



**BOARD OF SUPERVISORS AGENDA ITEM REPORT  
CONTRACTS / AWARDS / GRANTS**

**Requested Board Meeting Date:** November 17, 2015

**or Procurement Director Award**

**Contractor/Vendor Name (DBA):** Arizona Department of Transportation (ADOT)

**Project Title/Description:**

ADOT Interstate 10, Ruthrauff to Prince Road TI Project (3 PIT 03)

**Purpose:**

The Pima County Reclaimed Wastewater Reclamation Department (RWRD) is requesting that the Pima County Board of Supervisors (BOS) approve the attached ADOT Utility Relocation Agreement for additional RWRD sewer related work not included in the original ADOT Utility Relocation Agreement for the RWRD sewer related work in the ADOT Interstate 10, Ruthrauff to Prince Road TI Project.

ADOT has already received payment from RWRD for all of the RWRD sewer related work in the original ADOT Utility Relocation Agreement that expired in 2012. ADOT is requesting an additional \$124,376.14 as reimbursement for the costs associated with the additional RWRD sewer related work included in this new ADOT Utility Relocation Agreement. The additional RWRD sewer related work included additional Flow Management, relocating Southwest Gas pipelines, sand fill encasement, manhole reconstruction and relocation of an RWRD Remote Metering Site. This work is explained in more detail in the attached ADOT Utility Relocation Agreement.

The approval of this Agreement will allow RWRD to capitalize the assets and close the program. This Agreement will then become effective on November 17, 2015 and will terminate on December 31, 2016.

**Procurement Method:**

This ADOT Utility Relocation Agreement will be a Direct Select contract with ADOT because the RWRD sewer related work was completed by the ADOT Highway Contractor for the project.

**Program Goals/Predicted Outcomes:**

The approval of this ADOT Utility Relocation Agreement completes the obligations that RWRD has to ADOT related to the satisfactory completion of the RWRD Prince Road & I-10 TI Program (3PIT03). Upon the reimbursement of the additional costs due ADOT, RWRD assets can be capitalized and the program can be closed.

**Public Benefit:**

Improved transportation efficiency and safety and a more functional public sewer system.

**Metrics Available to Measure Performance:**

Traffic accidents, sanitary sewer overflows and public complaints.

**Retroactive:**

The original ADOT Utility Relocation Agreement, Contract No. 11-03-A-144073-0611 (AMS: 12 \* 2019), expired in 2012 because no specific Completion Date was given by ADOT and this conflicts with BOS policy in that a specific Completion Date for the Contract work is required and no date had originally been shown. Although the RWRD sewer related work was completed in 2012, ADOT would not submit a final accounting of the total costs associated with all of the RWRD sewer related work until the completion of all construction and this did not occur until 2014. So without an agreed upon total project cost for the RWRD sewer related work until 2014, RWRD was unable to finalize the project and close the program.

*To: COB - 11-17-15 (2)  
Ver - 1  
Pgs. 59  
Addendum*

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Procure Dept 11/09/15 PM 08:43

**Original Information**

Document Type: CT Department Code: WW Contract Number (i.e.,15-123): 16 - 0113  
Effective Date: 11/17/15 Termination Date: 12/31/2016 Prior Contract Number (Synergen/CMS): 11-03-A-14407  
 Expense Amount: \$ 124,376.14  Revenue Amount: \$ 0  
Funding Source(s): RWRD Obligations

Cost to Pima County General Fund: \$ 0

Contract is fully or partially funded with Federal Funds?  Yes  No  Not Applicable to Grant Awards  
Were insurance or indemnity clauses modified?  Yes  No  Not Applicable to Grant Awards  
Vendor is using a Social Security Number?  Yes  No  Not Applicable to Grant Awards

If Yes, attach the required form per Administrative Procedure 22-73.

**Amendment Information**

Document Type: \_\_\_\_\_ Department Code: \_\_\_\_\_ Contract Number (i.e.,15-123): \_\_\_\_\_  
Amendment No.: \_\_\_\_\_ AMS Version No.: \_\_\_\_\_  
Effective Date: \_\_\_\_\_ New Termination Date: \_\_\_\_\_  
 Expense  Revenue  Increase  Decrease Amount This Amendment: \$ \_\_\_\_\_  
Funding Source(s): \_\_\_\_\_

Cost to Pima County General Fund: \$ \_\_\_\_\_

Contact: Glen E. Peterson  
Department: Pima County Wastewater Reclamation Department (RWRD) Telephone: 520-724-6349  
Department Director Signature/Date: [Signature] 11/2/15  
Deputy County Administrator Signature/Date: [Signature] 11/4/15  
County Administrator Signature/Date: [Signature] 11/6/15  
(Required for Board Agenda/Addendum Items)



responsibility was reduced by an amount equivalent to its potentially reimbursable design expenditures. Therefore this finding will have no impact on the cost responsibilities as set forth in the Original AGREEMENT.

- c) **"No Betterment" Documentation.** Correspondence supporting ADOT's finding of "No Betterment" covering installation of 180.73 Linear Feet of 48-inch sewer pipe to divert sewer flow from an existing 35-inch sewer main has been included in **Exhibit C** of this Addendum.
- d) **PCRWRD PRIOR RIGHT Covering Facilities in Eastbound Frontage Road.** With this Addendum, ADOT acknowledges PCRWRD's PRIOR RIGHT covering a 78-inch Sewer running along the existing Eastbound Frontage Road (EBFR) inside a historic Utility and Sewer Easement, starting at the Sewer Junction Structure located partially inside ADOT right-of-way at the northwest corner of the Prince Road Traffic Interchange and continuing north approximately 900 feet, as shown in **Exhibit C** to this Addendum. Acknowledgement of this PRIOR RIGHT does not, however, entitle PCRWRD to any reimbursement for RELOCATION WORK under this AGREEMENT, because the PROJECT requires no RELOCATION affecting this PRIOR RIGHT facility.

PCRWRD believes that it may hold the PRIOR RIGHT to additional segments of this 78-inch Sewer located north of the PRIOR RIGHT segment described above. However, PCRWRD is unable to produce at this time any PRIOR RIGHT documentation for these additional segments of the 78-inch Sewer. Therefore, for the current PROJECT, PCRWRD waives any PRIOR RIGHTS reimbursement for RELOCATION WORK affecting these more northern. In particular, PCRWRD waives any PRIOR RIGHTS reimbursement for Adjustment to Grade of existing Sewer Manholes located at EBFR Stations 2077+32 and 2088+04 under the current AGREEMENT. (Other forms or reimbursement as described in Exhibit E of the Original AGREEMENT will still apply.)

However, this waiver of reimbursement for the current PROJECT is **not** a relinquishment of PCRWRD'S right to reimbursement for Future Relocation of the 78-inch Sewer. PCRWRD reserves to itself any PRIOR RIGHT which may be discovered to exist, as well as the right to compensation for any future cost of Relocating the 78-inch Sewer for future Highway Projects, based on documented priority in time, including any new documents which may become available.

ADOT will grant to PCRWRD a revised Permit with PRIOR RIGHTS that applies to the segment of the 78-inch Sewer for which PCRWRD has demonstrated a PRIOR RIGHT, as described in this subsection and identified in **Exhibit C** of this Addendum.

**B. RESPONSIBILITY FOR CONSTRUCTION CONTRACT ADMINISTRATION AND ADEQ PERMIT PROCESSING.** The original AGREEMENT required ADOT forces to perform construction of sewer relocations for PCRWRD according to a final design prepared by ADOT, including award of the construction contract, construction engineering, inspection, and administration by ADOT. Under the original AGREEMENT PCRWRD forces were allowed to participate in inspection and bring items of concern to the attention of ADOT, but ADOT had full inspection responsibility and authority for RELOCATIONS performed by ADOT's contractor. The terms of the original AGREEMENT did not fully take into account PCRWRD's oversight responsibilities as an agency responsible for issuing a Pima County permit for sewer construction, nor the special interactions required for acceptance of newly constructed sewer system modifications by the Arizona Department of Environmental Quality (ADEQ). Since the start of construction, difficulties have been encountered in adapting ADOT's construction contract administration processes to accommodate:

- 1) PCRWRD's permitting inspection process, which requires inspection and certification to be performed by an engineer with experience and expertise in large sewer construction (the Engineer of Record identified in Sewer Plan Note 27, Plan Sheet 898 of 918);
- 2) additional sewer relocation work (due to unanticipated conditions)—evaluation of Contractor's Proposal needed;
- 3) flow management requirements for live sewer flows—evaluation of Contractor's Proposal needed; and

- 4) ADEQ's submittal requirements for acceptance of sewer collection system modifications.

It was necessary for PCRWRD to take over some inspection and review responsibilities, as well as preparation and processing of ADEQ permit acceptance documents. To meet its expanded inspection duties, PCRWRD has engaged an engineering consultant with expertise in sewer construction inspections to provide detailed oversight and inspection of sewer construction work by ADOT's contractor, thus relieving ADOT of some inspection costs and incurring significant third party costs for PCRWRD. This Addendum recognizes the increased costs incurred by PCRWRD and the consequent reduction in administration costs incurred by ADOT with the following adjustments:

- a) For Sewer RELOCATIONS ADOT's Construction Mark-up is reduced from 20% to 15%.
- b) ADOT agrees to reimburse PCRWRD for its cost to provide Sewer Consultant Inspector services **on or after March 1, 2012**, covering only those Sewer RELOCATIONS that, per the Original Agreement, were to be paid for by ADOT. The total Consultant Inspection cost is **\$121,500**. Per the Original Agreement ADOT's payment responsibility was determined to be 37.4% of the total cost for the Sewer RELOCATION WORK. Therefore ADOT will pay 37.4% of the Consultant Inspector costs paid by PCRWRD, for a total cost of \$45,441.00.

The above changes in payment responsibility are identified in **Exhibit A** to this Addendum.

**C. ADDITIONAL RELOCATION COSTS.** Additional costs of RELOCATION, either for additional work on PCRWRD facilities by ADOT's contractor, or for other utilities required to move to avoid conflicts with PCRWRD RELOCATIONS, have been identified in the time since execution of the original AGREEMENT. A description of these additional costs and responsibility for payment follows.

