



C2015-148

PAID 11/5/15

CONTRACT/GRANT INFORMATION SHEET

Date: 6/12/2014 12/22/14	
Staff's Name: Paul Mood	Department: Development Services
Vendor's Name: <i>Chaparral City Water</i>	
Address:	
Phone:	
Received W9 (if applicable):	<input type="checkbox"/> Y <input type="checkbox"/> N
Business License # (if applicable):	Exp. Date: Click here to enter a date.

ACCOUNTING SUMMARY	Org	Object	Project/#	\$
Accounting Code:	CIPST	4603	56010	159,082.18
Accounting Code:				

CONTRACT SUMMARY

Contract Number Assigned:	2015-148		
Contract Total:	\$159,082.18		
Brief Description of Service:	CCWC to reimburse water line relocations		
Contract Beginning Date:	Click here to enter a date.		
Contract Expiration Date:	Click here to enter a date.		
Budgeted Expenditure:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Budget Page #:			
Approved by Council:	<input type="checkbox"/> Yes; Date: 6/12/2014	<input checked="" type="checkbox"/> No	
Insurance Certificate provided:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Estimate Start Date:	6/12/2014	2/2/14	
Estimate Completion Date:	6/12/2014	2/2/14	

GRANT SUMMARY

Paid for by Grant:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Name of Grantee:			
Grant Number Assigned:			
Date Council Approved:			

**REIMBURSEMENT AGREEMENT
BETWEEN
CHAPARRAL CITY WATER COMPANY
AND
THE TOWN OF FOUNTAIN HILLS**

THIS REIMBURSEMENT AGREEMENT (this “Agreement”) is entered into as of December 16, 2014, between the Town of Fountain Hills, an Arizona municipal corporation (the “Town”), and Chaparral City Water Company, an Arizona corporation (“CCWC”).

RECITALS

A. CCWC desires to have the Town perform the design and construction necessary for the relocation of CCWC water lines within the Saguaro Boulevard rights-of-way from Trevino Drive to Fountain Hills Boulevard (the “Relocation”) as required by the Town’s Saguaro Boulevard Reconstruction Project (the “Project”).

B. The Town has agreed to, subject to the provisions of this Agreement, assume all obligations, perform the Relocation and pay all costs associated with completing the Relocation for the Project. CCWC has agreed to reimburse the Town for all costs incurred by the Town in completing the Relocation.

C. The Town and CCWC desire to enter into this Agreement to establish the parties’ rights and responsibilities with respect to the (i) completion of the Relocation and (ii) reimbursement to the Town of all costs associated with the Relocation.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing recitals, which are incorporated herein by reference, the following mutual covenants and conditions, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Town and CCWC hereby agree as follows:

1. Project Relocation. The Town shall perform the Relocation according to the Saguaro Blvd Reconstruction Project S6010 design plan set prepared by Kimley Horn and dated September 14, 2014 (the “Plans”) and the Saguaro Blvd Reconstruction Project S6010 technical specifications prepared by the Town and dated September 15, 2014 (the “Specs”). The Plans and Specs are attached hereto as Exhibit A and incorporated herein by reference. The Town shall permit CCWC to inspect the Relocation prior to completion of the Project. Upon completion of the Relocation, CCWC shall own, operate and maintain the relocated water lines and related infrastructure, provided, however, that no interest whatsoever in the Town rights-of-way shall pass to CCWC, its directors, officers, employees, or agents. The Town shall retain at all times a prior and superior right in the Town rights-of-way and nothing in this Agreement shall be construed to convey, deny or lessen the ownership rights of the Town.

2. Project Costs.

2.1 Town's Responsibility for Costs. The Town shall pay for all costs and expenses associated with the completion of the Relocation for the Project. Any cost overruns or change orders associated with the Relocation shall be the responsibility of CCWC. The Town shall maintain supporting documentation for all costs incurred and provide such to CCWC for review upon request.

2.2 Change Orders. The Town shall submit all change orders that increase the cost of the Relocation to CCWC for review. CCWC shall be responsible for all change orders or cost overruns associated with the Relocation. CCWC shall timely review and either reject or approve the change orders; provided, however, that CCWC shall not unreasonably condition, delay, withhold or deny such approval. Change orders that are not either approved or disapproved by CCWC within 10 days after submittal by the Town, shall be deemed approved by CCWC. If CCWC rejects a change order, such rejection shall be accompanied by a written statement specifying CCWC's reasons for rejecting the change order. In the event CCWC rejects a change order, the Town shall have the right, but not the obligation, to proceed with the change order at its own cost and expense. If such change order is subsequently determined to have been CCWC's responsibility, CCWC shall be responsible for all cost incurred by the Town in proceeding with the work contemplated in such change order and shall reimburse the Town in accordance with subsection 2.3 below.

2.3 Reimbursement Payments.

A. Design Costs. Upon execution of this Agreement, CCWC shall pay the Town \$11,000.00 for the design costs of the Relocation as set forth in the Kimley Horn Design Fee Proposal, dated September 11, 2014 (the "Design Fee Proposal"), attached hereto as part of Exhibit B and incorporated herein by reference and \$600.00 for the Maricopa County Environmental Services approval to construct permit fee, as set forth in the Approval to Construct, attached hereto as part of Exhibit B and incorporated herein by reference. CCWC shall pay the Town the construction observation fee in the amount of \$2,000.00, as set forth in the Design Fee Proposal attached hereto as part of Exhibit B, upon completion of the Relocation and within 30 days after receiving an invoice from the Town.

B. Construction Costs and General Costs. CCWC shall pay the Town construction costs for the Relocation in the amount of \$127,974.80 (the "Construction Costs") as set forth in the Bid Tabulation Sheet, attached hereto as Exhibit C and incorporated herein by reference. CCWC shall pay the Town, CCWC's proportionate share of mobilization/demobilization, traffic control, stormwater pollution prevention measures, construction surveying, as-builts and construction management costs, in the amount of \$12,507.38 (the "General Costs"), as set forth in the Bid Tabulation Sheet, attached hereto as Exhibit C. CCWC shall reimburse the Town for the Construction Costs and the General Costs as such costs are incurred by the Town and within 30 days after receipt of an invoice from the Town.

3. Further Acts. The parties hereto shall promptly and expeditiously execute and deliver all such documents and perform all such acts as reasonably necessary, from time to time, to carry out the matters contemplated by this Agreement.

4. Conflict of Interest. This Agreement is subject to the provisions of ARIZ. REV. STAT. § 38-511.

5. Agreement Subject to Appropriation. The Town is obligated only to pay its obligations set forth in the Agreement as may lawfully be made from funds appropriated and budgeted for that purpose during the Town's then current fiscal year. The Town's obligations under this Agreement are current expenses subject to the "budget law" and the unfettered legislative discretion of the Town concerning budgeted purposes and appropriation of funds. Should the Town elect not to appropriate and budget funds to pay its Agreement obligations, this Agreement shall be deemed terminated at the end of the then-current fiscal year term for which such funds were appropriated and budgeted for such purpose and the Town shall be relieved of any subsequent obligation under this Agreement. The parties agree that the Town has no obligation or duty of good faith to budget or appropriate the payment of the Town's obligations set forth in this Agreement in any budget in any fiscal year other than the fiscal year in which the Agreement is executed and delivered. The Town shall be the sole judge and authority in determining the availability of funds for its obligations under this Agreement. The Town shall keep CCWC informed as to the availability of funds for this Agreement. The obligation of the Town to make any payment pursuant to this Agreement is not a general obligation or indebtedness of the Town. CCWC hereby waives any and all rights to bring any claim against the Town from or relating in any way to the Town's termination of this Agreement pursuant to this section.

