



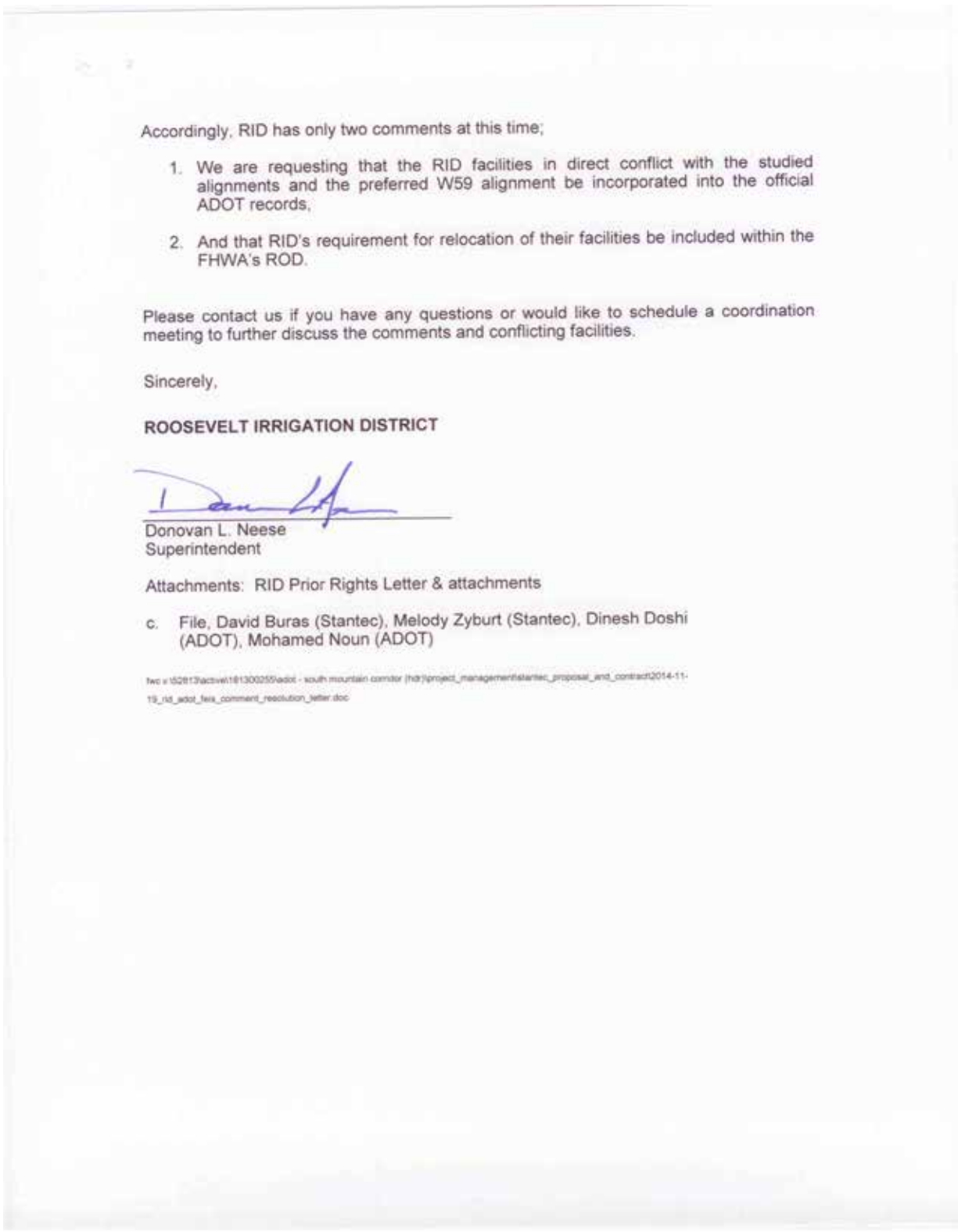

**BUSINESS COMMENTS AND RESPONSES**

Code	Comment Document
1	<div><p><b>From:</b> Zybur, Melody [mailto:melody.zybur@stantec.com] <b>Sent:</b> Tuesday, November 25, 2014 3:36 PM <b>To:</b> Projects <b>Cc:</b> Donovan L. Neese (dneese@rooseveltirrigation.org); Buras, David; Dinesh Doshi; Seyedkamal Mirtalaei; Mohamed A. Noun <b>Subject:</b> Roosevelt Irrigation District Comment - ADOT South Mountain Freeway FEIS <b>Importance:</b> High</p><p>To Whom it may concern,</p><p>For the Roosevelt Irrigation District (RID), please find attached comments to the Final Environmental Impact Statement for the ADOT South Mountain Freeway (Loop 202) project.</p><p>Due to the size of the attachment, we have also provided the RID Comment package on a temporary Stantec FTP site for your downloading requirements. Provided below are access instructions:</p><p>Please use the automatic login link below to access your site. You have also been provided a manual link, username and password in case your computer disables the automatic login link.</p><p><b>Automatic Login</b> <b>FTP site link:</b> <a href="ftp://s1209153135:9208539@ftptmp.stantec.com">ftp://s1209153135:9208539@ftptmp.stantec.com</a> By clicking on the link above (or pasting the link into Windows Explorer) you will be automatically logged into your FTP site.</p><p><b>Manual Login</b> <b>FTP link:</b> <a href="ftp://ftptmp.stantec.com">ftp://ftptmp.stantec.com</a> <b>Login name:</b> s1209153135 <b>Password:</b> 9208539 <b>Disk Quota:</b> 2GB <b>Expiry Date:</b> 12/9/2014</p><p>Do not hesitate to contact either Donovan Neese or me if you have any immediate questions or would like to schedule a coordination meeting to discuss the comments.</p><p>Regards, Melody</p><p><b>Melody Zybur</b> Project Manager Stantec 8211 South 48th Street Phoenix AZ 85044-5355 Phone: 602-438-2200 ext 4773 Fax: 602-431-9562 <a href="mailto:melody.zybur@stantec.com">melody.zybur@stantec.com</a></p><p></p><p><b>Celebrating 60 years of community, creativity, and client relationships.</b></p><p>The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.</p><p> Please consider the environment before printing this email.</p><p>Confidentiality and Nondisclosure Notice: This email transmission and any attachments are intended for use by the person(s)/entity(ies) named above and may contain confidential/privileged information. Any unauthorized use, disclosure or distribution is strictly prohibited. If you are not the intended recipient, please contact the sender by email, and delete or destroy all copies plus attachments.</p></div>

Code	Issue	Response
1		Comment noted. Responses to specific comments are provided on the following pages.

Code	Comment Document
2	<div><p><b>ROOSEVELT IRRIGATION DISTRICT</b></p><p>103 West Baseline Road • Buckeye, AZ 85326 • Phone (623) 386-2046 • Fax (623) 386-4360</p><div><div><u>Board of Directors</u> W. Bruce Heiden, President Dwight B. Leister K. C. Gingg</div><div><u>Superintendent</u> Donovan L. Neese</div></div><p>19 November 2014</p><p>South Mountain Freeway Project Team Arizona Department of Transportation 1655 W. Jackson Street, MD 126F Phoenix, AZ 85007</p><p><b>Attention:</b> South Mountain Freeway Project Team</p><p>Dear South Mountain Freeway Project Team,</p><p><b>Reference:</b> South Mountain Freeway (Loop 202) Interstate 10 (Papago Freeway) to Interstate 10 (Maricopa Freeway) ADOT Project No. 202L MA 054 H5764 01L FHWA-AZ-EIS-14-01-F RID Comments to Final Environmental Impact Study</p><p>The Roosevelt Irrigation District (RID) is hereby providing comments to the September 2014 published Final Environmental Impact Study (FEIS) for ADOT's South Mountain Freeway (Loop 202) project. RID is not opposed to the alignments that have been presented, but are concerned that several RID irrigation facilities were overlooked during the planning stages of this project.</p><p>On behalf of RID, Stantec Consulting Services Inc. (SCSI) completed a review of the FEIS report and associated supplementary documents. The purpose of the review was to confirm that the FEIS properly identified RID facilities within the ADOT South Mountain Study Area, and that conflicts with RID facilities were addressed. Subsequently, SCSI prepared a technical memorandum identifying those RID facilities what were in conflict with the Loop 202 project, but were not incorporated into the published FEIS. The memorandum identifies those portions of the RID Main Canal, Salt Canal and RID wells # 107 and 108 which will be impacted by the construction of the Loop 202 project, and provided prior rights documents specific to the preferred W59 alignment alternative (please refer to the attached SCSI technical memorandum for locations and prior rights documentation).</p><p>Per discussion with SCSI, the RID understands that the FEIS report will not be updated to incorporate these potential conflicts, but these facilities will be addressed in the Federal Highway Administration's Record of Decision (ROD) document that is anticipated to be issued in early 2015.</p></div>
3	

Code	Issue	Response
2	Water Resources	<p>The Roosevelt Irrigation District facilities were included in the Final Environmental Impact Statement. Active groundwater wells, such as the Roosevelt Irrigation District's wells number 107 and 108, are depicted in Figure 4-33 on page 4-104 in the Final Environmental Impact Statement. Irrigation canals, such as the Roosevelt Irrigation District's Main Canal and Salt Canal, are depicted in Figure 4-34 on page 4-107 of the Final Environmental Impact Statement. These facilities, as well as others within the Study Area, were considered in the impacts analysis for the alternatives studied in detail. Mitigation measures and details related to how wells and canals will be addressed during later phases of the project are described beginning on page 4-106.</p> <p>The attached technical memorandum and prior rights documentation was forwarded to the Arizona Department of Transportation Utilities and Railroad Engineering group for use in future coordination with the Roosevelt Irrigation District during final design.</p>
3	Record of Decision	<p>The letter and supporting documentation from the Roosevelt Irrigation District will be incorporated into the project record as part of this Appendix A. No further consideration of the specific facilities will be made in the Record of Decision because they were addressed in the Final Environmental Impact Statement, and future coordination with the Roosevelt Irrigation District will occur during final design.</p>

Code	Comment Document
2	 <p>Accordingly, RID has only two comments at this time;</p> <ol style="list-style-type: none"><li>1. We are requesting that the RID facilities in direct conflict with the studied alignments and the preferred W59 alignment be incorporated into the official ADOT records;</li><li>2. And that RID's requirement for relocation of their facilities be included within the FHWA's ROD.</li></ol> <p>Please contact us if you have any questions or would like to schedule a coordination meeting to further discuss the comments and conflicting facilities.</p> <p>Sincerely,</p> <p><b>ROOSEVELT IRRIGATION DISTRICT</b></p> <p> Donovan L. Neese Superintendent</p> <p>Attachments: RID Prior Rights Letter &amp; attachments</p> <p>c. File, David Buras (Stantec), Melody Zyburt (Stantec), Dinesh Doshi (ADOT), Mohamed Noun (ADOT)</p> <p><small>two n 152813active1181300255adot - south mountain corridor (htr)project_managementstantec_proposal_and_contract2014-11-19_rid_adot_fewa_comment_resolution_letter.doc</small></p>
3	

Code	Issue	Response



Code Comment Document

## ROOSEVELT IRRIGATION DISTRICT

103 West Baseline Road ♦ Buckeye, AZ 85326 ♦ Phone (623) 386-2046 ♦ Fax (623) 386-4360

### Board of Directors

W. Bruce Heiden, President  
Dwight B. Leister  
K. C. Gingg

### Superintendent

Donovan L. Neese

19 November 2014

Arizona Department of Transportation  
Utilities & Railroad Engineering Section  
205 S. 17<sup>th</sup> Avenue – Mail Drop 618E  
Phoenix, AZ 85007

**Attention: Mr. Dinesh Doshi**

Dear Mr. Doshi,

**Reference: South Mountain Freeway (Loop 202)  
Interstate 10 (Papago Freeway) to Interstate 10 (Maricopa Freeway)  
ADOT Project No. 202L MA 054 H5764 01L  
FHWA-AZ-EIS-14-01-F**


Enclosed is the Roosevelt Irrigation District (RID) prior rights documentation for those portions of the RID Main Canal, Salt Canal and RID wells # 107 and 108 which will be impacted by the construction of the referenced freeway project.

This documentation is being submitted to demonstrate RID's prior rights within the ADOT preferred W59 alignment, but also documents potential impacts for the non-preferred W71 alignment and the W101 Western, Eastern and Central alignments.

Please contact us if you have any questions or need additional information.

Sincerely,

**ROOSEVELT IRRIGATION DISTRICT**



Donovan L. Neese  
Superintendent

Attachments: Technical Memo FEIS and Prior Rights Documents

c. File, David Buras (Stantec), Melody Zybert (Stantec), Mohamed Noun (ADOT)

file:///C:/Users/Donovan/OneDrive/Documents/2014-11-19\_rid\_prior\_rights\_letter.doc

Code	Issue	Response
4		Prior rights documentation reviewed.