- a) **Joint Trench 6 (New Joint Trench at EBFR and 42-inch Sewer Relocation).** PCRWRD RELOCATIONS include installation of a 42-inch sewer in a 60-inch bored casing crossing the I-10 Main Line at approximate Station 330+30. Blue Stake excavation in advance of boring for the 42-inch Sewer RELOCATION identified unanticipated conflicts with an existing Joint Trench in the Eastbound Frontage Road at approximate EBFR Station 2111+90. To eliminate these conflicts, partial relocation of the joint trench, was required. The RELOCATED Joint Trench has been given the designation "Joint Trench 6". Under the Joint Trench 6 relocation, ADOT's contractor will provide new conduit for Tucson Electric Power Company (TEP) and ADOT power lines between EBFR Stations 2110+65 to 2112+79, and will remove the lower portion of the existing joint trench at the tie over points and at the point of conflict with PCRWRD's 42-inch Sewer RELOCATION. (Qwest and MCI-Verizon also own facilities in the original Joint Trench, but these will not need to be relocated.) PCRWRD has agreed to accept responsibility for utility relocation costs necessitated by PCRWRD's RELOCATION of the 42-inch sewer. In this case, the relocation costs include: Construction by ADOT's Contractor of the new Joint Trench 6 between Stations 2110+40 and 2117+70; Partial removal of the existing Joint Trench at this location, and TEP's costs to pull out existing power cable and reinstall conductor in Joint Trench 6, as described in Addendum No. 1 to TEP Utility Relocation Agreement No. 3308-10-TEP. Total cost of the Joint Trench 6 relocations, is \$67,478.33. A detailed cost estimate is provided in **Exhibit A** to this Addendum.
- b) **Sand Fill for Encasement of 42-inch Sewer.** The construction contract requires removal of a 42-inch sewer line from the WBFR between Stations 2098+00 and 2113+00 and RELOCATION that includes a bored crossing of I-10 at approximate Main Line Station 330+30. Construction contract documents specify a 60-inch casing with spacers for the bored crossing, but no filling of the annular space between the 42-inch sewer and the 60-inch casing. PCRWRD standards require filling of the annular space between the sewer pipe and the casing, so this work item has been added to ADOT's construction contract by change order. This is a NON-PRIOR RIGHT facility, so PCRWRD is responsible for any increase in cost of this RELOCATION. ADOT's construction contractor has submitted a proposal to provide a sand fill between the 42-inch sewer and the 60-inch casing, which proposal has been accepted by ADOT. PCRWRD will be responsible for this cost, including 15% construction contract markup, for a total of \$38,375.97 as shown in **Exhibit A**.

- c) **Southwest Gas Relocations.** At the Prince Road and Runway intersection, temporary and permanent RELOCATIONS of PCRWRD's facilities (**shown in Exhibit B**) necessitated relocation of natural gas pipelines owned by Southwest Gas Corporation. PCRWRD has recognized its obligation to reimburse Southwest Gas for these moves to eliminate conflict with the above described PCRWRD RELOCATIONS. Under ADOT's original AGREEMENT with PCRWRD, ADOT is responsible for 91.17% of PCRWRD's RELOCATION costs at this location, and PCRWRD is responsible for 2.83% of the cost of this RELOCATION. Southwest Gas Corporation currently has a Utility Relocation Agreement with ADOT allowing ADOT to reimburse Southwest Gas for relocations in connection with the current PROJECT. PCRWRD has requested ADOT to pay Southwest Gas directly for the cost incurred by Southwest Gas to move its facilities for PCRWRD's relocations. PCRWRD will reimburse ADOT the 2.83% of the RELOCATION cost which is PCRWRD's payment responsibility at this location. The actual cost was \$643.63, which was based on documentation provided by Southwest Gas to move facilities in conflict with PCRWRD RELOCATIONS.
- d) **Temporary Sewer Bypass Cost Increases.** Sewer RELOCATIONS to be performed by ADOT's contractor under the Original AGREEMENT required setup of temporary Sewer Bypasses at several locations. Payment responsibility for each of these Sewer Bypass installations was based on whether PCRWRD had PRIOR RIGHTS for the facility needing the Bypass, and on other cost share arrangements covering RELOCATION WORK, as found in the Original AGREEMENT. Each temporary Sewer Bypass was identified by the Flow Management Plan (FMP) controlling the Bypass. While preparing to set up the various Sewer Bypass installations, ADOT's contractor discovered that sewer flow rates at several of these locations had increased over the sewer flow rates provided in the Construction Contract Documents. This increase in sewer flow rates resulted in additional costs to the PROJECT. The increase in temporary Sewer Bypass costs at each Sewer Bypass location (FMP) has been assigned to ADOT and/or PCRWRD, based on the cost share provisions of the Original AGREEMENT, and on whether PCRWRD had a reasonable chance to prevent sewer flow increases at those times when ADOT's contractor was operating the temporary Sewer Bypasses. Additional costs associated with each temporary Sewer Bypass (FMP) are identified in **Exhibit A** to this Addendum.
- e) **Eliminate 18-Inch Butterfly Valve from Sewer Siphon Modifications.** Lump Sum Work Item 9240056 – Miscellaneous Work (Sanitary Sewer Modifications at Flowing Wells Wash) required ADOT's construction contractor to procure and install a new 18-inch butterfly valve on La Cholla Blvd. south of Prince Road, as part of the sewer siphon modifications required at this location. During construction of the siphon modifications, PCRWRD determined that installation of the butterfly valve would interfere with the proper operation of the siphon system, and ADOT's construction contractor was directed to eliminate the 18-inch butterfly valve from the siphon modification work. It was not practical to return the butterfly valve to the manufacturer, so PCRWRD has taken possession of the unused butterfly valve. Since this article of value has not been used as part of the RELOCATION, PCRWRD is now responsible for the full cost (procurement and administration costs) of the butterfly valve. Under the Original Agreement PCRWRD paid 2.83% of the cost of the butterfly valve, which cost was part of Item 9240056 – Miscellaneous Work (Sanitary Sewer Modifications at Flowing Wells Wash). Under this Addendum, PCRWRD agrees to pay the remaining 97.17% of the cost of the butterfly valve, identified as the manufacturer's price, plus shipping, plus 15% for Construction Contract Administration.
- f) **Manhole Reconstruct - Betterment.** PCRWRD has requested full reconstruction of the Sewer Manhole located at EBFR Station 2088+04. The PROJECT contract documents call for only a partial reconstruct and adjustment to the new pavement grade, which is all that is needed to accommodate the PROJECT at this location. However, PCRWRD desires an upgrade to improve access to this Manhole. Accordingly, the additional work needed to fully reconstruct this Manhole is recognized as a Betterment, and PCRWRD is responsible for the full increase in cost, including purchase by ADOT's contractor of new 24-inch cover, which will now be upgraded to a 30-inch cover. The cost of the work including 15% construction contract markup is \$17,153.22.

- g) **Item 9240058 Misc Work (Remove and Relocate Remote Meter System)** The new access control fence is in conflict with the existing location of the data transmittal post for the sewer flow meter. The post and equipment need to move ten feet to the west to be out of the way of the fence. The cost includes the new foundation and relocation of the post and equipment. PCRWRD will be responsible for this cost, including 15% construction contract markup, for a total of \$960.25 as shown in **Exhibit A**.
- D. **CHANGE TO ACCESS CONTROL.** ADOT has modified R/W Drawing No. D-10-T415 (TRACS No. 010 PM 252 H6241 01R) to move the Access Control line near PCRWRD's existing manhole at EBFR Station 2077+32 so that this manhole is now outside the CONTROLLED ACCESS area. ADOT will change the fence location on the PROJECT plans to conform to the new Access Control Line. Accordingly, *Section III. C. 4. Permit for Sewer Manholes in Access Control*, requiring special permits for sewer manholes in Access Control, is eliminated. Revisions to Pay Items are shown in **Exhibit A** to this Addendum. This action has no impact on the cost responsibilities as set forth in the Original AGREEMENT.
- E. **ABANDON AND GROUT 10-INCH SEWER.** ADOT has requested that a 10-inch sewer scheduled for removal as part of ADOT's construction PROJECT be grouted and abandoned instead. PCRWRD has agreed to this request. Under the original AGREEMENT, ADOT was responsible for the cost of removal, as this was part of a PRIOR RIGHT RELOCATION of an existing 10-inch sewer in conflict with the new Prince Road embankment on the west side of the I-10/Prince T.I. (See **Exhibit B**.) Because payment responsibility for this relocation belongs to ADOT, there will be no cost impact to PCRWRD for the requested change. The Utility facility owner shall continue to own, map, locate and mark its abandoned facilities in accordance with the requirements of *Arizona Revised Statutes A.R.S Sections 40-360.21 through 40-360.32* and by standards adopted by industry organizations.
- F. **COST INCREASE.** This Addendum increases PCRWRD estimated payment responsibility by \$124,376.14 from \$2,966,205.51 to \$3,090,581.65, as shown in **Exhibit A**. PCRWRD shall attach payment in the amount of this cost increase when it returns this signed Addendum to ADOT.

Signed by representatives of the State of Arizona Department of Transportation and Pima County:

**PIMA COUNTY**

By: \_\_\_\_\_  
Chairman, Board of Supervisors

ATTEST:

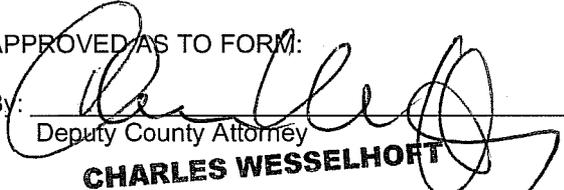
By: \_\_\_\_\_  
Clerk of the Board

Date: \_\_\_\_\_

APPROVED AS TO CONTENT:

By:  \_\_\_\_\_  
Director, RWRD **JACKSON JENKINS**

APPROVED AS TO FORM:

By:  \_\_\_\_\_  
Deputy County Attorney  
**CHARLES WESSELHOFF**

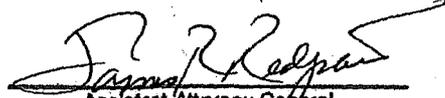
**ARIZONA DEPARTMENT OF TRANSPORTATION**

By \_\_\_\_\_  
Victoria D. Bever  
Utility & Railroad Engineering Manager

Date \_\_\_\_\_

Attachments: Exhibit A to Addendum No. 1  
Exhibit B to Addendum No. 1  
Exhibit C to Addendum No. 1

APPROVED



Assistant Attorney General  
Attorney for Department  
of Transportation

Date 10/7/15

**EXHIBIT A  
ADDENDUM NO. 1 TO 3290-10-PCWM**

**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD)  
SUMMARY OF PCRWRD ESTIMATED RELOCATION COSTS DUE TO ADOT  
I-10, RUTHRAUFF TO PRINCE**

