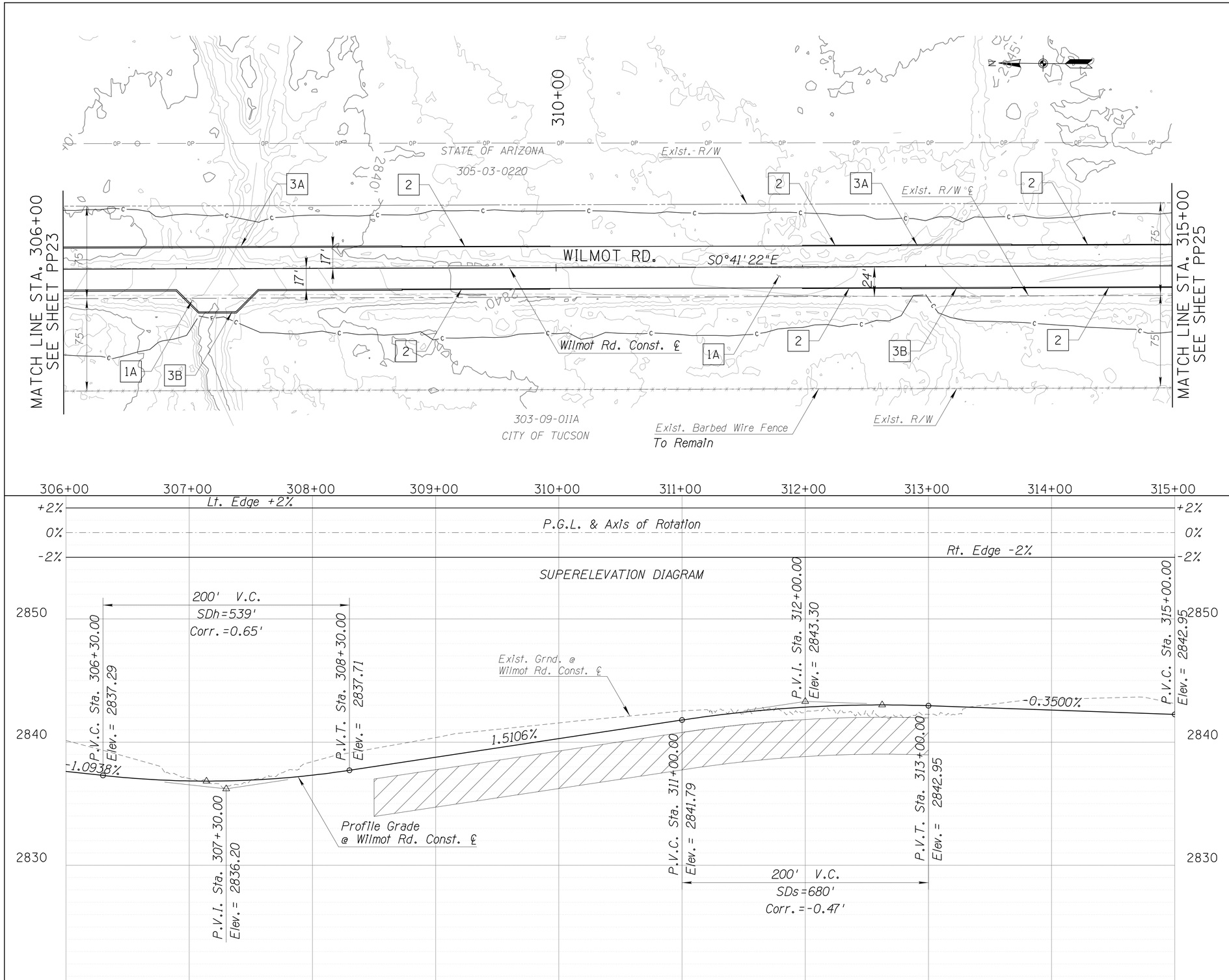
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 297+00 TO STA. 306+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP23 of PP42	Page 39 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp23.dgn DATE: 4/18/2016 TIME: 12:32:15 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,464 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 308+75.00, 17.00' Lt. to
Sta. 309+95.00, 17.00' Lt.
Sta. 308+75.00, 17.00' Rt. to
Sta. 309+95.00, 17.00' Rt.
Sta. 312+00.00, 17.00' Lt. to
Sta. 312+80.00, 17.00' Lt.
Sta. 312+00.00, 17.00' Rt. to
Sta. 312+80.00, 17.00' Rt.
Sta. 313+70.00, 17.00' Lt. to
Sta. 315+00.00, 17.00' Lt.
Sta. 313+70.00, 17.00' Rt. to
Sta. 315+00.00, 17.00' Rt.
Bid Item No. 9080402
Install 660 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 365 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 380 L.F.

NOTE

1. See Signing Sheets for Sign Removals.

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Dial 811 or 1-800-STAKE-ST (782-5348)
Or Mail Ticket Number Directly Into Your Account

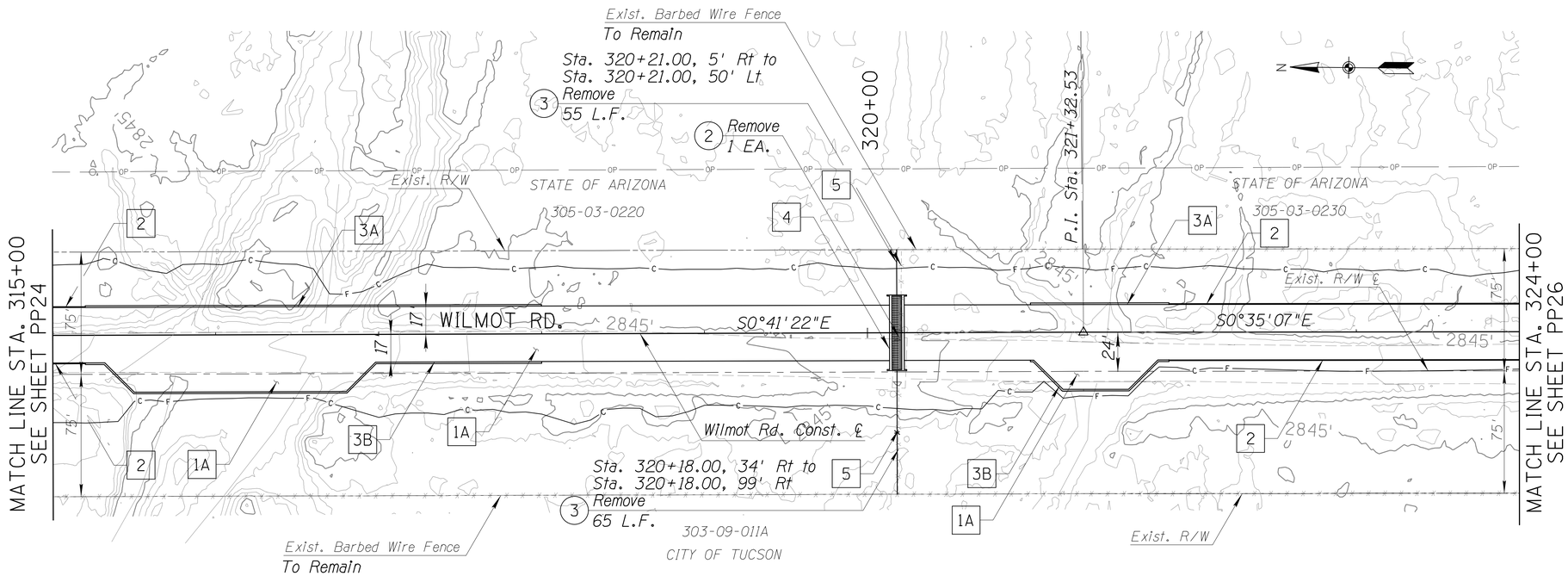
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 306+00 TO STA. 315+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP24 of PP42	Page 40 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp24.dgn DATE: 4/18/2016 TIME: 12:32:33 PM KershnerM



REMOVAL ITEMS (See Note 2)

(2) *Remove Cattle Guard, Total= 1 EA.*

(3) *Remove Fence, Total= 120 L.F.*

NEW ITEMS

[1] *Pavement*

[A] *Structural Section No. 1*
Install 34,307 S.F.

[2] *Conc. Header*

Std. Dtl. 213
Sta. 315+00.00, 17.00' Lt. to
Sta. 315+20.00, 17.00' Lt.
Sta. 315+00.00, 17.00' Rt. to
Sta. 315+20.00, 17.00' Rt.
Sta. 321+85.00, 17.00' Lt. to
Sta. 324+00.00, 17.00' Lt.
Sta. 321+85.00, 17.00' Rt. to
Sta. 324+00.00, 17.00' Rt.
Bid Item No. 9080402
Install 470 L.F.

[3] *Conc. Ford Wall*

[A] *See Dtl. RD01*
Bid Item No. 9080502
Install 365 L.F.

[B] *See Dtl. RD01*
Bid Item No. 9080504
Install 395 L.F.

[4] *Cattle Guard, 6-Unit*

ADOT Std. Dwg. C-11.10
Sta. 320+18.00
Bid Item No. 9060021
Install 1 EA.

[5] *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 320+18.00, 51.00' Lt. to
Sta. 320+18.00, 23.00' Lt.
Sta. 320+18.00, 23.00' Rt. to
Sta. 320+18.00, 99.00' Rt.
Bid Item No. 9020301
Install 104 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Professional Engineer (Civil) CERTIFICATE NO. 40090 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE. 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

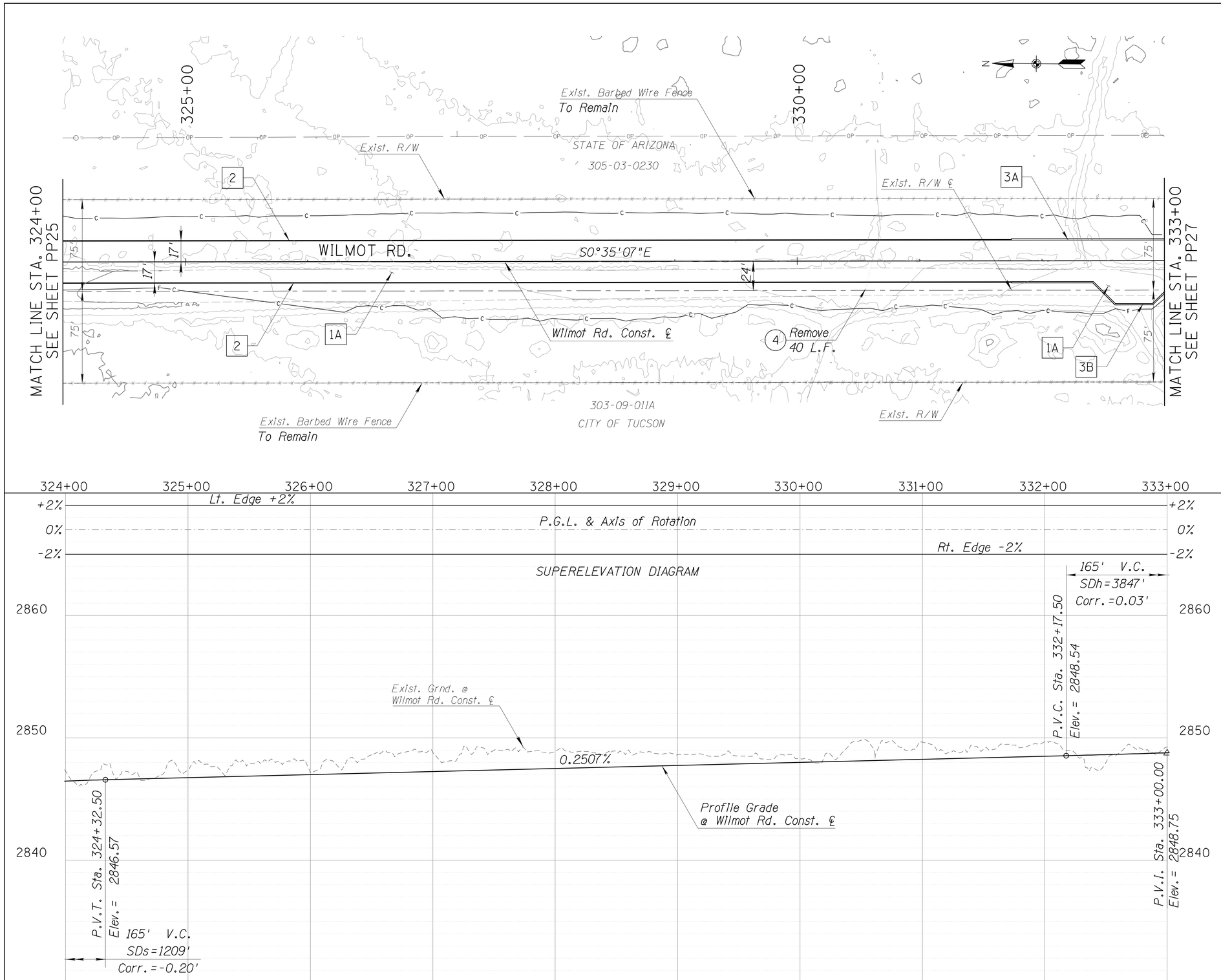
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 315+00 TO STA. 324+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP25 of PP42	Page 41 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp25.dgn DATE: 4/18/2016 TIME: 12:32:53 PM KershnerM



REMOVAL ITEMS (See Note 2)

(4) Remove Pipe, Total= 40 L.F.

NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,439 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 324+00.00, 17.00' Lt. to
Sta. 331+75.00, 17.00' Lt.
Sta. 324+00.00, 17.00' Rt. to
Sta. 331+75.00, 17.00' Rt.
Bid Item No. 9080402
Install 1,550 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 125 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 137 L.F.

NOTES

1. See Signing Sheets for Sign Removals.
2. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

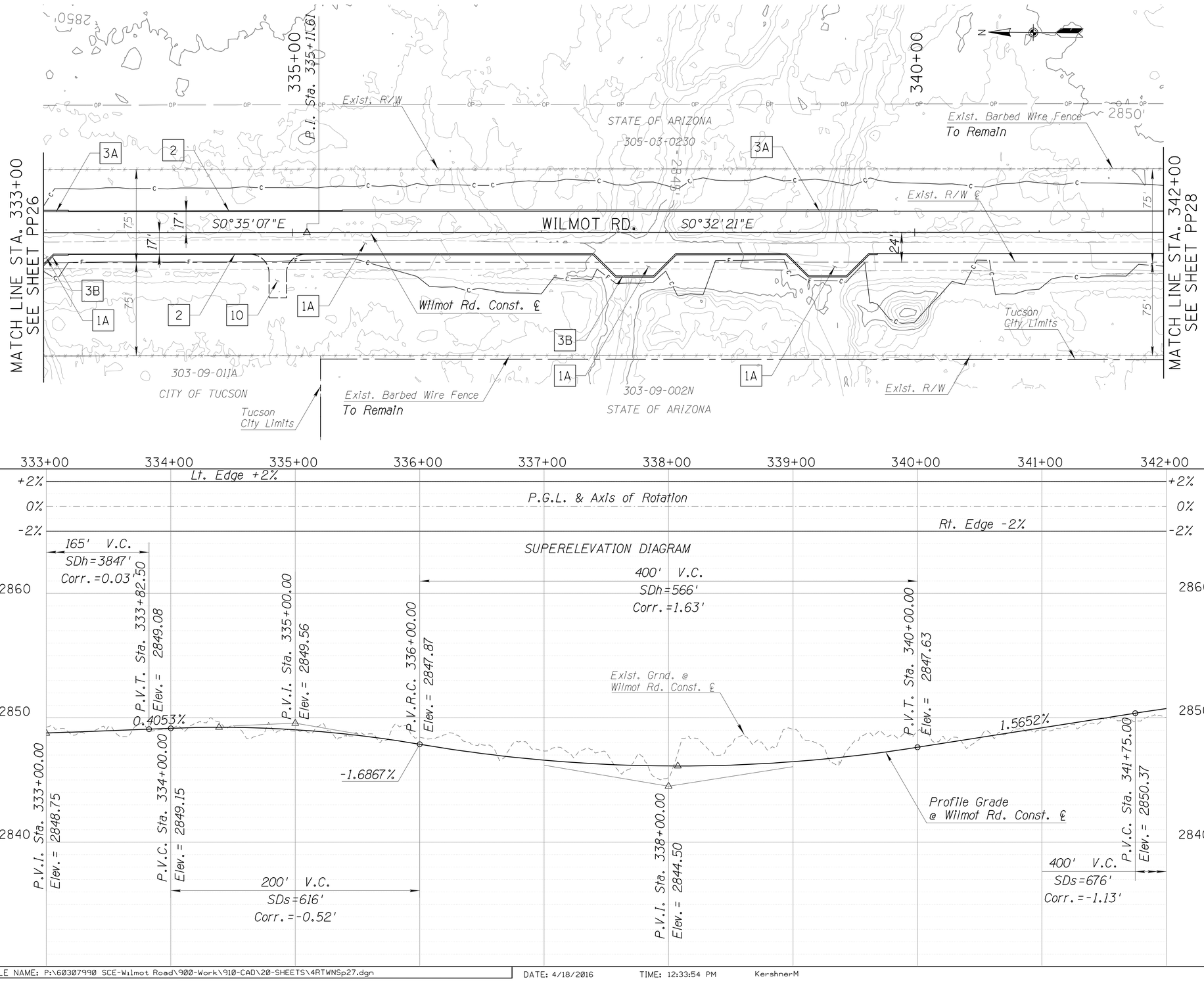
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 324+00 TO STA. 333+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP26 of PP42	Page 42 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp26.dgn DATE: 4/18/2016 TIME: 12:33:13 PM KershnerM



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 32,358 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 333+20.00, 17.00' Lt. to
Sta. 335+40.00, 17.00' Lt.
Sta. 333+20.00, 17.00' Rt. to
Sta. 335+40.00, 17.00' Rt.
Bid Item No. 9080402
Install 440 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 450 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 483 L.F.

10 Grader Turnout

See Dtl. RD03

NOTE

1. See Signing Sheets for Sign Removals.

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

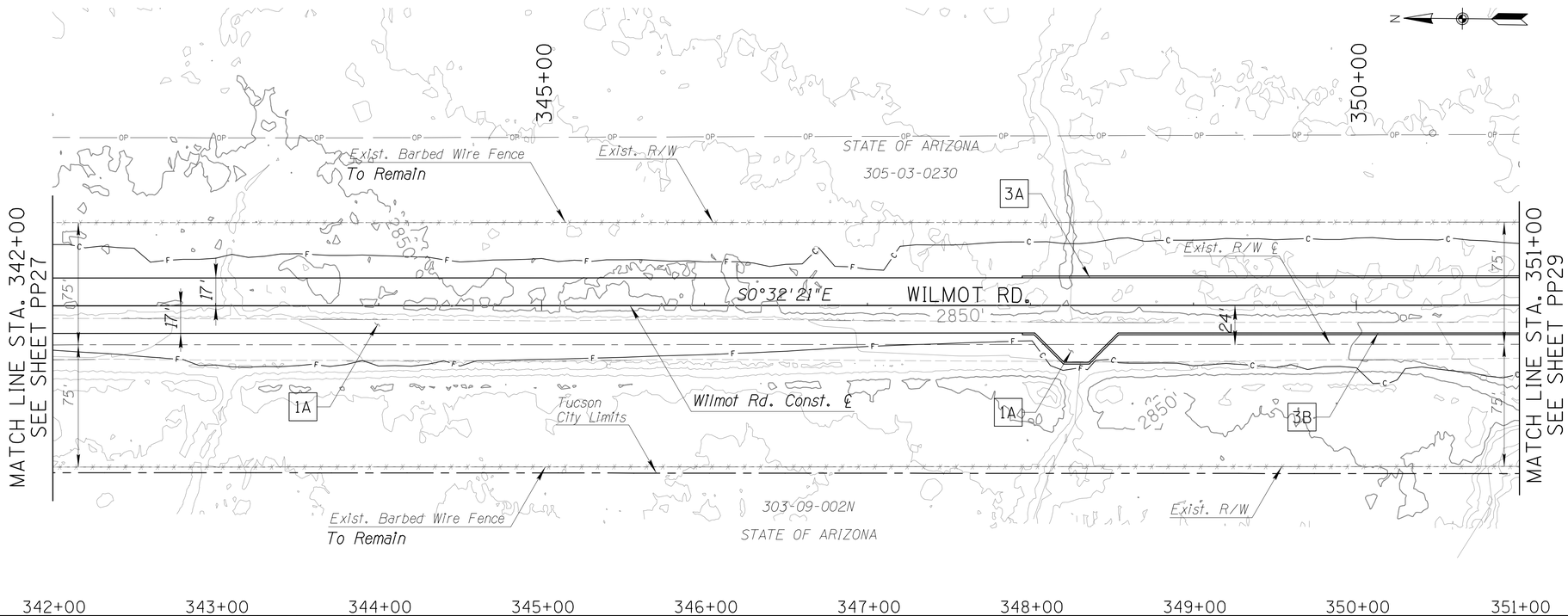
Pima County Department of Transportation

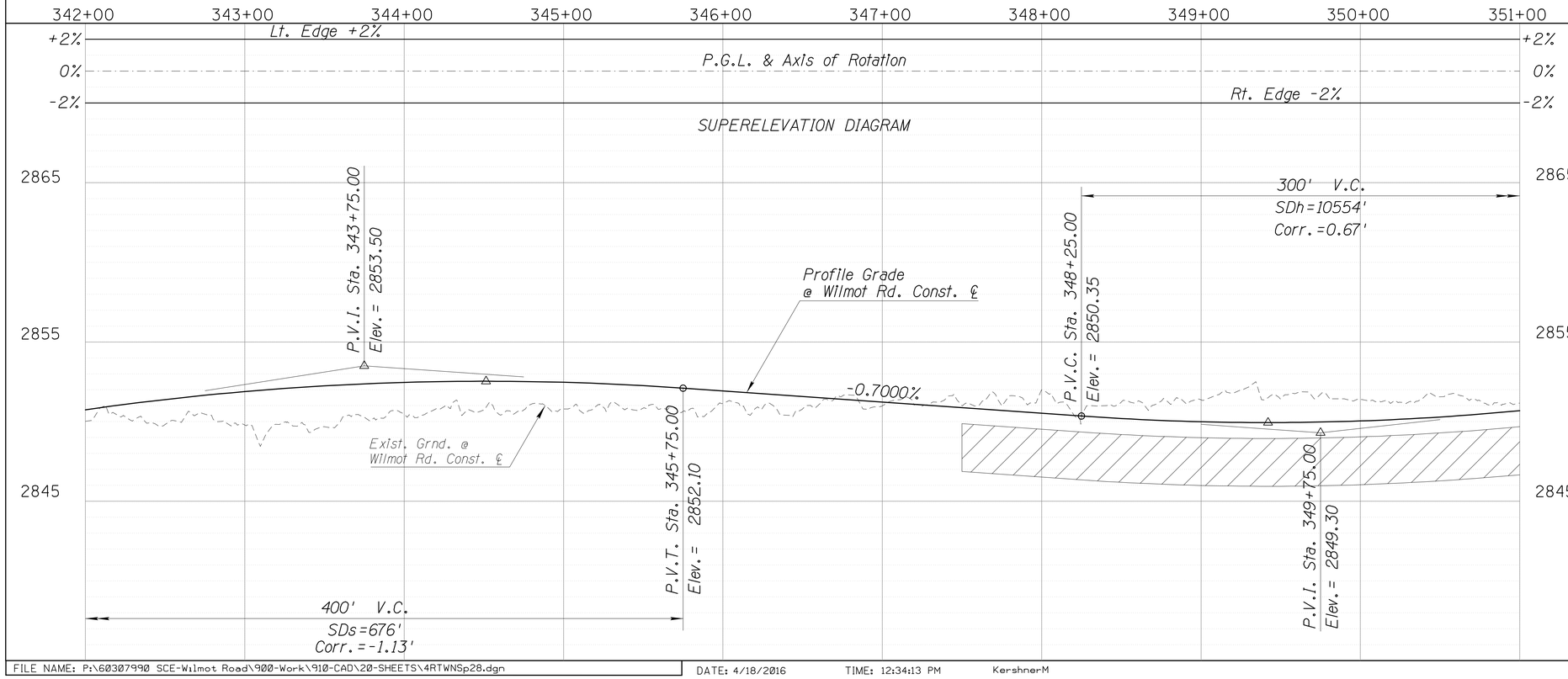
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 333+00 TO STA. 342+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP27 of PP42	Page 43 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp27.dgn DATE: 4/18/2016 TIME: 12:33:54 PM KershnerM





NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 31,194 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 305 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 320 L.F.

NOTE

1. *See Signing Sheets for Sign Removals.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 342+00 TO STA. 351+00
PROJECT NO. 4RTWNS

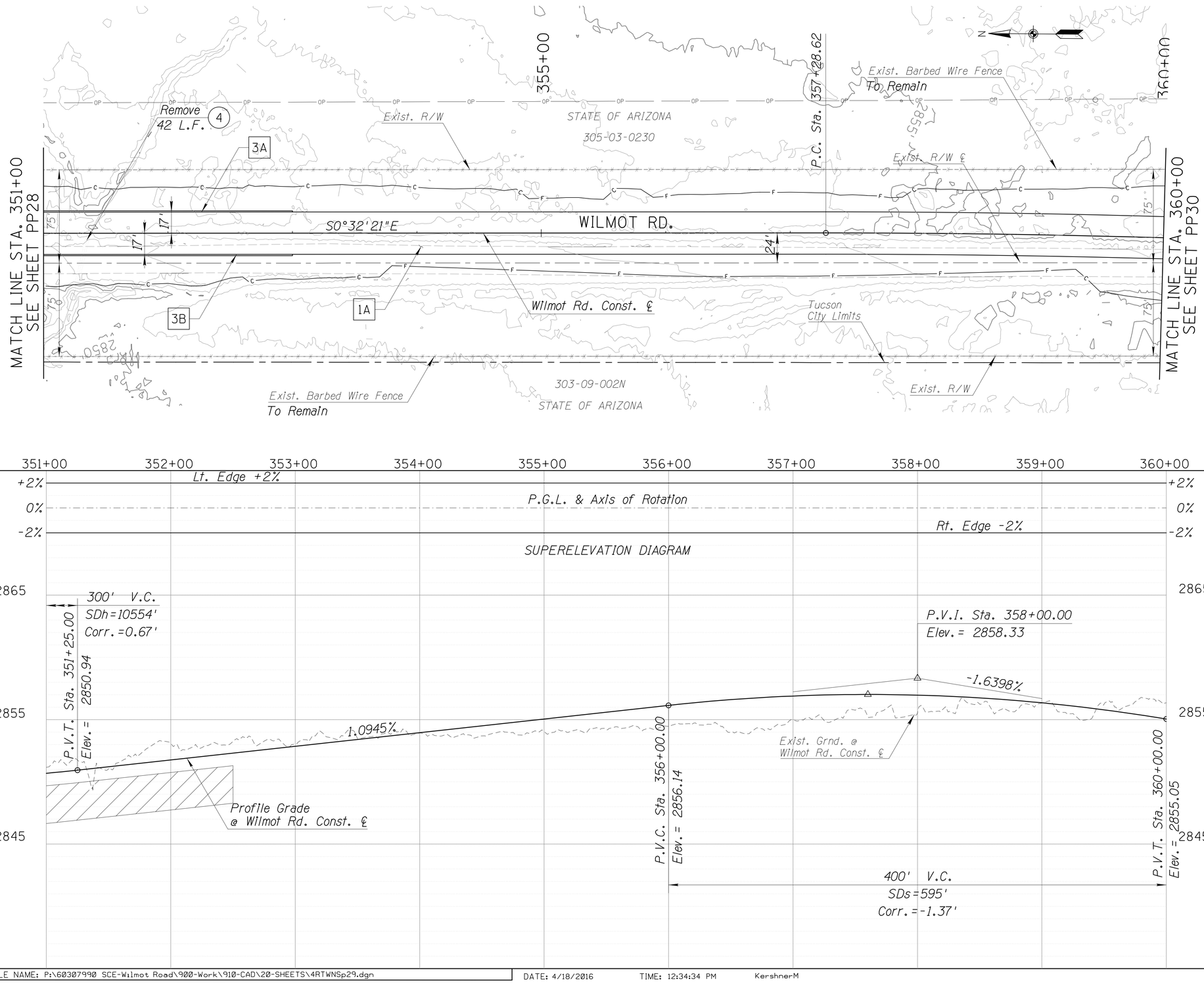
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Registered Professional Engineer (Civil)
CERTIFICATE NO.
MATTHEW P. KERSHNER
DATE SIGNED
EXPIRES 6-30-16

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP28 of PP42	Page 44 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp28.dgn DATE: 4/18/2016 TIME: 12:34:13 PM KershnerM



REMOVAL ITEMS (See Note 2)

(4) *Remove Pipe, Total= 42 L.F.*

NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1 Install 30,600 S.F.*

3 *Conc. Ford Wall*

- A *See Dtl. RD01 Bid Item No. 9080502 Install 200 L.F.*
- B *See Dtl. RD01 Bid Item No. 9080504 Install 200 L.F.*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 20020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 39283 MATTHEW P. KERSHNER DATE SIGNED 5-30-16 EXPIRES 6-30-16

TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig. ARIZONA BLUE STAKE, INC. 602-263-1100 or 800-782-5348 Arizona Law requires notification prior to excavation. Excavation without notification is a class 1 misdemeanor.

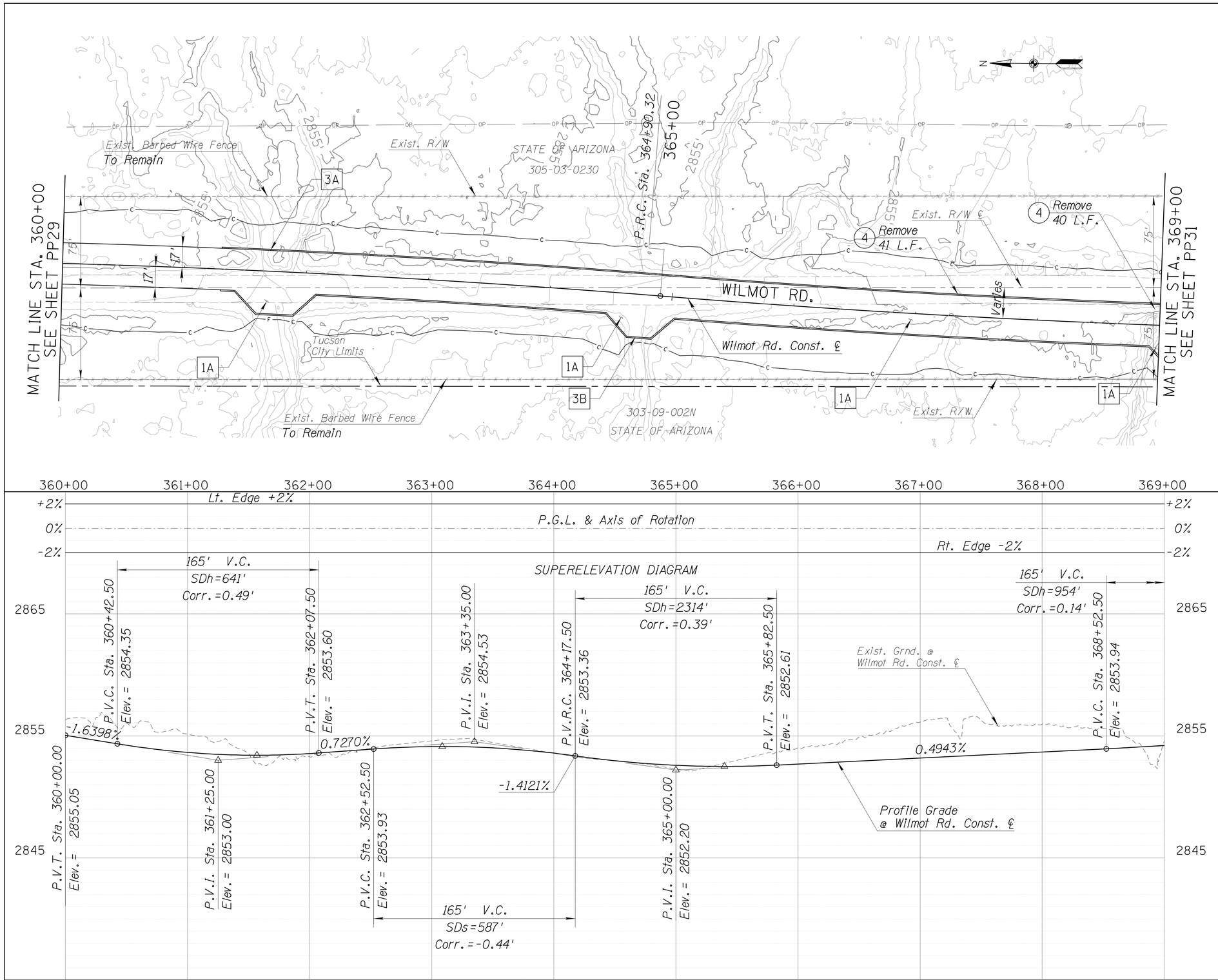
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 351+00 TO STA. 360+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP29 of PP42	Page 45 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp29.dgn DATE: 4/18/2016 TIME: 12:34:34 PM KershnerM



REMOVAL ITEMS (See Note 2)

(4) Remove Pipe, Total= 81 L.F.

NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 32,174 S.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 770 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 803 L.F.

NOTES

1. See Signing Sheets for Sign Removals.
2. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

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

Priscilla S. Cornelio, P.E., Director

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO. 40990
MATTHEW P. KERSHNER
DATE SIGNED 4/18/16
EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-ST (782-5348)
Mail Code: 1-Gov-Tucson (1-800-STAKE-ST)

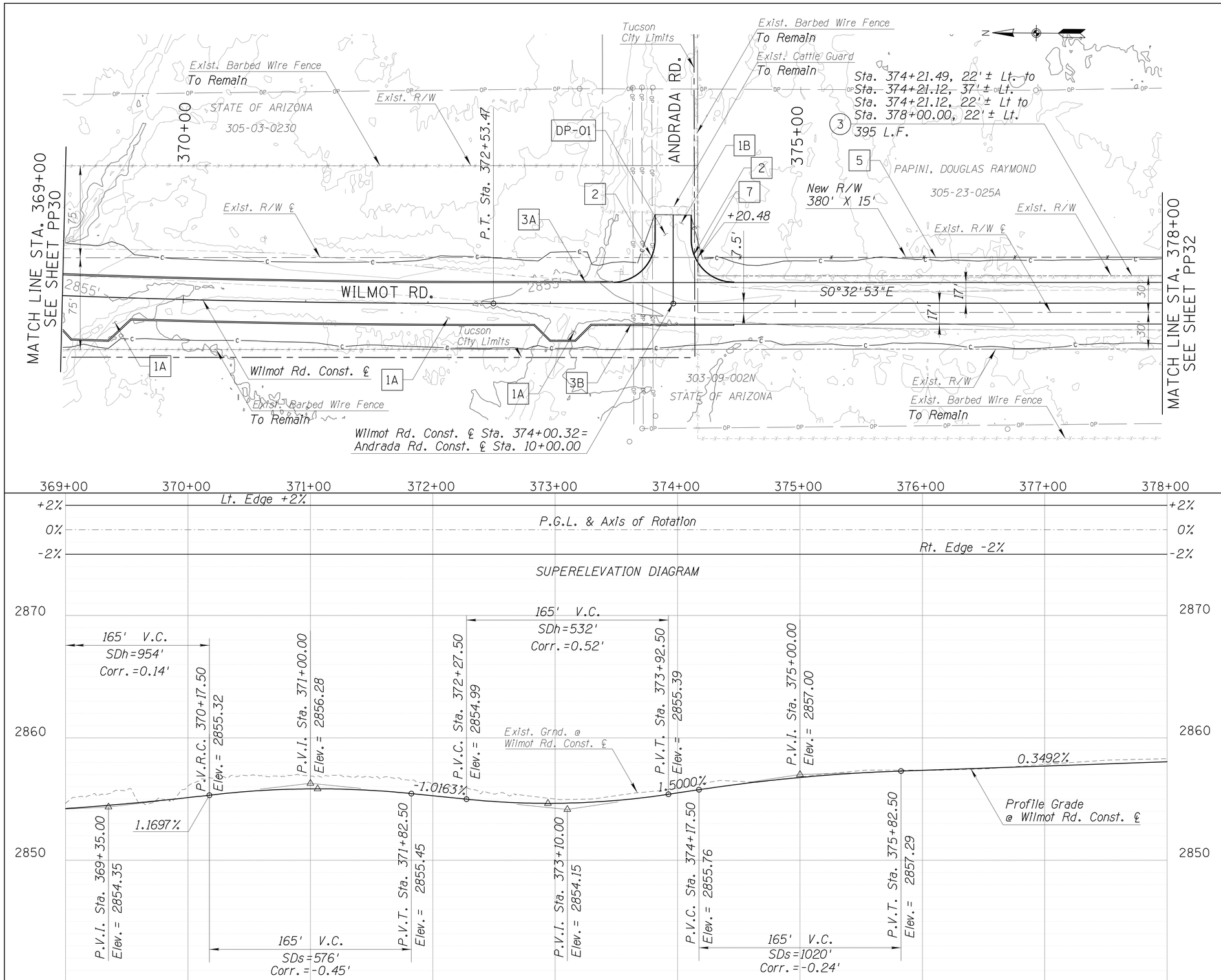
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 360+00 TO STA. 369+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP30 of PP42	Page 46 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp30.dgn DATE: 4/18/2016 TIME: 12:34:53 PM KershnerM



REMOVAL ITEMS (See Note 3)

(3) Remove Fence, Total= 395 L.F.

NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,857 S.F.

B Structural Section No. 2
Install 2,132 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 373+50.82, 17.00' Lt. to
Sta. 373+85.82, 72.53' Lt.
Sta. 374+14.82, 72.12' Lt. to
Sta. 374+49.84, 17.00' Lt.
Bid Item No. 9080402
Install 151 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 450 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 572 L.F.

5 Barbed Wire Fence, Type 1

ADOT Std. Dwg. C-12.10
Sta. 374+20.00, 37.50' Lt. to
Sta. 378+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 380 L.F.

7 Property Corner Rebar

Incidental to Bid
Item No. 9250001
Install 1 EA.

DP-01 See Side Street & Driveway Plan & Profile Sheet DP01

NOTES

1. See Signing Sheets for Sign Removals.
2. See Staking Sheet ST01.
3. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

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

Priscilla S. Cornelio, P.E., Director

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Call at least two full working days before you begin excavation
Stop Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-ST (782-5348)
Mail Stop 1-Century (1-800-782-5348)

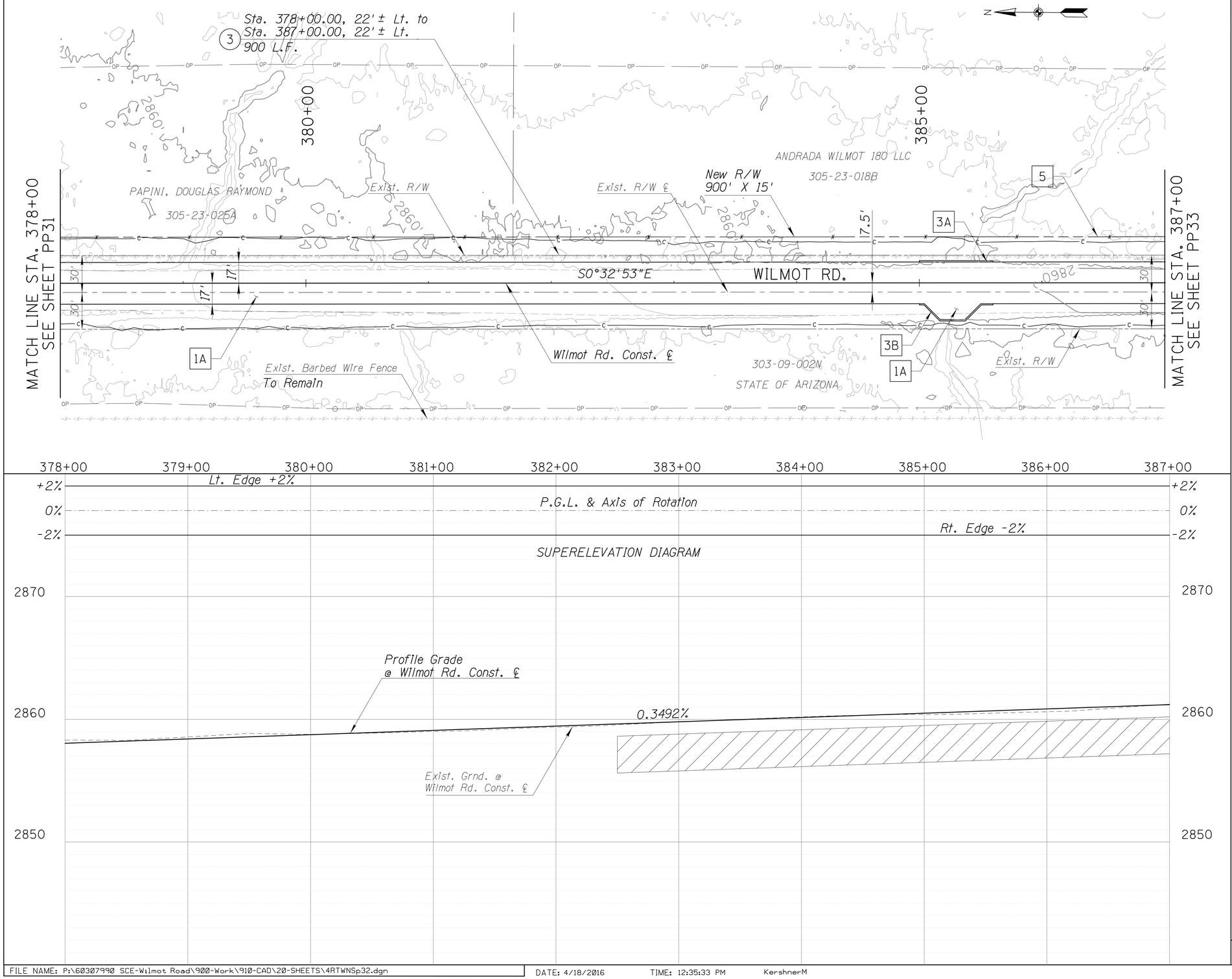
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 369+00 TO STA. 378+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP31 of PP42 | Page 47 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp31.dgn DATE: 4/18/2016 TIME: 12:35:14 PM KershnerM



REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total= 900 L.F.*

NEW ITEMS

1 *Pavement*
- A *Structural Section No. 1*
  Install 31,029 S.F.

3 *Conc. Ford Wall*
- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 60 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 71 L.F.

5 *Barbed Wire Fence, Type 1*
ADOT Std. Dwg. C-12.10
Sta. 378+00.00, 37.50' Lt. to
Sta. 387+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19918 MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Certificate of Authorization AECOM USA, Inc. 555 E. Wetmore Rd. Suite 400 Tucson, Arizona 85705 (520) 887-1800 Expires 6-30-16

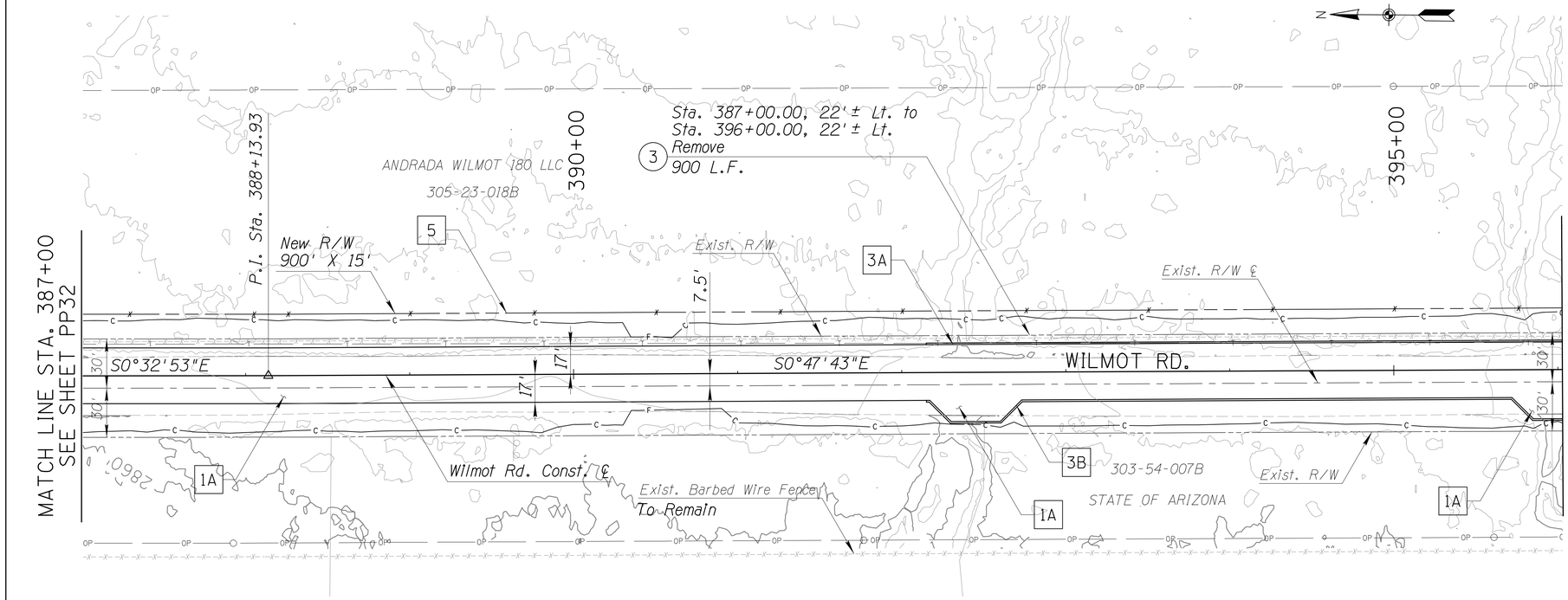
Pima County Department of Transportation

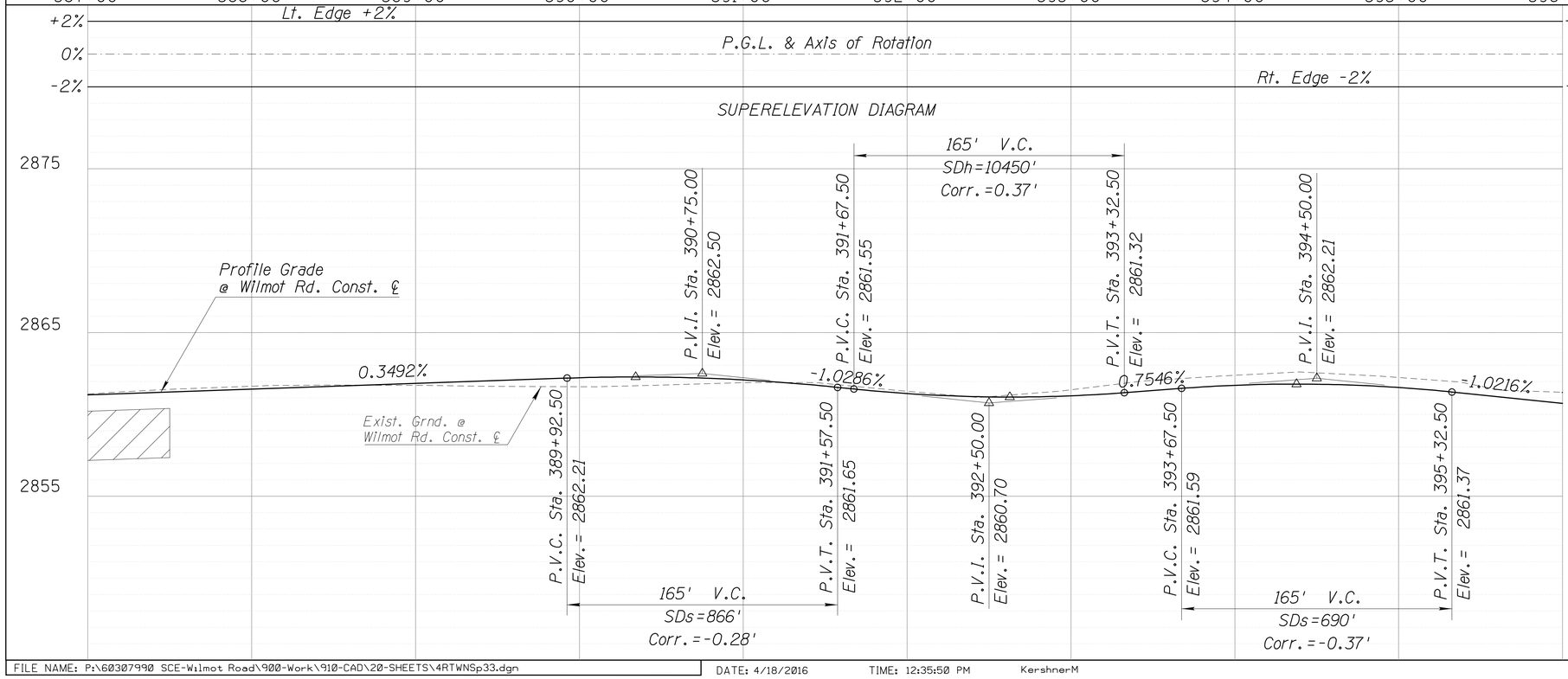
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 378+00 TO STA. 387+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP32 of PP42	Page 48 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp32.dgn DATE: 4/18/2016 TIME: 12:35:33 PM KershnerM





REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total= 900 L.F.*

NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 31,439 S.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 385 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 400 L.F.

5 *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 387+00.00, 37.50' Lt. to
Sta. 396+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP33 of PP42	Page 49 of 140

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

No.	Revision Description	Engineer	Date

	Designed	MPK	Date 04/16
	Drawn	MPK	04/16
	Checked	CJR	04/16
	Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 32931 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

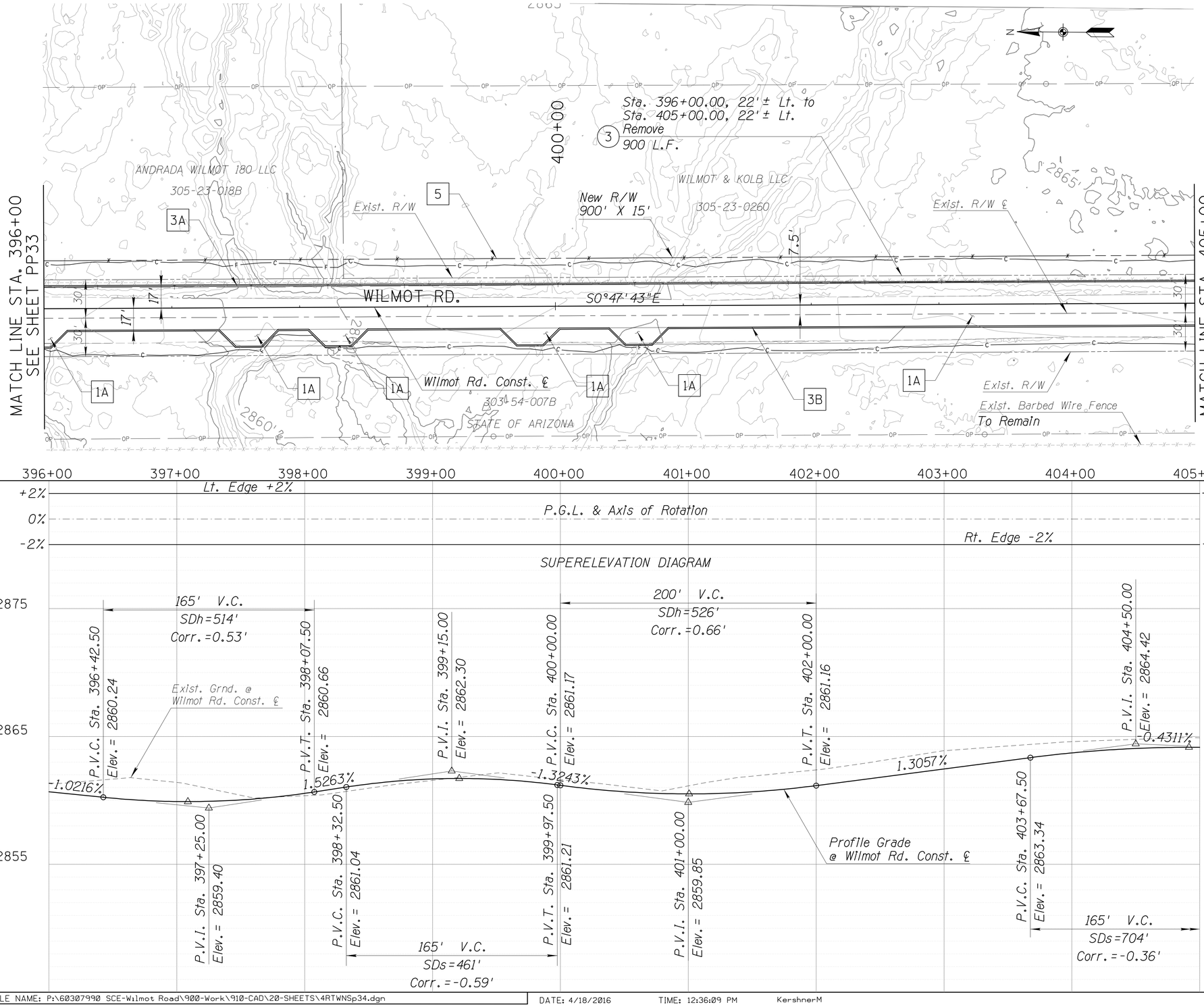
AECOM TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Call at least two full working days before you dig, it's the law! Arizona Blue Stake, Inc. 602-263-1100 or 1-800-782-5348 (Outside Maricopa County) www.azbluestake.com

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 387+00 TO STA. 396+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp33.dgn DATE: 4/18/2016 TIME: 12:35:50 PM KershnerM



REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total= 900 L.F.*

NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 32,469 S.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 900 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 950 L.F.

5 *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 396+00.00, 37.50' Lt. to
Sta. 405+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

SCALE: 1"=40'

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

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 32993 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

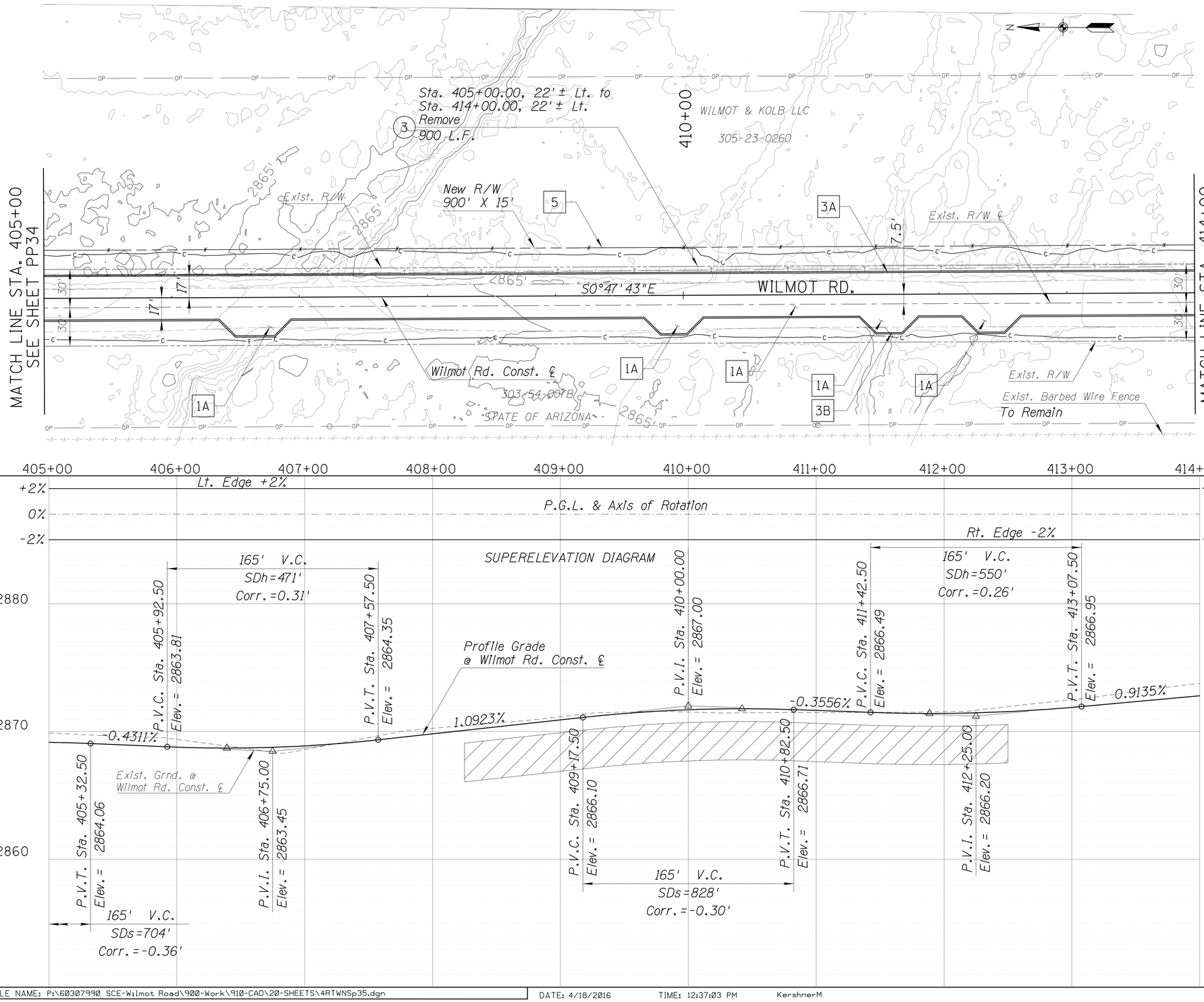
AECOM
TRANSPORTATION
AECOM USA, Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 396+00 TO STA. 405+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP34 of PP42	Page 50 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp34.dgn DATE: 4/18/2016 TIME: 12:36:09 PM KershnerM



REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total= 900 L.F.*

NEW ITEMS

1 *Pavement*

A *Structural Section No. 1*
Install 32,446 S.F.

3 *Conc. Ford Wall*

A *See Dtl. RD01*
Bid Item No. 9080502
Install 900 L.F.

B *See Dtl. RD01*
Bid Item No. 9080504
Install 945 L.F.

5 *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 405+00.00, 37.50' Lt. to
Sta. 414+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP35 of PP42	Page 51 of 140

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

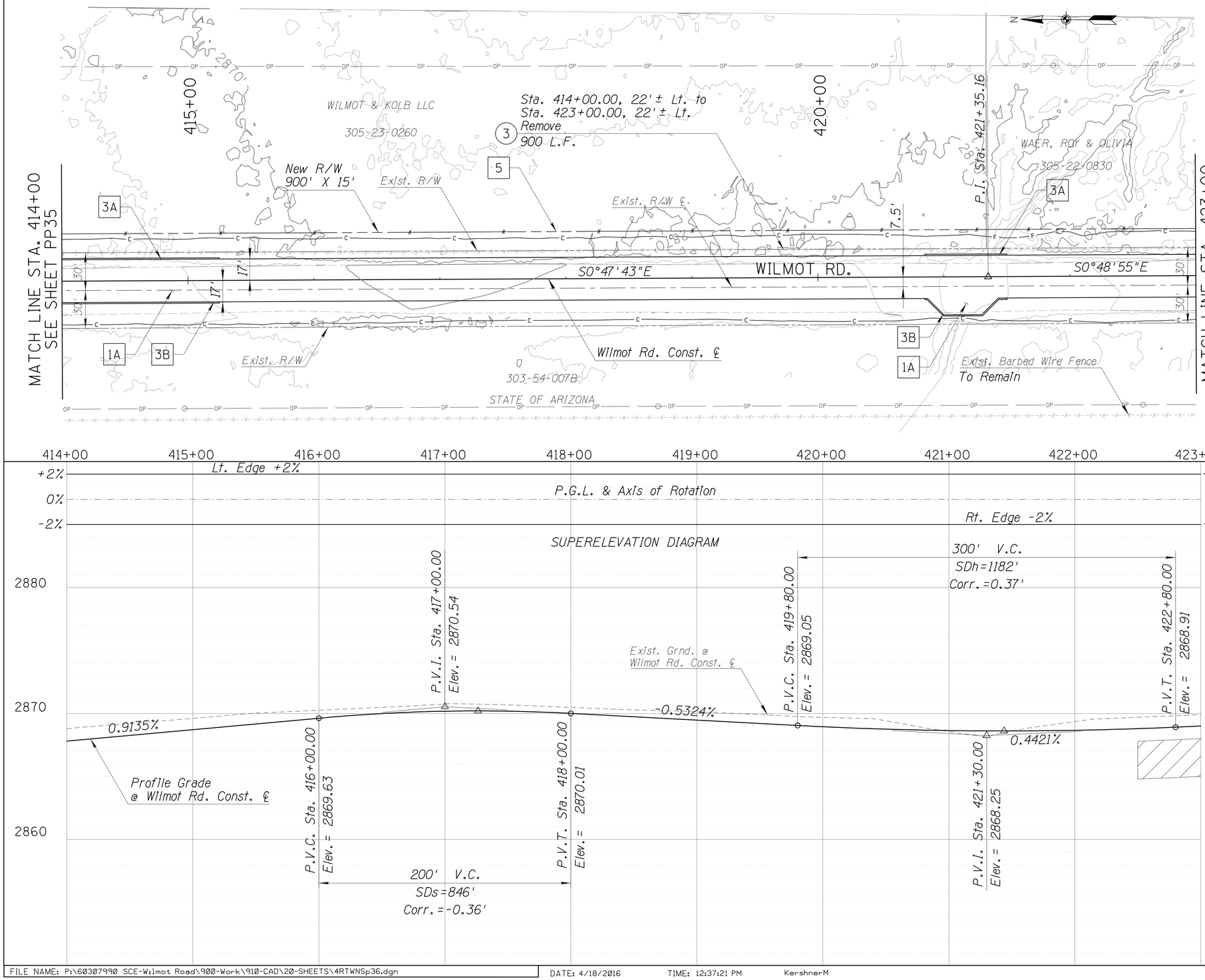
REGISTERED PROFESSIONAL ENGINEER (Civil) CERTIFICATE NO. 39301 MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 405+00 TO STA. 414+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp35.dgn DATE: 4/18/2016 TIME: 12:37:03 PM KershnerM



REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total = 900 L.F.*

NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 31,159 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 190 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 201 L.F.

