PIMA COUNTY
PROCUREMENT DEPARTMENT
DESIGN & CONSTRUCTION DIVISION • 130 W. CONGRESS STREET, 3RD FLOOR • TUCSON, ARIZONA 85701-1317
TELEPHONE (520) 724-3731 • FAX (520) 724-4434

January 8, 2016

ADDENDUM NO. 3

SOLICITATION NO. 202583 – SUNSET ROAD: SILVERBELL ROAD TO INTERSTATE 10

This Addendum addresses question raised at the pre-bid meeting of January 5, 2016 and thru to January 6th, 4:30 pm. This Addendum shall be incorporated and made part of the Bid Documents as though included therein. **This addendum is 12 pages.**

PRE-BID ATTENDANCE SIGN IN SHEET: The sign-in sheet for the pre-bid meeting held January 5, 2016, is available on the Pima County Procurement Department Design and Construction Division website at: http://www.pima.gov/procure/ifbrfp-dc.htm under the heading for this solicitation.

A REVISED BID SCHEDULE ADDRESSING THE FOLLOWING QUESTIONS WILL BE ISSUED IN ADDENDUM NO. 4.

QUESTIONS/CLARIFICATIONS/REQUESTS FOR INFORMATION:

Q) When is the projected start date?
A) The middle of March, 2016. Contract approval before the Pima County Board of Supervisors is tentatively scheduled for February 16, 2016.

Q) The first WAPA outage/closure appears to be scheduled before the contract will be executed, can it be pushed back?
A) Once the contractor has been selected and a schedule established, a shift of the first WAPA outage/closure will be requested.

Q) Is TEP allowing shutdowns?
A) No TEP shutdowns will occur. Pima County requested additional clearing space to avoid possible power shut downs.

Q) Where there is restricted access due to the wetlands under span 4 (between piers 3 and 4), will stay in place deck forms be allowed?
A) Yes for that span only. Please see revised Sheet S23-Page 92 and new Sheet S23A-Page 92A Attachment 1 (2 pages)

Q) Will Appendix H be available in advance of the bid due to the typical requirements of the Department of Agriculture with clearing land?
A) County will contact the Department of Agriculture to clarify requirements that could have a cost implication.

mH

Q) A licensed Well Driller is required for any dewatering operation. Licensed Well Driller's do not do this work. Is one required as specified in the second paragraph of SP-3?
A) ADWR does require a licensed driller for this work

Q) TEP facilities under the bridge and in the project will be charged to which bid items?
A) Bid items will be clarified on a Revised Bid Schedule.

Q) Is there an electronic version of the disturbance limits?
A) Sheet EC02-Page 13 through Sheet EC07-Pages 140 depict the disturbance limits. A pdf version of the disturbance of those sheets is attached. Attachment 2 (6 pages)

Q) On the bid schedule, there are two 7320040, Electrical Conduit (4") (PVC)?
A) These two bid items are to be combined on the revised Bid Schedule.

Q) The TEP work shown on Pages 197-203 does not have bid items, will they be provided?
A) Bid items will be clarified on the Revised Bid Schedule.

Q) S.P. regarding the river crossing where are the details?
A) In Appendix C, pages SP 206 through SP 210, detail the river crossing.

Q) On SP page 7, states if Hazardous Materials are found the project will close down and either the County or an outside contractor will remove the materials.
A) The Special Provisions read as follows: "The area will be taped off, and further investigation and clean up by Pima County will follow.... If potentially hazardous or contaminated materials are encountered, the Contractor shall stop work and remove all workers within the ***contaminated area***" (emphasis added). The project is not shut down. Only the area surrounding the suspect hazardous materials is impacted.

Q) General Note 24, under clearing and grubbing restrictions, states that should they be found, nested birds and owls will be removed by a licensed wildlife rehabilitator employed by the contractor or buffered from the work area. How is this work charged?
A) It is the intent to have all trees trimmed in February prior to construction to limit birds nesting. If there are birds to be relocated, it will be charged to Force Account.

Q) There is no line item for lead paint abatement. If removal is required, how would it be charged?
A) Force Account may be used for testing and removal if required.

Q) Would the CADD files for existing grading in the lower Santa Cruz be available (existing topography and planned grading).
A) Contours and grading dimensions are included in plan sheets. See Sheet CD01-Page 45 through Sheet CD06-Page50. Provision of CADD files will be considered upon award of contract.

Q) Was there 16,000 yards of dirt taken out of the project area?
A) Dirt was moved to another location within the project limits after the plans and cross sections were completed.

Q) The Handrail line item 9330008 on the bid schedule shows CY as the unit, shouldn't it be LF?
A) Yes. This will be corrected on the Revised Bid Schedule.

Q) What is the deadline for questions?
A) Questions should be provided to Anthony Schiavone by Jaunary 14th. Questions received after this date may not get a response.

Q) Pima County has made a borrow source available to Borderland Construction from a piece of property owned by Pima County and is adjacent to the Sunset project. Does Pima County have an available source of borrow material for the same haul distance for the rest of the prospective bidders?
A) A Contractor (Borderland) was hired to move the 16,000 cubic yards referenced above. The material is still within the project limits and is available to the successful bidder.

Q) Sheet 72 shows 2 4" Comcast conduits by others. Will this work be accomplished after this contract is complete?
A) The 2 - 4" Century Link and 1-4" Comcast conduits shall be installed through the abutment walls to a point as depicted on the plans. This work shall be coordinated by the contractor in accordance with "SECTION 107-21 CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES" of the Special Provisions.

Q) Drawings cover sheet page 1 of 203 shows in the sheet index page 197 to 203 TEP underground distribution system. There is not a bid item for the work in these pages. Please provide a bid item for this work?
A) Bid items will be clarified on the revised Bid Schedule.

Q) Drawing sheet 64, ITS conduit general notes #4, the maximum spacing between ITS pull boxes and/or vaults shall be 600 feet. Drawing 65 identifies the IT 4" Conduit run between 2 vaults which is 1000 linear feet between pull boxes. The Bridge is 760 feet long and there is no ITS pull box identified in the conduit run to be installed in the barrier Wall. Please advise on how to resolve this conflict?
A) See Sheet IT01-Page 64 ITS Conduit General Notes #5, "the maximum spacing between ITS ***vaults*** (emphasis added) is 1,500 feet."

Q) Drawing Sheet 92 Identifies 1-1/4" PVC electrical conduit installed in the combination pedestrian and traffic Bridge rail barrier wall. What bid Item is this to be under?
A) See Sheet S23-Page 92 note #15. Conduits are included in pay item 6011132.