	<b>TOTAL</b>
<b>PCRWRD PAYMENT RESPONSIBILITY PER ACTUAL CONSTRUCTION COST (Prior to Change Orders and this Addendum)</b>	<b>\$2,420,923.54</b>
<b>ADDITIONAL PCRWRD COST RESPONSIBILITY - THIS ADDENDUM</b>	
JOINT TRENCH 6	\$ 67,478.33
SAND FILL FOR ENCASEMENT OF 42-INCH SEWER	\$ 38,375.97
SOUTHWEST GAS RELOCATIONS AT PRINCE ROAD/RUNWAY DRIVE	\$ 643.63
TEMPORARY SEWER BYPASS	\$ 710,617.18
ELIMINATE 18-INCH BUTTERFLY VALVE	\$ 2,945.47
MANHOLE RECONSTRUCT—BETTERMENT	\$ 17,153.22
REMOVE AND RELOCATE REMOTE METER	\$ 960.25
SUBTOTAL ADDITIONAL PCRWRD PAYMENTS	\$838,174.05
	<b>\$3,259,097.59</b>
<b>CREDITS DUE TO PCRWRD – THIS ADDENDUM</b>	
LESS UPRR SEWER EASEMENT ACQUISITION	-(4,260.75)
LESS ADOT PRORATED SHARE (37.4%) OF PCRWRD CONSULTANT INSPECTION COSTS	-( \$ 45,441 )
LESS CONSTRUCTION MARK-UP ADJUSTMENT FROM 20% TO 15%	-( \$ 118,814.19)
SUBTOTAL PCRWRD CREDITS – THIS ADDENDUM	-( \$168,515.94)
<b>TOTAL PCRWRD PAYMENT RESPONSIBILITY</b>	<b>\$3,090,581.65</b>
LESS PAYMENTS RECEIVED TO DATE FROM PCRWRD PER ORIGINAL AGREEMENT	-( \$2,966,205.51)
<b>PAYMENT DUE TO ADOT, THIS ADDENDUM</b>	<b>\$ 124,376.14</b>

Addendum No. 1 Itemized Cost Estimate

<b>Sewer Easement</b>		
<b>Description</b>		<b>Amount</b>
10-1543	Fidelity National Title Agency	\$3,619.02
10-1606	Leonard and Marian E. Sobel Trust	\$76,699.80
	UPRR	4,260.75
10-1604	Clear Channel Outdoor, INC.	\$41,000.00
<b>TOTAL</b>		<b>\$125,579.57</b>
10-1468	<b>UPRR Sewer Easement Acquisition (CREDIT)</b>	<b>- \$4,260.75</b>
<b>NEW TOTAL</b>		<b>\$121,318.82</b>
<b>PCRWRD Share 100%</b>		<b>\$121,318.82</b>

<b>Joint Trench 6</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Ca1 R1 - Ca2	Remove and Construct Relocated Joint Trench for Sewer Construction (Paid as Bid Item 9240158 – Misc. - Remove Joint Trench)	L.F.T.	388	\$23.00	\$8,924.00
R1 – Ca3	Additional Concrete Removal and Tie-Ins at Joint Trench 6 (Construction Change Order No. 14 - Paid as Item 9240126)	L.S.	1	\$34,956.76	\$34,956.76
R1 – Ca4	TEP Relocation For PCRWRD Sewer Construction (See Addendum No. 1 to Agmt 3308-10-TEP)	L.S.	1	\$17,015.46	\$17,015.46
	ADOT Construction Mark-up (15%) on Items R1 - Ca1 thru R1 – Ca3				\$6,582.11
<b>TOTAL</b>					<b>\$67,478.33</b>
<b>PCRWRD Share 100%</b>					<b>\$67,478.33</b>

<b>Sand Fill for Encasement of 42-inch Sewer</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Cb1	Sand Fill of Encasement for 42-inch Sewer (Construction Change Order No. 10 - Item No. 8099999 MISC (60" J&B Air Blown Sand))	L.S.	1	\$33,370.41	\$33,370.41
	ADOT Construction Mark-up (15%) on Item R1 - Cb1				\$5,005.56
<b>TOTAL</b>					<b>\$38,375.97</b>
<b>PCRWRD Share 100%</b>					<b>\$38,375.97</b>

<b>Southwest Gas Relocations at Prince Road/Runway Drive</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Cc1	Southwest Gas Relocation For PCRWRD Sewer Construction (See Addendum No. 1 to Agmt 3306-10-SWG)	L.S.	1	\$22,743.00	\$22,743.00
<b>TOTAL</b>					<b>\$22,743.00</b>
<b>ADOT Share 97.17%</b>					<b>\$22,099.37</b>
<b>PCRWRD Share 2.83%</b>					<b>\$643.63</b>

<b>Temporary Sewer Bypass Cost Increases</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1-Cd1	FMP 2 Location - Shared Cost for Sewer Bypass Cost Increase (Constr Change Order No. 20 - Item No. 9240050) (ADOT Share 97.17%, PCRWRD Share 2.83%)	L.S.	0.72 and 2.83%	\$448,113.35	\$9,130.76
R1 - Cd2	FMP 2 Location - 100% PCRWRD Cost for Sewer Bypass Cost Increase (Constr Change Order No. 20 - Item No. 9240050)	L.S.	0.28	\$448,113.35	\$125,471.74
R1 - Cd3	FMP 3 Location - 100% PCRWRD Cost for Sewer Bypass Cost Increase (Constr Change Order No. 11 - Item No. 9240051)	L.S.	1	\$46,246.87	\$46,246.87
R1 - Cd4	FMP 4 Location - 100% PCRWRD Cost for Sewer Bypass Cost Increase (Constr Change Order No. 17 - Item No. 9240059)	L.S.	1	\$437,078.62	\$437,078.62
	ADOT Construction Mark-up (15%) on Items R1 - Cd2 thru R1 - Cd4				\$92,689.20
<b>TOTAL</b>					<b>\$710,617.18</b>
<b>PCRWRD Share 100%</b>					<b>\$710,617.18</b>

<b>Eliminate 18-Inch Butterfly Valve – PCRWRD Reimbursement</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Ce1	Eliminate 18-Inch Butterfly Valve from Item No. 9240056 – Misc. Work (Sanitary Sewer Modifications at Flowing Wells Wash) – PCRWRD now Assumes 100% Cost Responsibility	L.S. (Partial)	1	\$2,635.87	\$2,635.87
	ADOT Construction Mark-up (15%) on Item R1 - Ce1				\$395.38
<b>TOTAL</b>					<b>\$3,031.25</b>
<b>Butterfly Valve – ADOT Share Per Original Agmt 97.17%</b>					<b>\$ 2,945.47</b>
<b>Butterfly Valve – Paid By PCRWRD Under Original Agmt 2.83%</b>					<b>\$ 85.78</b>
<b>Butterfly Valve – PCRWRD Payment Due This Addendum</b>					<b>\$ 2,945.47</b>

<b>Full Manhole Reconstruct – Betterment</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Cf1	Full Manhole Reconstruct – Betterment (Supplemental Agreement to Construction Contract Pending) (Constr Change Order No. 27-Item No. 5050221)	L.S.	1	\$14,915.84	\$14,915.84
	ADOT Construction Mark-up (15%) on Item R1 - Cf1				\$2,237.38
<b>TOTAL</b>					<b>\$17,153.22</b>
<b>PCRWRD Share 100%</b>					<b>\$17,153.22</b>

<b>Abandon 10-Inch Sanitary Sewer</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - E1	Eliminate 229 L.F. of Sewer Pipe Removal (Paid Under Bid Item 2020042.)	L.F.	-229	\$ 28.00	-\$ 6,412.00
R1 - E1	Abandon and Slurry Fill 229 L.F. of 10-Inch Sanitary Sewer (Construction Letter Agreement 3)	L.S.	1	\$ 6,412.00	\$ 6,412.00
	ADOT Construction Mark-up (15%) on Items R1 - Ca1 thru R1 – Ca4				\$0.00
<b>TOTAL</b>					<b>\$0.00</b>
<b>NO COST TO PCRWRD – ADOT SHARE 100%</b>					<b>\$ 0.00</b>

<b>Remove and Relocate Remote Meter System</b>					
<b>Description</b>		<b>Unit</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
R1 - Ch1	Item 9240058 - Miscellaneous Work (Remove and Relocate Remote Meter System)	L.S.	1	\$ 835.00	\$ 835.00
	ADOT Construction Mark-up (15%)				\$125.25
<b>TOTAL</b>					<b>\$960.25</b>
<b>PCRWRD Share 100%</b>					<b>\$ 960.25</b>