5 *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 414+00.00, 37.50' Lt. to
Sta. 423+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

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

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) CERTIFICATE NO. 32900 MATTHEW P. KERSHNER DATE SIGNED 5/31/16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

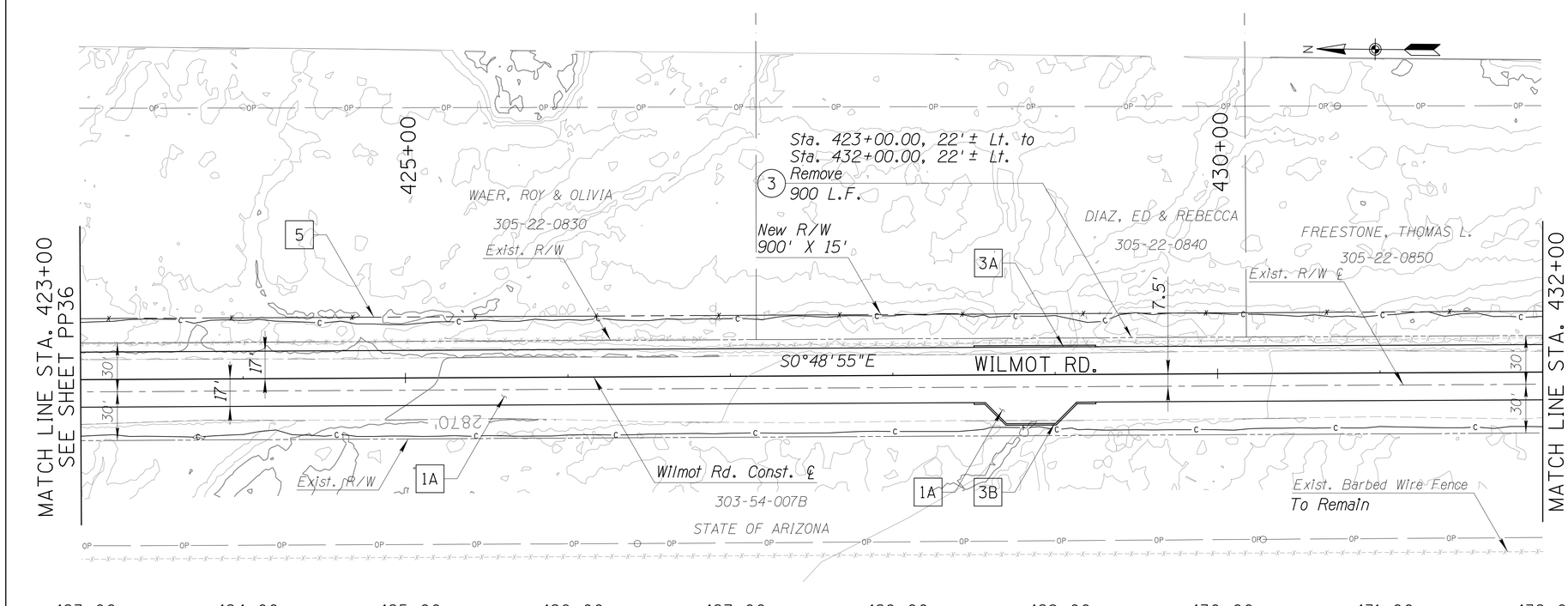
Certificate of Authorization
ARIZONA BOARD OF TECHNICAL REGISTRATION
AECOM USA Inc.
Expires 6/30/2016

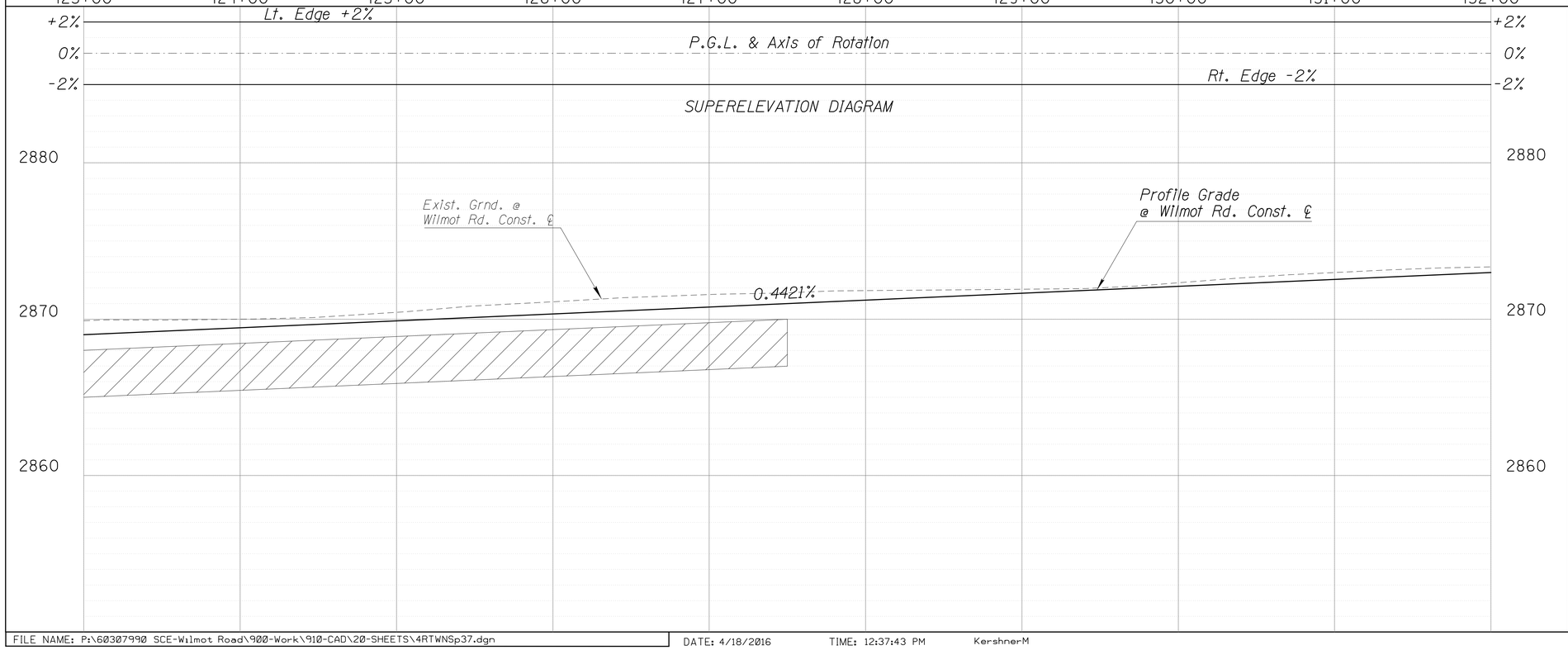
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 414+00 TO STA. 423+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP36 of PP42	Page 52 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp36.dgn DATE: 4/18/2016 TIME: 12:37:21 PM KershnerM





REMOVAL ITEMS (See Note 2)

(3) *Remove Fence, Total = 900 L.F.*

NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 31,159 S.F.

3 *Conc. Ford Wall*

- A *See Dtl. RD01*
  Bid Item No. 9080502
  Install 75 L.F.
- B *See Dtl. RD01*
  Bid Item No. 9080504
  Install 86 L.F.

5 *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 423+00.00, 37.50' Lt. to
Sta. 432+00.00, 37.50' Lt.
Bid Item No. 9020301
Install 900 L.F.

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

LEGEND

Limits of Overexcavation and Removal
See Dtl. RD02

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER CERTIFICATE NO. 39187 DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

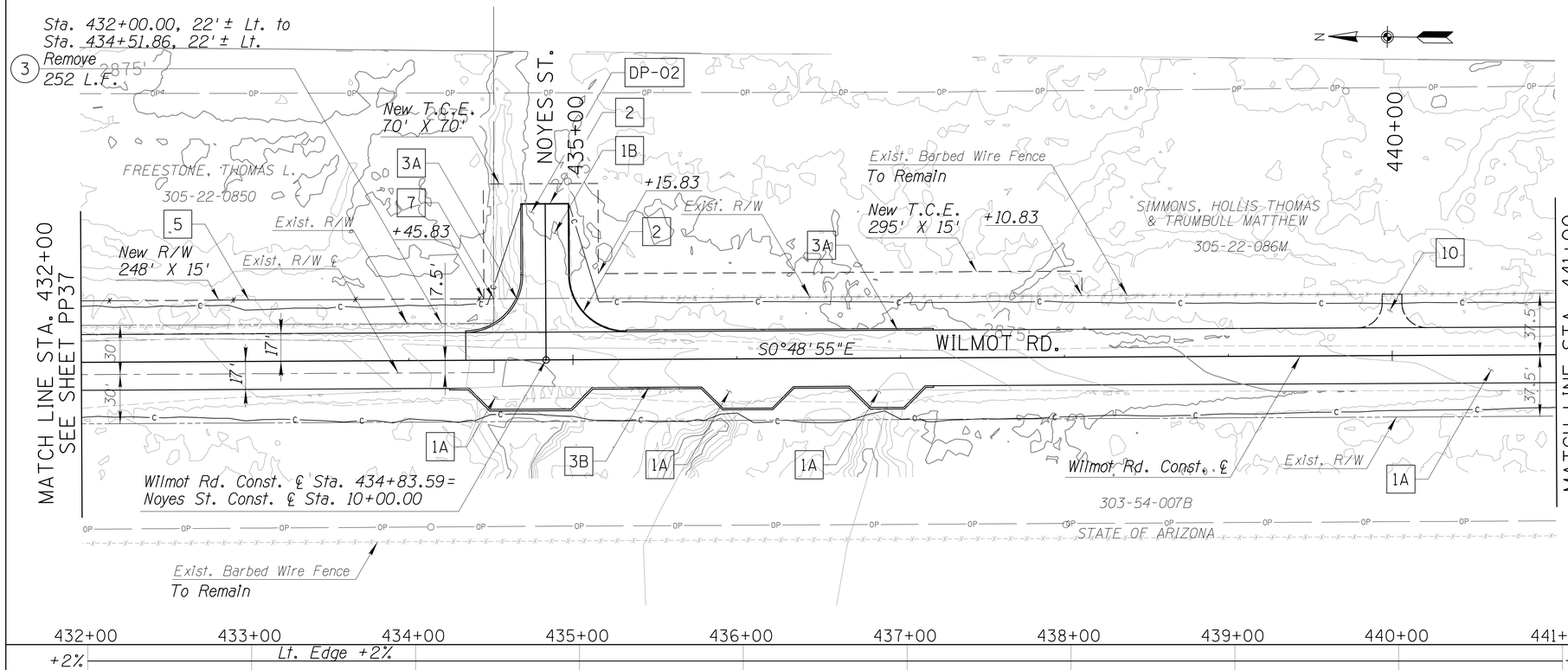
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 423+00 TO STA. 432+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP37 of PP42	Page 53 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp37.dgn DATE: 4/18/2016 TIME: 12:37:43 PM KershnerM



REMOVAL ITEMS (See Note 3)

(3) *Remove Fence, Total = 252 L.F.*

NEW ITEMS

[1] *Pavement*

- [A] *Structural Section No. 1*
  Install 32,397 S.F.
- [B] *Structural Section No. 2*
  Install 2,710 S.F.

[2] *Conc. Header*

Std. Dtl. 213
Sta. 434+69.59, 95.00' Lt to
Sta. 434+97.59, 95.00' Lt. to
Sta. 435+32.59, 17.00' Lt.
Bid Item No. 9080402
Install 126 L.F.

[3] *Conc. Ford Wall*

- [A] *See Dtl. RD01*
  Bid Item No. 9080502
  Install 285 L.F.
- [B] *See Dtl. RD01*
  Bid Item No. 9080504
  Install 328 L.F.

[5] *Barbed Wire Fence, Type 1*

ADOT Std. Dwg. C-12.10
Sta. 432+00.00, 37.50' Lt. to
Sta. 434+51.86, 37.50' Lt.
Bid Item No. 9020301
Install 252 L.F.

[7] *Property Corner Rebar*

Incidental to Bid
Item No. 9250001
Install 1 EA.

[10] *Grader Turnout*

See Dtl. RD03

[DP-02] *See Side Street & Driveway Plan & Profile Sheet DP01*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *See Staking Sheet ST01.*
3. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP38 of PP42 | Page 54 of 140

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

No.	Revision Description	Engineer	Date

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Professional Engineer (Civil) Certificate No. 41990 Matthew P. Kershner State of Arizona Registered Expires 6-30-16

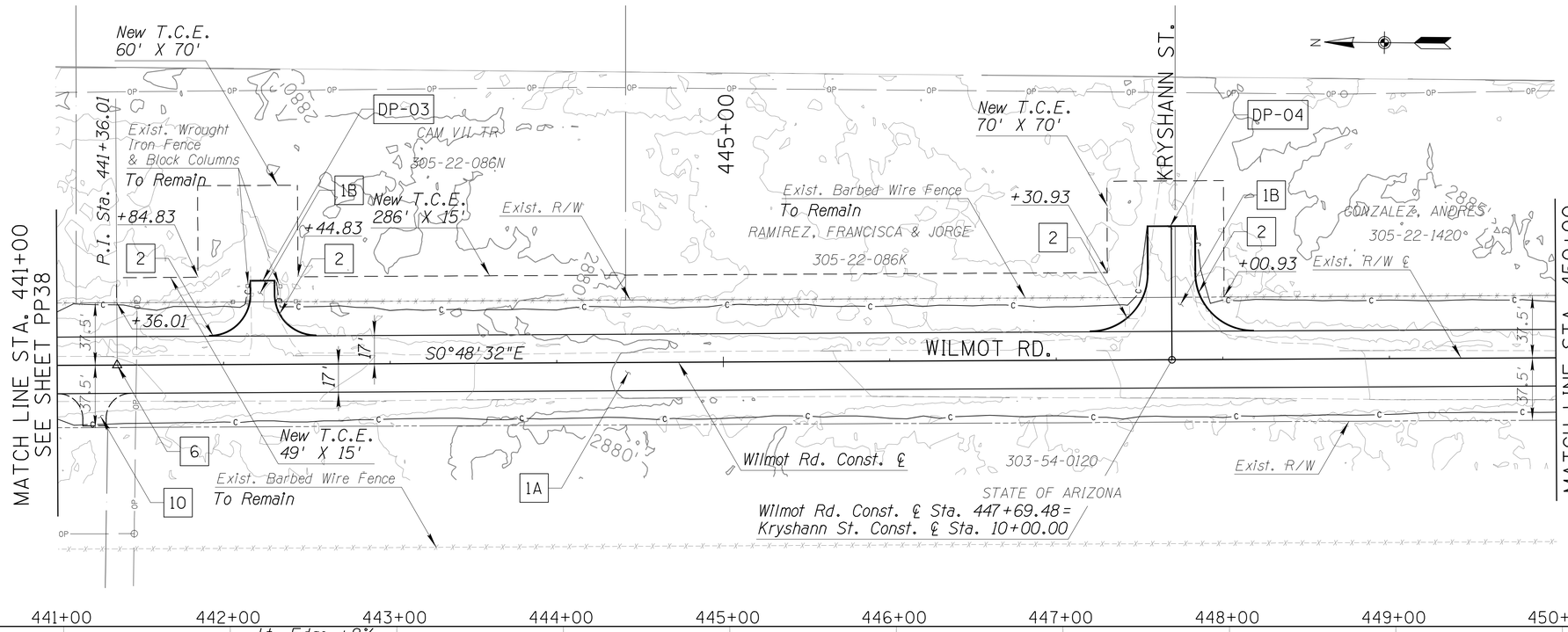
AECOM
TRANSPORTATION
AECOM USA, Inc.
3251 E. WILLIAMS FIELD RD, STE 400
Tucson, Arizona 85706
T 520.867.7800 F 520.867.8438
www.aecom.com

Call at least two full working days before you dig. ARIZONA BLUE STAKE, INC. 602-263-1100 or 1-800-782-5348 Arizona Blue Stake, Inc. is not a locator. Underground members must locate their facilities.

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 432+00 TO STA. 441+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp38.dgn | DATE: 4/18/2016 | TIME: 12:38:00 PM | KershnerM



NEW ITEMS

1 *Pavement*

- A *Structural Section No. 1*
  Install 30,600 S.F.
- B *Structural Section No. 2*
  Install 3,020 S.F.

2 *Conc. Header*

Std. Dtl. 213
Sta. 441+91.54, 17.00' Lt. to
Sta. 442+16.54, 50.00' Lt. to
Sta. 442+30.54, 50.00' Lt. to
Sta. 442+55.54, 17.00' Lt.
Sta. 447+20.48, 17.00' Lt. to
Sta. 447+55.48, 80.00' Lt. to
Sta. 447+83.48, 80.00' Lt. to
Sta. 448+18.48, 17.00' Lt.
Bid Item No. 9080402
Install 304 L.F.

10 *Grader Turnout*

See Dtl. RD03

DP-03 *See Side Street & Driveway Plan & Profile Sheet DP02*

DP-04 *See Side Street & Driveway Plan & Profile Sheet DP02*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *See Staking Sheets ST01 and ST02.*

LEGEND

Limits of Overexcavation and Removal See Dtl. RD02

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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP39 of PP42 | Page 55 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp39.dgn DATE: 4/18/2016 TIME: 12:38:18 PM KershnerM

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16

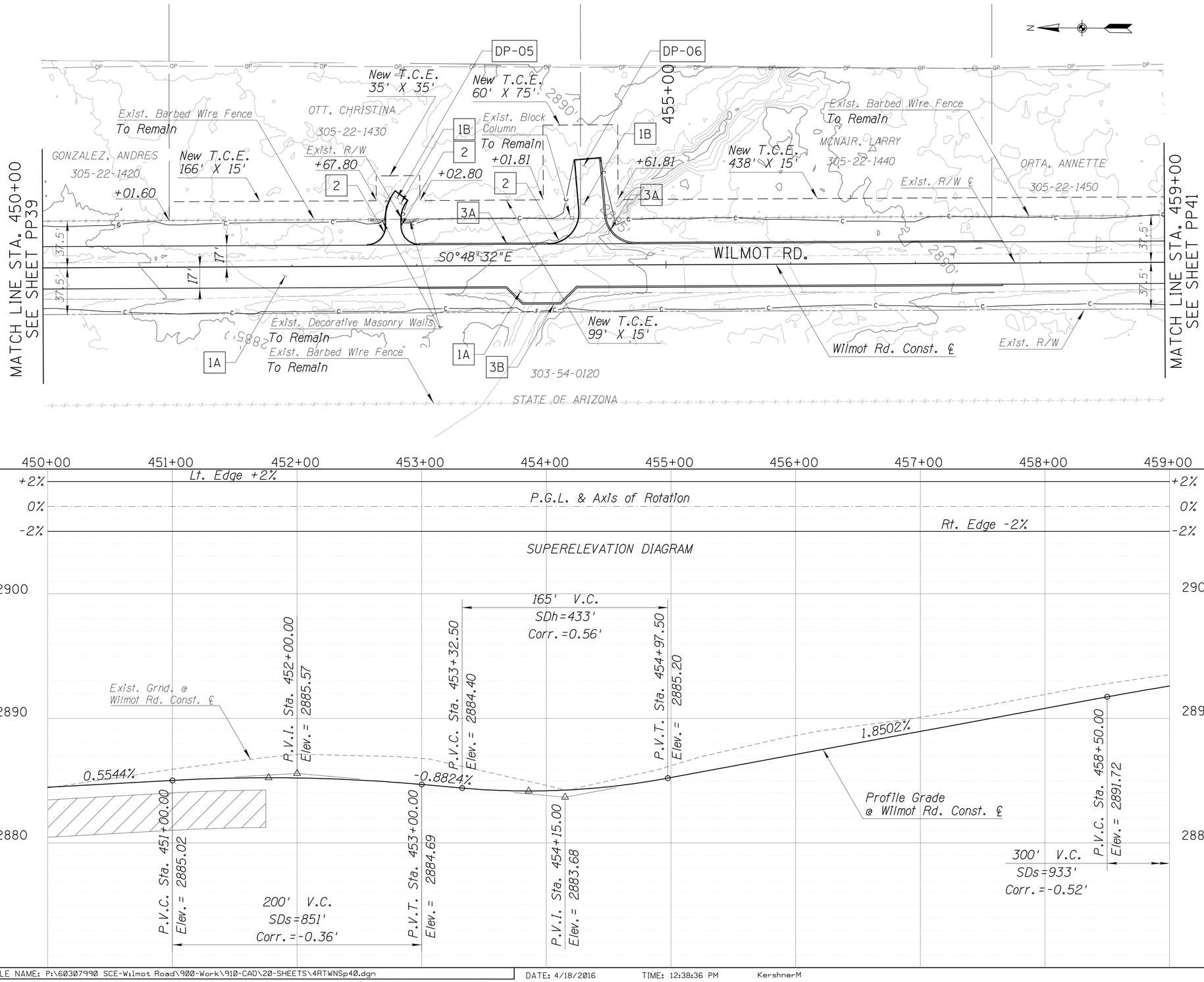
REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 5-10-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 441+00 TO STA. 450+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS



NEW ITEMS

1 Pavement

A Structural Section No. 1
Install 31,159 S.F.

B Structural Section No. 2
Install 2,224 S.F.

2 Conc. Header

Std. Dtl. 213
Sta. 452+60.32, 17.00' Lt. to
Sta. 452+83.14, 60.05' Lt. to
Sta. 452+92.59, 52.65' Lt. to
Sta. 453+02.32, 17.00' Lt.
Sta. 454+05.55, 17.00' Lt. to
Sta. 454+27.30, 84.21' Lt. to
Sta. 454+47.24, 85.79' Lt.
Bid Item No. 9080402
Install 214 L.F.

3 Conc. Ford Wall

A See Dtl. RD01
Bid Item No. 9080502
Install 480 L.F.

B See Dtl. RD01
Bid Item No. 9080504
Install 478 L.F.

DP-05 See Side Street & Driveway Plan & Profile Sheet DP03

DP-06 See Side Street & Driveway Plan & Profile Sheet DP04

NOTES

1. See Signing Sheets for Sign Removals.
2. See Staking Sheet ST02.

LEGEND

Limits of Overexcavation and Removal See Dtl. RD02

SCALE: 1"=40'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation
ARIZONA 811
Blue Stake, Inc. 1-800-STAKE-IT (782-5348)
Mountain Country (602) 263-1100

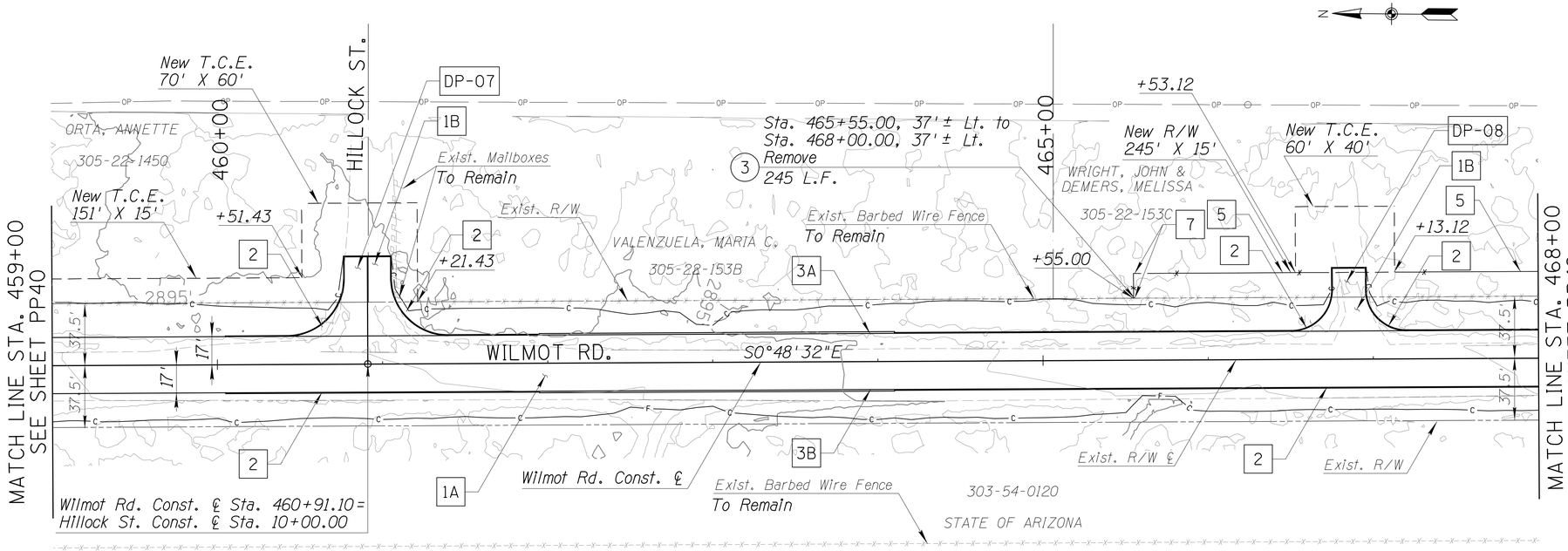
Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 450+00 TO STA. 459+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP40 of PP42 | Page 56 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp40.dgn DATE: 4/18/2016 TIME: 12:38:36 PM KershnerM



REMOVAL ITEMS (See Note 3)

(3) *Remove Fence, Total = 245 L.F.*

NEW ITEMS

[1] *Pavement*

[A] *Structural Section No. 1*
Install 30,600 S.F.

[B] *Structural Section No. 2*
Install 2,898 S.F.

[2] *Conc. Header*

Std. Dtl. 213
Sta. 460+05.00, 17.00' Lt. to
Sta. 460+77.10, 65.00' Lt. to
Sta. 461+05.10, 65.00' Lt. to
Sta. 461+95.00, 17.00' Lt.
Sta. 460+05.00, 17.00' Rt. to
Sta. 461+95.00, 17.00' Rt.
Sta. 464+10.00, 17.00' Lt. to
Sta. 466+75.42, 55.00' Lt. to
Sta. 466+95.42, 55.00' Lt. to
Sta. 468+00.00, 17.00' Lt.
Sta. 464+10.00, 17.00' Rt. to
Sta. 468+00.00, 17.00' Rt.
Bid Item No. 9080402
Install 1,282 L.F.

[3] *Conc. Ford Wall*

[A] *See Dtl. RD01*
Bid Item No. 9080502
Install 215 L.F.

[B] *See Dtl. RD01*
Bid Item No. 9080504
Install 215 L.F.

[5] *Barbed Wire Fence, Type 1*
ADOT Std. Dwg. C-12.10
Sta. 465+55.00, 37.50' Lt. to
Sta. 465+55.00, 52.50' Lt. to
Sta. 466+65.00, 52.50' Lt.
Sta. 467+05.00, 52.50' Lt. to
Sta. 468+00.00, 52.50' Lt.
Bid Item No. 9020301
Install 220 L.F.

[7] *Property Corner Rebar*

Incidental to Bid
Item No. 9250001
Install 2 EA.

DP-07 *See Side Street & Driveway Plan & Profile Sheet DP04*

DP-08 *See Side Street & Driveway Plan & Profile Sheet DP05*

NOTES

1. *See Signing Sheets for Sign Removals.*
2. *See Staking Sheet ST03.*
3. *All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.*

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

Scale: 1" = 40' Horiz. 1" = 4' Vert. | Sheet PP41 of PP42 | Page 57 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp41.dgn DATE: 4/18/2016 TIME: 12:38:55 PM KershnerM

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

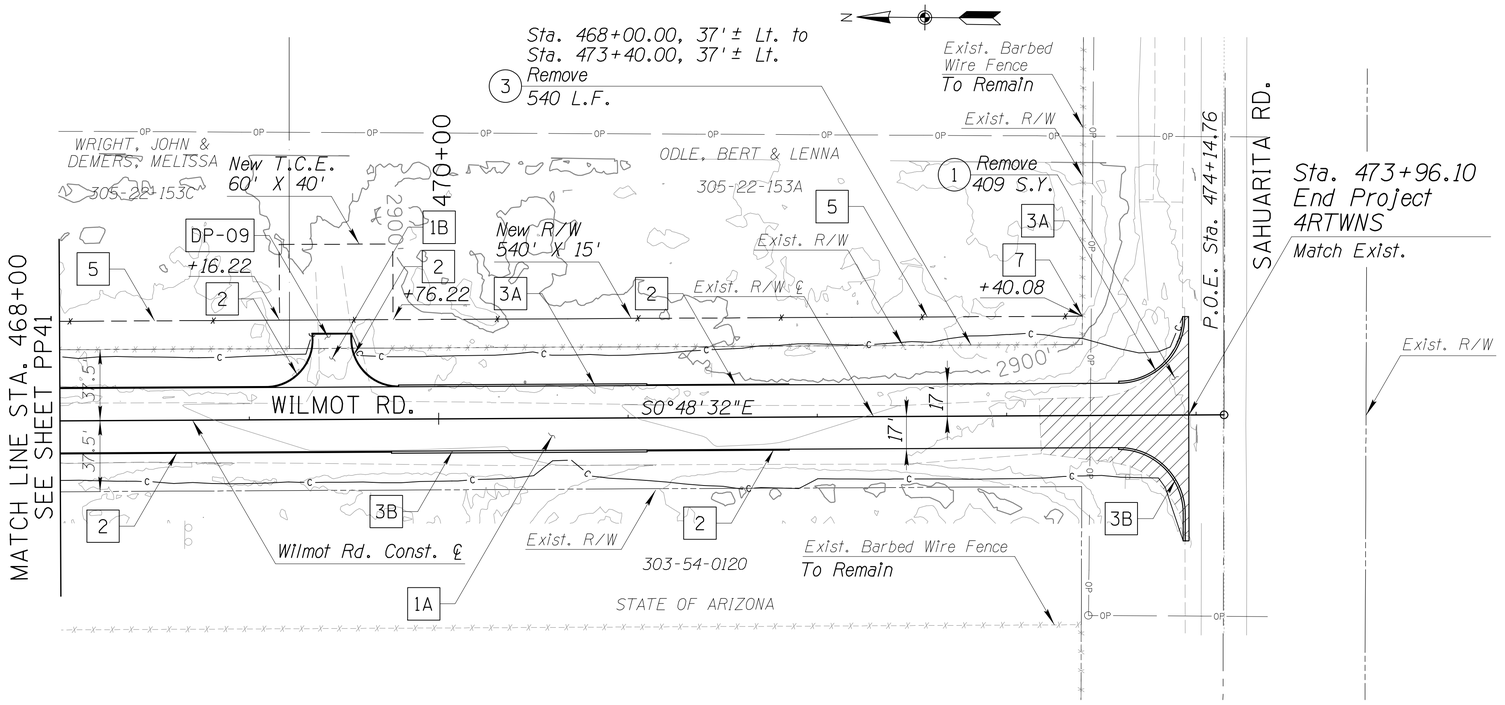
Professional Engineer (Civil) CERTIFICATE NO. 40090 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

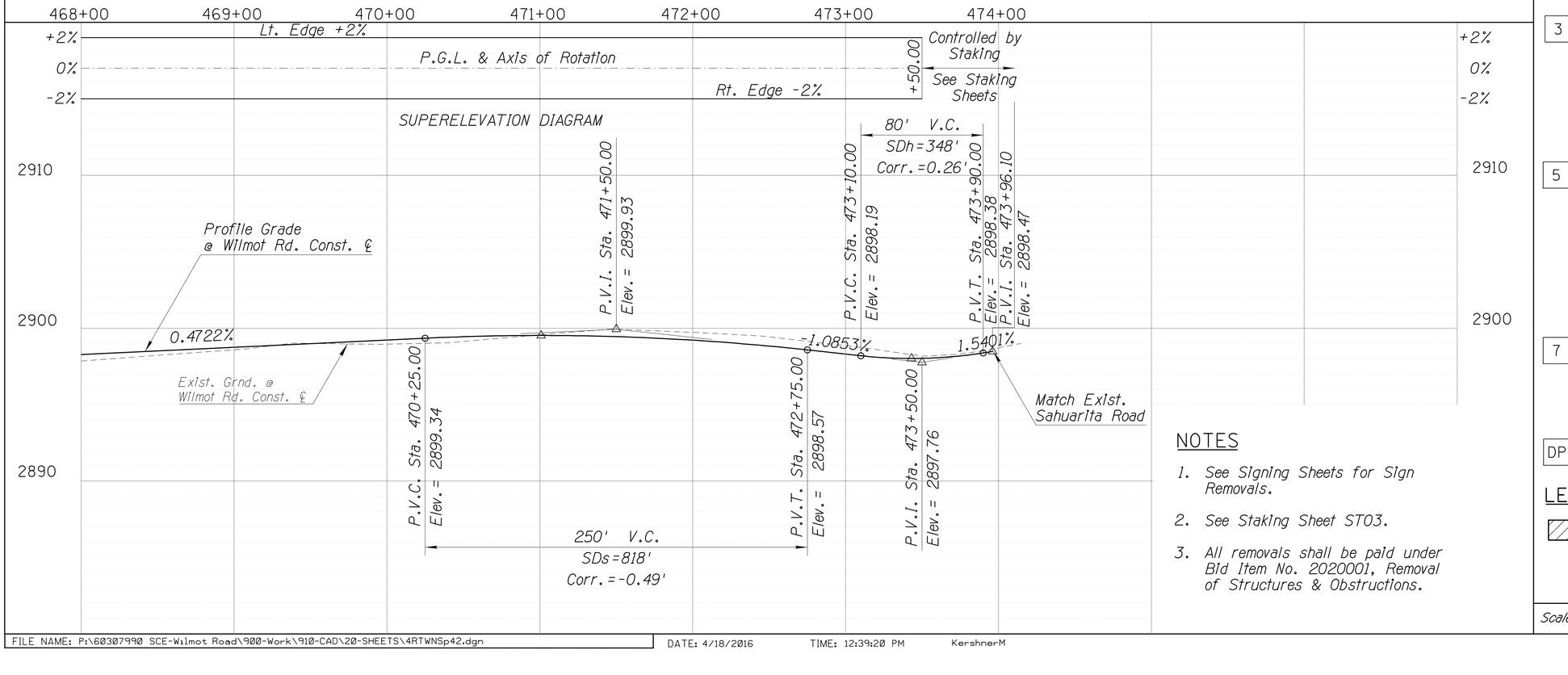
AECOM
TRANSPORTATION
AECOM USA, Inc.
3311 E. WETMORE RD. STE. 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Pima County Department of Transportation

ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 459+00 TO STA. 468+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS





REMOVAL ITEMS (See Note 3)

(1) Remove Pavement, Total= 409 S.Y.

(3) Remove Fence, Total= 540 L.F.

NEW ITEMS

[1] Pavement

[A] Structural Section No. 1
Install 20,960 S.F.

[B] Structural Section No. 2
Install 828 S.F.

[2] Conc. Header

Std. Dtl. 213
Sta. 468+00.00, 17.00' Lt. to
Sta. 469+33.86, 45.00' Lt. to
Sta. 469+53.86, 45.00' Lt. to
Sta. 469+78.86, 17.00' Lt.
Sta. 468+00.00, 17.00' Rt. to
Sta. 469+75.00, 17.00' Rt.
Sta. 471+10.00, 17.00' Lt. to
Sta. 471+85.00, 17.00' Lt.
Sta. 471+10.00, 17.00' Rt. to
Sta, 471+85.00, 17.00' Rt.
Bid Item No. 9080402
Install 540 L.F.

[3] Conc. Ford Wall

[A] See Dtl. RD01
Bid Item No. 9080502
Install 185 L.F.

[B] See Dtl. RD01
Bid Item No. 9080504
Install 204 L.F.

[5] Barbed Wire Fence, Type 1

ADOT Std. Dwg. C-12.10
Sta. 468+00.00, 52.50' Lt. to
Sta. 469+24.00, 52.50' Lt.
Sta. 469+64.00, 52.50' Lt. to
Sta. 473+40.00, 52.50' Lt.
Bid Item No. 9020301
Install 500 L.F.

[7] Property Corner Rebar

Incidental to Bid
Item No. 9250001
Install 1 EA.

[DP-09] See Side Street & Driveway Plan & Profile Sheet DP05

NOTES

1. See Signing Sheets for Sign Removals.
2. See Staking Sheet ST03.
3. All removals shall be paid under Bid Item No. 2020001, Removal of Structures & Obstructions.

LEGEND

Pavement Removal

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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
555 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7600 F 520.887.8438
www.aecom.com

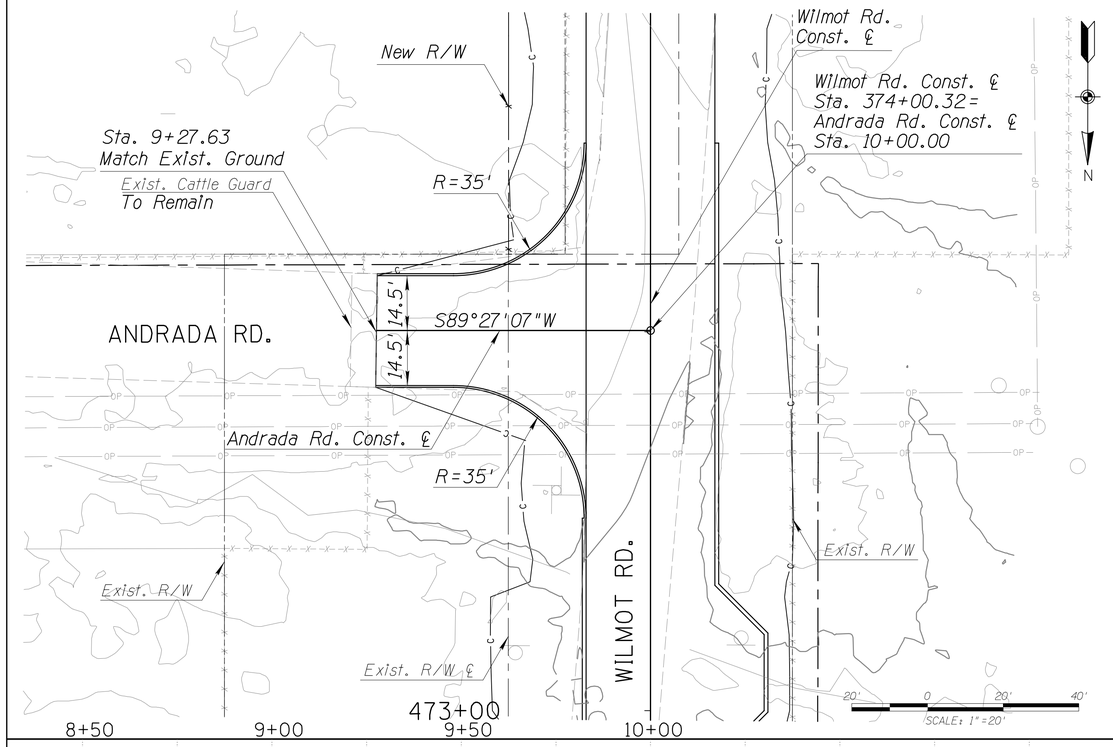
Pima County Department of Transportation

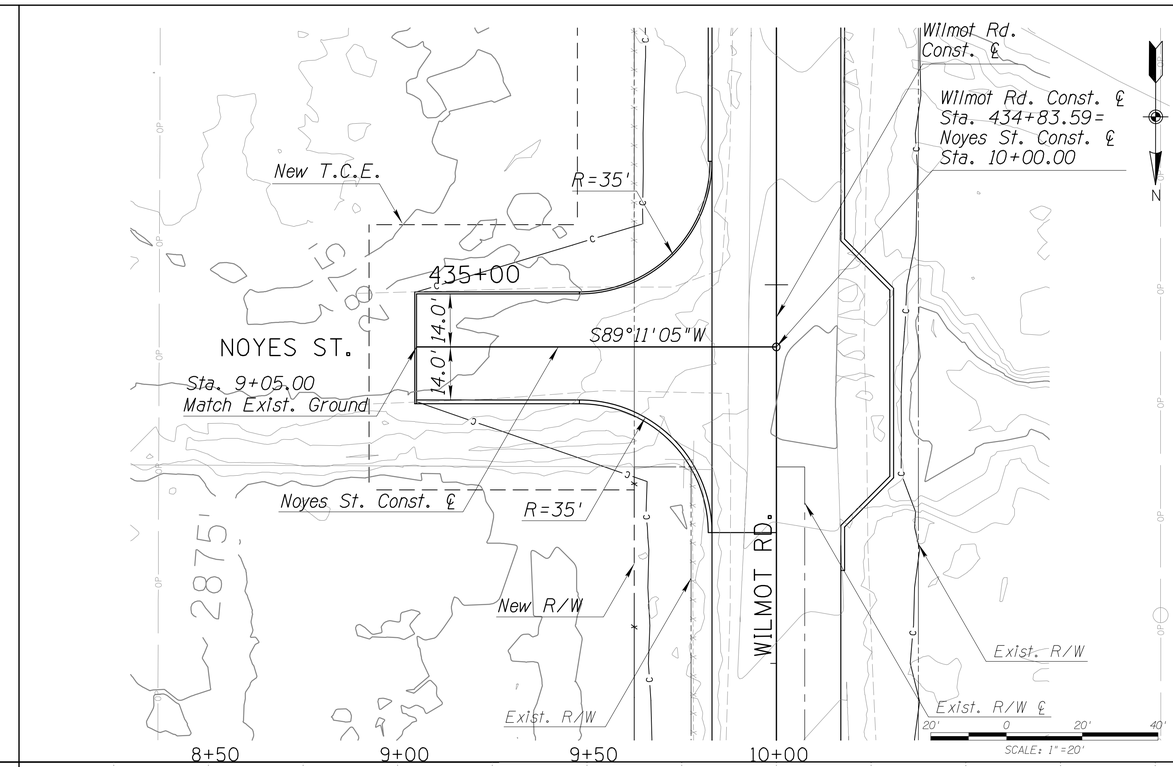
ROADWAY PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 468+00 TO STA. 473+91
PROJECT NO. 4RTWNS

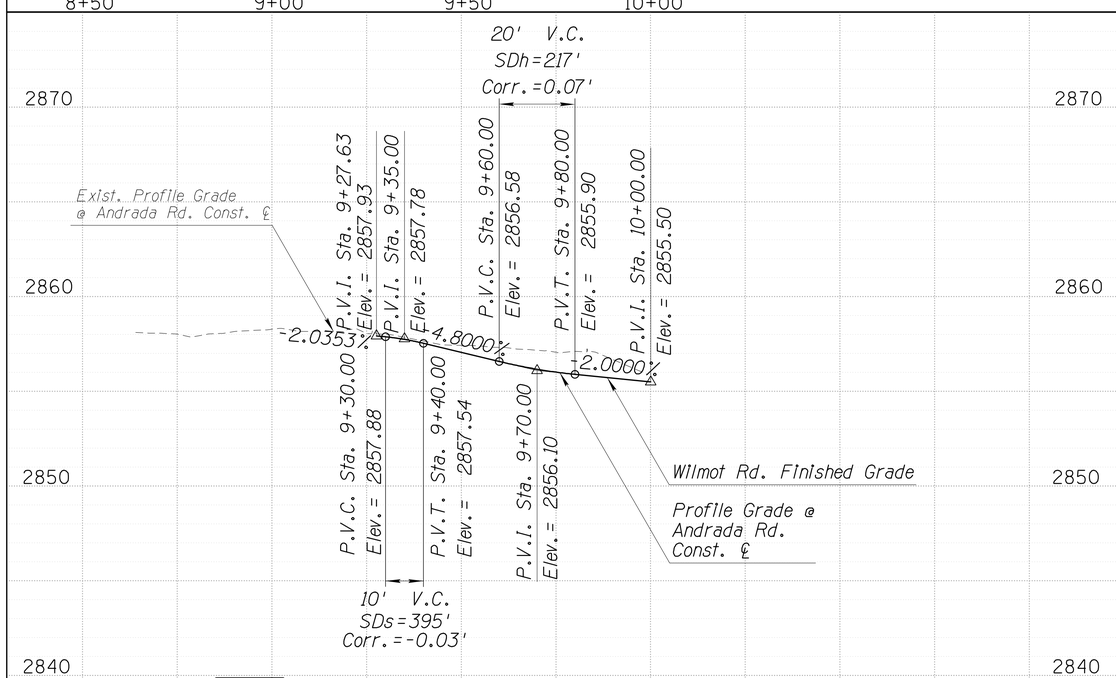
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 40' Horiz. 1" = 4' Vert.	Sheet PP42 of PP42	Page 58 of 140

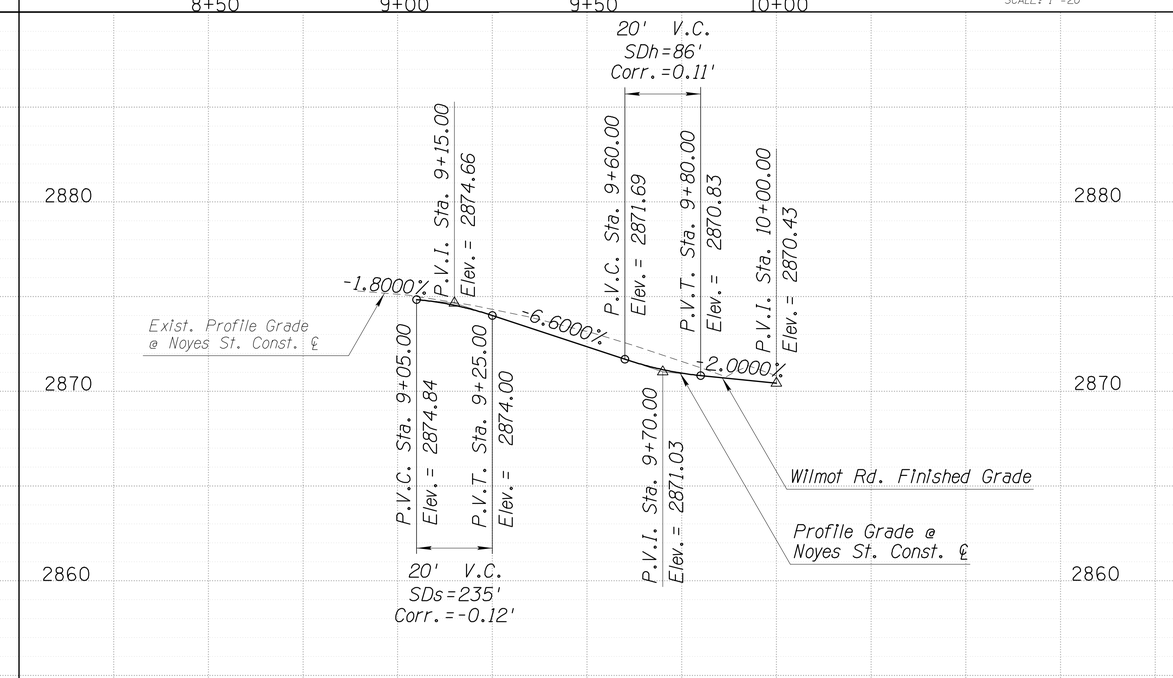
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSp42.dgn DATE: 4/18/2016 TIME: 12:39:20 PM KershnerM







DP-01 Andrada Rd. ℄ @ Wilmot Rd. Sta. 374+00.32 Lt.



DP-02 Noyes St. ℄ @ Wilmot Rd. Sta. 434+83.59 Lt.

Priscilla S. Cornelio, P.E., Director

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438
www.aecom.com

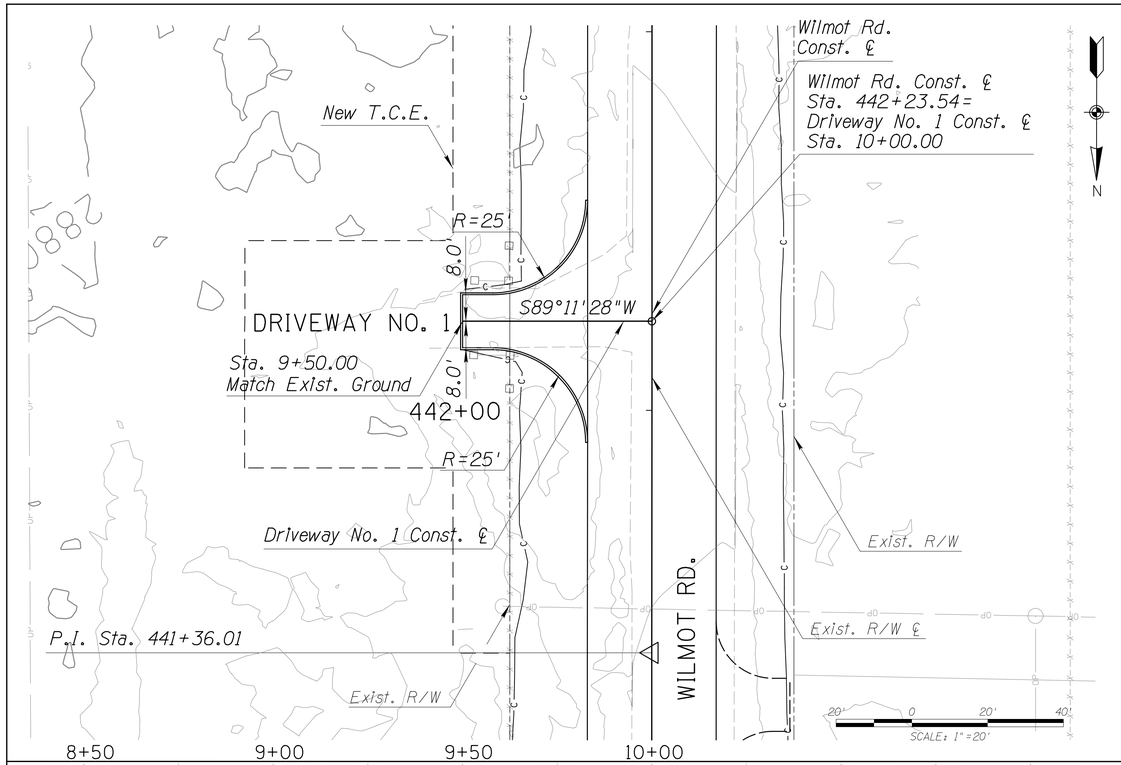
Pima County Department of Transportation

SIDE STREET & DRIVEWAY
PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

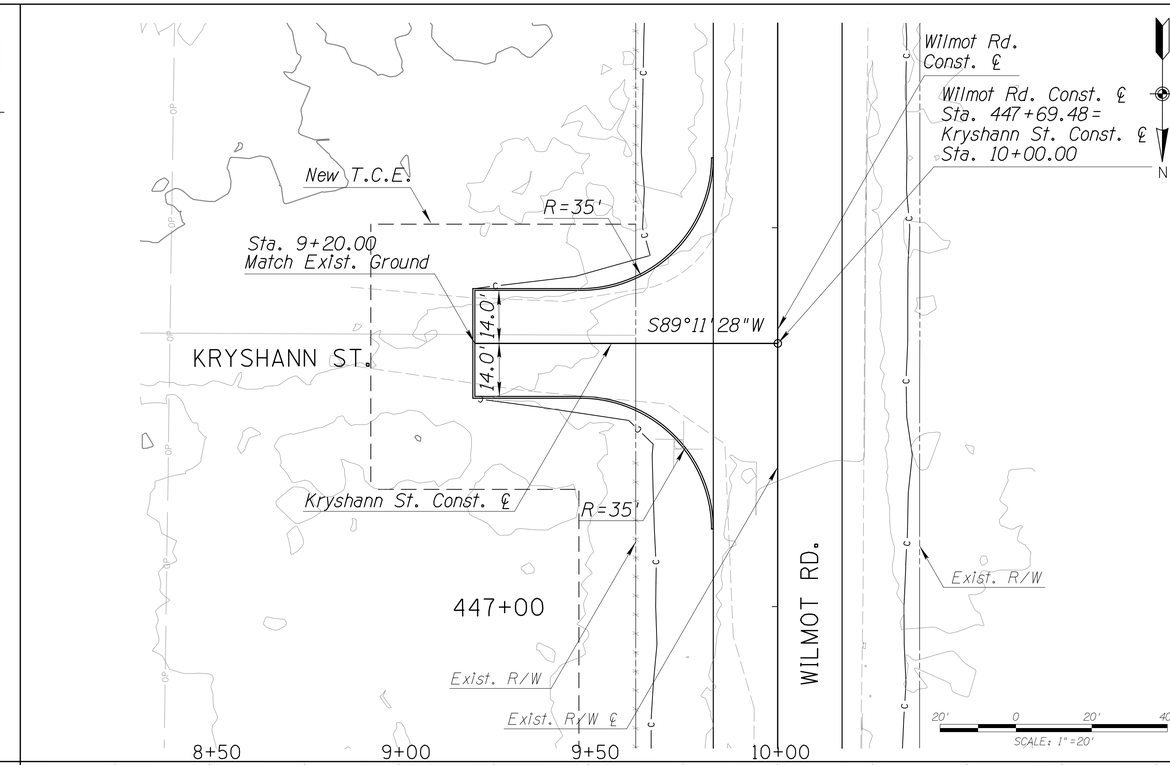
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 20' Horiz. 1" = 4' Vert. | SheetDP01 of DP05 | Page 59 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_t01.dgn DATE: 4/18/2016 TIME: 12:52:24 PM KershnerM



DP-03 Driveway No. 1 ℄ @ Wilmot Rd. Sta. 442+23.54 Lt.



DP-04 Kryshann St. ℄ @ Wilmot Rd. Sta. 447+69.48 Lt.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

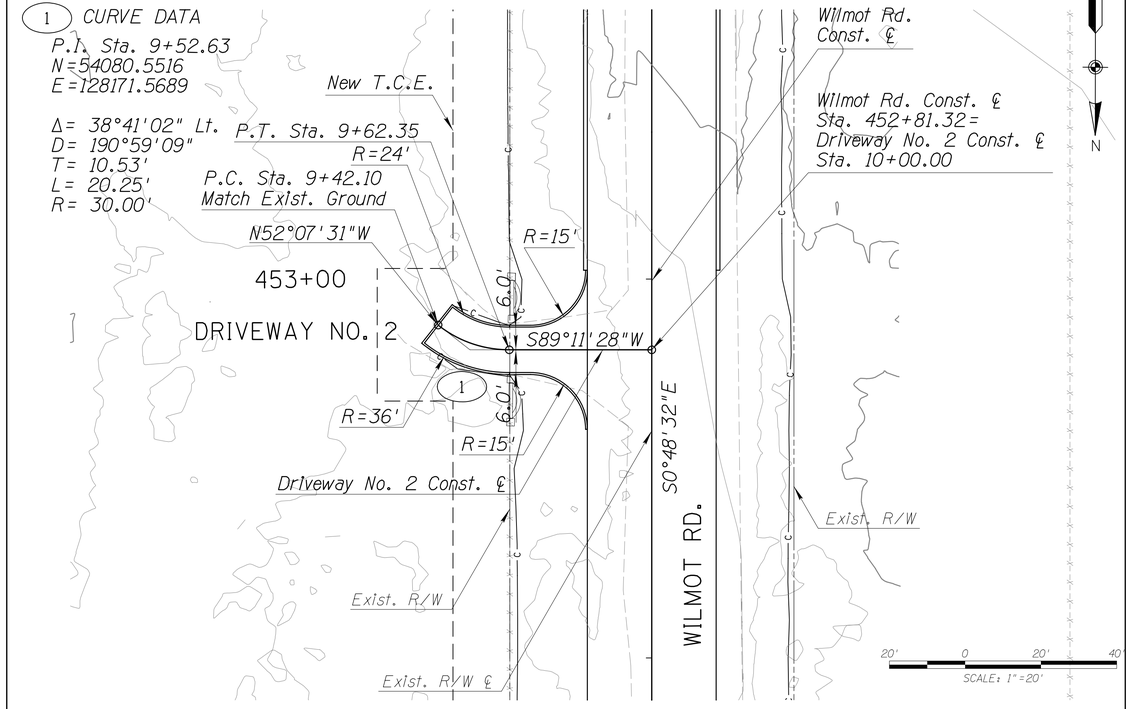
Pima County Department of Transportation

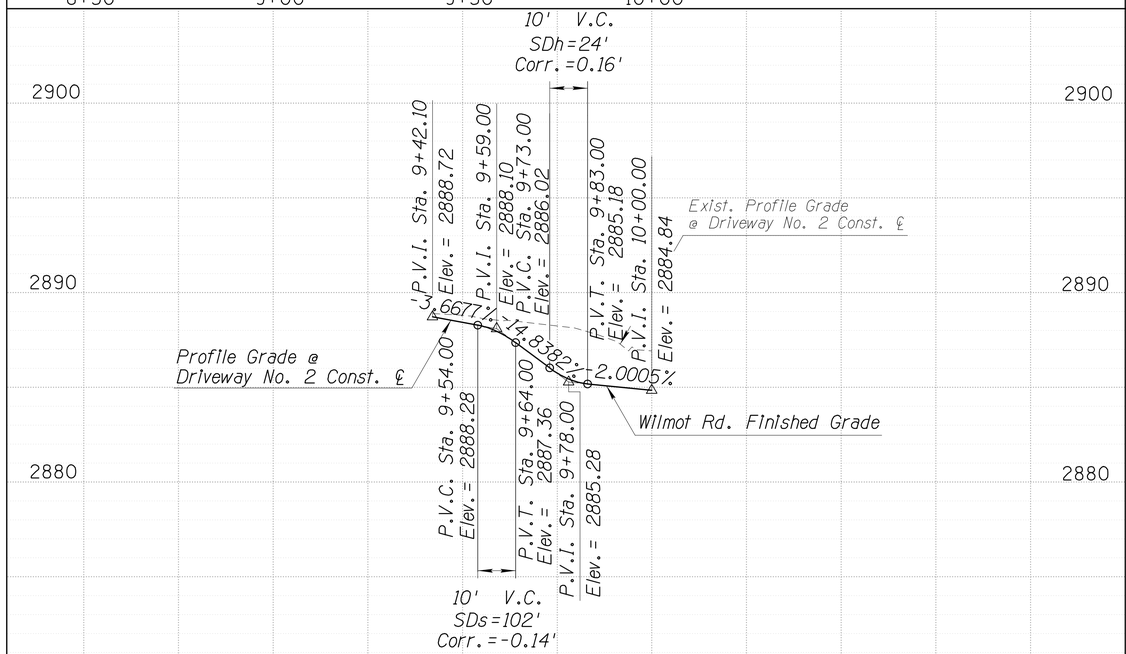
SIDE STREET & DRIVEWAY
PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 20' Horiz. 1" = 4' Vert. | Sheet DP02 of DP05 | Page 60 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_t02.dgn DATE: 4/18/2016 TIME: 12:47:12 PM KershnerM





DP-05 Driveway No. 2 ℄ @ Wilmot Rd. Sta. 452+81.32 Lt.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 40090 MATTHEW P. KERSHNER STATE OF ARIZONA EXPIRES 6-30-16

AECOM

TRANSPORTATION

AECOM USA Inc.
3311 E. WILMOT RD. STE 400
Tucson, Arizona 85706
T 520.867.7800 F 520.867.8438

www.aecom.com

Call at least two full working days before you begin excavation. ARIZONA BLUE STAKE, INC. Arizona Law requires notification prior to excavation. Stay back from marked utilities. Failure to do so could result in injury, damage and service interruption.

Pima County Department of Transportation

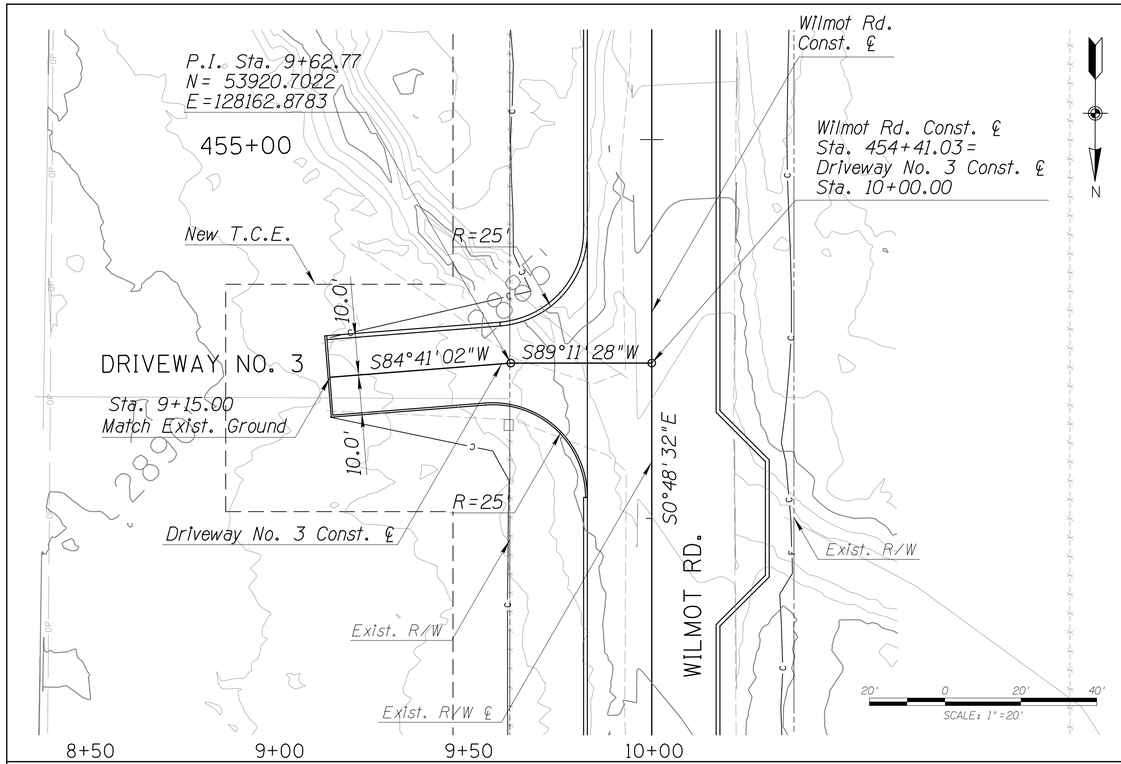
SIDE STREET & DRIVEWAY
PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

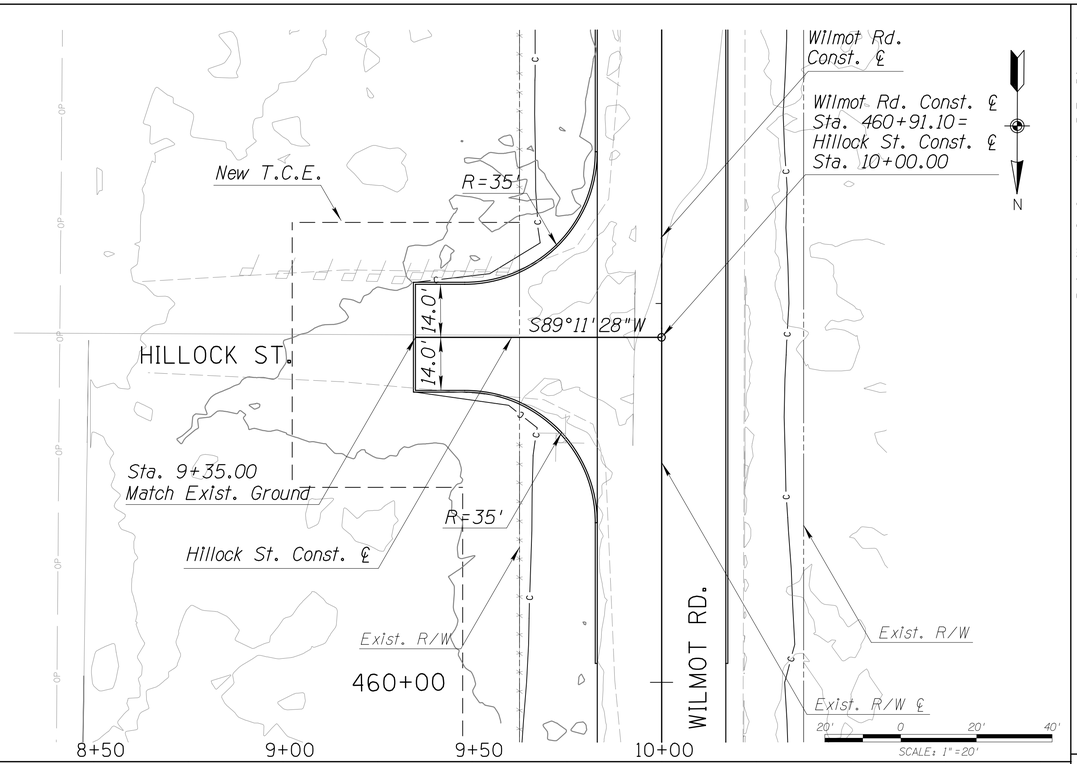
PROJECT NO. 4RTWNS

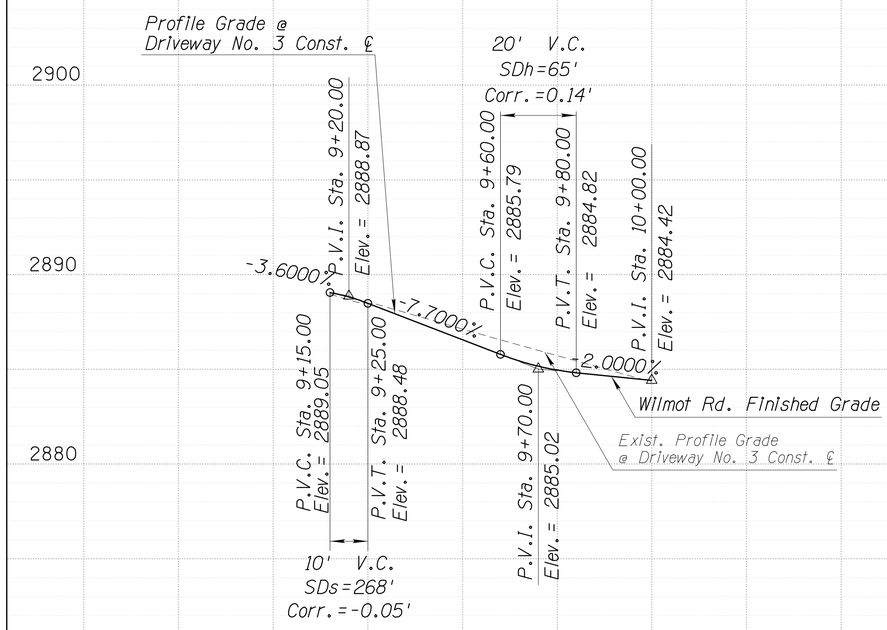
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 20' Horiz. 1" = 4' Vert. | Sheet DP03 of DP05 | Page 61 of 140

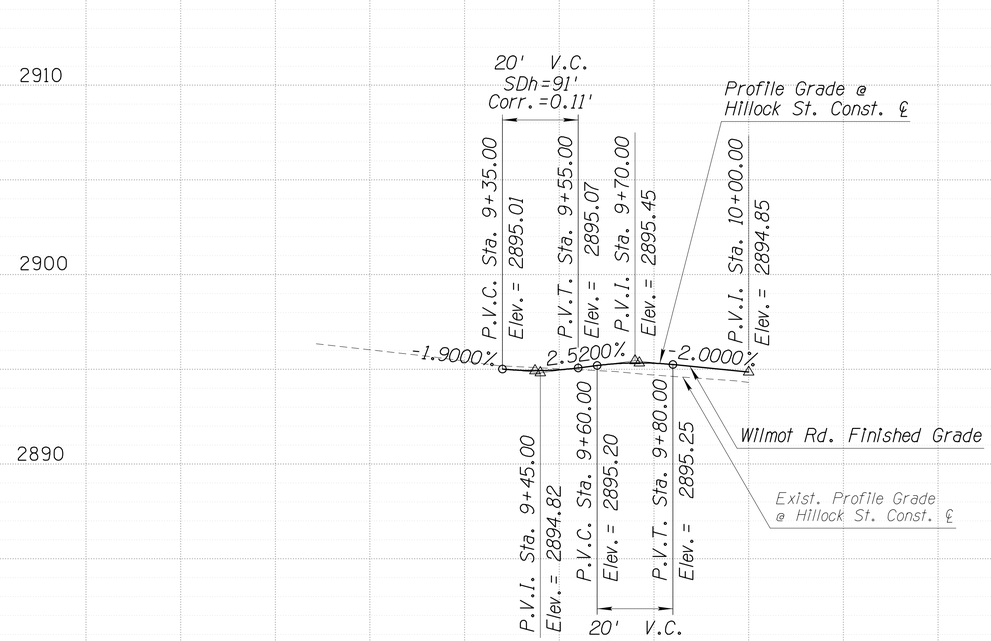
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_t02a.dgn DATE: 4/18/2016 TIME: 12:47:53 PM KershnerM







DP-06 Driveway No. 3 ℄ @ Wilmot Rd. Sta. 454+41.03 Lt.