5. Miscellaneous.

5.1 Independent Contractor. CCWC acknowledges and agrees that the services provided under this Agreement by the Town are being provided as an independent contractor, not as an employee or agent of CCWC. CCWC does not have the authority to supervise or control the actual Relocation work performed by the Town, its employees or its subcontractors. The Town, and not CCWC, shall determine the time of its performance of the services provided under this Agreement. The Town and CCWC do not intend to combine business operations under this Agreement.

5.2 Applicable Law; Venue. This Agreement shall be governed by the laws of the State of Arizona and suit pertaining to this Agreement may be brought only in courts located in Maricopa County, Arizona.

5.3 Amendments. This Agreement may be modified only by a written amendment signed by persons duly authorized to enter into contracts on behalf of CCWC and the Town.

5.4 Provisions Required by Law. Each and every provision of law and any clause required by law to be in this Agreement will be read and enforced as though it were

If to the Town: Town of Fountain Hills
16705 East Avenue of the Fountains
Fountain Hills, Arizona 85268
Attn: Kenneth W. Buchanan, Town Manager

With copy to: GUST ROSENFELD, P.L.C.
One East Washington Street, Suite 1600
Phoenix, Arizona 85004-2553
Attn: Andrew J. McGuire, Esq.

or at such other address, and to the attention of such other person or officer, as any party may designate in writing by notice duly given pursuant to this subsection. Notices shall be deemed received (A) when delivered to the party, (B) three business days after being placed in the U.S. Mail, properly addressed, with sufficient postage or (C) the following business day after being given to a recognized overnight delivery service, with the person giving the notice paying all required charges and instructing the delivery service to deliver on the following business day. If a copy of a notice is also given to a party's counsel or other recipient, the provisions above governing the date on which a notice is deemed to have been received by a party shall mean and refer to the date on which the party, and not its counsel or other recipient to which a copy of the notice may be sent, is deemed to have received the notice.

5.10 Time is of the Essence. Time is of the essence with regard to the performance of all of the parties' obligations under this Agreement.

5.11 Waivers. No provision of this Agreement may be waived or modified, except by a writing signed by the party against whom such waiver or modification is sought to be enforced. The terms of this Agreement shall be binding upon and inure to the benefit of the parties' permitted successors and assigns.

5.12 Captions. Captions and section headings used herein are for convenience only and are not a part of this Agreement and shall not be deemed to limit or alter any provisions hereof and shall not be deemed relevant to construing this Agreement.

5.13 Counterparts. This Agreement may be executed in any number of counterparts, all such counterparts shall be deemed to constitute one and the same instrument, and each counterpart shall be deemed an original of this Agreement.

6. Indemnification. To the fullest extent permitted by law, each party shall indemnify and hold harmless the other party and each council member, officer, director, employee or agent thereof (any such person being herein called an "Indemnified Party"), for, from and against any and all losses, claims, damages, liabilities, costs and expenses (including, but not limited to, reasonable attorneys' fees, court costs and the costs of appellate proceedings) to which any such Indemnified Party may become subject, under any theory of liability whatsoever ("Claims") to the extent that such Claims (or actions in respect thereof) are caused by the negligent acts, recklessness or intentional misconduct of the other party, its officers, directors,

employees, agents, or any tier of subcontractor in connection with the work or services in the performance of this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date and year first set forth above.

“Town”

TOWN OF FOUNTAIN HILLS,
an Arizona municipal corporation

Kenneth W. Buchanan
Kenneth W. Buchanan, Town Manager

ATTEST:

Bevelyn J. Bender
Bevelyn J. Bender, Town Clerk

(ACKNOWLEDGMENT)

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

On December 22, 2014, before me personally appeared Kenneth W. Buchanan, the Town Manager of the TOWN OF FOUNTAIN HILLS, an Arizona municipal corporation, whose identity was proven to me on the basis of satisfactory evidence to be the person who he claims to be, and acknowledged that he signed the above document, on behalf of the Town of Fountain Hills.



Janice E. Baxter
Notary Public

[SIGNATURES CONTINUE ON FOLLOWING PAGE]

“CCWC”

CHAPARRAL CITY WATER COMPANY,
an Arizona corporation

By: *Andrew D. Brown*

Name: *Andrew D. Brown*

Title: *Engineering Manager*

(ACKNOWLEDGMENT)

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

On *December 17*, 2014, before me personally appeared *Andrew Brown*, the *Engineering Mgr* of CHAPARRAL CITY WATER COMPANY, an Arizona corporation, whose identity was proven to me on the basis of satisfactory evidence to be the person who he/she claims to be, and acknowledged that he/she signed the above document on behalf of the corporation.

Teresa L. Cleland
Notary Public

(Affix notary seal here)

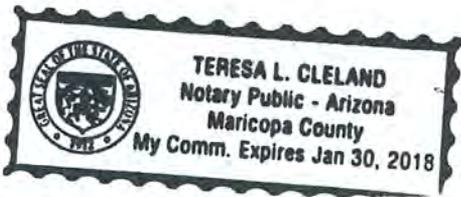
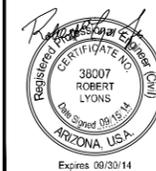


EXHIBIT A
TO
REIMBURSEMENT AGREEMENT
BETWEEN
CHAPARRAL CITY WATER COMPANY
AND
THE TOWN OF FOUNTAIN HILLS

[Plans and Specs]

See following pages.



GENERAL NOTES:

- 1. PIPE SEPARATION: SEPARATION BETWEEN WATER AND SEWER LINES WILL BE A MINIMUM OF 6 FEET FROM OUTSIDE EDGE TO OUTSIDE EDGE OF PIPE. TWO FEET SEPARATION IS REQUIRED BETWEEN WATER LINES, STORM DRAINS, AND DRY UTILITIES.
2. DIP SECTION: THE ENTIRE RESTRAINED LENGTH OF ALL DIP SECTIONS SHALL BE JOINT RESTRAINED DUCTILE IRON PIPE (DIP) WITH POLYETHYLENE WRAP. JOINT RESTRAINED LENGTHS WILL FOLLOW MAG STANDARD DETAILS 303-1 AND 303-2.
3. CONCRETE ENCASUREMENT: ALL WATER AND SEWER ENCASUREMENTS SHALL FOLLOW MAG STD. DET. 404-1. WHEN A WATER LINE MUST BE CONSTRUCTED UNDER A SEWER OR RECLAIMED WATER LINE, THE WATER LINE MUST BE A MINIMUM OF 2' BELOW THE SEWER OR RECLAIMED WATER LINE AND EXTRA PROTECTION IS REQUIRED. PROTECTION FOR THE SEWER MAIN SHOULD BE CONSTRUCTED WITH MECHANICAL JOINT OR RESTRAINED JOINT DUCTILE IRON PIPE FOR A DISTANCE OF TEN FEET ON BOTH SIDES OF THE WATER MAIN. A FULL LENGTH OF DIP WILL BE CENTERED OVER/UNDER THE WATER MAIN. WHEN DIP IS NOT USED FOR THE SEWER MAIN, BOTH THE WATER AND SEWER LINES WILL BE ENCASED IN CONCRETE FOR A LENGTH OF 10' ON BOTH SIDES OF THE CROSSING, PER MAG STD. DET. 404-2. REFER TO MAG STD. DET. 404-1 REGARDING FORCE MAINS. ALL ENCASUREMENTS REQUIRE REBAR AND CLASS "C" CONCRETE.
4. FIRE HYDRANTS LOCATED ON "DEAD END" WATER MAINS SHALL HAVE A BLOW-OFF, IN ACCORDANCE WITH EPCOR WATER STD. DET. 390-1, INSTALLED AT THE END OF THE WATER MAIN.
5. EXCEPT IN MOHAVE COUNTY, FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH EPCOR WATER STD. DET. 360-1 OR 360-2 AS INDICATED ON THE PLAN. IN MOHAVE COUNTY, FIRE HYDRANTS SHALL COMPLY WITH LOCAL FIRE MARSHAL REQUIREMENTS.
6. VALVE BOXES SHALL BE IN ACCORDANCE WITH MAG STD. DET. 391-1, TYPE C.
7. WATER SERVICES 2 INCHES AND SMALLER SHALL BE IN ACCORDANCE WITH EPCOR WATER STD. DET. 342-2.
8. RECLAIMED WATERLINES SHALL BE INSTALLED IN ACCORDANCE WITH MAG SECTIONS 601, 610 AND 616. TESTING SHALL BE IN ACCORDANCE WITH MAG SECTIONS 610 AND 611 INCLUDING DISINFECTION/CHLORINATION. FINAL FLUSHING AND BACTERIOLOGICAL TESTING AS SPECIFIED IN MAG SECTION 611.15 SHALL NOT BE REQUIRED.
9. GATE VALVES SHALL BE RESILIENT SEATED IN ACCORDANCE WITH EPCOR WATER'S WATER MATERIAL SPECS AND MAG SECT. 630.3.
10. CONCRETE THRUST BLOCKS SHALL BE IN ACCORDANCE WITH MAG STD. DET. 380. THRUST BLOCKS ARE NOT ALLOWED IN ROWS. RESTRAINED JOINTS PER MAG STD. DET. 303-1 & 2 SHALL BE USED IN ROWS IN PLACE OF CONCRETE THRUST BLOCKS.
11. FIELD LOCK GASKETS ARE NOT ALLOWED.
12. ALL WORK AND TESTING SHALL BE IN ACCORDANCE WITH MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARD SPECIFICATIONS AND DETAILS UNLESS OTHERWISE STATED ON PLANS.
13. ANY CHANGES FROM APPROVED PLANS MUST BE SUBMITTED TO EPCOR WATER FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING REQUIRED PERMITS AND INSPECTIONS FROM APPROPRIATE GOVERNMENTAL AGENCIES FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY (MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION, CITY ENGINEERING DEPARTMENT, ETC.). INSPECTIONS BY EPCOR WATER DO NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO OBTAIN REQUIRED INSPECTIONS FROM OTHER INTERESTED GOVERNMENTAL AGENCIES (BUILDING SAFETY, FIRE DISTRICT, ETC.).
15. CONTRACTOR SHALL NOTIFY EPCOR WATER CONSTRUCTION INSPECTIONS DEPARTMENT 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. USE THE CONTACT LIST IN EPCOR WATER'S DEVELOPER GUIDE TO SCHEDULE INSPECTION (EPCOR WATER GENERAL PHONE NUMBER IS 623-445-2400). WHEN APPOINTMENTS FOR INSPECTION ARE ARRANGED AT LEAST 48 HOURS IN ADVANCE, THE INSPECTION/TEST WILL BE CONDUCTED AS SCHEDULED, OTHERWISE THE REQUEST WILL BE SCHEDULED BASED ON AVAILABILITY.
16. ALL POTABLE WATERLINES AND FITTINGS SHALL HAVE NSF-PW SEAL. ALL MATERIALS AND PRODUCTS USED IN THE POTABLE WATER SYSTEM SHALL CONFORM TO NSF STANDARDS 60 AND 61 IN ACCORDANCE WITH AAC R18-4-213. ALL MATERIALS SHALL BE LEAD-FREE AS DEFINED IN AAC R18-4-101 AND R18-4-107.
17. VALVE SUPPORTS SHALL BE IN ACCORDANCE WITH MAG STD. DET. 301.
18. PUMPER NOZZLE TO BE ORIENTED TO PROVIDE BEST ACCESSIBILITY FOR FIRE TRUCK.
19. ALL HYDRANT PORTS MUST BE LUBRICATED WITH A FOOD-GRADE LUBRICANT.
20. HYDRANT COATING: FRAZEE ARO PLATE II 6480462 "BRIGHT YELLOW". COMPLETE HYDRANT PREPARATION PRIOR TO INSPECTION FOR PAINTING. INSPECTION IS ALSO REQUIRED AFTER PAINTING FOR CONTRACTOR TO RECEIVE FINAL ACCEPTANCE. THIS NOTE DOES NOT APPLY TO PROJECTS WITHIN MOHAVE COUNTY.
21. WATER VALVE DEBRIS CAPS: DEBRIS CAPS ARE REQUIRED WHEN WATER VALVES ARE CONSTRUCTED WITHIN 2 FEET OF THE EDGE OF GUTTER, IN AREAS THAT ARE UNPAVED, AND AREAS PRONE TO FLOODING. VALVES SHOULD BE SET 2-TENTHS ABOVE FINISH GRADE IN ALL UNPAVED AREAS. CONCRETE COLLAR WITH CARSONITE MARKER IS REQUIRED ON ALL VALVE LOCATIONS OUTSIDE OF RIGHT-OF-WAY.
22. NO STEPS SHALL BE INSTALLED IN MANHOLES. ALL MANHOLES SHALL HAVE A 30" FRAME AND COVER.
23. WATER TIGHT MANHOLE COVERS: WATER TIGHT MANHOLE COVERS ARE REQUIRED WHEN THE EDGE OF THE MANHOLE COVERS ARE CONSTRUCTED WITHIN 2 FEET OF THE EDGE OF GUTTER, IN AREAS THAT ARE UNPAVED, AND AREAS PRONE TO FLOODING. MANHOLES SHOULD BE SET 2-TENTHS ABOVE FINISH GRADE IN ALL UNPAVED AREAS. CONCRETE COLLAR WITH CARSONITE MARKER IS REQUIRED ON ALL VALVE LOCATIONS OUTSIDE OF RIGHT-OF-WAY. WATER TIGHT MANHOLE COVERS ARE REQUIRED FOR ALL MANHOLES IN MOHAVE COUNTY.
24. WATER PRESSURE TESTING: ALL WATER LINES WILL BE TESTED PER MAG SECTION 610.14. MODIFICATIONS TO THESE SPECIFICATIONS INCLUDE: THE TESTING TO BE AT A MINIMUM OF 200 PSI, HIGHER TEST PRESSURES MAY BE REQUIRED IN CERTAIN CIRCUMSTANCES, AND LOSS/LEAKAGE CALCULATIONS WILL BE BASED UPON A MAXIMUM OF 1500- FEET, STARTING WITH THE SMALLEST DIAMETER PIPE.
25. THE CONTRACTOR IS REQUIRED TO UNIFORM SLOPE TEST ALL SEWER LINES BY VIDEO AND VACUUM TEST ALL MANHOLES IN ACCORDANCE WITH A.A.C. R18-9-E301. DEFLECTION TESTING SHALL BE PERFORMED PER MAG SECTION 615. TESTING DOCUMENTATION AND DVDS SHALL BE SUBMITTED TO EPCOR WATER DEVELOPMENT SERVICES PROJECT MANAGER FOR APPROVAL PRIOR TO ACCEPTANCE. ALL REQUIRED REPAIRS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE COORDINATED WITH EPCOR WATER INSPECTORS
26. SEWER TESTING: ALL SEWER MAINS AND LATERALS SHALL BE PRESSURE TESTED AND VIDEO TESTED. ALL SEWER MAINS SHALL ALSO BE MANDRILL TESTED. THE MAXIMUM ALLOWABLE SAG IS 0.5 INCHES.
27. IN MOHAVE COUNTY, SOLID SLEEVES ARE NOT ALLOWED AS A REMEDY TO A FAILED PRESSURE TEST ON A NEW LINE.
28. APPROVED "AS-BUILT" PLANS CERTIFIED FOR CORRECTNESS BY A REGISTERED PROFESSIONAL CIVIL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF ARIZONA WILL BE REQUIRED PRIOR TO FINAL APPROVAL OF WATER AND SEWER CONSTRUCTION. THE "AS-BUILT" PLANS SHALL INCLUDE THE LOCATIONS OF ALL VERTICAL AND HORIZONTAL PIPE BENDS, VALVES, MANHOLES, SEWER TAPS, ETC., BY STATION/OFFSET AND NORTHING AND EASTING STATE PLANE COORDINATES. SEE EPCOR WATER'S CURRENT DEVELOPER GUIDE FOR COMPLETE "AS-BUILT" REQUIREMENTS.