Q) The plans do not show what to do with the 1-1/4" PVC conduit run in the combination pedestrian and traffic Bridge rail barrier wall after leaving the Bridge. Please Advise how to terminate or where does this conduit run to as a final destination?
A) See Sheet S35-Page 104.

Q) Drawing sheet 92 identifies installing a Pull Box ADOT SD1.11 in the combination pedestrian and traffic Bridge rail barrier wall. How many of these are to be installed and where?
A) The Pull / Junction Box shall be spaced per code with one at the center of the bridge and one 75 feet from each end for a total of three Pull / Junction Boxes

Q) Drawing Sheet 124 identifies Bid items #7320475 for Type I Junction Box and Bid Item #7320476 for Type II Junction Box. These bid items are not on the bid schedule. How many of

each type of Junction box are to be installed on the bridge barrier wall? Where are these boxes to be install along the Barrier Wall?
A) Junction Boxes shall be used for the purposes of providing Pull Boxes as shown on Sheet S23-Page 92. Cost of Junction / Pull boxes shall be included in pay item No. 6011132.

Q) The plan sheets do not show elevations or contours for the proposed grading (mostly drainage excavation around the left overbank grading area, and the channel to the north side of the road). Please provide the CAD files (existing and proposed grading) to allow for the Contractor to verify quantities. If the CAD files will not be released, please provide a revised grading sheeting clearly showing elevations and contours so that the Contractor can calculate the anticipated quantities.
A) Contours and grading dimensions are included in plan sheets. See Sheet CD01-Page 45 through Sheet CD06-Page50. Provision of CADD files will be considered upon award of contract.

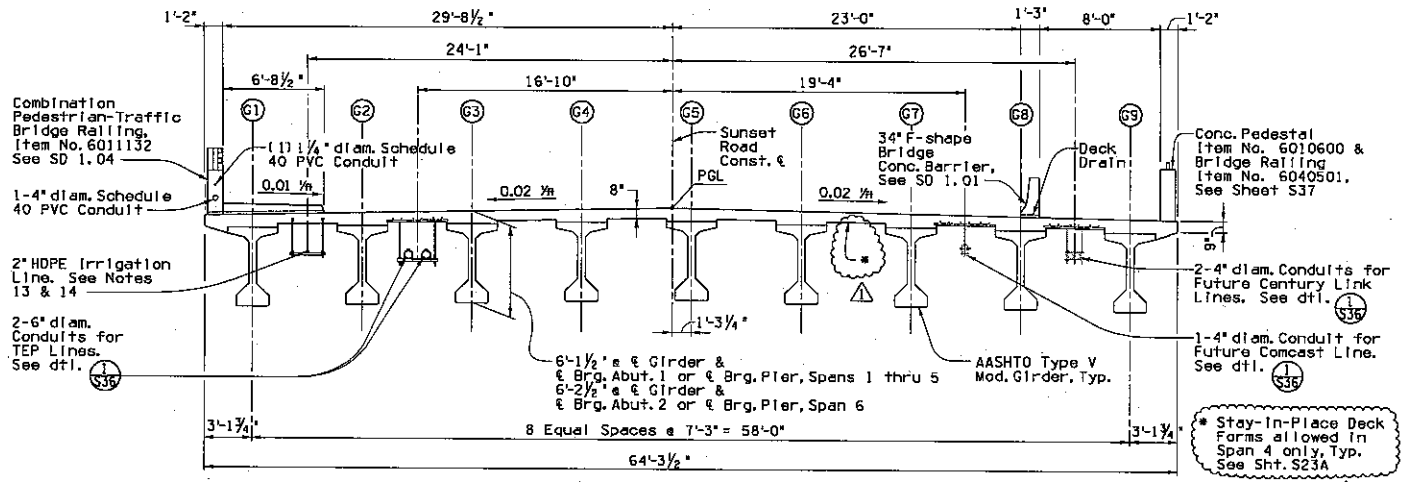
Q) The plans call out a 280 watt Type III LED luminaire. Could you tell us what the lumen output is that you need? That is a better way for us to select the proper luminaire since the lumens per watt just keep getting better for the LED's. We are also presuming the luminaire needs to meet the maximum of 3500K CCT for Pima county.
A) The lighting fixture shall be equivalent to a 400W HPS with a Type III distribution. The design lumen shall be 45,000 with a diming feature. The fixture shall mount like current PCDOT Cobra style heads, with a slipfitter for mounting on a 2 inch nominal mast arm tenon and shall be adjustable for leveling ±3 degrees from the horizontal. The fixture should have a removable power door and the upgraded ANSI 7 pin photocell receptacle with a shorting cap. The color temperature of the fixture shall be at or below 3000K. The fixture shall be full cut off and "Dark Skies" compliant. The fixture shall have a completely sealed optical system with a flat glass.

All other requirements and terms of the Solicitation remain unchanged. Any bid that fails to acknowledge any addendum that directly affects cost, scope, or schedule will be rejected as non-responsive.

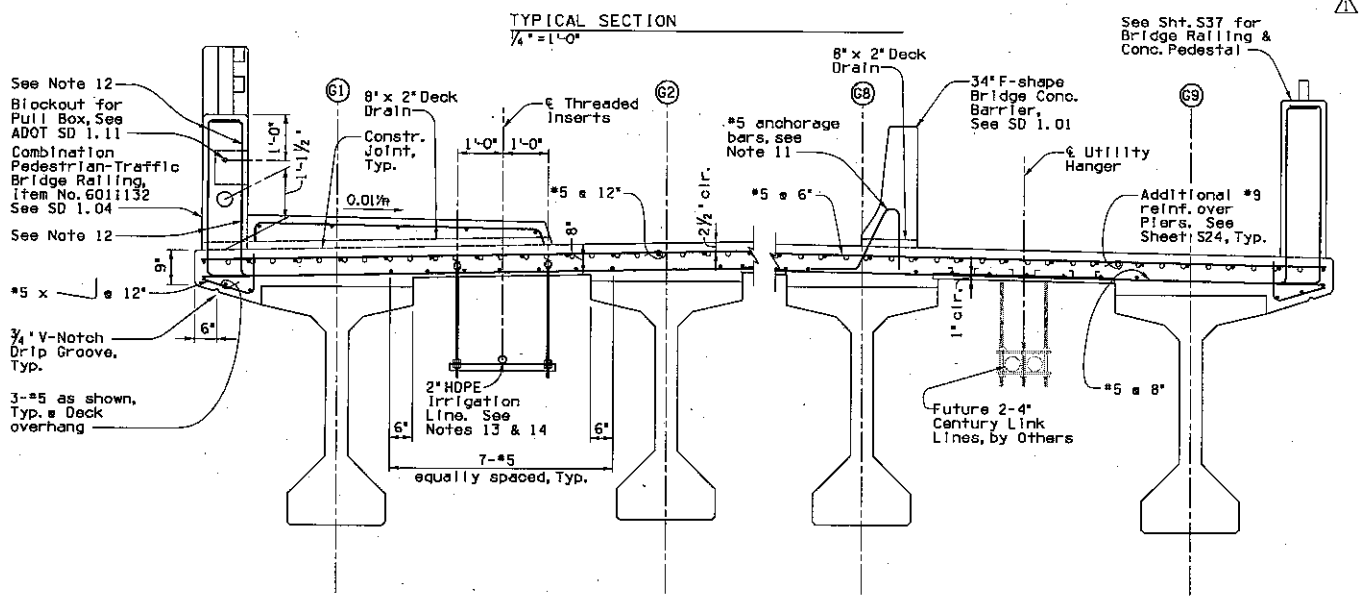
All questions shall be addressed in writing to Anthony V. Schiavone, Commodity/Contracts Officer, email anthony.schiavone@pima.gov or fax number 520-724-4434. Please submit them no later than January 14, 2016. Questions submitted after this date may not be addressed.