DP-07 Hillock St. ℄ @ Wilmot Rd. Sta. 460+91.10 Lt.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19920 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Pima County Department of Transportation

SIDE STREET & DRIVEWAY
PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

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

Sheet DP04 of DP05

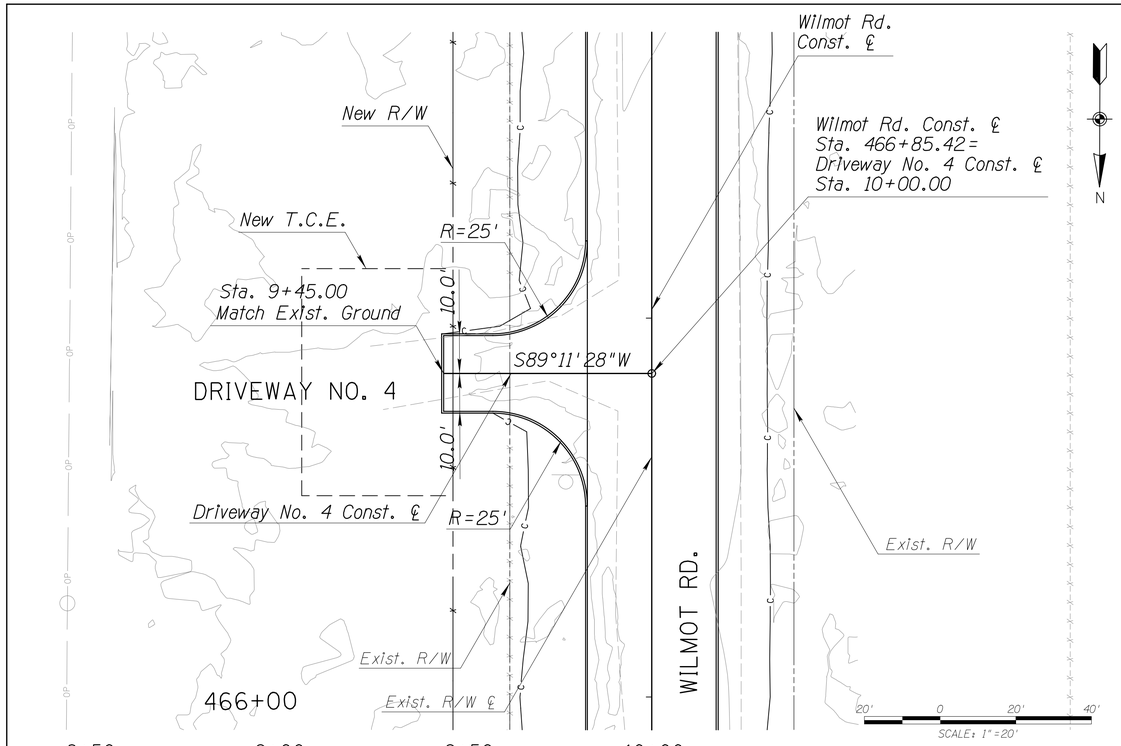
Page 62 of 140

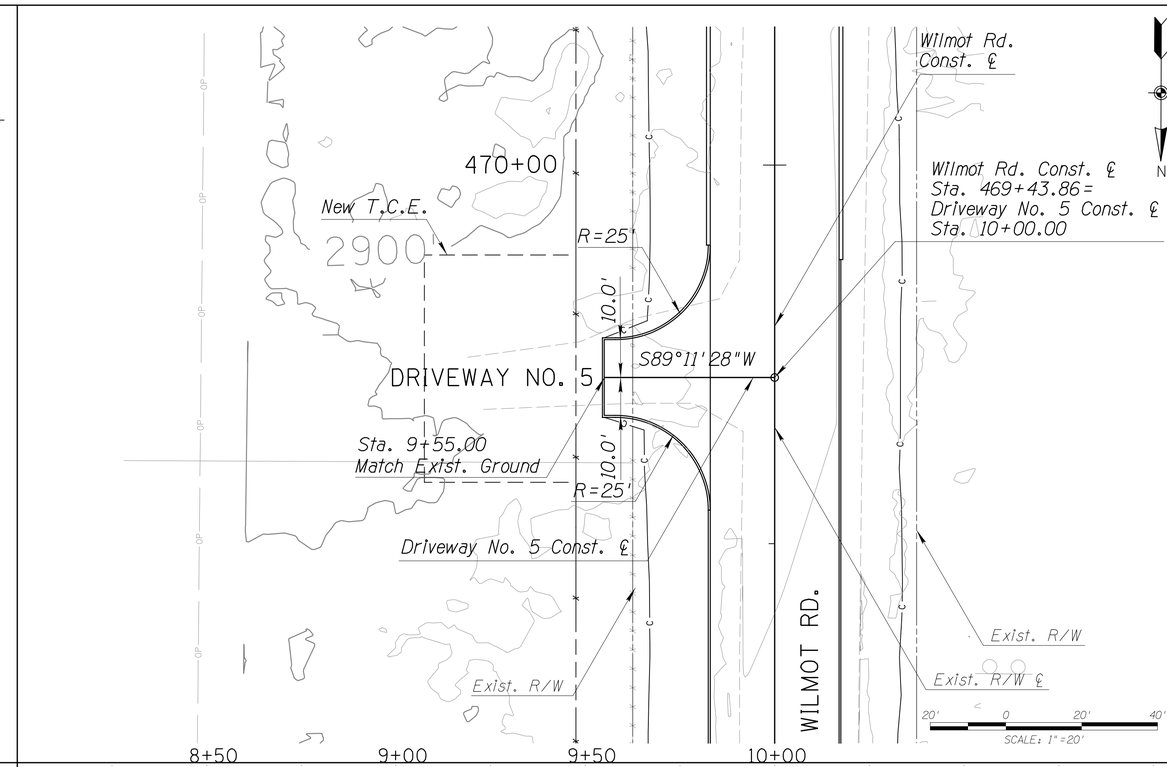
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_t03.dgn

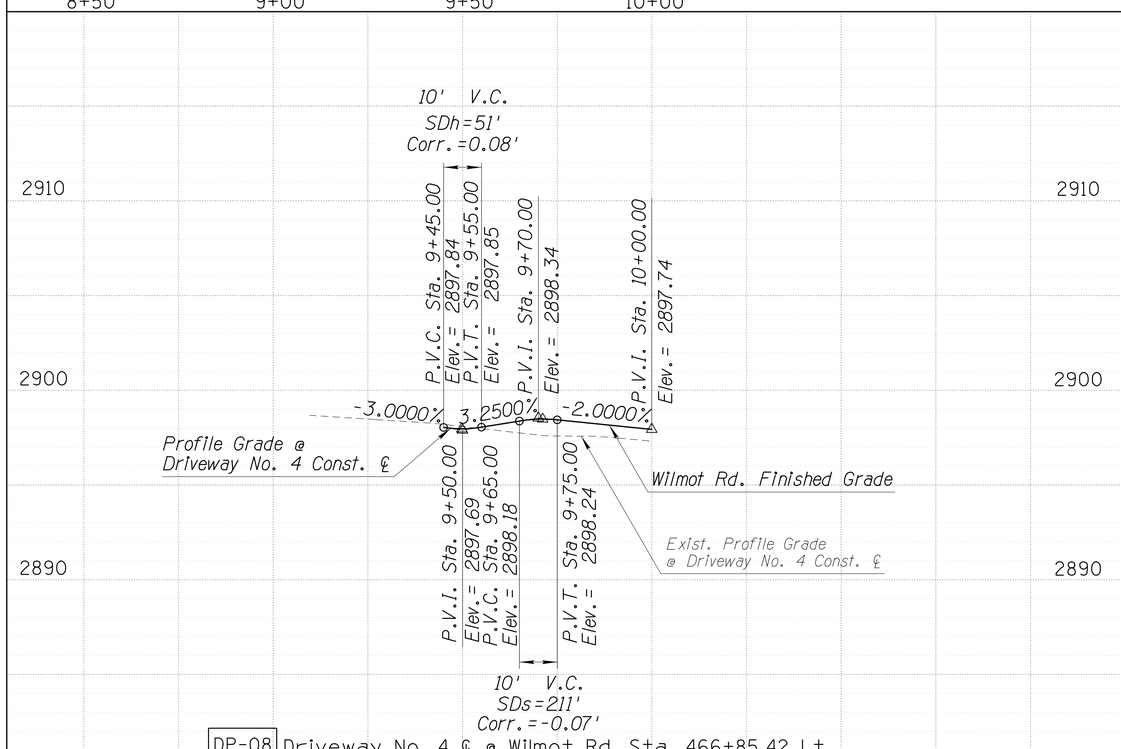
DATE: 4/18/2016

TIME: 12:48:15 PM

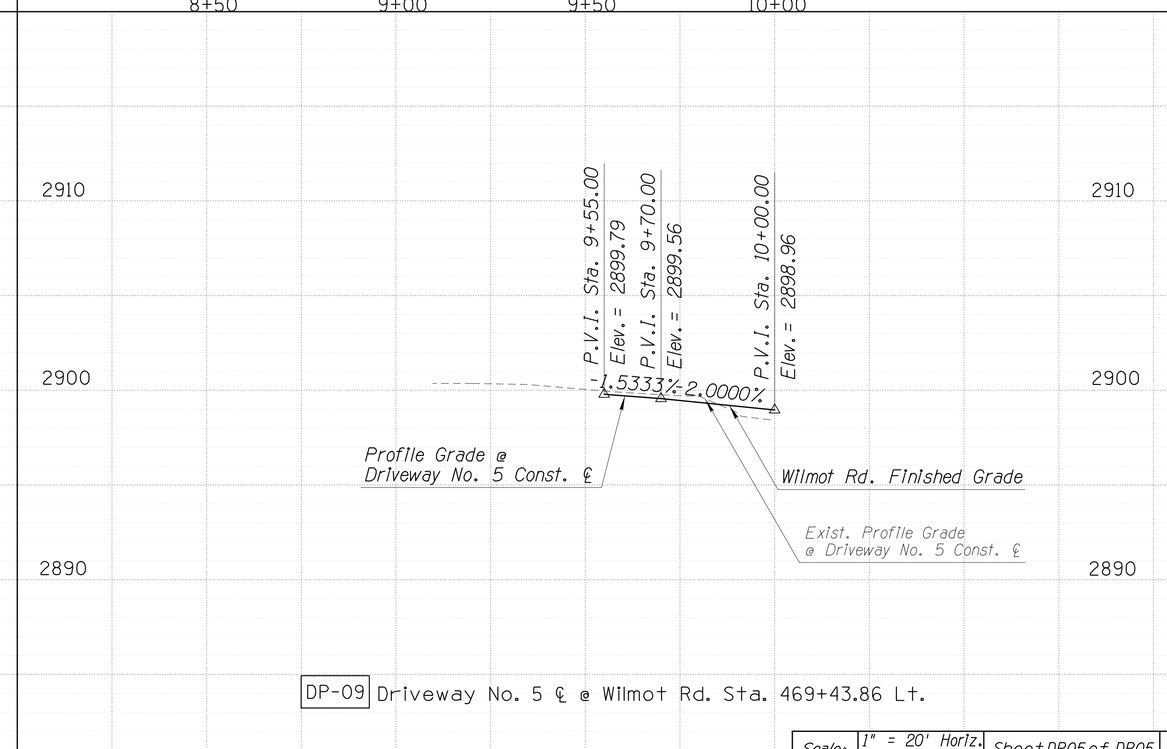
KershnerM







DP-08 Driveway No. 4 ℄ @ Wilmot Rd. Sta. 466+85.42 Lt.



DP-09 Driveway No. 5 ℄ @ Wilmot Rd. Sta. 469+43.86 Lt.

Priscilla S. Cornelio, P.E., Director

Designed	MPK	04/16
Drawn	MPK	04/16
Checked	CJR	04/16
Proj. Engr.	MPK	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil) CERTIFICATE NO. 40990 MATTHEW P. KERSHNER DATE SIGNED 4/18/16 EXPIRES 6-30-16

AECOM
www.aecom.com

TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD, STE 400
Tucson, Arizona 85705
T 520.887.1800 F 520.887.8438

Call at least two full working days before you begin excavation. Arizona Blue Stake, Inc. Dial 8-1-1 or 1-800-STAKE-IT (782-5348) for Arizona Blue Stake Inc. Contact Info: 1-800-STAKE-IT (782-5348)

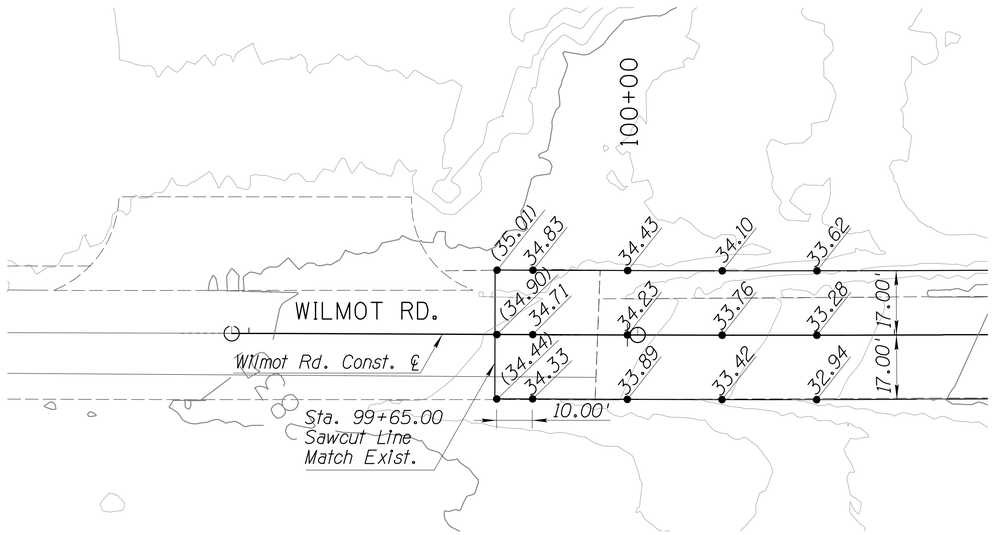
Pima County Department of Transportation

SIDE STREET & DRIVEWAY
PLAN & PROFILE SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

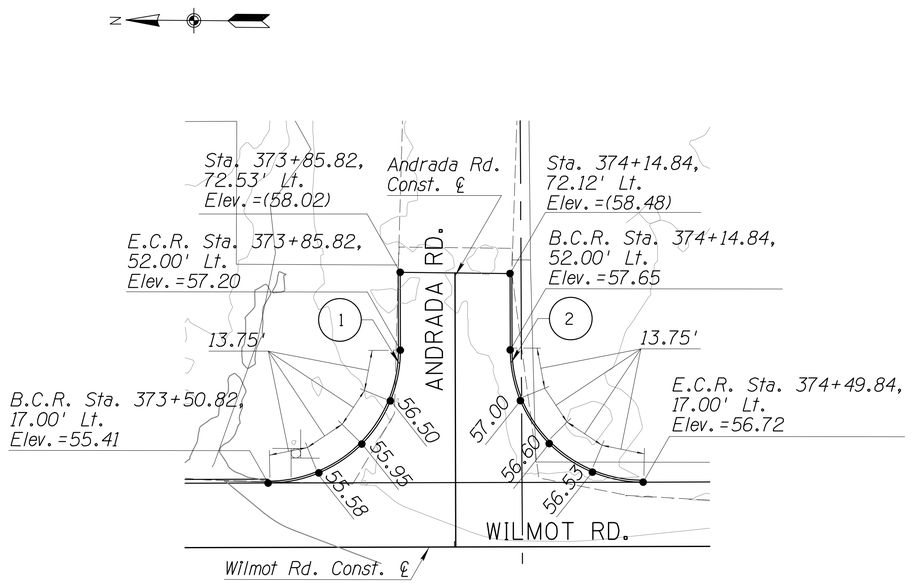
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale: 1" = 20' Horiz. 1" = 4' Vert. | Sheet DP05 of DP05 | Page 63 of 140

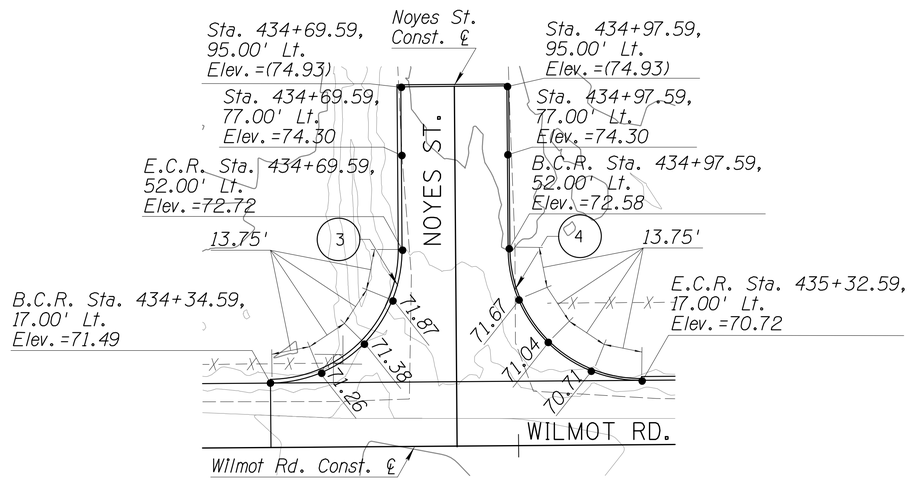
FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNS_t04.dgn DATE: 4/18/2016 TIME: 12:48:35 PM KershnerM



WILMOT RD. STAKING
@ NORTH PROJECT LIMITS



ANDRADA RD. STAKING
WILMOT RD. CONST. ℄ STA. 374+00.32



NOYES ST. STAKING
WILMOT RD. CONST. ℄ STA. 434+83.59

CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	90°00'00"	35.00'	54.98'	35.00'
2	90°00'00"	35.00'	54.98'	35.00'
3	90°00'00"	35.00'	54.98'	35.00'
4	90°00'00"	35.00'	54.98'	35.00'

NOTES:
1. Base Elevation=2800.00.
2. Elevations Denoted in Parentheses Refer to Existing Grade.
3. Elevations Shown are to Finish Grade of Pavement.
4. Refer to Side Street and Driveway Plan & Profile Sheets for Additional Driveway Grading Information.
5. Dimensions Along Header or Ford Wall Returns are Measured at Edge of Pavement.
6. Stations and Offsets are Referenced from Wilmot Rd. Const. ℄ Unless Otherwise Noted.
7. Elevations Located at 25' Intervals Along Wilmot Rd. Const. ℄ Unless Otherwise Noted.
8. See Roadway Plan and Profile Sheets for Additional Information.

20' 0 20' 40'
SCALE: 1" = 20'

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

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 19280 MATTHEW P. KERSHNER DATE SIGNED 6-30-16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

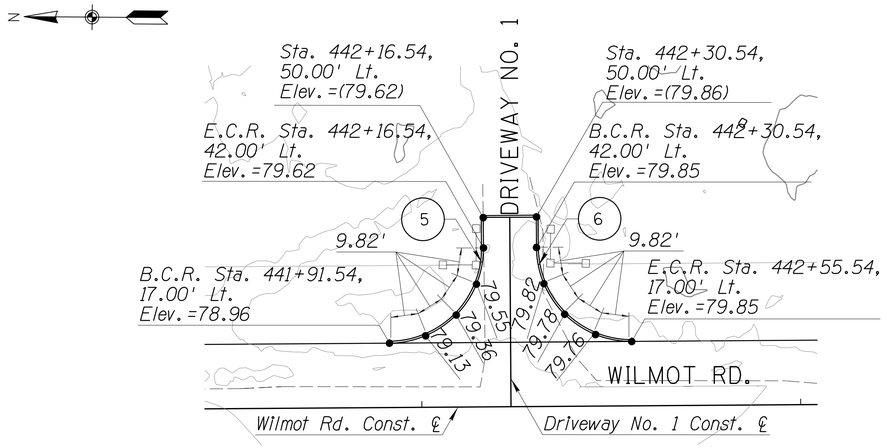
Call at least two full working days before you dig, it's the law! Arizona Blue Stake, Inc. 1-800-STAKE-IT (782-5348) Outside Maricopa County Maricopa County 602-263-1100 Hearing impaired TTY 602-263-1100 Or log on to www.azbluestake.com

GEOMETRIC DATA & STAKING SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

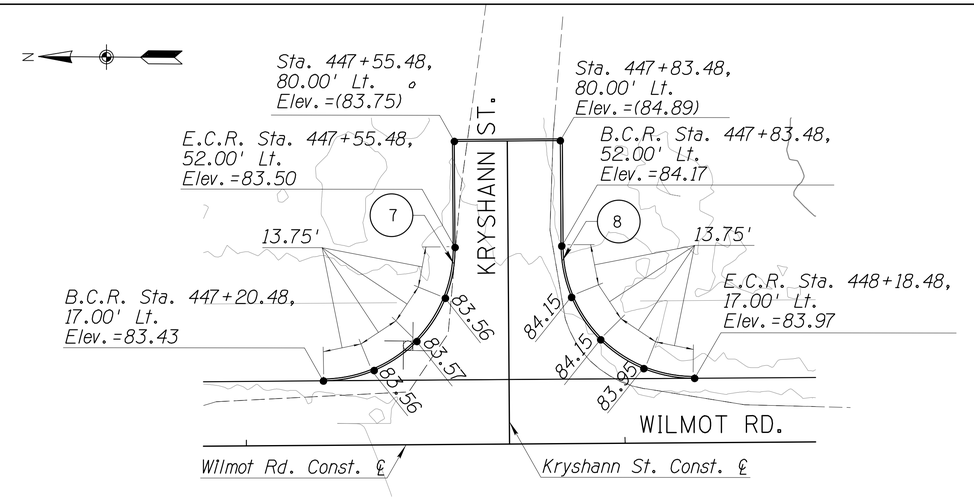
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 20' Horiz.	Sheet ST01 of ST03	Page 64 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSst01.dgn DATE: 4/18/2016 TIME: 12:49:03 PM KershnerM



DRIVEWAY NO. 1 STAKING
WILMOT RD. CONST. ℄ STA. 442+23.54



KRYSHANN ST. STAKING
WILMOT RD. CONST. ℄ STA. 447+69.48

DRIVEWAY NO. 2 STAKING
WILMOT RD. CONST. ℄ STA. 452+81.32

DRIVEWAY NO. 3 STAKING
WILMOT RD. CONST. ℄ STA. 454+41.03

CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
5	90°00'00"	25.00'	39.27'	25.00'
6	90°00'00"	25.00'	39.27'	25.00'
7	90°00'00"	35.00'	54.98'	35.00'
8	90°00'00"	35.00'	54.98'	35.00'
9	90°00'00"	15.00'	23.56'	15.00'
10	38°28'58"	36.00'	24.18'	12.57'
11	90°00'00"	15.00'	23.56'	15.00'
12	38°41'02"	24.00'	16.20'	8.42'
13	94°30'26"	25.00'	41.24'	27.05'
14	89°29'34"	25.00'	37.30'	23.11'

NOTES:

1. Base Elevation=2800.00 Unless Otherwise Noted.
2. Elevations Denoted In Parentheses Refer to Existing Grade.
3. Elevations Shown are to Finish Grade of Pavement.
4. Refer to SIde Street and Driveway Plan & Profile Sheets for Additional Driveway Grading Information.
5. Dimensions Along Header or Ford Wall Returns are Measured at Edge of Pavement.
6. Stations and Offsets are Referenced from Wilmot Rd. Const. ℄ Unless Otherwise Noted.
7. See Roadway Plan and Profile Sheets for Additional Information.

20' 0 20' 40'
SCALE: 1"=20'

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	MPK	MPK	CJR	MPK

REGISTERED PROFESSIONAL ENGINEER (CIVIL) 91781 MATTHEW PAUL KERSHNER DATE SIGNED 6/30/16 EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA Inc.
333 E. WETMORE RD. STE 400
Tucson, Arizona 85705
T 520.887.7600 F 520.887.8438
www.aecom.com

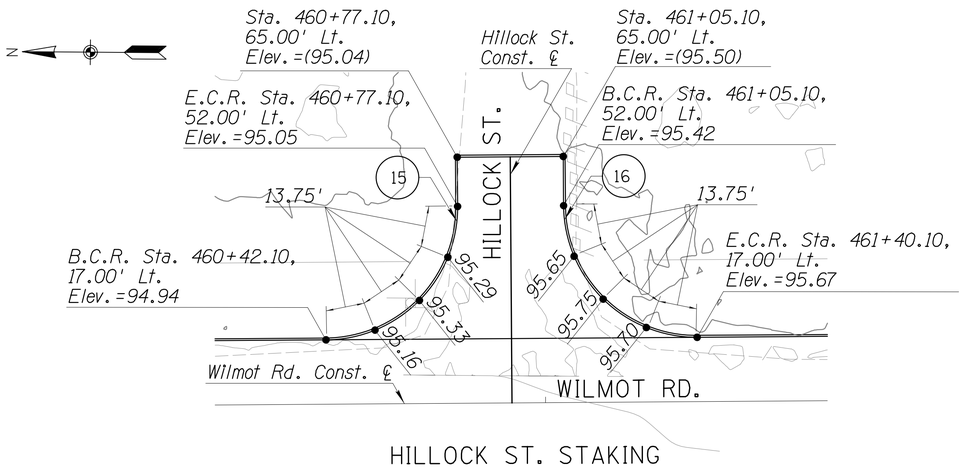
Call at least two full working days before you dig, it's the law! (602) 263-1100 ARIZONA811 Arizona Blue Stake, Inc. Stop before you dig, it's the law! (Arizona Revised Statutes 40-360.21 et seq.)

GEOMETRIC DATA & STAKING SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

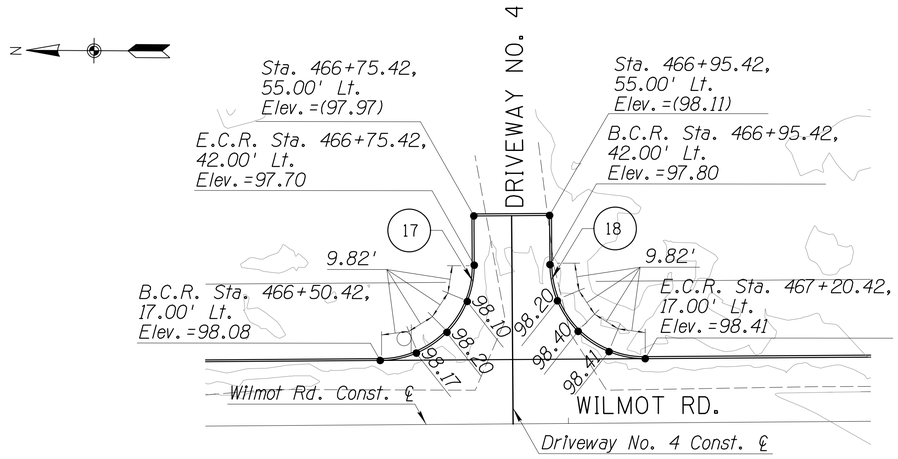
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 20' Horiz.	Sheet ST02 of ST03	Page 65 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSst02.dgn DATE: 4/18/2016 TIME: 12:49:27 PM KershnerM



HILLOCK ST. STAKING
WILMOT RD. CONST. ℄ STA. 460+91.10



DRIVEWAY NO. 4 STAKING
WILMOT RD. CONST. ℄ STA. 466+85.42

DRIVEWAY NO. 5 STAKING
WILMOT RD. CONST. ℄ STA. 469+43.86

NOTES:

1. Base Elevation=2800.00 Unless Otherwise Noted.
2. Elevations Denoted In Parentheses Refer to Existing Grade.
3. Elevations Shown are to Finish Grade of Pavement.
4. Dimensions Along Header or Ford Wall Returns are Measured at Edge of Pavement.
5. Stations and Offsets are Referenced from Wilmot Rd. Const. ℄ Unless Otherwise Noted.
6. Elevations Located at 25' Intervals Along Wilmot Rd. Const. ℄ Unless Otherwise Noted.
7. See Roadway Plan and Profile Sheets for Additional Information.
8. Refer to Side Street and Driveway Plan & Profile Sheets for Additional Driveway Grading Information.

CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
15	90°00'00"	35.00'	54.98'	35.00'
16	90°00'00"	35.00'	54.98'	35.00'
17	90°00'00"	25.00'	39.27'	25.00'
18	90°00'00"	25.00'	39.27'	25.00'
19	90°00'00"	25.00'	39.27'	25.00'
20	90°00'00"	25.00'	39.27'	25.00'
21	90°00'00"	35.00'	54.98'	35.00'
22	90°14'59"	35.00'	55.13'	35.15'

WILMOT RD. STAKING
@ SAHUARITA RD.

20' 0 20' 40'
SCALE: 1"=20'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

			Date
Designed	MPK		04/16
Drawn	MPK		04/16
Checked	CJR		04/16
Proj. Engr.	MPK		04/16

Professional Engineer (Civil) CERTIFICATE NO. 40090 MATTHEW P. KERSHNER DATE SIGNED 6/30/16 Registered Professional Engineer EXPIRES 6-30-16

AECOM
TRANSPORTATION
AECOM USA, Inc.
3311 W. RETHORE RD, STE 400
Tucson, Arizona 85705
T 520.887.7800 F 520.887.8438
www.aecom.com

Pima County Department of Transportation

GEOMETRIC DATA & STAKING SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD – PROJECT NO. 4RTWNS

Scale:	1" = 20' Horiz.	Sheet ST03 of ST03	Page 66 of 140

FILE NAME: P:\60307990 SCE-Wilmot Road\900-Work\910-CAD\20-SHEETS\4RTWNSst03.dgn DATE: 4/18/2016 TIME: 12:49:52 PM KershnerM

THIS PAGE INTENTIONALLY LEFT BLANK

No.	Revision Description	Engineer	Date

Priscilla S. Cornello, P.E., Director

Designed	Date
Drawn	
Checked	
Proj. Engr.	

Pima County Department of Transportation

CROSS DRAINAGE PROFILE
WILMOT ROAD
NORTH OF SAHUARITA ROAD

PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	Horiz: 1"=20' / Vert: 1"=2'	Sheet D01 of D01	Page 67 of 140

FILE NAME: ...\03 Sheets\4RTWNSd01_v1.dgn

DATE: 4/18/2016 TIME: 4:06:05 PM K. Watts

PAVEMENT MARKING GENERAL NOTES

1. All equipment/materials and construction shall meet or exceed the requirements contained in the current Pima Association of Governments (PAG) Standard Specifications and Standard Details, the Special Provisions and the approved plans. All pavement markings shall be installed in accordance with the PC/COT Pavement Marking Design Manual and applicable amendments.

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 during normal business hours Monday thru Friday, State Holidays excluded.

3. Upon approval 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 markers.

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

5. The design speed for Wilmot Road is 55 miles per hour (mph) between the beginning of the project at Sta 99+65 and Andrada Road, and 45 mph between Andrada Road and Sahuarita Road. The posted speed limits are 50 mph and 40 mph, respectively.

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

7. The pavement marking drawings 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 with 8 pounds per gallon of AASHTO M 247-13 Type I glass beads with adhesion/moisture proof coating. Painted layout striping shall be installed within five working days of the final pavement surface being completed.

9. The final longitudinal striping shall be 90 mil (0.090") ribbon extruded thermoplastic reflectorized striping placed over the painted layout striping with a single drop of 10 pounds per 100 square foot of AASHTO M 247-13 Type I glass beads. The final longitudinal striping shall be placed 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.

PAVEMENT MARKING GENERAL NOTES CONT.

10. All final transverse striping, including symbols and legends, shall be 90 mil (0.090") alkyd hand cart extruded thermoplastic with 10 pounds per 100 square foot of AASHTO M 247-13 Type I glass beads.

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

12. 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.

13. All retroreflective raised pavement markers (RRPMs or RPMs) 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.

14. All RRPMs or RPMs shall be installed per the current edition of the PC/COT Pavement Marking Manual and applicable amendments.

15. Unless otherwise noted, all pavement markings shall be installed by the contractor.

16. Upon final inspection, a written acceptance or itemized punch list of missing or unacceptable pavement markings shall be submitted to the contractor and Pima County by the Traffic Engineer or designated representative.

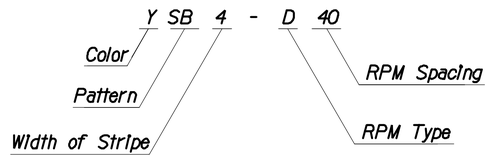
17. The contractor shall be responsible for maintaining all striping until project is approved for "construction acceptance" by Pima County (fully open to traffic, all punch list items are completed, and the one-year minimum warranty begin). If the pavement marking material manufacturer offers a longer warranty the contractor shall transfer that warranty to Pima County.

18. The PC/COT Pavement Marking Manual is available online.

APPROXIMATE PAVEMENT MARKING QUANTITIES

ITEM	ITEM NO.	UNIT	QUANTITIES
Pavement Marking (White Extruded Thermoplastic) (0.090")	7040005	L.F.	111,370
Pavement Marking (Yellow Extruded Thermoplastic) (0.090")	7040006	L.F.	38,280
Pavement Marking (White Extruded Thermoplastic) (Transverse) (0.090")	7040130	L.F.	81
Pavement Marker, Reflective, (Type D, Yellow, Two-Way)	7060025	EACH	935
Painted Pavement Marking	7080010	L.F.	149,731

The quantities for all pavement markings lengths are 4" equivalent.



LINE STYLE DESIGNATION

See 2008 Pima County and City of Tucson Pavement Marking Design Manual for Further Descriptions.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353
SCE ENGINEERING

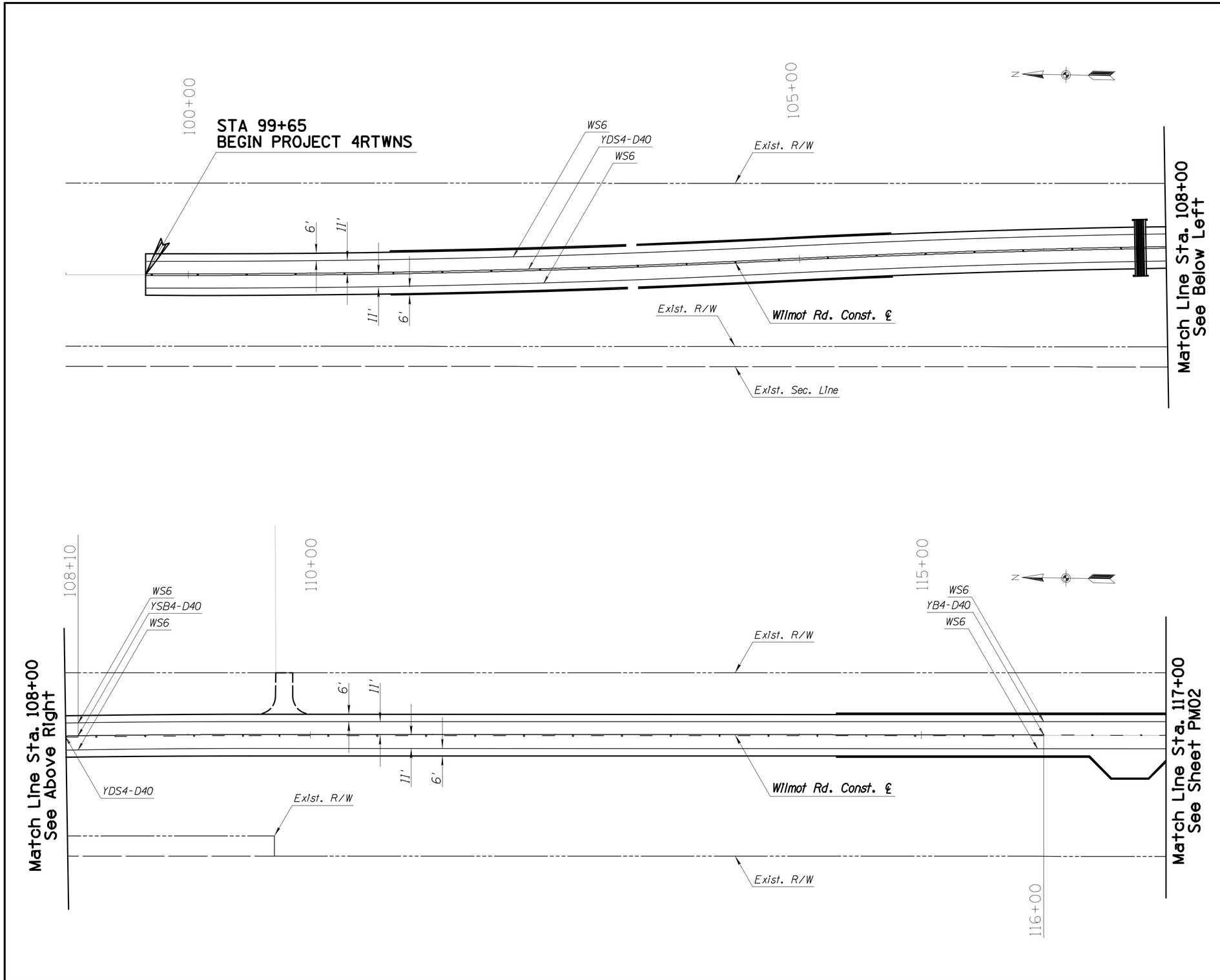
Pima County Department of Transportation

PAVEMENT MARKING GENERAL NOTES
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet PM01 of PM22	Page 68 of 140

FILE NAME: ...\PM Sheets\4RTWNSpmgn01.dgn DATE: 4/16/2016 TIME: 10:23:25 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

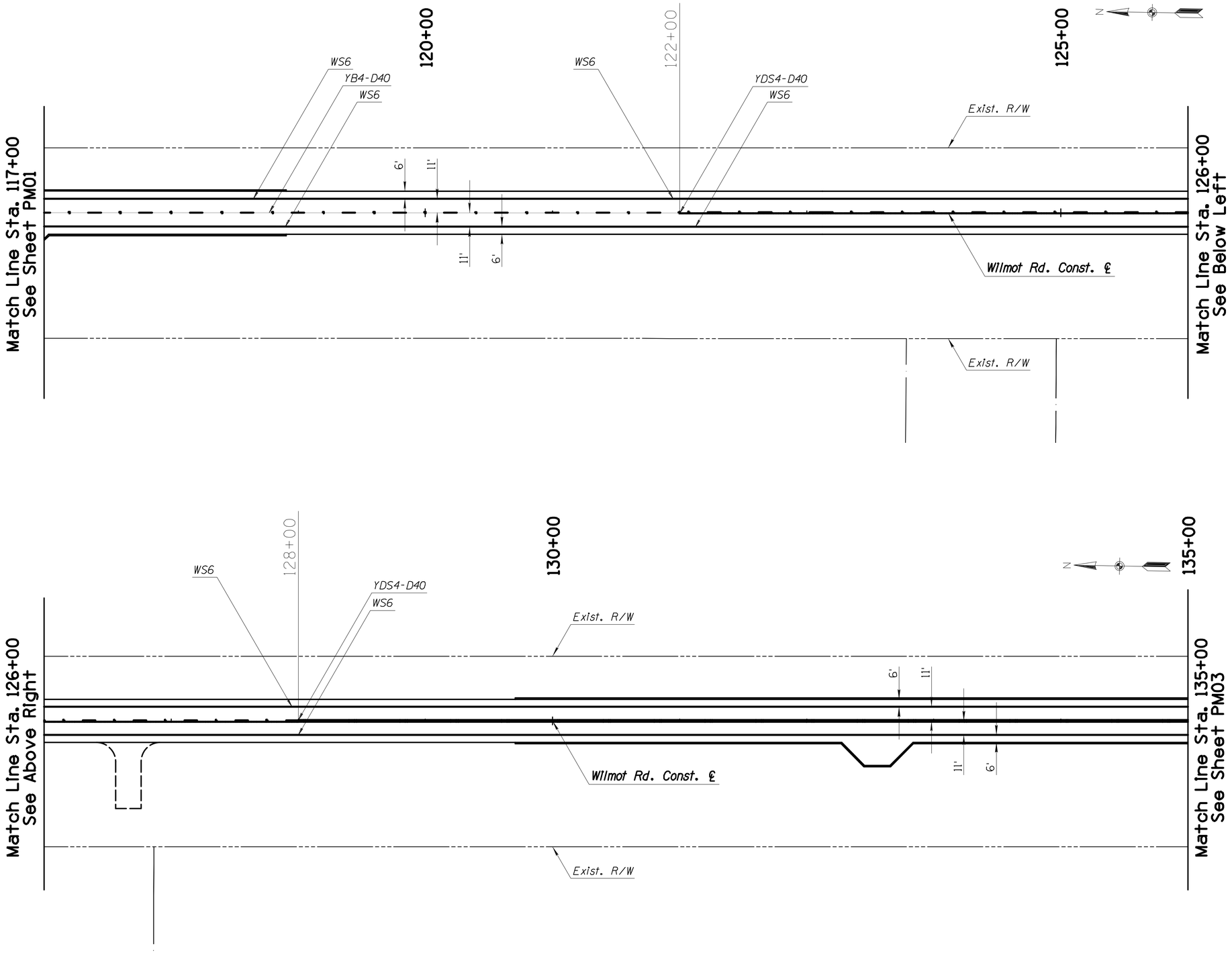
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 99+65 TO STA. 117+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM02 of PM22	Page 69 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm01.dgn DATE: 4/16/2016 TIME: 10:31:00 AM K. Watts



Priscilla S. Cornello, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

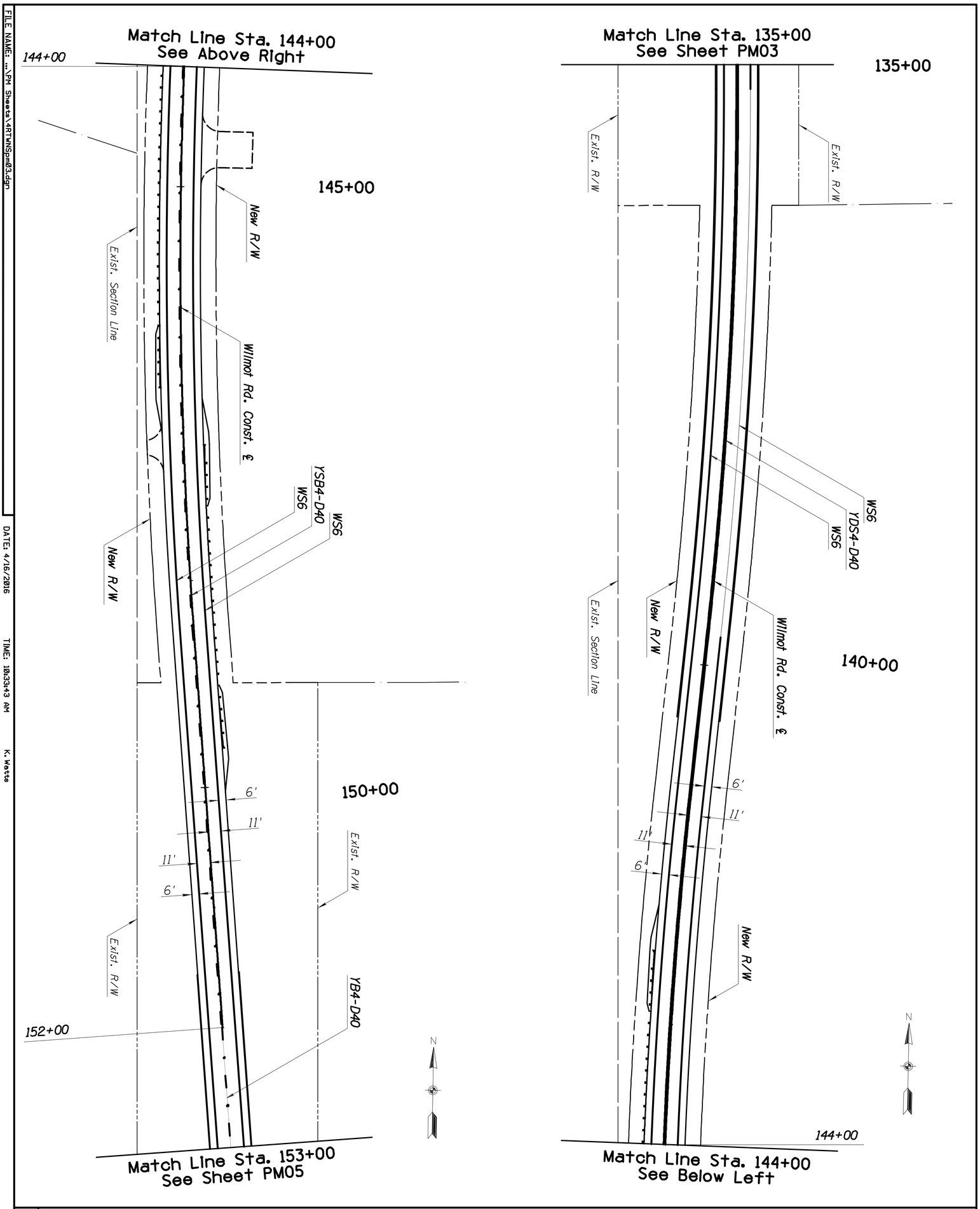
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 117+00 TO STA. 135+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM03 of PM22	Page 70 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm02.dgn DATE: 4/16/2016 TIME: 10:31:28 AM K. Watts



FILE NAME: ...\PM Sheets\4RTWNSpm03.dgn

DATE: 4/16/2016 TIME: 10:33:43 AM K. Watts

Scale: 1"= 40' Horiz

Sheet PM04 of PM22

Page 71 of 140

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

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 135+00 TO STA. 153+00
PROJECT NO. 4RTWNS

Call at least two full working days before you begin excavation. ARIZONA 811 Blue Stake, Inc. (Red) 1-1-8 or 1-800-STAKE-IT (Tel) 1-800-782-5348 In Maricopa County (602) 263-1100

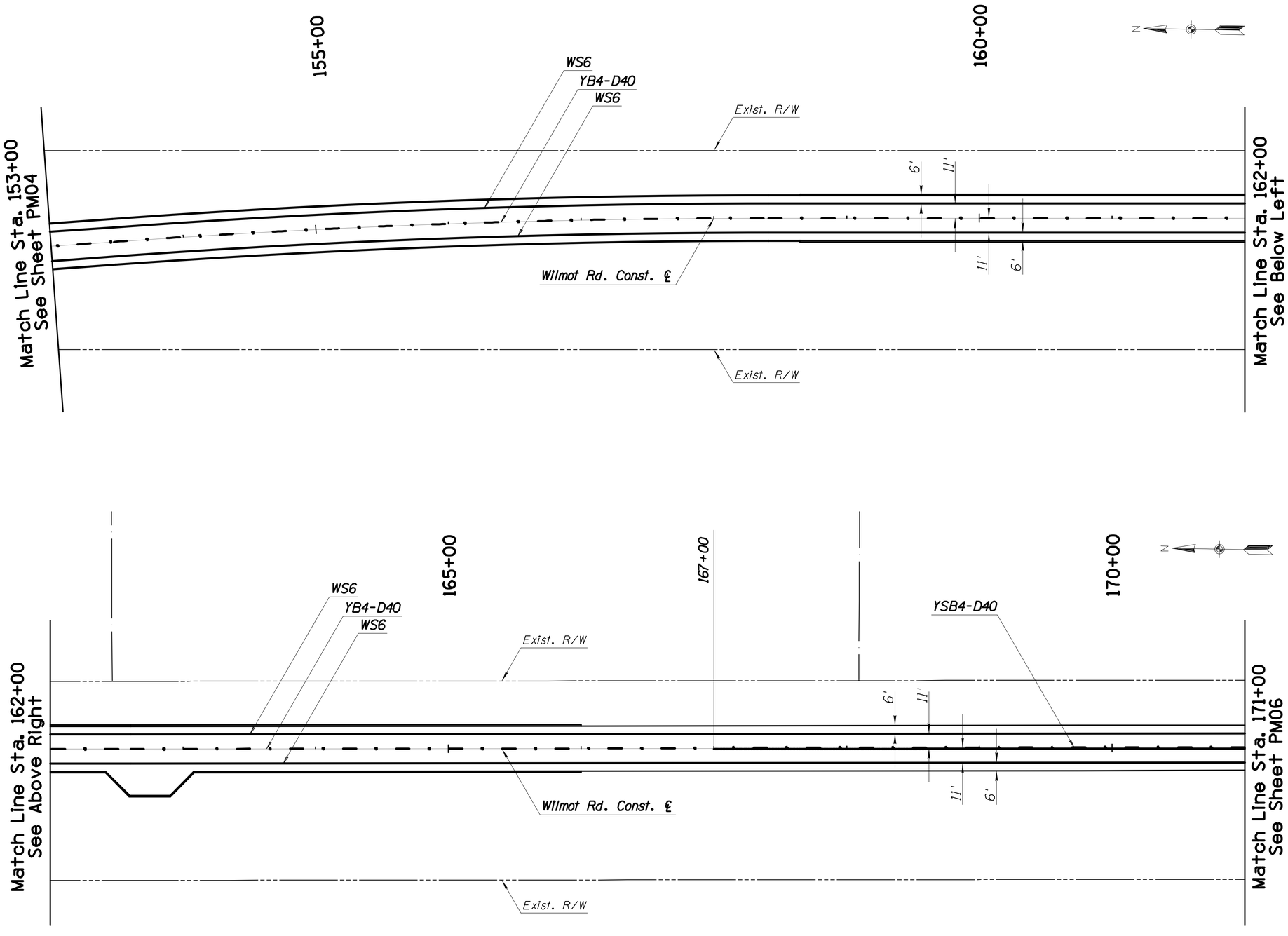
SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

Registered Professional Engineer (Civil) CERTIFICATE NO. 18164 WILLIAM D. SCHLESINGER Date Signed 06/18/08 ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS



Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

Call at least two full working days before you dig, it is the Arizona Blue Stake, Inc. Law. Phone: 1-800-782-5348 (Arizona Blue Stake, Inc.)

Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 153+00 TO STA. 171+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM05 of PM22	Page 72 of 140

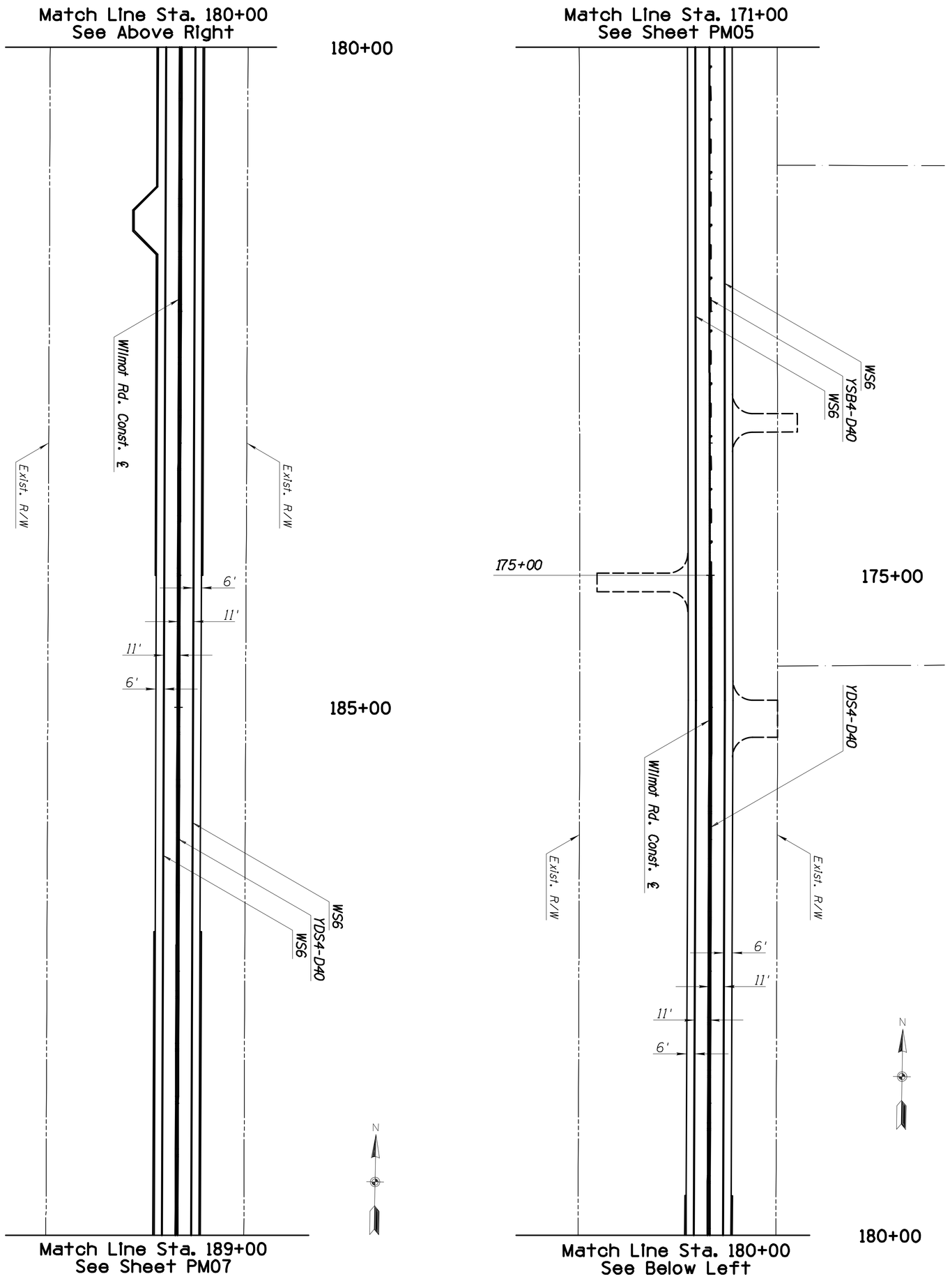
FILE NAME: ...\PM Sheets\4RTWNSpm04.dgn DATE: 4/16/2016 TIME: 10:34:40 AM K. Watts

FILE NAME: ...\PM Sheets\4RTWNSpm05.dgn

DATE: 4/16/2016

TIME: 10:35:11 AM

K. Watts



Scale: 1"= 40' Horiz

Sheet PM06 of PM22

Page 73 of 140

SCALE: 1"=40'

40' 0 40' 80'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 171+00 TO STA. 189+00
PROJECT NO. 4RTWNS

ARIZONA811

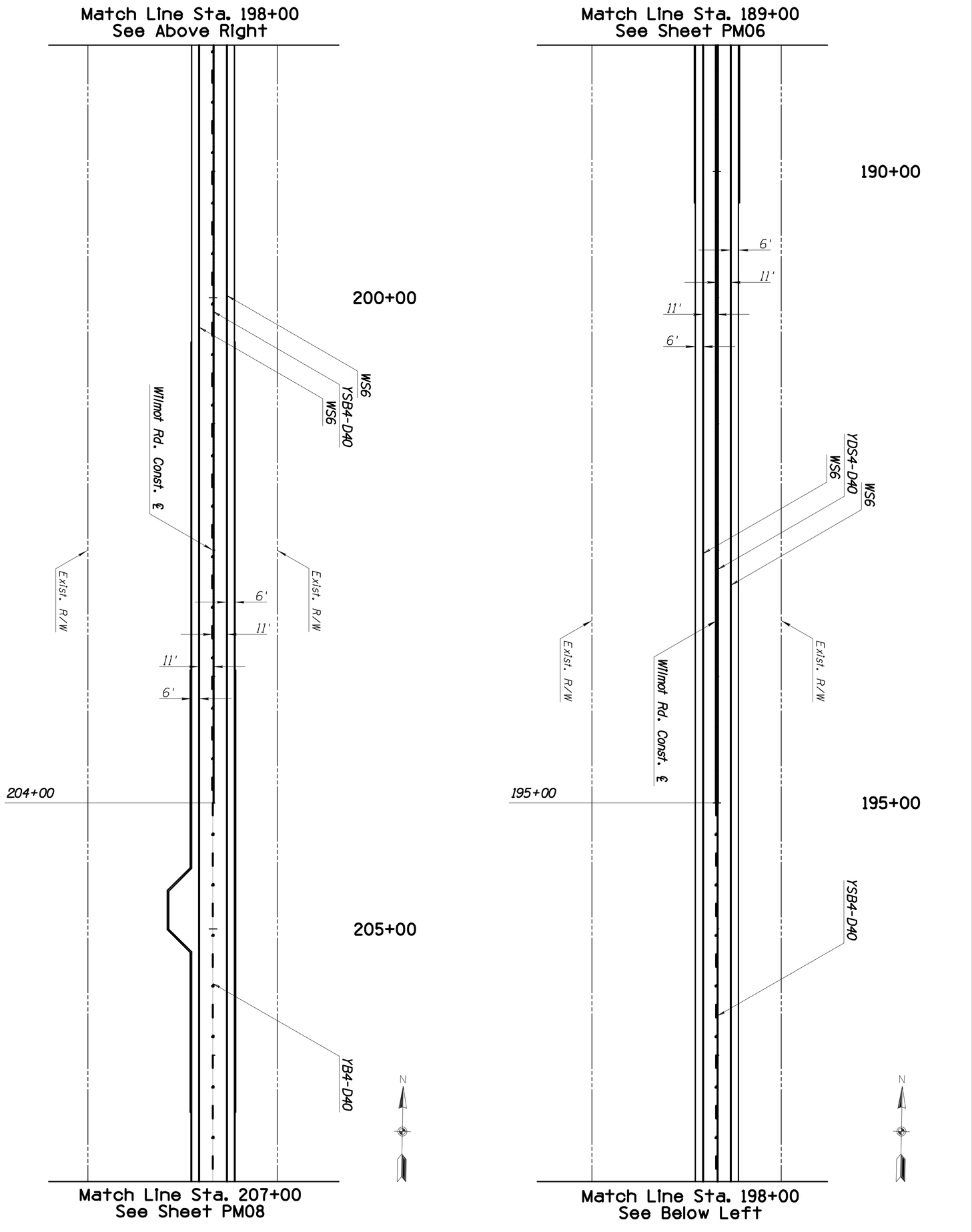
SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
Registered Professional Engineer
Signed Number
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\PM Sheets\4RTWNSpm06.dgn
DATE: 4/16/2016
TIME: 10:35:36 AM
K. Watts



Scale: 1"= 40' Horiz

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

Sheet PM07 of PM22

Page 74 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 189+00 TO STA. 207+00
PROJECT NO. 4RTWNS