**EXHIBIT B  
ADDENDUM NO. 1 TO 3290-10-PCWM**

**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD)**

**PLANS FOR ADDITIONAL RELOCATIONS BY ADOT**

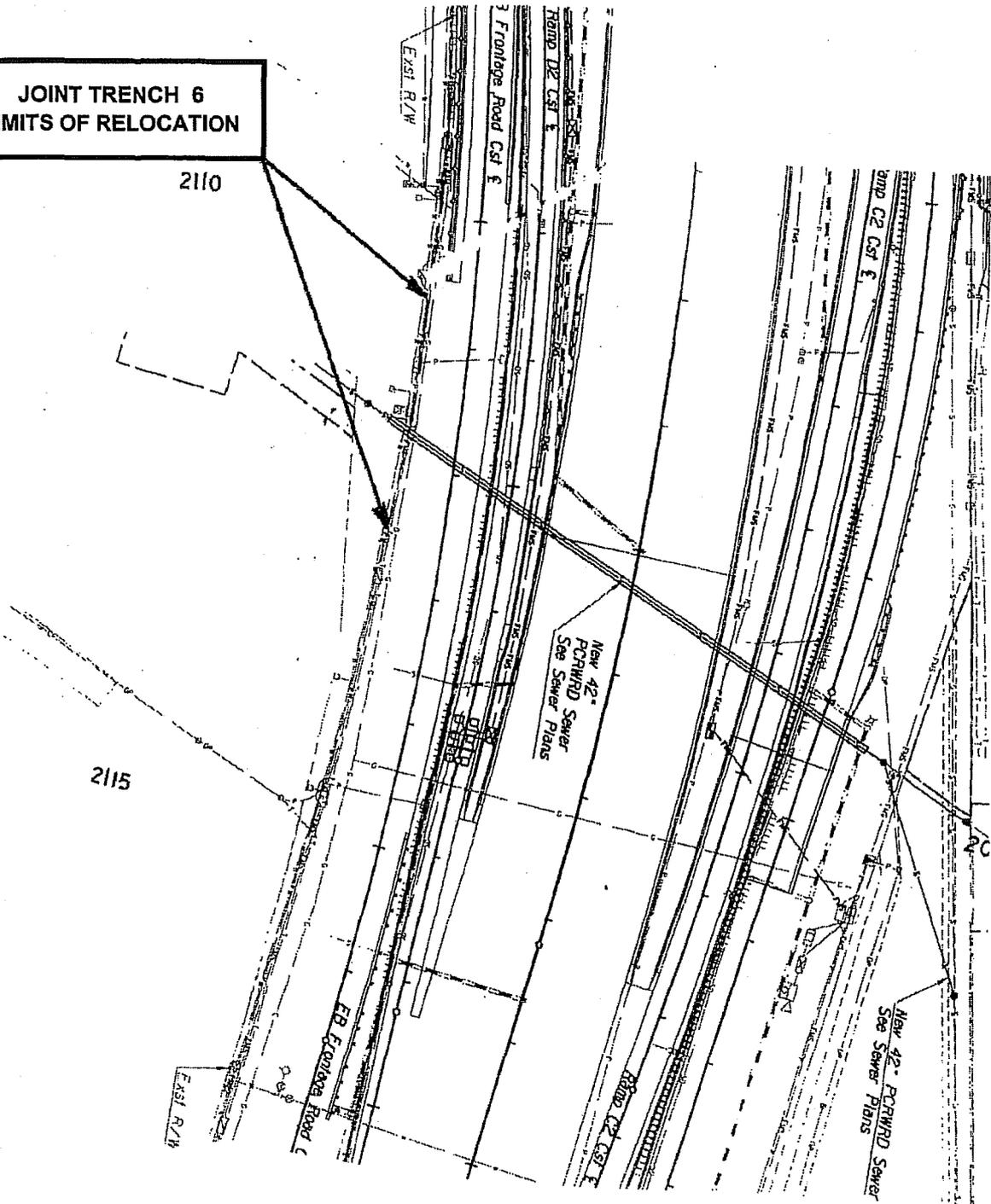
**CONTENTS**

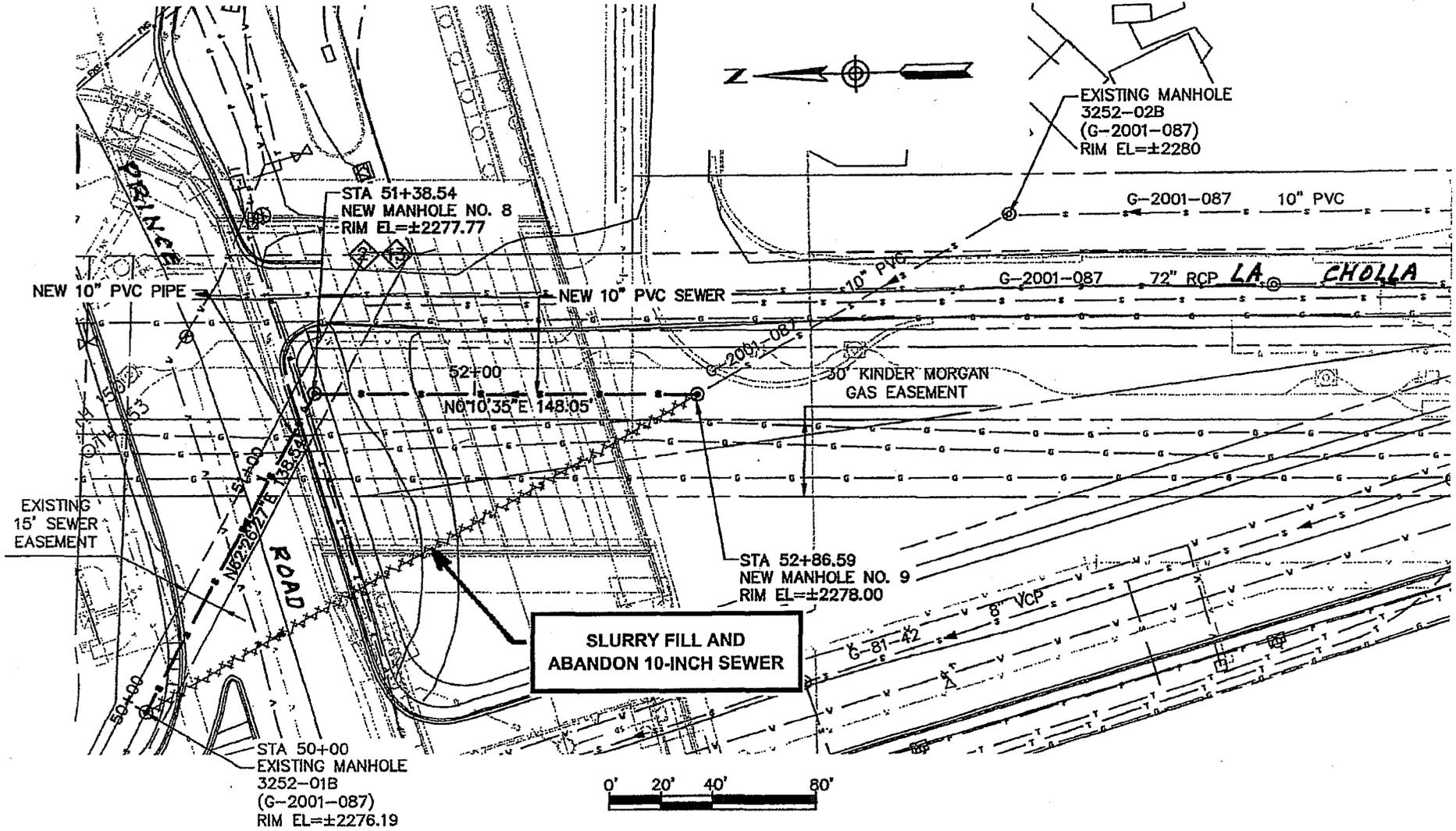
- B-1 Contents
- B-2 Additional Relocations By ADOT – Joint Trench 6
- B-3 Grout and Abandon 10-Inch Sewer
- B- 4 Southwest Gas Relocations Required by PCRWRD Relocations

**JOINT TRENCH 6  
LIMITS OF RELOCATION**

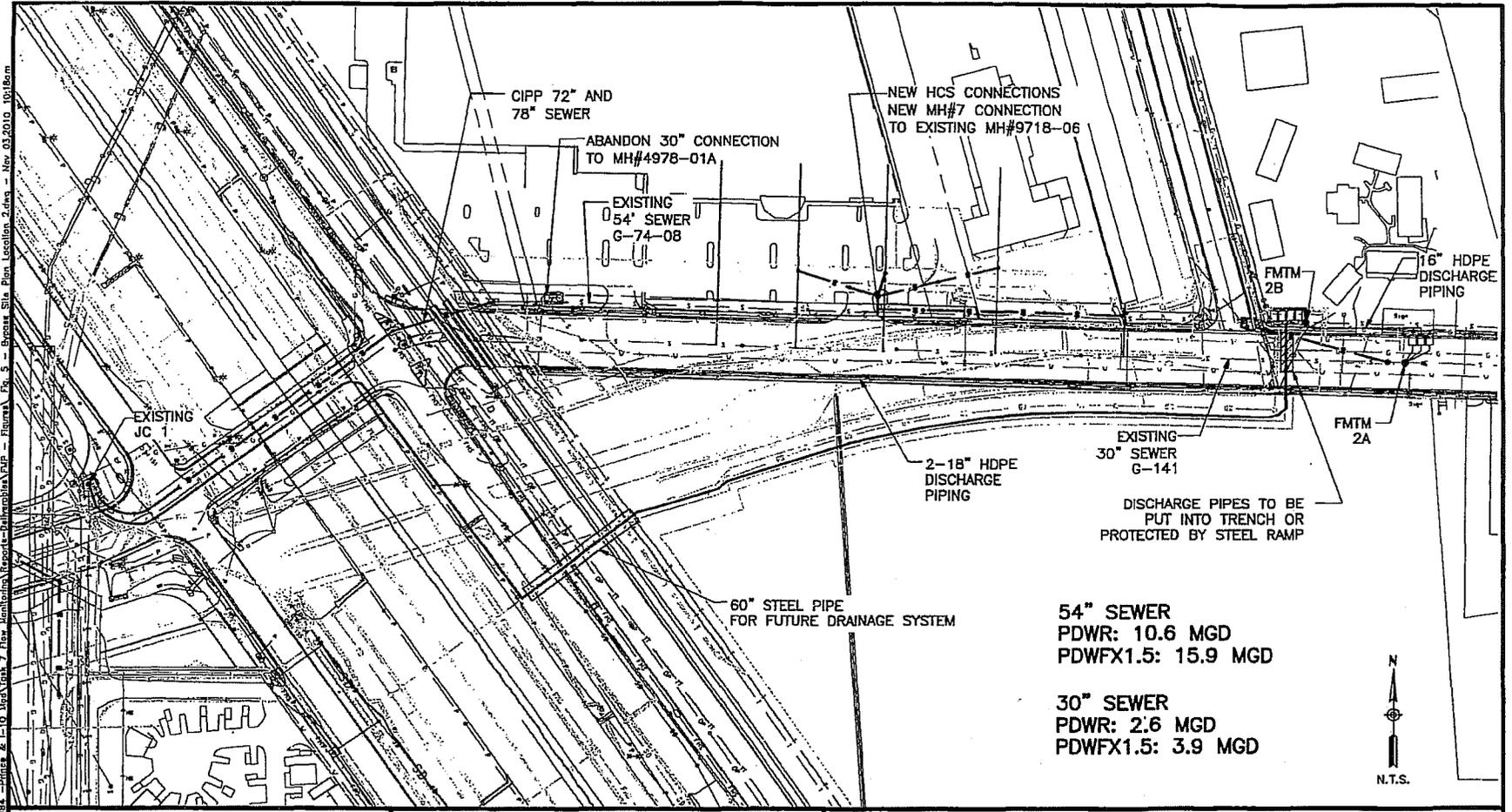
2110

2115





C:\Pima County\Wastewater\214448984 - Pima & L-10\Job\Task 7 Flow\Interim\Reports\BypassSitePlan.dwg - Rev 03/2010 10:15am



333 East Wetmore, Suite 400  
Tucson, AZ 85705  
Phone: 520-887-1800



PIMA COUNTY  
Regional Wastewater  
Reclamation Department  
201 N. Stone Ave, Tucson, Az 85701  
Phone: (520) 740-6500

FIGURE 5  
BYPASS SITE PLAN  
LOCATION 2

**EXHIBIT 'C'**  
**ADDENDUM NO. 1 TO 3290-10-PCWM**

**PIMA COUNTY REGIONAL WASTEWATER RECLAMATION**  
**I-10, RUTHRAUFF TO PRINCE**

**FINDINGS CONCERNING PRIOR RIGHTS**

**CONTENTS**

- C-1 Contents
- C-2 Evidence of No Betterment for 48-inch Bypass In Prince Road West of I-10
- C-6 Prior Right of 78-Inch Sewer in Eastbound Frontage Road (EBFR)

**EVIDENCE OF NO BETTERMENT FOR 48-INCH BYPASS  
IN PRINCE ROAD WEST OF I-10**

The attached letter from Design Engineer Craig Cannizzaro, provided on Pages C-3 and C-4, explains that the use of 180.73 feet of 48-inch sewer pipe to divert sewage flow from an existing 32-inch sewer was not a BETTERMENT, but instead allowed for a lower RELOCATION cost than maintaining the 32-inch sewer size.