Code	Comment Document
	<div>19280418_DEED_220_226_1</div> <div>226</div> <div>Unofficial Document</div> <div><p>7. That no building, house, garage or other out-building shall be erected or placed on said Place, the main wall of which is nearer than thirty feet (30 ft.) to the front line of lot or house, garage or other out-building is built.</p><p>8. That the lots in said Alvarado Place shall not be leased, let, sold or transferred to any person or persons not of the White or Caucasian Race. It being expressly understood and agreed that the said Alvarado Place has been set out and subdivided and is now set out and subdivided as a choice residential subdivision.</p><p>And it is hereby agreed by and between the parties hereto that the foregoing covenants and restrictions shall run with and shall appertain to and be appurtenant with each and every lot in said Alvarado Place, as the said Alvarado Place at the date of these presents is subdivided, platted or laid out, and that in the event of the breach of any of the foregoing covenants or restrictions that the lot or lots upon which breach any of the foregoing covenants or restrictions is committed or suffered to be permitted shall be and become the property of the Grantor, or its successors and assigns; any person, firm or corporation owning any right, title, claim or interest in and to any of the lots in said Alvarado Place may be plaintiff in any suit or action filed to prevent the violation of any covenant or restriction provided, however, that no forfeiture shall in anywise affect any valid mortgage or lien made in good faith and not made for the purpose of defeating such forfeiture when such mortgage or lien shall have been of record prior to the time when the right to bring such action for forfeiture shall have been acquired; provided further that in the event of the foreclosure of said mortgage and the sale of the property therein the purchaser thereof under such sale shall be bound by the covenants and conditions and stipulations herein contained.</p><p>TO HAVE AND TO HOLD the above described premises, together with all and singular the rights and appurtenances thereto in anywise belonging unto the said Sam P. Applewhite, Jr., heirs and assigns forever.</p><p>And the said corporation hereby binds itself and its successors to warrant and forever defend, all and singular, the premises unto the said Sam P. Applewhite, Jr., heirs and assigns, against every person whomsoever, lawfully claiming or to claim the same or any part thereof.</p><p>IN WITNESS WHEREOF, the said LANE-SMITH INVESTMENT COMPANY, by its President and Secretary-Treasurer thereunto duly authorized, has caused its corporate name to be hereunto subscribed and its corporate seal to be hereunto affixed this 18th day of April, 1928.</p><p>(Corporate Seal) LANE-SMITH INVESTMENT COMPANY By Eden E. Lane, President. By Milton P. Smith, Secretary and Treasurer.</p><p>STATE OF ARIZONA, County of Maricopa, ss.</p><p>Before me, J. M. Downie, a Notary Public in and for said County, State of Arizona, personally appeared Eden E. Lane and Milton P. Smith, known to me to be the persons whose names are subscribed to the foregoing instrument as the President and Secretary-Treasurer of the Corporation described in the foregoing instrument and as such officers acknowledged to me that they executed the same for said Corporation, for the purpose and consideration therein expressed, as its free act and deed, and by each of them voluntarily executed.</p><p>Given under my hand and seal of office, this 18th day of April, A. D., 1928.</p><p>(Seal) (My Commission Expires 3/7/32.) Jno. M. Downie, Notary Public.</p><p>Filed and recorded at request of Sam P. Applewhite, Jr., Apr. 18 1928 at 3:40 P. M.</p><p>#13461 W. E. Linville, County Recorder. By Addie F. Maury, Deputy.</p><p>COMPARED READ TO READ BY</p><p>WARRANTY DEED</p><p>APPROVED Date 4/18/28 Jno. B. White Clerk Board of Supervisors, Maricopa County.</p><p>STATE OF ARIZONA, County of Maricopa, ss.</p><p>KNOW ALL MEN BY THESE PRESENTS: That JAMES E. CARLTON and AMY E. CARLTON, man and wife, of the County of Maricopa, State of Arizona, for and in consideration of Ten Thousand Five Hundred (\$10,500.00) DOLLARS, to them in hand paid by THE ROOSEVELT IRRIGATION DISTRICT, a corporation, have granted, sold and conveyed, and by these presents do grant, sell and convey unto the said THE ROOSEVELT IRRIGATION DISTRICT, a corporation, all that certain premises in Maricopa County, Arizona, described as follows, viz:</p><p>A strip of land in the Northeast quarter (NE<math>\frac{1}{4}</math>) of Section 18, T 1 N, R 2 E of the G &amp; S R B &amp; M, 90 feet in width, 45 feet on each side of a center line described as follows:</p><p>Using as a base the north half of the east line of Section 18, with an assumed bearing of N 0° 27' W and beginning at a point 45 feet north and 33 feet west of the NE corner of said section 18; thence North 89° 15' West, a distance of 1290.4' to a point; thence N 0° 17' East, a distance of 1535.8 feet to a point; thence E 89° 43' West, a distance of 1263.3' to a point; thence N 0° 15' E a distance of 215' to a point; said point being 1225' south of the north line of said Section 18, containing 8.2 acres, more or less.</p><p>To have and to hold the above described premises, together with all and singular the rights and appurtenances thereto in anywise belonging unto the said THE ROOSEVELT IRRIGATION DISTRICT, a corporation, its successors and assigns forever.</p><p>And we hereby bind ourselves, our heirs, executors and administrators, to warrant and forever defend, all and singular, the premises unto the said THE ROOSEVELT IRRIGATION DISTRICT, a corporation, — every person whomsoever, lawfully claiming or to claim the same or any part thereof.</p><p>Witness our hands this 10th day of April, A. D. 1928.</p><p>Signed, Sealed and Delivered in the presence of -- James E. Carlton (Seal) Amy E. Carlton (Seal)</p><p>STATE OF ARIZONA, County of Maricopa, ss.</p><p>Before me, — a Notary Public in and for the County of Maricopa, State of Arizona, on this day personally appeared JAMES E. CARLTON and AMY E. CARLTON, man and wife, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purpose and consideration therein expressed.</p><p>Given under my hand and seal of office, this 10th day of April, A. D. 1928.</p><p>(Seal) (My Commission expires September 22-1928. Em. Mishka, Notary Public.</p><p>Filed and recorded at request of Roosevelt Irrigation District Apr 18 1928 at 3:45 P. M. #13462 W. E. Linville, County Recorder. By Addie F. Maury, Deputy.</p><p>COMPARED READ TO READ BY</p></div>

Code	Issue	Response

Code Comment Document

6633 W. V. Bureau 6E-57

# DEED

Know all men by these presents, that the SALT RIVER VALLEY WATER USERS' ASSOCIATION, a corporation, organized and existing under the laws of the State of Arizona, for and in consideration of the sum of Two Hundred Twenty-two Thousand (\$222,000.00) Dollars, to it in hand paid by ROOSEVELT IRRIGATION DISTRICT, a municipal corporation existing under and by virtue of the laws of the State of Arizona, has granted, sold, conveyed and transferred, and does hereby grant, sell, convey and transfer, free of all liens and encumbrances, unto said Roosevelt Irrigation District, all of the right, title, claim and interest which said Salt River Valley Water Users' Association has in and to certain twenty-six (26) pumping plants, consisting of wells with pumps, motors, houses and appurtenant appliances and equipment, and ten (10) certain ditches with appurtenant structures and connections for carrying water produced by the aforesaid pumping plants, excepting from the property so conveyed and transferred, however, all headgates, ditches, connections and appliances appurtenant to any or all of said pumping plants or ditches which were constructed or which are or may be used for the delivery of water from any or all of said pumping plants or ditches to individual tracts of the Salt River Arizona Project lands, or to Salt River Arizona Project ditches, the title to said headgates, ditches, connections and appliances so excepted to remain in the Salt River Valley Water Users' Association or the United States of America, and said headgates, ditches, connections and appliances shall be left by the District in place and in condition for use in the event of it becoming necessary or desirable at any time to utilize them.

375  
50 KUM

## KNOW ALL MEN BY THESE PRESENTS:

That the SALT RIVER VALLEY WATER USERS' ASSOCIATION, a corporation, organized and existing under the laws of the State of Arizona, for and in consideration of the sum of Two Hundred Twenty-two Thousand (\$222,000.00) Dollars, to it in hand paid by ROOSEVELT IRRIGATION DISTRICT, a municipal corporation existing under and by virtue of the laws of the State of Arizona, has granted, sold, conveyed and transferred, and does hereby grant, sell, convey and transfer, free of all liens and encumbrances, unto said Roosevelt Irrigation District, all of the right, title, claim and interest which said Salt River Valley Water Users' Association has in and to certain twenty-six (26) pumping plants, consisting of wells with pumps, motors, houses and appurtenant appliances and equipment, and ten (10) certain ditches with appurtenant structures and connections for carrying water produced by the aforesaid pumping plants, excepting from the property so conveyed and transferred, however, all headgates, ditches, connections and appliances appurtenant to any or all of said pumping plants or ditches which were constructed or which are or may be used for the delivery of water from any or all of said pumping plants or ditches to individual tracts of the Salt River Arizona Project lands, or to Salt River Arizona Project ditches, the title to said headgates, ditches, connections and appliances so excepted to remain in the Salt River Valley Water Users' Association or the United States of America, and said headgates, ditches, connections and appliances shall be left by the District in place and in condition for use in the event of it becoming necessary or desirable at any time to utilize them.

The pumping plants hereby conveyed and transferred are more particularly described as follows, all being within Maricopa County, State of Arizona, and lying North and East of the Gila and Salt River Base and Meridian, to-wit:

-1-

TOTAL	48,000	00	48,000	00	48,476	00	48,476	0
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THIS STATEMENT COVERS MONEY SETTLEMENT THROUGH ESCROW ONLY KEEP IT AS A REFERENCE FOR TAX PURPOSES  
FATCOA 6319

Code	Issue	Response

Code Comment Document

PUMPING PLANT 4 E - 12 N ✓

and appurtenances, with well-site described as follows:  
 All, excepting the part occupied by the County Road, of the  
 South 58 feet of the East 103 feet of the Southeast Quarter  
 of the Southeast Quarter of Section 54, Township 3 North,  
 Range 1 East.

PUMPING PLANT 2 E - 12 N ✓

and appurtenances, with well-site described as follows:  
 All, excepting the part occupied by the County Road, of the  
 North 83 feet of the East 50 feet of the Northwest Quarter  
 of the Northwest Quarter of Section 4, Township 2 North,  
 Range 1 East.

PUMPING PLANT 2 E - 11 1/2 N ✓

and appurtenances, with well-site described as follows:  
 All, excepting that part occupied by the County Road, of the  
 North 50 feet of the West 83 feet of the Northwest Quarter  
 of the Southwest Quarter of Section 4, Township 2 North,  
 Range 1 East.

PUMPING PLANT 3 E - 11 1/2 N ✓

and appurtenances, with well-site described as follows:  
 A Tract of land situated in Section 4, Township 2 North, Range  
 1 East, described as follows:  
 Beginning at the Southeast corner of said tract thirty-three  
 (33) feet West of the East Quarter corner of said Section 4,  
 thence North thirty-six (36) feet to the Northeast corner of  
 tract, thence West thirty (30) feet to the Northwest corner,  
 thence South thirty-six (36) feet to the Southwest corner, thence  
 East thirty (30) feet to the point of beginning, containing  
 0.025 acres more or less.

PUMPING PLANT 2 E - 11 N ✓

and appurtenances, with well-site described as follows:  
 All, excepting the part occupied by the County Road, of the  
 North 83 feet of the West 83 feet of the Northwest Quarter of  
 the Northwest Quarter of Section 9, Township 2 North, Range 1 East.

PUMPING PLANT 2 E - 10 1/2 N ✓

and appurtenances, with well-site described as follows:  
 All, excepting that part occupied by the County Road, of the  
 North 50 feet of the West 83 feet of the Northwest Quarter  
 of the Southwest Quarter of Section 9, Township 2 North, Range 1 East.

PUMPING PLANT 1 1/2 E - 10 N ✓

and appurtenances, with well-site described as follows:  
 The South 50 feet of the North 74 feet of the West 50 feet  
 of the East 455 feet of the Northwest Quarter of Section 17,  
 Township 2 North, Range 1 East.

PUMPING PLANT 1 E - 9 N ✓

and appurtenances, with well-site described as follows:

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Code	Issue	Response



Code	Comment Document
	<p>All, excepting that part occupied by the County Road, of the North 83 feet of the West 83 feet of the Northwest Quarter of the Northwest Quarter of Section 20, Township 2 North, Range 1 East.</p> <p><u>PUMPING PLANT 1 E - 6 N</u> ✓</p> <p>and appurtenances, with well-site described as follows: All, excepting that part occupied by the County Road, of the South 83 feet of the West 83 feet of the Southwest Quarter of the Southwest Quarter of Section 20, Township 2 North, Range 1 East.</p> <p><u>PUMPING PLANT 2 E - 6 N</u> ✓</p> <p>and appurtenances, with well-site described as follows: Beginning at the Southeast corner of said tract, which corner is 33 feet due North of a point 34 feet due West of the Southeast corner of Section 32, Township 2 North, Range 1 East, Gila and Salt River Base and Meridian; thence due West 30 feet to the Southwest corner of said tract; thence due North 25 feet to the Northwest corner of said tract; thence due East 30 feet to the Northeast corner of said tract; thence due South 25 feet to the Southeast corner of said tract; to the point of beginning, containing Seventeen thousandths (0.017) of an acre, more or less.</p> <p><u>PUMPING PLANT 3 E - 6 N</u> ✓</p> <p>and appurtenances, with well-site described as follows: All, excepting the part occupied by the County Road, of the North 98 feet of the East 98 feet of the Northeast Quarter of the Northeast Quarter of Section 4, Township 1 North, Range 1 East.</p> <p><u>PUMPING PLANT 4 E - 6 N</u> ✓</p> <p>And appurtenances, with well-site described as follows: All, excepting the part occupied by the County Road, of the North 83 feet of the West 83 feet of the Northwest Quarter of the Northwest Quarter of Section 2, Township 1 North, Range 1 East.</p> <p>X <u>PUMPING PLANT 5 E - 5 N</u> ✓</p> <p>and appurtenances, with well-site described as follows: Using as a base the line between the North Quarter N<sup>1</sup>/<sub>4</sub> corner and the Northwest corner of Section 12, Township 1 North, Range 1 East, based on a magnetic bearing of South 89° 40' West, beginning at the Northwest corner of said tract, which is 33 feet North 89° 40' East from a point 38 feet South 0° 20' East from the Northwest corner of Northwest corner of said Section 12; thence North 89° 40' East 25 feet to the Northeast corner of said tract; thence South 0° 20' East 30 feet to the Southeast corner of said tract; thence South 89° 40' West 25 feet to the Southwest corner of said tract; thence North 0° 20' West 30 feet to the Northwest corner of said tract; the point of beginning, containing seventeen thousandths (0.017) of an acre, more or less.</p> <p>X <u>PUMPING PLANT 6 E - 5 N</u> ✓</p> <p>and appurtenances, with well-site described as follows: Beginning at the Northwest (NW) corner of said tract, which corner is 55 feet South of a point on the North line of Section 7, Township 1 North, Range 2 East, distant 208.71' East from the Northwest (NW) corner of said Section; thence East 25 feet to</p> <p>-3-</p>

Code	Issue	Response

the Northeast (NE) corner; thence South 30 feet to the Southeast (SE) corner; thence West 25 feet to the Southwest (SW) corner; thence North 30 feet to the Northwest (NW) corner, the point of beginning, containing 0.017 acres, more or less.