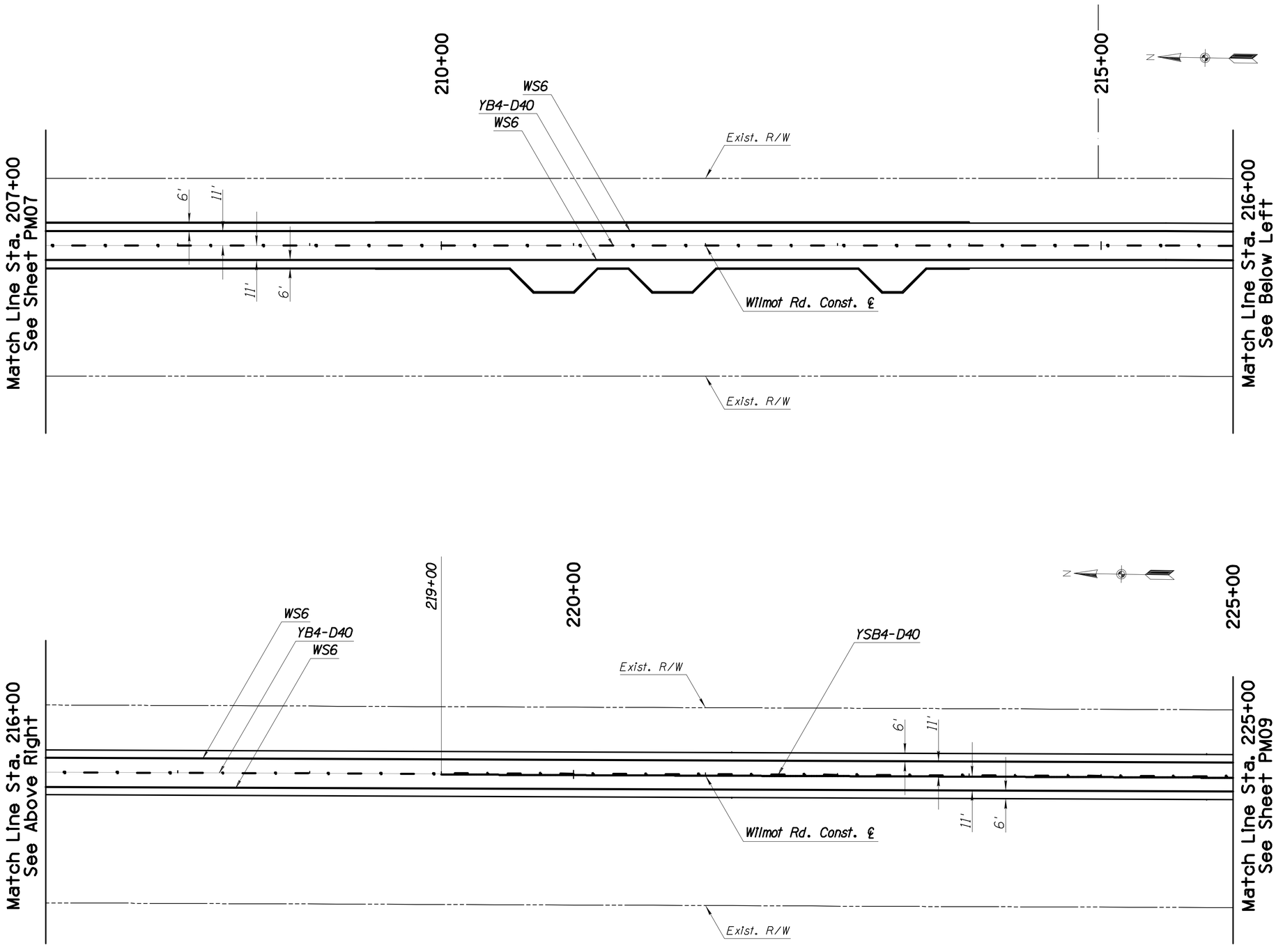
ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D.
SCHLESINGER
REGISTERED PROFESSIONAL ENGINEER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16



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

Scale:	1"= 40' Horiz	Sheet PM08 of PM22	Page 75 of 140

Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 207+00 TO STA. 225+00
PROJECT NO. 4RTWNS

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

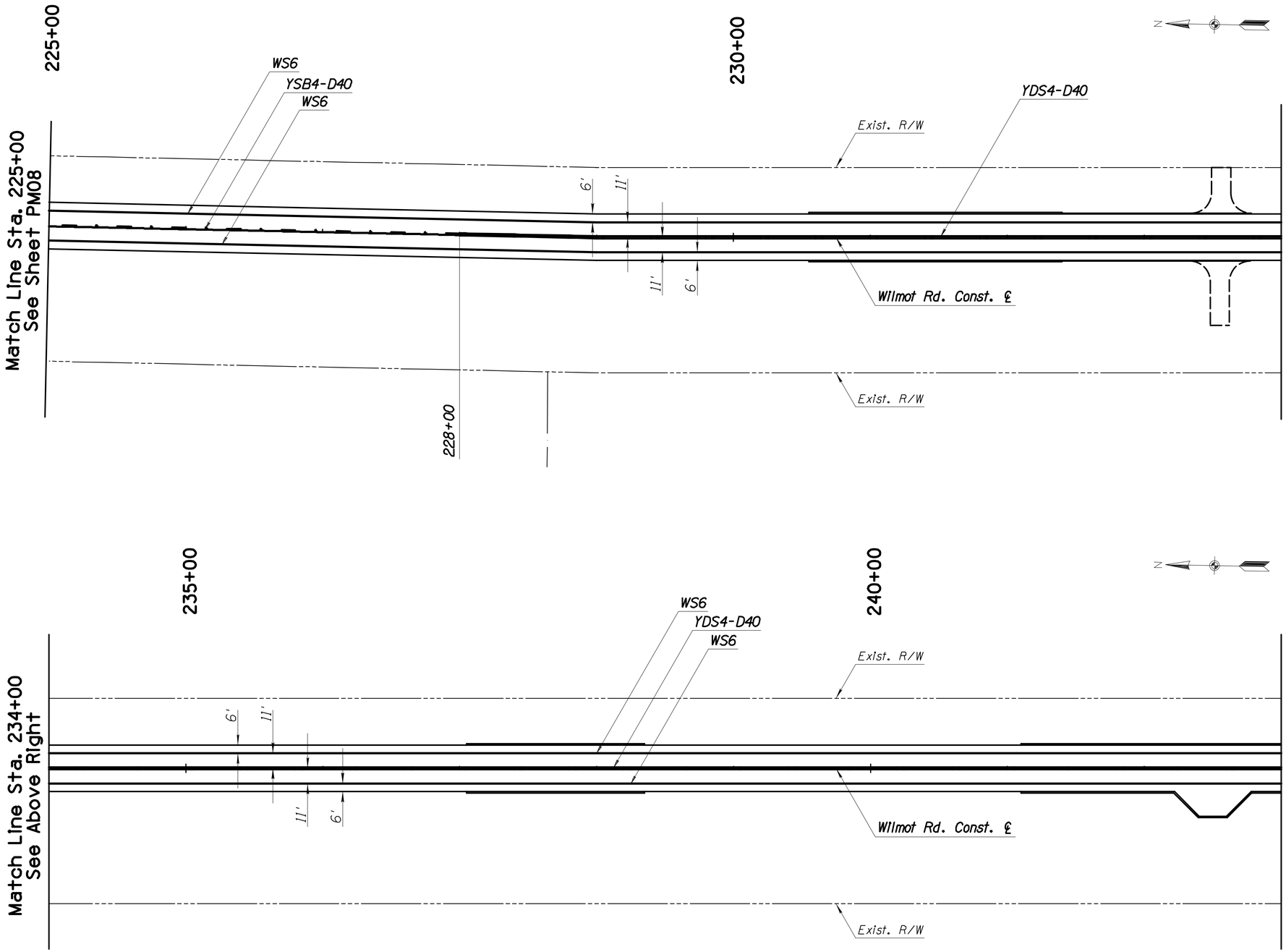
No.	Revision Description	Engineer	Date

Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\PM Sheets\4RTWNSpm07.dgn DATE: 4/16/2016 TIME: 10:36:15 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) WILLIAM D. SCHLESINGER Date Signed NATIONAL EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 225+00 TO STA. 243+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM09 of PM22	Page 76 of 140

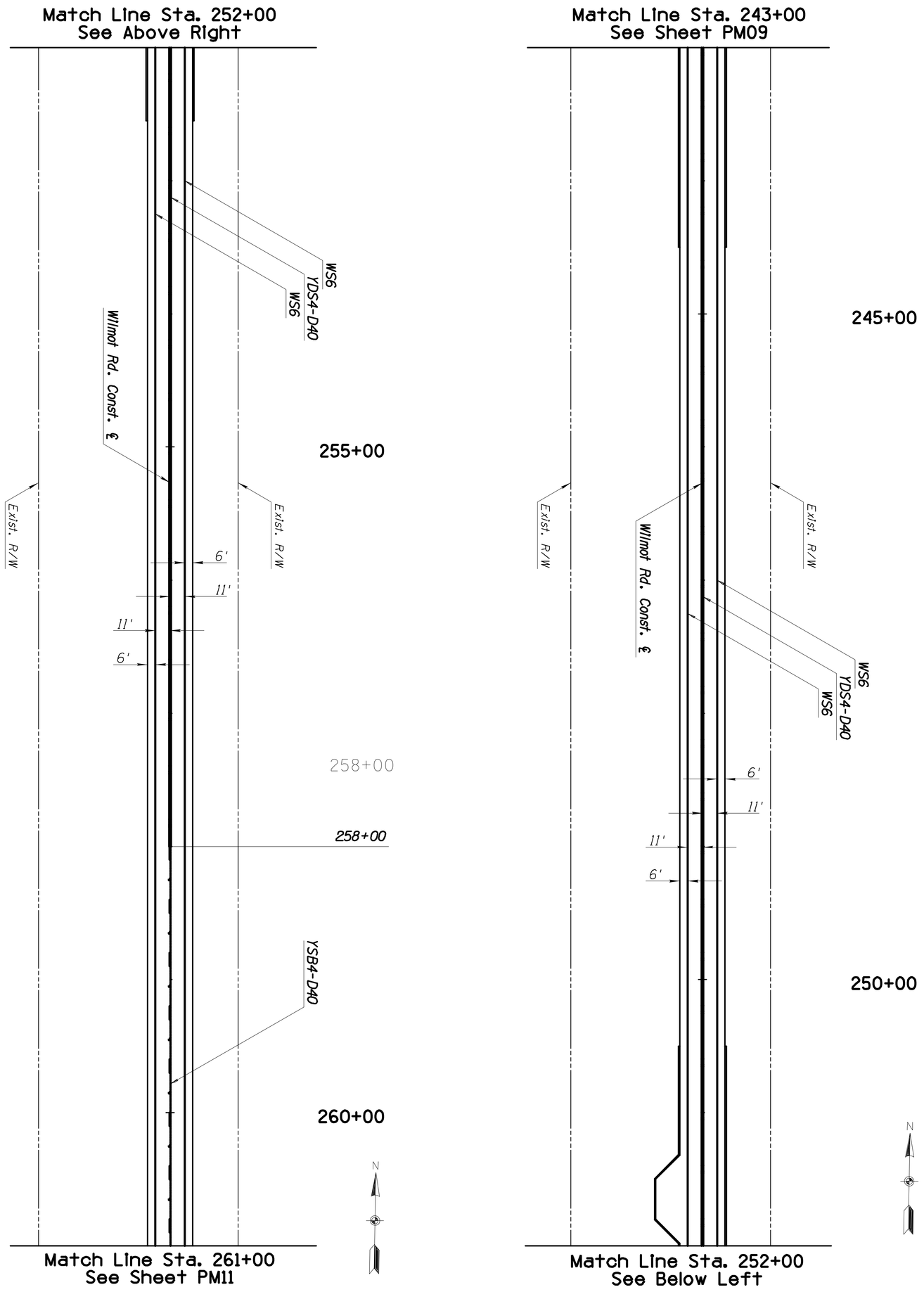
FILE NAME: ...\PM Sheets\4RTWNSpm08.dgn DATE: 4/16/2016 TIME: 10:36:49 AM K. Watts

FILE NAME: ...\PM Sheets\4RTWNSpm09.dgn

DATE: 4/16/2016

TIME: 10:37:21 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet PM10 of PM22

Page 77 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 243+00 TO STA. 261+00
PROJECT NO. 4RTWNS

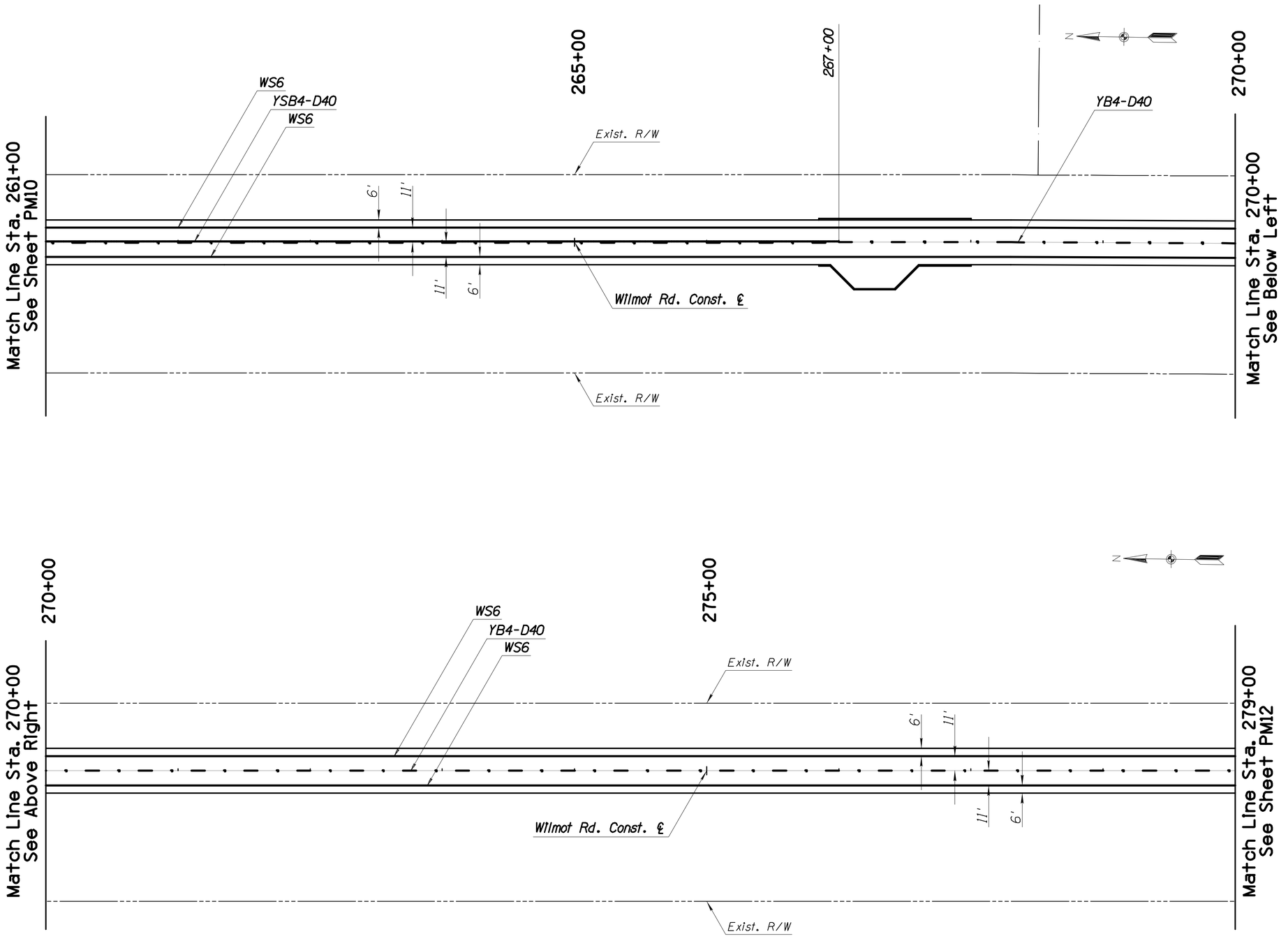
ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
Registered Professional Engineer
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) Certificate No. 18164 WILLIAM D. SCHLESINGER Date Signed NATIONAL EXPIRES 6-30-2016

Pima County Department of Transportation

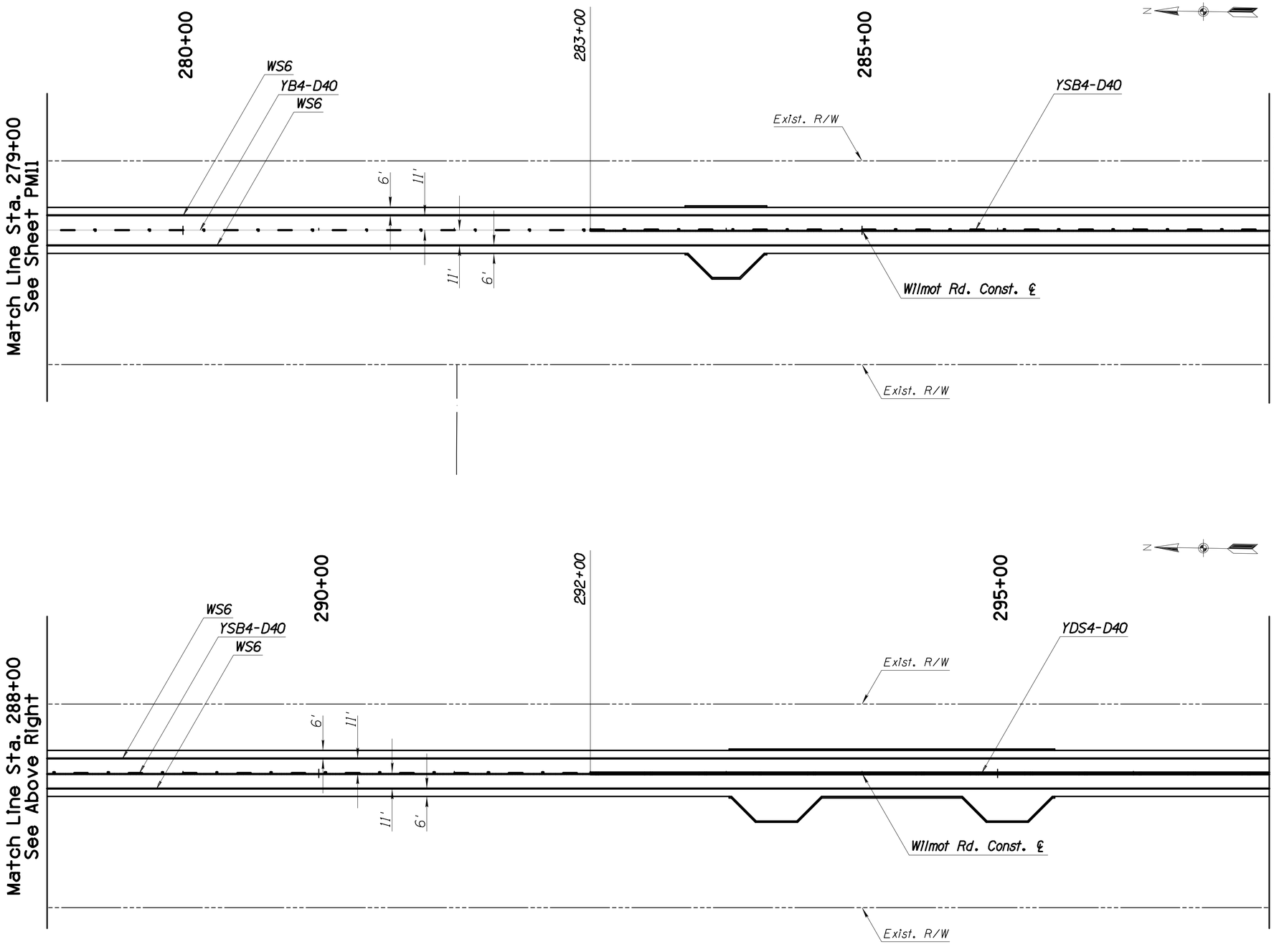
SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 261+00 TO STA. 279+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM11 of PM22	Page 78 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm10.dgn DATE: 4/16/2016 TIME: 10:37:58 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

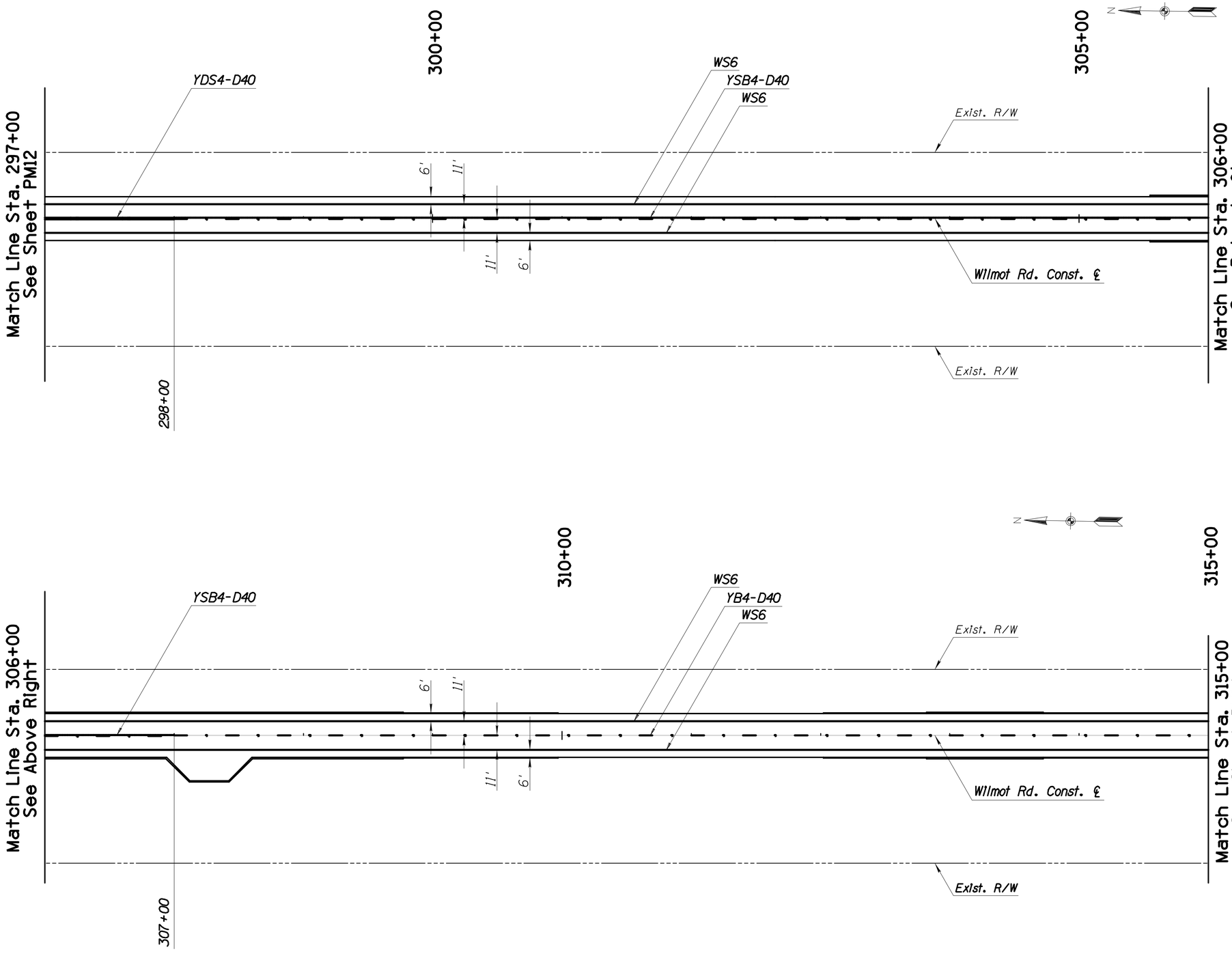
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 279+00 TO STA. 297+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM12 of PM22	Page 79 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm11.dgn DATE: 4/16/2016 TIME: 10:38:30 AM K. Watts



Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

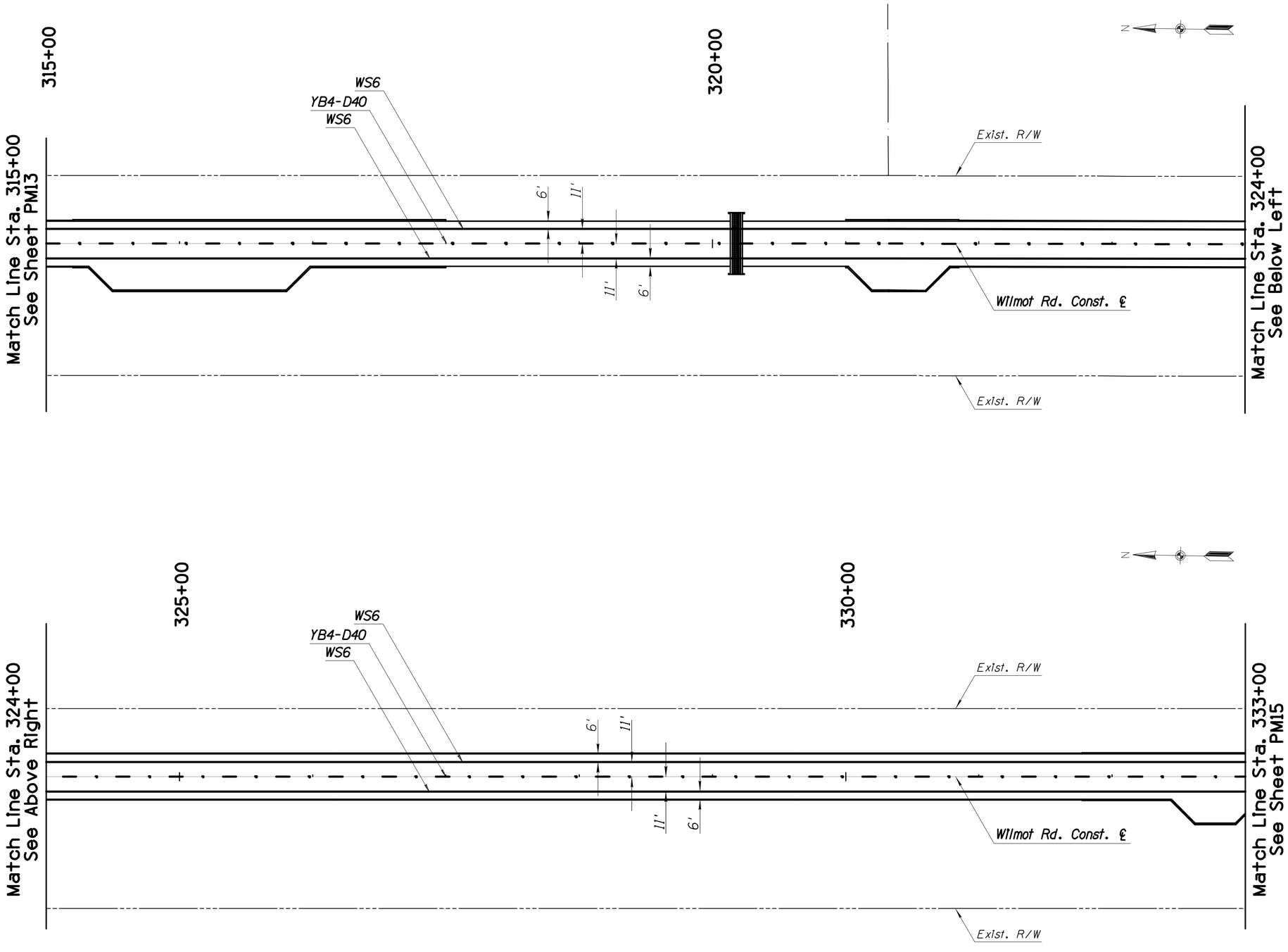
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 297+00 TO STA. 315+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM13 of PM22	Page 80 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm12.dgn DATE: 4/16/2016 TIME: 10:39:07 AM K. Watts



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

Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

No.	Revision Description	Engineer	Date

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

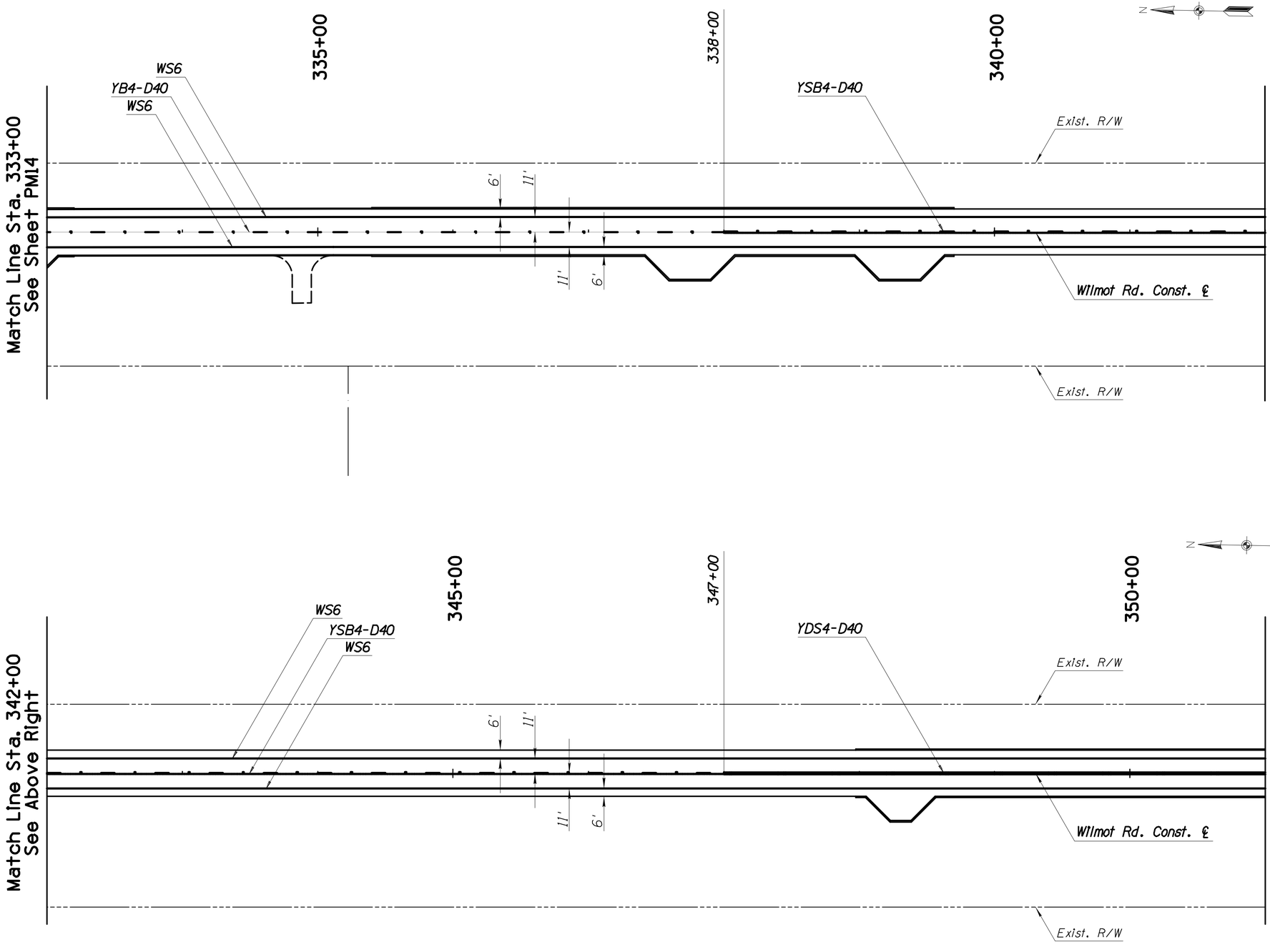
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 315+00 TO STA. 333+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM14 of PM22	Page 81 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm13.dgn DATE: 4/16/2016 TIME: 10:39:43 AM K. Watts



No.	Revision Description	Engineer	Date

Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) 18164 WILLIAM D. SCHLESINGER Date Signed 04/16/16 EXPIRES 6-30-2016

510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353
SCE ENGINEERING

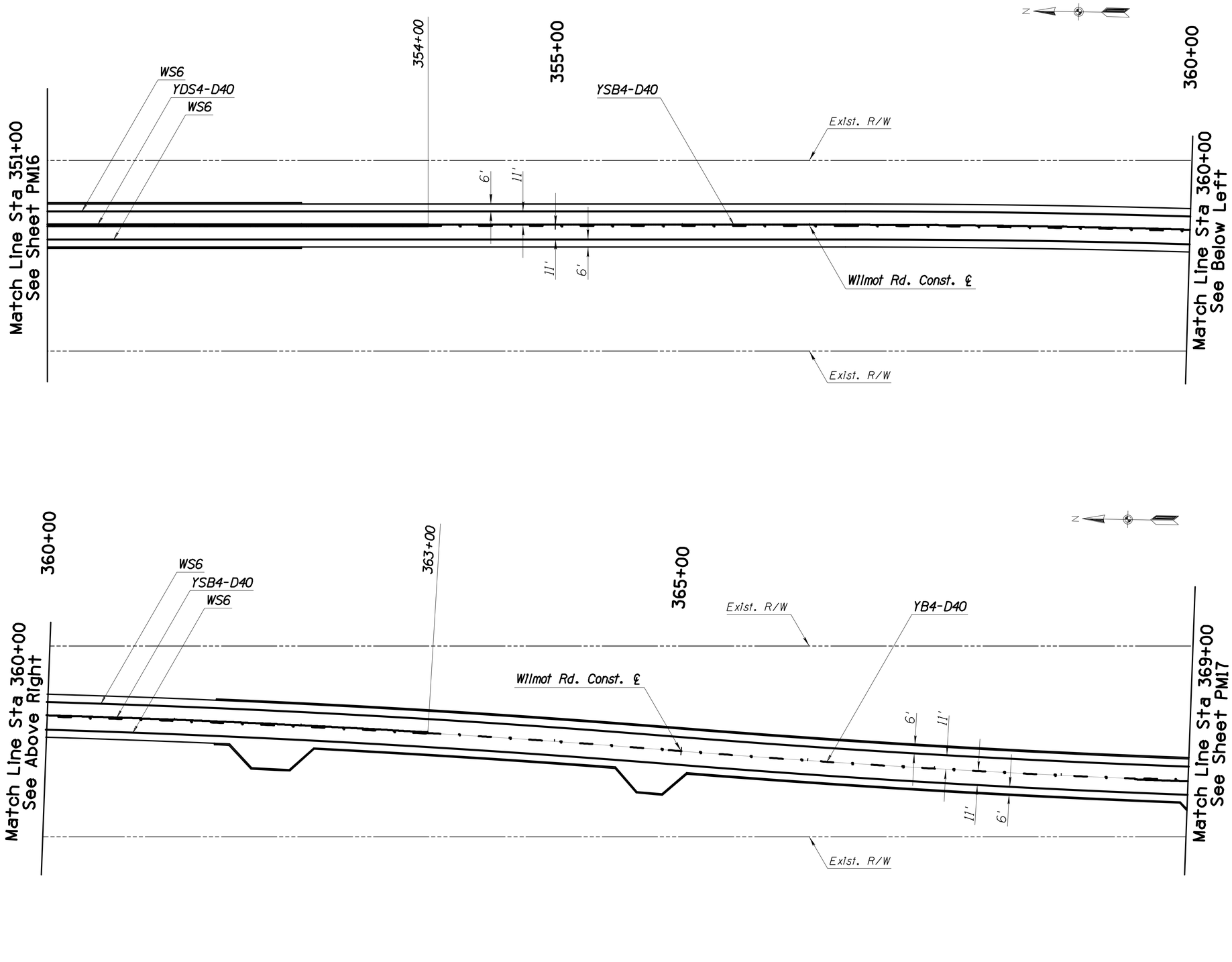
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 333+00 TO STA. 351+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM15 of PM22	Page 82 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm14.dgn DATE: 4/16/2016 TIME: 10:40:15 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/18/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

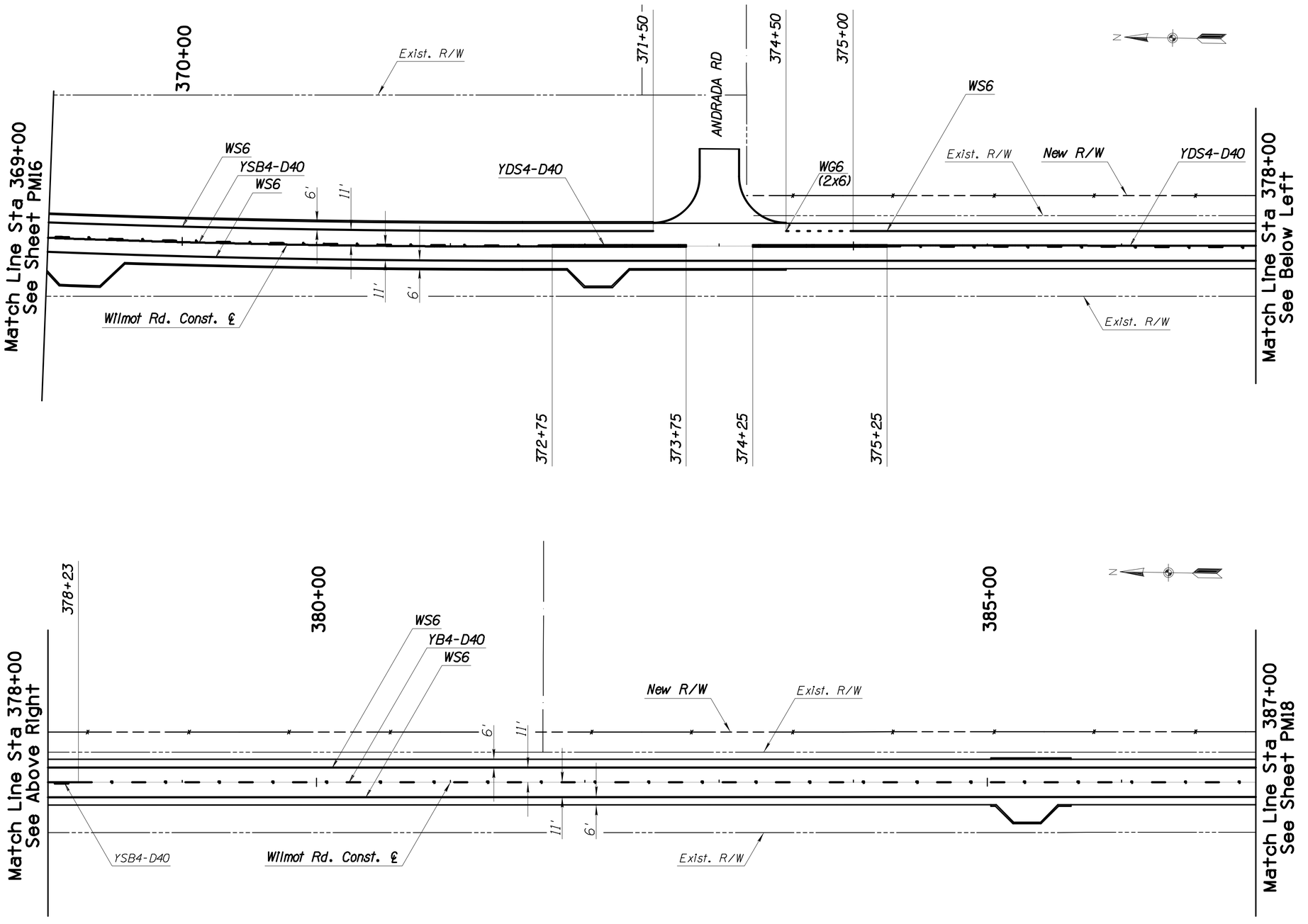
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 351+00 TO STA. 369+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM16 of PM22	Page 83 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm15.dgn DATE: 4/16/2016 TIME: 10:40:53 AM K. Watts



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

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

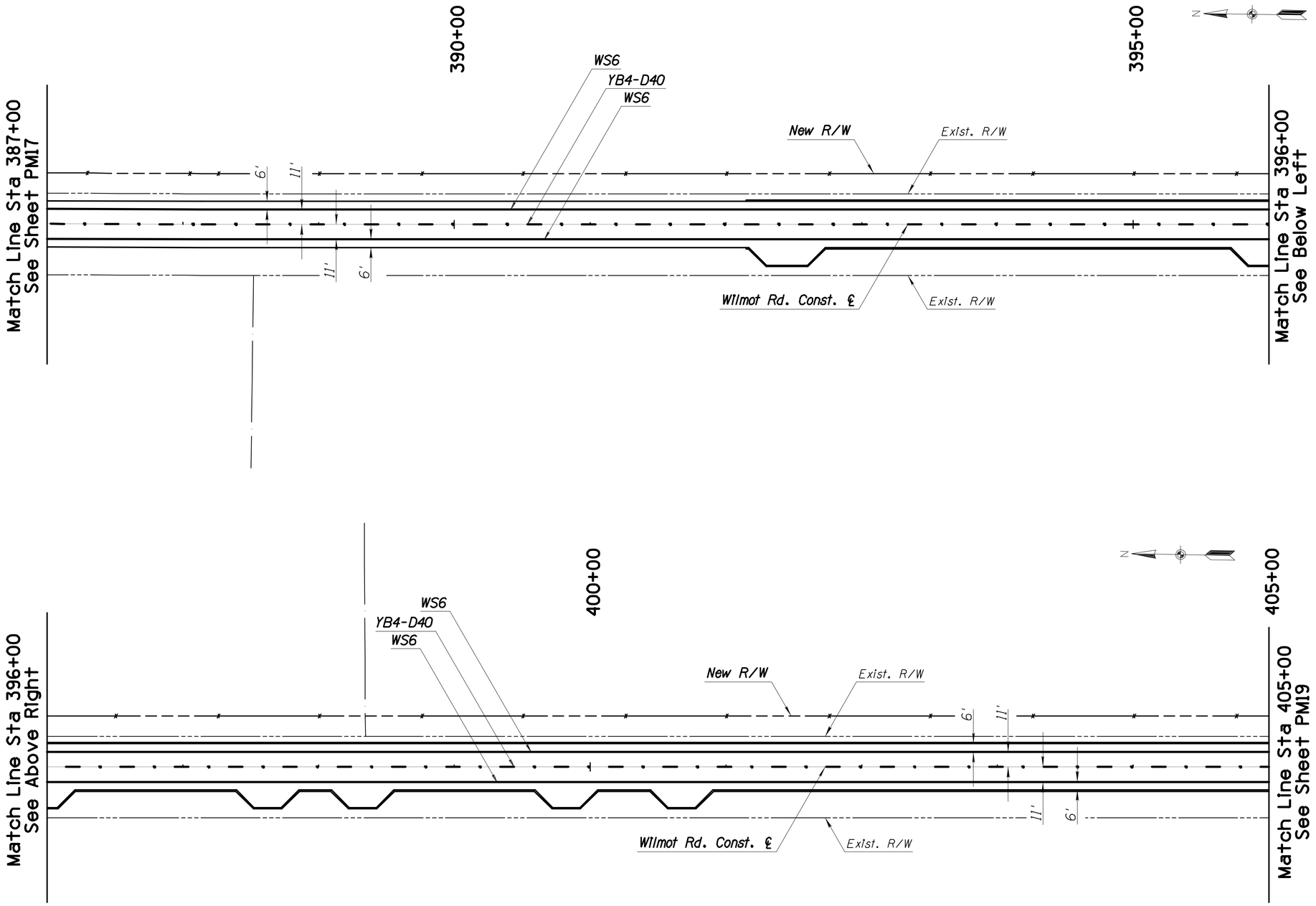
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 369+00 TO STA. 387+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM17 of PM22	Page 84 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm16.dgn DATE: 4/16/2016 TIME: 10:41:29 AM K. Watts



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

Priscilla S. Cornello, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil)
18164
WILLIAM D. SCHLESINGER
Date Signed 04/16/16
ARIZONA, U.S.A.
EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

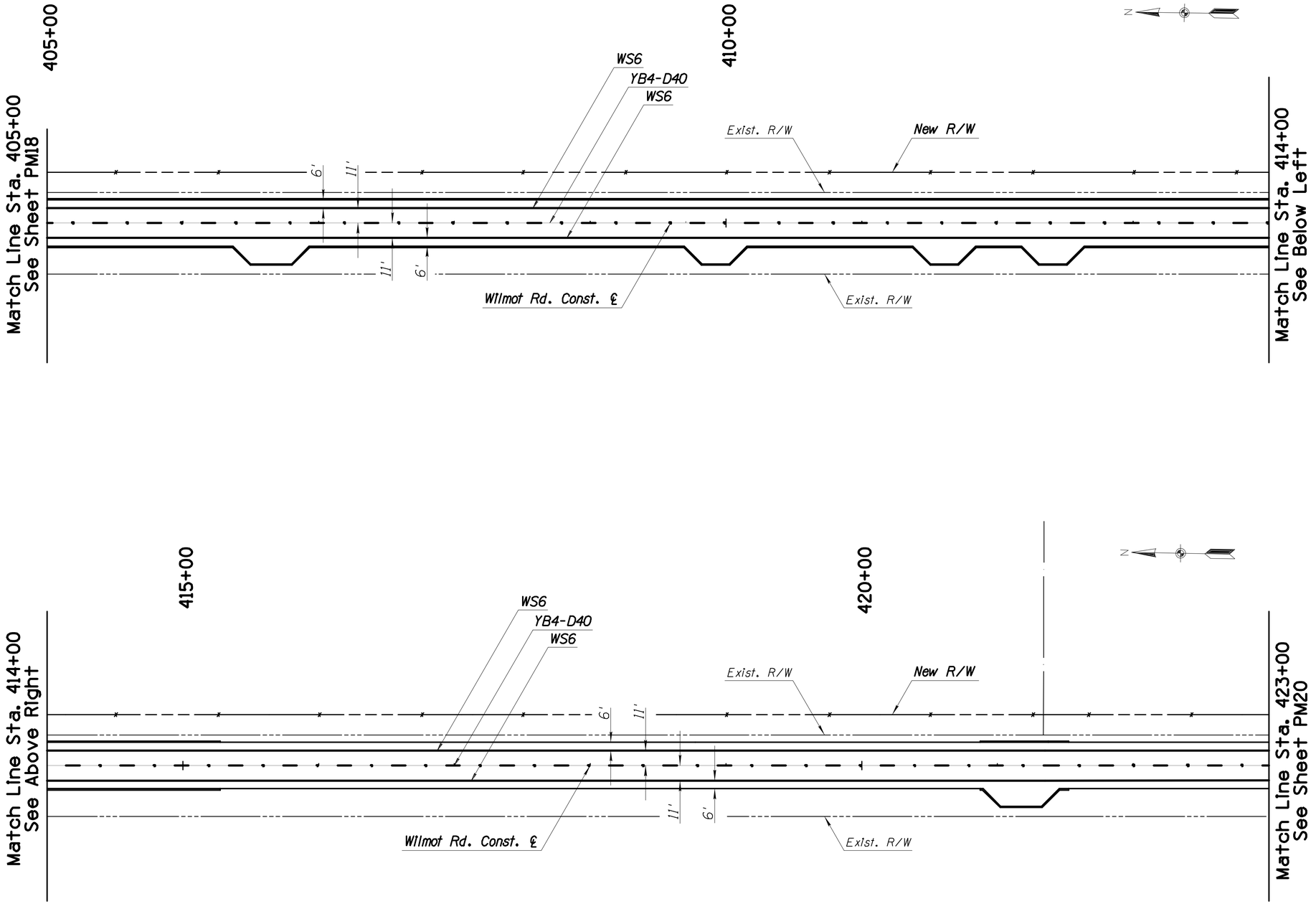
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 387+00 TO STA. 405+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM18 of PM22	Page 85 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm17.dgn DATE: 4/16/2016 TIME: 10:41:59 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) 18164 WILLIAM D. SCHLESINGER Date Signed 04/16/16 ARIZONA, U.S.A. EXPIRES 6-30-2016

Pima County Department of Transportation

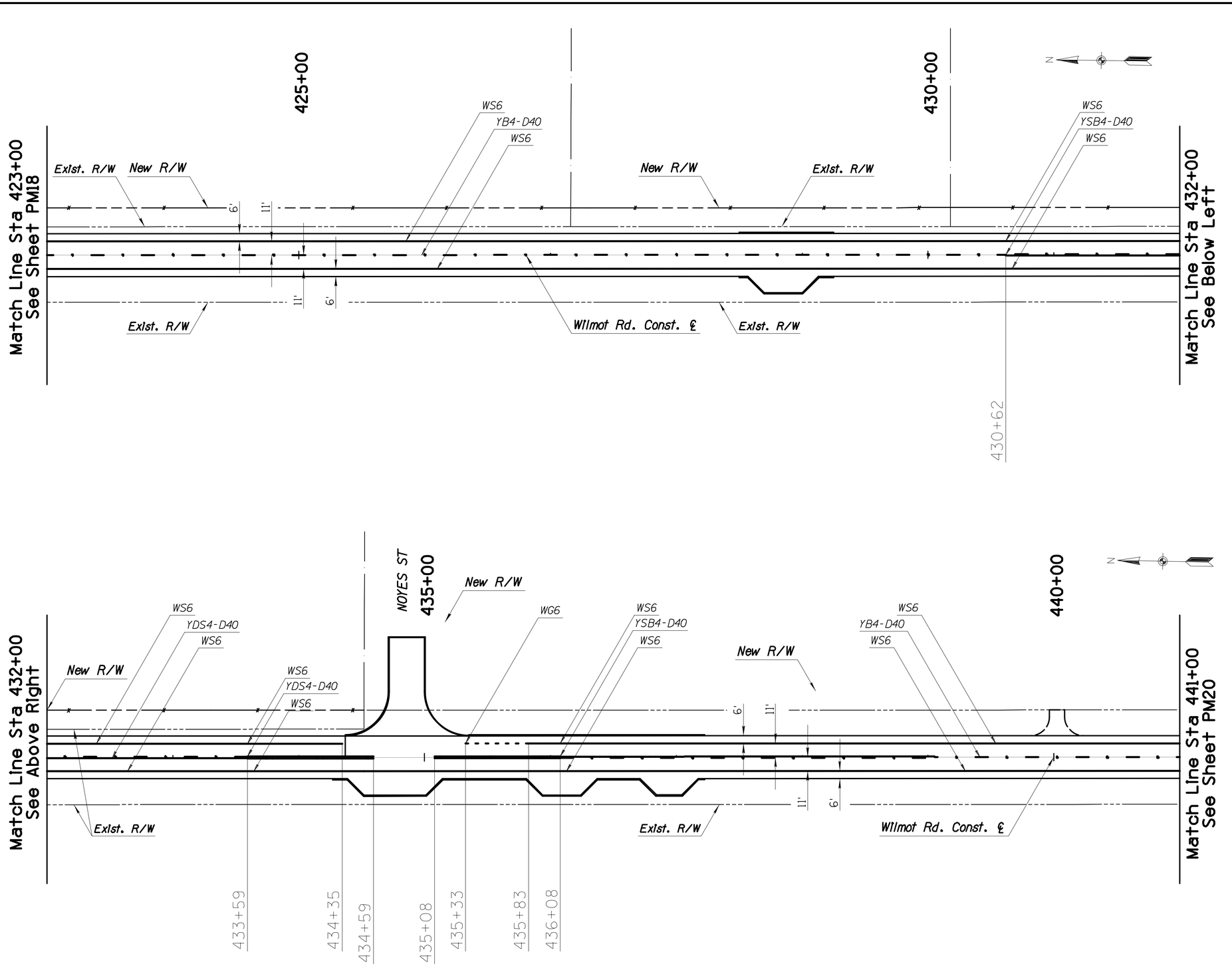
SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 405+00 TO STA. 423+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM19 of PM22	Page 86 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm18.dgn DATE: 4/16/2016 TIME: 11:05:25 AM K. Watts



No.	Revision Description	Engineer	Date

Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 18164 WILLIAM D. SCHLESINGER Date Signed 6-30-16 NATIONAL, U.S.A. EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

Civil Engineer Registration Expires 12/31/2016 Arizona

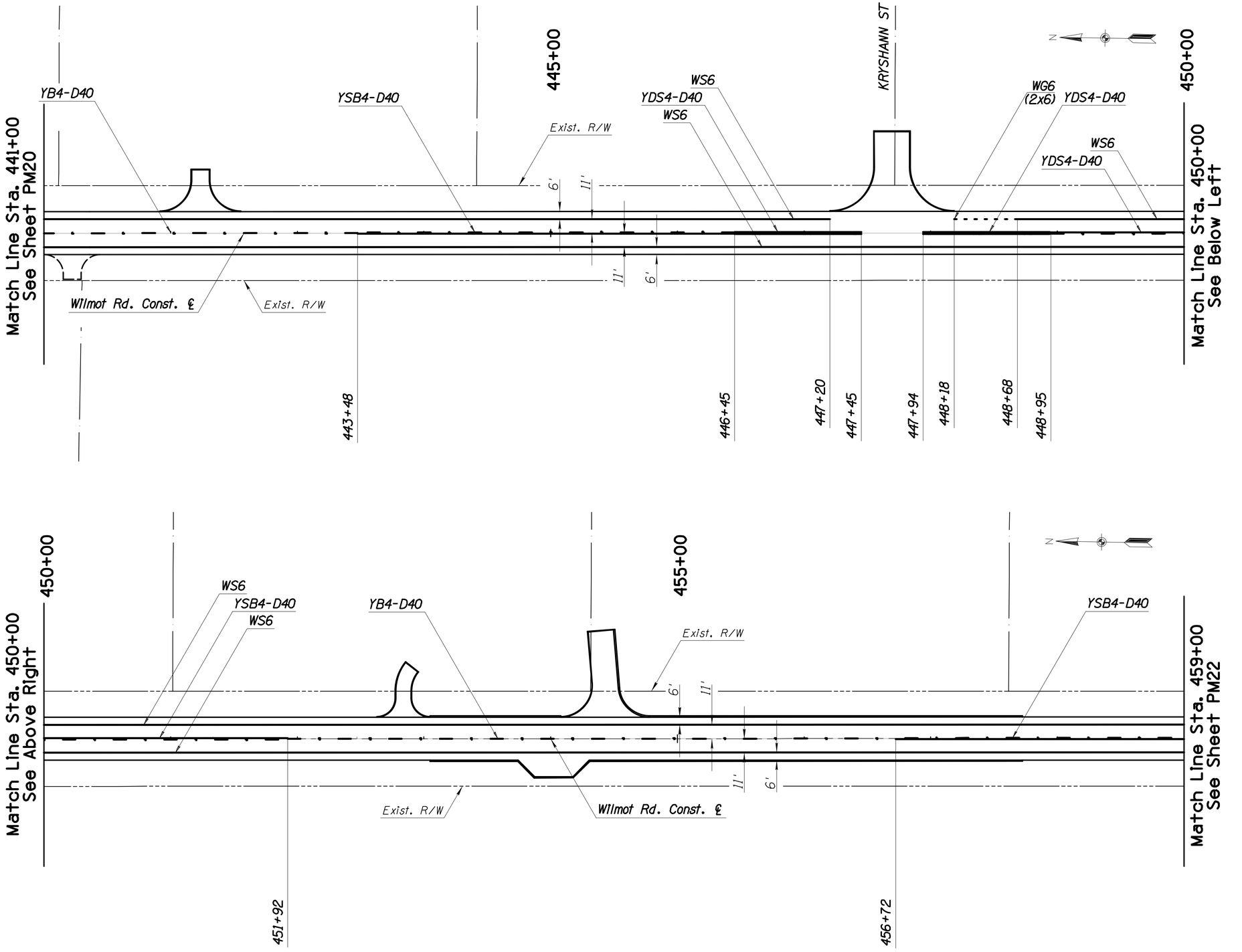
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 423+00 TO STA. 441+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM20 of PM22	Page 87 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm19.dgn DATE: 4/16/2016 TIME: 11:00:15 AM K. Watts



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) 18164 WILLIAM D. SCHLESINGER Date Signed NATIONAL EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

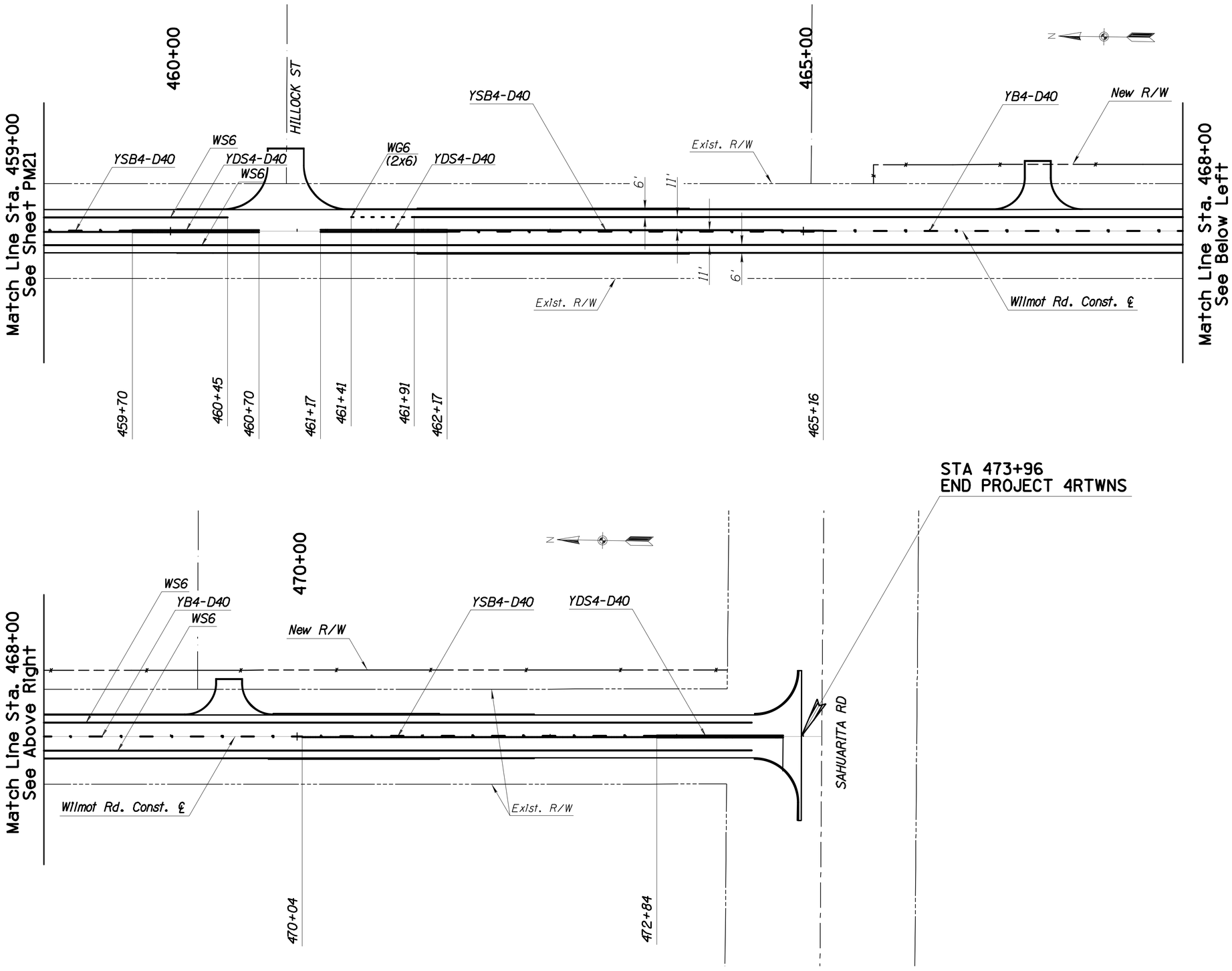
Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 441+00 TO STA. 459+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM21 of PM22	Page 88 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm20.dgn DATE: 4/16/2016 TIME: 10:45:01 AM K. Watts



No.	Revision Description	Engineer	Date

Priscilla S. Cornelio, P.E., Director

		Date
Designed	KW	04/16
Drawn	KW	04/16
Checked	EGM	04/16
Proj. Engr.	EGM	04/16

REGISTERED PROFESSIONAL ENGINEER (Civil) 18164 WILLIAM D. SCHLESINGER Date Signed 04-30-16 EXPIRES 6-30-2016

510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353
SCE ENGINEERING

Pima County Department of Transportation

PAVEMENT MARKING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 459+00 TO STA. 473+96
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet PM22 of PM22	Page 89 of 140

FILE NAME: ...\PM Sheets\4RTWNSpm21.dgn DATE: 4/16/2016 TIME: 10:45:50 AM K. Watts

SIGNING GENERAL NOTES

1. All equipment/materials and construction shall meet or exceed the requirements contained in the current Pima Association of Governments (PAG) Standard Specifications and Standard Details, the Special Provisions and the approved plans.
2. All signs shall be in compliance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), the latest edition of the Pima County/City of Tucson Traffic Signing Design Manual, these plans and the Special Provisions.
3. Signs may be modified and locations adjusted to fit conditions at the discretion of the Traffic Engineer.
4. The design speed for Wilmot Road is 55 miles per hour (mph) between the beginning of the project at Station 99+65 and Andrada Road, and 45 mph between Andrada Road and Sahuarita Road. The posted speed limit is 50 mph and 40 mph, respectively. Sign placement shall be based on the posted speed limit.
5. Post lengths indicated on sign summary sheets are approximate. The contractor shall verify actual post lengths.
6. All perforated posts shall be installed in a concrete foundation, unless otherwise directed by the Traffic Engineer.
7. All sign station locations are approximate. The contractor shall verify actual sign locations with the Traffic Engineer prior to the installation of all signs.
8. The contractor shall be responsible for coordinating all work with Blue Stake, for installing all traffic signs in the field and for maintaining all signing until project is approved for "construction acceptance" by Pima County (fully open to traffic, all punch list items are completed, and one year warranties begin).
9. All overhead mounted signs shall be diamond grade sheeting, Type XI. All school signs shall be fluorescent yellow/green, diamond grade sheeting, Type XI. All other signs shall be high intensity prismatic sheeting, Type IV. All ground mounted signs shall have an anti graffiti coating applied to sign face, 3M #1160 film or equivalent.
10. All new signs shall have 0.080 gauge, radius corner, aluminum backing unless otherwise noted.
11. Prior to disturbing any traffic signs, a sign condition inventory of all existing signing shall be conducted by the contractor and provided to the Sign Shop Supervisor (520-724-2611). Inventory shall indicate current sign location and condition, including any existing damage or deficiencies.
12. Any signs and posts being re-used on this project shall be stockpiled in a manner to avoid damage and maintain the integrity of the signs. Safe storage of stockpile and payment for damage to stockpile shall be the responsibility of the contractor.
13. All signs and posts not being re-used on the project shall be dismantled, stacked and delivered to the owner (City or County) by the contractor. The contractor is responsible for the safe storage at the construction site until delivery, and the safe unloading of the salvaged material. Notification of delivery shall be made at least two working days prior to delivery (48 hours). Pima County Sign Shop 1313 S. Mission Rd. (520-724-2611). No Friday deliveries.