Installation of this 180.73 feet of 48-inch sewer pipe allowed PCRWRD to abandon and remove 1126 feet of conflicting 32-inch sewer, and divert the sewage flow into an existing 54-inch sewer that had unused capacity. Overall, this was a much less costly RELOCATION than reconstruction of the entire 1126 feet of 32-inch sewer at a non-conflicting location. (This determination of NO BETTERMENT was made before the original AGREEMENT was negotiated, but the documentation was inadvertently left out of the original Exhibit C.)

Plans for the 32-inch to 48-inch diversion are provided On Page C-5.



January 10, 2011

Mary Lou Arbaugh  
Utility Coordinator  
ADOT Utility and Railroad Engineering  
Tucson District  
1221 South 2<sup>nd</sup> Ave. Mail Drop T100  
Tucson, AZ 85713-1602

**I-10 Mainline Reconstruction Ruthrauff to Prince  
TRACS No. 6241 01 C  
Re: Explanation for 48-Inch Sewer in Prince Road,**

Dear Mary Lou:

This letter is being written regarding the design of the 48-inch sewer main connection between the existing 30-inch sewer (G-141) within Prince Road and the existing 54-inch sewer (G-74-08) just north of Prince Road. Currently there is an existing connection between the 30 and 54-inch sewers near the intersection of Prince Road and the I-10 westbound frontage road that needs to be relocated due to the planned improvements to Prince Road and I-10. The new location for the connection between the 30 and 54-inch sewer is at the intersection of Prince Road and Runway Drive.

It is normal practice for sewers of differing sizes to be connected by matching crowns, this avoids the potential for the smaller pipe to be surcharged if the larger pipe fills up. However, because of the size difference between the 30 and 54-inch sewer mains, the design would have been complicated to make up the 2-feet of elevation in order to maintain a favorable pattern of flow without releasing the entrained hydrogen sulfide gases. This configuration would also make the junction structure where we are connecting the pipes very long. By using a 48-inch sewer pipe we only needed to make up 6-inches of elevation which allowed a much more compact junction structure which will save money during construction and will not take the entire intersection.

URS Corporation  
333 East Wilmore Road, Suite 400  
Tucson, Arizona 85705  
Tel: 520.887.1800  
Fax: 520.887.8438

**URS**

Page 2 of 2

If you have any questions, please feel free to call.

Sincerely,

URS Corporation



Craig Cannizzaro, P.E.  
Sr. Water/Wastewater Engineer

cc  
Enclosure  
cc: Jody Rodriguez.



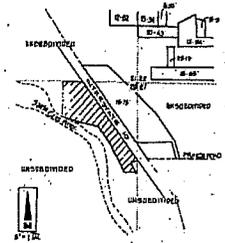
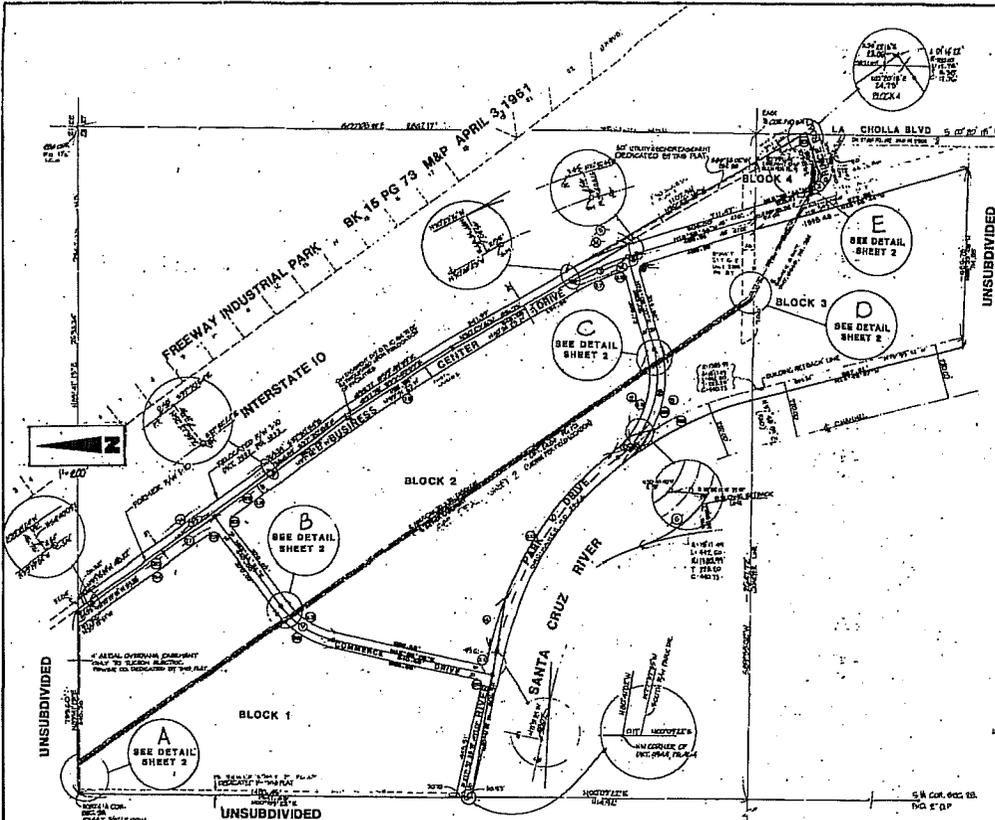
## **PRIOR RIGHT OF 78-INCH SEWER IN EAST BOUND FRONTAGE ROAD (EBFR)**

The Amended Plat of North Tucson Business Center, shown on Pages C- 7 and C-8 of this Exhibit, was recorded May 5, 1983 as Book 36, Page 22 in the Pima County Recorder's Book of Maps. This subdivision plat shows a 30-foot Utility and Sewer Easement in Block 4, adjacent to the west I-10 right-of-way line.

The 78-inch Sewer was constructed in 1974-75 as City of Tucson project G-74-08. A plan sheet showing construction of this sewer segment is shown on Page C-9 of this Exhibit. The "As-Built" stamp indicates completion 12/3/1975. (This segment of the sewer was built in then-ADOT right-of-way, but ADOT turned over a portion of this right-of-way to the City of Tucson, who subsequently abandoned this segment, allowing for creation of the Utility and Sewer Easement established in Book 36, Page 22 in the Pima County Recorder's Book of Maps.)

A composite drawing showing the location of the 78-inch sewer within the 30-foot Utility and Sewer Easement is attached as Page C-10 of this Exhibit.

Note that the composite drawing does not show the full extent of the Utility and Sewer Easement, part of which has been reacquired as part of the right-of-way acquisition under ADOT Project 10 PM 250 H3186 01R. See Page C-11 of this Exhibit.



**LOCATION PLAN**  
Portions of sections 27 and 28,  
T13S-R13E, 8 and SR Band M, Pima  
County, Arizona.

**GENERAL NOTES**

- AREA OF SUBDIVISION 66.79 ACRES (2774,899 SQUARE FEET)
- TOTAL NUMBER OF BLOCKS 4
- ANY RELOCATION, MODIFICATION, ETC. OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS DESCRIBED IN THIS INSTRUMENT WILL BE AT NO EXPENSE TO BENEFITARY.
- ONE-HALF INCH IRON PIN SET AT ALL BLOCK CORNERS AND
- RAILS BY BEARINGS, EAST LINE OF SECTION BE USED P.S. 1-10-24
- BEARING P.S. 2843.
- IT REPRESENTS A 1/4 ACRES SURVEY INSTRUMENT TO BE SET IN CONFORMANCE WITH A RECORDED PROFESSIONAL ENGINEER'S OR ARCHITECT'S LAND SURVEY.
- DEVELOPMENT PLANS FOR EACH SITE WILL BE SUBMITTED TO THE CITY AND APPROVED BY THE CITY PRIOR TO APPLICATION FOR BUILDING PERMITS.
- IF, IN THE OPINION OF THE TRANSPORTATION DEPARTMENT, VIOLATION OF THE NO-ACCESS EASEMENT IS CREATING A HAZARDOUS CONDITION, THE PROPERTY OWNER SHALL INSTALL PHYSICAL BARRIERS TO RESTRICT ACCESS TO THE DESIGNATED POINTS OF INTERFERENCE.
- THIS SUBDIVISION IS SUBJECT TO THE FOLLOWING UNRECORDED EASEMENTS:
  - MOUNTAIN STATES TELEPHONE AND TELEGRAM
  - BOOK 78 OF MISCELLANEOUS RECORDS AT PAGE 248
  - AMERICAN TELEPHONE & TELEGRAPH COMPANY OF WYOMING
  - BOOK 303 OF MISCELLANEOUS RECORDS AT PAGE 504
  - SOUTHWEST PACIFIC FIRE LINES, INC.
  - BOOK 28 OF PAGE 211
  - AMERICAN TELEPHONE AND TELEGRAPH RIGHT-OF-WAY EASEMENT
  - BOOK 107 OF MISCELLANEOUS RECORDS AT PAGE 328
- THIS PLAN IS BEING RECORDED TO CORRECT AN ERRONEOUS LOCATION OF THE NORTH BOUNDARY OF SECTION 28 AS AS RECORDED IN BOOK 34 OF MAPS AND PLATS BY PAGE 84 AND TO RESTATE THE NORTH BOUNDARY OF SAID SECTION IN CONFORMANCE WITH THE LEGAL DESCRIPTION REPRODUCED IN DOCKET LOGS AT PAGE 1000.

**DEDICATION**

WE, THE UNDERSIGNED, HEREBY WARRANT THAT WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LANDS SHOWN ON THIS PLAN, AND WE CONSENT TO THE SUBDIVISION OF SAID LAND IN THE MANNER SHOWN HEREON.

WE HEREBY DEDICATE AND CONVEY TO THE CITY OF TUCSON ALL RIGHTS OF AND AS EIGHT, HERONS, INCLUDING ALL STREETS, WE HEREBY GRANT TO THE CITY OF TUCSON AND PIMA COUNTY AND ALL UTILITY COMPANIES ALL EASEMENTS AS SHOWN HEREON FOR THE PURPOSE OF MAINTENANCE AND IMPROVEMENT OF SEWERS AND UTILITIES AND OTHER LINES AS INDICATED ON THIS PLAN.