PUMPING PLANT 7 E - 5 N

and appurtenances, with well-site described as follows:  
Using as a base the line between the South Quarter (S $\frac{1}{4}$ ) corner Section Six (6) Township One (1) North, Range Two (2) East, and Northwest corner of said Section 8 of said Township, based on a magnetic bearing of South 89° 38' West, beginning at the Northwest corner said tract, said corner being 33 feet North 89° 38' East of a point 58.5 feet South 0° 22' East from Northwest corner said Section 8; thence North 89° 58' East 25 feet to the Northeast corner said tract; thence South 0° 22' East 30 feet to the Southeast corner said tract; thence South 89° 38' West 25 feet to the Southwest corner said tract; thence North 0° 22' West 30 feet to the Northwest corner said tract; the point of beginning, containing Seventeen Thousandths (0.017) of an acre, more or less.

PUMPING PLANT 8 E - 5 N

and appurtenances, with well-site described as follows:  
Beginning at the NW corner which is 53 feet South of a point on the North line of Section 9, Township 1 North, Range 2 East, distant 33 feet East of the NW corner of said Section 9; thence East 25 feet to the NE corner; thence South 30 feet to the SE corner; thence West 25 feet to the SW corner; and thence North 30 feet to the NW corner of the place of beginning, containing 0.017 acres, more or less.

PUMPING PLANT 9 E - 5 N

and appurtenances, with well-site described as follows:  
Using as a base the line between the South Quarter (S $\frac{1}{4}$ ) corner of Section 5, Township 1 North, Range 2 East, and the Northwest corner Section 9 of said Township, based on a magnetic bearing of South 89° 38' West, beginning at the Northwest corner said Section 9, thence North 89° 22' 30" East 600 feet; thence North 89° 23' East 2200 feet; thence North 89° 22' 30" East 1655.8 feet; thence South 0° 38' East 75 feet to the true point of beginning; thence South 0° 38' East 30 feet; thence South 89° 22' West 25 feet; thence North 0° 38' West 30 feet; thence North 89° 22' East 25 feet to the true point of beginning, containing seventeen thousandths (0.017) of an acre, more or less.

PUMPING PLANT 10 E - 5 N

and appurtenances, with well-site described as follows:  
Beginning at the NE corner of said tract, which corner is 53.0 feet N 89° 08' West of a point 83.0 feet S 0° 52' W. of the NE corner of Section 10, Township 1 North, Range 2 East, based on magnetic declination of 14° 22'; thence S 0° 52' W., 20 feet to the SE corner of said tract; thence N 89° 08' W., 25 feet to the SW corner of said tract; thence N 0° 52' E., 30 feet to the NW corner of said tract; thence S 89° 08' East 25 feet to the NE corner of said tract; the point of beginning, containing 0.017 acres, more or less.

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Code	Issue	Response





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	<p>The North 50 feet of the South 140 feet of all, excepting the part occupied by the County Road, of the West 83 feet of the Southwest Quarter of the Northwest Quarter of Section 16, Township 1 North, Range 2 East.</p> <p><u>PUMPING PLANT 12½ E - 3¼ N</u></p> <p>and appurtenances, with well-site described as follows: Tract of land Fifty (50) feet square described as follows: Commencing at a point 30 feet West and 30 feet North of the Southeast corner of the Northeast Quarter of the Northwest Quarter of Section 18, Township 1 North, Range 3 East, Gila and Salt River Base and Meridian, thence Westerly parallel to the South line of said Northeast Quarter of said Northwest Quarter a distance of 50 feet to a point 80 feet West and 30 feet North of the said Southeast corner of said Northeast Quarter of said Northwest Quarter, thence Northerly a distance of 50 feet to a point, said point being 80 feet West and 80 feet North of said Southeast corner of said Northeast Quarter of said Northwest Quarter, thence Easterly a distance of 50 feet to a point 30 feet West and 80 feet North of said Southeast corner of said Northeast Quarter of said Northwest Quarter, thence Southerly a distance of 50 feet more or less to the place of beginning.</p> <p>The ditches herein referred to are more particularly described as follows, all being within Maricopa County, Arizona, lying North and East of the Gila and Salt River Base and Meridian, to-wit:</p> <p><u>APPROXIMATELY FIFTEEN AND THREE-FOURTHS (15¾) MILES OF PUMP LATERALS, viz</u></p> <p>1/2 mile of existing Pump Lateral, extending from NW cor. Section 4, Township 2 North, Range 1 East, South along East line of County Road to W½ corner of said Section 4.</p> <p>1-¼ miles of existing Pump Lateral, extending from Pumping Plant 4E-12N West 3/8 miles along North line of County Road, thence Southwesterly through Section 3, Township 2 North, Range 1 East to a point approximately 1/4 mile North of the SW corner of said Section 3.</p> <p>1-¼ miles of existing Pump Lateral, extending from SE corner Section 4, Township 2 North, Range 1 East, 3/4 miles West along North line of County Road, thence Southwesterly through Section 9 of said Township to a point approximately 450 feet North of W½ corner of said Section 9.</p> <p>1/2 mile of existing Pump Lateral, extending from NW corner Section Township 2 North, Range 1 East, South along East line of County Road to point approximately 450 feet North of W½ corner of said Section 9.</p> <p>1/2 mile of existing Pump Lateral, extending from NW corner Section 2, Township 1 North, Range 1 East, South along East line of County Road to SW corner of said Section 2.</p> <p>4 miles of existing Pump Lateral, extending from SE corner Section Township 1 North, Range 2 East, West along North line of County Road to SW corner Section 2, Township 1 North, Range 1 East, thence South.</p> <p>1½ miles of existing Pump Lateral, extending from NW corner Section 10, Township 1 North, Range 2 East, South along East line of County Road to a point approximately 1/4 mile North of SW corner Section 15 of said Township.</p> <p>-6-</p>

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	<p>2 miles of existing Pump Lateral, extending from NW corner Section 11, Township 1 North, Range 2 East, South along East line of County Road to SW corner Section 14 of said Township.</p> <p>2-<math>\frac{1}{2}</math> miles of existing Pump Lateral, extending from NE<math>\frac{1}{4}</math> corner Section Township 1 North, Range 2 East, West along South line of County Road to NW corner of said Section 12, thence South along East line of County Road to SW corner of said Section 12, thence South approximately 300 feet along West line of County Road, thence South along East line of County Road to SW corner Section 13 of said Township.</p> <p>1 mile of existing Pump Lateral, extending from Pumping Plant 11<math>\frac{1}{2}</math>-33 in the NE<math>\frac{1}{4}</math> Section 13, Township 1 North, Range 2 East, West approximately 1 mile, thence South approximately 1/4 mile to center of said Section and thence West to W<math>\frac{1}{2}</math> corner of said Section 13.</p> <p>It is understood by the grantee that the title to certain of the aforesaid pump laterals is vested in the United States of America, and that in accordance with the approval of the supplemental agreement between the grantor and the grantee herein, approved by E. C. Finney, First Assistant Secretary of the Interior, on February 12th, 1927, this instrument conveys to the district only the right to the possession of and use by the district of said ditches as contemplated by the agreements now existing between the grantor and the grantee herein, as duly approved by the Secretary of the Interior, and does not transfer the title to said ditches.</p> <p>It is further understood by the grantee herein that certain other of the aforesaid pump laterals were constructed on public highways of Maricopa County, Arizona, under license agreement, by the Board of Supervisors of said County and that this instrument conveys only the interest of the grantor has under and by virtue of said license agreements and by virtue of its occupation and use of said pump laterals.</p> <p>This deed and transfer is made under and in pursuance of the agreement entered into on the 25th day of August, 1921, by and between the Carrick &amp; Mangham Agua Fria Lands and Irrigation Company, and the Salt River Valley Water Users' Association, assigned to the grantee herein by said Carrick &amp; Mangham Agua Fria Lands and Irrigation Company, as modified by the supplemental agreement which became effective on February 12th, 1927, and shall vest in the grantee each and every right and privilege intended to be conferred</p> <p>-7-</p>

Code	Issue	Response

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	<p>STATE OF ARIZONA</p> <p>upon the said Carriok &amp; Mangham Agua Fria Lands and Irrigation Company, and its successors and assigns under said agreement and said supplemental agreement, and is made subject to the provisions of said agreements and to the reservation made by the Secretary of the Interior in his approval of said supplemental agreement above mentioned.</p> <p>IN WITNESS WHEREOF, said Salt River Valley Water Users' Association has caused this instrument to be executed this <u>27<sup>th</sup></u> day of December, 1927.</p> <p>SALT RIVER VALLEY WATER USERS' ASSOCIATION, By <u>F. A. Reid</u> President.</p> <p>ATTEST: <u>F. B. Hensha</u> Secretary.</p> <p>STATE OF ARIZONA ) COUNTY OF MARICOPA ) SS.</p> <p>Before me, <u>W. J. Simpson</u> Notary Public, in and for said County of Maricopa, State of Arizona, personally appeared <u>F. A. Reid</u> and <u>F. B. Hensha</u> known to me to be the persons whose names are subscribed to the foregoing instrument as President and Secretary of the Salt River Valley Water Users' Association, the corporation described in the foregoing instrument, and as such President and Secretary acknowledged to me that they executed the same for said corporation, for the purposes and consideration therein expressed, as its free act and deed, and by each of them voluntarily executed.</p> <p>Given under my hand and seal of office, this <u>27</u> day of December, 1927.</p> <p><u>W. J. Simpson</u> Notary Public.</p> <p>My commission expires: <u>July 27-1929</u></p> <p>-8-</p>

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	<div><div><p>59 INDEXED 2011 PAGED</p><p>RECORDERS OFFICE Phoenix Maricopa County, A-H Filed and recorded as instrument of W. H. LINVILLE JAN 20 1928 3287 W. H. LINVILLE County Recorder m 67 219 Anne Richards</p></div><div><p>19th Ave to 1/4 mile west of 83rd Ave Salt Canal →</p><p>Witness my hand and official seal this day and year above written. W. H. LINVILLE County Recorder By: <i>W. H. Linville</i> Deputy.</p></div></div>

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#59400

Recorded 1-20-1928  
 Book 218 Deeds  
 Pages 61, 62 & 63

DEED

KNOW ALL MEN BY THESE PRESENTS:

That the SALT RIVER VALLEY WATER USERS' ASSOCIATION, a corporation organized and existing under the laws of the State of Arizona, for and in consideration of the conveyance to it of certain ditches with appurtenances, the sum of Fifteen Thousand Dollars (\$15,000), and other valuable considerations, to it in hand paid by ROOSEVELT IRRIGATION DISTRICT, a municipal corporation existing under and by virtue of the laws of the said State of Arizona, has granted, sold, conveyed and transferred, and does hereby grant, sell, convey and transfer, free of all liens and encumbrances, unto said ROOSEVELT IRRIGATION DISTRICT, the right to the possession and use by said district as contemplated by the agreements now existing between the grantor and the grantee herein and as duly approved by the Secretary of the Interior of the United States, those certain ditches, appliances, easements and rights-of-way hereinafter described, excepting from the property so conveyed and transferred, however, all headgates, ditches, connections and appliances appurtenant thereto which are or may be used, without the use of checks for raising the water level, for the service of water to Salt River Project lands or for disposing of waste or drainage water from said lands or from ditches of said project, such headgates, ditches, connections and appliances so excepted to be left by the said district in place and in condition for use in the event of it becoming necessary or desirable at any time to utilize them; the said ditches, appliances, easements and rights-of-way conveyed and transferred hereby being described as follows:

1. All that part of that certain irrigation ditch or canal known as the "SALT RIVER VALLEY CANAL" situated between the approximate Northeast corner of Section Twelve (12), of Township One North (T.1N.), Range Two East (R.2E.), of the Gila and Salt River Base and Meridian and a point approximately one quarter mile west of the northeast corner of Section Ten (10) of Township One North (T.1N.), Range One East (R.1E.), also of the said Base and Meridian; together with all rights-of-way, easements, headgates, structures and appliances in any way thereto appertaining.