SIGNING QUANTITIES

Item	Item No.	Unit	Quantity
Remove and Salvage Street Signs	2020001	EACH	112
Sign Post (Perforated) (Single)	6070010	L.F.	1187
Foundation for Sign Post (Perforated)	6070110	EACH	130
Sign Panel (Traffic Control) (Permanent) (Type IV)	6080016	S.F.	550
Flat Sheet Aluminum w/ Direct Apply Or Silk-Screen Characters	6080081	S.F.	17

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) CERTIFICATE NO. 18164 WILLIAM D. SCHLESINGER Date Signed NATIONAL EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

Pima County Department of Transportation

SIGNING GENERAL NOTES
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN01 of SN29	Page 90 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn01.dgn DATE: 4/16/2016 TIME: 9:32:49 AM K. Watts

	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
			X					103+19	41' R†	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	OM2-2V(AD)		X					103+45	31' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					103+50	10' L†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					103+70	36' R†	OBJECT MARKER	CONTR														
	W11-8		X					103+74	10' L†	EMERGENCY VEHICLE	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
	W11-4		X					106+64	53' R†	CATTLE CROSSING	CONTR														
	OM2-2V(AD)		X					107+67	1' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					107+83	49' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					107+88	2' R†	OBJECT MARKER	CONTR														
			X					108+80	47' R†	LEAVING CITY LIMITS	CONTR														
	W8-108		X					109+06	3' R†	CATTLE GUARD	CONTR														
			X							BICYLCLES CROSS WITH CAUTION	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
	SPR08-01		X					110+35	56' R†	NO STOPPING STANDING OR PARKING ANY TIME	CONTR														
	W8-18aAZ		X					112+31	62' R†	FLASH FLOOD AREA	CONTR														
	W7-3aP		X							NEXT 7 MILES	CONTR														
	SPR08-01		X					115+79	49' R†	NO STOPPING STANDING OR PARKING ANY TIME	CONTR														
	SPR08-01		X					118+67	1' L†	NO STOPPING STANDING OR PARKING ANY TIME	CONTR														
	SPR08-01		X					121+37	57' R†	NO STOPPING STANDING OR PARKING ANY TIME	CONTR														
	SPR08-01		X					123+02	54' R†	NO STOPPING STANDING OR PARKING ANY TIME	CONTR														
			X					143+12	59' L†	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	OM2-2V(AD)		X					143+23	55' L†	OBJECT MARKER	CONTR														
	OM2-2V		X					146+66	27' L†	VERTICAL OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					160+99	56' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					165+04	16' R†	OBJECT MARKER	CONTR														
			X					165+13	16' R†	DIP DO NOT ENTER WHEN FLOODED	CONTR														
	OM2-2V(AD)		X					182+35	53' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					182+55	11' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					182+64	52' R†	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					185+49	12' R†	OBJECT MARKER	CONTR														
	W8-103		X					203+10	60' R†	DO NOT ENTER WHEN FLOODED	CONTR														
			X					215+94	38' R†	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														

Note: All signs are Item No. 6080016 unless otherwise noted in the "Remarks" column

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

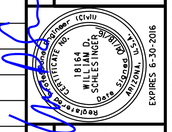
CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

SIGN REMOVAL SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Engineer	EGM	EGM	WDS	EGM
Date	04/16	04/16	04/16	04/16



SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

SIGN SUMMARY - REMOVALS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN02 of SN29	Page 91 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn02.dgn DATE: 4/16/2016 TIME: 9:34:22 AM K. Watts

	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
	OM2-2V(AD)		X					216+20	3' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					216+22	38' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					216+42	4' Lt	OBJECT MARKER	CONTR														
			X					216+68	12' Lt	DIP DO NOT ENTER WHEN FLOODED	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					217+99	38' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					218+24	3' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					218+25	38' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					218+49	3' Lt	OBJECT MARKER	CONTR														
			X					227+47	46' Rt	SIGN POST W/O SIGN	CONTR														
			X					227+60	3' Lt	SIGN POST W/O SIGN	CONTR														
	OM2-2V(AD)		X					267+63	43' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					267+73	2' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					267+93	43' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					267+97	2' Rt	OBJECT MARKER	CONTR														
			X					282+20	52' Rt	DIP DO NOT ENTER WHEN FLOODED	CONTR														
			X					299+36	36' Rt	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	OM2-2V(AD)		X					300+00	9' Lt	OBJECT MARKER	CONTR														
	OM3-R		X					320+08	37' Rt	VERTICAL OBJECT MARKER	CONTR														
	OM3-L		X					320+15	38' Rt	VERTICAL OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					320+18	3' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					320+24	0' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					320+32	1' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					320+35	3' Lt	OBJECT MARKER	CONTR														
			X					323+81	7' Lt	SIGN POST W/O SIGN	CONTR														
	W8-103		X					324+72	16' Lt	DO NOT ENTER WHEN FLOODED	CONTR														
	OM2-2V(AD)		X					330+18	40' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					330+53	2' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					330+79	40' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					330+92	2' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					350+78	44' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					351+20	4' Rt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					351+68	4' Rt	OBJECT MARKER	CONTR														

Note: All signs are Item No. 6080016 unless otherwise noted in the "Remarks" column

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

SIGN REMOVAL SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Engineer	EGM	EGM	WDS	EGM
Date	04/16	04/16	04/16	04/16

Registered Professional Engineer (Civil) Certificate No. 18164 WILLIAM D. SCHLESINGER Date Signed 10-31-14 Arizona U.S.A. EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

SIGN SUMMARY - REMOVALS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN03 of SN29	Page 92 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn03.dgn DATE: 4/16/2016 TIME: 9:34:56 AM K. Watts

	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
	W8-103		X					366+02	47' Lt	DO NOT ENTER WHEN FLOODED	CONTR														
	OM2-2V(AD)		X					368+72	7' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					368+96	7' Lt	OBJECT MARKER	CONTR														
	OM2-2V(AD)		X					369+07	47' Lt	OBJECT MARKER	CONTR														
							X	370+64	50' Lt	WILMOT RD CLOSED AHEAD	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
			X					373+15	36' Lt	WELCOME TUCSON CITY LIMITS	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
			X					373+19	24' Rt	LEAVING CITY LIMITS	CONTR														
	OM2-2V(AD)		X					373+19	24' Rt	OBJECT MARKER	CONTR														
	R1-1		X					373+59	26' Lt	STOP	CONTR														
			X							ANDRADA RD	CONTR														
			X							WILMOT RD	CONTR														
			X					378+66	40' Rt	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	W8-103		X					389+65	46' Rt	DO NOT ENTER WHEN FLOODED	CONTR														
	W8-103		X					426+89	37' Lt	DO NOT ENTER WHEN FLOODED	CONTR														
	R1-1		X					434+53	23' Lt	STOP	CONTR														
			X							NOYES ST	CONTR														
			X							WILMOT RD	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
	R1-1		X					447+43	26' Lt	STOP	CONTR														
			X							KRYSHANN ST	CONTR														
			X							WILMOT RD	CONTR														
	W8-18aAZ		X					458+49	3' Lt	FLASH FLOOD AREA	CONTR														
	W7-3aP		X							NEXT 7 MILES	CONTR														
	R1-1		X					460+64	27' Lt	STOP	CONTR														
			X							HILLOCK ST	CONTR														
			X							WILMOT RD	CONTR														
	W11-4		X					466+57	23' Lt	CATTLE CROSSING	CONTR														
			X							OPEN RANGE	CONTR														
	W3-1		X					468+67	61' Lt	STOP AHEAD	CONTR														
			X					471+42	25' Lt	DIRT ROAD	CONTR														
	W13-1P		X							35 MPH	CONTR														
	R1-1		X					473+64	33' Rt	STOP	CONTR														
	OM2-2V(AD)		X							OBJECT MARKER	CONTR														
			X							SAHUARITA RD	CONTR														
			X							WILMOT RD	CONTR														

Note: All signs are Item No. 6080016 unless otherwise noted in the "Remarks" column

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

SIGN REMOVAL SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
	EGM	EGM	WDS	EGM
Date	04/16	04/16	04/16	04/16

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

SIGN SUMMARY - REMOVALS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN04 of SN29	Page 93 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn04.dgn DATE: 4/16/2016 TIME: 9:35:24 AM K. Watts

Number	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
SOUTHBOUND WILMOT																									
S-1	SPR08-01	X						100+00	26' Rt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	R	1	P1	9							
S-2	W11-4	X						102+92	26' Rt	CATTLE CROSSING	CONTR	36	36	9.0	W	1	P1	10							
S-3	W8-108	X						105+50	26' Rt	CATTLE GUARD	CONTR	36	36	9.0	W	1	P1	10							
S-4	OM2-2V(AD)	X						107+72	22' Rt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
S-5	OM2-2V(AD)	X						107+86	22' Rt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
S-6	W8-18aAZ	X						109+30	26' Rt	FLASH FLOOD AREA	CONTR	36	36	9.0	W	2	P1	21							
S-7	W7-3aP	X								NEXT 7 MILES	CONTR	24	18	3.0	W										
S-8	SPR08-01	X						111+30	26' Rt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	R	1	P1	9							INSTALL W/PANEL PARALLEL TO TRAFFIC
S-9	W8-103	X						113+30	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-10	SPR08-01	X						115+00	26' Rt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	R	1	P1	9							INSTALL W/PANEL PARALLEL TO TRAFFIC
S-11	SPR08-01	X						120+00	26' Rt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	R	1	P1	9							INSTALL W/PANEL PARALLEL TO TRAFFIC
S-12	W14-3	X						122+00	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-13	SPR08-01	X						124+00	26' Rt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	W	1	P1	9							INSTALL W/PANEL PARALLEL TO TRAFFIC
S-14	W8-103	X						129+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-15	R2-1	X						150+00	26' Rt	SPEED LIMIT 50 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
S-16	W8-103	X						157+10	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-17	W14-3	X						167+00	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-18	W8-103	X						178+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-19	W11-4	X						182+00	26' Rt	CATTLE CROSSING	CONTR	36	36	9.0	W	1	P1	10							
S-20	W8-103	X						203+10	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-21	W14-3	X						219+00	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-22	W8-103	X						228+35	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-23	W8-103	X						239+30	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-24	W8-103	X						248+50	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-25	R2-1	X						255+00	26' Rt	SPEED LIMIT 50 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
S-26	W8-103	X						262+80	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-27	W14-3	X						293+00	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-28	W8-103	X						303+70	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-29	W8-103	X						312+30	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-30	W8-108	X						317+93	26' Rt	CATTLE GUARD	CONTR	36	36	9.0	W	1	P1	10							
S-31	OM2-2V(AD)	X						320+11	22' Rt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
S-32	OM2-2V(AD)	X						320+25	22' Lt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
S-33	W8-103	X						334+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-34	W14-3	X						338+00	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-35	W8-103	X						347+70	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-36	W8-103	X						358+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

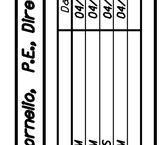
NEW SIGN SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

Designed	EGM
Drawn	EGM
Checked	WDS
Proj. Engr.	EGM

Date
04/16
04/16
04/16
04/16



SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

SIGN SUMMARY - NEW SIGNS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN05 of SN29	Page 94 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn05.dgn DATE: 4/16/2016 TIME: 9:35:58 AM K. Watts

Number	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
SOUTHBOUND WILMOT (CONT.)																									
S-37	W3-5	X						365+40	26' Rt	REDUCED SPEED LIMIT AHEAD	CONTR	36	36	9.0	W	1	P1	9.5							
S-38	W14-3	X						368+58	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							
S-39	R2-1	X						368+90	26' Rt	SPEED LIMIT 40 MPH	CONTR	24	30	5.0	R	1	P1	9.5							INSTALL W/PANEL FACING SB TRAFFIC
S-40	W8-103	X						389+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-41	W8-103	X						417+50	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
S-42	W14-3	X						430+62	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							
S-43	W8-103	X						432+50	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							INSTALL W/PANEL FACING SB TRAFFIC
S-44	W14-3	X						443+48	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							
S-45	W8-103	X						450+00	26' Rt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							INSTALL W/PANEL FACING SB TRAFFIC
S-46	W14-3	X						456+72	26' Lt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							
S-47	W3-1	X						470+00	26' Rt	STOP AHEAD	CONTR	36	36	9.0	W	1	P1	10							INSTALL W/PANEL FACING SB TRAFFIC
S-48	D3-1	X						473+66	28' Rt	SAHUARITA RD	CONTR	0.5	36	1.5	F-DA	1	P1	9.5							Item No. 6080081
S-49	D3-1	X								WILMOT RD	CONTR	0.75	36	2.3	F-DA										Item No. 6080081
S-50	R1-1	X								STOP	CONTR	30	30	6.3	R										
NORTHBOUND WILMOT																									
N-1	R2-1	X						469+90	26' Lt	SPEED LIMIT 40 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
N-2	W11-4	X						466+40	26' Lt	CATTLE CROSSING	CONTR	36	36	9.0	W	1	P1	10							
N-3	W14-3	X						465+16	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-4	W8-18aAZ	X						463+00	26' Lt	FLASH FLOOD AREA	CONTR	36	36	9.0	W	2	P1	21							
N-5	W7-3aP	X								NEXT 7 MILES	CONTR	24	18	3.0	W										
N-6	W8-103	X						458+00	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-7	W14-3	X						451+92	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-8	W8-103	X						445+00	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-9	W14-3	X						439+05	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-10	W8-103	X						426+90	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-11	W8-103	X						415+80	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-12	W14-3	X						378+23	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-13	W8-103	X						376+50	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-14							X	371+50	26' Lt	WILMOT RD CLOSED AHEAD	CONTR				W	1	P1	10							USE EXISTING PANEL
N-15	R2-1	X						369+00	26' Lt	SPEED LIMIT 50 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
N-16	W14-3	X						363+00	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-17	W8-103	X						354+50	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-18	W8-103	X						342+50	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-19	W8-103	X						324+75	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-20	W8-108	X						322+43	26' Lt	CATTLE GUARD	CONTR	36	36	9.0	W	1	P1	10							
N-21	OM2-2V(AD)	X						320+25	22' Rt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB

Note: All signs are Item No. 6080016 unless otherwise noted in the "Remarks" column

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

NEW SIGN SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

	Date
Designed	EGM 04/16
Drawn	EGM 04/16
Checked	WDS 04/16
Proj. Engr.	EGM 04/16

Registered Professional Engineer (Civil) 18164 WILLIAM D. SCHLESINGER Date Signed 04/16/16 Arizona U.S.A. EXPIRES 6-30-2016

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

Certificate of Authorization AZ Board of Technical Registration

SIGN SUMMARY - NEW SIGNS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: N.T.S. | Sheet SN06 of SN29 | Page 95 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn06.dgn DATE: 4/16/2016 TIME: 9:36:30 AM K. Watts

Number	Sign Code	Work: New	Work: Existing: Remove	Work: Existing: Replace Panel	Work: Existing: Overlay Panel	Work: Existing: Salvage & Relocate	Work: Existing: Salvage/Reuse Panel	Sta (ft.)	Offset (ft.)	Panel: Legend	Panel: Provider	Panel: Width (in.)	Panel: Height (in.)	Panel: Area (sq. ft.)	Panel: Type	Ground Mounted: Foundations	Ground Mounted: Posts: Type	Ground Mounted: Posts: Total length (ft.)	Ground Mounted: New Slipbases	Ground Mounted: Retrofit Slipbases	Ground Mounted: Stringer Type	Ground Mounted: Stringer Length (ft.)	Overhead: Structure Type	Overhead: Number of Lights	Remarks
NORTHBOUND WILMOT (CONT.)																									
N-22	OM2-2V(AD)	X						320+11	22' Lt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
N-23	W14-3	X						307+00	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-24	W8-103	X						302+90	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-25	W14-3	X						266+90	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-26	R2-1	X						264+00	26' Lt	SPEED LIMIT 50 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
N-27	W8-103	X						254+90	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-28	W8-103	X						245+85	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-29	W8-103	X						234+85	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-30	W8-103	X						216+68	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-31	W14-3	X						204+00	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-32	W8-103	X						186+10	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-33	W11-4	X						182+00	26' Lt	CATTLE CROSSING	CONTR	36	36	9.0	W	1	P1	10							
N-34	W8-103	X						169+10	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-35	R2-1	X						158+00	26' Lt	SPEED LIMIT 50 MPH	CONTR	24	30	5.0	R	1	P1	9.5							
N-36	W14-3	X						152+00	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-37	W8-103	X						142+10	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-38	W8-103	X						120+15	26' Lt	DO NOT ENTER WHEN FLOODED	CONTR	48	24	8.0	W	2	P1	18							
N-39	SPR08-01	X						118+15	26' Lt	NO STOPPING STANDING OR PARKING ANY TIME	CONTR	18	24	3.0	R	1	P1	9							INSTALL W/PANEL PARALLEL TO TRAFFIC
N-40	W14-3	X						116+00	26' Rt	NO PASSING ZONE	CONTR	40	30	3.3	W	1	P1	9.5							INSTALL W/PANEL FACING NB TRAFFIC
N-41	W8-108	X						111+05	26' Lt	CATTLE GUARD	CONTR	36	36	9.0	W	1	P1	10							
N-42	OM2-2V(AD)	X						107+86	22' Lt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
N-43	OM2-2V(AD)	X						107+72	22' Lt	OBJECT MARKER	CONTR	4	24	0.7	M	1	P1	6							ALIGN WITH INSIDE EDGE OF CATTLE GUARD CURB
N-44	W11-8	X						102+77	26' Lt	EMERGENCY VEHICLE	CONTR	36	36	9.0	W	1	P1	11.5							
N-45	W13-1P	X								35 MPH	CONTR	18	18	2.3	W										
		X																							
WESTBOUND STREETS																									
W-1	D3-1	X						373+45	45' Lt	WILMOT RD	CONTR	0.5	2	1.0	F-DA	1	P1	9.5							Item No. 6080081
W-2	D3-1	X								ANDRADA RD	CONTR	0.75	3	2.3	F-DA										Item No. 6080081
W-3	R1-1	X								STOP	CONTR	30	30	6.3	R										
W-4	D3-1	X						434+58	45' Lt	WILMOT RD	CONTR	0.5	2	1.0	F-DA	1	P1	9.5							Item No. 6080081
W-5	D3-1	X								NOVES ST	CONTR	0.75	36	2.3	F-DA										Item No. 6080081
W-6	R1-1	X								STOP	CONTR	30	30	6.3	R										
W-7	D3-1	X						447+44	45' Lt	WILMOT RD	CONTR	0.5	2	1.0	F-DA	1	P1	9.5							Item No. 6080081
W-8	D3-1	X								KRYSHANN ST	CONTR	0.75	36	2.3	F-DA										Item No. 6080081
W-9	R1-1	X								STOP	CONTR	30	30	6.3	R										
W-10	D3-1	X						460+68	45' Lt	WILMOT RD	CONTR	0.5	2	1.0	F-DA	1	P1	9.5							Item No. 6080081
W-11	D3-1	X								HILLOCK ST	CONTR	0.75	36	2.3	F-DA										Item No. 6080081
W-12	R1-1	X								STOP	CONTR	30	30	6.3	R										

Note: All signs are Item No. 6080016 unless otherwise noted in the "Remarks" column

NOTE: ALL P1 POSTS SHALL BE SINGLE SQUARE TUBE POST, 2 INCH.

Notes:

1. The Engineer shall verify post lengths and elevations.
2. The Engineer may shift a sign in order to achieve a more desirable location.
3. Quantities are approximate and for the contractor's information only.

Panel Types:

RWM: Regulatory, Warning, or Marker

F-DA: Flat-sheet Aluminum with Direct Applied Characters

All Stations are along Magee Rd. Construction Centerline, Unless noted otherwise.

Abbreviations:

CONTR	Contractor
PCDOT	Pima County Department of Transportation
EXIST	Existing

NEW SIGN SUMMARY TABLE

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

No.	Revision Description	Engineer	Date

Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

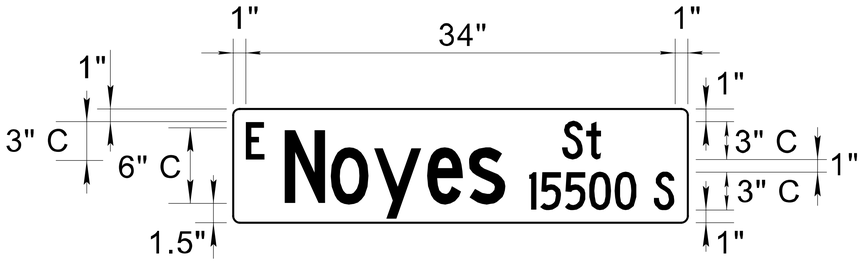
SC ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

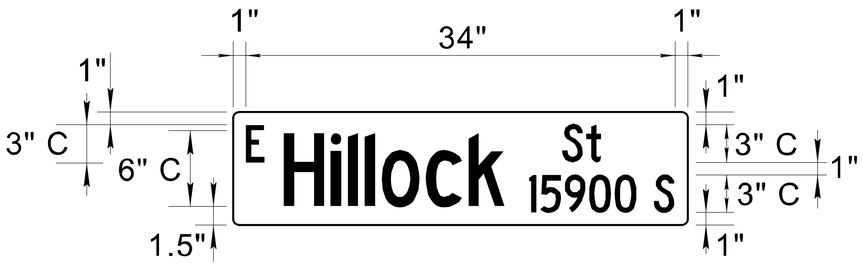
SIGN SUMMARY - NEW SIGNS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

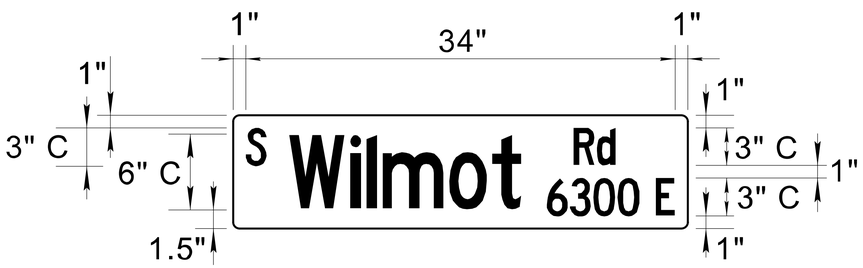
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

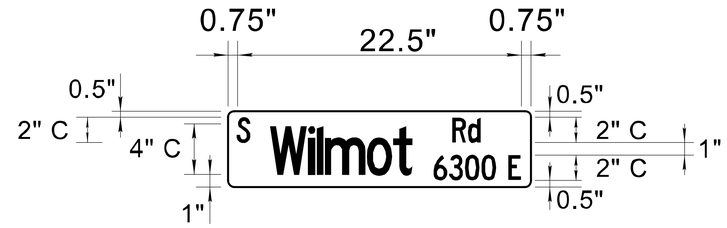
Scale: N.T.S. | Sheet SN07 of SN29 | Page 96 of 140

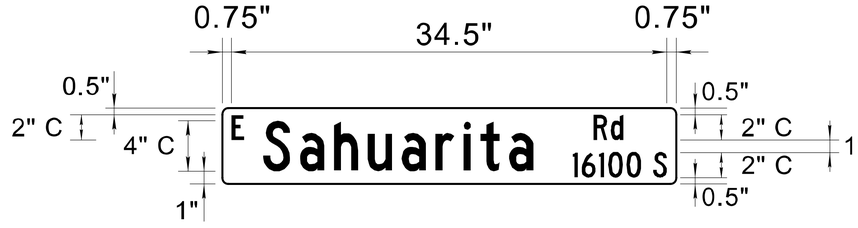
FILE NAME: ...\SN Sheets\4RTWNSsn07.dgn DATE: 4/16/2016 TIME: 9:36:54 AM K. Watts











Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

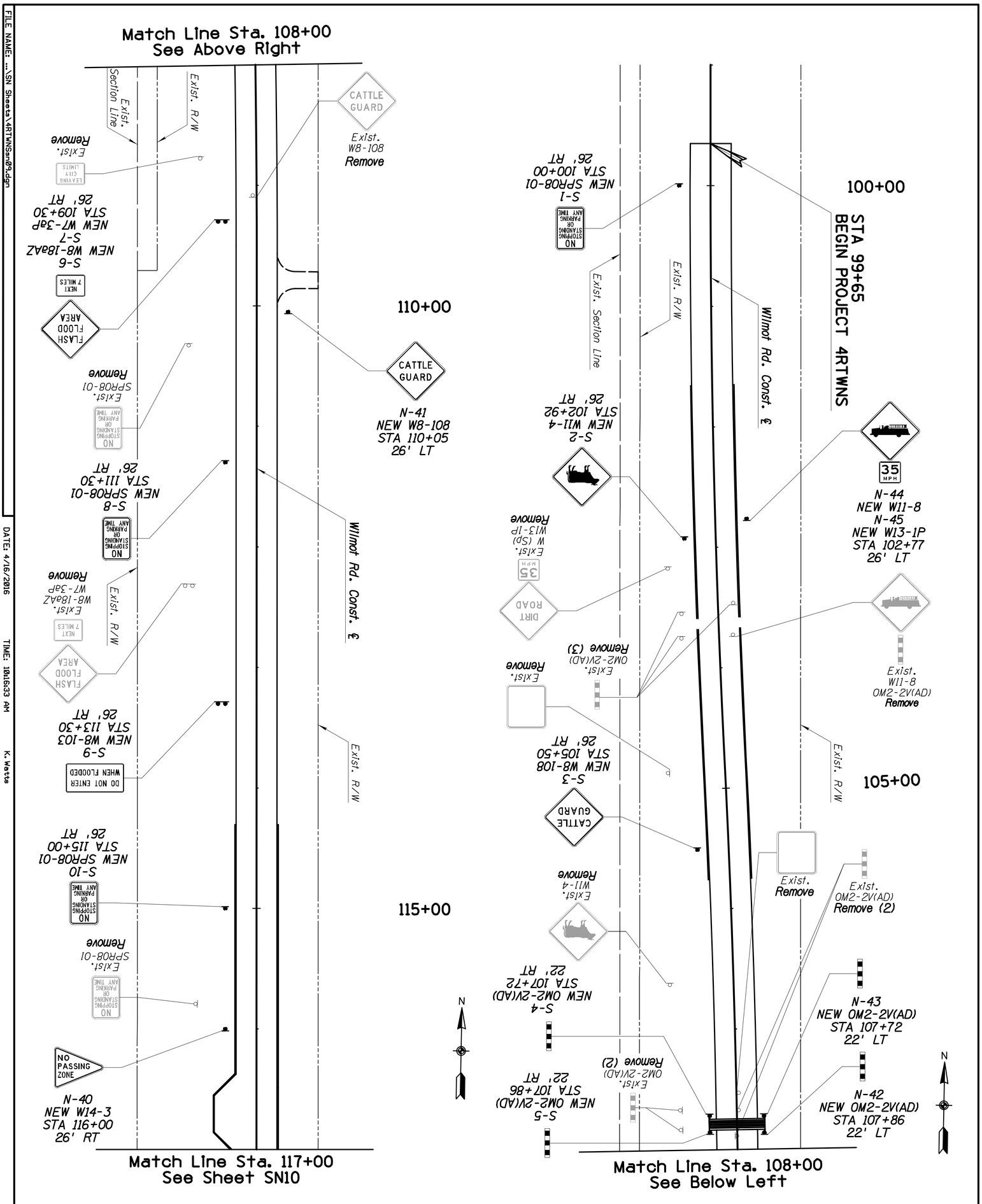
Pima County Department of Transportation

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	N.T.S.	Sheet SN08 of SN29	Page 97 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn08fs.dgn DATE: 4/16/2016 TIME: 9:37:15 AM K. Watts



FILE NAME: ...\SN Sheets\4RTWNSsn09.dgn
DATE: 4/16/2016
TIME: 10:16:33 AM
K. Watts

Scale: 1" = 40' Horiz
Sheet SN09 of SN29
Page 98 of 140

SCALE: 1"=40'

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

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 99+65 TO STA. 117+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
CERTIFICATE NO.
Registered Professional Engineer
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

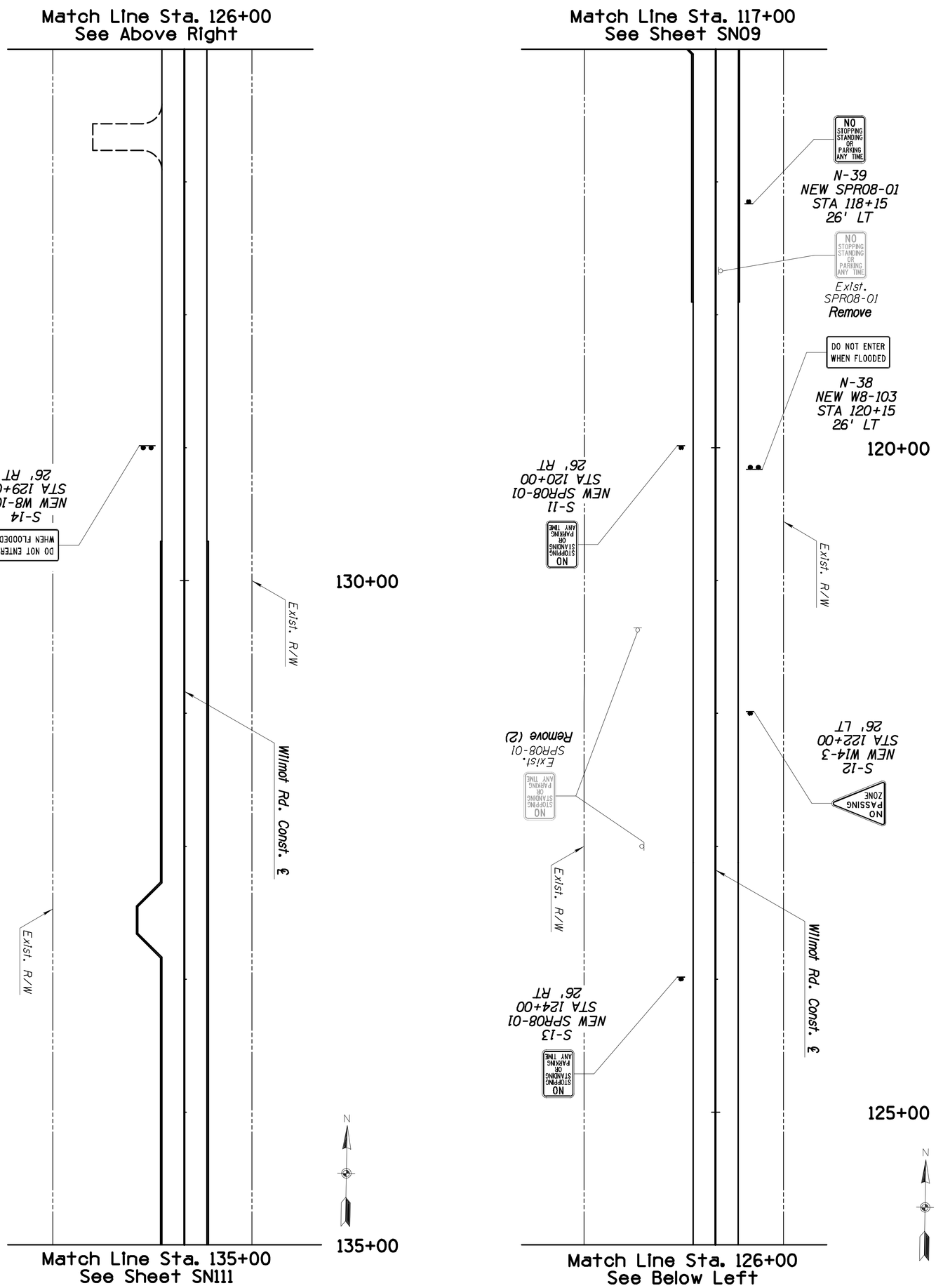
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn10.dgn

DATE: 4/16/2016

TIME: 9:38:07 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN10 of SN29

Page 99 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 117+00 TO STA. 135+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

Registered Professional Engineer
18164
WILLIAM D. SCHLESINGER
CERTIFICATE NO.
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

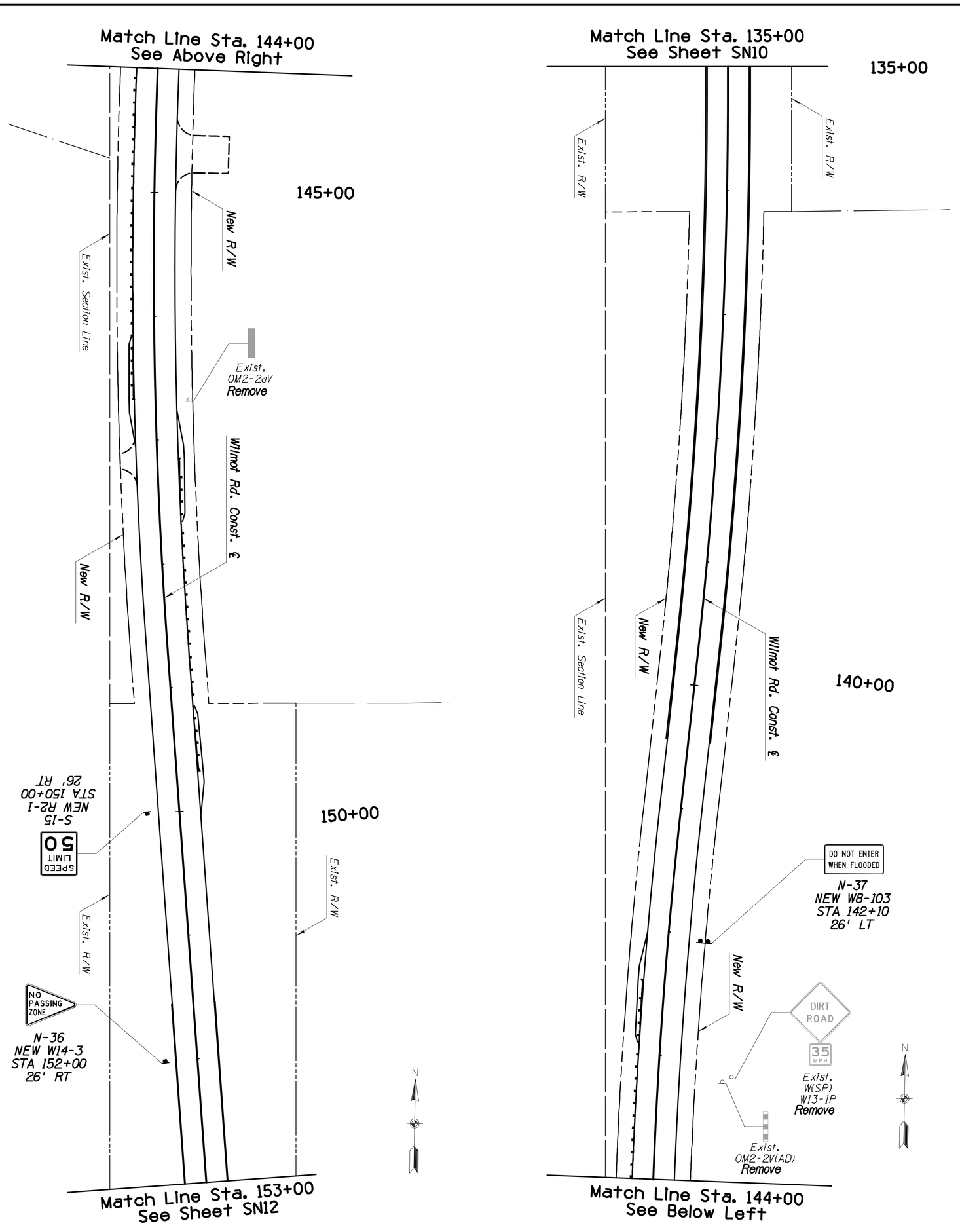
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn11.dgn

DATE: 4/16/2016

TIME: 9:38:39 AM

K. Watts



Scale: 1" = 40' Horiz

Sheet SN11 of SN29

Page 100 of 140

SCALE: 1"=40'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 135+00 TO STA. 153+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
Registered Professional Engineer
CERTIFICATE NO.
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

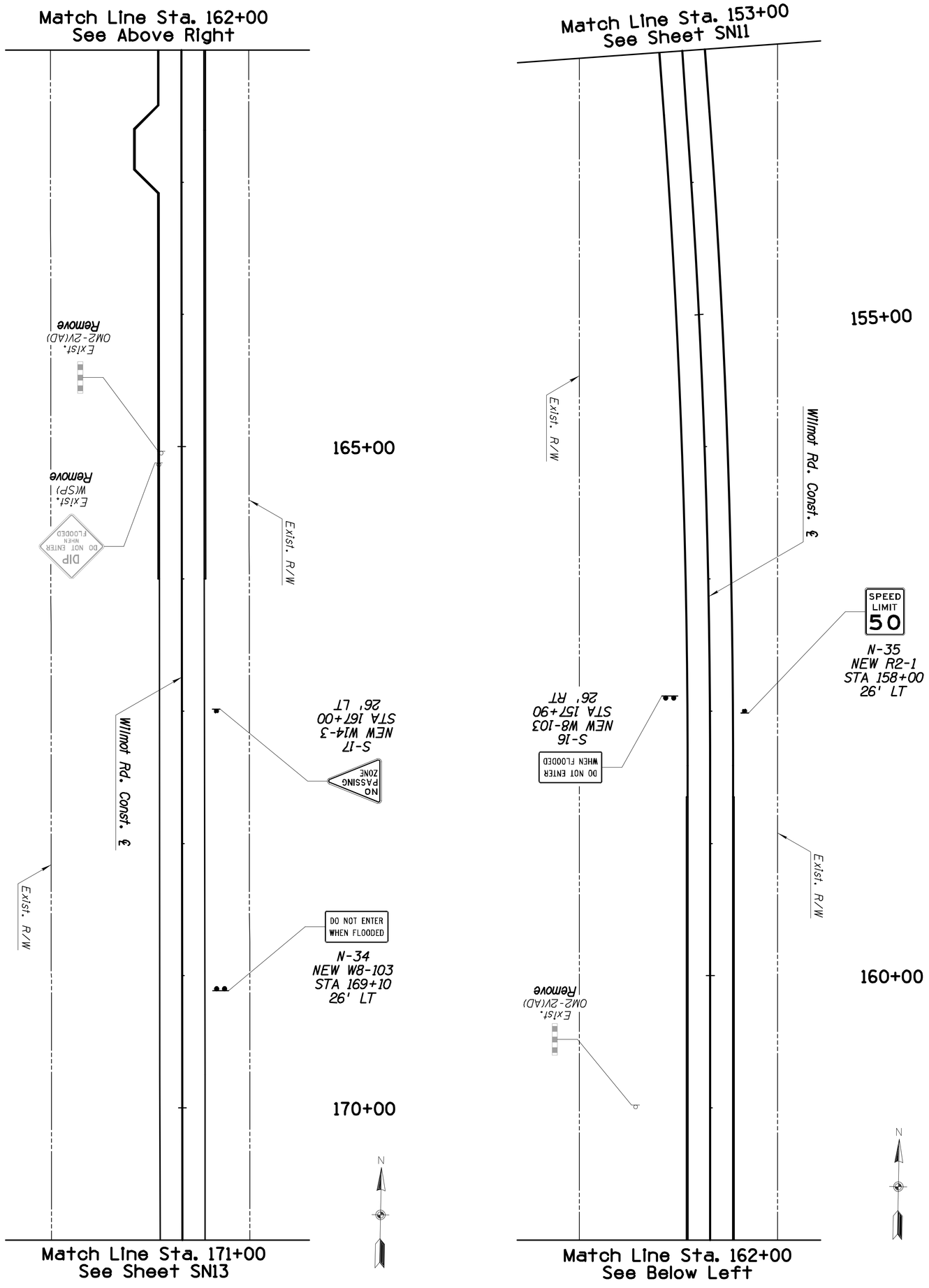
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn12.dgn

DATE: 4/16/2016

TIME: 9:39:14 AM

K. Watts



Scale: 1"= 40' Horiz

SCALE: 1"=40'

Sheet SN12 of SN29

Page 101 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 153+00 TO STA. 171+00
PROJECT NO. 4RTWNS

ARIZONA811

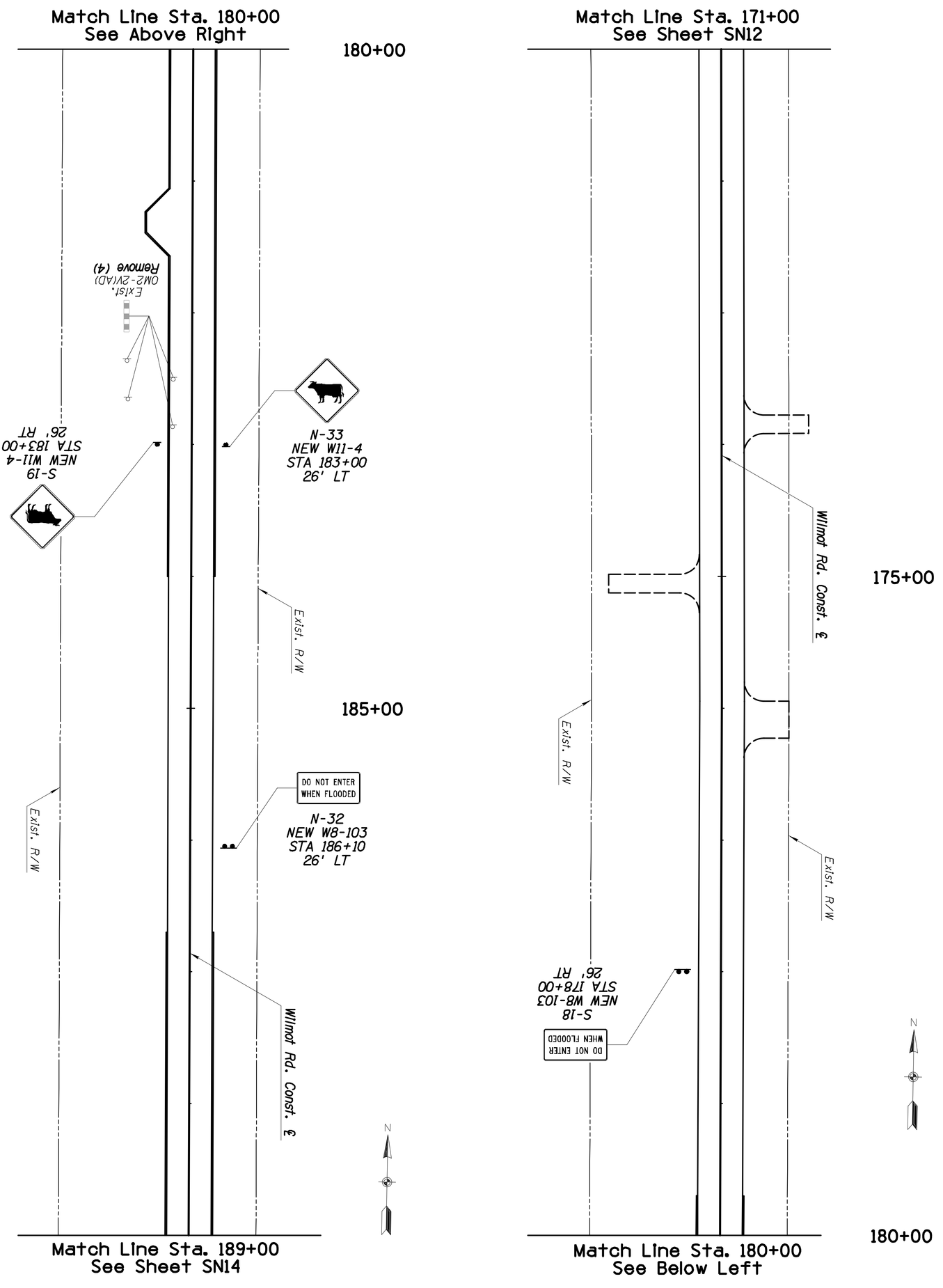
SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO.
18164
WILLIAM D. SCHLESINGER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn13.dgn
DATE: 4/16/2016
TIME: 9:39:40 AM
K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN13 of SN29

Page 102 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 171+00 TO STA. 189+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
CERTIFICATE NO.
REGISTERED PROFESSIONAL ENGINEER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

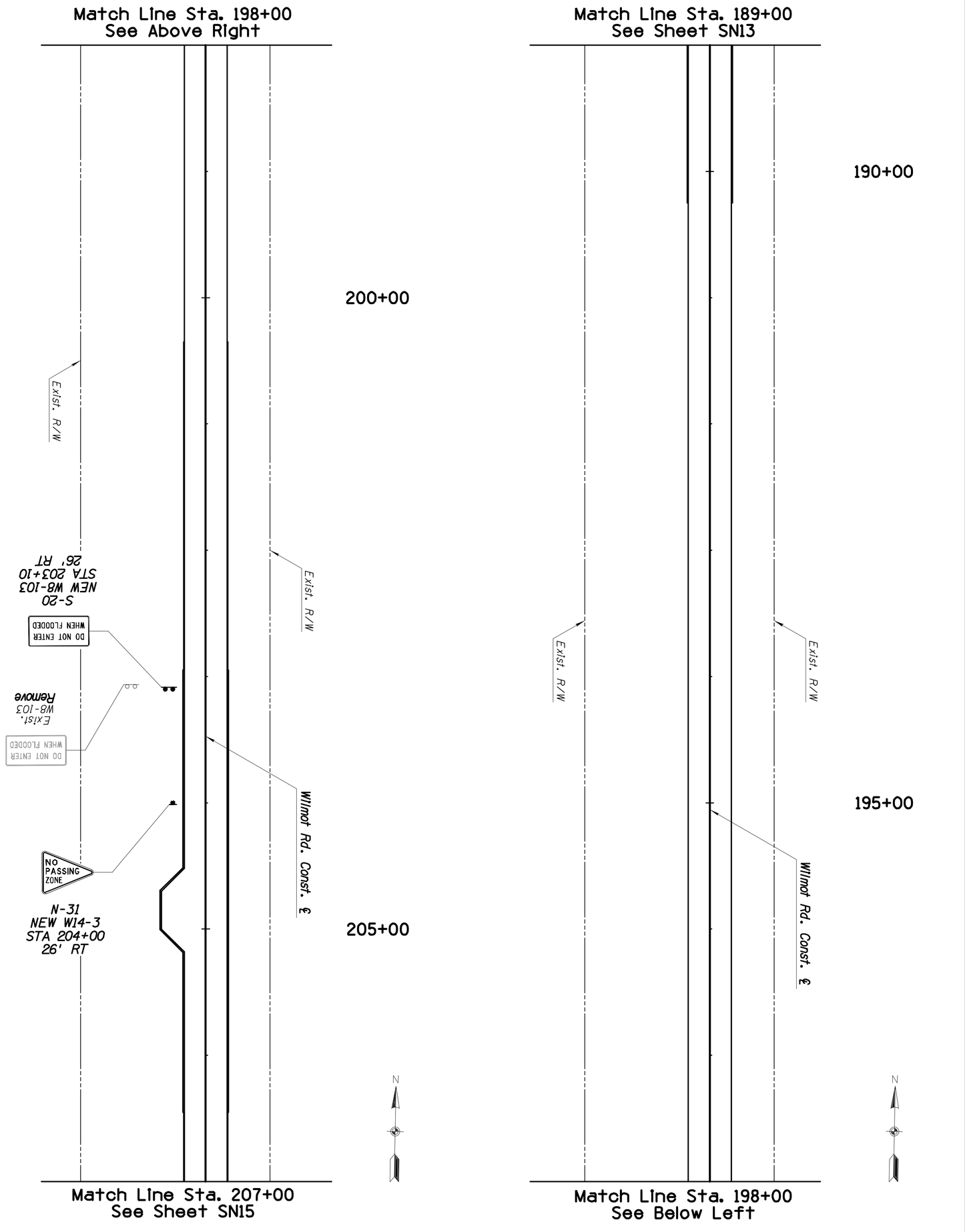
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn14.dgn

DATE: 4/16/2016

TIME: 9:40:13 AM

K. Watts



Scale: 1" = 40' Horiz

Sheet SN14 of SN29

Page 103 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 189+00 TO STA. 207+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D.
SCHLESINGER
Registered Professional Engineer
CERTIFICATE NO.
Signed Number
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

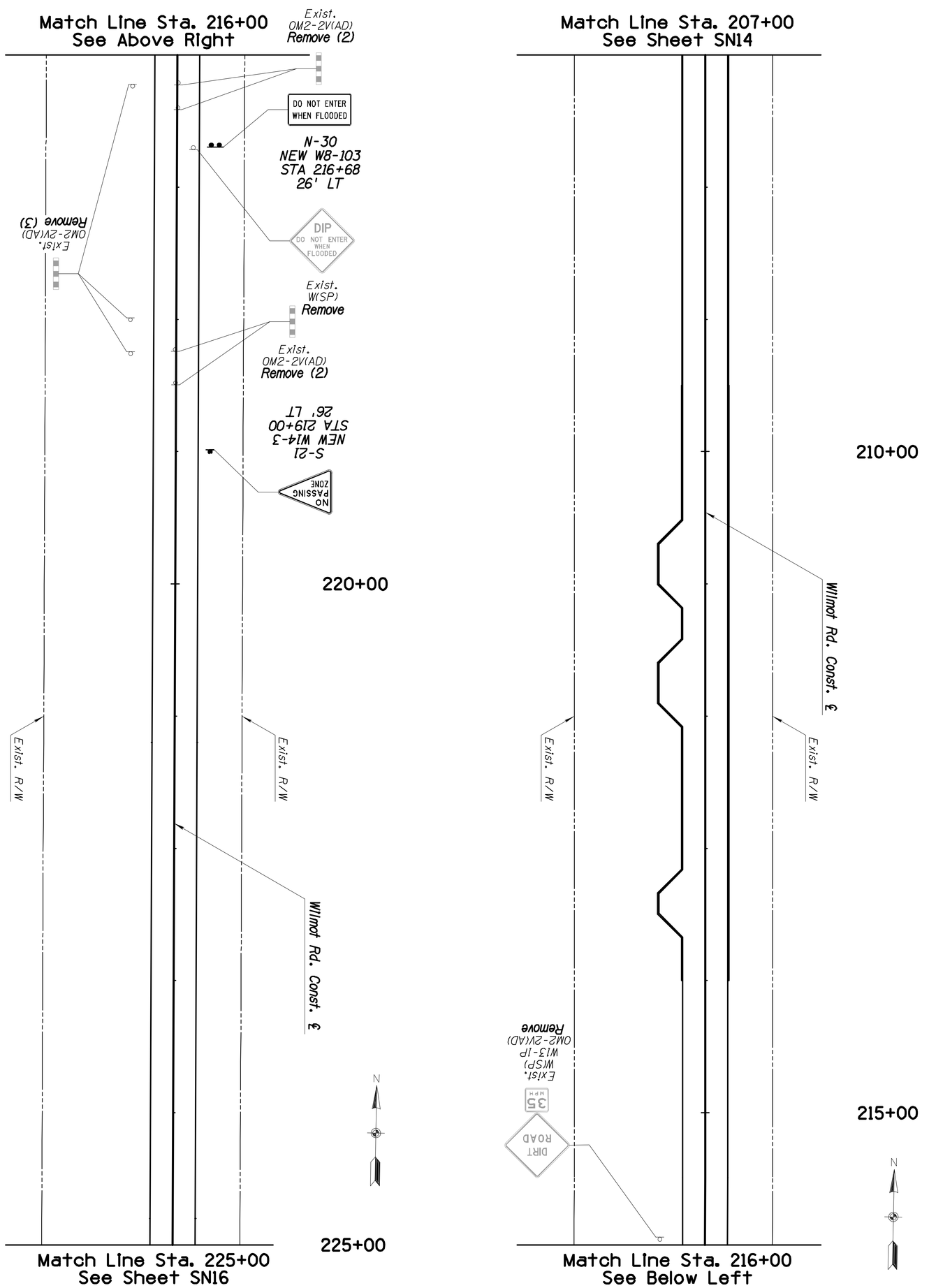
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn15.dgn

DATE: 4/16/2016

TIME: 9:40:37 AM

K. Watts



Scale: 1" = 40' Horiz

Sheet SN15 of SN29

Page 104 of 140

SCALE: 1"=40'

40' 0 40' 80'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 207+00 TO STA. 225+00
PROJECT NO. 4RTWNS

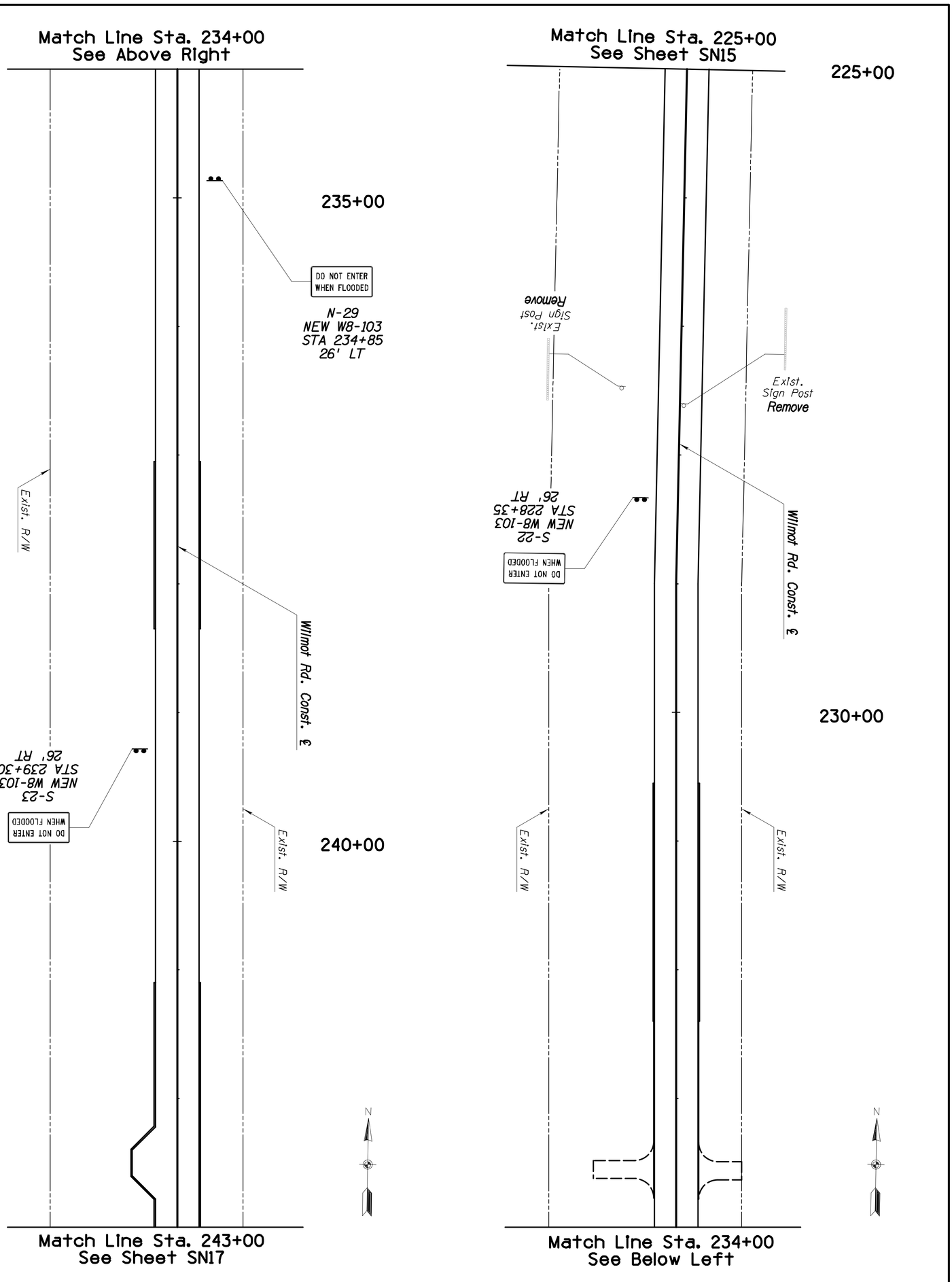
ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D.
SCHLESINGER
Registered Professional Engineer
Signed Number
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16



FILE NAME: ...\SN Sheets\4RTWNSsn16.dgn

DATE: 4/16/2016

TIME: 9:41:11 AM

K. Watts

Scale: 1" = 40' Horiz

Sheet SN16 of SN29

Page 105 of 140

SCALE: 1"=40'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 225+00 TO STA. 243+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D.
SCHLESINGER
Registered Professional Engineer
Certificate No.
Signed
Arizona, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

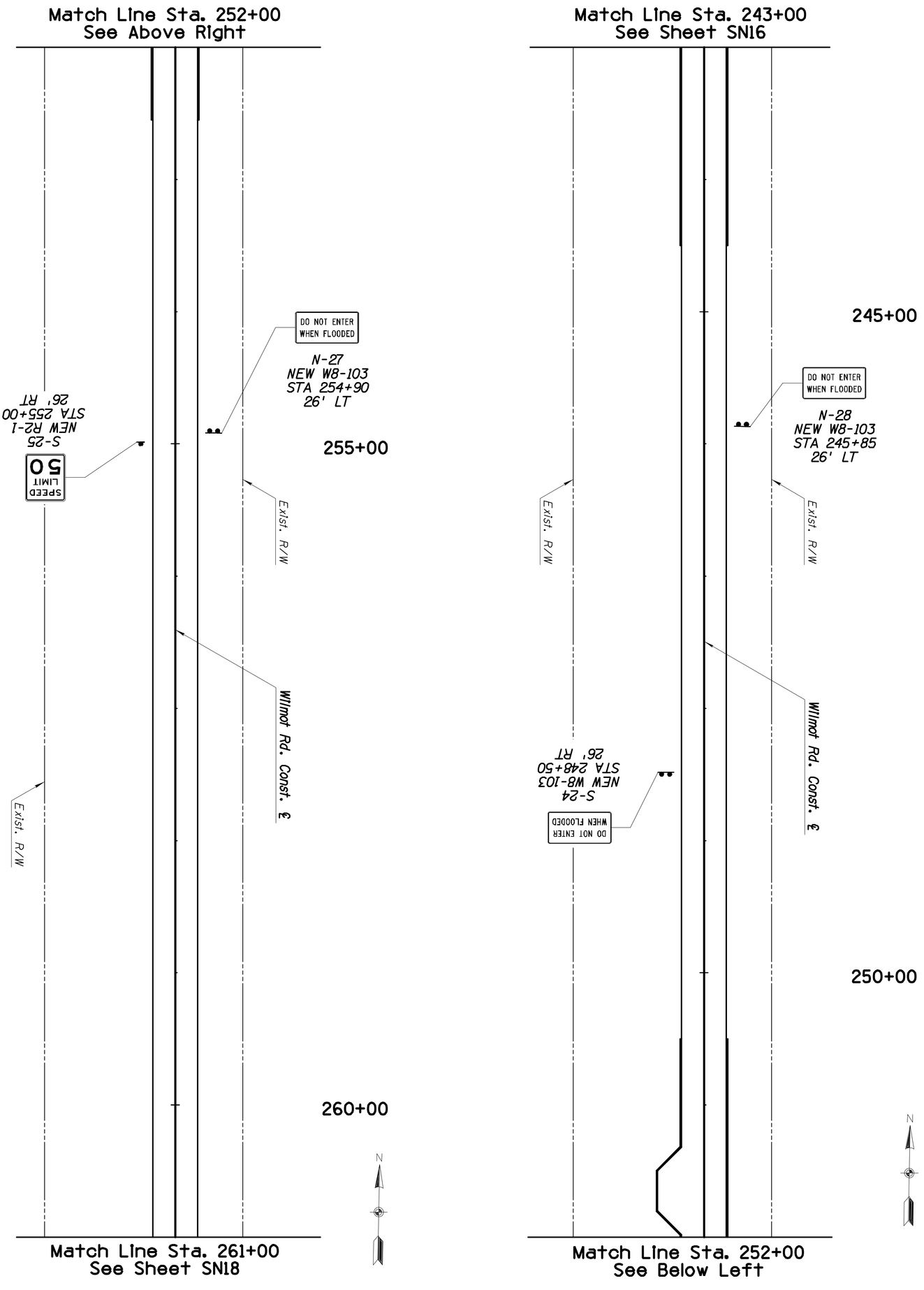
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn17.dgn

DATE: 4/16/2016

TIME: 9:41:37 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN17 of SN29

Page 106 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 243+00 TO STA. 261+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO.
Signed Electronically
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

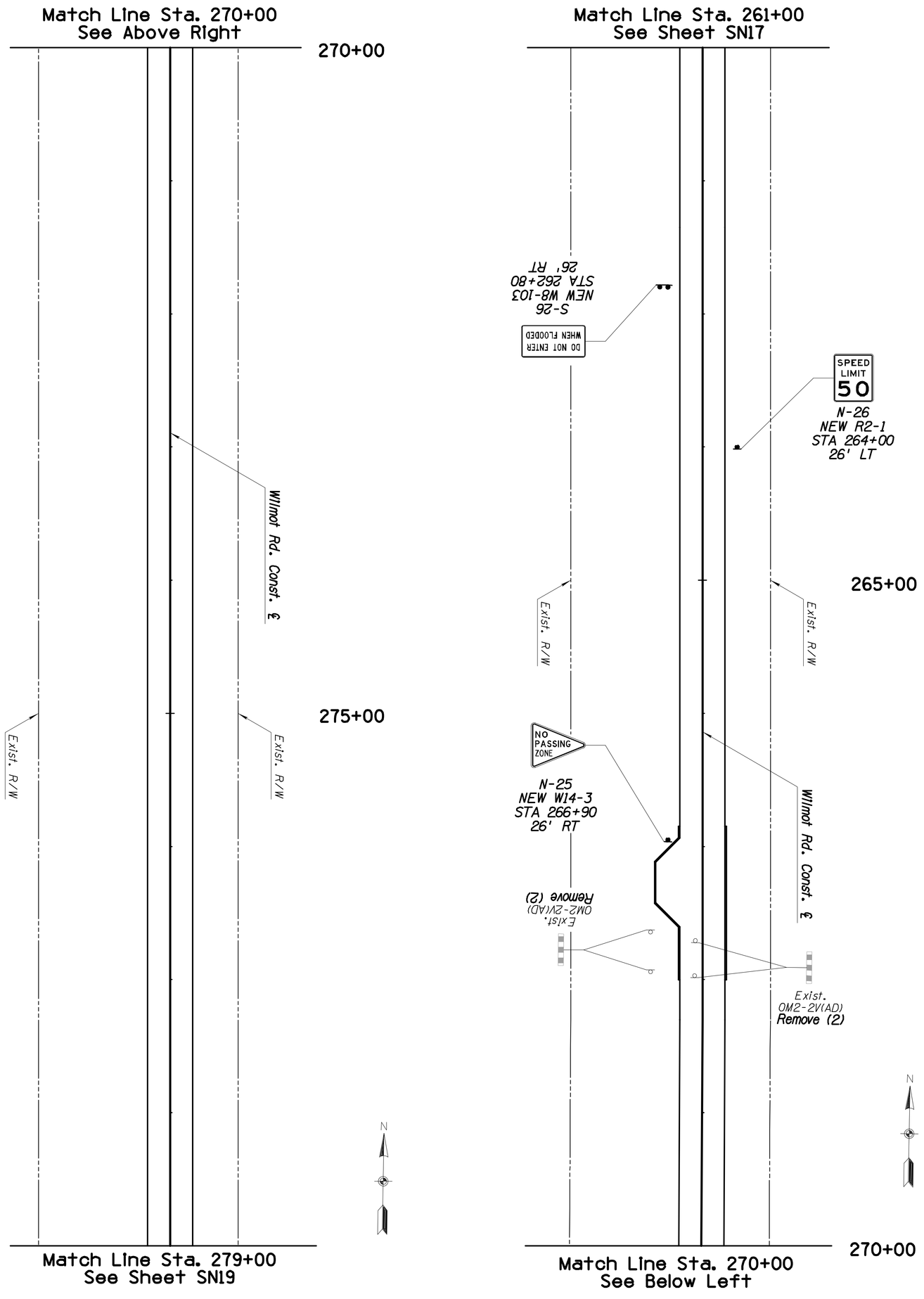
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn18.dgn

DATE: 4/16/2016

TIME: 9:42:36 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN18 of SN29

Page 107 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 261+00 TO STA. 279+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
Registered Professional Engineer
Certificate No.
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