WE, THE UNDERSIGNED, OUR SUCCESSORS AND ASSIGNS, DO HEREBY SAVE, RESERVE, WAIVER FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF SAID LANDS NOW AND IN THE FUTURE, AN EASEMENT RELATED TO FLOODING, EROSION OR DAMAGE CAUSED BY WEATHER, WHETHER SURFACE FLOODS OR SETS BETWEEN THE CITY OF TUCSON AND NORTH TUCSON BUSINESS CENTER, SAID AGREEMENT BEING ORIGINATED AS FOLLOWS:

LAWYER TITLE OF ARIZONA, AN ARIZONA CORPORATION UNDER TRUST NO. 244-17, AS TRUSTEE, ONLY AND NOT IN ITS CORPORATE CAPACITY, REPRESENTED BY: **WILLIAM M. HARRIS, JR., ATTORNEY**

NORTH TUCSON BUSINESS CENTER, A LIMITED PARTNERSHIP  
17002 WAGNER AVENUE  
TUCSON, CALIFORNIA 94714

STATE OF ARIZONA  
COUNTY OF PIMA  
THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 21<sup>ST</sup> DAY OF APRIL, 1983, BY **WILLIAM M. HARRIS, JR., ATTORNEY** OF LAWYER TITLE OF ARIZONA, AN ARIZONA CORPORATION.

IN WITNESS WHEREOF, I HEREBY SET MY HAND AND OFFICIAL SEAL.

*William M. Harris, Jr.*  
BY **WILLIAM M. HARRIS, JR.**  
ATTORNEY

**RECORDING**  
STATE OF ARIZONA  
COUNTY OF PIMA  
FILE NO. 55010  
FEE: \$40.00

FILED FOR RECORD AT THE OFFICE OF THE COUNTY CLERK OF PIMA COUNTY, ARIZONA, ON THIS 21<sup>ST</sup> DAY OF APRIL, 1983, AT 10:00 A.M. IN BOOK 36, OF MAPS AND PLATS.

BY **Richard Kennedy**  
COUNTY CLERK

**AMENDED PLAT OF NORTH TUCSON BUSINESS CENTER**

BLOCKS 1 THRU 4  
A Subdivision of  
Portions of sections 27 and 28,  
T13S-R13E, 8 and SR Band M, Pima  
County, Arizona.

Scale 1"=200'  
C12-80-41A  
MARCH 1983  
77241-01-06-01

**CELA BARR ASSOCIATES**  
SHEET 1 OF 2

**CURVE DATA**

NUMBER	DELTA	ARC LENGTH	TANGENT	CHORD	PC	PT	PI	PT	PC	CHORD BEARING
1	109°46'38"	1408.88'	730.15'	373.84'	172.00'	181.77'	181.77'	181.77'	181.77'	181.77'
2	89°33'04"	411.00'	231.64'	143.37'	341.77'	341.77'	341.77'	341.77'	341.77'	341.77'
3	50°00'00"	18.00'	11.81'	75.00'	106.50'	106.50'	106.50'	106.50'	106.50'	106.50'
4	90°28'30"	385.00'	84.49'	42.44'	81.44'	81.44'	81.44'	81.44'	81.44'	81.44'
5	17°25'36"	1741.00'	292.05'	144.72'	292.42'	292.42'	292.42'	292.42'	292.42'	292.42'
6	27°02'18"	445.00'	176.29'	85.37'	176.29'	176.29'	176.29'	176.29'	176.29'	176.29'
7	11°40'28"	1100.00'	144.51'	172.40'	244.00'	244.00'	244.00'	244.00'	244.00'	244.00'
8	8°57'30"	13.00'	34.82'	74.25'	37.00'	37.00'	37.00'	37.00'	37.00'	37.00'
9	11°40'28"	1100.00'	144.51'	172.40'	244.00'	244.00'	244.00'	244.00'	244.00'	244.00'
10	39°38'45"	1404.88'	941.64'	499.07'	929.00'	929.00'	929.00'	929.00'	929.00'	929.00'
11	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
12	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
13	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
14	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
15	9°28'00"	2307.31'	311.70'	170.83'	311.70'	311.70'	311.70'	311.70'	311.70'	311.70'
16	7°01'18"	5476.21'	1021.11'	428.83'	1021.11'	1021.11'	1021.11'	1021.11'	1021.11'	1021.11'
17	4°47'00"	1183.00'	174.12'	87.65'	174.12'	174.12'	174.12'	174.12'	174.12'	174.12'
18	8°57'30"	13.00'	41.82'	17.07'	41.82'	41.82'	41.82'	41.82'	41.82'	41.82'
19	8°57'30"	13.00'	41.82'	17.07'	41.82'	41.82'	41.82'	41.82'	41.82'	41.82'
20	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
21	61°12'11"	445.00'	313.40'	182.16'	234.14'	234.14'	234.14'	234.14'	234.14'	234.14'
22	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
23	8°57'30"	13.00'	37.21'	24.84'	35.31'	35.31'	35.31'	35.31'	35.31'	35.31'
24	10°40'00"	2307.31'	311.70'	170.83'	311.70'	311.70'	311.70'	311.70'	311.70'	311.70'
25	9°05'01"	190.00'	60.95'	30.49'	60.95'	60.95'	60.95'	60.95'	60.95'	60.95'
26	24°52'21"	1246.38'	341.05'	211.40'	341.05'	341.05'	341.05'	341.05'	341.05'	341.05'
27	20°19'30"	2307.31'	311.70'	170.83'	311.70'	311.70'	311.70'	311.70'	311.70'	311.70'
28	44°52'13"	1246.38'	341.05'	211.40'	341.05'	341.05'	341.05'	341.05'	341.05'	341.05'
29	0°44'17"	2307.31'	311.70'	170.83'	311.70'	311.70'	311.70'	311.70'	311.70'	311.70'
30	44°52'13"	1246.38'	341.05'	211.40'	341.05'	341.05'	341.05'	341.05'	341.05'	341.05'
31	10°40'00"	15.00'	37.43'	16.71'	37.43'	37.43'	37.43'	37.43'	37.43'	37.43'
32	13°12'30"	1700.00'	280.92'	141.41'	280.92'	280.92'	280.92'	280.92'	280.92'	280.92'
33	4°12'30"	2307.31'	311.70'	170.83'	311.70'	311.70'	311.70'	311.70'	311.70'	311.70'
34	12°48'48"	1145.00'	271.41'	134.25'	271.41'	271.41'	271.41'	271.41'	271.41'	271.41'

**CERTIFICATION**

I HEREBY CERTIFY THAT THE BOUNDARY SURVEY SHOWN ON THIS PLAT WAS PERFORMED UNDER MY DIRECTION AND THAT ALL EXISTING AND/OR PROPOSED SURVEY MONUMENTS AND MARKERS SHOWN ARE CORRECTLY RECORDED. I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECTION.

*John A. Evans*  
JOHN A. EVANS, REGISTERED PROFESSIONAL ENGINEER  
REG. NO. 11577

**CONSENT TO DEDICATE**

WE, THE UNDERSIGNED, HEREBY WARRANT THAT WE AS TRUSTEE FOR THAT CERTAIN DEED OF TRUST RECORDED IN DOCKET 618 AT PAGE 82, WHICH DEED OF TRUST DESCRIBES THE LAND SHOWN HEREON, AND THAT WE AS TRUSTEE DO HEREBY CONSENT TO THE SUBDIVISION OF THE LAND SHOWN HEREON.

LAWYER TITLE OF ARIZONA, AN ARIZONA CORPORATION AS TRUSTEE ONLY AND NOT IN ITS CORPORATE CAPACITY FOR DEED OF TRUST, RECORDED IN DOCKET 618 AT PAGE 82.

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS THE 21<sup>ST</sup> DAY OF APRIL, 1983, BY LAWYER TITLE OF ARIZONA, AN ARIZONA CORPORATION, AS TRUSTEE OF THAT CERTAIN DEED OF TRUST RECORDED IN DOCKET 618 AT PAGE 82.

*Richard Kennedy*  
BY **RICHARD KENNEDY**  
COUNTY CLERK

BENEFICIARIES OF DEED OF TRUST, DO, 618 AT PAGE 82, AND A BUREAU GROUP AND GEORGINA J. ANDERSON, HUSBAND & WIFE.

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS THE 21<sup>ST</sup> DAY OF APRIL, 1983, BY LAWYER TITLE OF ARIZONA, AN ARIZONA CORPORATION, AS TRUSTEE OF THAT CERTAIN DEED OF TRUST RECORDED IN DOCKET 618 AT PAGE 82.