/s/Anthony V. Schiavone
Anthony V. Schiavone – Commodity/Contracts Officer

ATTACHMENT 1 (2 pages)



TYPICAL SECTION
¼" = 1'-0"



TYPICAL PARTIAL SECTION
¾" = 1'-0"

NOTES:

1. Longitudinal Deck reinforcement shall be placed parallel to ℄ Girder.
2. Transverse Deck reinforcement shall be placed perpendicular to Cst. ℄ with spacing measured along Cst. ℄.
3. Bars shall not be spliced within the required lap length of adjacent bars.
4. Top transverse bars in the Deck Slab shall be spliced where required at mid-span between centerline of Girders.
5. Bottom transverse bars in Deck Slab shall be spliced where required at centerline of Girder.
6. Minimum lap length of bar splices shall be
   #5 bars: 2'-2"
7. Contractor to submit Shop Drawings showing lap splice locations to the Engineer for approval prior to fabrication.
8. Intermediate Diaphragms and expansion Pier Diaphragms shall be poured prior to the Deck pour.
9. Pinned Abutment & Pier Diaphragms shall be poured concurrent with the Deck pour.
10. Contractor shall submit a Deck Pour Schedule to the Engineer for approval prior to placing concrete.
11. For size and spacing of anchorage bars for the 34" F-shape Concrete Bridge Barriers, see SD 1.01. Anchorage bars are included in the linear cost of the concrete Barriers.
12. For size and spacing of reinforcing bars, see SD 1.04.
13. Provide ½" threaded inserts at 42" maximum spacing and at a minimum distance for 24" from face of Abutments, Pier Caps or Interior Diaphragms.
14. For 2" HDPE Irrigation line hanger detail, See Irrigation Plans.
15. All cost associated with the construction of the Combination Pedestrian Traffic Bridge Railing, including conduits, pull boxes, sidewalk, railing, dado, anchorage bars and deck drains are included in pay item No. 6011132.
16. ITS and Irrigation elec. conduits are incidental to cost of Combination Pedestrian/Traffic Bridge Railing.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date
1	S.I.P. Deck Span 4	C. Pierchinelli	1/8/16

Designed JAW
Drawn HSS, MJL
Checked CAP
Proj. Engr. JAW

Structural Grace, Inc

Pima County Department of Transportation

TYP. DECK SECTIONS
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

Scale:	As Noted	Sheet S23 of S43	Page 92 of 203

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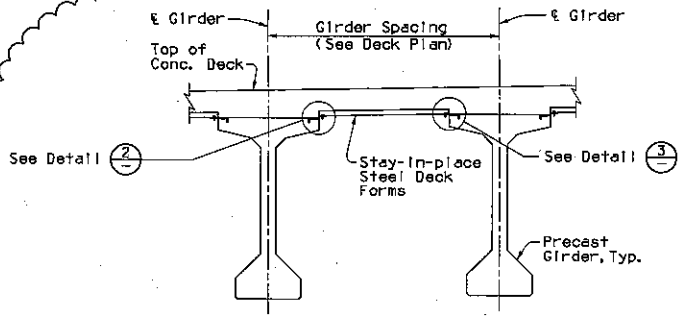
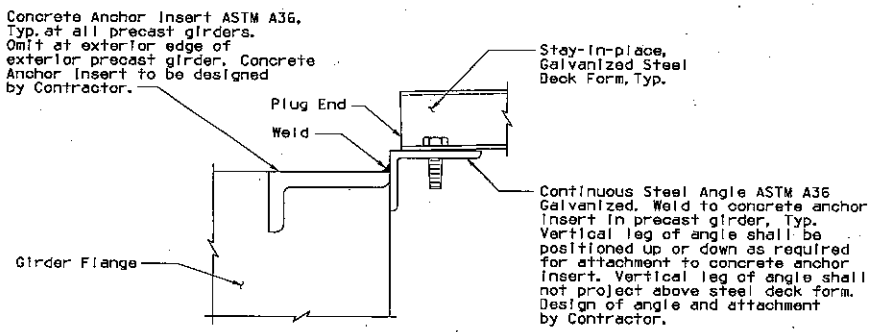


STAY-IN-PLACE STEEL DECK FORM DETAIL 1
No Scale



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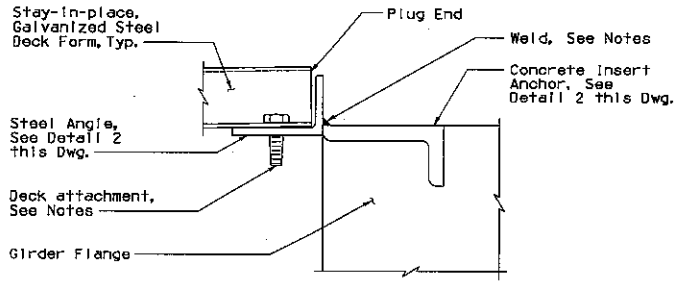

DETAIL 3
No Scale

STAY-IN-PLACE STEEL DECK FORM NOTES:

The elevation at the top of the girders shall be measured after erection of the girders and prior to placement of the steel deck forms.

The concrete insert anchors may be cast with the girder to accommodate the use of stay-in-place steel deck forms. Alternate methods of support will be considered provided the detail is adequate to support the loads, prevent leakage, and allow for adjustment for the varying build-up to maintain a constant deck thickness. The contractor shall determine the sizes of all screws, welds, angles, etc. to support the required loads.

Permanent steel stay-in-place forms shall conform to the requirements of ASTM A653 having a coating designation of G165. Structural Steel Grade 50 Class 3 shall not be used. Materials shall be 20 gauge or greater in thickness.