2. Also, that certain ditch now operated and used by said Salt River Valley Water Users' Association, together with the right-of-way appurtenant thereto and within which said ditch is constructed and located, said right-of-way being described as follows:

A right of way and easement to construct, operate and maintain a ditch to be not more than four feet wide on the bottom and to carry not more than

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	<p>2<math>\frac{1}{2}</math> feet in depth of water, through, over and across the East Half of Section 8, Township 2 North, Range 1 East, Gila and Salt River Base and Meridian, Maricopa, County, Arizona; the center line of said ditch and right-of-way being described (using as a base the North Half of the East Line of said Section 8, with an assumed bearing of North), as follows, to-wit:</p> <p>Beginning at a point on the West line of the County Road, 33 feet West of a point on the East line of said Section 8, distant 353.3 feet North of the East Quarter corner thereof; thence South 64 degrees 13 minutes West, 135 feet; thence South 65 degrees 41 minutes West, 200 feet; thence South 46 degrees 43 minutes West, 265 feet; thence South 71 degrees 25 minutes West, 69 feet; thence South 89 degrees 51 minutes West, 721.8 feet; thence West, 660 feet; thence South 9 feet; thence South 89 degrees 59 minutes West, 656.4 feet; and thence South 0 degrees 29<math>\frac{1}{2}</math> minutes West, 394 feet, to a point in the Grand Canal, being the easement conveyed by quit-claim deed dated June 2, 1920, by W. R. Johnson, et al, as grantors, to the United States of America, as grantee, said deed being recorded in the office of the County Recorder of Maricopa County, Arizona, in Book 150 of deeds at Pages 204-205.</p> <p>3. Also, such rights as the said Salt River Valley Water Users' Association still has in and to that certain ditch hereinafter in this paragraph described, with the right-of-way and easements thereto appertaining, said ditch now being obliterated, but formerly constructed and located within the South Half of Section Eight (8), and the North Half of Section Seventeen (17), both of Township Two North (T. 2 N.) Range One East (R. 1 E.), Gila and Salt River Base and Meridian, the center line of said ditch, as it existed on October 12, 1921, being described, (using as a base the West Half of the South line of said Section Eight (8), with an assumed bearing of East), as follows, to-wit:</p> <p>- 2 -</p>

Code	Issue	Response

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	<p>Beginning at a point 367.51 feet North 88 degrees 59 minutes West of a point on the North and South center line of said Section 8, distant 240.61 feet North 1 degree 01 minutes East from the South Quarter Corner thereof, thence South 7 degrees 59 minutes West 241.93 feet; thence West 87.76 feet; and thence South 37 degrees 01 minute West 87.5 feet, more or less, to a point 79 feet South of the South line of said Section 8; being a part of the property also conveyed to the United States of America in the deed above mentioned, by J. J. Addington, et al, as grantors, said deed being recorded in the Office of the County Recorder of Maricopa County, Arizona, in Book 165 of Deeds at Pages 90-91, the said ditch never having been actually taken possession of or used by or on behalf of the United States.</p> <p>X 4. Also, that certain ditch located in the Southwest Quarter of Section Three (3), Township Two North (T.2N.), Range One East (R.1E.), Gila and Salt River Base and Meridian, being located along and in the vicinity of the West boundary line of said Quarter-section, beginning at a point on the East side of the County Road in the Southwest end of the ditch heretofore conveyed to the said Roosevelt Irrigation District by the said Salt River Valley Water Users' Association by deed on December 27, 1927, and described in said deed under the heading "APPROXIMATELY FIFTEEN AND THREE-FOURTHS (15<math>\frac{3}{4}</math>) MILES OF PUMP LATERALS," in Paragraph 2 under said heading and extending Southerly along the East side of said County Road, approximately One Quarter mile to the intersection of the North and South and East and West roads at the Southwest Corner of said Section 3, and thence West, crossing the North and South County Road to the East end of the ditch conveyed by the said Salt River Valley Water Users' Association to said Roosevelt Irrigation District by Deed on December 27, 1927, and described in said deed under the heading "APPROXIMATELY FIFTEEN AND THREE-FOURTHS (15<math>\frac{3}{4}</math>) MILES OF PUMP LATERALS," in Paragraph 3 under said heading.</p> <p>X 5. Also, that certain pump ditch located in the West Part of Section Nine (9), Township Two North (T.2N.), Range One East (R. 1 E.), Gila and Salt River Base and Meridian, beginning at Pumping Plant 22-10<math>\frac{3}{4}</math>N conveyed by the Salt River Valley Water Users' Association to the said Roosevelt Irrigation District by deed on December 27, 1927, and extending Northerly along the East side of the County Road, along and in the vicinity of the West boundary of said Section 9, to the Southwest end of the ditch conveyed by the said Salt River Valley Water Users' Association to the said Roosevelt Irrigation District by deed dated December 27, 1927 and described in said deed under the heading "APPROXIMATELY FIFTEEN AND THREE-FOURTHS (15<math>\frac{3}{4}</math>) MILES OF PUMP LATERALS," in Paragraph 3 under said heading.</p> <p>Provided, however, that in any case where utilization by the said District of any of the ditches, rights-of-way or facilities described above under Items 2, 3, 4, and 5 interferes with any facilities for the irrigation of Salt River Project lands, substitute means satisfactory to the said SALT RIVER VALLEY WATER USERS' ASSOCIATION, shall be provided by the said District for taking care of such irrigation so interferred with, and</p> <p>Provided further, that all of the ditches, rights-of-way and facilities hereby conveyed shall be so used and the level of the water surface therein so regulated</p> <p>-3-</p>

Code	Issue	Response

Code	Comment Document
	<p>that the Association shall be able to discharge waste or drainage water from Salt River Project lands or ditches therein in the same manner heretofore practised, whenever said Association shall find it necessary or advisable so to do.</p> <p>The grantor shall be allowed <u>to Mar. 15, 1928</u> from the date hereof within which to provide substitute facilities for those hereby transferred and to complete the transfer of possession of said facilities to said grantee.</p> <p>It is understood by the grantee that the title to the ditches, appliances, easements and rights-of-way hereby conveyed is vested in the United States of America and that the right to the possession and use thereof is vested in the grantor by virtue of certain contracts with the United States and that this deed and transfer does not convey the legal title, but such rights to possession and use as are vested in the said grantor.</p> <p>This deed and transfer is made for the purpose, among other things, of providing for greater economy and efficiency in the carrying out of the provisions of the agreements between the grantor and the grantee herein and to the end that the said grantor and grantee shall each profit to a greater extent by the operation of said agreements and it is specifically understood that the said agreements are not modified or affected in any way by this deed and transfer.</p> <p>IN WITNESS WHEREOF, said Salt River Valley Water Users' Association has caused this instrument to be executed this <u>16th</u> day of <u>January</u>, 1928.</p> <p>SALT RIVER VALLEY WATER USERS' ASSOCIATION BY <u>F. A. Reid</u> F. A. Reid, President.</p> <p>ATTEST: <u>F. C. Hanshaw</u> F. C. Hanshaw, Secretary.</p> <p>(000) OK. JSC</p> <p>-4-</p>

Code	Issue	Response

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	<div><p>STATE OF ARIZONA,    )                               ) ss COUNTY OF MARICOPA. )</p><p>Before me, <u>Leon H. Tolleman</u>, a Notary Public in and for said County of Maricopa, State of Arizona, personally appeared <u>E. A. Ruiz</u> and <u>E. G. Henshaw</u>, known to me to be the persons whose names are subscribed to the foregoing instrument as President and Secretary of the Salt River Valley Water Users' Association, the corporation described in the foregoing instrument, and each such President and Secretary acknowledged to me that they executed the same for said corporation, for the purposes and consideration therein expressed, as its free act and deed, and by each of them voluntarily executed.</p><p>Given under my hand and seal of Office, this <u>18<sup>th</sup></u> day of <u>January</u> 1928.</p><p><u>Leon H. Tolleman</u> Notary Public.</p><p>My commission expires <u>Mar. 6, 1929</u>.</p><p>-5-</p></div>

Code	Issue	Response

Code Comment Document

## Technical Memorandum

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To:	Donovan Neese Roosevelt Irrigation District 103 W. Baseline Road Buckeye, AZ 85396	From:	Melody Zyburt Stantec Consulting Services Inc. 8211 S. 48th Street Phoenix, AZ 85044
File:	ADOT South Mountain Corridor 181300255	Date:	November 19, 2014

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**Reference:** RID Irrigation Facilities - ADOT South Mountain Corridor  
Final Environmental Impact Study Report Response and Prior Rights Letter

Stantec has reviewed the ADOT South Mountain Corridor's Final Environmental Impact Study (FEIS) documents on behalf of the Roosevelt Irrigation District, in order to meet the FHWA's November 25, 2014 comment submittal deadline. The FEIS consisted of updates/addendums to the Draft Environmental Impact Study (DEIS) Report developed in November 2012. Included with the FEIS are various individual supplemental reports addressing specific concerns such as:

- Cultural resources
- Historical property evaluations
- Identification of utilities within the study extents
- Determination of ADOT's preferred alignment

Several alternative alignments were developed in the pre-planning study phase of the project which directly affects the RID facilities.

Coordination between RID, Stantec, ADOT and their consulting engineers HDR and AZTEC Engineering commenced in 2008. With the project proceeding through the due diligence phase, Stantec provided RID's prior rights documentation directly to ADOT and HDR in September 2010. Although this information was provided to ADOT, not all RID facilities that would be directly impacted by the proposed conceptual alignments were documented by ADOT's consultants during the discovery and planning phases of the project and were not fully incorporated into the current FEIS documents.

To memorialize the status of the RID facilities within the current project study area, Stantec is providing this technical memorandum to summarize those RID facilities that will be directly impacted by the preferred ADOT W59 alignment, and briefly document facilities directly impacted by the other non-preferred alignments. These facilities have been identified in the following Figures 1, 2, and 3 and accompanying Tables 1 thru 6.

### ADOT 202 STUDY ALIGNMENTS


Design with community in mind

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Code	Issue	Response
5	Water Resources	<p>The Roosevelt Irrigation District facilities were included in the Final Environmental Impact Statement. Active groundwater wells, such as the Roosevelt Irrigation District's wells number 107 and 108, are depicted in Figure 4-33 on page 4-104 in the Final Environmental Impact Statement. Irrigation canals, such as the Roosevelt Irrigation District's Main Canal and Salt Canal, are depicted in Figure 4-34 on page 4-107 of the Final Environmental Impact Statement. These facilities, as well as others within the Study Area, were considered in the impacts analysis for the alternatives studied in detail. Mitigation measures and details related to how wells and canals will be addressed during later phases of the project are described beginning on page 4-106.</p> <p>This memorandum was forwarded to the Arizona Department of Transportation Utilities and Railroad Engineering group for use in future coordination with the Roosevelt Irrigation District during final design.</p>

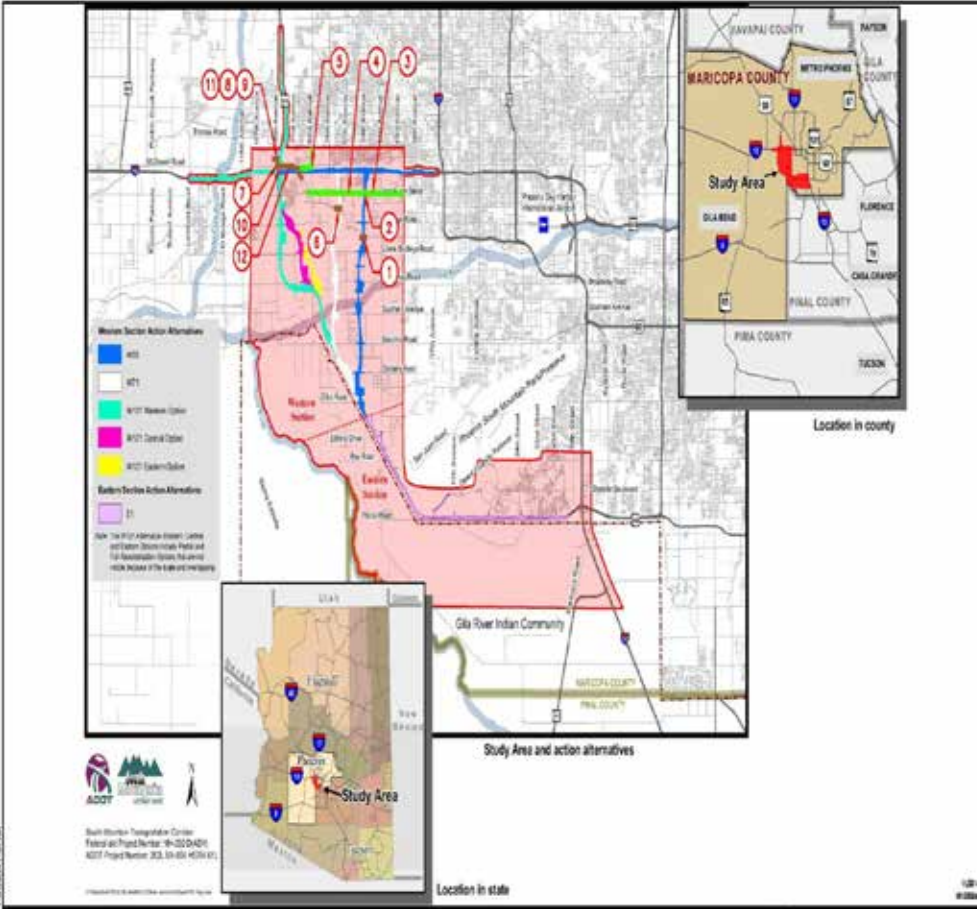
Code

Comment Document



Technical Memorandum

Figure 1 - ADOT Study Area & RID Impacted Facilities



**Western Section Action Alternatives**

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**Eastern Section Action Alternatives**