TOWN OF FOUNTAIN HILLS, ARIZONA
SAGUARO BLVD RECONSTRUCTION
(TREVINO DR TO FOUNTAIN HILLS BLVD)
S6010



Table with 3 columns: UTILITY COMPANY, CONTACT PERSON, PHONE. Includes entries for SALT RIVER PROJECT, CENTURYLINK, EPCOR, FOUNTAIN HILLS SANITARY DIST., FOUNTAIN HILLS FIRE DEPT., COX COMMUNICATIONS, and SOUTHWEST GAS.

INDEX OF SHEETS

Table with 3 columns: SHEET NO., DWG SERIES NO., DESCRIPTION. Lists sheets 84 through 88 and their corresponding descriptions like COVER, LEGEND AND GENERAL NOTES, etc.

EPCOR WATERLINE RELOCATIONS

WATER SYSTEM MATERIAL SPECIFICATION

- DISTRIBUTION PIPING
• C900 POLYVINYL CHLORIDE (PVC): IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARD C900 FOR PIPE DIAMETERS UP TO 12"; DR=18, ELASTOMERIC-GASKET BELL-END. AREAS SUBJECTED TO PRESSURES GREATER THAN 100 PSI SHALL BE C900, DR=14.
• C905 POLYVINYL CHLORIDE (PVC): IN ACCORDANCE AWWA STANDARD C905 FOR PIPE DIAMETERS GREATER THAN 12"; DR=18, ELASTOMERIC-GASKET BELL END.
• DUCTILE IRON PIPE, MORTAR-LINED (D.I.P.): IN ACCORDANCE AWWA STANDARDS C150, C151 AND C153. EQUIVALENT O.D., PRESSURE CLASS 150 MINIMUM. MORTAR LINING SHALL BE IN ACCORDANCE WITH M.A.G. SECTION 750 AND AWWA C104. ALL DUCTILE IRON PIPE SHALL BE POLYETHYLENE WRAPPED FOR THE ENTIRE LENGTH IN ACCORDANCE WITH M.A.G. SECTION 610.5. AREAS SUBJECTED TO PRESSURES GREATER THAN 100 PSI SHALL BE PRESSURE CLASS 200 MINIMUM.
• IN PARADISE VALLEY DISTRICT, DUCTILE IRON PIPE ONLY. PVC IS NOT PERMITTED.
• IN MOHAVE COUNTY, ALL PVC MUST BE DR14 ONLY. DR18 IS NOT PERMITTED.
• CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE: IN ACCORDANCE WITH AWWA STANDARD C303 AND M.A.G. SECTION 758 FOR PIPE DIAMETERS GREATER THAN 24". MANUFACTURER'S TECHNICAL DATA SHEETS SHALL BE SUBMITTED TO THE UTILITY FOR REVIEW AND APPROVAL. SERVICE TAPS ARE NOT PERMITTED ON CONCRETE PRESSURE PIPE.
DISTRIBUTION FITTING
• PUSH-ON OR MECHANICAL JOINT IN ACCORDANCE WITH AWWA C111 AND M.A.G. SECTION 750.4. JOINT RESTRAINTS, WHERE REQUIRED, SHALL BE MECHANICAL RESTRAINED JOINT WITH PRODUCT APPROVED BY THE UTILITY OR FLANGED JOINT FOR LENGTHS IN ACCORDANCE WITH M.A.G. DETAIL 303-2. FIELD LOCK GASKETS ARE NOT ALLOWED.
WATER LINE VALVE
• MUELLER, CLOW, KENNEDY, OR M&H RESILIENT WEDGE SEATED GATE VALVE IN ACCORDANCE WITH M.A.G. SECTION 630.3 WITH VALVE BOX AND COVER IN ACCORDANCE WITH M.A.G. DETAIL 391-1 TYPE "C" MINIMUM LID WEIGHT OF 16LBS. VALVES INSTALLED OUTSIDE THE PAVEMENT OR IN THE FLOW LINE OF A ROADWAY SHALL HAVE A DEBRIS CAP INSTALLED PER M.A.G. STD. DET. 392. BUTTERFLY VALVES ARE PERMITTED ABOVE-GROUND ONLY.
• BUTTERFLY VALVES IN ACCORDANCE WITH AWWA STANDARD C504 FOR VALVE SIZES GREATER THAN 16". ALL BUTTERFLY VALVES SHALL BE ABOVE-GROUND ONLY.
CONTROL VALVES (MOHAVE COUNTY ONLY)
• THE EXTERNAL TUBING NEEDS TO BE STAINLESS STEEL, NOT COPPER. CLA-VAL IS THE ONLY ACCEPTABLE MANUFACTURER.
TAPPING SLEEVE & VALVE
• STAINLESS STEEL CASCADE JCM
• PARADISE VALLEY DISTRICT MAY REQUIRE A BYPASS ON VALVES ON 12" OR LARGER PIPE. CONTACT UTILITY FOR APPROVAL ON A CASE-BY-CASE BASIS.
WATER SERVICE
• FOR TAPS, PIPE AND FITTINGS FOR WATER SERVICES THROUGH 2 INCHES, THE SIZE SHALL BE IN ACCORDANCE WITH THE UTILITY'S STD. DET. 342-2. REQUESTS FOR LARGER SIZES MUST BE SUBMITTED FOR REVIEW AND APPROVAL. MINIMUM WATER SERVICE LINE SIZE DIAMETER SHALL BE 1".
• TUBAC DISTRICT REQUIRES METER SETTERS ON ALL PROJECTS.
• 2" METER SETTERS ARE REQUIRED FOR CRITICAL SERVICE DEVELOPMENTS IN PARADISE VALLEY AND ANTHEM DISTRICTS.