The contractor shall submit shop drawings showing details of the stay-in-place steel deck forms including the method of installation and adjustment for approval. The steel deck form submittal must be made simultaneously with the precast girder shop drawings to ensure coordination between the girder fabrication and the stay-in-place steel deck form design.

Dead loads shall include the weight of concrete, reinforcing steel, forms and falsework. The weight of concrete, reinforcing steel and forms shall be assumed to be not less than 160 pounds per cubic foot. Weight of forms and fill concrete shall not exceed 16 psf.

Live loads shall consist of the actual weight of any equipment to be supported by the forms applied as concentrated loads at the points of contact and a uniform load of not less than 50 pounds per square foot applied over the area supported.

The contractor shall use due care in the placement of the girders to ensure a constant distance is maintained between the girder flanges.

Stay-in-place steel deck form construction shall provide the required inserts for all under-deck utilities.

The stay-in-place steel deck forms and the attachments to the girders shall be designed by an engineer registered in Arizona.

The cost of the stay-in-place steel deck forms shall be incidental to the cost of the bridge deck.

See Special Provisions for additional information.

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date
1	New S.I.P. Deck Form Sht.	C. Perchinski	1/6/16

		Date
Designed	JAM	3/16
Drawn	JMS, MJL	3/16
Checked	CDP	3/16
Proj. Engr.	JAM	3/16

Structural Grace, Inc

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

Pima County Department of Transportation

STAY-IN-PLACE DECK FORM DETAILS
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

Scale:	As Noted	Sheet S23A of S43	Page 92A of 203

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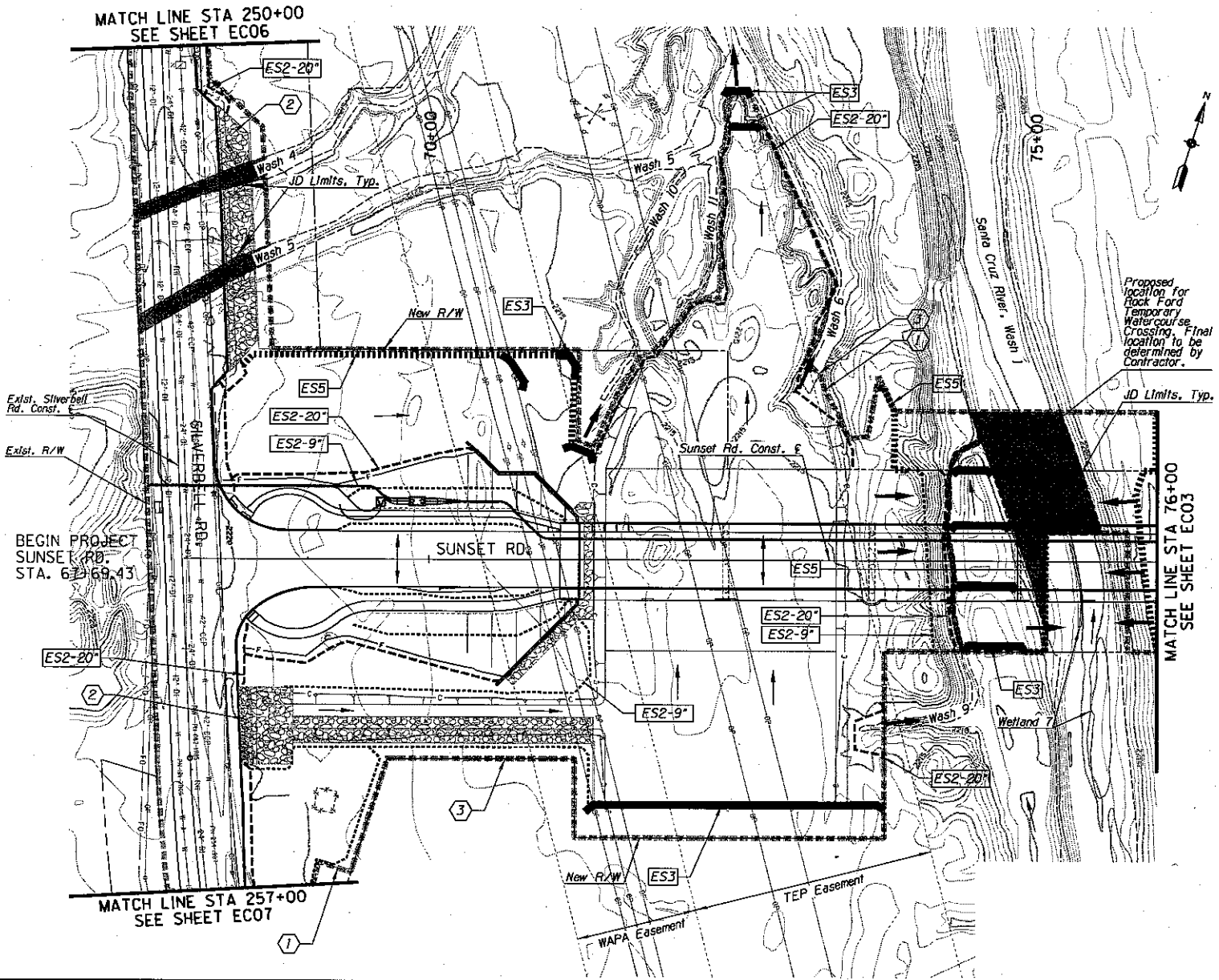

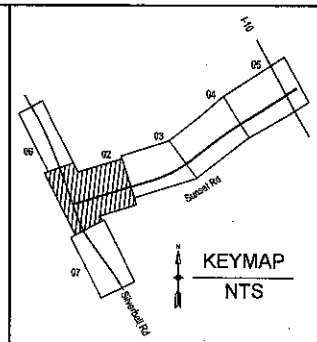

LEGEND

1	Preservation Fencing Refer to Preservation Fencing Plans	
2	Riprap Refer to Drainage Plans	
3	Project Disturbance Limits	

EROSION AND POLLUTION CONTROL BMP SCHEDULE

KEYNOTE	BMP	SYMBOL
ES1	20" Dia. Sediment Log	
ES2-9"	9" Dia. Sediment Wattle	
ES2-20"	20" Dia. Sediment Wattle	
ES3	Check Dam	
ES4	Cut/Fill Transition	
ES5	Sediment Control Berm	
	Flow Arrow	
	Stormwater Discharge Arrow	

NOTES:

1. Refer to Quantities & Notes Sheet, EC01, for quantities and General Notes.
2. Refer to Special Provisions for additional information.
3. Refer to Planting Plans and Specifications for all seeding and granite and rock mulch.
4. Refer to Drainage Plans and Details for permanent erosion control structures and all inlet/outlet protection.
5. Riprap is shown on plans for reference only, and is part of final stabilization. Refer to Drainage Plans and Details for Riprap locations.