*Richard Kennedy*  
BY **RICHARD KENNEDY**  
COUNTY CLERK

*Richard Kennedy*  
BY **RICHARD KENNEDY**  
COUNTY CLERK

**ASSURANCES**

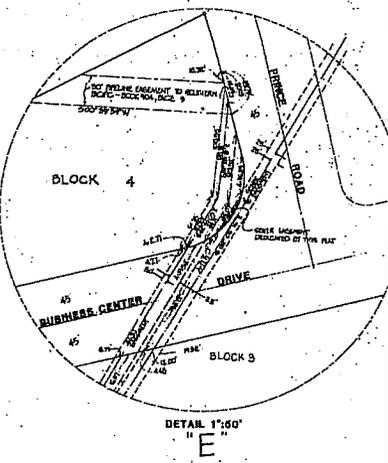
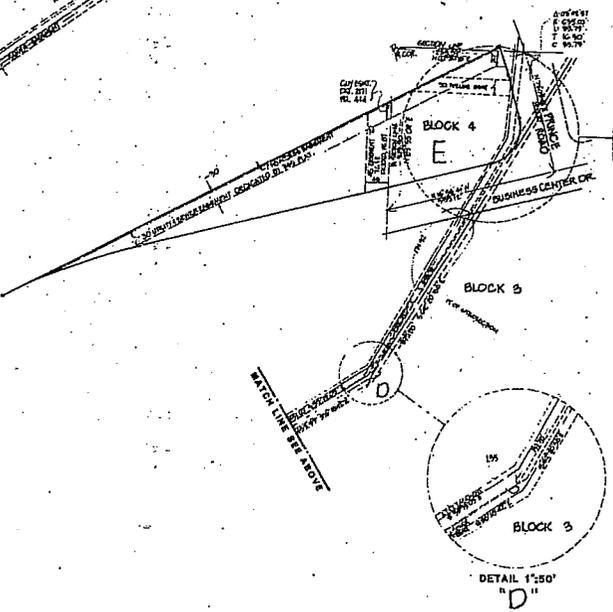
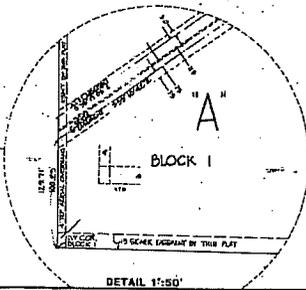
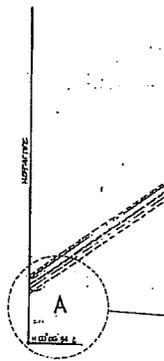
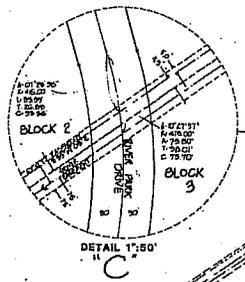
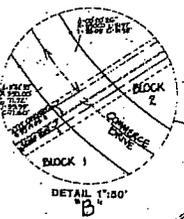
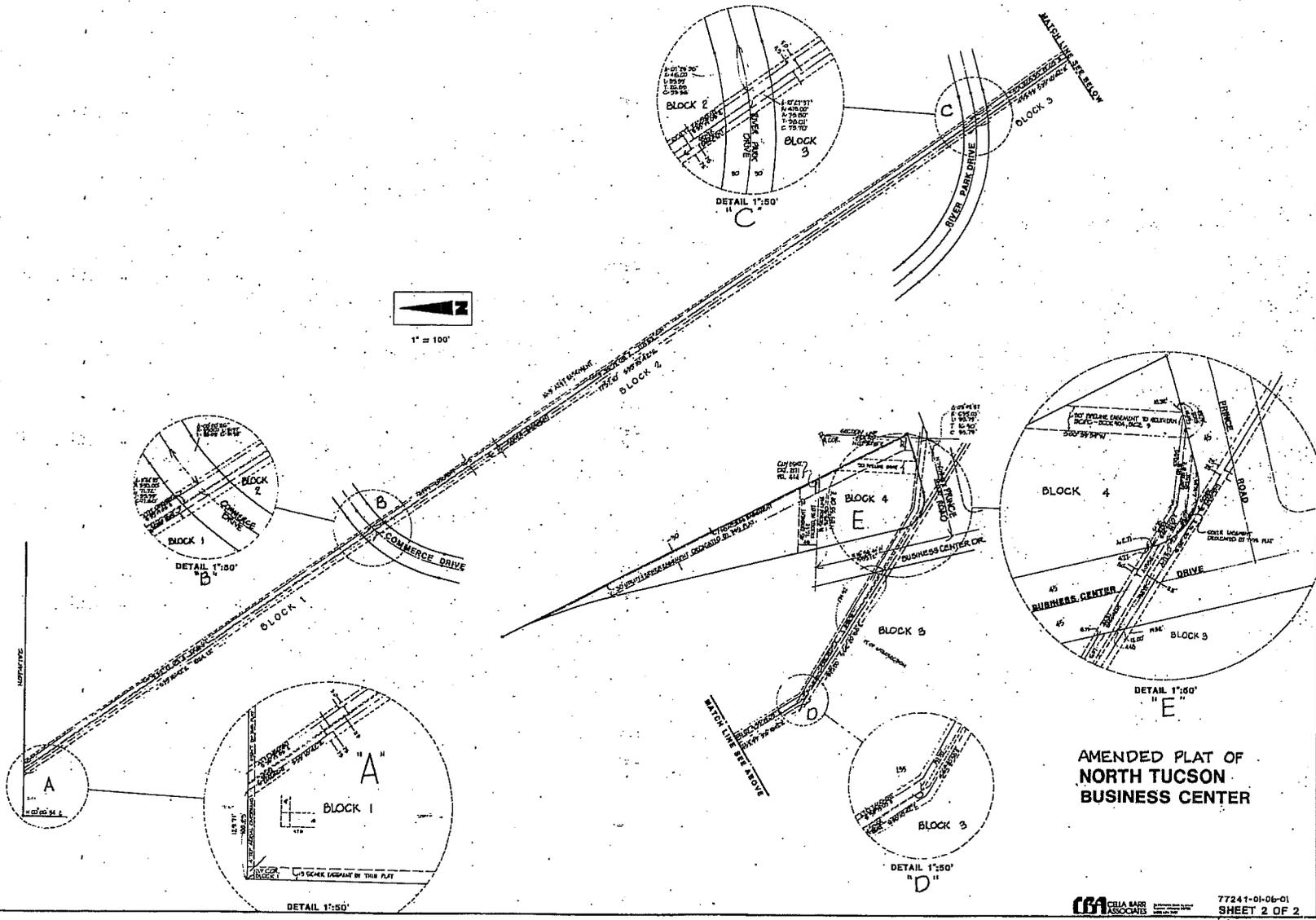
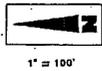
THIS IS TO CERTIFY THAT ALL OFF-SITE IMPROVEMENTS SUCH AS STREETS, SIDEWALKS, SEWER, WATER, GAS AND ELECTRIC UTILITY INSTALLATIONS, DRAINAGE AND FLOOD CONTROL, FACILITIES AND MONUMENTS NEEDED BY THE CITY OF TUCSON AND PIMA COUNTY TO SERVE THE PROJECTS OF SUCH IMPROVEMENTS HAS BEEN SECURED BY THE CITY OF TUCSON AND PIMA COUNTY IN ACCORDANCE WITH THE CITY OF TUCSON AND PIMA COUNTY ORDINANCES AND REGULATIONS.

*Richard Kennedy*  
BY **RICHARD KENNEDY**  
COUNTY CLERK

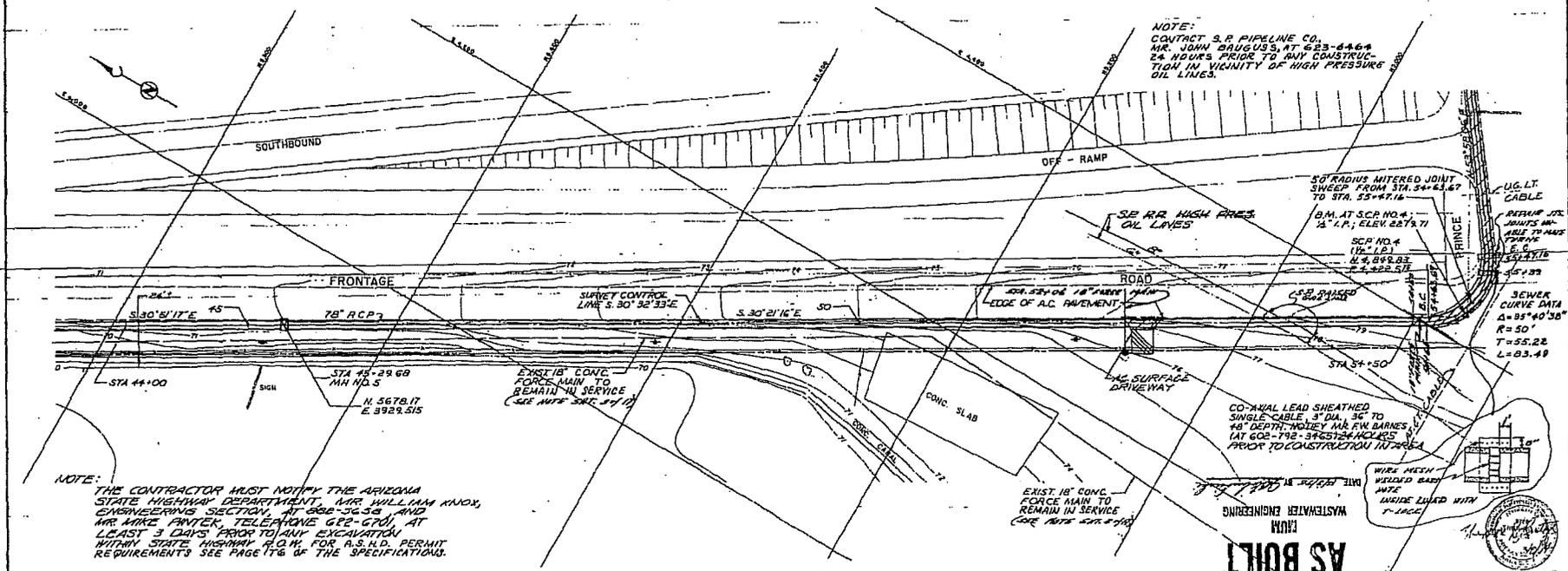
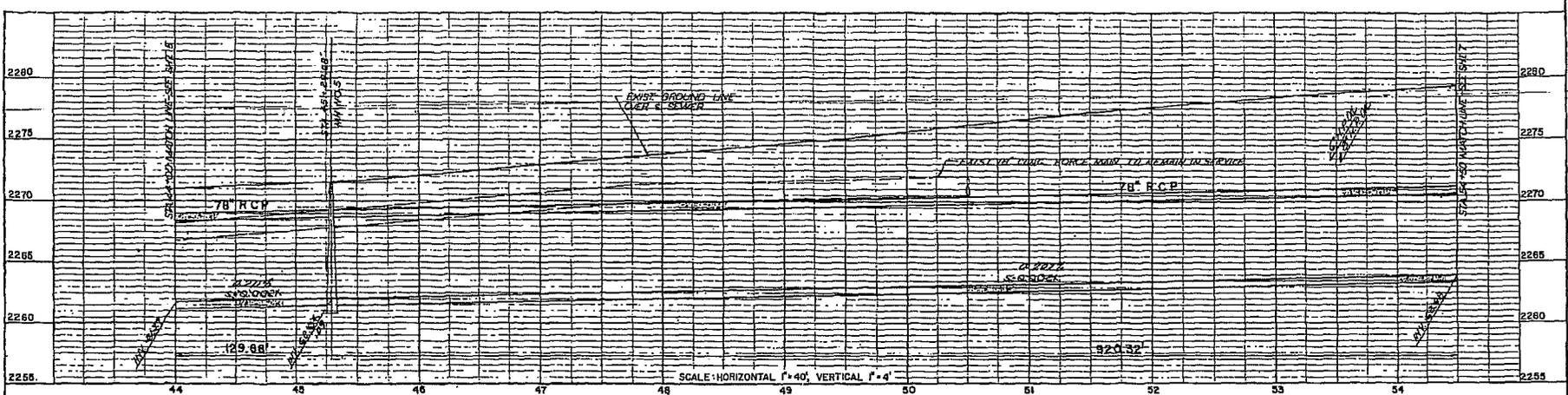
**APPROVALS**

1. DONALD L. BOWEN, CLERK OF THE CITY OF TUCSON, ARIZONA, HEREBY CERTIFY THAT THIS PLAT WAS APPROVED BY THE BOARD AND COUNCIL OF THE CITY OF TUCSON, ARIZONA, ON THIS THE 17<sup>TH</sup> DAY OF APRIL, 1983.