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- E100

**Legend**

- RID Main Canal
- RID Soil Canal & Pump Lateral 4E

**Location in county**

**Location in state**

**Legend**

- ADOT
- SOUTH MOUNTAIN CORRIDOR
- ADOT Study Area
- RID Impacted Facilities

South Mountain Transportation Corridor  
Federal Aid Project Number: W-052(24)(01)  
ADOT Project Number: 203, 204, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781

Code	Issue	Response





LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
1	Approx 1/2 mile south of Buckeye Road	Main Canal and O&M Roads
2	SEC Van Buren Street and 59th Avenue	Well #107 (7E - 5N)
3	Approx 1/2 mile east of the intersection of Van Buren Street and 59th Avenue	Well #108 (7 1/2 E - 5N)
4	Southside Van Buren Street - Interstate 17 to 83rd Avenue	Salt Canal
5	Northside I-10 from 83rd Avenue to 91st Avenue	Pump Lateral 4E
6	UPRR 1/2 mile west of 67th Ave	Main Canal and O&M Roads
7	Intersection of McDowell Road and Loop 101 to Approx 1/2 mile north of McDowell Road	Main Canal and O&M Roads
8	APN 102-33-006 - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property
9	APN 102-33-007 - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property
10	Approx 1/8 mile east of the intersection of McDowell Road and 99th Avenue	Well #76 (2E - 6N)
11	APN 102-33-003F - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property

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Code	Issue	Response
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Reference: RID Irrigation Facilities - ADOT South Mountain Corridor

Final Environmental Impact Study Report Response and Prior Rights Letter

ADOT PREFERRED W59 ALIGNMENT

Table 2 – ADOT W59 Alignment

LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
1	Approx 1/2 mile south of Buckeye Road	Main Canal and O&M Roads
2	SEC Van Buren Street and 59th Avenue	Well #107 (7E - 5N)
3	Approx 1/2 mile east of the intersection of Van Buren Street and 59th Avenue	Well #108 (7 1/2 E - 5N)
4	Southside Van Buren Street - Interstate 17 to 83rd Avenue	Salt Canal

6

This alignment is ADOT's preferred alternative. The FEIS recommends a full bridged crossing of the RID Main Canal approximately ½ mile south of Buckeye Road at 59th Avenue. This would restrict currently available RID access from 59th Avenue and require new access routes to be developed for RID maintenance personnel. Wells #107/108 and the Salt Canal have not been identified as conflicts within the FEIS.

ADOT NON-PREFERRED ALIGNMENTS

The RID facilities that would be impacted by the planned ADOT alignments are W71, W101 Western, W101 Central, and W101 Eastern. Since ADOT has identified these alignments as non-preferred, they have been briefly summarized in the following Tables 3 through 6.

Please refer to Figure 1 for irrigation facility locations.

Table 3 – ADOT W71 Alignment

LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
4	Southside Van Buren Street - Interstate 17 to 83rd Avenue	Salt Canal
5	Northside I-10 from 83rd Avenue to 91st Avenue	Pump Lateral 4E
6	UPRR 1/2 mile west of 67th Ave	Main Canal and O&M Roads

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6	Water Resources	The Roosevelt Irrigation District facilities were included in the Final Environmental Impact Statement. Active groundwater wells, such as the Roosevelt Irrigation District's wells number 107 and 108, are depicted in Figure 4-33 on page 4-104 in the Final Environmental Impact Statement. Irrigation canals, such as the Roosevelt Irrigation District's Main Canal and Salt Canal, are depicted in Figure 4-34 on page 4-107 of the Final Environmental Impact Statement. These facilities, as well as others within the Study Area, were considered in the impacts analysis for the alternatives studied in detail. Mitigation measures and details related to how wells and canals will be addressed during later phases of the project are described beginning on page 4-106. During final design, efforts will be made to avoid or relocate utilities to eliminate conflicts with the freeway.

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Reference: RID Irrigation Facilities - ADOT South Mountain Corridor

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Table 4 – ADOT W101 Alignment – Alternative Western Alignment

LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
7	Intersection of McDowell Road and Loop 101 to Approx 1/2 mile north of McDowell Road	Main Canal and O&M Roads
8	APN 102-33-006 - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property
9	APN 102-33-007 - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property
10	Approx 1/8 mile east of the intersection of McDowell Road and 99th Avenue	Well #76 (2E - 6N)
11	APN 102-33-003F - Approx 1/4 mile north of the intersection of McDowell Road and 99th Avenue	RID Property

Table 5 – ADOT W101 Alignment – Alternative Central Alignment

LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
7	Intersection of McDowell Road and Loop 101 to Approx 1/2 mile north of McDowell Road	Main Canal and O&M Roads
10	Approx 1/8 mile east of the intersection of McDowell Road and 99th Avenue	Well #76 (2E - 6N)

Table 6 – ADOT W101 Alignment – Alternative Eastern Alignment

LOCATION ID	LOCATION	RID FACILITY IN DIRECT CONFLICT
7	Intersection of McDowell Road and Loop 101 to Approx 1/2 mile north of McDowell Road	Main Canal and O&M Roads
10	Approx 1/8 mile east of the intersection of McDowell Road and 99th Avenue	Well #76 (2E - 6N)

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7	<div><div>ROOSEVELT IRRIGATION DISTRICT</div><div><div>103 West Baseline Road ♦ Buckeye, AZ 85326 ♦ Phone (623) 386-2046 ♦ Fax (623) 386-4360</div><div><div><div>Board of Directors</div><div>W. Bruce Heiden, President Dwight B. Leister K. C. Gingg</div><div><div>Superintendent</div><div>Donovan L. Neese</div></div></div><div>October 2011</div><div><div>Reference: Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><div><div>1. Introduction</div><div>The following Roosevelt Irrigation District (District) policies and standards are provided as guidelines for Developers and Planners involved in projects impacting existing District irrigation and drainage facilities.  These guidelines are presented as generalized criteria only; the District reserves the right to modify policies, specifications and/or design requirements for each project on a case-by-case basis.  Independent, professional planners, engineers, attorneys, or other consultants whose professional expertise is appropriate for a particular project will assist the District. All costs and fees associated with the review of development plans and/or the modification of District facilities are the responsibility of the Developer. These costs are typically incurred for, but not limited to, pre-design engineering planning and analysis, engineering survey and design, legal work, construction, construction inspection and project administration.  An independent engineer selected by the District will design all modifications to the District's irrigation and drainage facilities. All District facilities modified to accommodate a development project will be designed and constructed to current applicable District standards.  Generally, a licensed contractor selected by the Developer will complete the construction of relocated District facilities. However, the District reserves the right to selectively determine that some or all of the relocated facilities will be constructed by the District. A construction observer selected by the District will monitor the construction of all District facilities.  Prior to the commencement of work by the District beyond the initial planning and coordination stage of a development project, the Developer must sign a Participation Agreement Letter with the District and provide advance funds covering the estimated cost of the work.</div></div></div></div></div></div>
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7		Roosevelt Irrigation District guidelines reviewed.

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	<div><div>Roosevelt Irrigation District October 2011 Page 2 of 12</div><div><div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><div><p>The following general topics are discussed in these guidelines:</p><ul style="list-style-type: none"><li>District Funding Requirements</li><li>General Procedure for the Relocation of District Facilities</li><li>District Easements</li><li>Placement of Relocated District Facilities</li><li>Utilities</li><li>District Landscaping Restrictions</li><li>Acceptance of Surface Drainage</li><li>District Irrigation Wells</li><li>Gates for Irrigation Delivery Structures</li><li>Frames and Covers for Irrigation Manholes</li><li>Maintenance of District Irrigation Service</li></ul><p><b>2. District Funding Requirements</b></p><p>All costs, directly or indirectly, associated with the relocation of District irrigation and/or drainage facilities are the sole responsibility of the Developer. The District will not share in the costs of funding a relocation project.</p><p>Typical costs incurred by the District that must be funded by the Developer in association with a relocation project include, but are not limited to: engineering planning and design, construction coordination and observation, as-constructed survey; project management, engineering and legal costs for modification of easements, coordination and plan review with utility companies, utility location services, governmental and/or municipal plan review fees, and project administration and overhead costs.</p><p>In general, the Developer's Contractor will complete the physical construction of the District facilities for a relocation project. The District does not typically incur costs for the labor and materials directly associated with the construction of their relocated facilities.</p><p>The District requires the Developer to provide funds for the expected estimated costs that will be incurred by the District for a specific relocation project prior to the commencement of any substantial work by the District. In this regard the District will typically provide the Developer with separate funding requirement notifications for the pre-design, design and post design (construction) phases of the project.</p><p>The District will place these funds in a special account to be applied against costs incurred by the District in association with the relocation project. Once these funds are depleted, the District has no obligation to incur further costs or to proceed further with the design, modification or relocation of its facilities until the Developer provides subsequent funds in the amount(s) requested by the District.</p></div></div></div>

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	<div>Roosevelt Irrigation District October 2011 Page 3 of 12</div> <div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div> <p>Any funds remaining in the project account at the end of the design phase of the relocation project will be credited towards the subsequent post design phase of the project. Funds remaining in the project account after the final acceptance by the District of the adequacy of the relocated facilities will be refunded to the payor.</p> <p><b>3. General Procedure for the Relocation of District Facilities</b></p> <p><b>3.1 General</b></p> <p>The procedure for the relocation of District facilities is a multi-step process divided into three distinct phases; pre-design, design and post-design. The District will provide a separate notification of the funding requirement for each phase of the project to the Developer at an appropriate time.</p> <p><b>3.2 Pre-Design Phase</b></p> <p>The pre-design phase of a District relocation project includes the initial meetings with the Developer, and typically the Developer's Engineer, to discuss the details of the development project, District procedures and requirements, and the District's preparation of a scope-of-work and budget for the subsequent design phase.</p> <p>The Developer should arrange to meet with the District and the District's Engineer as early as possible during the planning phase of the development project in order to obtain information concerning the District's rights, responsibilities, and requirements prior to the preparation of a preliminary plat and/or final plans. At this meeting the Developer should provide a plan or plat depicting the location of streets, lands dedicated for public use, open space, retention areas, lot layouts, utility locations, etc. It is the District's policy to cooperate with the Developer's requests for information about the easements held by the District, the conditions upon which the District easements might be used, released or modified, and other planning matters of mutual interest.</p> <p>The District and the District's Engineer will review the Developer's preliminary plans to determine the impact the development will have on the integrity and operational flexibility of the District's facilities. If it is determined that relocation of District facilities is required for the development project and that relocating the District's facilities is in the District's best interest, the District and the District's Engineer will work with the Developer to determine the general scope and breadth of the relocations, identify potential alignment alternatives and note potential complications in the design process. The approval of a new alignment, and/or the location of any new District facility, is solely the responsibility of the District.</p> <p>At the Developer's request, the District will prepare and submit a scoping package for the design phase of the project. This package will include a detailed scope of work, an engineering budget and a Participation Agreement Letter (PAL). To initiate the preparation of this package the Developer must provide a non-refundable fee of \$10,000 to the District. The District will provide a written notification of the fee requirement to the Developer when requested.</p>

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	<div>Roosevelt Irrigation District October 2011 Page 4 of 12</div> <div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div> <p>The estimated scope of work and budget for the design phase will be based on the alternatives and features discussed with the Developer and the Developer's Engineer and will typically include a schematic layout of the proposed RID facilities. The PAL is the standardized contractual agreement between the District and the Developer. Any changes proposed by the Developer to this document must be reviewed by the District's Attorney and may require approval of the District's Board of Directors.</p> <p>The Developer should carefully review the scoping package for the design phase to ensure that it will meet the requirements of the development project. The scoping package is valid for 90-days from the date of its transmittal letter.</p> <p><b>3.3 Design Phase</b></p> <p>The design phase of the relocation project includes the engineering design of the District's facilities, the preparation of construction plans, and the procurement of any municipal and/or governmental approvals required for the plans. Any required modifications to the District easements within the development boundary are typically initiated in this phase of the project as well.</p> <p>To initiate the design phase the Developer must return a signed PAL to the District along with the required funding as detailed in the scoping package. Once the PAL and funds have been received, the District will issue a notice to proceed with the project to the District's Engineer.</p> <p>Ideally, the paving and grading design for the development should be approximately 60% complete prior to the commencement of the District's relocation design. This will provide the best opportunity for the Developer's Engineer and the District's Engineer to effectively coordinate and accommodate elements of the interdependent design projects.</p> <p>The Developer's Engineer will need to provide all pertinent CADD files and preliminary plans for the development project. The District's Engineer will typically utilize the same horizontal coordinate system and vertical datum established for the development project by the Developer's Engineer to facilitate both the coordination of the design process and the construction of the District facilities. To avoid a duplication of effort, the District's Engineer, to the extent practicable, will utilize the provided CADD files for the preparation of the District's construction plans.</p> <p>The Developer is solely responsible for the accuracy of the plans and/or CADD files supplied by the Developer's Engineer. The District and/or the District's Engineer will not be responsible for any costs resulting from errors and/or emissions in the plans and/or CADD files provided by the Developer.</p>