40 0 40 80'

Scale: 1"=40' | Sheet EC02 of EC07 | Page 135 of 203

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JB	11/15
Drawn	JB	11/15
Checked	LS	11/15
Proj. Engr.	JB	11/15

WHEAT DESIGN GROUP
LANDSCAPE ARCHITECTS

EROSION AND POLLUTION CONTROL PLAN
STA. 68+27 TO STA. 76+00
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

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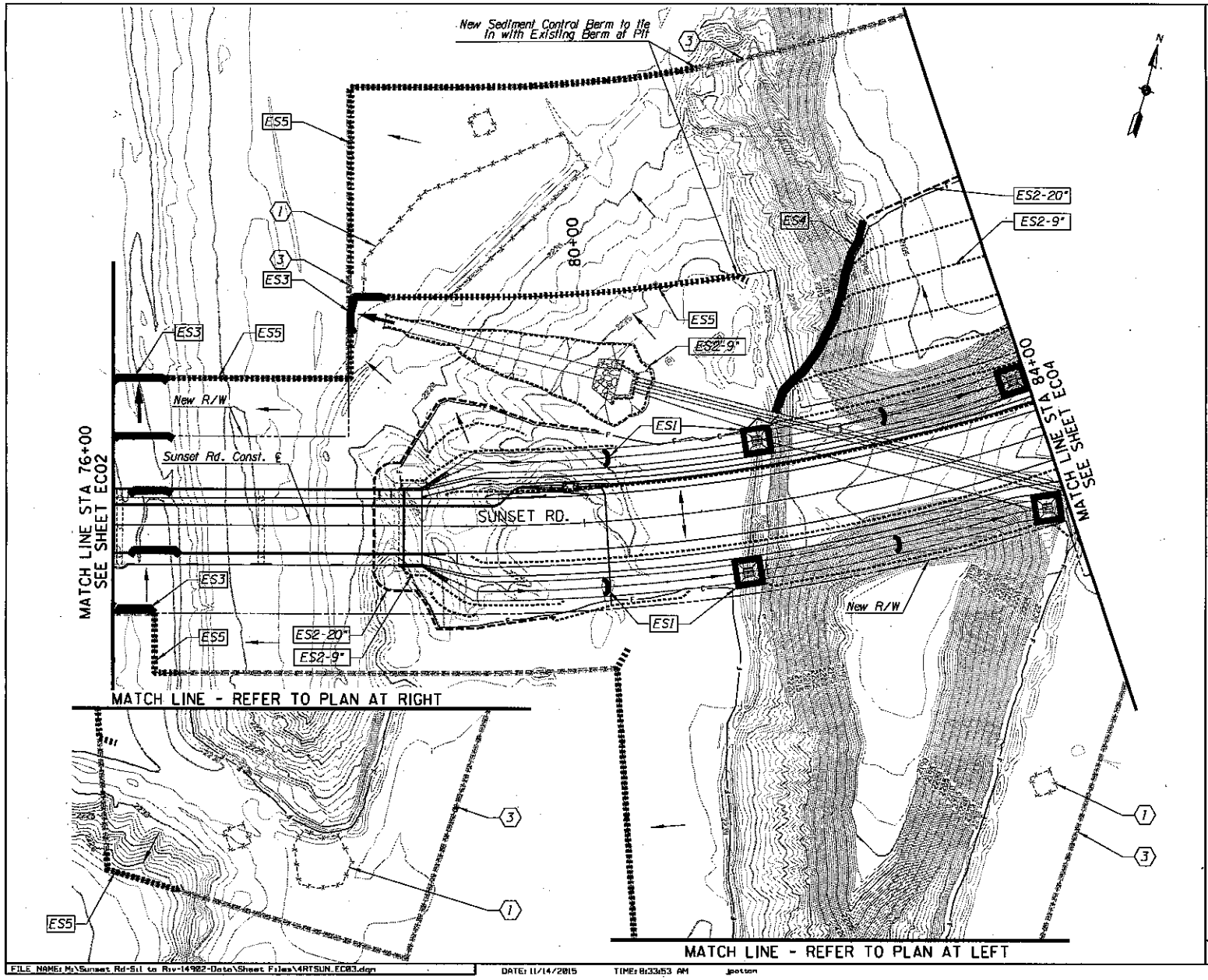

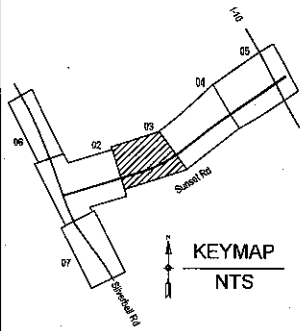

LEGEND

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40 0 40 80

Scale: 1"=40' | Sheet EC03 of EC07 | Page 136 of 203

Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JP	11/13
Drawn	JP	11/13
Checked	CS	11/13
Proj. Engr.	JP	11/13

WHEAT DESIGN GROUP
LANDSCAPE ARCHITECTS

EROSION AND POLLUTION CONTROL PLAN
STA. 76+00 TO STA. 84+00
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD – SILVERBELL ROAD TO I-10 – PROJECT NO. 4RTSUN