- APPROVED SADDLES, ALL IPT: FORD S90, FORD F202, MUELLER H-1300, JAMES JONES J-965, AND JCM 403 FOR C900 PVC. FORD FS202, JAMES JONES J-969 AND JCM 404 FOR C905 PVC. FORD F202, JCM 404, JAMES JONES J-979, AND MUELLER BR2B FOR ACP. FORD F202, JCM 402, JAMES JONES J-979, AND MUELLER BR2B FOR DIP.
• ALL BRASS FITTINGS MUST BE MANUFACTURED BY FORD, MUELLER, OR JAMES JONES. ALL ANGLE METER STOPS MUST INCLUDE LOCKING WINGS.
FIRE HYDRANTS
• DRY BARREL FIRE HYDRANTS ARE FOR USE IN MOHAVE COUNTY, TUBAC, PARADISE VALLEY, AND ANTHEM WATER DISTRICTS ONLY, SEE UTILITY'S DETAIL 360-1.
• WET BARREL FIRE HYDRANTS ARE FOR USE IN SUN CITY, SUN CITY WEST, AND AGUA FRIA WATER DISTRICTS ONLY, SEE UTILITY'S DETAIL 360-2.
TRACER WIRE
• SEE UTILITY'S DETAIL 350-1. TRACER WIRE MUST BE USED FOR ALL WATER LINES.
DIP SECTIONS
• ALL DIP SECTIONS SHALL BE CONSTRUCTED OF D.I.P. IN ACCORDANCE WITH ABOVE SPECIFIED DISTRIBUTION PIPING FOR D.I.P. AND THE UTILITY'S DETAIL 370-1. JOINT RESTRAINTS SHALL BE MECHANICAL RESTRAINED JOINT WITH PRODUCT APPROVED BY THE UTILITY FOR LENGTHS IN ACCORDANCE WITH M.A.G. STD. DET. 303-2. ALL DUCTILE IRON PIPE SHALL BE POLYETHYLENE WRAPPED FOR THE ENTIRE LENGTH IN ACCORDANCE WITH M.A.G. SECTION 610.5.
MARKING TAPE
• SEE UTILITY'S DETAIL 350-1. MARKING TAPE MUST BE USED FOR ALL WATER LINES AND SERVICES.
MARKING POSTS
• CARSONITE MARKING POSTS ARE REQUIRED FOR ALL WATER VALVES LOCATED OUTSIDE OF ROW AND OUTSIDE OF PAVED AREAS, INSTALLED WITH CONCRETE COLLAR.
ALL OTHER ITEMS
• IN ACCORDANCE WITH M.A.G. SPECIFICATIONS.
• WHERE M.A.G. STANDARDS ARE SPECIFIED, THOSE STANDARDS ARE APPLICABLE REGARDLESS OF PROJECT LOCATION.

APPROVAL

BY: MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT DATE

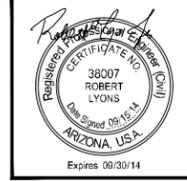
SAGUARO BLVD RECONSTRUCTION PROJECT S6010

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NO.	DESCRIPTION	REV BY	CHK BY	DATE



STATE	PROJ. NO.	SHT	TOTAL
ARIZ.	S6010	85	91

Kimley-Horn 7740 N. 16TH STREET Phone: 602-944-5500
 SUITE 300 Fax: 602-944-7423
 PHOENIX, AZ 85020 www.kimley-horn.com

BACKFILL

- IN NON-SAW CUT AREAS TO BE NATIVE MATERIAL SCREENED AT MINIMUM 4"
- IN SAW CUT AREAS TO BE ONE SACK ABC SLURRY OR AS SPECIFIED BY R.O.W. AGENCY.

TRACER WIRE #12 GAUGE COPPER WIRE. WIRE NUTS NEED TO BE DRY SPLICE WATER-PROOF GEL PACKS.

PIPE_ZONE
 FROM MIN. 6" BELOW BOTTOM OF PIPE TO MIN. 12" ABOVE TOP OF PIPE BACKFILL WITH THE FOLLOWING PER NOTE 4:

A. WATER LINES
 •MARICOPA & SANTA CRUZ COUNTIES = ABC
 •MOHAVE COUNTY = M.A. SAND

B. RECLAIMED WATER LINES
 •MARICOPA & SANTA CRUZ COUNTIES = ABC
 •MOHAVE COUNTY = M.A. SAND

C. SEWER FORCE MAIN
 •MARICOPA & SANTA CRUZ COUNTIES = ABC
 •MOHAVE COUNTY = M.A. SAND

D. GRAVITY SEWER LINES
 •ALL SERVICE AREAS = 3/4" CRUSHED WASHED ROCK (NO REJECTS)

PIPE MARKING TAPE
 MARKING TAPE SHALL BE LOCATED 18 INCHES BELOW GROUND SURFACE.

WORDING PER M.A.G. SEC. 616 TO BE USED FOR ALL WATER, & RECLAIMED WATER LINES AND SERVICES. THE MARKING TAPE SHALL BE PRINTED ON STANDARD COLORED NON-DETECTABLE TAPE. LETTERING SHALL BE BLACK, 1-1/2" HEIGHT MINIMUM.

RECLAIMED WATER LINES SHALL USE PURPLE TAPE & SHALL READ "CAUTION: RECLAIMED WATER LINE"
 POTABLE WATER LINES SHALL USE BLUE TAPE & SHALL READ "CAUTION: POTABLE WATER LINE"
 RAW & NON-POTABLE WATER LINES SHALL USE YELLOW TAPE & SHALL READ "RAW WATER MAINS" AND/OR "NON-POTABLE WATER MAINS".
 SEWER AND SERVICE LINES SHALL USE GREEN TAPE & SHALL READ "CAUTION: SEWER LINE".

NOTES:

- TRENCH WILL BE IN ACCORDANCE WITH M.A.G. SECTION 601.
- ONE SACK ABC SLURRY (CLSM) TO BE IN ACCORDANCE WITH M.A.G. SECTION 72B.
- DEPTH OF BURY TO BE MIN. 48" IN ALL STREETS. DEPTH OF BURY FOR WATER LINES IN OTHER AREAS TO BE AS FOLLOWS:
 A) 36" MIN. FOR MAINS 8" DIAMETER AND SMALLER.
 B) 48" MIN. FOR MAINS 10" DIAMETER AND LARGER.
- WASHED CRUSHED ROCK TO BE IN ACCORDANCE WITH M.A.G. SECTION 716.2 AND TABLE 716-2.
 SAND TO BE IN ACCORDANCE WITH M.A.G. SECTION 601.4.9.
 ABC TO BE IN ACCORDANCE WITH M.A.G. SECTION 702.2 AND TABLE 702-1.
- TRACER WIRE IS TO BE BROUGHT UP TO GRADE AT EACH FIRE HYDRANT TO GROUND / VALVE BOX. FOR LONG RUNS, THE TRACER WIRE IS TO BE BROUGHT UP AT LEAST EVERY 300 FEET INSIDE A TRACER BOX SUCH AS A SNAKEPIT MAGNETIZED TRACER BOX BY COPPERHEAD INDUSTRIES OR APPROVED EQUAL.

WATER AND SEWER SERVICES
 (all Utility service areas)
 MINIMUM 6" SAND BEDDING AND 6" SAND SHADING. BACKFILL AS PER DETAIL.