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	<div>Roosevelt Irrigation District October 2011 Page 5 of 12</div> <div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div> <p>The District's Engineer will schedule and perform any surveying required to complete the hydraulic design of the relocated facilities. To the extent possible, any survey information provided by the Developer's Engineer will be utilized for this purpose.</p> <p>The District's Engineer will evaluate and identify the need for locating existing underground utilities that may be in conflict with the relocated facilities. If utility locating is required, the District's Engineer will provide a detailed request to the Developer identifying these locations for the Developer to obtain. If requested, the District's Engineer will obtain a cost estimate from a licensed Contractor for these services and provide this information to the Developer for funding.</p> <p>The completed preliminary plans will be submitted to both the Developer and any appropriate municipal agencies for review and comment. The Developer is solely responsible for any review fees levied by municipal agencies and any notification for payment of these fees received by the District's Engineer will be forwarded to the Developer for payment directly to the appropriate agency.</p> <p>When the review comments have been addressed and any necessary approvals granted by the municipal agencies involved have been secured, the approved plans will be released by the District to the Developer. The release of the approved plans effectively ends the design phase of the relocation project.</p> <p>Prior to the release of the approved plans, any outstanding costs incurred by the District during the design phase of the project that exceed the funds provided by the Developer must be paid in full. Any excess funds remaining in the project account at the end of the design phase are generally applied toward the estimated costs of the post design phase of the project.</p> <p>The District's approved plans are valid for one year from their date of release. If the construction of the project has not commenced within that period the District reserves the right to reevaluate the plans for conformance to current applicable District standards and specifications and any other changes that may affect the design and/or proposed location of District facilities. The determination of the suitability for construction of expired plans, and any modifications needed to bring the plans into conformance with the current standards, is solely at the discretion of the District.</p> <div>3.4 Post-Design Phase</div> <p>The post design phase of the relocation project covers the construction, testing and final acceptance of the relocated District facilities.</p> <p>Prior to the commencement of any construction of District facilities the Developer must fund the estimated costs and expenses that will be incurred by the District during this phase of the relocation project. The Developer or the Developer's Contractor must also obtain a License to Construct from the District before beginning any work.</p>

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	<div><div>Roosevelt Irrigation District October 2011 Page 6 of 12</div><div><div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><div><p>When a general schedule for the construction of the District facilities has been determined, the Developer should request the District to provide a scoping package for the post design phase of the relocation project. The scoping package will include an estimated scope of work and budget for items including construction observation, as-constructed survey, post-design engineering support and the completion of record drawings and mapping updates for the District's records.</p><p>The package will typically also include a License to construct for the project. The license must be signed by the Developer or the Developer's Contractor and returned to the District's office, along with the \$500 license fee, for approval signature by the District. A copy of the signed license must be available at the construction site at all times. A signed License to Construct will not issued by the District until the post-design funding has been provided.</p><p><b>4. District Easements</b></p><p>With the exception of the Main Canal and irrigation wells, the majority of the District's existing facilities throughout their service area are typically covered by a "blanket" type easement that may encompass multiple individually owned properties within one or more sections of land. The relocation of District facilities within an area covered by a blanket easement is generally acceptable to the District without any modification of the existing easement.</p><p>In some cases, the District will allow the termination of blanket easements that may encompass multiple individually owned properties within one or more sections of land. However, there may also be instances in which the District determines that, for legal and other reasons, it may be in the District's best interest to simply release a portion of an existing blanket easement. The District will make the ultimate determination regarding whether to terminate the blanket easement and redefine a new easement or merely release a portion of the existing blanket easement. The District has prepared standardized forms to accommodate these circumstances and they will be provided to the Developer upon request.</p><p>Each of the forms requires a separate legal description, and accompanying exhibit of the property in question. The legal description and exhibit must be prepared and sealed by a registered Arizona land surveyor and describe the property using distances and directions from established legal monuments. The termination of a blanket easement for a development project should include all of the property within the development boundary. If the District determines it is in its best interest to release a portion of the blanket easement, the Developer may be required to provide a legal description of that portion of the blanket easement that will continue to exist.</p><p>The District's Engineer will determine appropriate dimensions and limits for the creation of these legal descriptions. These dimensions will be provided to the Developer for the preparation of the respective legal descriptions.</p></div></div></div>

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	<div><div>Roosevelt Irrigation District October 2011 Page 7 of 12</div><div><div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><p>The Developer will submit the completed easement documents for the termination and/or definition, including the sealed legal descriptions, to both the District's Engineer and Attorney for review and approval. Once the documents have been approved, the District's Attorney will have them recorded.</p><p>Under no circumstance will the District agree to the termination of any existing blanket easement without the coincidental establishment of a defined easement covering their facilities that are active at that time. To accommodate the termination of a blanket easement prior to the completed construction, testing and acceptance of the relocated District facilities, a defined easement for the existing operational facilities within the project boundaries must be established. Once the District accepts the relocated facilities as adequate, a defined easement can then be recorded, and the easement for the facilities that are being abandoned can be terminated.</p><p>An easement for a District pipeline may contain, or be used for among other things, driveways, limited parking, sidewalks, lawns or alleys. While the easement is typically centered along the pipeline, it may be offset to accommodate specific features of a particular project. District easements for open ditch facilities are typically exclusive; the inclusion of any other public or private facilities within these easements is solely at the District's discretion.</p><p>A District easement for a pipeline and appurtenant structures may be located either wholly or partially within a City, Town or County right-of-way based on the consenting approval of the jurisdictional municipal agency. District easements for an open ditch and an adjacent operations and maintenance road are typically located wholly outside of municipal rights-of-way and public utility easements.</p><p>For Development projects expected to include a modification or revision of the existing easement, a minimum \$10,000 deposit for expected District legal costs will be included in the funding requirement for the project. The Developer will be responsible for any additional legal costs above this amount incurred by the District in regards to the modification of an existing easement.</p><div><div>5. Placement of Relocated District Facilities</div><div><div>5.1 Open Ditch Facilities</div><p>The District has no requirement that existing open ditch facilities be piped (tiled) as part of a relocation project. However, the governing municipality generally requires the piping of the District's facilities within the boundary of the development project as part of the development agreement.</p><p>In general, most of the District's existing lateral canals follow an approximate alignment along section or mid-section lines. Rarely do the existing facilities exactly parallel these boundary lines, and in many instances the alignment may meander from one side of the boundary line to the other.</p></div></div></div></div>

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	<p>Roosevelt Irrigation District October 2011 Page 8 of 12</p> <p><b>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</b></p> <p>The District's existing open ditch facilities include not only the prism of the ditch, but also the adjacent operations and maintenance (O&amp;M) road(s). Even when the prism of the existing ditch is located wholly outside of the development area boundary, the District's Engineer must assess the impact of the development project on the District's ability to access, maintain and operate their facility and potential impacts to neighboring properties.</p> <p>Should the Developer wish to accommodate an existing District ditch without relocation, the District may require that the property wall or other permanent features constructed for the development project be offset from the boundary line of the property to provide sufficient clearance for District facilities. The District's Engineer will determine the width required to accommodate the existing facilities and provide this information to the Developer.</p> <p>Typical cross-sections for lined and unlined District ditches and O&amp;M roads are shown on Figure 1. In general, the width requirement for these facilities is approximately 40 feet, but contributing factors such as vertical grades and accessibility can extend this requirement to 50 feet or more.</p> <p>The construction of an unlined ditch as a relocation of a District facility is not allowed. Any existing unlined District ditch that will be relocated as part of a development project must be constructed as a concrete lined ditch or pipeline.</p> <p><b>5.2 Piped Facilities</b></p> <p>Typical requirements for placement of a District pipeline are illustrated on Figures 2 and 3.</p> <p>As shown on Figure 2, the preferred location for a District pipeline is behind the proposed curb and gutter and beneath the sidewalk. This location will generally maximize the area that can be landscaped within the right-of-way while protecting the pipeline. Alignments placing a District pipeline within the paved section of a roadway are not preferred and are generally only considered along small residential streets. If a pipe must be located under the street, a minimum horizontal clearance of two feet is required from the lip of the gutter to the outside wall of the pipe. District pipelines may not be located beneath drainage channels or retention basins.</p> <p>Minimum clearances from the outside wall of a District pipe to any permanent above-grade structure such as a building or wall are illustrated in Figure 3. A four-foot minimum clearance is required around all sides of a District delivery structure.</p> <p><b>6. Utilities</b></p> <p>The District facilities have senior prior rights over most municipal and public service utility lines within their service area. All proposed and existing utility lines must cross beneath the District facilities and the relocation of District facilities will often require that existing utility lines be lowered to resolve conflicts.</p>

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	<div>Roosevelt Irrigation District October 2011 Page 9 of 12</div> <div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div> <p>Requests by the Developer to lower a District pipeline to avoid the relocation of an existing utility line, or to accommodate the installation of a new utility line, will be reviewed by the District on a case-by-case basis. Unless the crossing utility holds a more senior prior right, the determination regarding the lowering of a District pipeline is solely at the discretion of the District.</p> <p>Restrictions for utility pipelines, conduits and/or ducts that cross, or run parallel to, a District pipeline are illustrated on Figure 4. All underground utilities paralleling a District pipeline must maintain a minimum two-foot horizontal clearance between the outside of the District pipe and the open excavation for the utility. All utilities crossing a District pipeline must pass beneath the pipe with a minimum vertical clearance of one foot. Sanitary sewer conflicts will be evaluated on a case-by-case basis.</p> <p>Single service residential utility lines of 1" or less, street light electrical lines and traffic signal lines may over-cross a District pipeline with a 6" minimum clearance. All proposed over-crossings of a District pipeline by a utility line larger than 1" would be reviewed on a case-by-case basis. Prior written approval from the District must be obtained before any over-crossing utility is installed.</p> <p>The Developer is solely responsible for the coordination and relocation of all conflicting utilities.</p> <p>The District's Engineer will make all reasonable efforts to identify conflicting utilities on the District's construction plans. To aid in this task, the District requires that all known utilities crossing the District's proposed alignment be potholed to determine their actual location and elevation. However, the utilities identified on the plans may not represent all existing and/or proposed conflicting utilities within the project limits. Neither the District, nor the District's Engineer, guarantees the location and/or the elevation of utilities, and neither will be responsible for their relocation.</p> <p><b>7. District Landscaping Restrictions</b></p> <p>Restrictions concerning landscape plantings adjacent to a District pipeline are shown on Figure 5. A minimum clearance of four feet between the outside wall of the pipeline and a tree trunk is required. Mature tree canopies must not overhang a District pipeline. The spacing between trees along the alignment must provide at least 16 feet of clearance both longitudinally and transversely. Plant groupings are limited to a maximum length of 16 feet as measured along the pipeline alignment. Spacing requirements between plant groupings are identical to those for tree spacing.</p> <p>Landscape plantings within a District easement containing a lateral canal or ditch are not permitted. Canopies of mature trees planted adjacent to a District easement containing a lateral canal or drainage ditch may not encroach into the easement.</p> <p>Landscaping plans for the development project must be submitted to the District for review and approval.</p>

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	<div><div>Roosevelt Irrigation District October 2011 Page 10 of 12</div><div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><div><b>8. Acceptance of Surface Drainage</b> The District may accept agricultural return flows at historically established points of inflow into their system. Under no circumstance will the District allow a proposed commercial, industrial or residential development to discharge storm water, surface water flows, or flood flows into District facilities.</div><div><b>9. District Irrigation Wells</b> District irrigation well sites are typically located upon deeded property owned by the District. The site boundaries can generally be adjusted to meet the needs of the development provided the total area of the site remains the same.  There are a number of minimum requirements regarding the location of the well pad relative to the site enclosure and the accessibility to the site for District equipment. The Developer should discuss these requirements with the District's Engineer on a case-by-case basis.  The District requires that all of their well sites be fully enclosed, and all construction plans prepared by the District's Engineer will specify 6' chain link fence topped with 1' of barbed wire per MAG standards. However, the Developer may arrange for some other type of approved enclosure such as a decorative block wall. In this regard the Developer must provide detailed construction plans for the alternative enclosure to the District's Engineer for review and approval. All designs for alternative enclosures must include:<ul style="list-style-type: none"><li>• A total minimum height of 7' including a feature designed to prohibit entrance by scaling the enclosure. A 6' high block wall topped with outwardly curved wrought iron bars is an example of an acceptable alternative.</li><li>• A feature providing visibility into the site from the main point of access and/or adjacent roadways such as one or more panels of wrought iron bars set within a block wall.</li></ul></div><div><b>10. Gates for Irrigation Delivery Structures</b> For operational and maintenance continuity throughout their system, the District specifies the installation of mild steel gates fabricated by Fresno Valves and Castings, Inc. (Fresno) at their delivery structures. The dimensions of the individual gates are unique to each delivery structure and must be designed and fabricated accordingly.  The lead-time for procurement of these gates can be substantial (3 to 4 months) and the Developer should consider the impact this may have on construction scheduling and sequencing for the project.</div></div>