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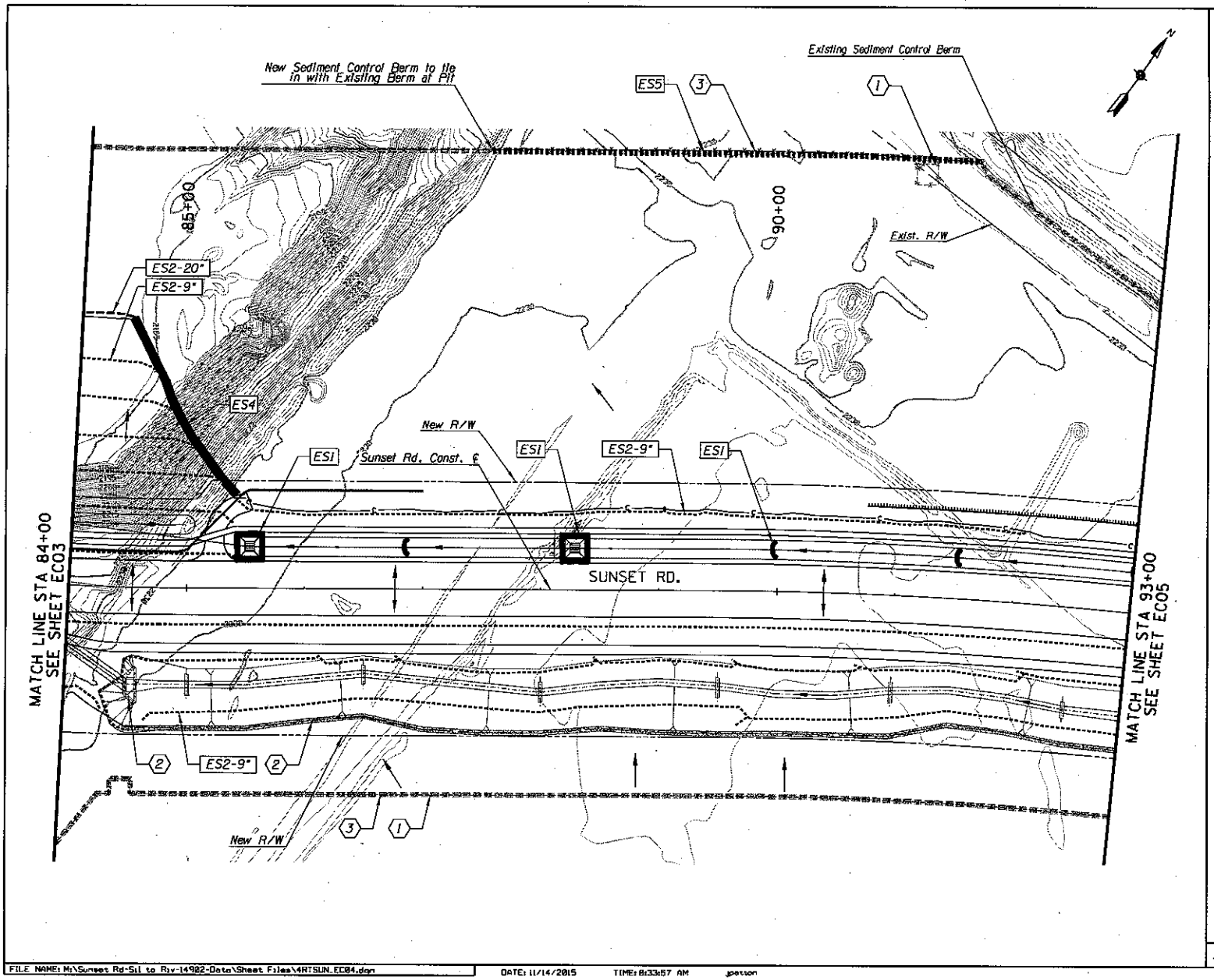

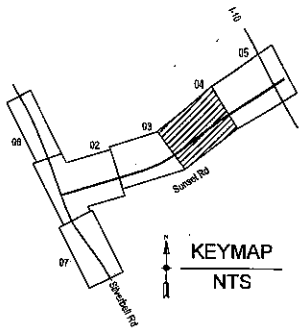

LEGEND

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EROSION AND POLLUTION CONTROL BMP SCHEDULE

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40 0 40 80'

Scale: 1"=40' | Sheet EC04 of EC07 | Page 137 of 203

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JB	11/15
Drawn	JB	11/15
Checked	CP	11/15
Proj. Engr.	JP	11/15

Pima County Department of Transportation

WHEAT DESIGN GROUP LANDSCAPE ARCHITECTS

EROSION AND POLLUTION CONTROL PLAN STA. 84+00 TO STA. 93+00
SUNSET ROAD - SEGMENT I
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

Erosion Site Stats
1400-5716-61
1400-1843-144

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

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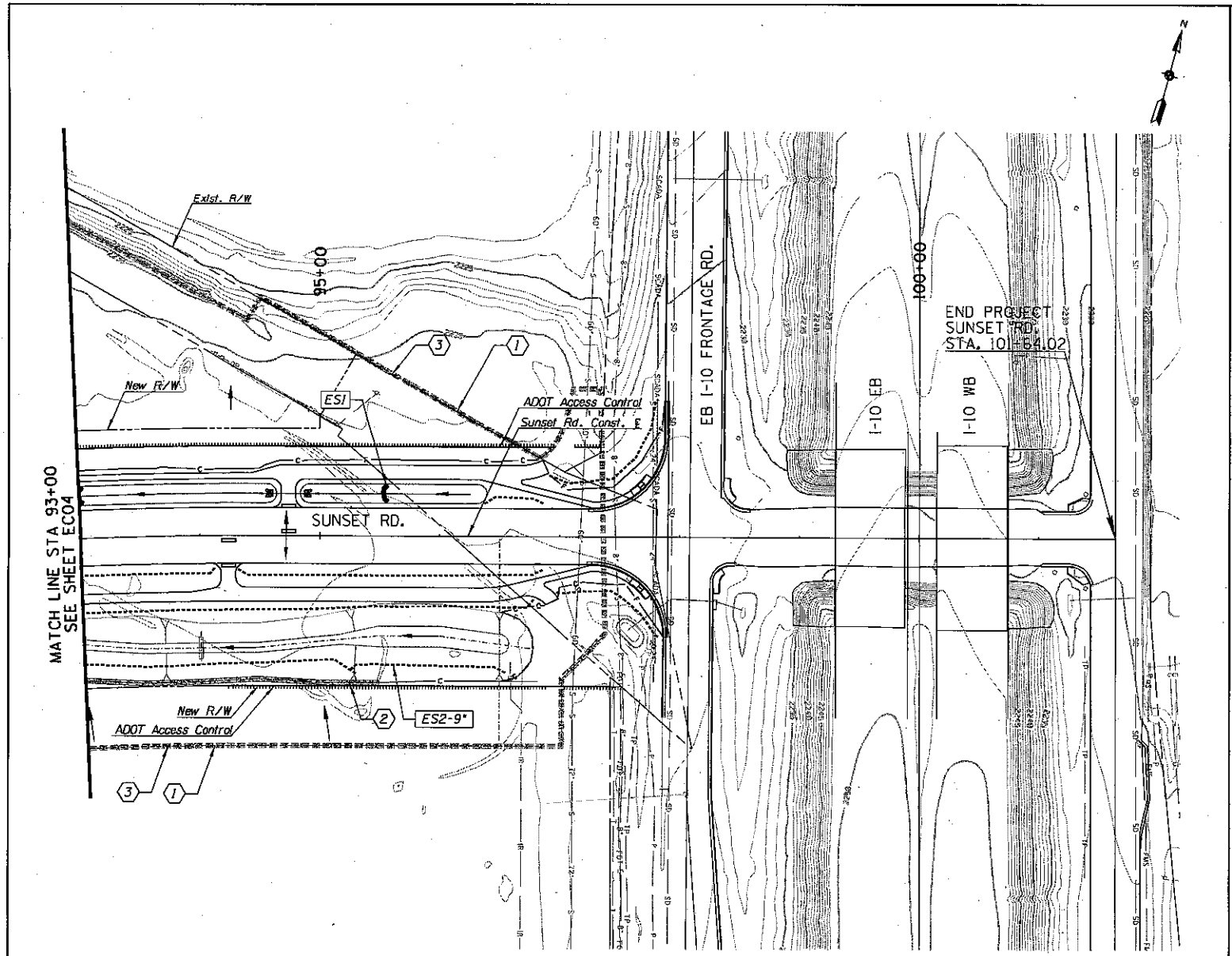