DATE: SEP '13 **EPCOR WATER** 2355 W Pinnacle Peak Rd, Ste 300 Phoenix, AZ 85027 P 623.445.2400 F 623.587.1044 **PIPE TRENCH DETAIL** DETAIL NO. 350-1

NOTES:

- ALL JOINT RESTRAINTS ARE TO BE MEG-A-LUG, SIGMA, EEBA OR STAR, NO FIELD LOCS OR UNIFLANGE, FOR LENGTHS IN ACCORDANCE w/ M.A.G. STD. DET. 303-2
- PIPE IS TO BE DUCTILE IRON, MINIMUM PRESSURE CLASS 150.
- ALL DUCTILE IRON PIPE SHALL BE POLYETHYLENE WRAPPED FOR THE ENTIRE LENGTH IN ACCORDANCE WITH M.A.G. SECT. 610.6
- BEGIN/END RESTRAINED JOINT STATIONING TO BE SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. ALL BENDS & FITTINGS SHALL HAVE STATIONING AND ELEVATION SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. THE BOTTOM ELEVATION OF THE CONFLICT AND THE TOP ELEVATION OF THE DUCTILE IRON PIPE AT THE CENTERLINE OF THE CONFLICT SHALL BE SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS.
- INSTALL ANCHOR BLOCKS/THRUST BLOCKS VERTICAL BENDS PER MAG STD. DET. 381.

DATE: SEP '13 **EPCOR WATER** 2355 W Pinnacle Peak Rd, Ste 300 Phoenix, AZ 85027 P 623.445.2400 F 623.587.1044 **VERTICAL RE-ALIGNMENT OF WATER MAINS** DETAIL NO. 370-1

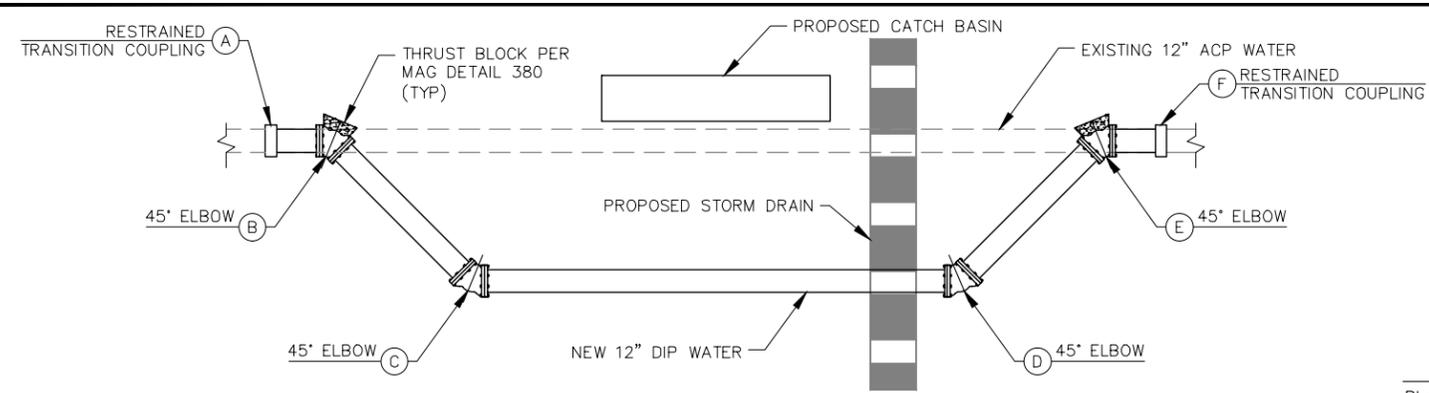


WATERLINE RELOCATION			
TOWN OF FOUNTAIN HILLS, ARIZONA			
SAGUARO BLVD RECONSTRUCTION TREVINO DR TO FOUNTAIN HILLS BLVD S6010			
DR: MRN	DES: CCW	CK: REL	DWG SERIES No.
DATE: 9/14	DATE: 9/14	DATE: 9/14	
SCALE: 1" = 40'			WR02

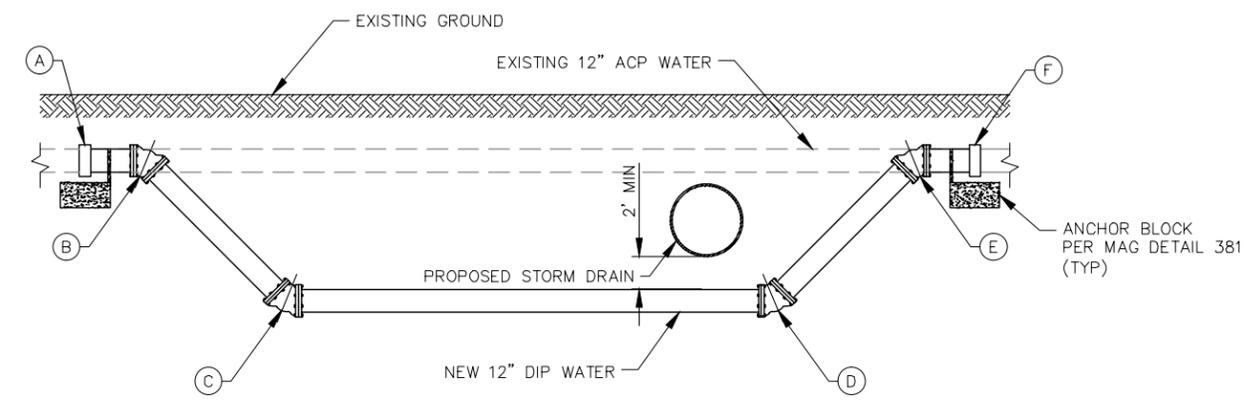
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NO.	DESCRIPTION	REV BY	CHK BY	DATE