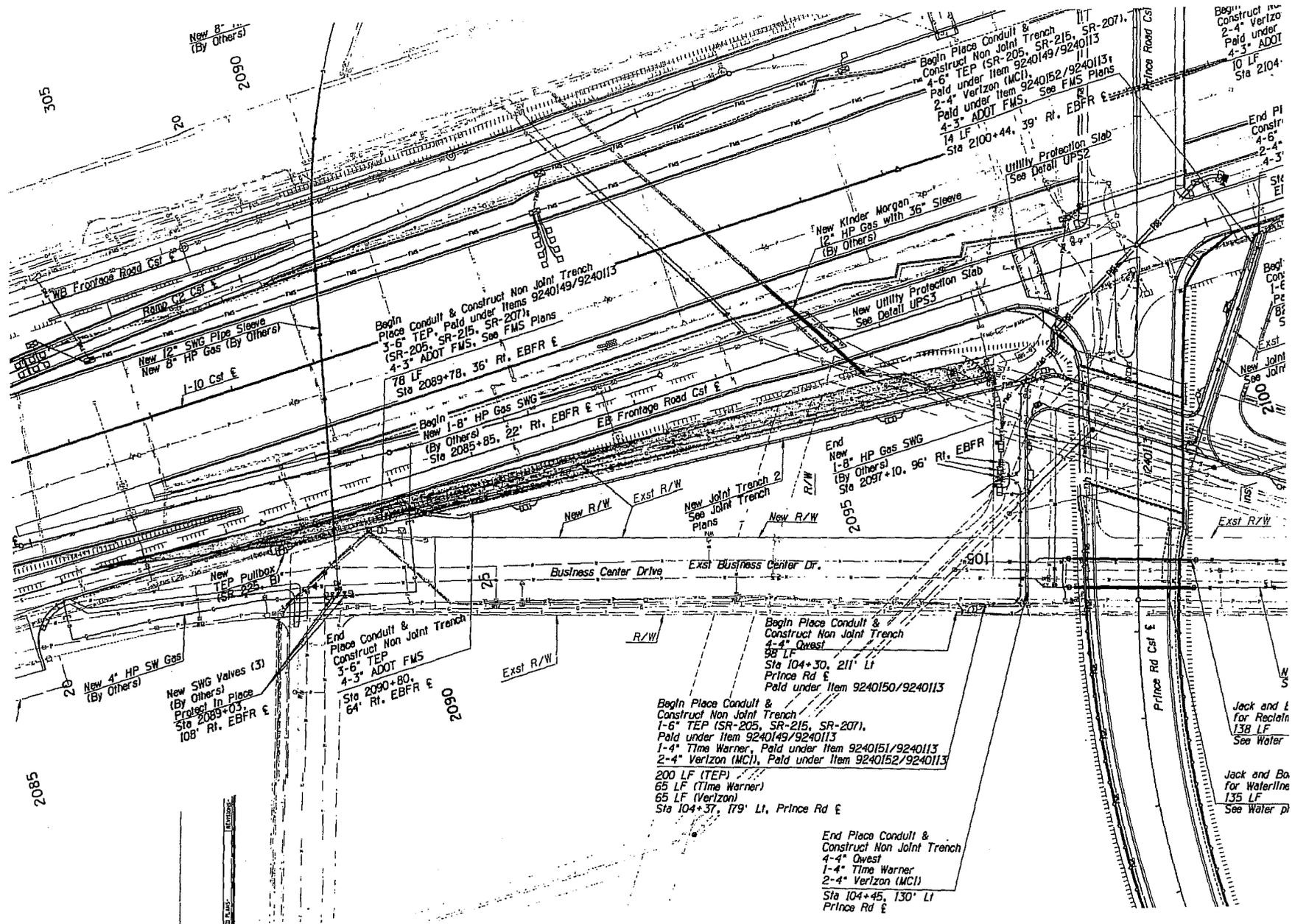
*Donald L. Bowen*  
BY **DONALD L. BOWEN**  
CITY CLERK



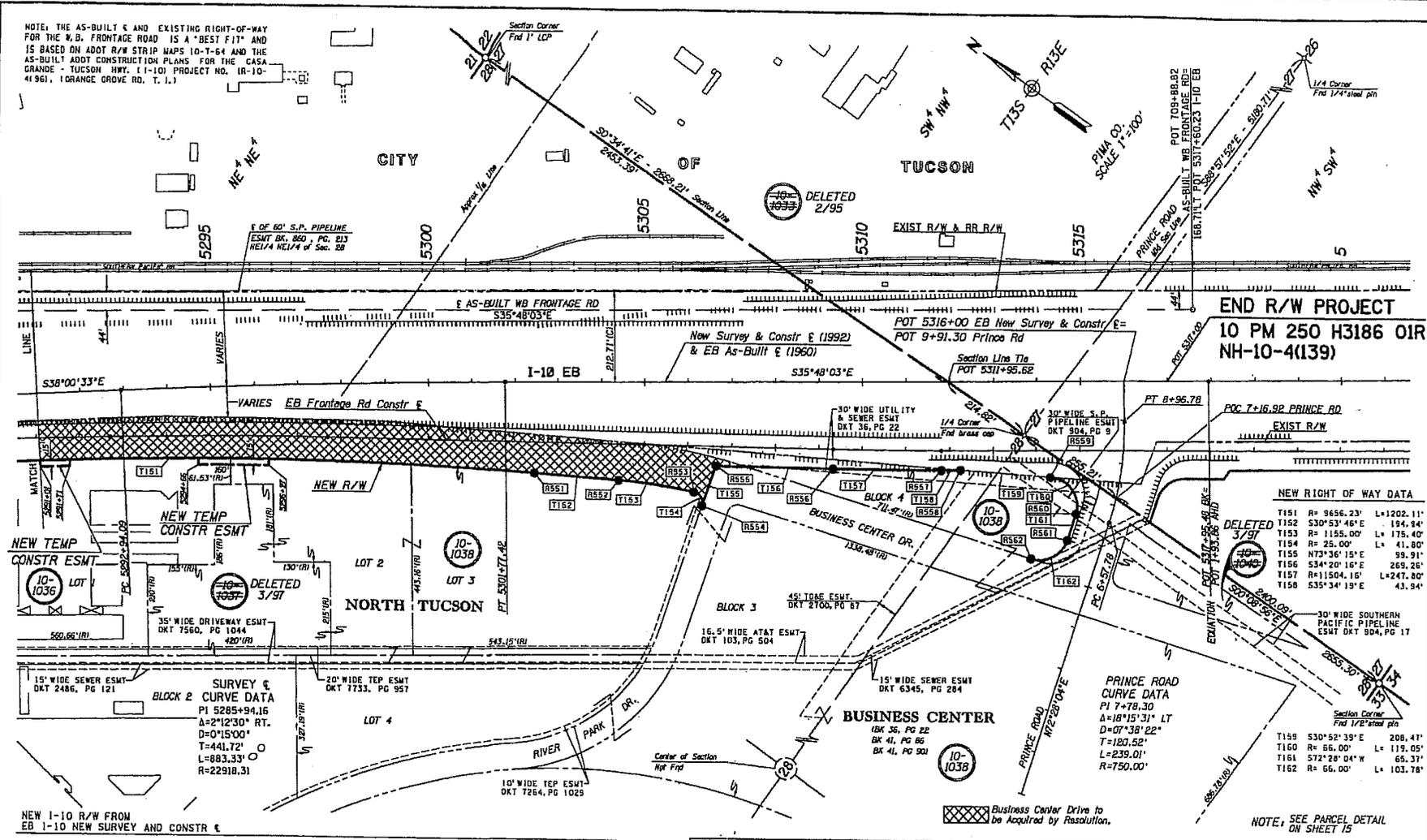
AMENDED PLAT OF NORTH TUCSON BUSINESS CENTER



DRAWN: E.V.O.B. CHECKED: J.H.S.	DESIGNED: <i>[Signature]</i> QUANTITY: <i>[Signature]</i>	APPROVED: <i>[Signature]</i> ENGINEER: <i>[Signature]</i> CITY OF TUCSON	BROWN AND CALDWELL CONSULTING ENGINEERS SAN FRANCISCO - ALHAMBRA, CALIFORNIA	FILE: S-398 D DATE: JULY 1974	CITY OF TUCSON PRINCE ROAD INTERCEPTOR SEWER - PHASE I STA. 44+00 TO STA. 54+50	SHEET NUMBER: 6 OF 17 DATE: 6-17
------------------------------------	--	--	--	----------------------------------	---	-------------------------------------



NOTE: THE AS-BUILT & EXISTING RIGHT-OF-WAY FOR THE W.B. FRONTAGE ROAD IS A "BEST FIT" AND IS BASED ON ADOT R/W STRIP MAPS 10-T-64 AND THE AS-BUILT ADOT CONSTRUCTION PLANS FOR THE CASA GRANDE - TUCSON HWY. (1-10) PROJECT NO. IR-10-41391, ORANGE GROVE RD. T. 1.)



**END R/W PROJECT**  
**10 PM 250 H3186 OIR**  
**NH-10-4(139)**

**NEW RIGHT OF WAY DATA**

T151	R= 9656.23'	L= 1202.11'
T152	S30°53'40"E	L= 194.54'
T153	R= 1155.00'	L= 175.40'
T154	R= 25.00'	L= 41.80'
T155	N73°36'15"E	L= 99.91'
T156	S34°20'16"E	L= 269.26'
T157	R= 11504.15'	L= 247.80'
T158	S35°34'15"E	L= 43.94'

**NEW 1-10 R/W FROM EB 1-10 NEW SURVEY AND CONSTR &**

R551	POT 5302+43.10	210.87' RT	R555	POT 5306+61.17	194.10' RT	R560	POT 5314+86.78	309.14' RT
R552	POT 5304+37.33	227.54' RT	R556	POT 5309+30.34	200.97' RT	R561	POT 5314+66.27	371.22' RT
R553	POT 5306+10.28	255.73' RT	R557	POT 5311+78.12	204.63' RT	R562	POT 5498.09	78.00' LT PRINCE ROAD
R554	POT 5306+27.98	288.33' RT	R558	POT 5312+22.05	204.81' RT	R563	POT 5313+82.80	413.17' RT
	LTB= N73°36'15"E		R559	POT 5314+29.75	222.70' RT			

**REVISIONS**

C.D. NO.	DATE	BY	DESCRIPTION
9123	3-21-97	URS	Rev. R/W Par. 10-1038, Del Par. 10-1037, & 10-1040

DRAWING NO.	D-16-T-37T
WARD COPY	914 14
DRAWN/DATE	DB MAY 94
CHECKED/DATE	OPT MAY 94
PROJECT NO.	NH-10-4(139)



ARIZONA DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
 RIGHT OF WAY PLANS SERVICES  
 CASA GRANDE - TUCSON HIGHWAY  
 PROJECT NO. NH-10-4(139)

1-10 ORANGE GROVE ROAD - PRINCE ROAD

SHEET 14 OF 24