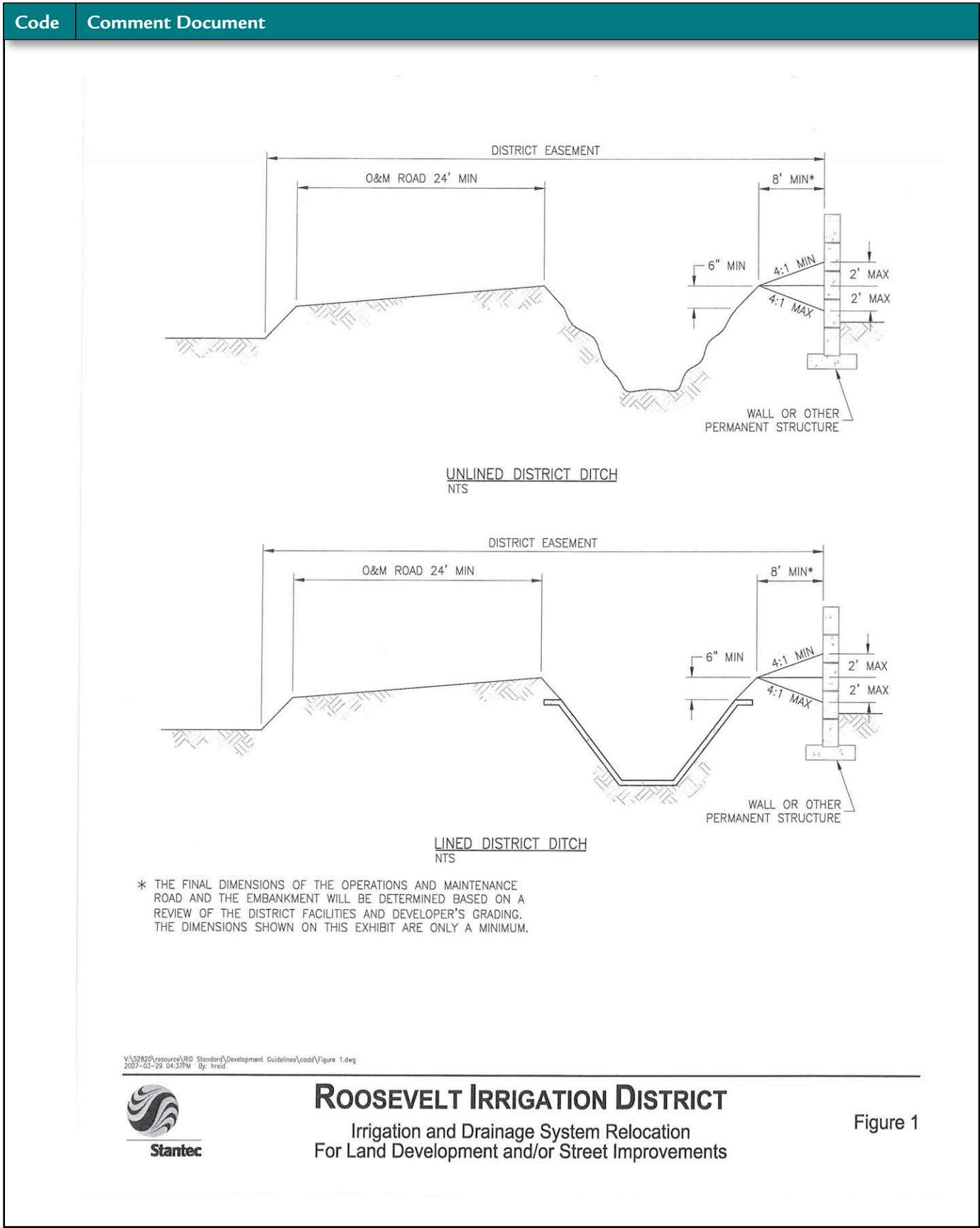
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	<div><div>Roosevelt Irrigation District October 2011 Page 11 of 12</div><div><div>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</div><p>To expedite the delivery of the gates the District's Engineer can initiate the shop drawing review process and purchase of the gates provided the Developer pre-funds the purchase of the gates to the District.</p><p>In this regard, the District's Engineer will provide the specific dimensions and specifications of the gates to Fresno for a cost quote. The Fresno quote will then be provided to the Developer for consideration. Once the District has received funds for the gates, the District's Engineer will accept the Fresno quote on behalf of the District and initiate Fresno's preparation of shop drawings. The completed gates will be shipped to the District's Buckeye maintenance yard where the Developer's Contractor can pick them up. Any additional costs incurred by the District during the manufacturing or shipping in excess of the original quoted cost will need to be reimbursed prior to the Contractor taking delivery of the gates.</p><p>Shop drawings for any gates purchased directly by the Developer or the Developer's Contactor must be reviewed and approved by the District's Engineer. The installation of unapproved gates is not acceptable, and are at the Developer's sole risk. Any gates rejected by the District under this circumstance must be removed and replaced with approved gates at the discretion of the District.</p><div><div>11. Frames and Covers for Irrigation Manholes</div><p>The District maintains an inventory of manhole frames and covers as specified in their construction plans. The Developer's Contractor is encouraged to purchase these items directly from the District at their cost. The District Construction Observer and/or Engineer must approve the use of frames and covers not purchased directly from the District. Any frames or covers installed without District approval is at the Developer's own risk and may require removal and replacement at the District's discretion.</p><div><div>12. Maintenance of District Irrigation Service</div><p>Existing District facilities must remain operational, and may not be disturbed or rendered inaccessible to the District until the construction of the relocated District facilities have been completed, tested and accepted as adequate by the District.</p><p>The scheduling for an irrigation outage to complete a tie-in between new and existing facilities must be coordinated with the District Watermaster and the District Construction Observer. The District schedules an annual, district-wide "dry-up" for approximately eleven consecutive days during the second and third weeks of November. The availability and duration of an unscheduled irrigation outage during any other time period will be determined solely at the discretion of the District.</p><p>The Developer should be aware that the construction of new facilities along the same alignment as the existing facilities will likely increase the irrigation outage time required for construction.</p></div></div></div></div>

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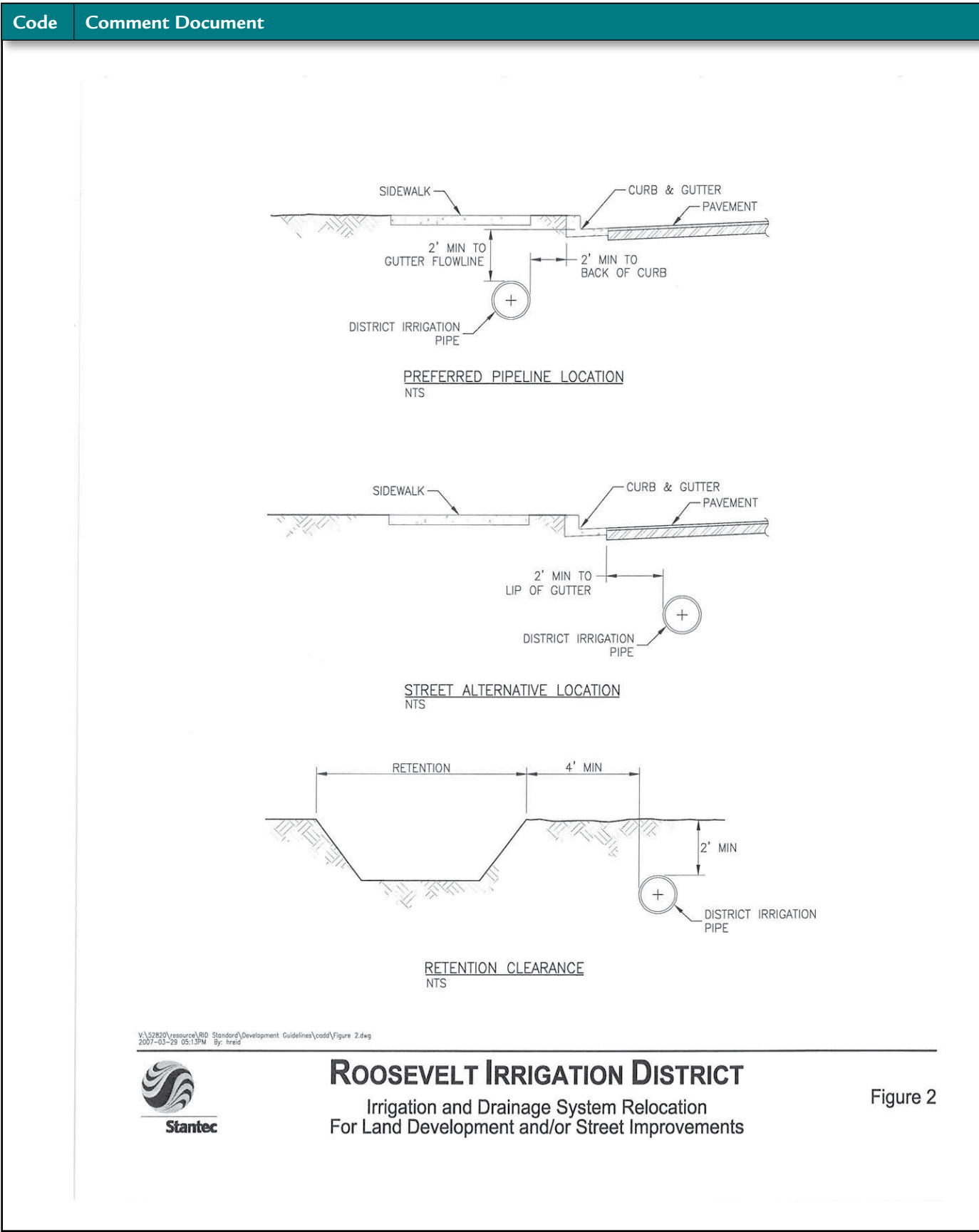
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	<div><p>Roosevelt Irrigation District October 2011 Page 12 of 12</p><p>Irrigation and Drainage System Relocation Guidelines For Land Development and/or Street Improvements</p><p>Temporary irrigation by-pass facilities may be constructed to facilitate the demolition of the existing District facilities prior to the completion of the proposed permanent facilities. The District must grant prior approval for the use of a temporary irrigation by-pass. At the discretion of the District, sealed engineering plans for the by-pass facilities may be required. These plans must be submitted to the District for review and approval prior to construction. The abandonment and demolition of the existing District facilities replaced by the temporary by-pass may proceed only after the constructed temporary facilities have been field verified and accepted as adequate by the District.</p><p>ROOSEVELT IRRIGATION DISTRICT</p><div> Donovan L. Neese Superintendent</div><p>C.</p><p><small>fwc v:\52820\resource\rid standard\development guidelines\word\2011-10-01 rid dev pol.doc</small></p></div>

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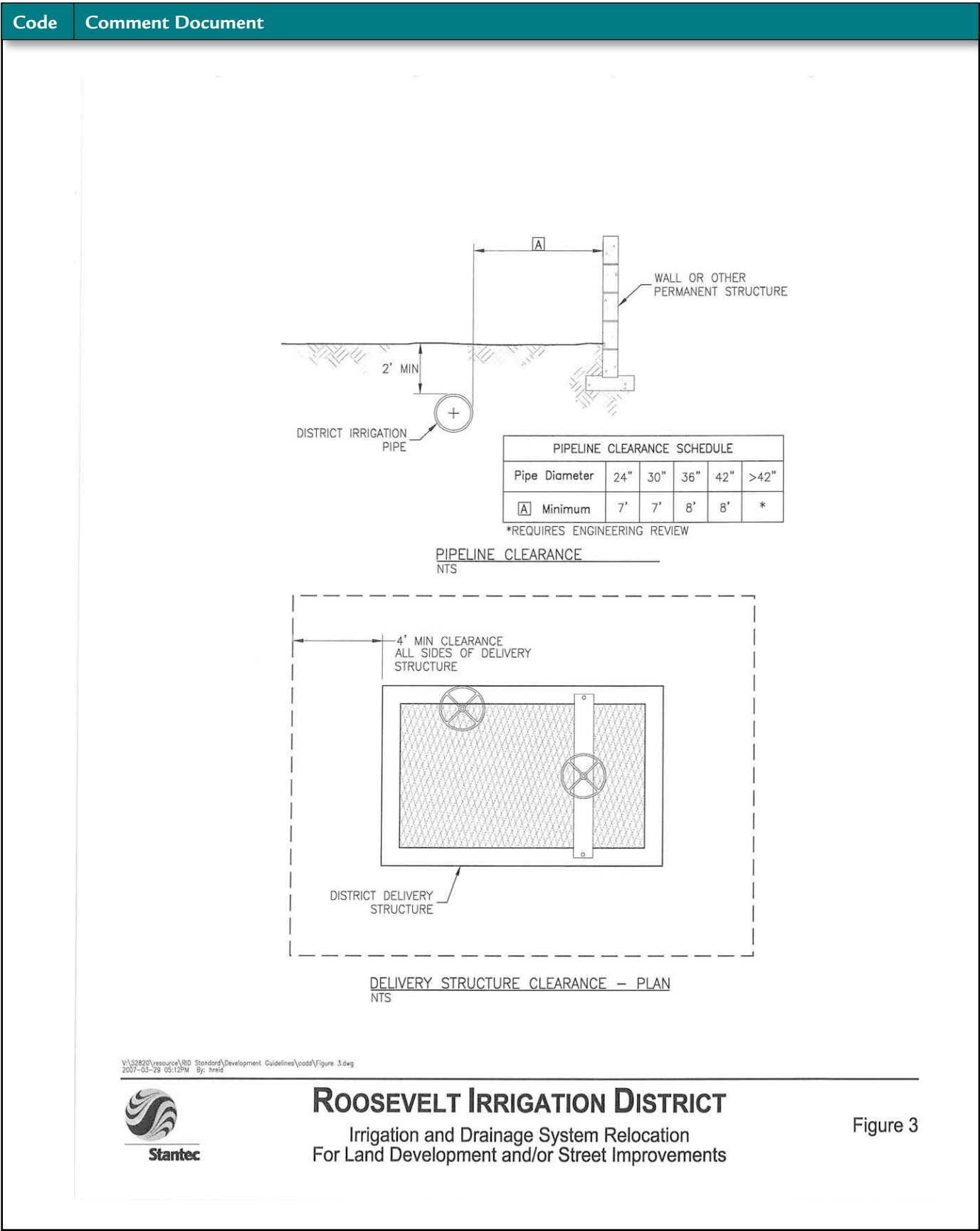
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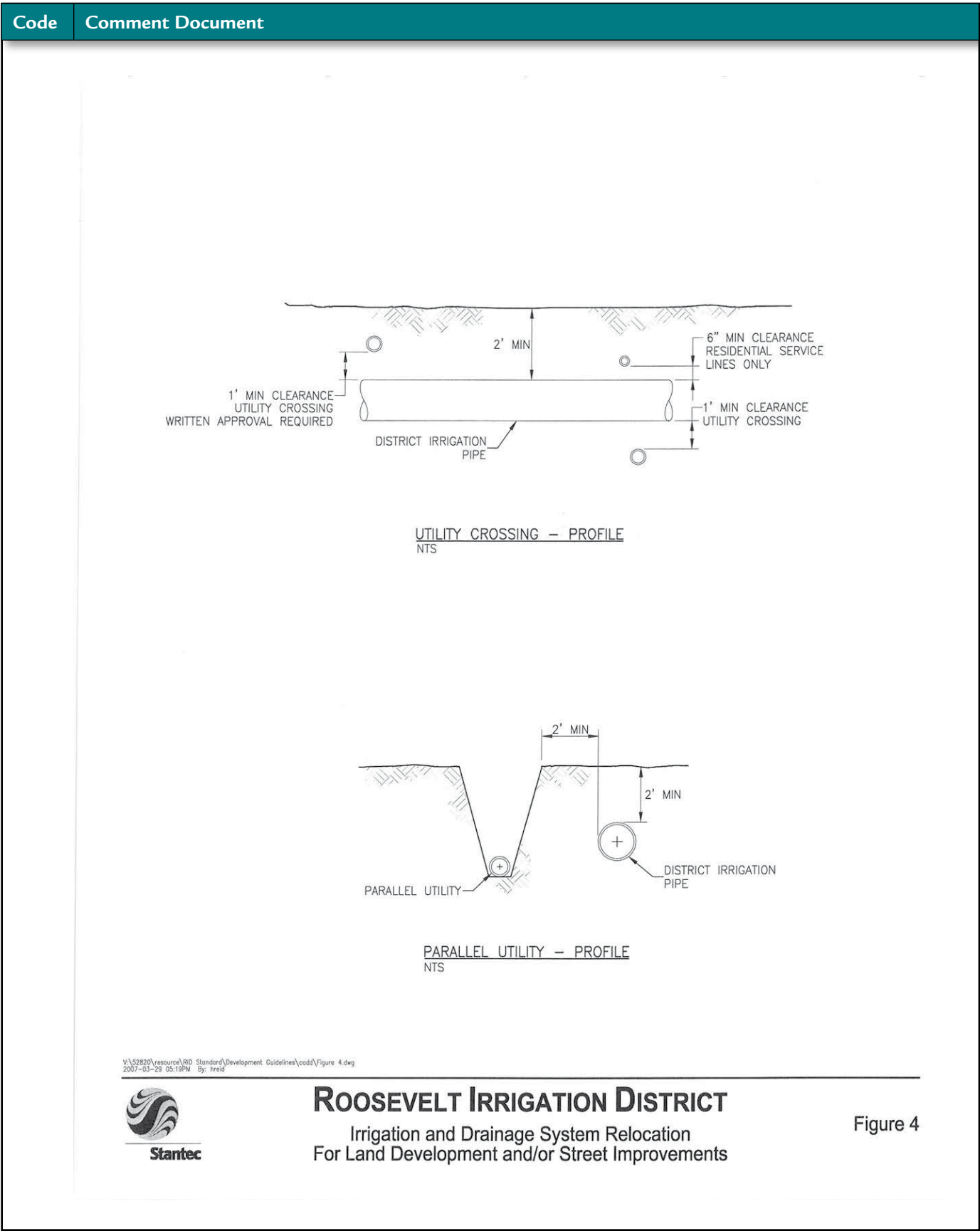