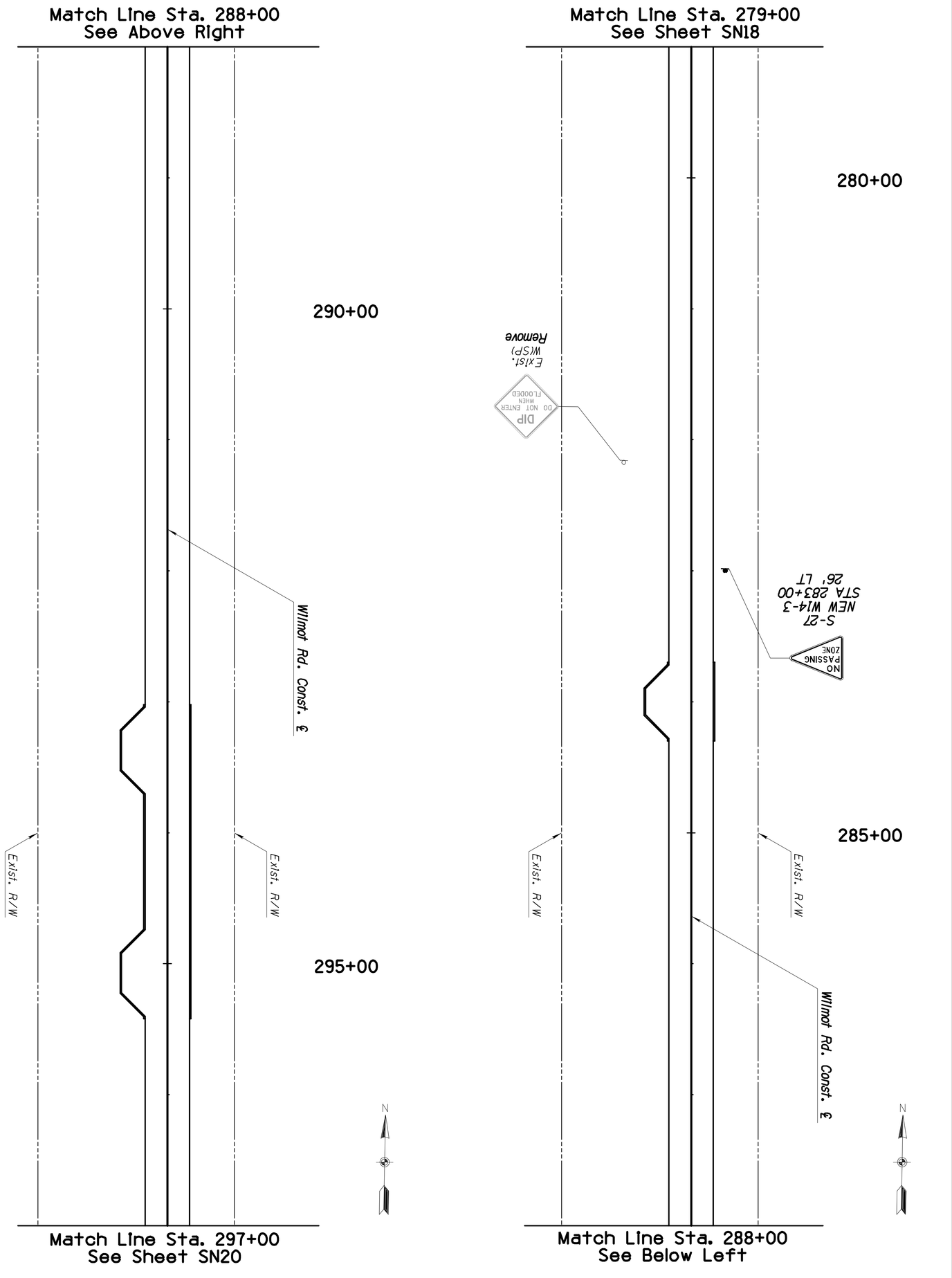
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn19.dgn

DATE: 4/16/2016

TIME: 9:43:12 AM

K. Watts



Scale: 1" = 40' Horiz

Sheet SN19 of SN29

Page 108 of 140

SCALE: 1"=40'

40' 0 40' 80'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 279+00 TO STA. 297+00
PROJECT NO. 4RTWNS

ARIZONA811

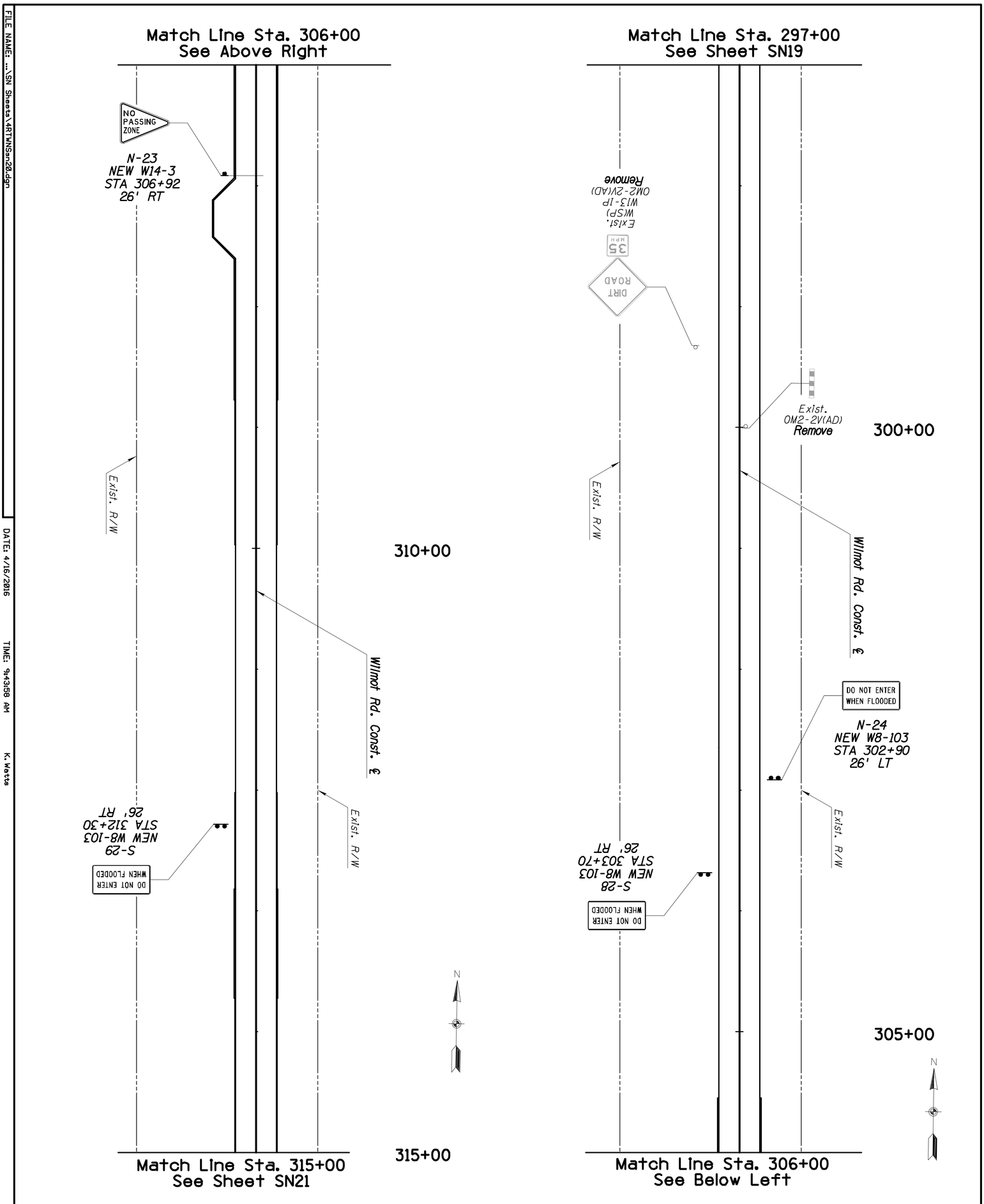
SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO.
18164
WILLIAM D. SCHLESINGER
Signed Electronically
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn20.dgn
DATE: 4/16/2016
TIME: 9:43:58 AM
K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN20 of SN29

Page 109 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 297+00 TO STA. 315+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
CERTIFICATE NO.
REGISTERED PROFESSIONAL ENGINEER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

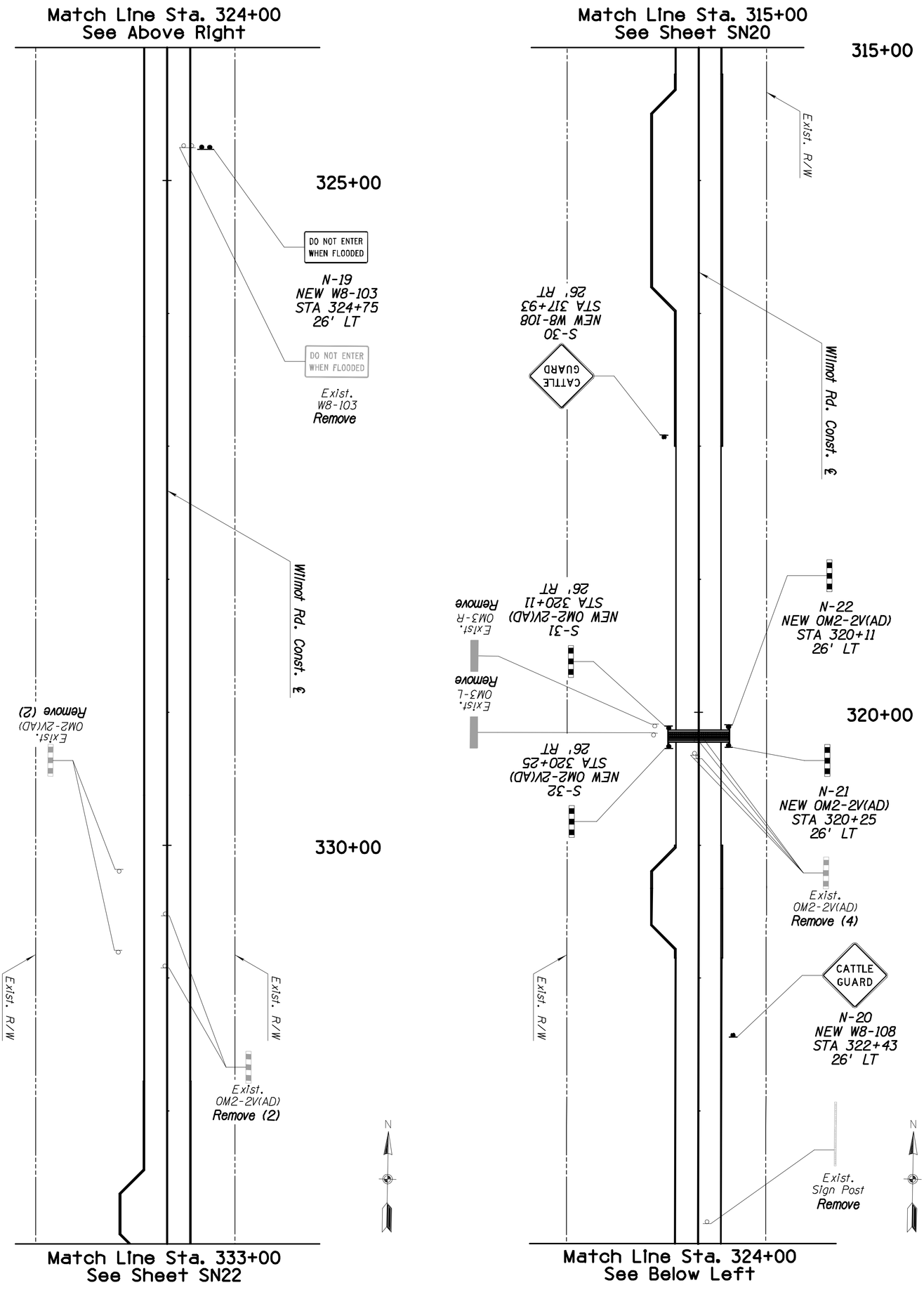
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn21.dgn

DATE: 4/16/2016

TIME: 9:44:32 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN21 of SN29

Page 110 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 315+00 TO STA. 333+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO.
18164
WILLIAM D. SCHLESINGER
Signed 04/18/2016
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

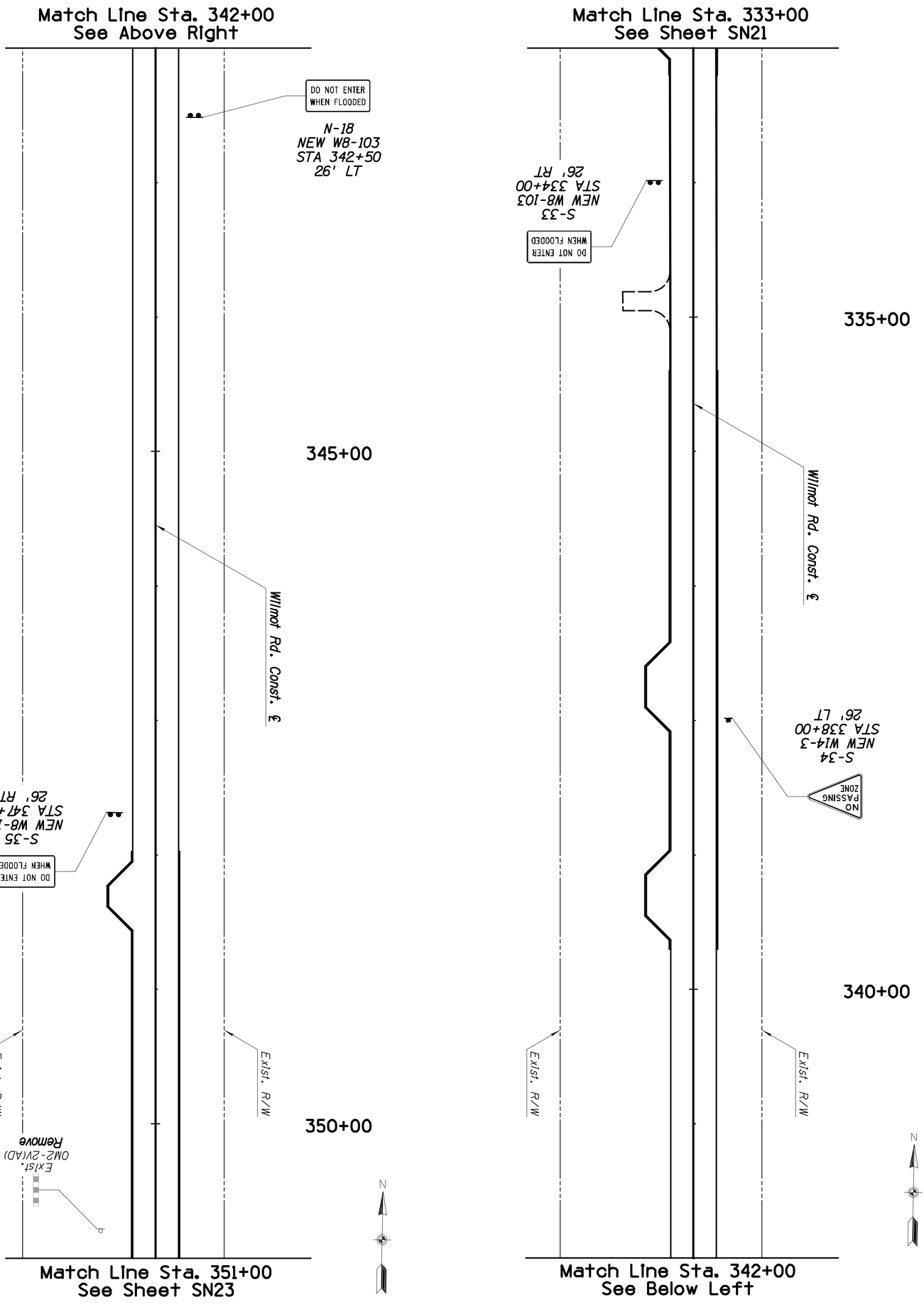
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn22.dgn

DATE: 4/16/2016

TIME: 9:45:11 AM

K. Watts



Scale: 1" = 40' Horiz

Sheet SN22 of SN29

Page 111 of 140

SCALE: 1"=40'

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 333+00 TO STA. 351+00
PROJECT NO. 4RTWNS

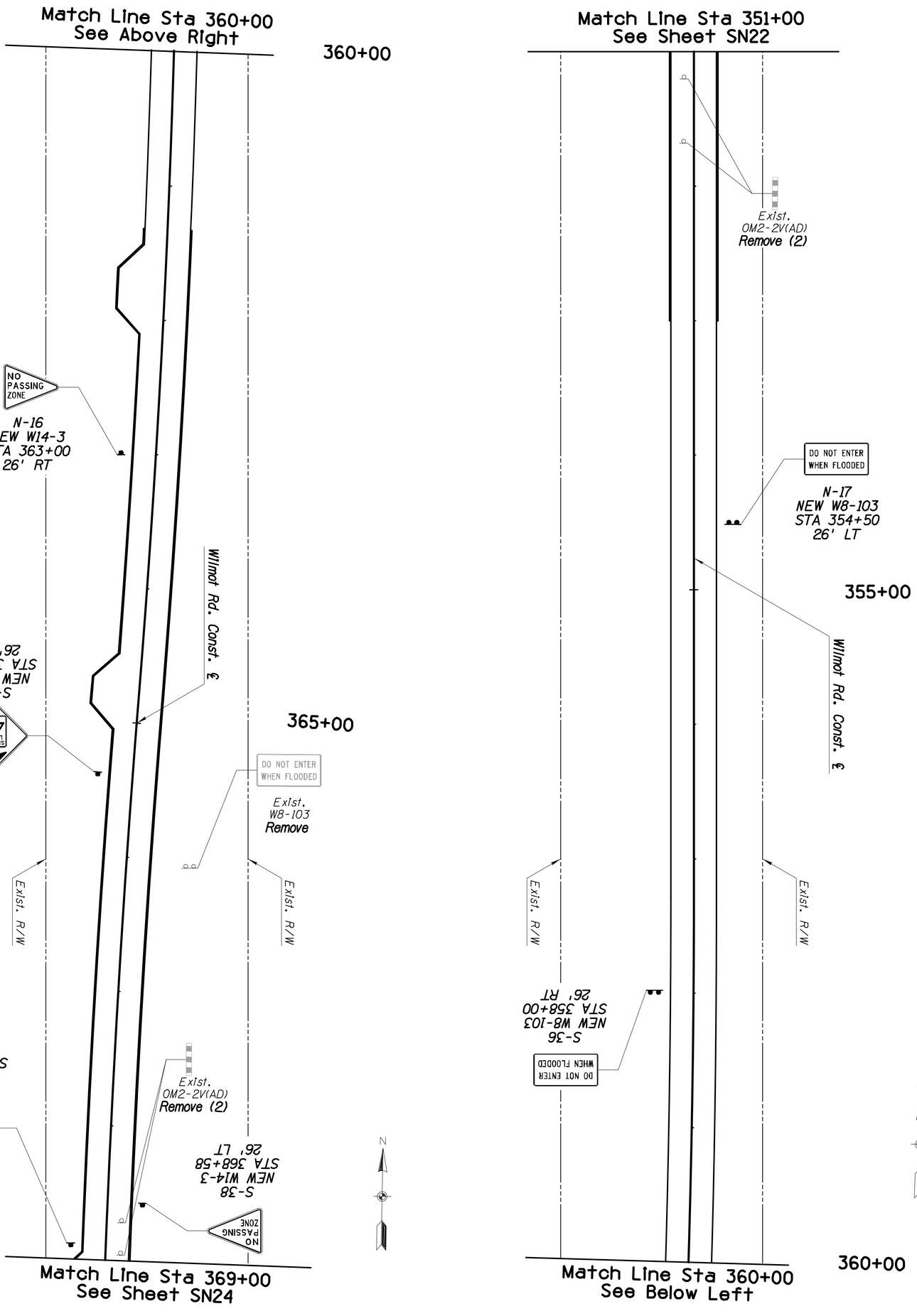
SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
REGISTERED PROFESSIONAL ENGINEER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn23.dgn
DATE: 4/16/2016
TIME: 9:45:45 AM
K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN23 of SN29

Page 112 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 351+00 TO STA. 369+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
CERTIFICATE NO.
Registered Professional Engineer
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

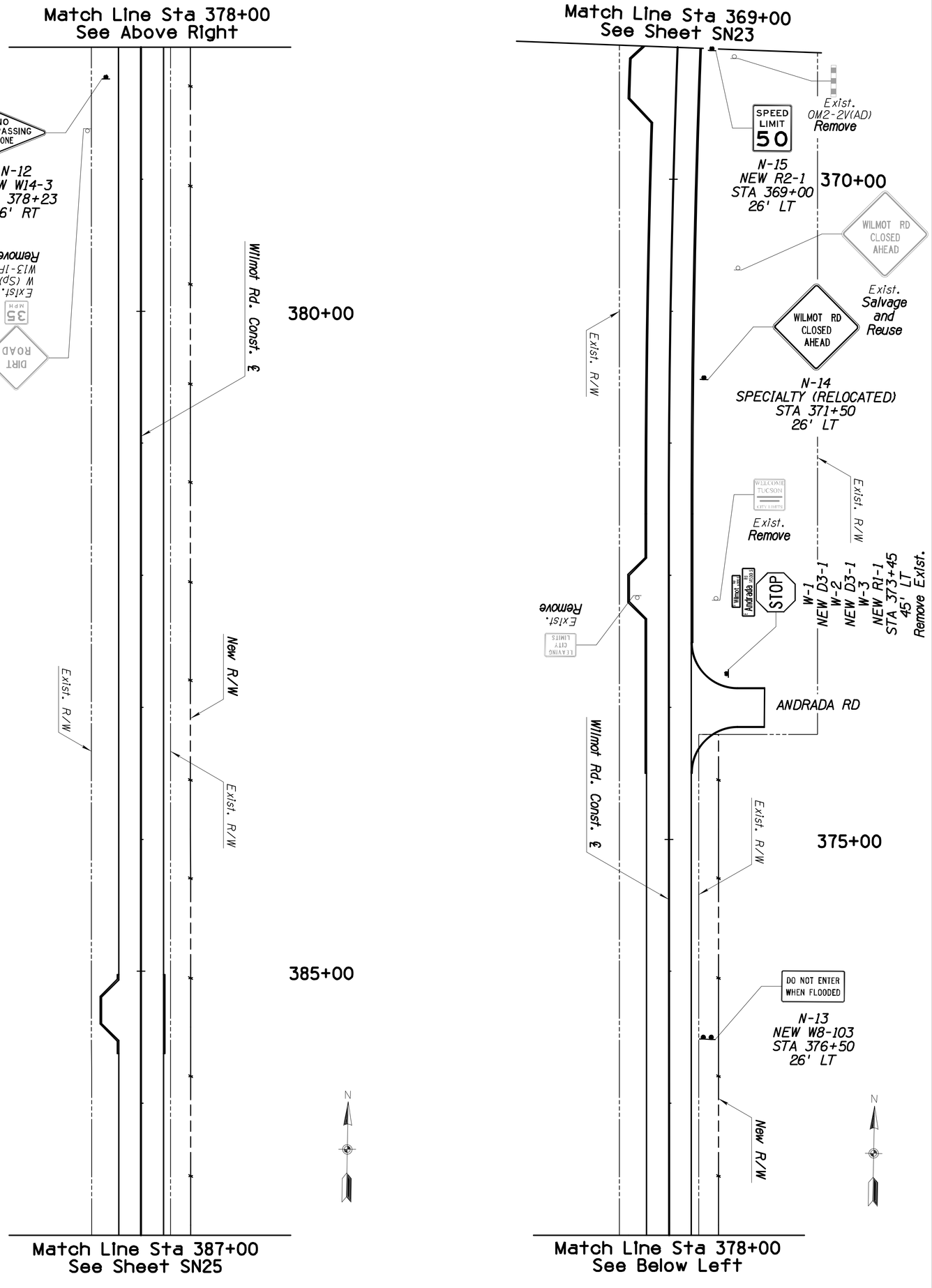
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn24.dgn

DATE: 4/16/2016

TIME: 9:46:22 AM

K. Watts



Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN24 of SN29

Page 113 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 369+00 TO STA. 387+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

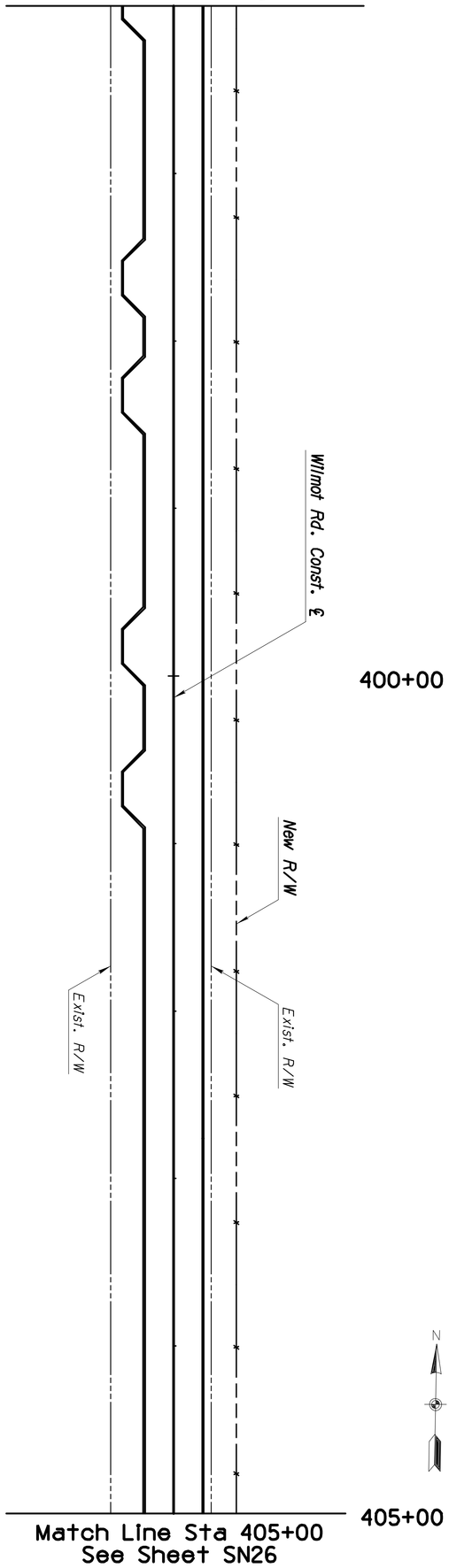
18164
WILLIAM D. SCHLESINGER
REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NO.
ARIZONA, U.S.A.
EXPIRES 6-30-2016

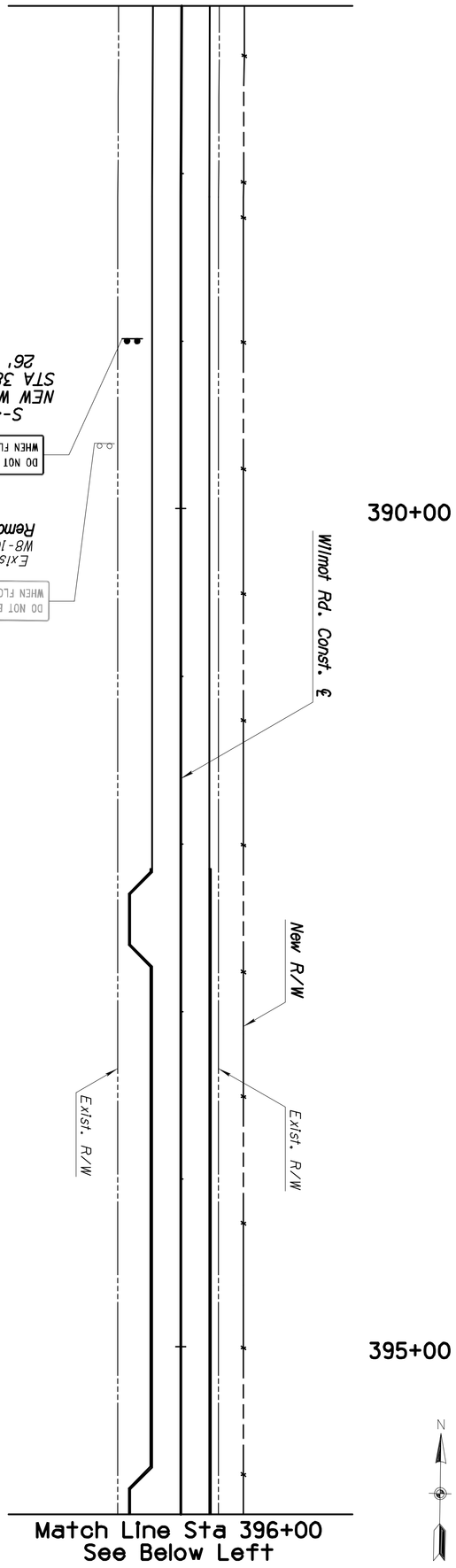
No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

FILE NAME: ...\SN Sheets\4RTWNSsn25.dgn
DATE: 4/16/2016
TIME: 9:46:56 AM
K. Watts





Scale: 1" = 40' Horiz

SCALE: 1"=40'

Sheet SN25 of SN29

Page 114 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 387+00 TO STA. 405+00
PROJECT NO. 4RTWNS

ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
Registered Professional Engineer
CERTIFICATE NO.
Signed
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

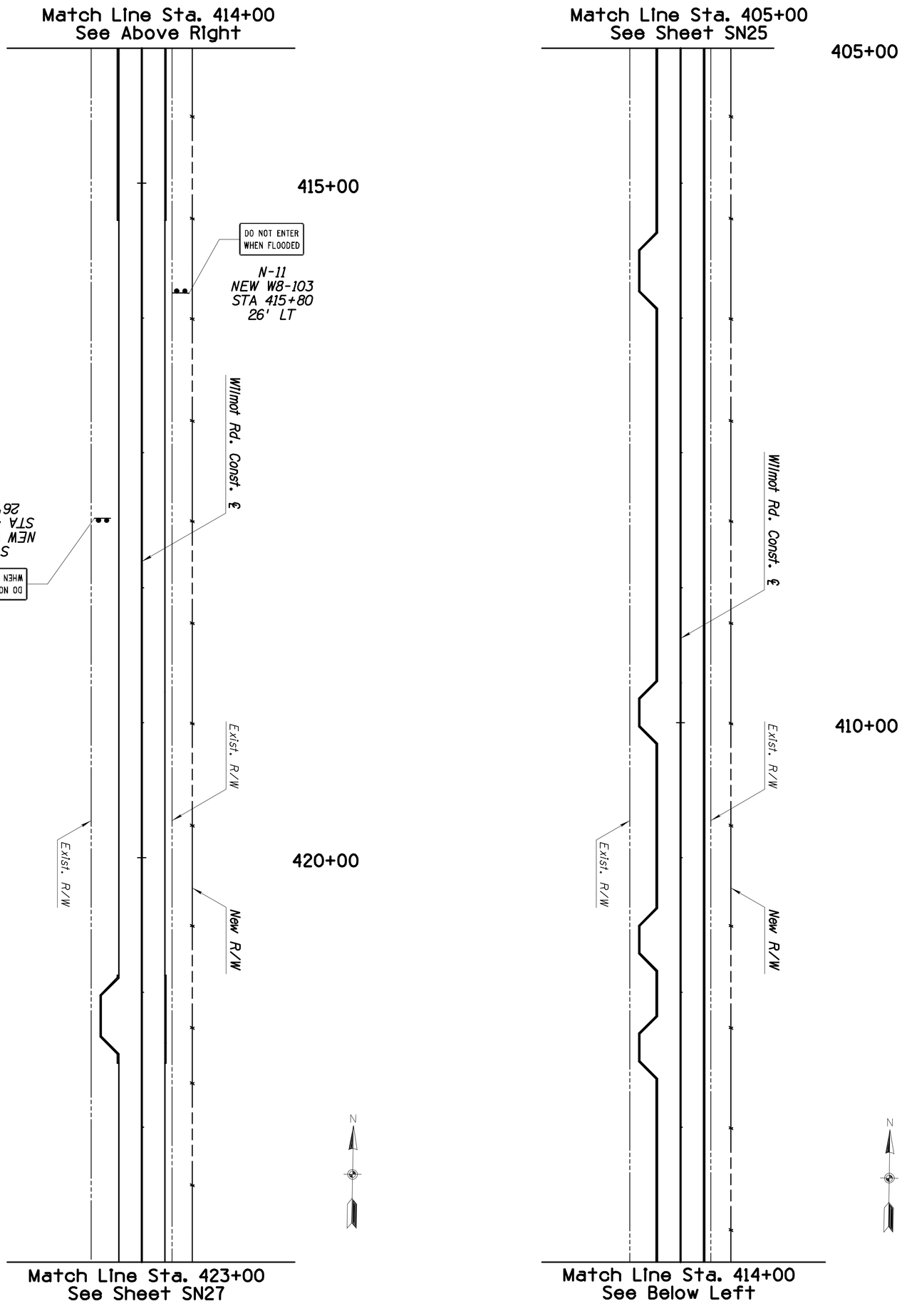
		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

FILE NAME: ...\SN Sheets\4RTWNSsn26.dgn

DATE: 4/16/2016

TIME: 9:47:29 AM

K. Watts



Scale: 1"= 40' Horiz

SCALE: 1"=40'

Sheet SN26 of SN29

Page 115 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 405+00 TO STA. 425+00
PROJECT NO. 4RTWNS

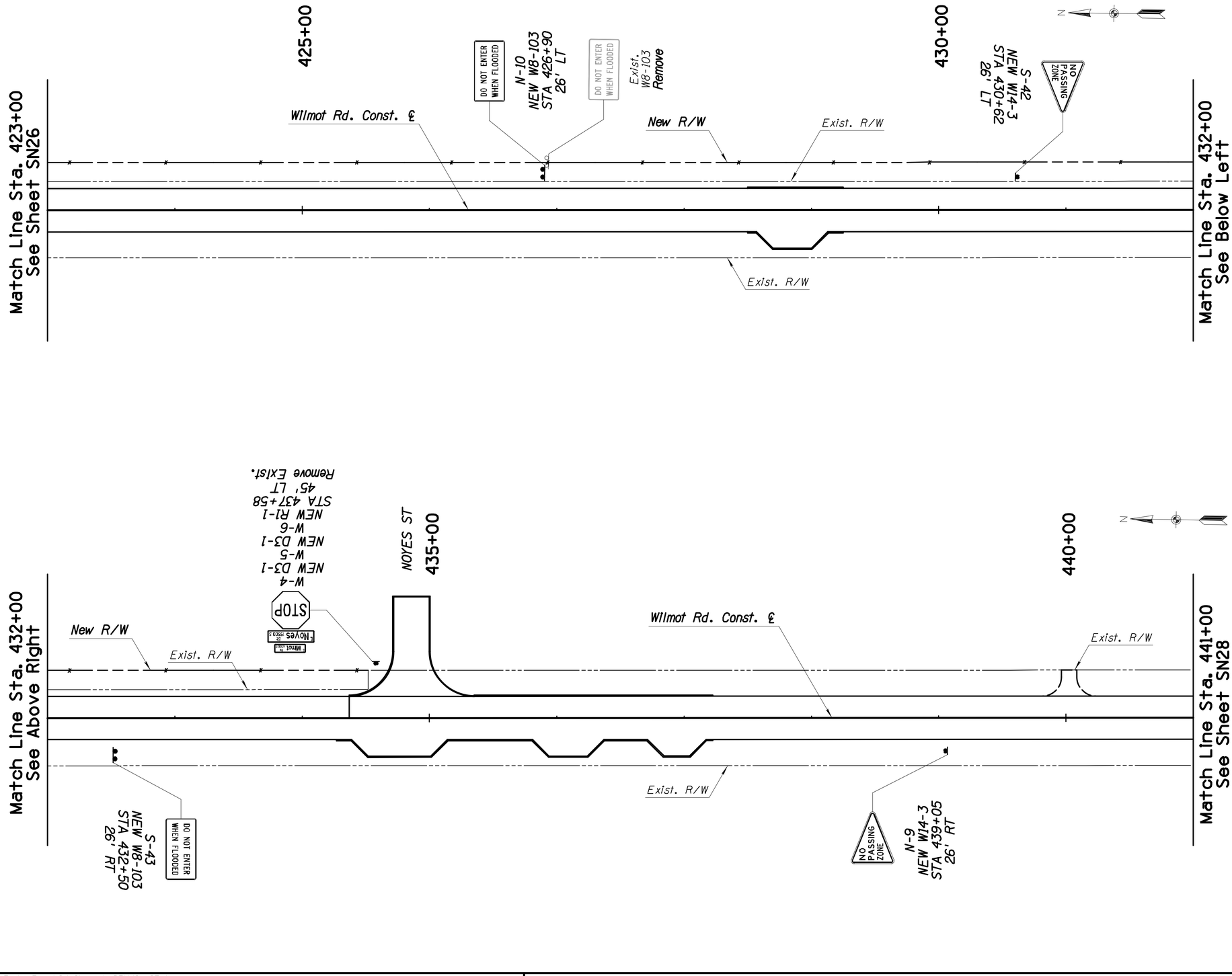
ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D.
SCHLESINGER
Registered Professional Engineer
Certificate No.
Signed
Arizona, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16



Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

Registered Professional Engineer (Civil) Certificate No. 18164 WILLIAM D. SCHLESINGER Date Signed 4/16/16 ARIZONA, U.S.A. EXPIRES 6-30-2016

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

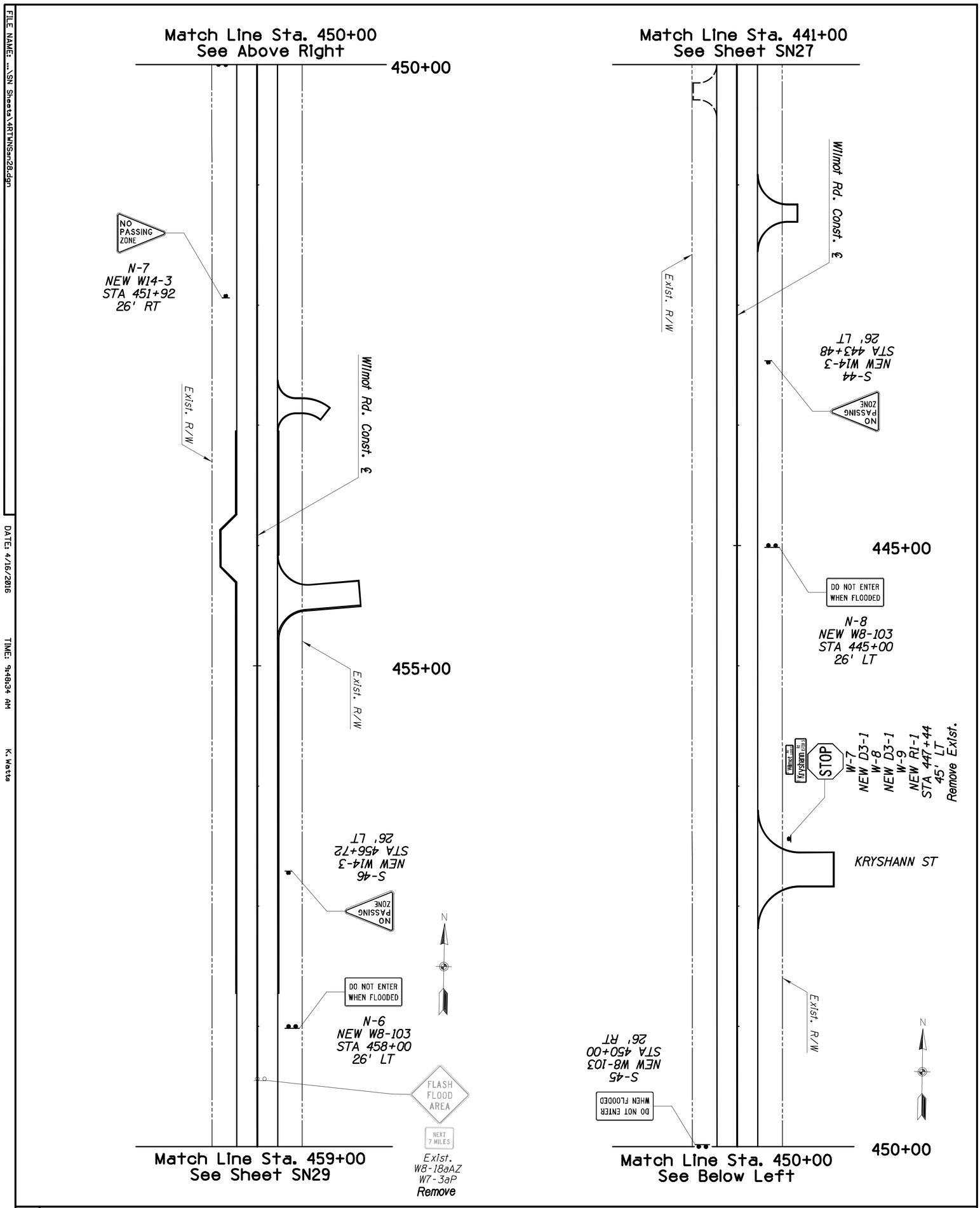
Pima County Department of Transportation

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 423+00 TO STA. 441+00
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet SN27 of SN29	Page 116 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn27.dgn DATE: 4/16/2016 TIME: 9:48:01 AM K. Watts



FILE NAME: ...\SN Sheets\4RTWNSsn28.dgn

DATE: 4/16/2016

TIME: 9:48:34 AM

K. Watts

Scale: 1"= 40' Horiz

Sheet SN28 of SN29

Page 117 of 140

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 441+00 TO STA. 459+00
PROJECT NO. 4RTWNS

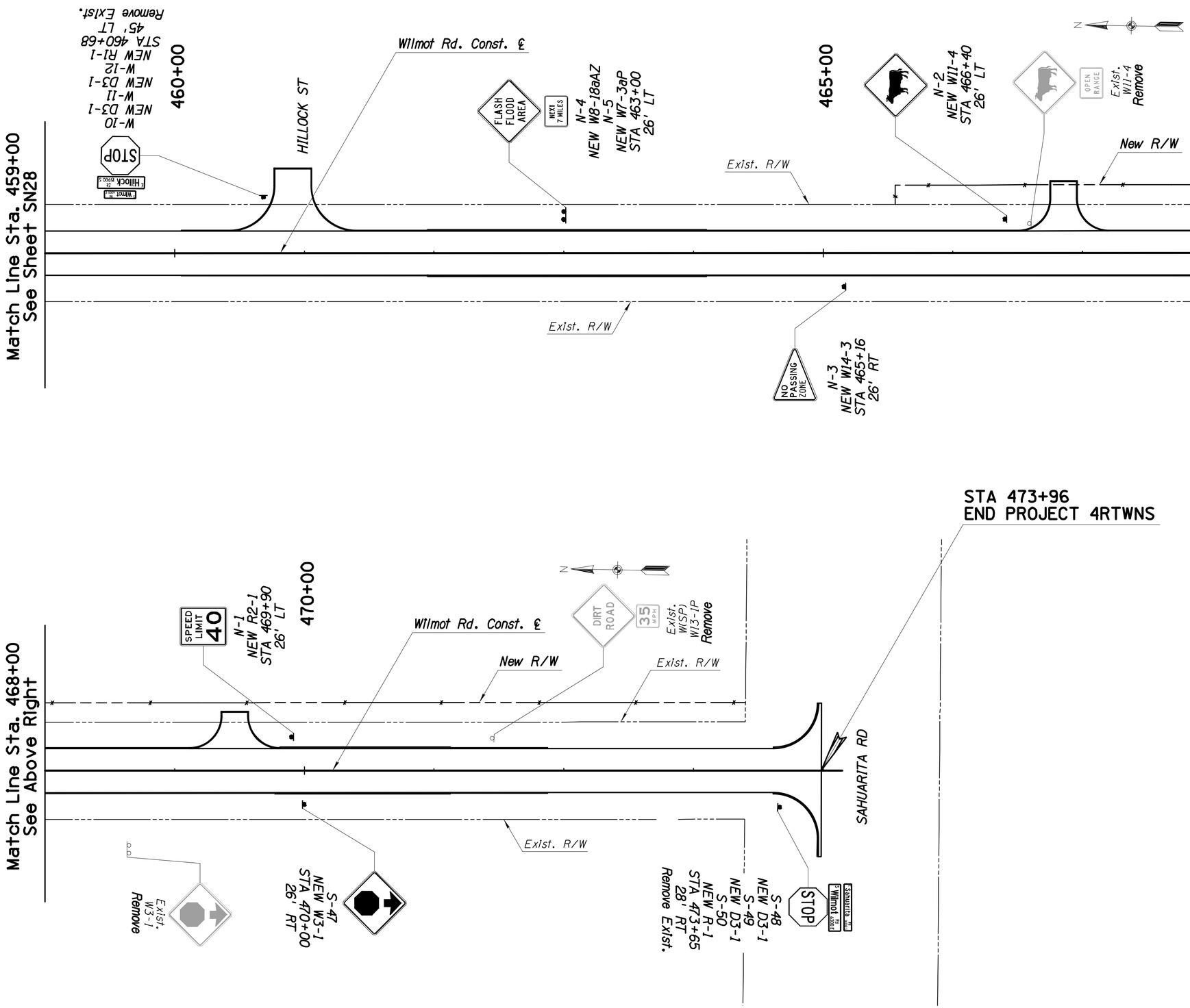
ARIZONA811

SCE ENGINEERING
510 E 4TH STREET
TUCSON, AZ 85705
520-405-7353

18164
WILLIAM D. SCHLESINGER
REGISTERED PROFESSIONAL ENGINEER
ARIZONA, U.S.A.
EXPIRES 6-30-2016

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16



Priscilla S. Cornelio, P.E. Director

No.	Revision Description	Engineer	Date

		Date
Designed	EGM	04/16
Drawn	EGM	04/16
Checked	WDS	04/16
Proj. Engr.	EGM	04/16

SCE ENGINEERING
510 E. 4TH STREET
TUCSON, AZ 85705
520-405-7353

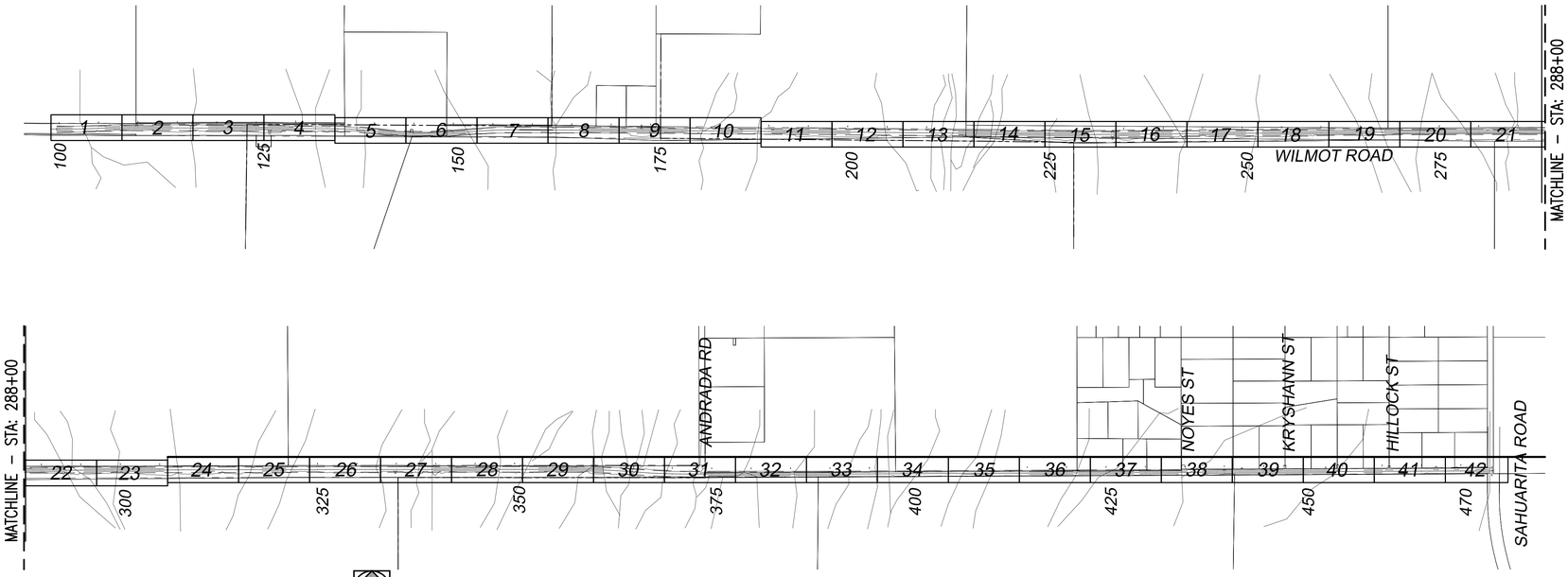
Pima County Department of Transportation

SIGNING PLANS
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STA. 459+00 TO STA. 473+96
PROJECT NO. 4RTWNS

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet SN29 of SN29	Page 118 of 140

FILE NAME: ...\SN Sheets\4RTWNSsn29.dgn DATE: 4/16/2016 TIME: 9:49:17 AM K. Watts



SWPPP AREA KEYMAP

SCALE: 1" = 200'–0"

NORTH

ROCK MULCH SPECIAL –
ROCK MULCH SHALL BE SPREAD TO COVER 70% OF THE GROUND. ROCK MULCH SHALL BE 1–4" SCREENED ANGULAR FRACTURED ROCK MATERIAL. THE MATERIAL SHALL BE SCREENED TO REMOVE ROCK IN ACCORDANCE WITH THE TABLE BELOW.

SIEVE SIZE	PERCENT PASSING
4"	100
3/4"	0–10

COLOR SHALL BE APACHE BROWN

DUMPED RIP RAP –
DUMPED RIP RAP SHALL BE ANGULAR ROCK RIP RAP D50=6" T=1' AND SHALL CONFORM WITH SECTION 913 OF THE STANDARD SPECIFICATIONS

COLOR SHALL BE APACHE BROWN

UPLAND SEED MIX SCHEDULE

DESERT UPLAND SEED MIX

BOTANICAL NAME	COMMON NAME	MINIMUM #/ACRE	MAXIMUM #/ACRE	PURE LIVE SEED (PLS) RATE
SHRUBS AND SUBSHRUBS				
LARREA TRIDENTATE	CREOSOTE	3	4	AT LEAST 2 SPECIES FROM THIS CATEGORY FOR A MINIMUM 2 PLS/ACRE.
ATRIPLEX CANESCENS	FOURWING SALTBUSH	1/2	1	
ENCELIA FARINOSA	BRITTLEBUSH	1/2	1	
ERIOGONUM FASCICULATUM VAR. POLIFOLIUM	ARIZONA SHRUBBY BUCKWHEAT	1/2	1	
GUTIERREZIA SAROTHRAE	SNAKEWEED	1/4	1/2	
SMALL PERENIALS AND ANNUAL HERBS				
BAILEYA MULTIRADIATA	DESERT MARIGOLD	1	2	AT LEAST 10 SPECIES FROM THIS CATEGORY FOR A MINIMUM 10 PLS/ACRE.
ESCHSCHOLZIA CALIFORNICA SSP. MEXICANA	MEXICAN GOLDPOPPY	1	3	
LESQUERELLA GORDONI	GORDON BLADDERPOD	1	2	
LUPINUS SPARSIFLORUS	DESERT LUPINE	1	2	
PHACELIA DISTANS	PHACELIA	1	2	
PLANTAGO OVATA, P. PATAGONICA	INDIAN WHEAT	2	4	
SALVIA COLUMBRIAE	CHIA	1/2	1	
SENNA COVESII	DESERT SENNA	1	3	
SPHAERALCEA SPP. (S. AMBIGUA S. LAXA AND/OR S. EMORYI)		1	2	
VERBENA GOODDINGII	GOODING'S VERBENA	1/2	1	
ZINNIA ACEROSA (ZINNIA PUMILA)	DESERT ZINNIA	1/2	1	
GRASSES				
ARISTIDA PURPUREA	PURPLE THREEAWN	1	2	AT LEAST 7 SPECIES FROM THIS CATEGORY FOR A MINIMUM 7 PLS/ACRE.
BOUTELOUA ARISTIDOIDES	NEEDLE GRAMA	1	2	
BOUTELOUA BARBATA	SIXWEEKS GRAMA	1/2	1	
BOUTELOUA CURTIPENDULA	SIDEOATS GRAMA	1	2	
BOUTELOUA ROTHROCKII	ROTHROCK GRAMA	1/2	1	
DIGITARIA CALIFORNICA	AZ COTTONTOP	1/2	1	
MUHLENBERGIA PORTERI	BUSH MUHLY	1/4	1/2	
SETARIA MACROSTACHYA	PLAINS BRISTLEGRASS	1	2	

XERORIPARIAN SEED MIX SCHEDULE

XERORIPARIAN SEED MIX

BOTANICAL NAME	COMMON NAME	MINIMUM #/ACRE	MAXIMUM #/ACRE	PURE LIVE SEED (PLS) RATE
TREES AND LARGE SHRUBS				
ACACIA CONSTRICTA	WHITETHORN ACACIA	1/2	1	AT LEAST 7 SPECIES FROM THIS CATEGORY FOR A MINIMUM 5 PLS/ACRE.
ACACIA GREGGII	CATCLAW ACACIA	1	2	
CELTIS PALLIDA	DESERT HACKBERRY	2	3	
CHILOPSIS LINEARIS	DESERT WILLOW	1/2	1	
LARREA TRIDENTATE	CREOSOTE	2	4	
PARKINSONIA FLORIDUM	BLUE PALO VERDE	2	3	
PROSOPIS PUBESCENS	SCREWBEAN MESQUITE	1/4	1/2	
PROSOPIS VELUTINA	VELVET MESQUITE	1/4	1/2	
SHRUBS				
ATRIPLEX CANESCENS	FOURWING SALTBUSH	1/2	1	AT LEAST 4 SPECIES FROM THIS CATEGORY FOR A MINIMUM 4 PLS/ACRE.
ATRIPLEX POLYCARPA	DESERT SALTBUSH	1/4	1/2	
CALLIANDRA ERIOPHYLLA	FAIRY DUSTER	1	2	
ENCELIA FARINOSA	BRITTLEBUSH	1/2	1	
HYMENOCLEA SALISOLA	COMMON BURROBRUSH	1/2	1	
LYCIUM SPP.	WOLFBERRY	1/2	1	
FORBS AND SUBSHRUBS				
BAILEYA MULTIRADIATA	DESERT MARIGOLD	1	2	AT LEAST 12 SPECIES FROM THIS CATEGORY FOR A MINIMUM 9 PLS/ACRE.
DYSSODIA SPP.	DYSSODIA	1/4	1/2	
ERIOGONUM FASCICULATUM VAR. POLIFOLIUM	ARIZONA SHRUBBY BUCKWHEAT	1/2	1	
GLANDULARIA (VERBENA) GOODDINGII	GOODDING'S VERBENA	1/2	1	
KALLSTROEMIA GRANDIFLORA	ARIZONA POPPY	1	2	
LUPINUS ARIZONICUS	ARIZONA LUPINE	1	2	
PENSTEMON PARRYI	PARRY'S PENSTEMON	1/2	1	
PHACELIA CAMPANULARIA	DESERT BLUEBELL	1	2	
SALVIA COLUMBRIAE	CHIA	1/2	1	
SENNA COVESII	DESERT SENNA	1	2	
SPHAERALCEA SPP. (S. AMBIGUA S. LAXA AND/OR S. EMORYI)		1	2	
GRASSES				
ARISTIDA PURPUREA	PURPLE THREEAWN	1	2	AT LEAST 9 SPECIES FROM THIS CATEGORY FOR A MINIMUM 9 PLS/ACRE.
BOUTELOUA ARISTIDOIDES	NEEDLE GRAMA	1	2	
BOUTELOUA BARBATA	SIXWEEKS GRAMA	1/2	1	
BOUTELOUA CURTIPENDULA	SIDEOATS GRAMA	1	2	
BOUTELOUA ROTHROCKII	ROTHROCK GRAMA	1/2	1	
DIGITARIA CALIFORNICA	AZ COTTONTOP	1/2	1	
ERAGROSTIS INTERMEDIA	PLAINS LOVEGRASS	1/2	1	
LEPTOCHLOA DUBIA	GREEN SPRANGLE TOP	1/2	1	
MUHLENBERGIA PORTERI	BUSH MUHLY	1/4	1/2	
SPOROBOLUS CRYPTANDRUS	SAND DROPSEED	1/4	1/2	

SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE –IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

	Date
Designed	DDS 04/16
Drawn	FJB 04/16
Checked	SRM 04/16
Proj. Engr.	DDS 04/16

LANDSCAPE ARCHITECT — 48751 DARLENE D. SMYTHE — REGISTERED — Expires 10/31/2017

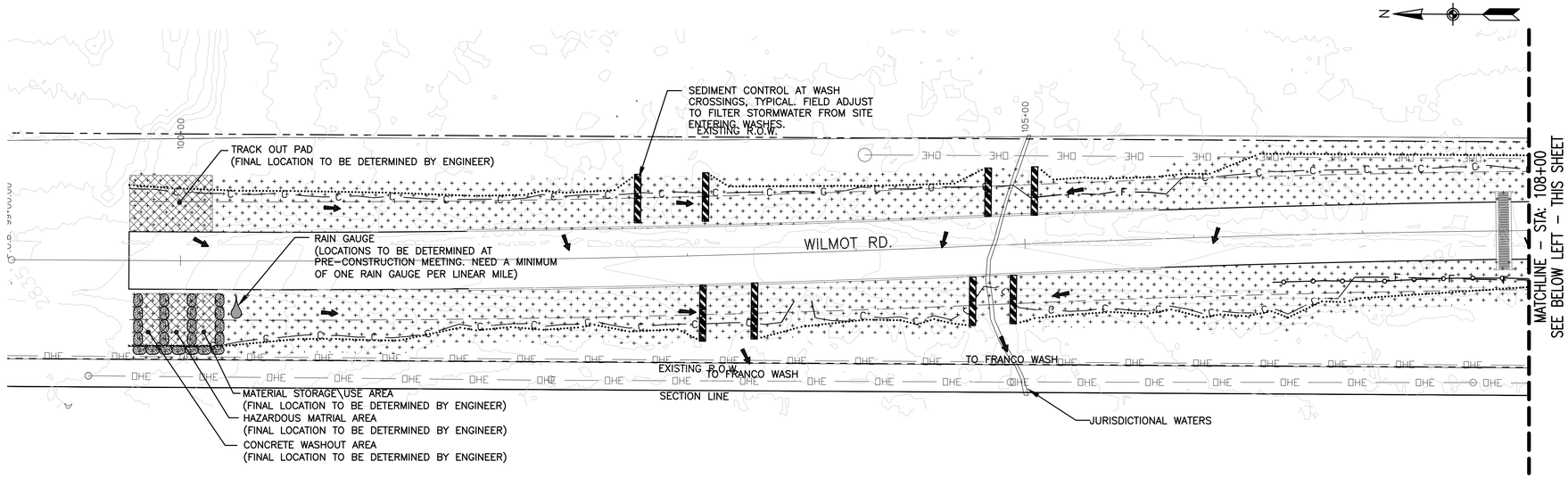
McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

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

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
FOR EROSION PREVENTION
AND SEDIMENT CONTROL
PLAN
B.O.P. TO STA 117+00

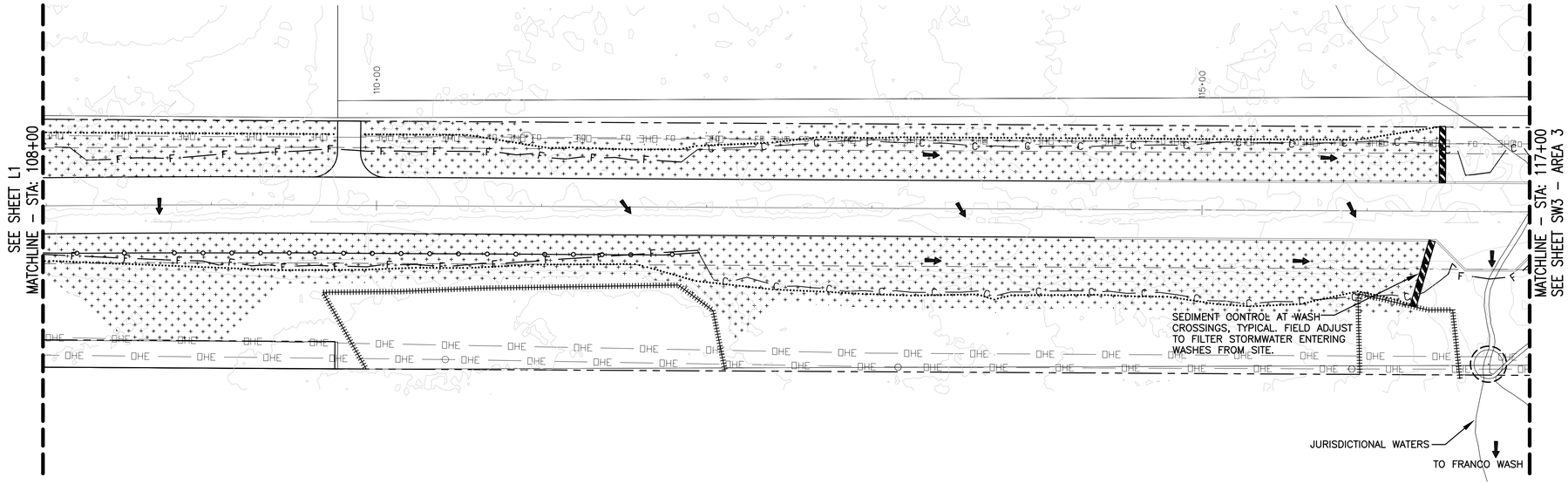
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet SW1 of SW22	Page 119 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 1 – BEGINNING OF PROJECT TO STA: 108+00

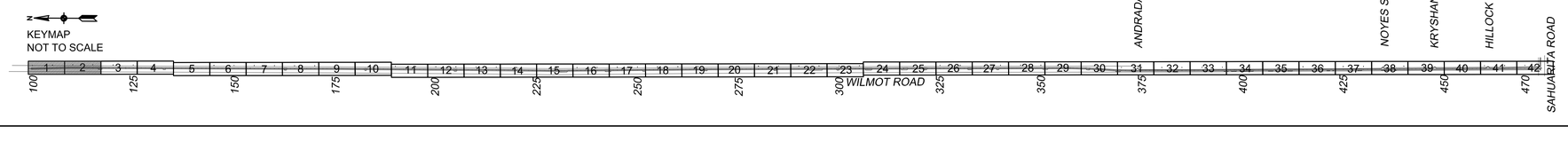
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 2 – STA: 108+00 TO 117+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	549 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	315 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	DDS	FJB	SRM	DDS
	04/16	04/16	04/16	04/16

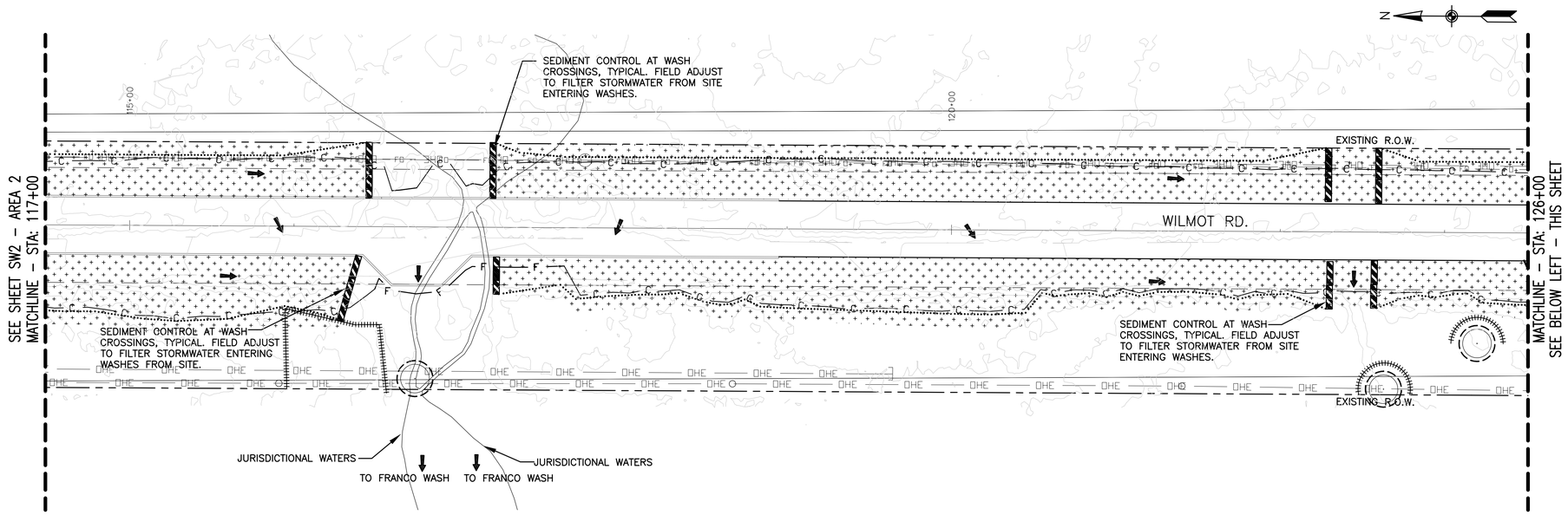
McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

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

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STORMWATER POLLUTION PROTECTION PLAN
B.O.P. TO STA: 117+00

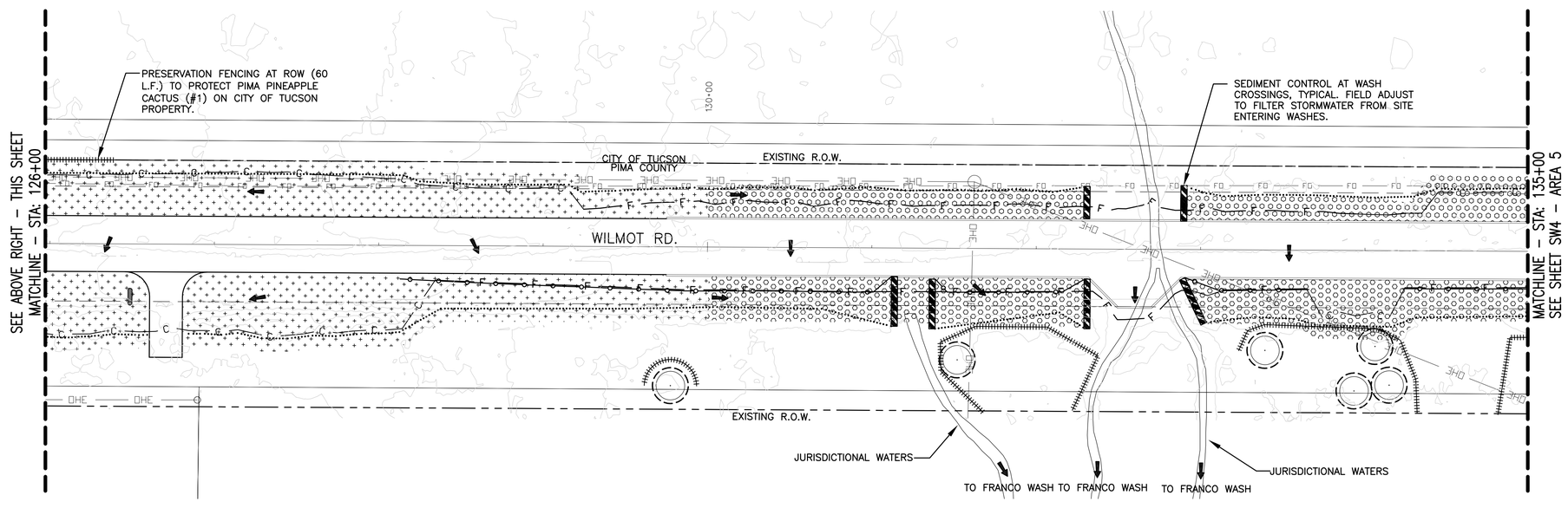
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW2 of SW22 | Page 120 of 140



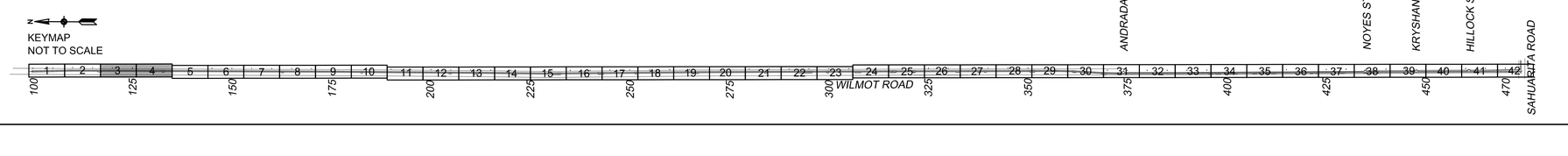
STORMWATER POLLUTION PROTECTION PLAN – AREA 3 – STA: 117+00 TO STA: 126+00

SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 4 – STA: 126+00 TO 135+00

SCALE: 1" = 40'-0"



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	552 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	10 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	344 L.F.