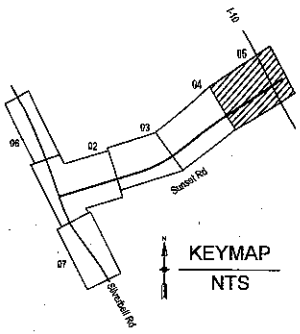

LEGEND

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Pima County Department of Transportation

Priscilla S. Cornelio, P.E., Director

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		Date
Designed	BP	11/15
Drawn	BP	11/15
Checked	LS	11/15
Proj. Engr.	BP	11/15

WHEAT DESIGN GROUP
LANDSCAPE ARCHITECTS

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

EROSION AND POLLUTION CONTROL PLAN
STA. 93+00 TO STA. 99+00
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

Scale: 1"=40' | Sheet EC05 of EC07

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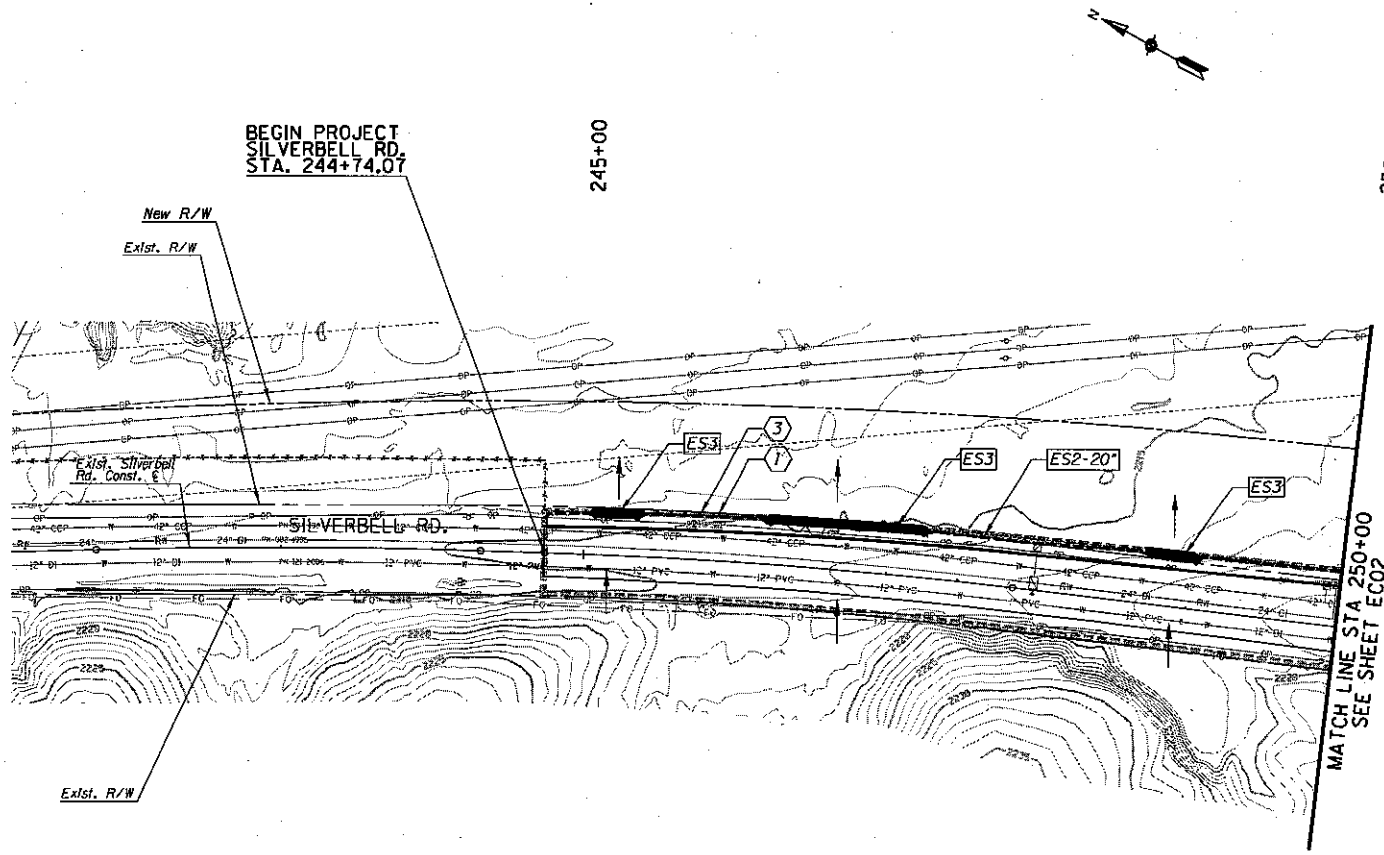
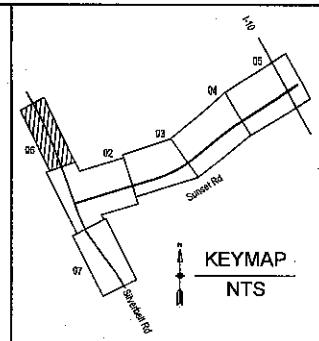




KEYMAP
NTS

LEGEND

1	Preservation Fencing Refer to Preservation Fencing Plans	
2	Riprap Refer to Drainage Plans	
3	Project Disturbance Limits	

EROSION AND POLLUTION CONTROL BMP SCHEDULE

KEYNOTE	BMP	SYMBOL
ES1	20" Dia. Sediment Log	
ES2-9"	9" Dia. Sediment Wattle	
ES2-20"	20" Dia. Sediment Wattle	
ES3	Check Dam	
ES4	Cut/Fill Transition	
ES5	Sediment Control Berm	
	Flow Arrow	
	Stormwater Discharge Arrow	

NOTES:
1. Refer to Quantities & Notes Sheet, EC01, for quantities and General Notes.
2. Refer to Special Provisions for additional information.
3. Refer to Planting Plans and Specifications for all seeding and granite and rock mulch.
4. Refer to Drainage Plans and Details for permanent erosion control structures and all inlet/outlet protection.
5. Riprap is shown on plans for reference only, and is part of final stabilization. Refer to Drainage Plans and Details for Riprap locations.