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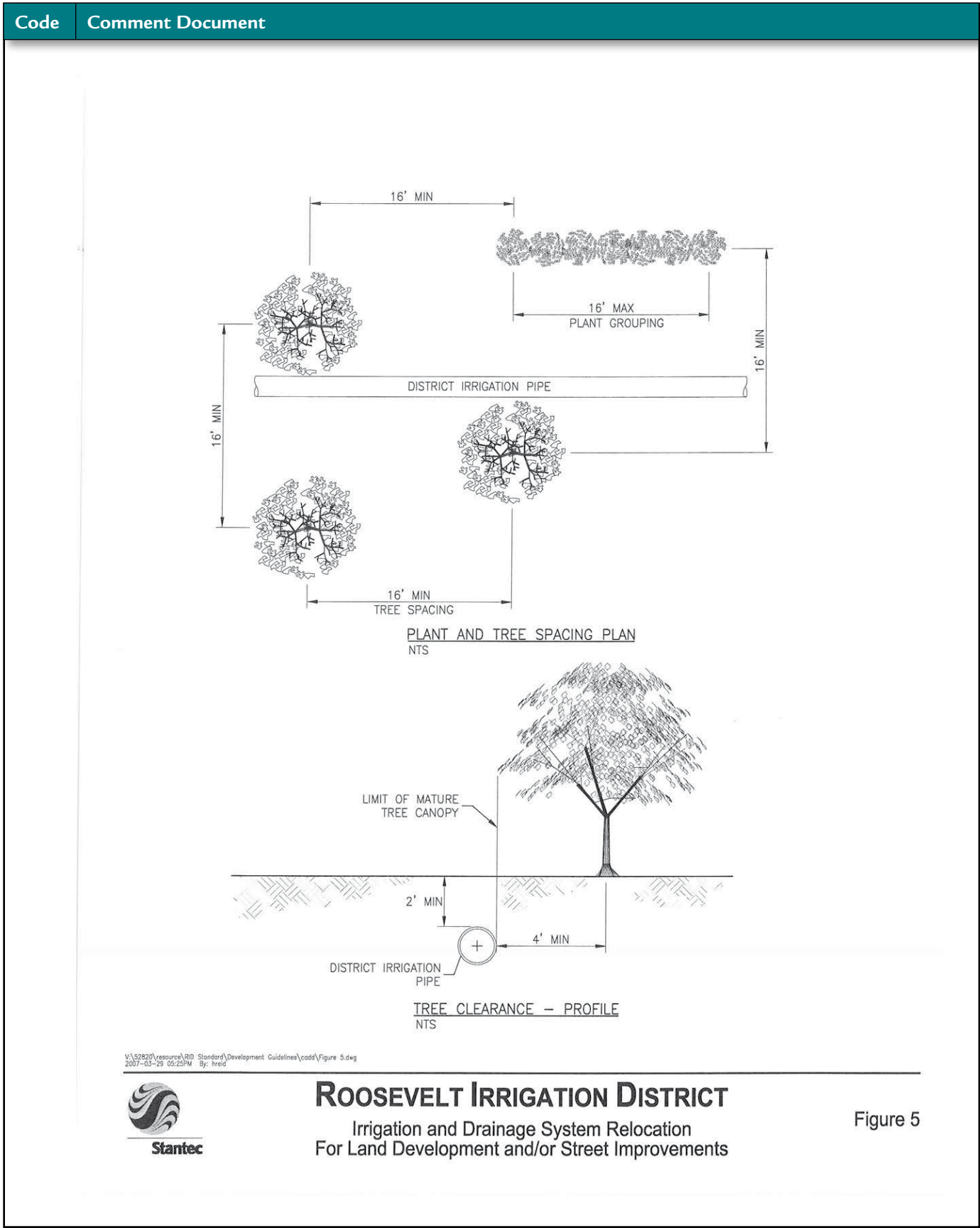




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	<div><div><div><div><div><div><b>ROOSEVELT IRRIGATION DISTRICT</b></div></div></div><div><div><div><b>DIRECTORS</b></div><div>W. BRUCE HEIDEN, PRESIDENT DWIGHT B. LEISTER K.C. GINGG</div></div><div><div>103 WEST BASELINE ROAD BUCKEYE, ARIZONA 85326 TELEPHONE (623) 386-2046 FAX (623) 386-4360</div></div><div><div><b>SUPERINTENDENT</b></div><div>DONOVAN L. NEESE</div></div></div></div></div></div>
	<p><b>Reference: Well Replacement Guidelines and Specifications</b></p> <p>Roosevelt Irrigation District (RID) (District) understands the risks associated with well drilling and has attempted to develop these guidelines in a manner that balances the goals of quantity and quality of water produced by the replacement well. All parties requesting to provide RID with replacement wells shall bear the costs to construct the replacement wells per the standards consistent with those developed by the District. RID will require demonstrations to validate that the well specifications have been met. Under no circumstances will any rights to an existing site be relinquished until the replacement well is operational and can be demonstrated to meet all necessary specification. RID assumes no liability for any design or construction activities related to conforming to these well development guidelines until the well system is operational and accepted in writing from the RID superintendent.</p> <p><b><u>Classes of Replacement Wells</u></b></p> <p>The District envisions two classes of replacement wells derived from the Replacement Well Guidelines and Specifications. They are:</p> <p>a) <b><u>Replacement Well at Same Location.</u></b> These wells shall be located within 660 feet of the existing RID well scheduled to be replaced. The District may elect to have the replacement well constructed with a different screening interval than the original in order to improve the quality of water produced by the well.</p> <p>b) <b><u>Replacement Well in New Location.</u></b> Existing RID wells may be located in an area where urbanization has reduced or eliminated demands. Some wells may be elected for replacement due to, but not limited to, locations with undesirable hydrogeologic conditions. In such circumstances, RID may elect to have a new well drilled in a location more favorable to the District's operations.</p> <p><b><u>Well Specification Standard / Approach</u></b></p> <p>Each well within RID's service area includes differing well construction and water quality characteristics. As a single well is identified for replacement the well specifications will be based on existing performance and the surrounding facilities at the sole discretion of RID. It will be the responsibility of the developer or entity to demonstrate, at a minimum, performance aspects equal to the existing well to be replaced. Performance based guidelines are included in ANSI/AWWA A100-06 Standard for Water Wells and shall be met. All wells shall comply with AWWA A100-06 as clarified or modified below or unless otherwise approved by the District.</p> <p><b><u>Demonstrations</u></b></p> <p>Utilize ANSI/AWWA A100-06 Standard for Water Wells to address the following:</p> <p><b><u>Prior to drilling, the following information shall be submitted to RID for review and approval:</u></b></p> <p>1) A Hydrogeologic Study and Impact Study, completed, stamped, and sealed by a professionally registered Geologist in the State of Arizona of any site not within 660 feet of the well to be replaced. This study shall be prepared in accordance with ADWR well spacing rules and submitted</p>
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	<div data-bbox="602 397 1121 431" style="text-align: center;"> <b>ROOSEVELT IRRIGATION DISTRICT</b> </div> <div data-bbox="416 449 1261 520" style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 30%;"> <p style="text-align: center;"><b>DIRECTORS</b></p> <p>W. BRUCE HEIDEN, PRESIDENT DWIGHT B. LEISTER K.C. GINGG</p> </div> <div style="width: 30%; text-align: center;"> <p>103 WEST BASELINE ROAD BUCKEYE, ARIZONA 85326 TELEPHONE (623) 386-2046 FAX (623) 386-4360</p> </div> <div style="width: 30%; text-align: right;"> <p><b>SUPERINTENDENT</b> DONOVAN L. NEESE</p> </div> </div> <p style="margin-top: 20px;">to ADWR along with the Well Permit Application. Please note that based upon ADWR licensing time frames, a minimum of 100 days is required to review the application;</p> <ol style="list-style-type: none"> <li>2) Identification of a well site and appropriately located replacement well within the site that will be deeded to RID along with title documentation. The well site shall have a secure access from an adjacent public street right-of-way and include a minimum 80-foot by 50-foot size (4,000 square feet). Proposed sites must accommodate all reasonably foreseeable drilling and maintenance activities within a locked perimeter enclosure as approved by the District;</li> <li>3) Documentation of Non-Exempt Well Permit approval;</li> <li>4) Identification and acquisition of permanent withdrawal authority for the RID well. This authority may include, but not be limited to the following: RID Service Area Right; Grandfathered Groundwater Rights owned by the District or leased for sufficient time to allow the well to be permitted as an RID Service Area Well; or a Recovery Well Permit with sufficient groundwater credits to allow the well to be permitted as an RID Service Area Well;</li> <li>5) Documentation of discharge plan and AZPDES discharge permit approval, if required;</li> <li>6) Documentation of Well Specifications, Bid Documents, Approved Bid, Legal Documents, Bonds, Construction Licenses, and Insurance Certificates indicating coverage type and limits;</li> <li>7) Design Concept Report (DCR) including drawings documenting preliminary well design, including casing/screen size, material type, depths, proposed zonal or depth specific sampling protocol, and recommendations that provide comparisons to the existing well to be replaced. The DCR shall include a demonstration of rationale for the design which would incorporate existing hydrogeologic data and a water quality sampling plan. DCR shall also include the minimum mechanical and electrical system details indicated further within these requirements. RID must review and approve the DCR prior to initiation of drilling activities;</li> <li>8) DCR shall include details about the mechanical and electrical systems that are planned to be installed. The following minimum design features shall be included within the RID replacement well:             <ul style="list-style-type: none"> <li>• Above ground discharge piping shall be welded steel meeting ASTM A36 with a minimum schedule 40 thickness</li> <li>• Below ground discharge piping shall be fully restrained ductile iron pipe with a minimum pressure class 250 and include polyethylene encasement</li> <li>• Discharge pipe shall be sized with a maximum velocity of 5 feet per second and be a minimum of 8-inches in diameter</li> <li>• Discharge pipe shall include the following appurtenances: 0-60 psi liquid filled pressure gauge with isolation ball valve, 3-inch air release and vacuum valve with isolation ball valve, and propeller type flowmeter</li> <li>• Well pump discharge head shall be provided with a minimum of two 2-inch diameter threaded openings to allow for water level sounding and water sampling</li> </ul> </li> </ol>

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