Priscilla S. Cornella, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	PJB	SRM	DDS

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

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

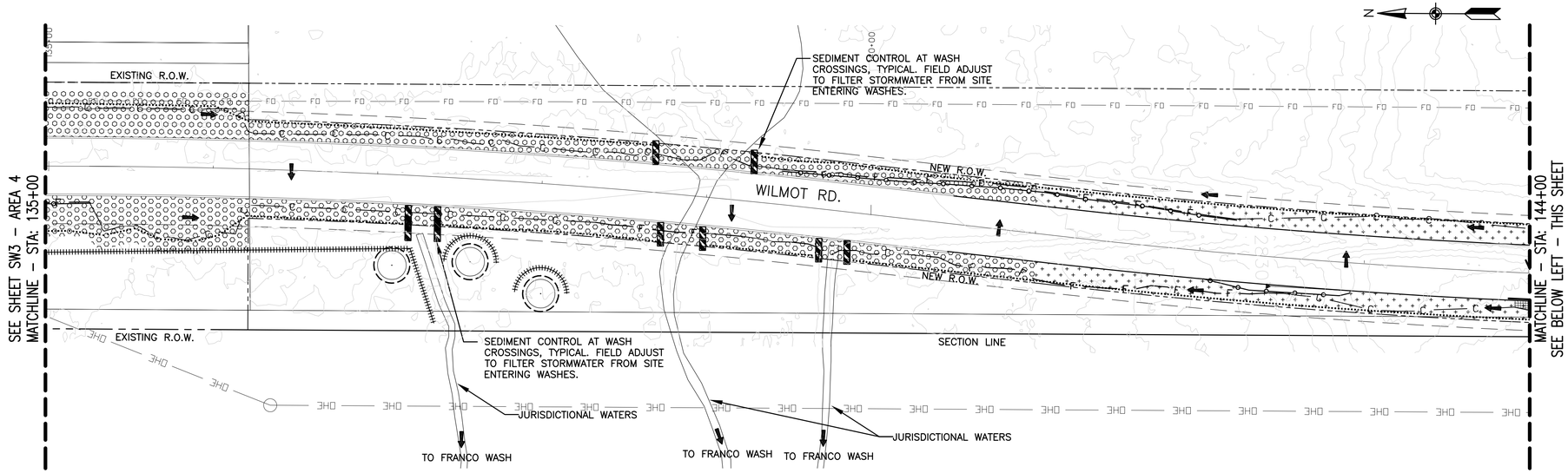
LANDSCAPE ARCHITECT STATE OF ARIZONA 40751 DARLENE D. MCGANN Registered Professional Expires 10/31/2017

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 117+00 TO STA: 135+00

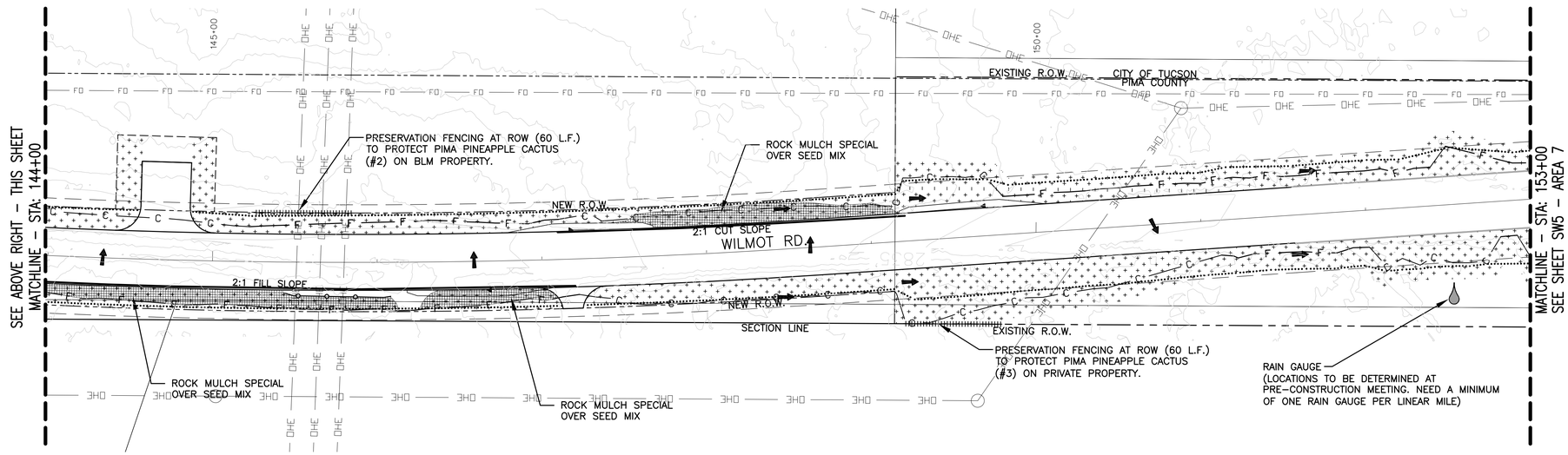
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW3 of SW22 | Page 121 of 140



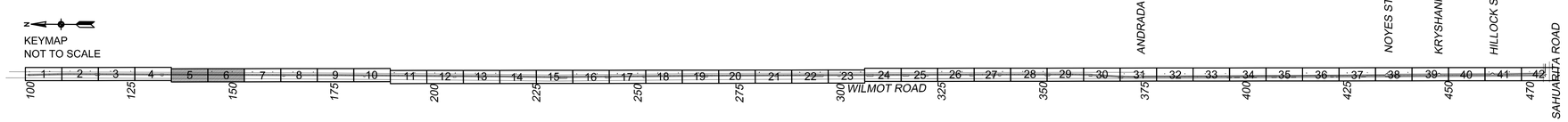
STORMWATER POLLUTION PROTECTION PLAN – AREA 5 – STA: 135+00 TO STA: 144+00

SCALE: 1" = 40'–0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 6 – STA: 144+00 TO 153+00

SCALE: 1" = 40'–0"



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE –IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	461 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	126 L.F.

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

	Date
Designed	DDS 04/16
Drawn	PJB 04/16
Checked	SRM 04/16
Proj. Engr.	DDS 04/16

No.	Revision Description	Engineer	Date

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

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

REGISTERED LANDSCAPE ARCHITECT 48751 DARLENE D. SWANSON Expires 10/31/2017

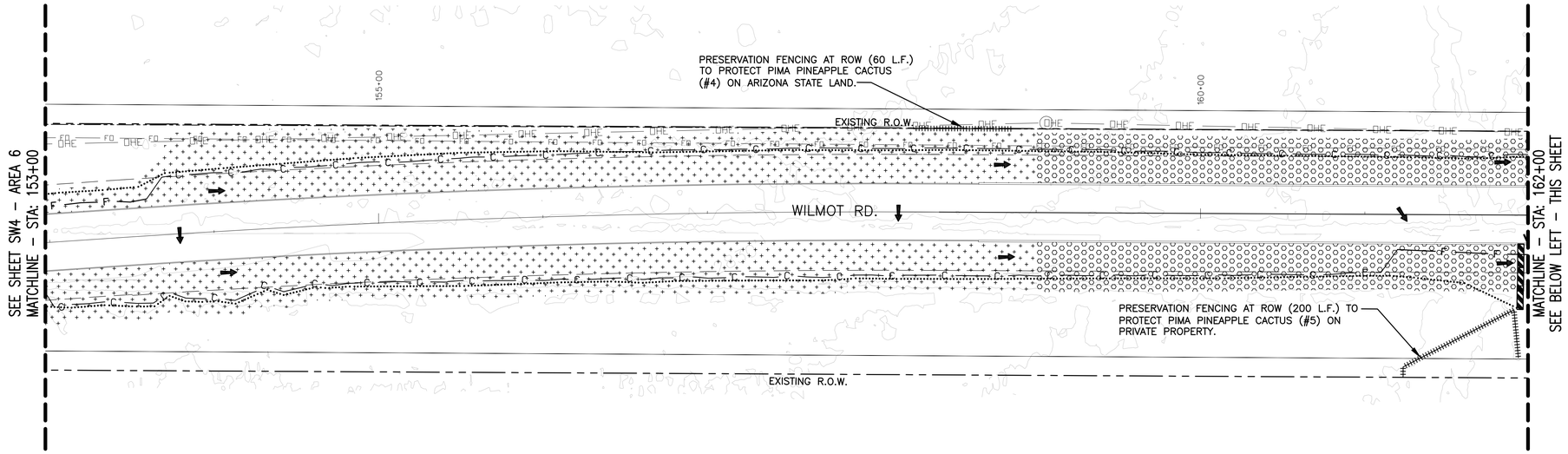
SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 135+00 TO STA: 153+00

NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

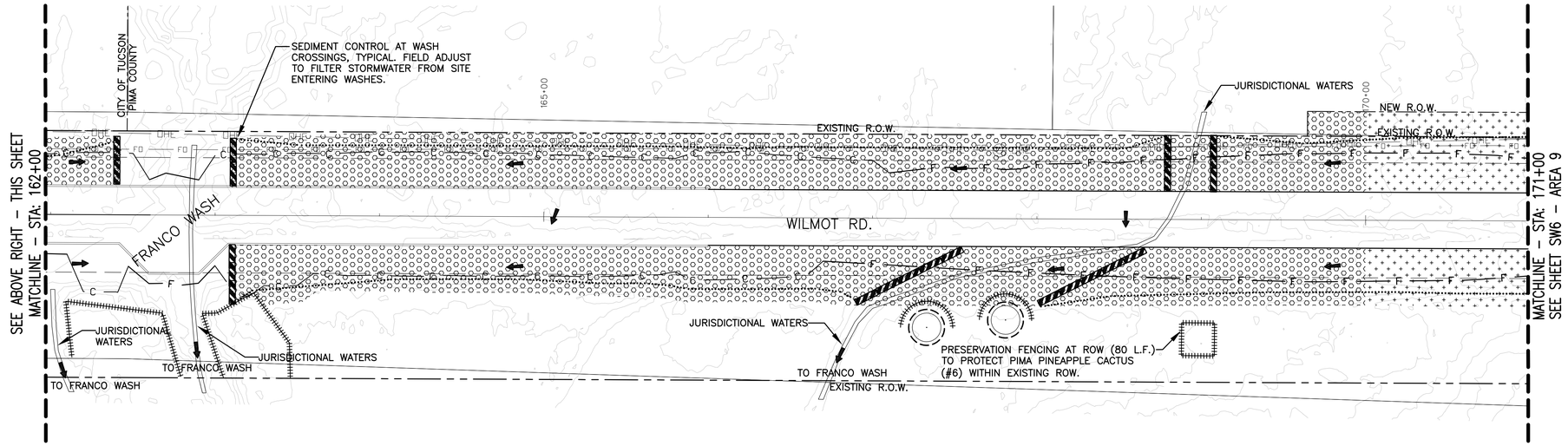
WILMOT ROAD IMPROVEMENTS, NORTH

Scale:	1"= 40' Horiz	Sheet SW4 of SW22	Page122 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 7 – STA: 153+00 TO STA: 162+00

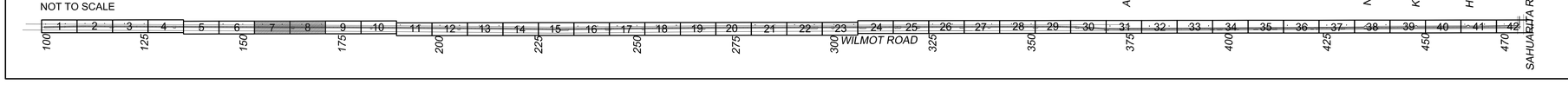
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 8 – STA: 162+00 TO 171+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	42 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	349 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	FJB	SRM	DDS

LANDSCAPE ARCHITECT
STATE OF ARIZONA
45751
DARLENE D. MCGANN
Date Signed 10/31/2017
Expires 10/31/2019

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9040 Fax: (520) 297-9545

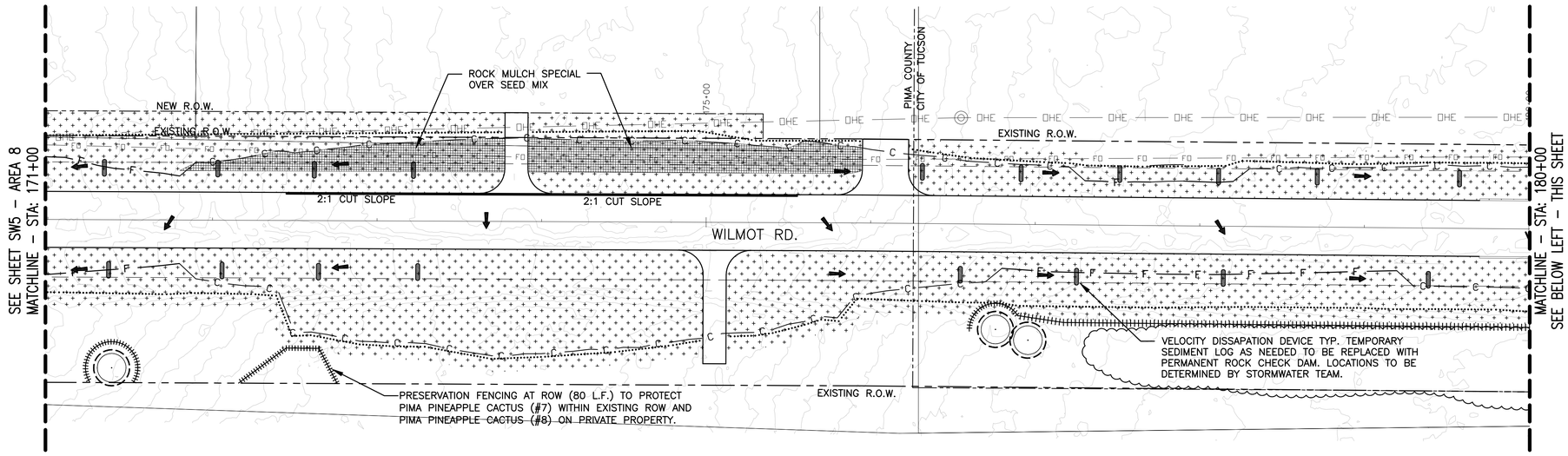
Arizona Blue Stake
1-800-STAKE-IT
1-800-782-5348
Call two working days before you dig

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

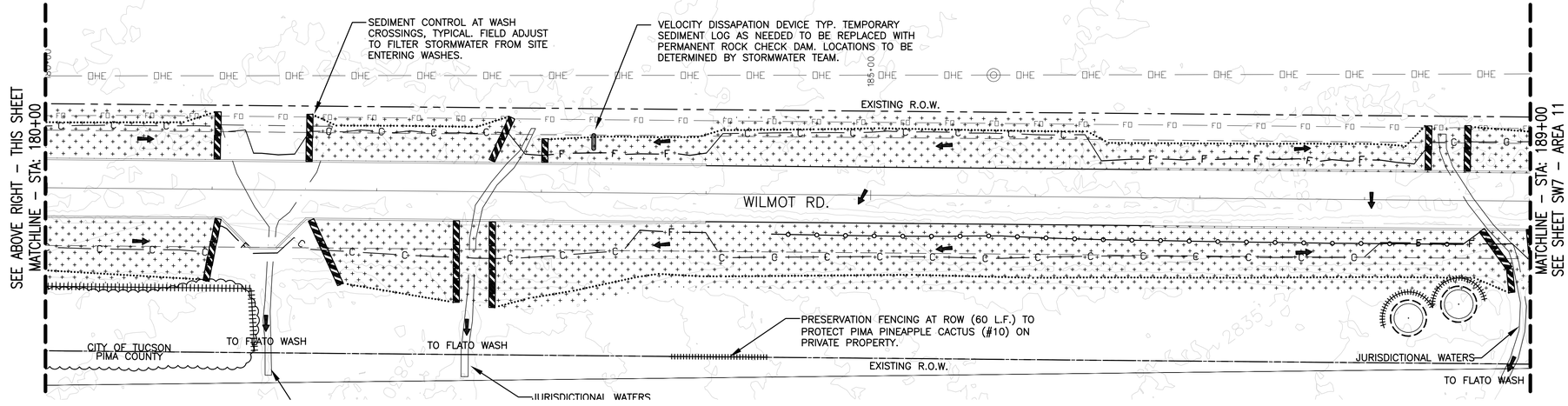
STORMWATER POLLUTION PROTECTION PLAN
STA: 153+00 TO STA: 162+00

Scale:	1"= 40' Horiz	Sheet SW5 of SW22	Page123 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 9 – STA: 171+00 TO STA: 180+00

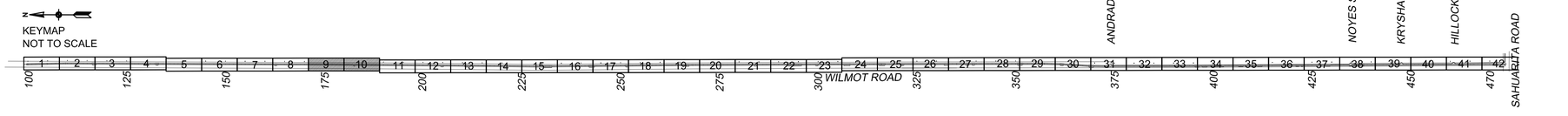
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 10 – STA: 180+00 TO 189+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE ~IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	432 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	190 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	382 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	PJB	SRM	DDS

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

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

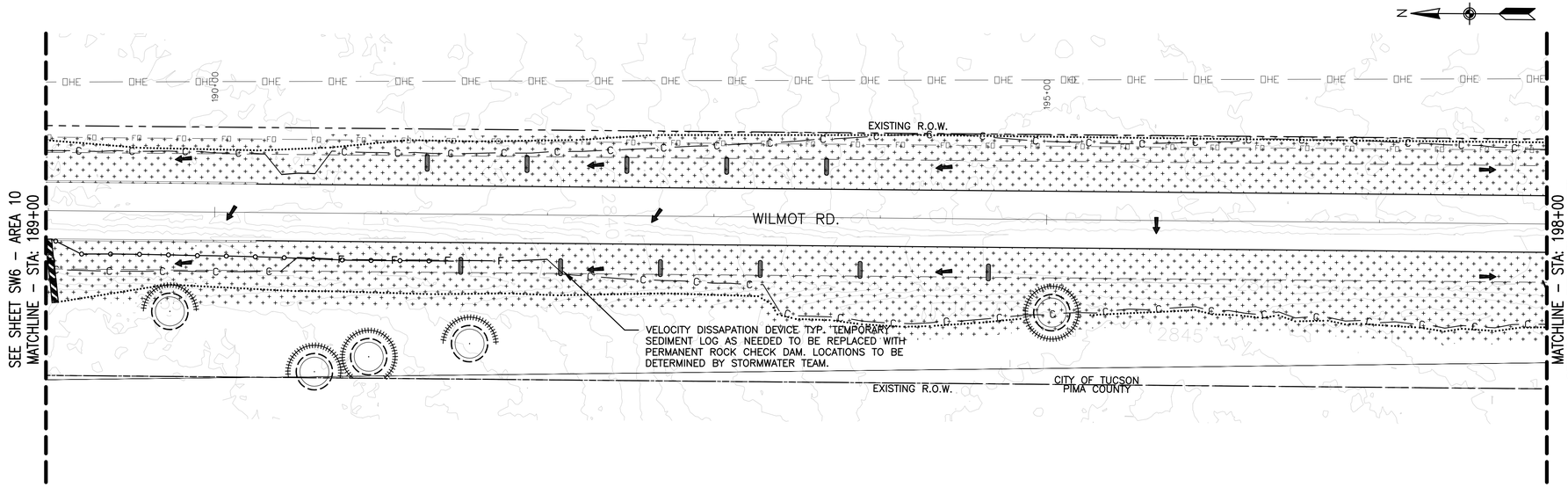
LANDSCAPE ARCHITECT 45751 DARLENE D. MCGANN Registered Professional Expires 10/31/2017

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 171+00 TO STA: 189+00

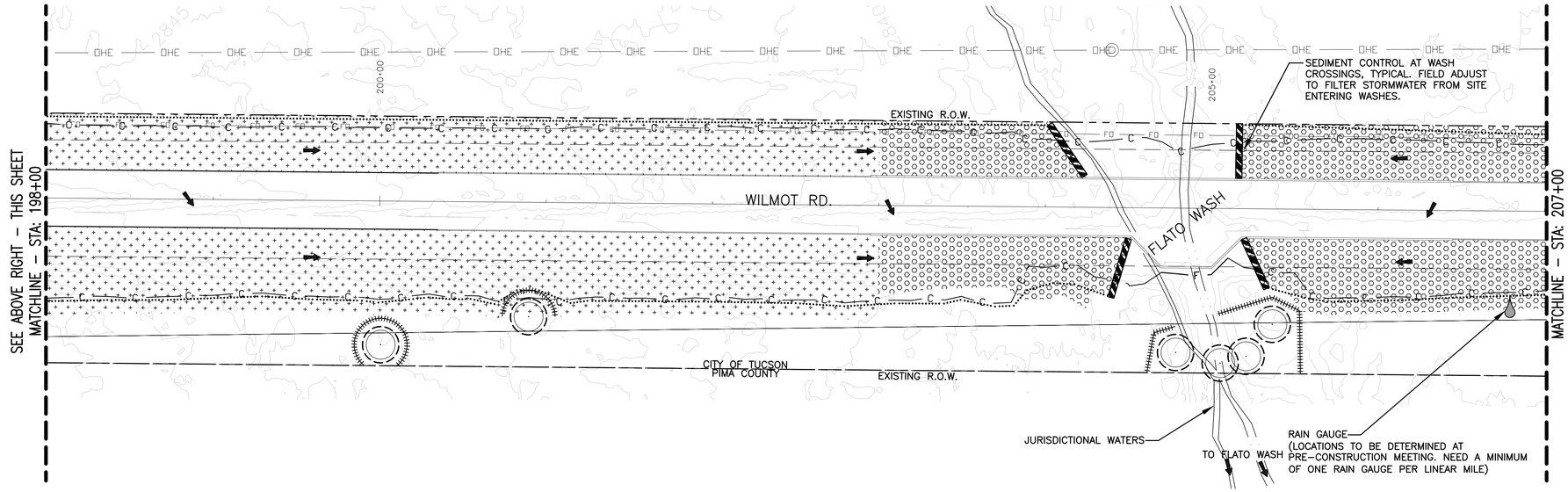
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW6 of SW22 | Page 124 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 11 – STA: 189+00 TO STA: 198+00

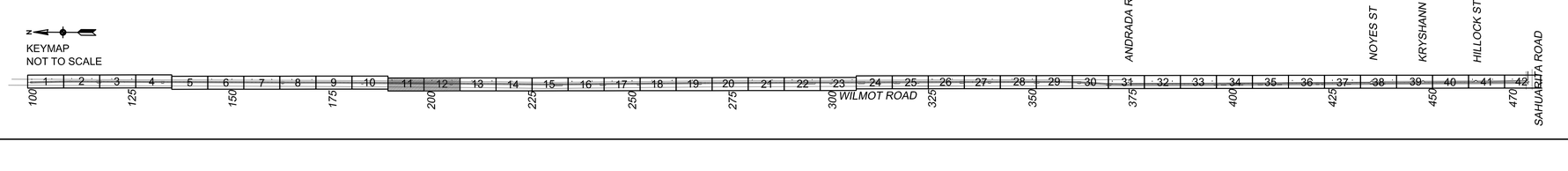
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 12 – STA: 198+00 TO 207+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE ~IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	244 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	110 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	179 L.F.

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

Designed	DDS	04/16
Drawn	FJB	04/16
Checked	SRM	04/16
Proj. Engr.	DDS	04/16

No.	Revision Description	Engineer	Date

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-9845

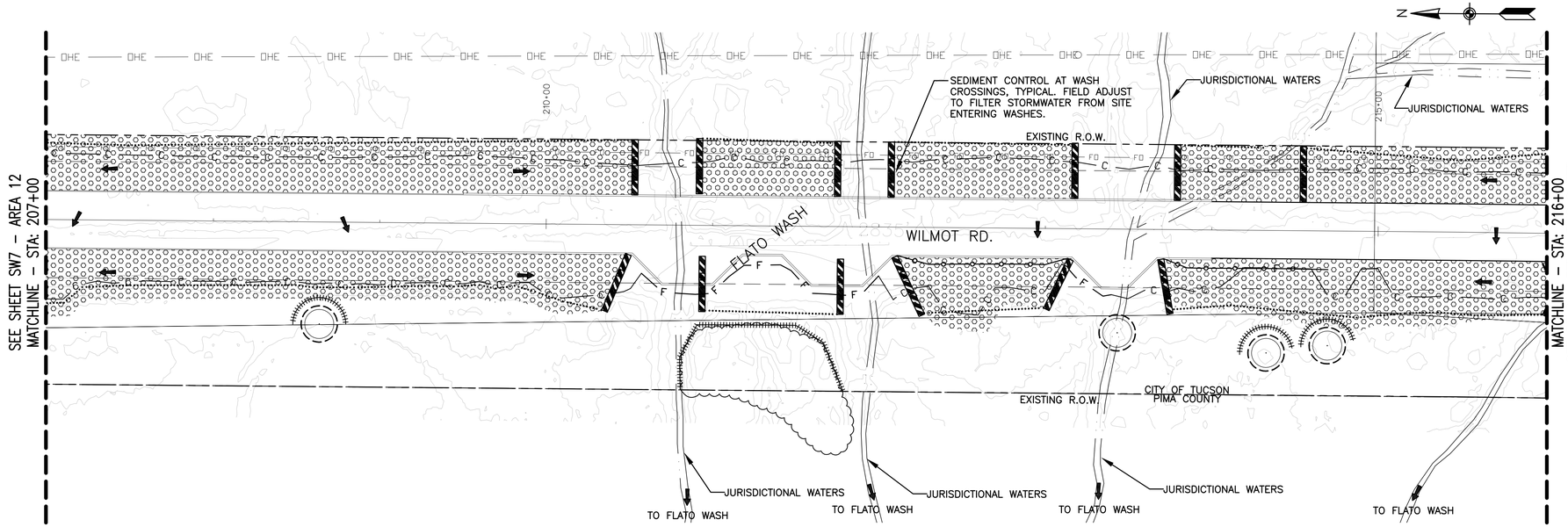
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 189+00 TO STA 207+00

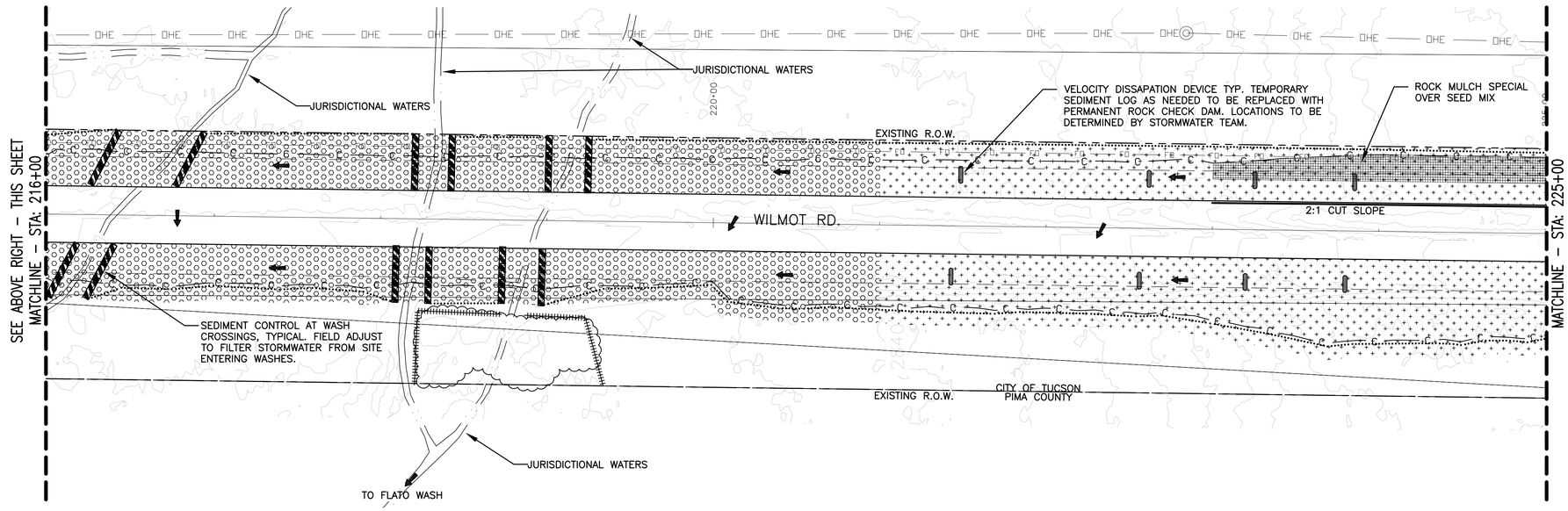
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW7 of SW22 | Page125 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 13 – STA: 207+00 TO STA: 216+00

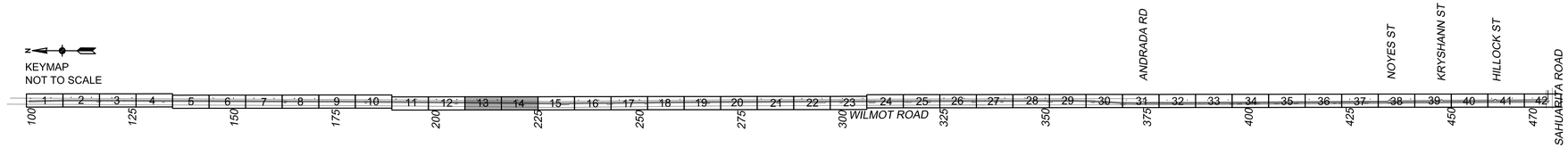
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 14 – STA: 216+00 TO 225+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE ~IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	204 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	80 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	855 L.F.

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

No.	Revision Description	Engineer	Date

		Date
Designed	DDS	04/16
Drawn	PJB	04/16
Checked	SRM	04/16
Proj. Engr.	DDS	04/16

REGISTERED LANDSCAPE ARCHITECT 46751 DARLENE D. SWANSON Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

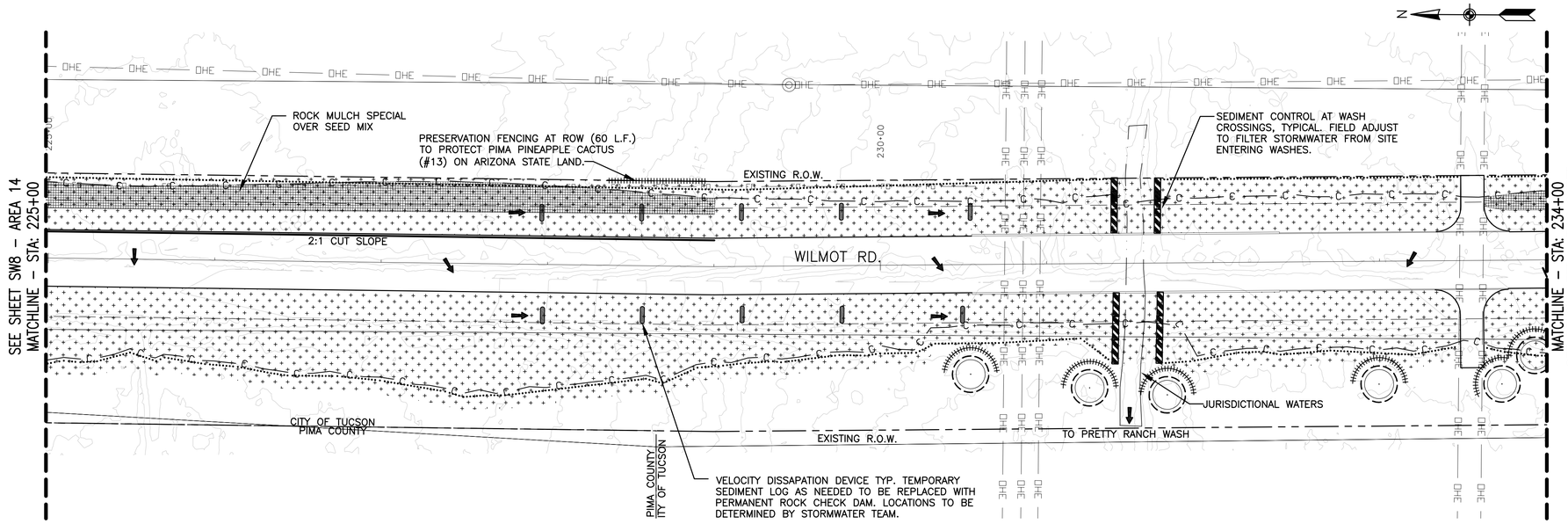
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348 Call Two Working Days Before You Dig

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 207+00 TO STA: 225+00

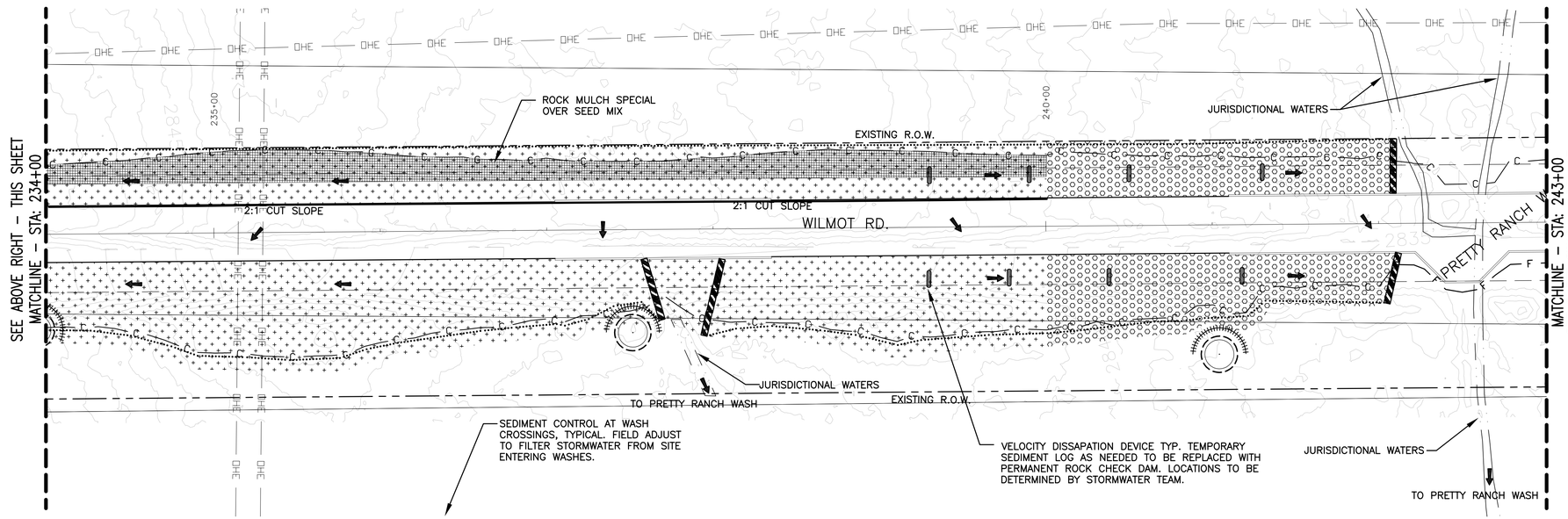
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet SW8 of SW22	Page 126 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 15 – STA: 225+00 TO STA: 234+00

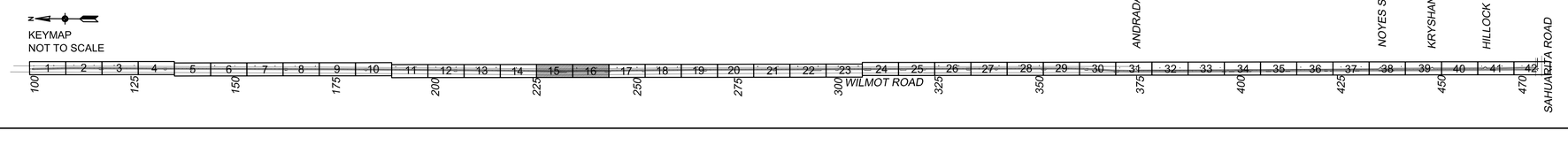
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 16 – STA: 234+00 TO 243+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	180 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	312 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	FJB	SRM	DDS

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

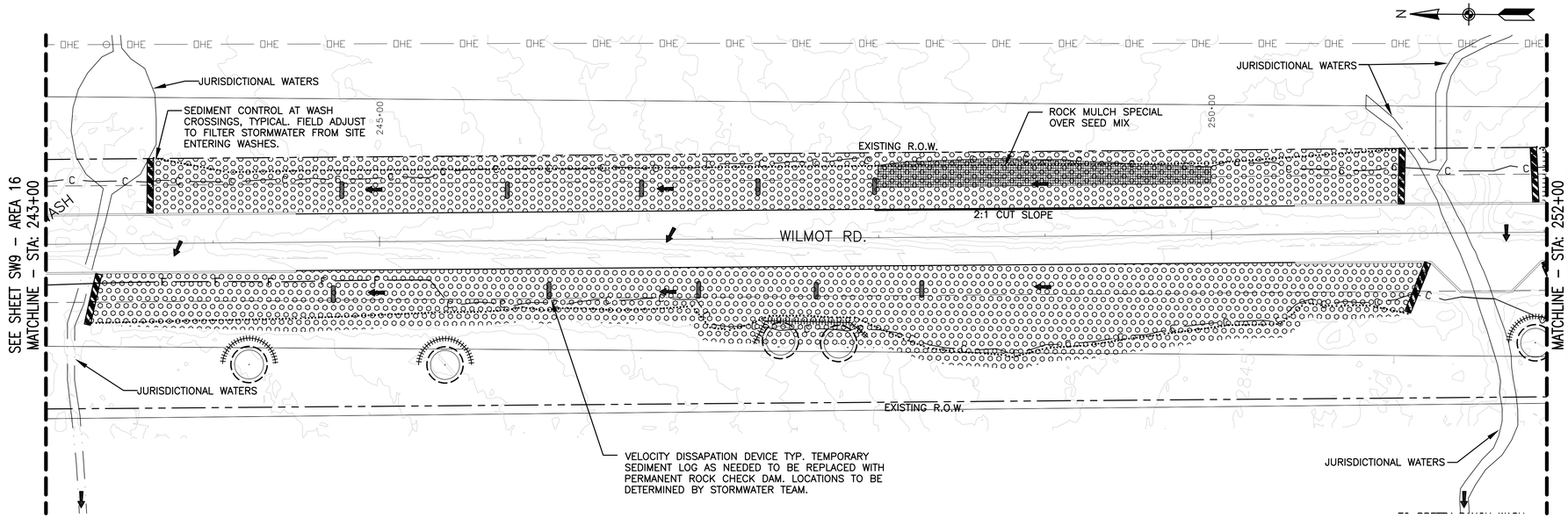
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 225+00 TO STA 243+00

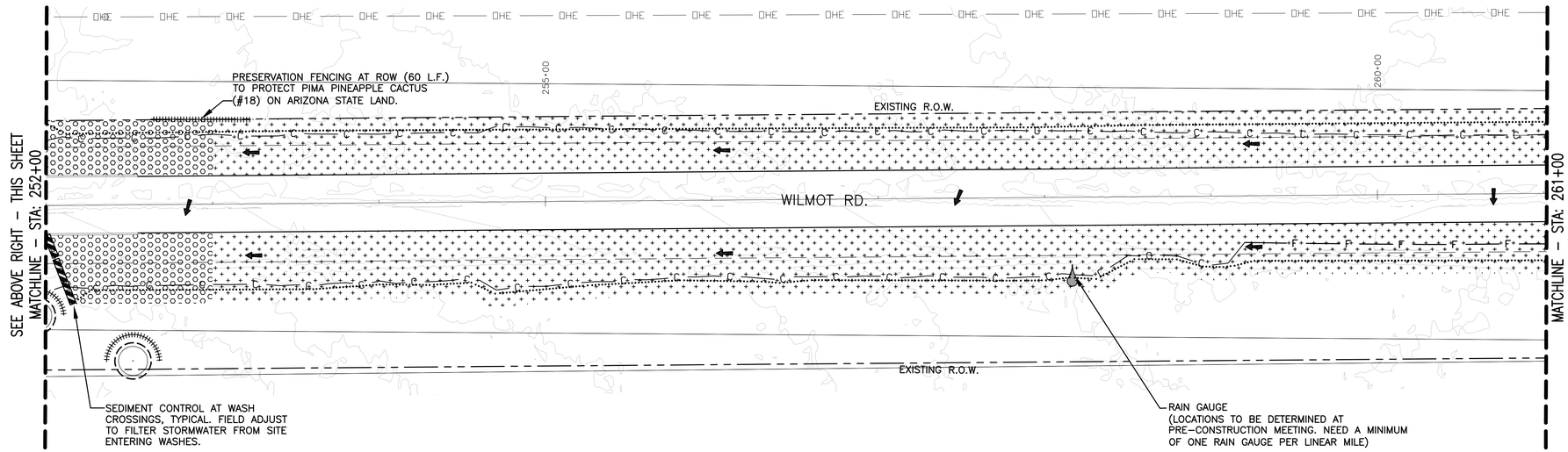
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW9 of SW22 | Page 127 of 140



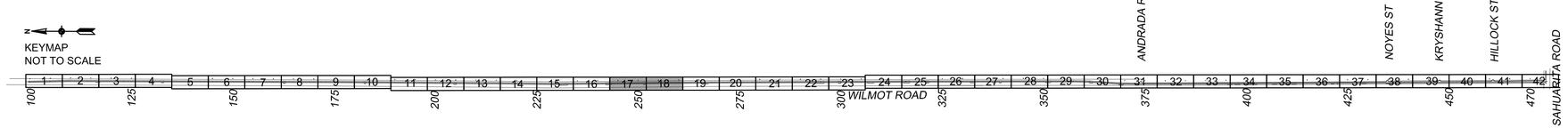
STORMWATER POLLUTION PROTECTION PLAN – AREA 17 – STA: 243+00 TO STA: 252+00

SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 18 – STA: 252+00 TO 261+00

SCALE: 1" = 40'-0"



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE =IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	100 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	206 L.F.

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	FJB	SRM	DDS

LANDSCAPE ARCHITECT — 48751 D. DANIELLE BONINE — Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9545 Fax: (520) 297-9545

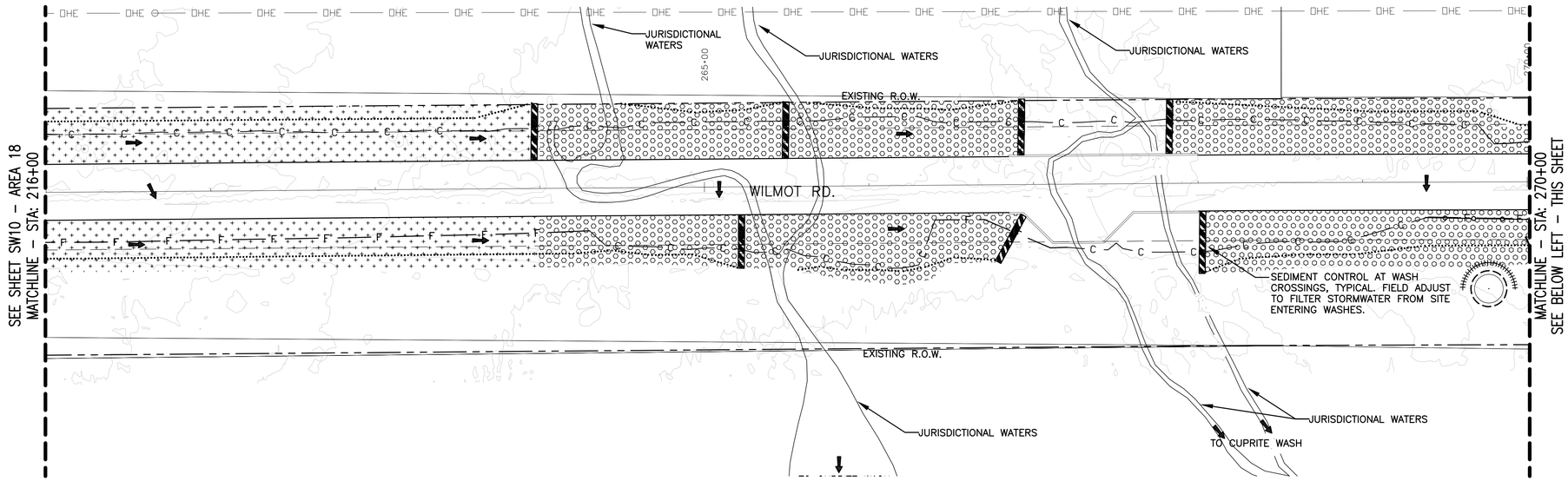
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

~~EROSION AND SEDIMENT CONTROL~~ STORMWATER POLLUTION PROTECTION PLAN
STA: 243+00 TO STA: 261+00

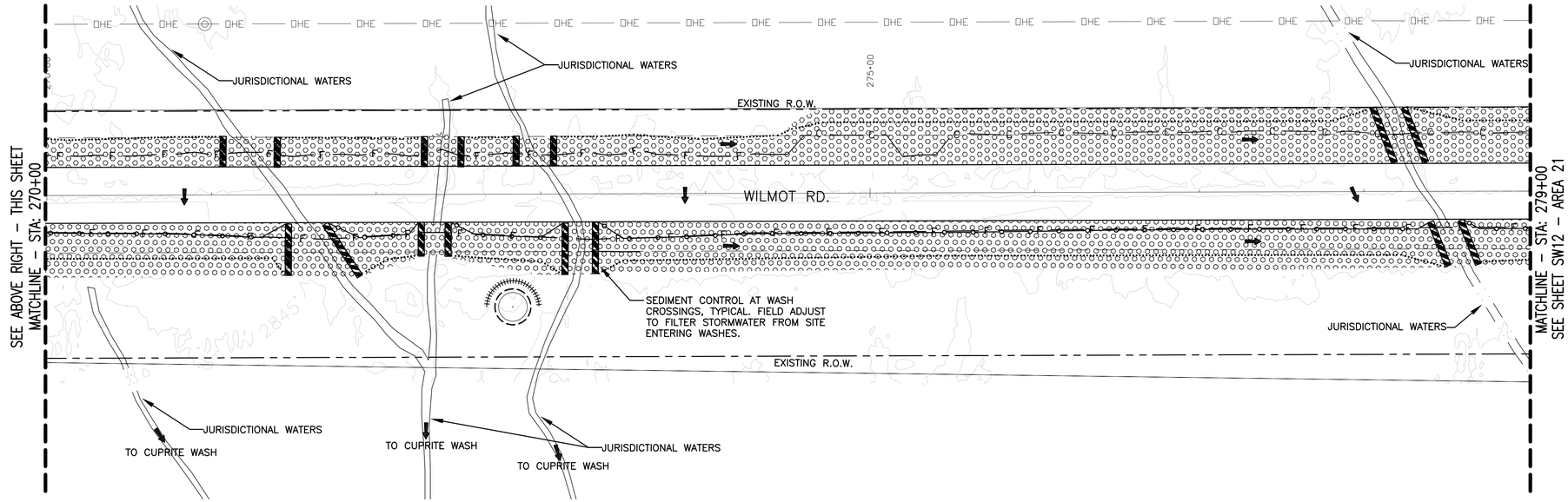
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale:	1"= 40' Horiz	Sheet SW10 of SW22	Page 128 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 19 – STA: 261+00 TO STA: 270+00

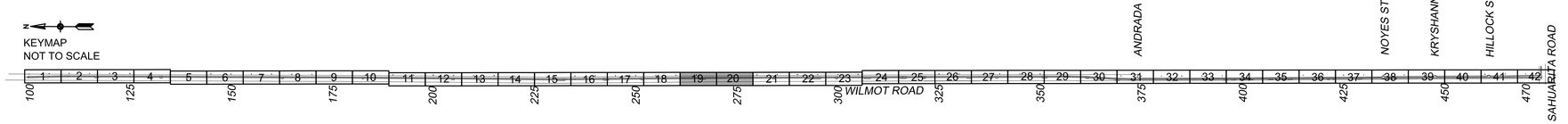
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 20 – STA: 270+00 TO 279+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE ~IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	886 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	648 L.F.

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	DDS	PJB	SRM	DDS
	04/16	04/16	04/16	04/16

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

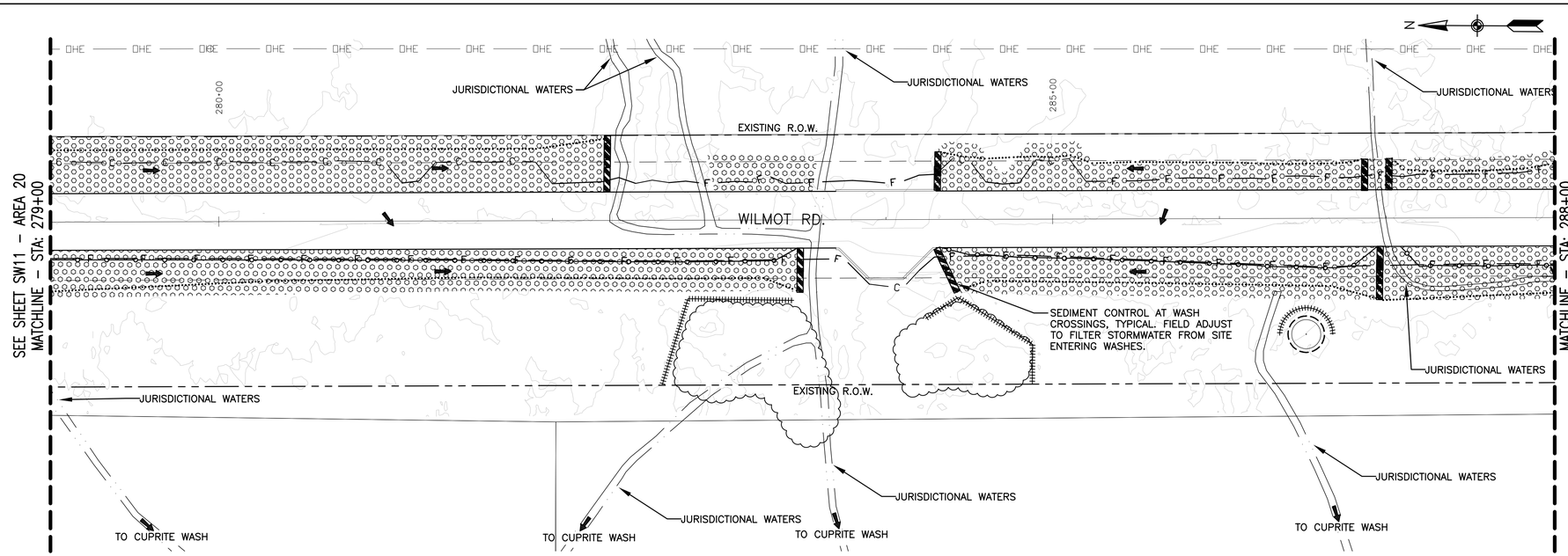
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 261+00 TO STA: 279+00

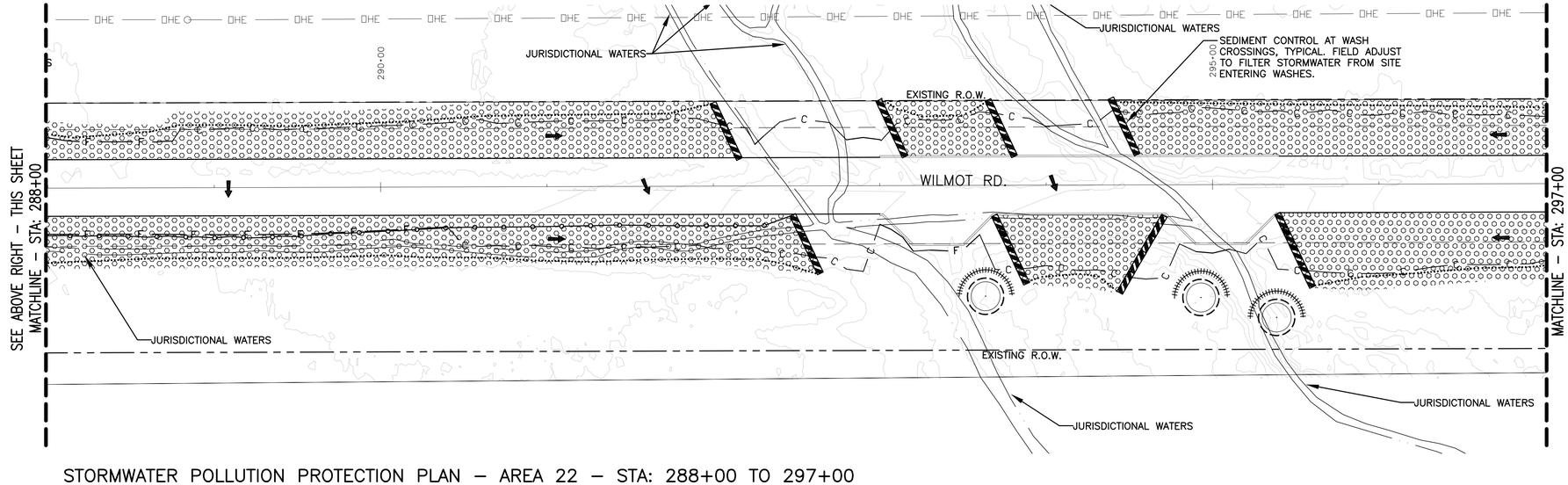
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW11 of SW22 | Page 129 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 21 – STA: 279+00 TO STA: 288+00

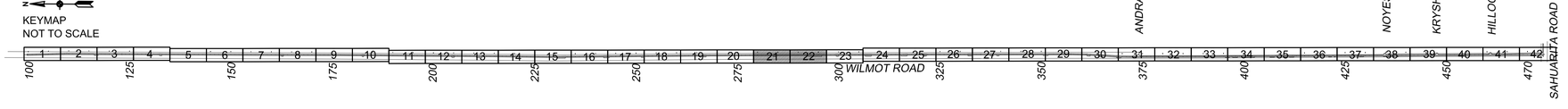
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 22 – STA: 288+00 TO 297+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE =IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	1259 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	475 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	PJB	SRM	DDS

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

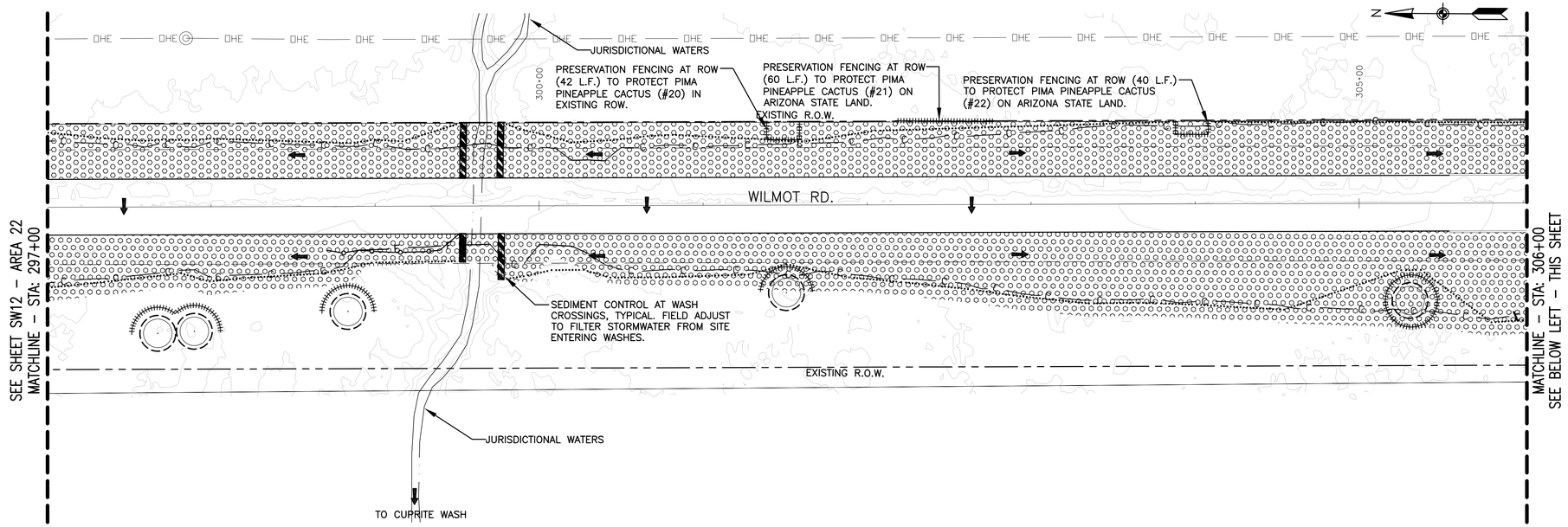
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348 Call Two Working Days Before You Dig

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 279+00 TO STA: 297+00

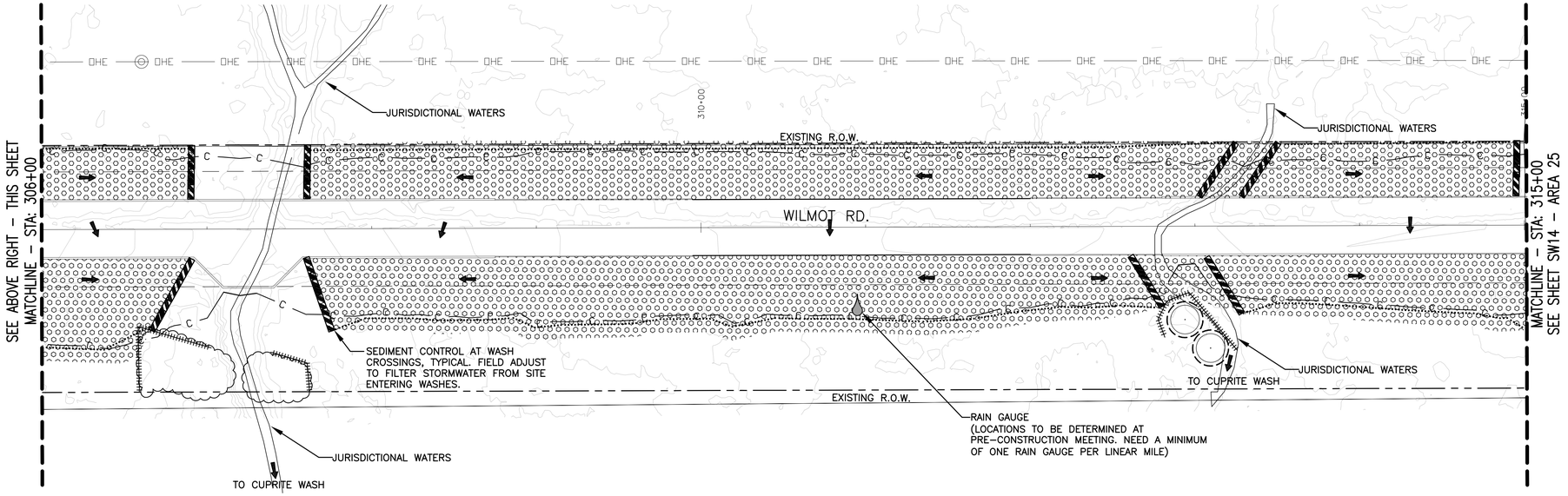
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW12 of SW22 | Page 130 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 23 – STA: 297+00 TO STA: 306+00

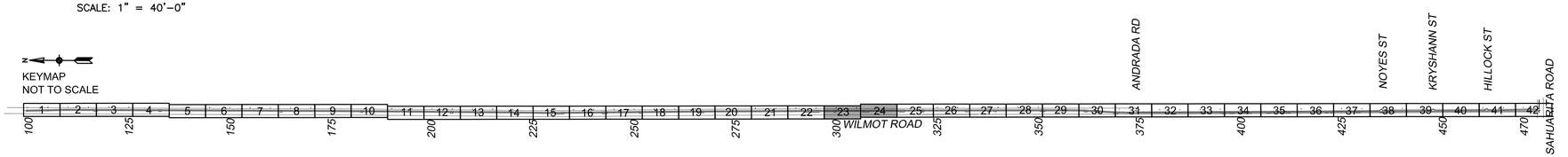
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 24 – STA: 306+00 TO 315+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	85 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	460 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	DDS	PJB	SRM	DDS
	04/16	04/16	04/16	04/16

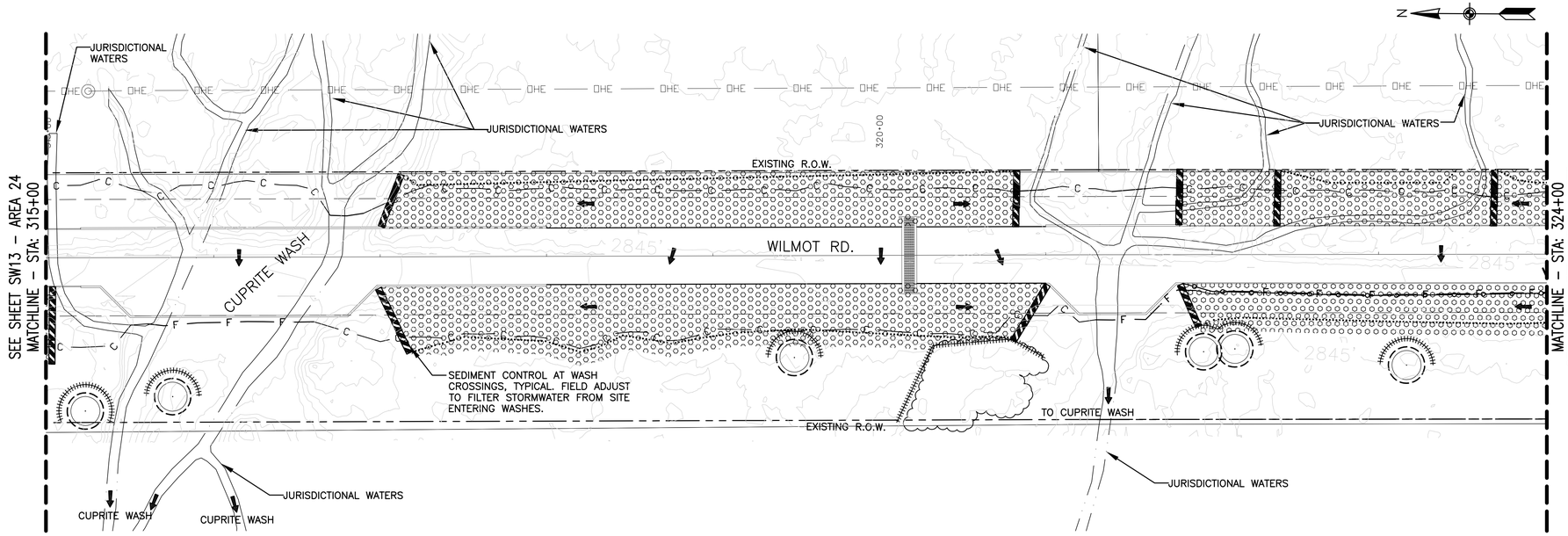
McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

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

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STORMWATER POLLUTION PREVENTION PLAN
STA: 297+00 TO STA: 315+00

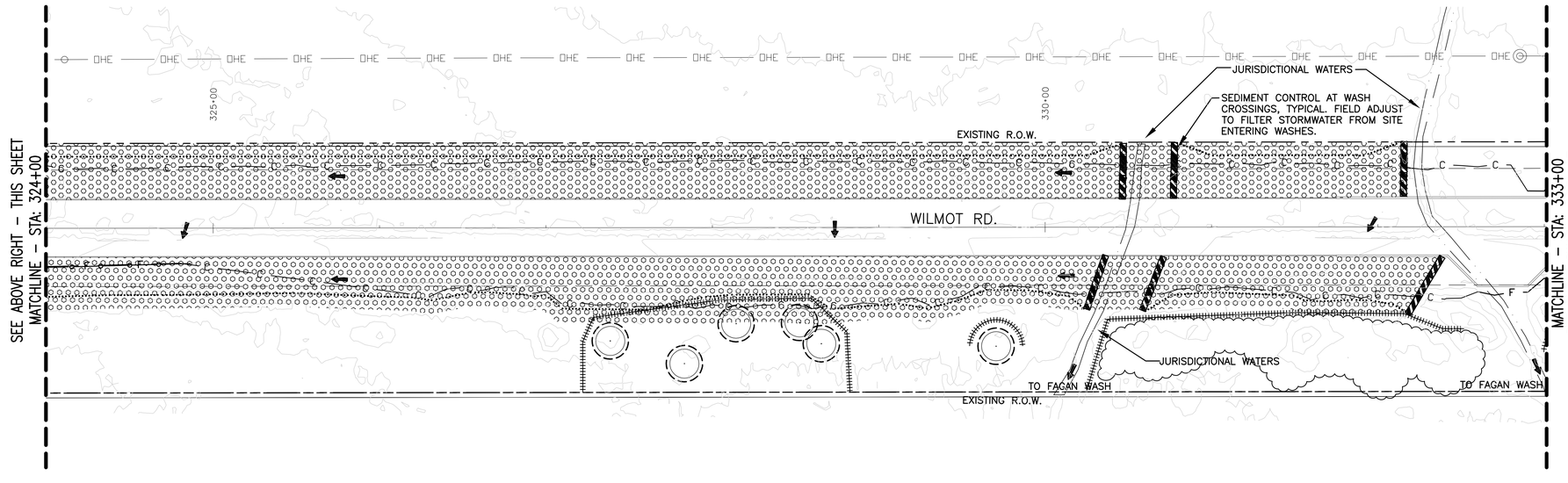
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW13 of SW22 | Page 131 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 25 – STA: 315+00 TO STA: 324+00

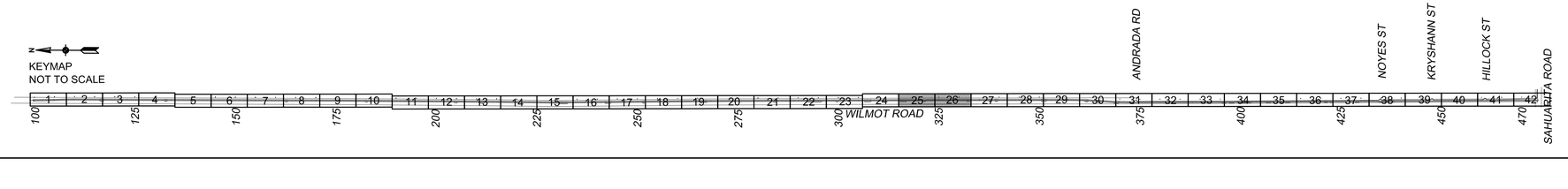
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 26 – STA: 324+00 TO 333+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	304 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	528 L.F.