PLAN

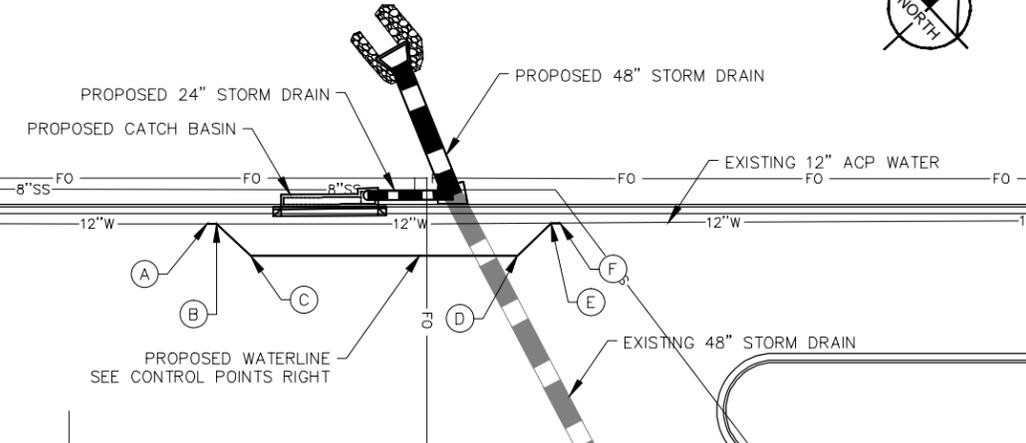


PROFILE



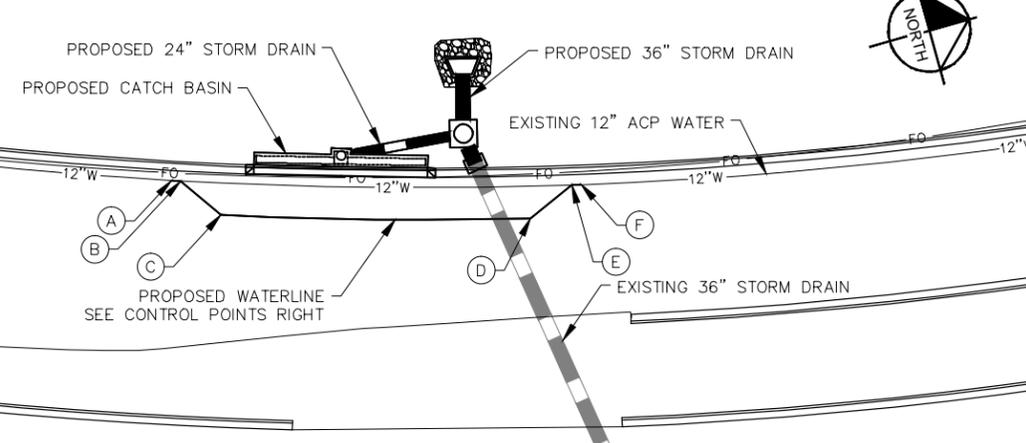
DETAIL A
PLAN AND PROFILE VIEW WATERLINE RELOCATION

CATCH BASIN AT STA 29+48.39

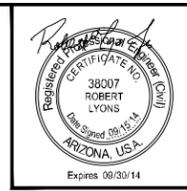


POINT	STATION	OFFSET	INV ELEV	NOTES
A	29+13.30	40.25' LT	1517.95±	TIE TO EXISTING
B	29+15.30	40.26' LT	1517.95	HOR/VERT BEND
C	29+22.69	33.26' LT	1516.00	HOR/VERT BEND
D	29+81.16	33.35' LT	1516.00	HOR/VERT BEND
E	29+88.49	40.39' LT	1517.95	HOR/VERT BEND
F	29+90.49	40.40' LT	1517.95±	TIE TO EXISTING

CATCH BASIN AT STA 37+18.61



POINT	STATION	OFFSET	INV ELEV	NOTES
A	36+80.07	40.32' LT	1510.59±	TIE TO EXISTING
B	36+82.16	40.31' LT	1510.59	HOR/VERT BEND
C	36+91.72	33.30' LT	1504.50	HOR/VERT BEND
D	37+61.78	33.25' LT	1504.50	HOR/VERT BEND
E	37+71.41	40.24' LT	1510.59	HOR/VERT BEND
F	37+73.48	40.24' LT	1510.59±	TIE TO EXISTING



STATE	PROJ. NO.	SHT	TOTAL
ARIZ.	S6010	86	91

Kimley-Horn
7740 N. 16TH STREET
SUITE 300
PHOENIX, AZ 85020
Phone: 602-944-5500
Fax: 602-944-7423
www.kimley-horn.com

- NOTES:**
1. ALL PIPE SHALL BE RESTRAINED JOINT DIP.
 2. ALL PIPE SHALL BE WRAPPED IN A POLY WRAP SLEEVE.
 3. REMOVE EXISTING PIPE BETWEEN TIE IN POINTS.
 4. ROTATE ELBOWS TO ACHIEVE HORIZONTAL AND VERTICAL ALIGNMENTS INDICATED.
 5. CONTRACTOR SHALL CONFIRM TIE-IN LOCATIONS AND NOTIFY ENGINEER OF ANY DEVIATIONS THAT EXCEED 0.5' HORIZONTALLY AND 0.25' VERTICALLY PRIOR TO STARTING CONSTRUCTION.

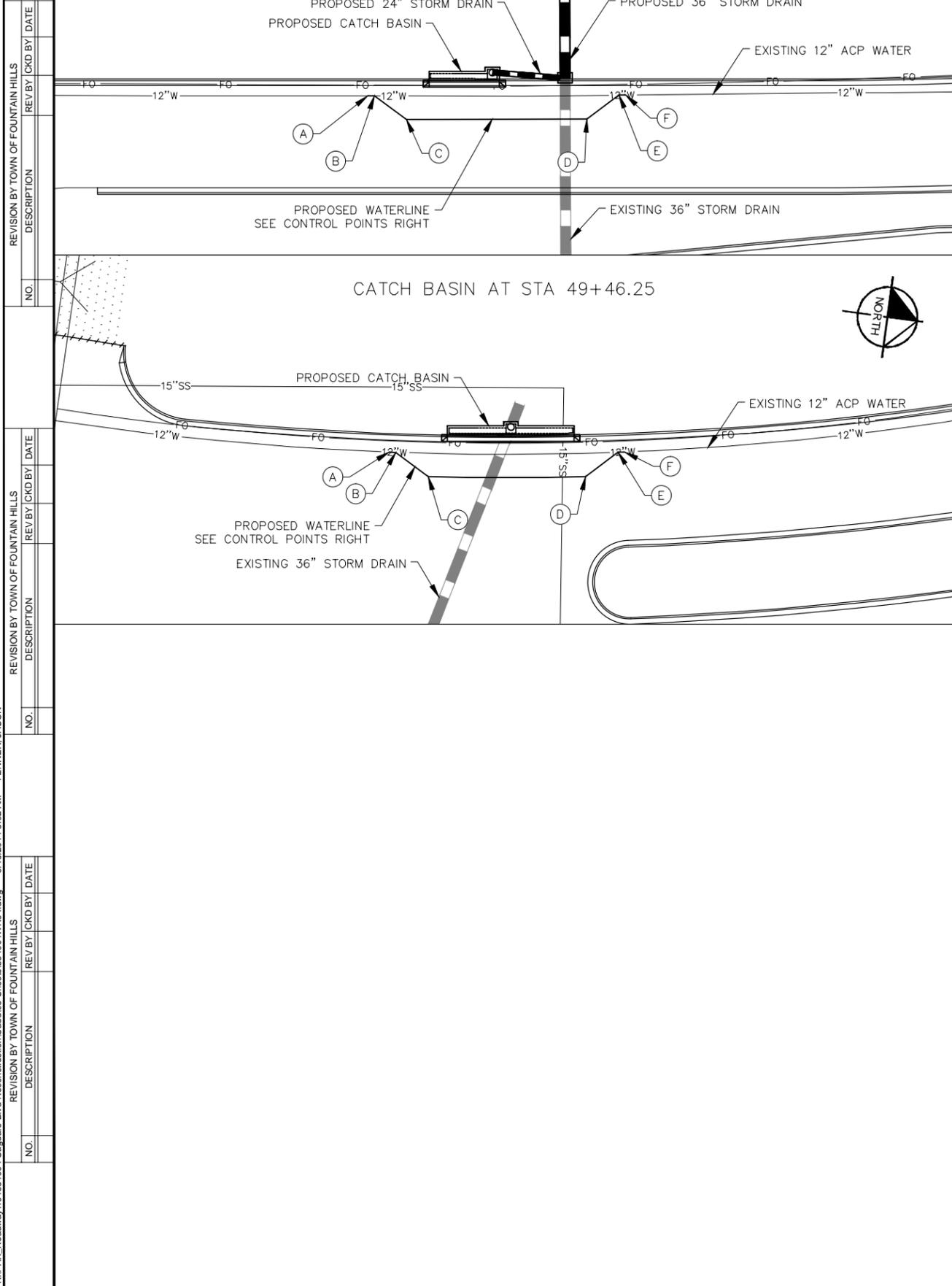


WATERLINE RELOCATION
TOWN OF FOUNTAIN HILLS, ARIZONA
SAGUARO BLVD RECONSTRUCTION
TREVINO DR TO FOUNTAIN HILLS BLVD
S6010

DR: MRN	DES: CCW	CK: REL	DWG SERIES No.
DATE: 9/14	DATE: 9/14	DATE: 9/14	WR03

SCALE: 1"=20'