40 0 40 80

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JP	11/15
Drawn	JP	11/15
Checked	LR	11/15
Proj. Engr.	JP	11/15

WHEAT DESIGN GROUP
LANDSCAPE ARCHITECTS

Arizona Res Sales
1-800-STAR-IT
1-800-782-5318

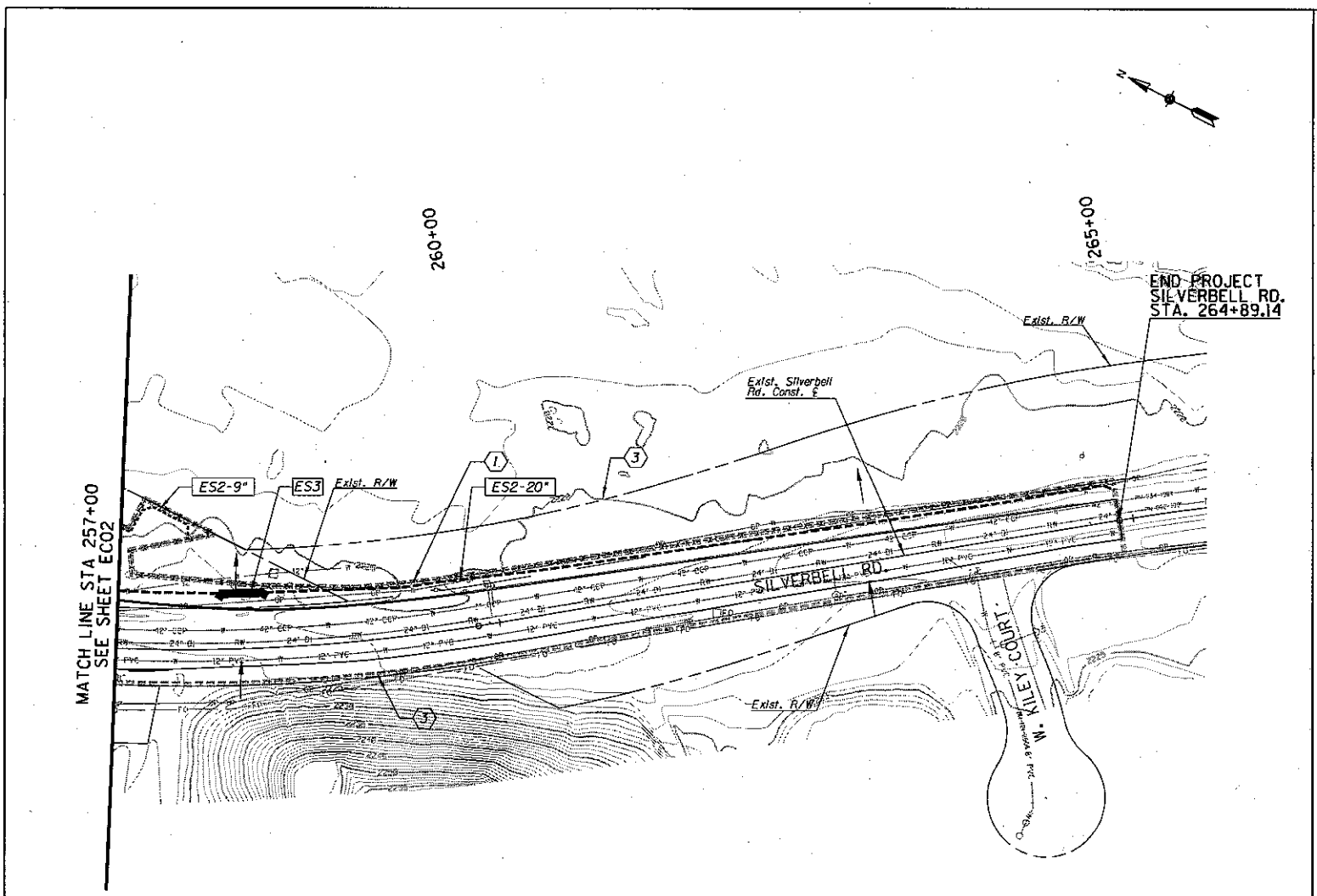
Pima County Department of Transportation

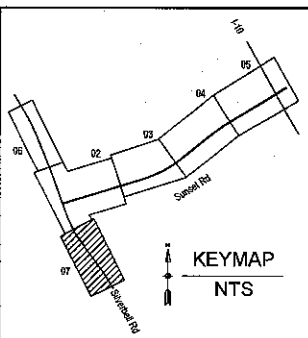
EROSION AND POLLUTION CONTROL PL
STA. 244+74.07 TO STA. 250+00
SUNSET ROAD - SEGMENT 1
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

Scale: 1"=40' | Sheet EC06 of EC07 | Page 139 of 203

FILE NAME: M:\Sunset Rd-Sil to Riv-14902-Data\Sheet Files\4RTSUN_EC06.dgn DATE: 11/14/2015 TIME: 8:34:04 AM jpetton





KEYMAP
NTS

LEGEND

1	Preservation Fencing Refer to Preservation Fencing Plans	
2	Riprap Refer to Drainage Plans	
3	Project Disturbance Limits	

EROSION AND POLLUTION CONTROL BMP SCHEDULE

KEYNOTE	BMP	SYMBOL
ES1	20" Dia. Sediment Log	
ES2-9"	9" Dia. Sediment Wattle	
ES2-20"	20" Dia. Sediment Wattle	
ES3	Check Dam	
ES4	Cut/Fill Transition	
ES5	Sediment Control Berm	
	Flow Arrow	
	Stormwater Discharge Arrow	

NOTES:
1. Refer to Quantities & Notes Sheet, EC01, for quantities and General Notes.
2. Refer to Special Provisions for additional information.
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40 0 40 80'

Priscilla S. Cornelio, P.E., Director

No.	Revision Description	Engineer	Date

		Date
Designed	JP	11/15
Drawn	JP	11/15
Checked	LR	11/15
Proj. Engr.	JP	11/15

WHEAT DESIGN GROUP
LANDSCAPE ARCHITECTS

Pima County Department of Transportation

EROSION AND POLLUTION CONTROL PL
STA. 257+00 TO STA. 264+89.14
SUNSET ROAD - SEGMENT I
SILVERBELL RD. TO I-10
PROJECT NO. 4RTSUN

SUNSET ROAD - SILVERBELL ROAD TO I-10 - PROJECT NO. 4RTSUN

Scale: 1" = 40' | Sheet EC07 of EC07 | Page 140 of 203

FILE NAME: M:\Sunset Rd-Sil to Riv-14902-Data\Sheet Files\4RTSUN_EC07.dgn DATE: 11/14/2015 TIME: 8:34:07 AM jpotten