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	DDS	FJB	SRM	DDS
04/16	04/16	04/16	04/16	

LANDSCAPE ARCHITECT — 4975 DARLENE D. MCGANN — REGISTERED — 10/31/2017

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9040 Fax: (520) 297-9545

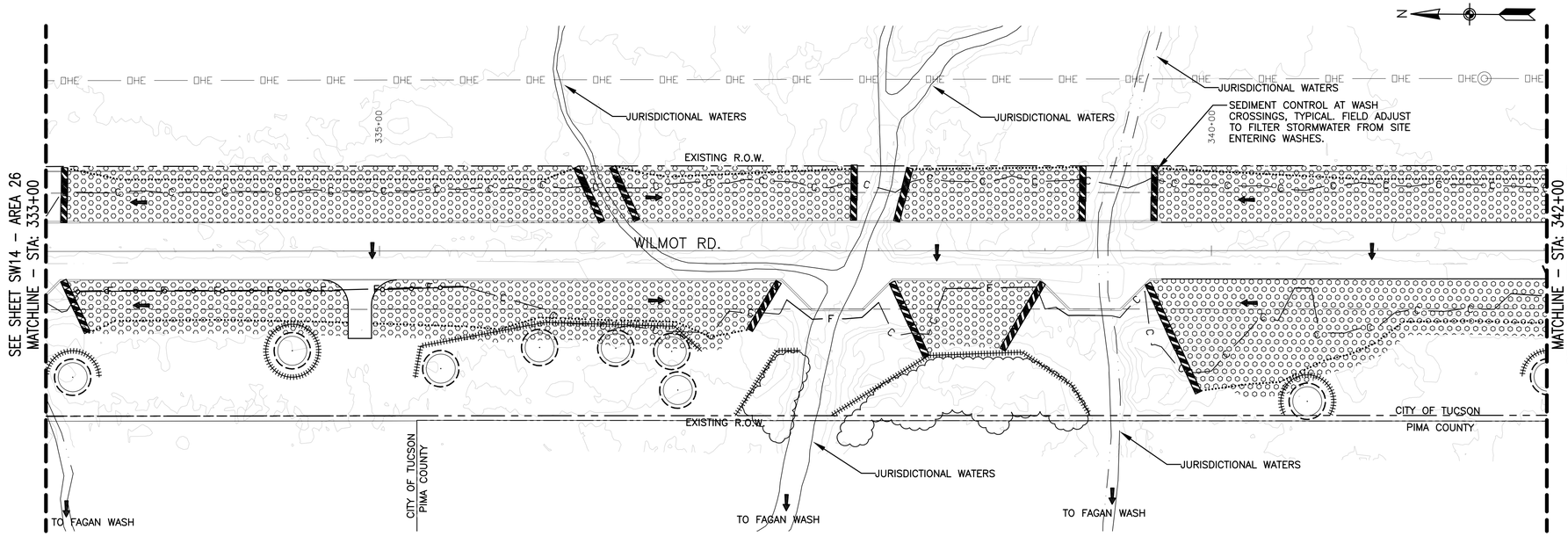
Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348) Call Two Working Days Before You Dig

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 315+00 TO STA: 333+00

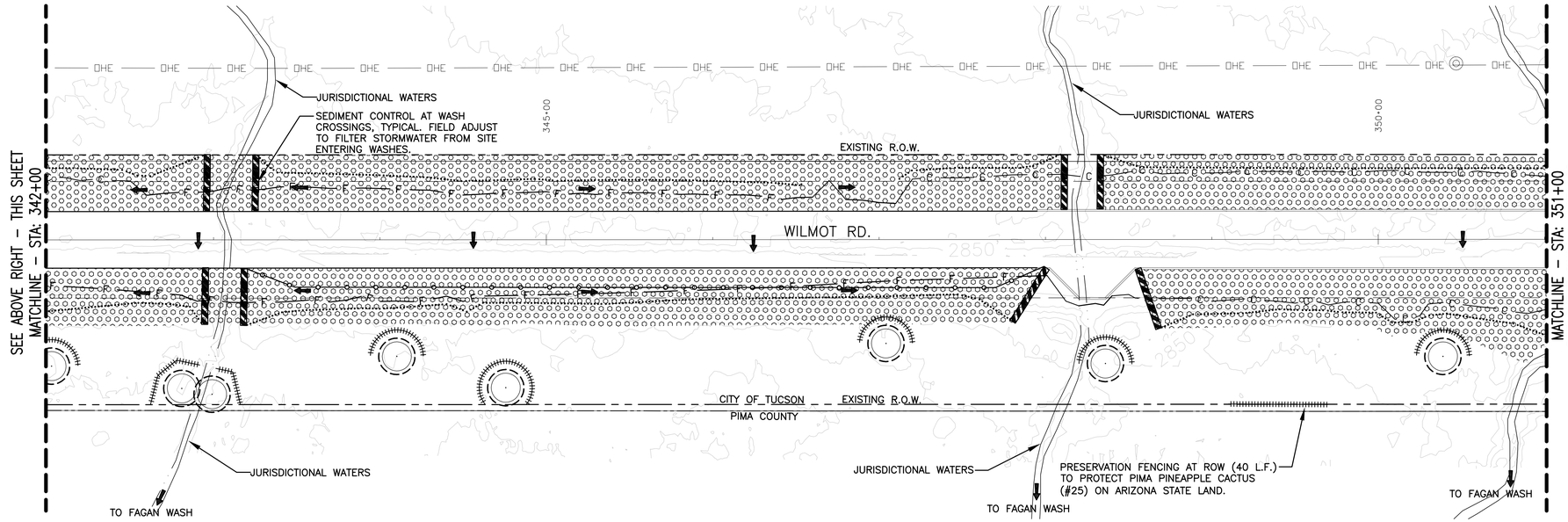
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW14 of SW22 | Page 132 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 27 – STA: 333+00 TO STA: 342+00

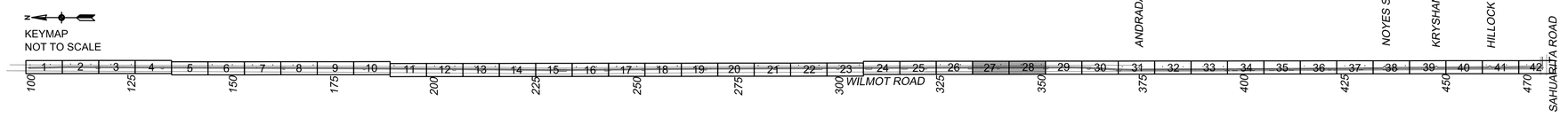
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 28 – STA: 342+00 TO 351+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	703 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	749 L.F.

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

No.	Revision Description	Engineer	Date

	Date
Designed	DDS 04/16
Drawn	PJB 04/16
Checked	SRM 04/16
Proj. Engr.	DDS 04/16

LANDSCAPE ARCHITECT — 40751 — DARLENE D. MCGANN — REGISTERED — Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

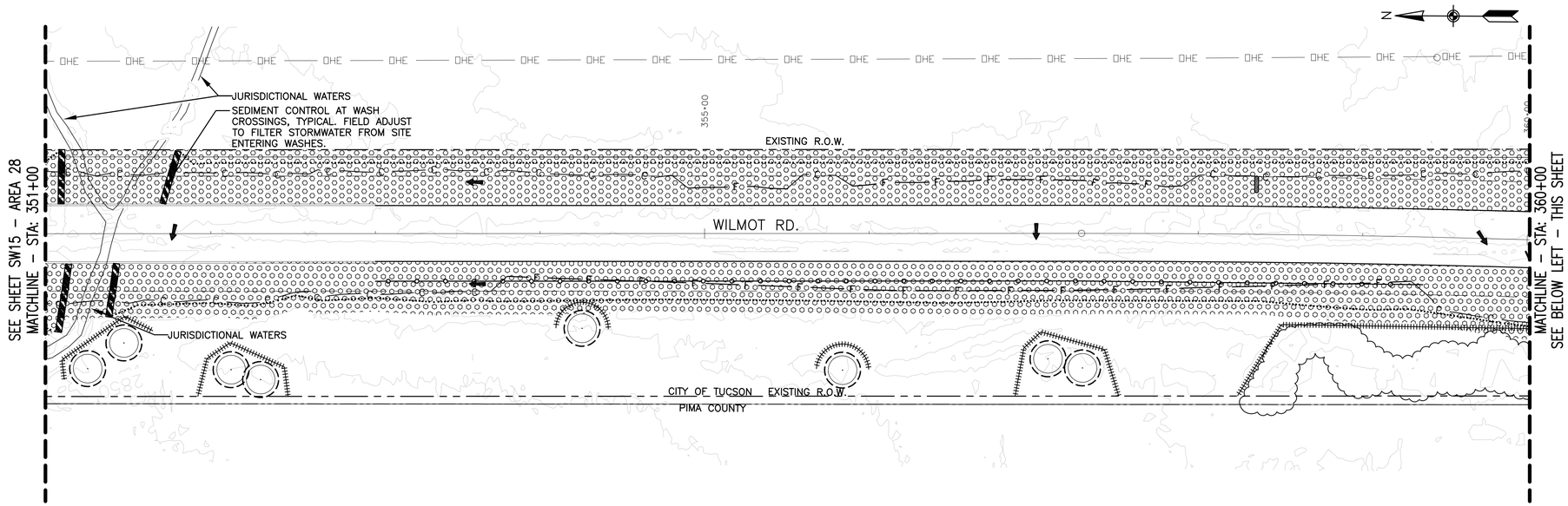
Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348) Call two working days before you dig

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

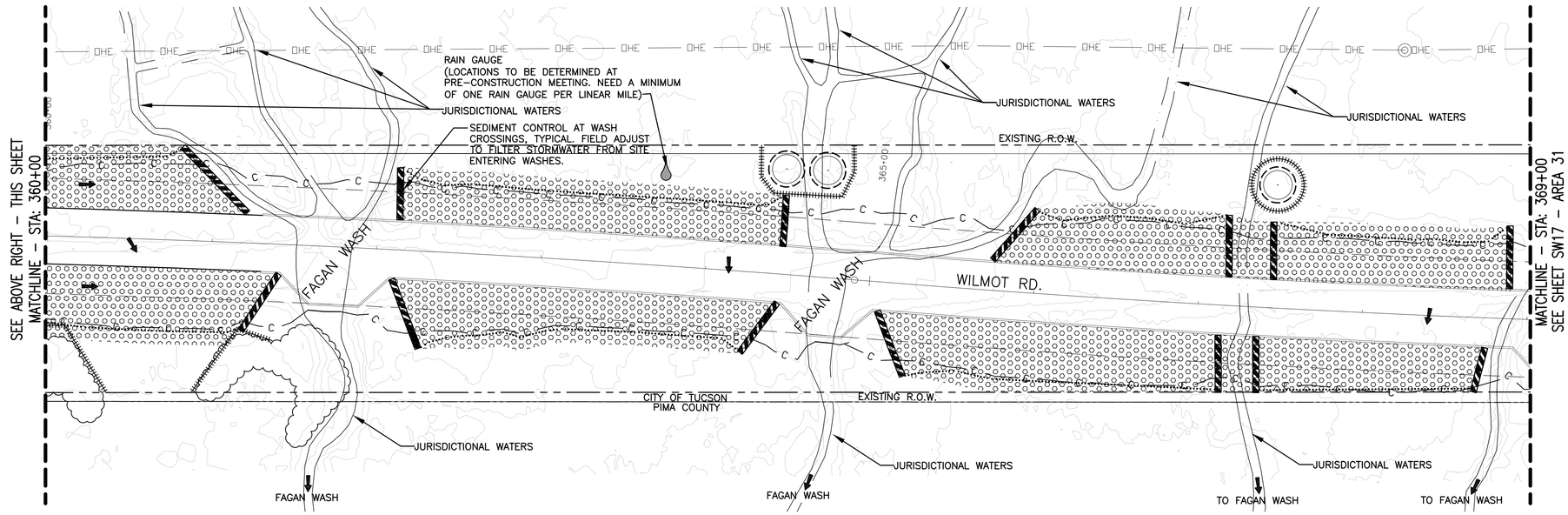
STORMWATER POLLUTION PROTECTION PLAN
STA: 333+00 TO STA: 351+00

Scale: 1"= 40' Horiz | Sheet SW15 of SW22 | Page 133 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 29 – STA: 351+00 TO STA: 360+00

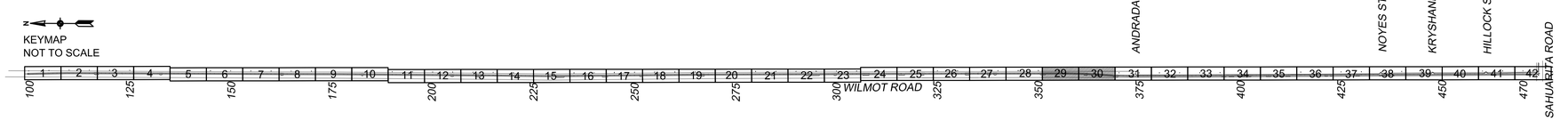
SCALE: 1" = 40'–0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 30 – STA: 360+00 TO 369+00

SCALE: 1" = 40'–0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE ~IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	637 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	10 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	682 L.F.

Priscilla S. Cornella, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

		Date
Designed	DDS	04/16
Drawn	PJB	04/16
Checked	SRM	04/16
Proj. Engr.	DDS	04/16

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

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

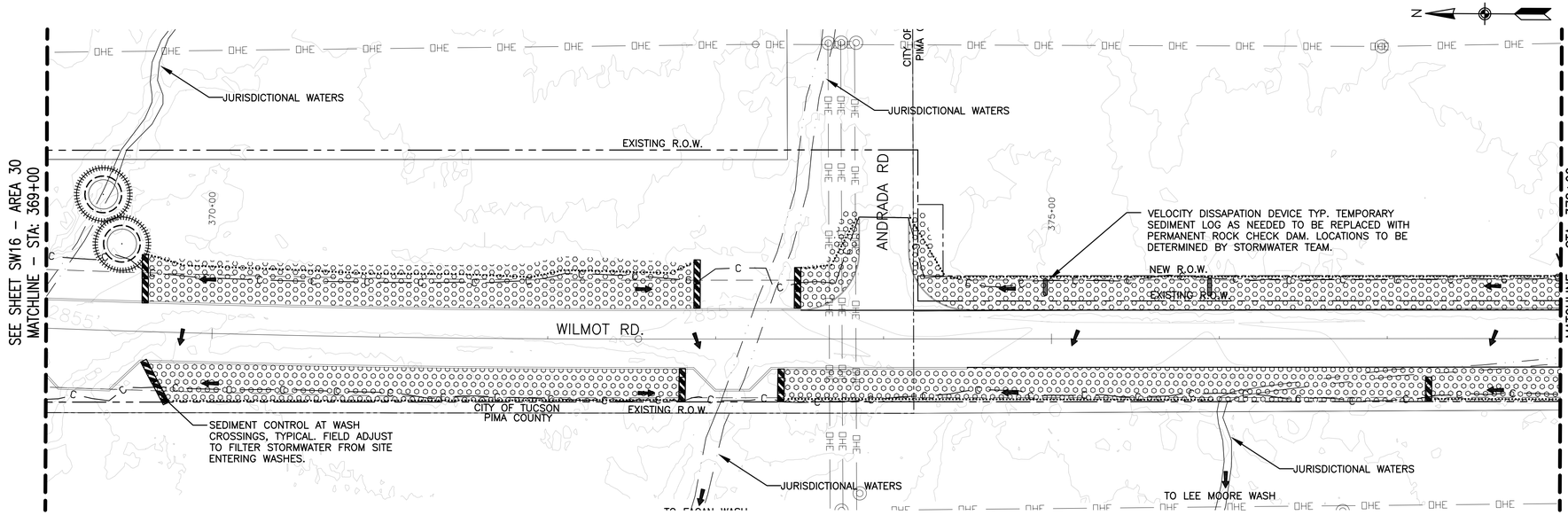
SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 351+00 TO STA 369+00

NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

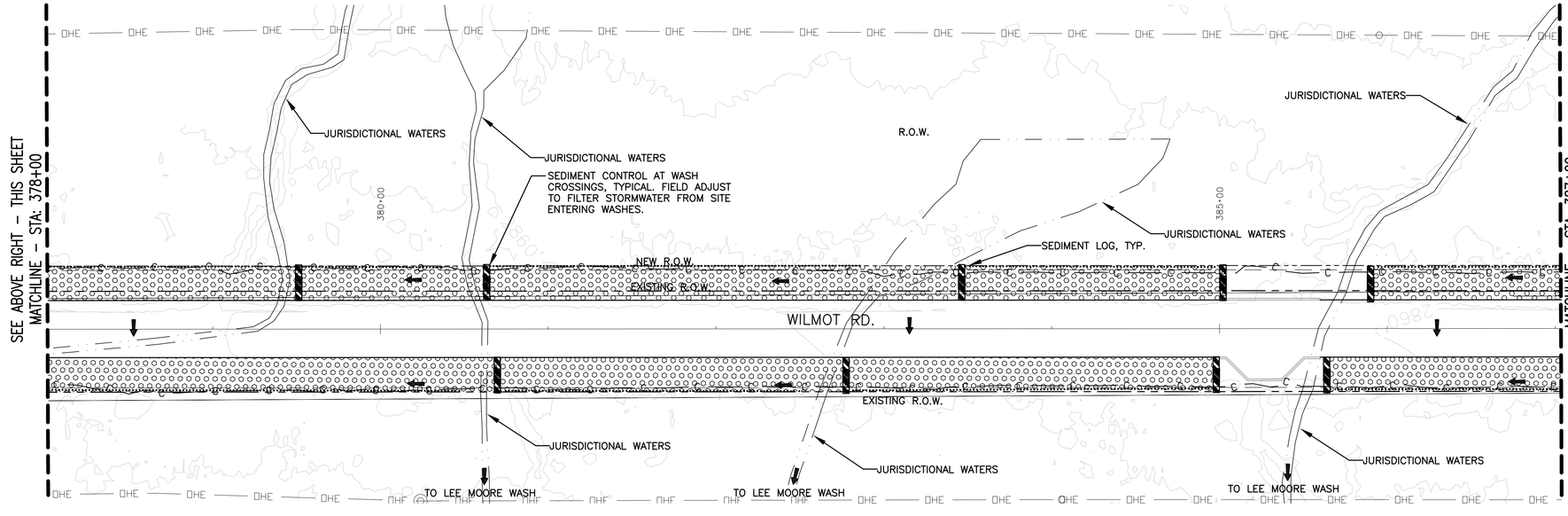
WILMOT ROAD IMPROVEMENTS, NORTH

Scale: 1"= 40' Horiz | Sheet SW16 of SW22 | Page 134 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 31 – STA: 369+00 TO STA: 378+00

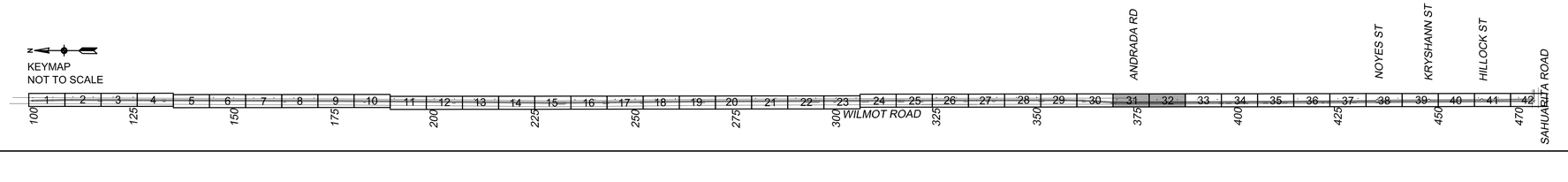
SCALE: 1" = 40'–0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 32 – STA: 378+00 TO 387+00

SCALE: 1" = 40'–0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	20 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	352 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	DDS	FJB	SRM	DDS
	04/16	04/16	04/16	04/16

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

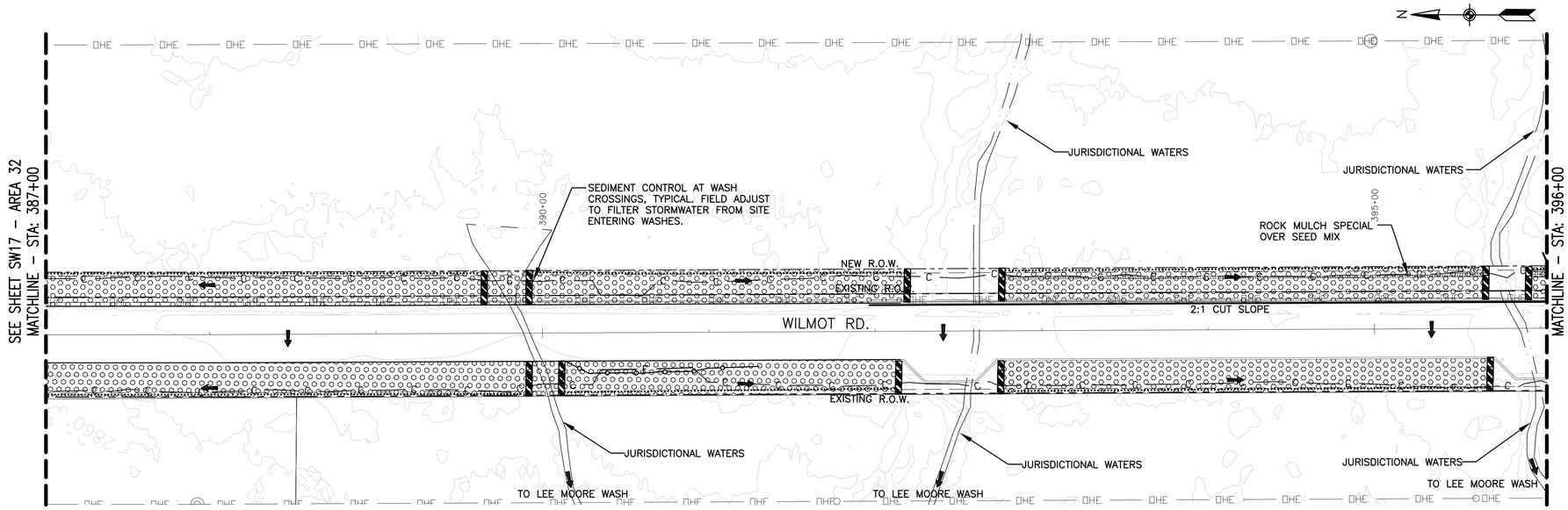
McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 369+00 TO STA: 387+00

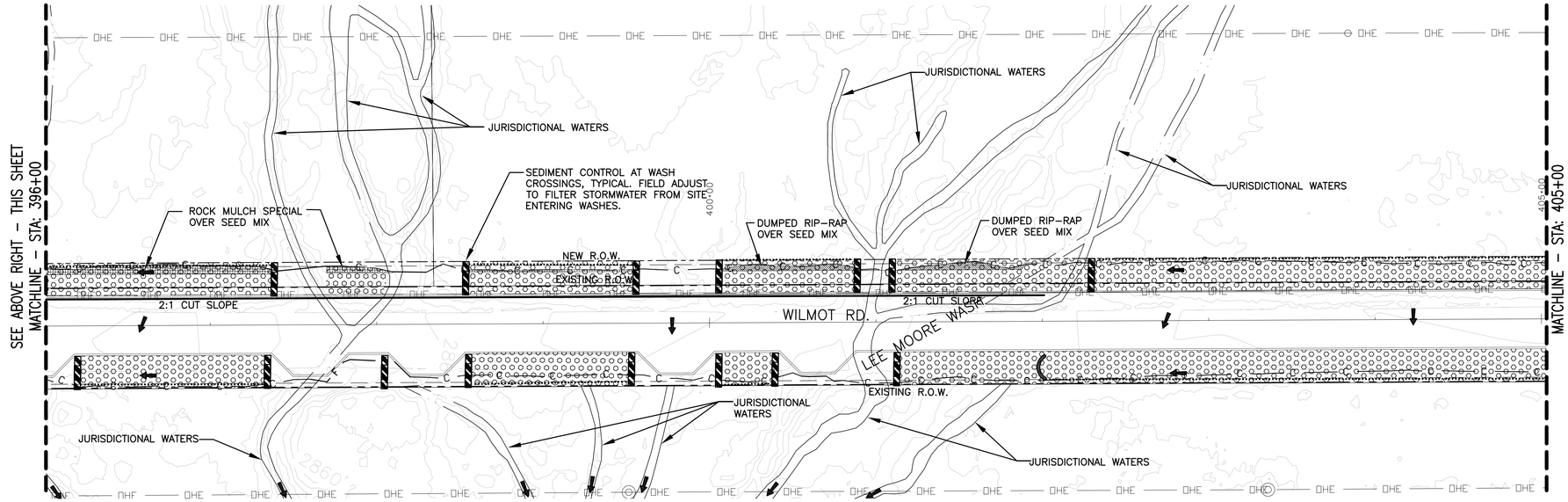
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTIWNS

Scale: 1"= 40' Horiz | Sheet SW17 of SW22 | Page 135 of 140



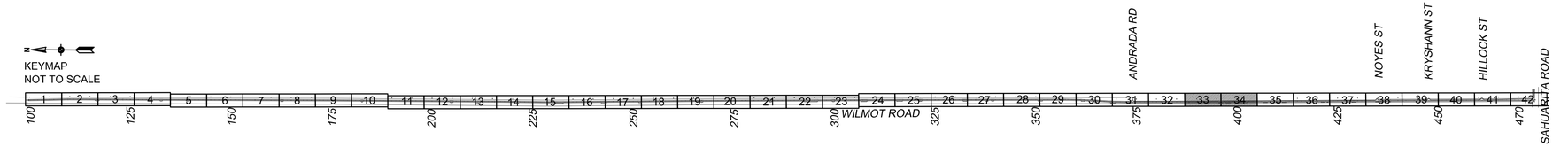
STORMWATER POLLUTION PROTECTION PLAN – AREA 33 – STA: 387+00 TO STA: 396+00

SCALE: 1" = 40'–0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 34 – STA: 396+00 TO 405+00

SCALE: 1" = 40'–0"



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	119 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	18 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	520 L.F.

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

Date	Designed	Drawn	Checked	Proj. Engr.
04/16	DDS	FJB	SRM	DDS
04/16				
04/16				
04/16				

No.	Revision Description	Engineer	Date

DANIELLE D. SWINDLE — 48751 — REGISTERED LANDSCAPE ARCHITECT — Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

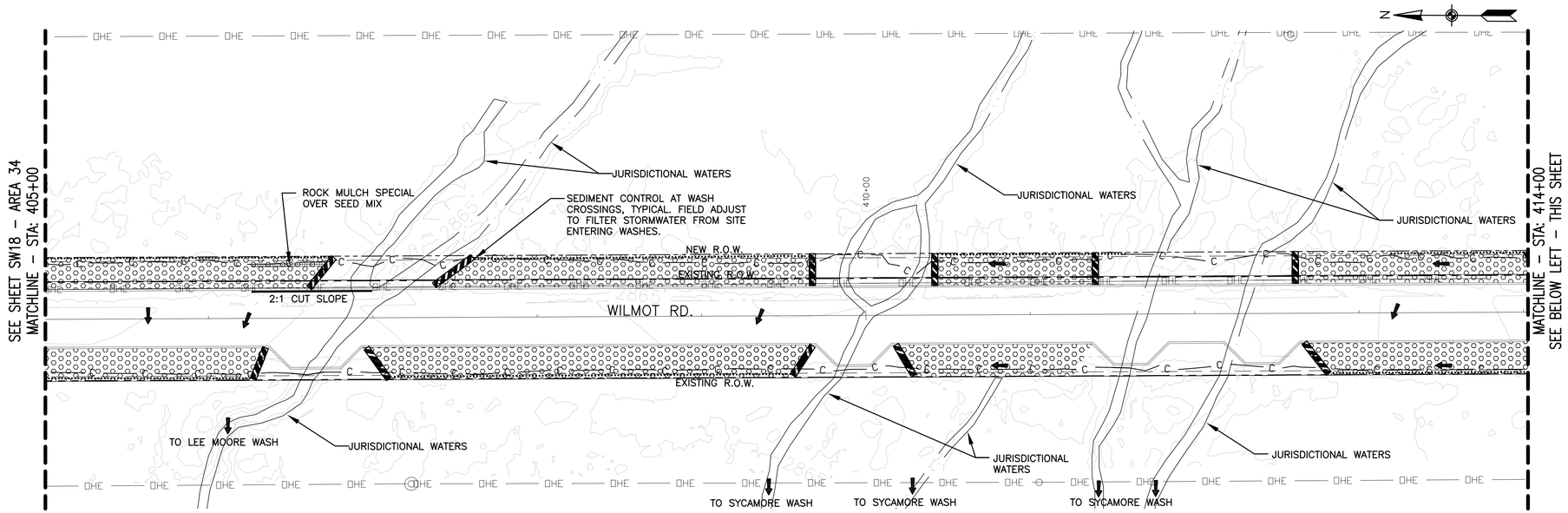
Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348) — Call Two Working Days Before You Dig

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 387+00 TO STA: 405+00

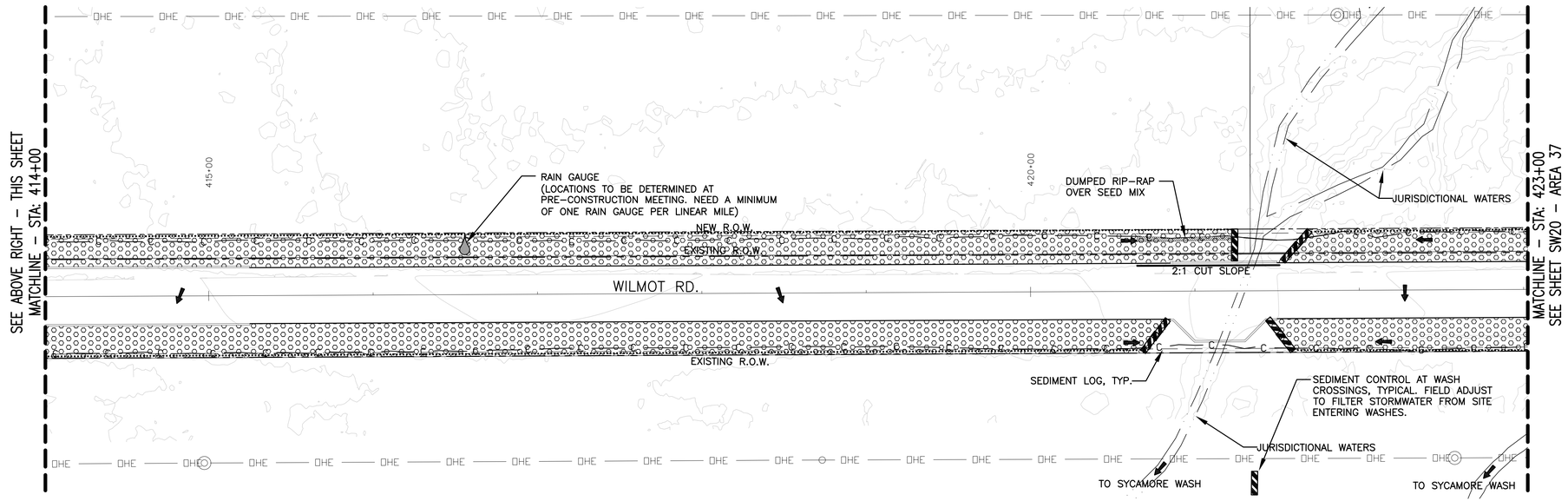
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW18 of SW22 | Page 136 of 140



STORMWATER POLLUTION PROTECTION PLAN – AREA 35 – STA: 405+00 TO STA: 414+00

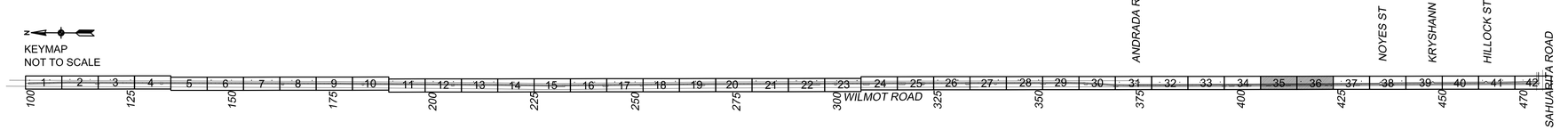
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PROTECTION PLAN – AREA 36 – STA: 414+00 TO 423+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	331 L.F.

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

No.	Revision Description	Engineer	Date

Designed	DDS	04/16
Drawn	FJB	04/16
Checked	SRM	04/16
Proj. Engr.	DDS	04/16

McGann & Associates
Landscape Architects and Planners
8814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-8540 Fax: (520) 297-8545

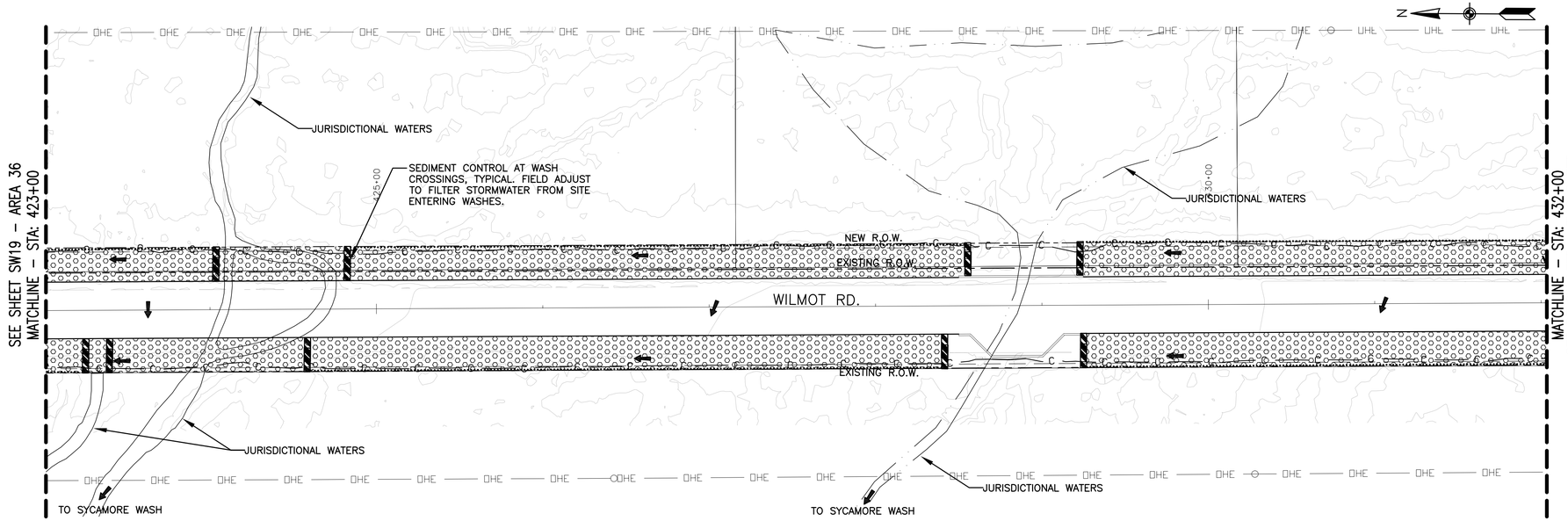
Arizona Blue Stake 1-800-STAKE-IT 1-800-782-5348

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PROTECTION PLAN
STA: 405+00 TO STA: 423+00

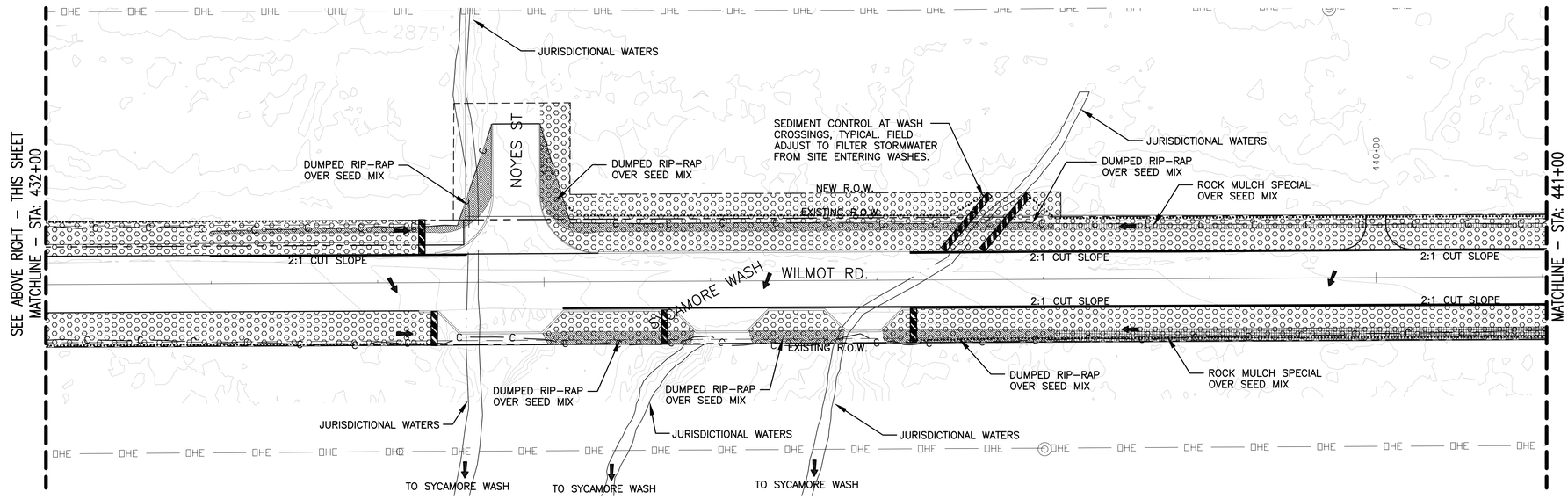
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW19 of SW22 | Page 137 of 140



STORMWATER POLLUTION PREVENTION PLAN – AREA 37 – STA: 423+00 TO STA: 432+00

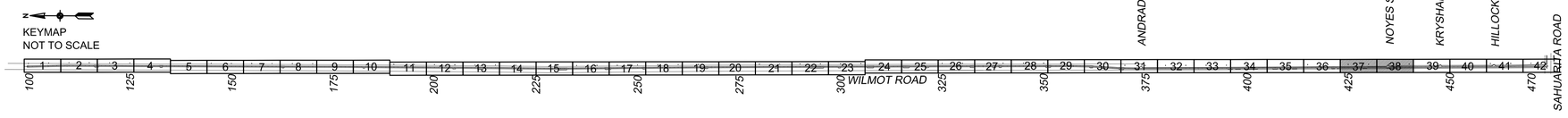
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PREVENTION PLAN – AREA 38 – STA: 432+00 TO 441+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	0 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	351 L.F.

Priscilla S. Cornelio, P.E., Director

Pima County Department of Transportation

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	FJB	SRM	DDS

LANDSCAPE ARCHITECT — 4975 D. DARLENE HOBBS — REGISTERED — Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9040 Fax: (520) 297-9545

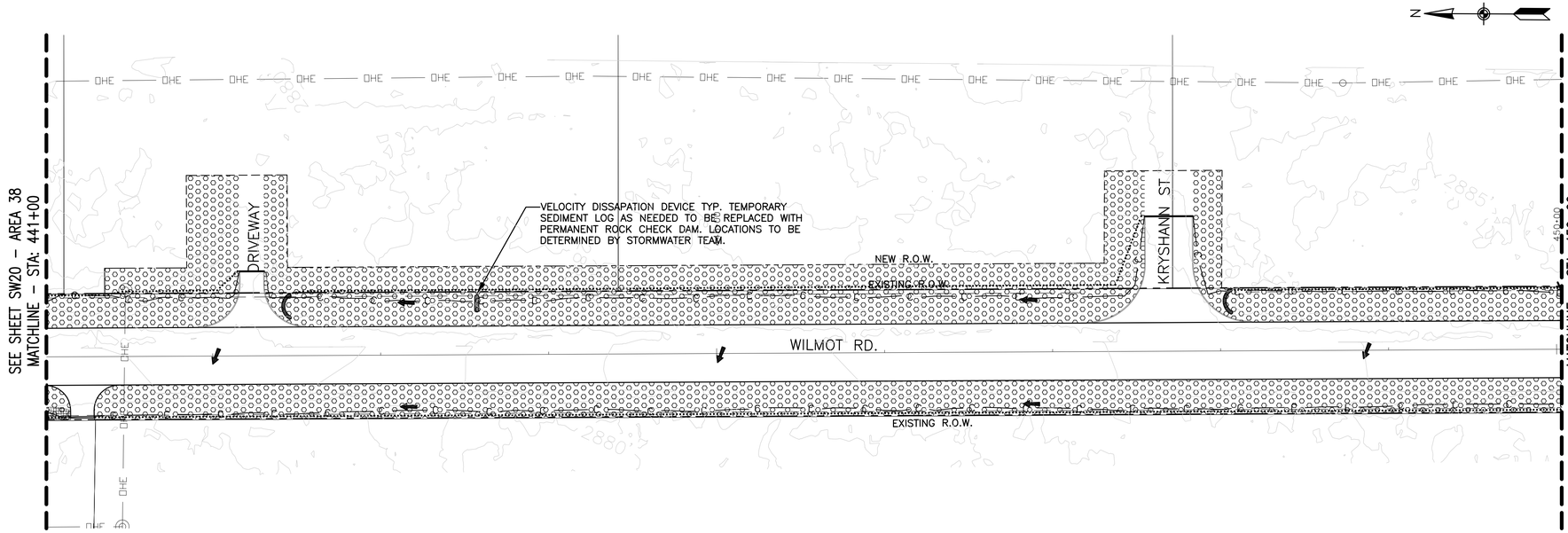
Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348) Call two working days before you dig

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

STORMWATER POLLUTION PREVENTION PLAN
STA: 423+00 TO STA: 441+00

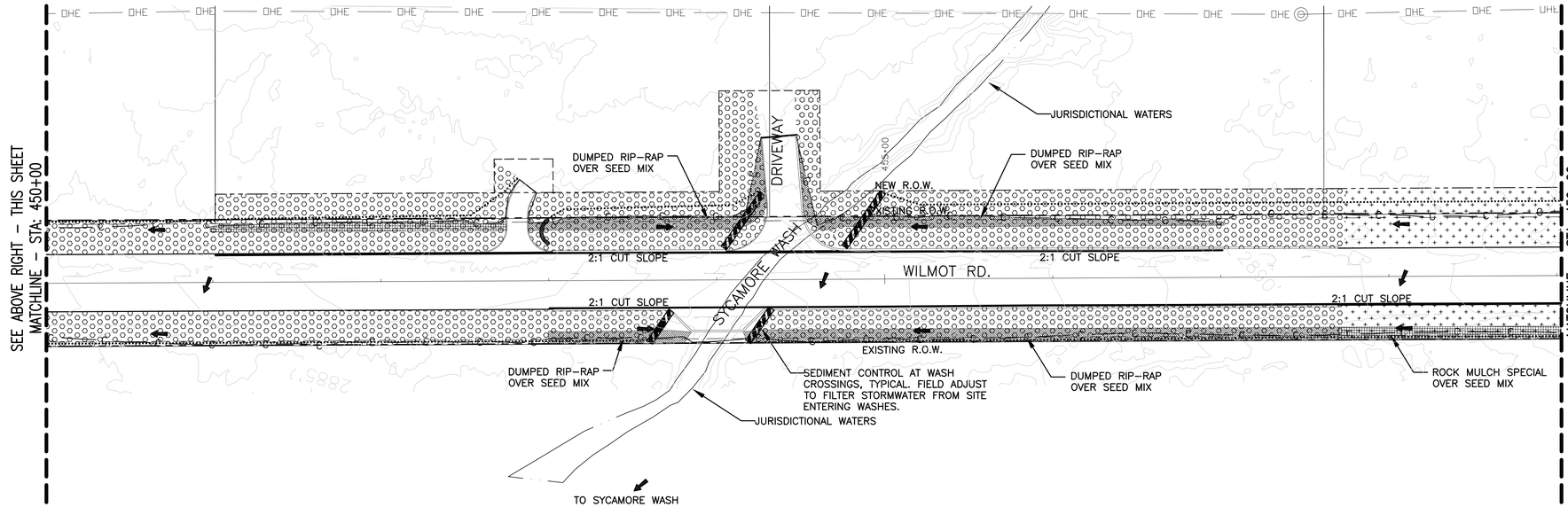
WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW20 of SW22 | Page 138 of 140



STORMWATER POLLUTION PREVENTION PLAN – AREA 39 – STA: 441+00 TO STA: 450+00

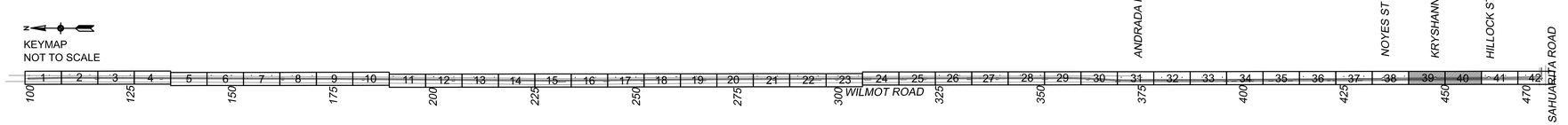
SCALE: 1" = 40'-0"



STORMWATER POLLUTION PREVENTION PLAN – AREA 40 – STA: 450+00 TO 459+00

SCALE: 1" = 40'-0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SCI) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE -IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	0 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	67 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	126 L.F.

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

No.	Revision Description	Engineer	Date

		Date
Designed	DDS	04/16
Drawn	FJB	04/16
Checked	SRM	04/16
Proj. Engr.	DDS	04/16

LANDSCAPE ARCHITECT — 45751 D. DANIELLE DOWNELLE — Expires 10/31/2017

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9549 Fax: (520) 297-9545

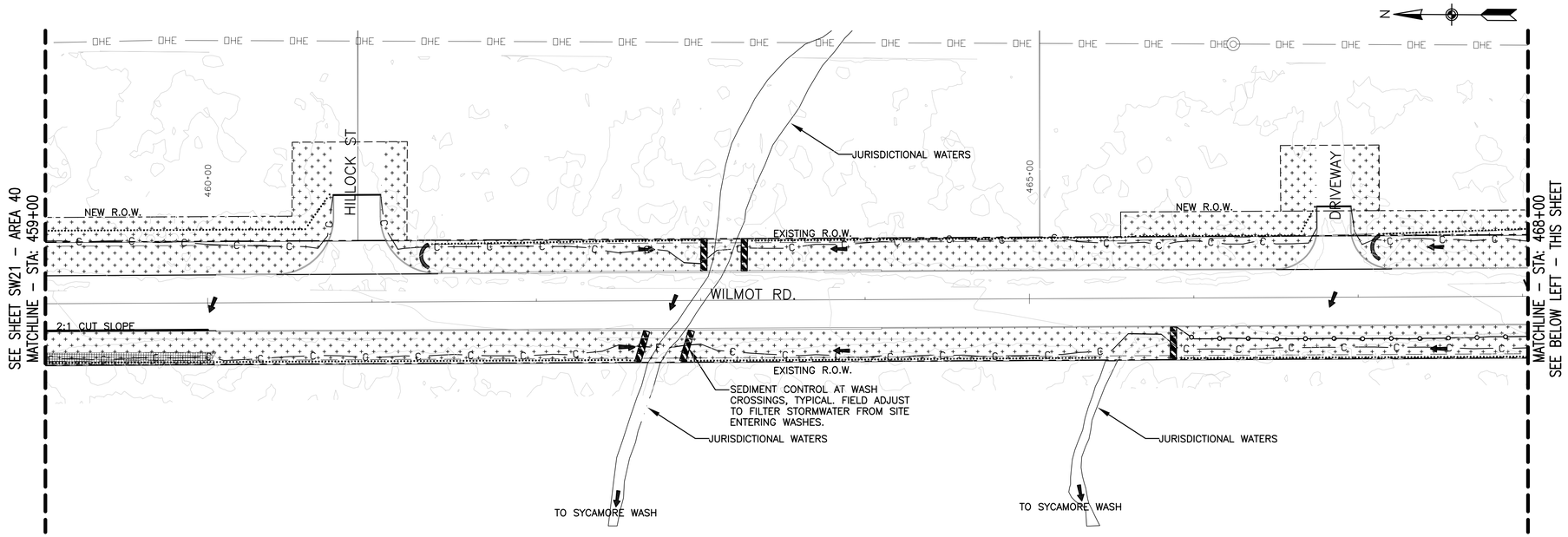
Arizona Blue Stake 1-800-STAKE-IT (1-800-782-5348) — Call Two Working Days Before You Dig

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD

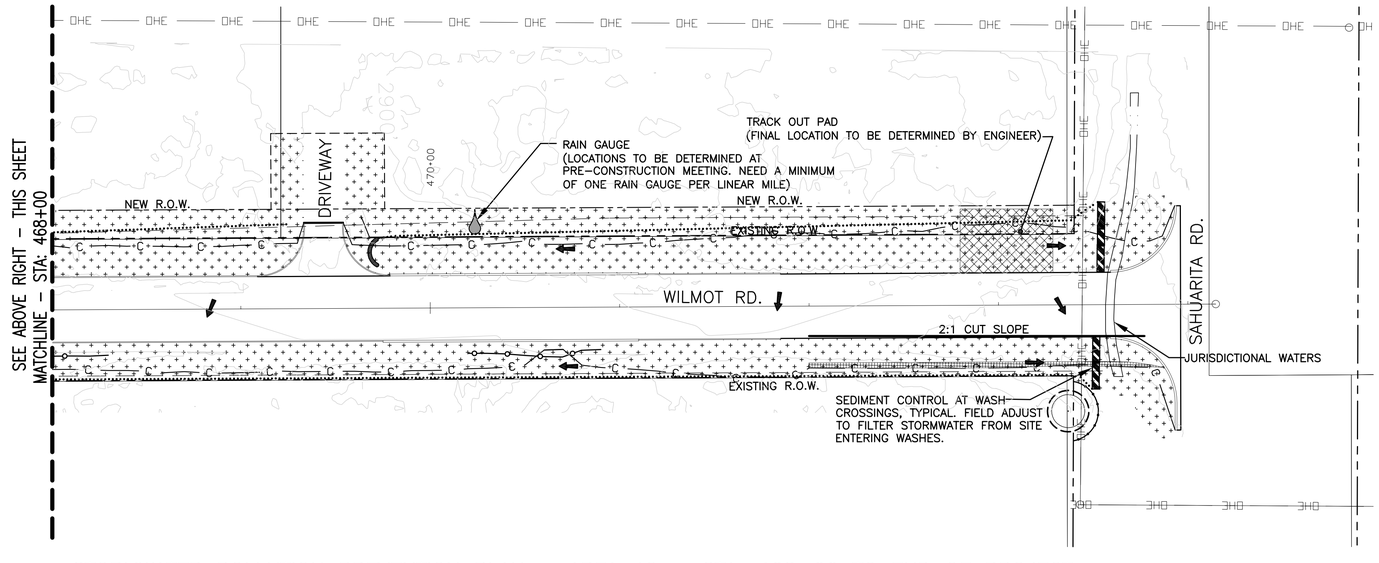
STORMWATER POLLUTION PREVENTION PLAN
STA: 441+00 TO STA: 459+00

Scale: 1"= 40' Horiz | Sheet SW21 of SW22 | Page 139 of 140



STORMWATER POLLUTION PREVENTION PLAN – AREA 41 – STA: 459+00 TO STA: 468+00

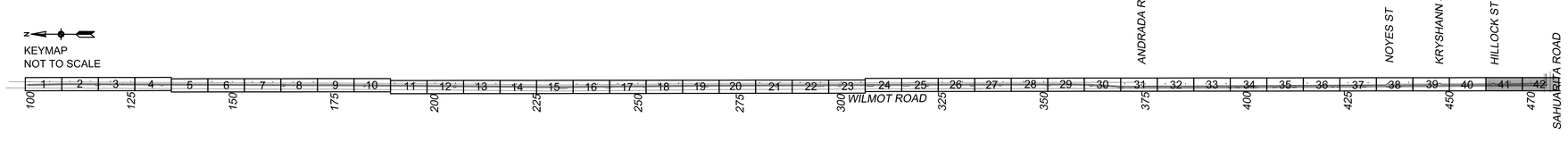
SCALE: 1" = 40'–0"



STORMWATER POLLUTION PREVENTION PLAN – AREA 42 – STA: 468+00 TO END OF PROJECT

SCALE: 1" = 40'–0"

KEYMAP
NOT TO SCALE



SWPPP LEGEND & NOTES

(ITEMS IN LEGEND NOT TO SCALE)

- UPLAND HYDROSEED MIX AREA CLASS II, TYPE A
- XERORIPARIAN HYDROSEED MIX AREA CLASS II, TYPE B
- ROCK MULCH SPECIAL OVER SEED MIX
- DUMPED RIP-RAP OVER SEED MIX
- SEDIMENT WATTLE (9") (ES3, SC5)
- PERIMETER CONTROL SEDIMENT CONTROL BERM (ES5, SC1) OR SEDIMENT LOG (20") (E1, SC6)
- ROCK CHECK DAM (ES9, RC6) OR SEDIMENT LOG (20") (E1, SC6)
- SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)
- PRESERVATION FENCE ORANGE FENCE TO BE INSTALLED AROUND PERIMETER OF PRESERVE =IN-PLACE PLANTS. PRIOR TO DEMOLITION, TO PROTECT DRIP LINE
- PRESERVE IN PLACE TREE
- LIMITS OF DISTURBANCE (AREA OUTSIDE TO REMAIN UNDISTURBED)
- FLOW ARROW

NOTES:

1. REFER TO BMP DETAIL AND DRAWING SHEETS IN APPENDIX B FOR INSTALLATION AND MAINTENANCE SPECIFICATIONS.
2. DISTURBED AREAS WHERE CONSTRUCTION HALTS FOR A PERIOD GREATER THAN 14 DAYS REQUIRE TEMPORARY STABILIZATION MEASURES.
3. NO BMP SHALL BE PLACED SUCH THAT INGRESS AND EGRESS ACCESS TO INDIVIDUAL LOTS IS RESTRICTED.
4. RIGHT-OF-WAY AND EASEMENTS ARE THE PROJECT LIMITS OF DISTURBANCE. AREAS OUTSIDE OF DESIGNATED "LIMITS OF DISTURBANCE" SHALL REMAIN UNDISTURBED.
5. THERE ARE NO WETLANDS WITHIN THE PROJECT LIMITS OF DISTURBANCE AND NO WETLANDS LOCATED OFFSITE WITH THE POTENTIAL TO RECEIVE STORMWATER RUNOFF FROM THIS SITE.
6. FIELD MODIFICATIONS TO THIS PLAN ARE EXPECTED TO BE MADE THROUGHOUT THE LIFE OF THIS PROJECT UNDER THE DIRECTION OF THE STORMWATER TEAM, IN ACCORDANCE WITH THE PROJECT ADEQ PERMIT.
7. EROSION/SEDIMENT CONTROLS SHALL BE PLACED ON ALL SIDE SLOPE BOUNDARIES ONLY WHEN ADJACENT SIDE SLOPE IS AT LOWER ELEVATION THAN PROJECT AREA AND HAS POTENTIAL TO RECEIVE STROMWATER RUNOFF. ADJACENT SLOPES AT HIGHER ELEVATION THAN PROJECT AREA DO NOT REQUIRE PERIMETER CONTROL.

SYMBOL	TEMPORARY BMP	QTY/SHEET
	SEDIMENT WATTLE (9") (ES3, SC5)	314 L.F.
	VELOCITY DISSAPATION DEVICE SEDIMENT LOG (20") (E1, SC6) OR ROCK CHECK DAM (ES9, RC6)	57 L.F.
	SEDIMENT CONTROL AT WASH CROSSINGS SEDIMENT LOG (20") (E1, SC6)	162 L.F.

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

No.	Revision Description	Engineer	Date

	Designed	Drawn	Checked	Proj. Engr.
Date	04/16	04/16	04/16	04/16
	DDS	FJB	SRM	DDS

McGann & Associates
Landscape Architects and Planners
6814 North Oracle Road, Suite 210
Tucson, Arizona 85704
Telephone: (520) 297-9540 Fax: (520) 297-9545

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

SWPPP SHEET
WILMOT ROAD
NORTH OF SAHUARITA ROAD
STORMWATER POLLUTION PREVENTION PLAN
STA: 459+00 TO E.O.P.

WILMOT ROAD IMPROVEMENTS, NORTH OF SAHUARITA ROAD - PROJECT NO. 4RTWNS

Scale: 1"= 40' Horiz | Sheet SW22 of SW22 | Page 140 of 140