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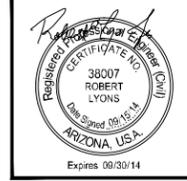


12" DIP WATER LINE CONTROL POINTS (LOCATION 3)

POINT	STATION	OFFSET	INV ELEV	NOTES
A	45+50.99	39.37' LT	1514.34±	TIE TO EXISTING
B	45+52.99	39.37' LT	1514.34	HOR/VERT BEND
C	45+62.69	32.35' LT	1507.50	HOR/VERT BEND
D	46+16.78	32.49' LT	1507.50	HOR/VERT BEND
E	46+26.45	39.63' LT	1514.34	HOR/VERT BEND
F	46+28.45	39.65' LT	1514.34±	TIE TO EXISTING

12" DIP WATER LINE CONTROL POINTS (LOCATION 4)

POINT	STATION	OFFSET	INV ELEV	NOTES
A	49+08.21	38.92' LT	1511.78±	TIE TO EXISTING
B	49+10.29	38.91' LT	1511.78	HOR/VERT BEND
C	49+20.70	31.91' LT	1504.50	HOR/VERT BEND
D	49+69.37	31.96' LT	1504.50	HOR/VERT BEND
E	49+79.78	38.99' LT	1511.78	HOR/VERT BEND
F	49+81.86	38.99' LT	1511.78±	TIE TO EXISTING



STATE	PROJ. NO.	SHT	TOTAL
ARIZ.	S6010	87	91

Kimley-Horn 7740 N. 16TH STREET Phone: 602-944-5500
 SUITE 300 Fax: 602-944-7423
 PHOENIX, AZ 85020 www.kimley-horn.com

- NOTES:
1. ALL PIPE SHALL BE RESTRAINED JOINT DIP.
 2. ALL PIPE SHALL BE WRAPPED IN A POLY WRAP SLEEVE.
 3. REMOVE EXISTING PIPE BETWEEN TIE IN POINTS.
 4. ROTATE ELBOWS TO ACHIEVE HORIZONTAL AND VERTICAL ALIGNMENTS INDICATED.
 5. CONTRACTOR SHALL CONFIRM TIE-IN LOCATIONS AND NOTIFY ENGINEER OF ANY DEVIATIONS THAT EXCEED 0.5' HORIZONTALLY AND 0.25' VERTICALLY PRIOR TO STARTING CONSTRUCTION.
 6. SEE DETAIL A ON SHEET 86 FOR PLAN AND PROFILE.



WATERLINE RELOCATION

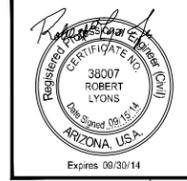
TOWN OF FOUNTAIN HILLS, ARIZONA

SAGUARO BLVD RECONSTRUCTION
 TREVINO DR TO FOUNTAIN HILLS BLVD
 S6010

DR: MRN	DES: CCW	CK: REL	DWG SERIES No.
DATE: 9/14	DATE: 9/14	DATE: 9/14	

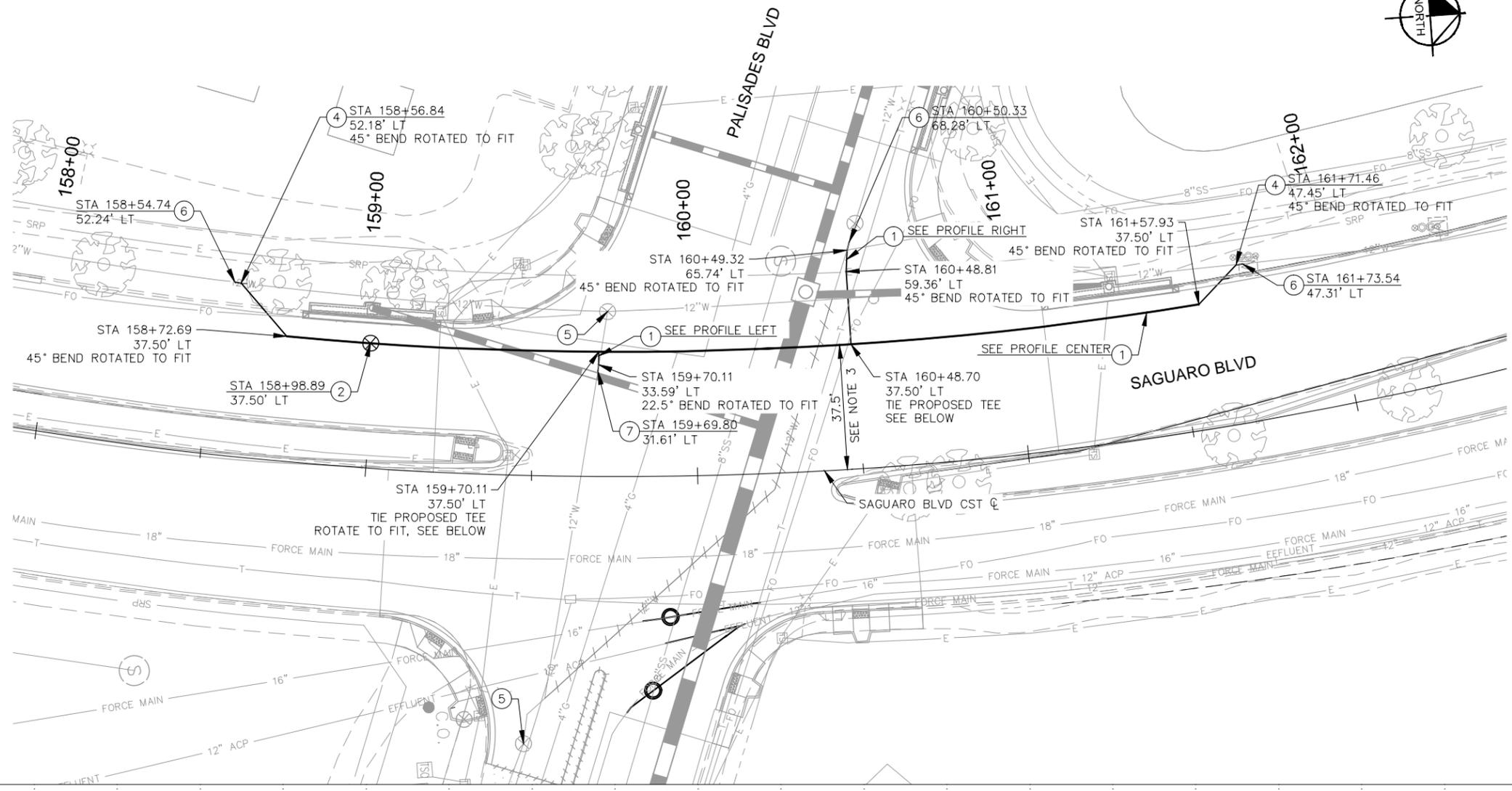
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 REVISION BY TOWN OF FOUNTAIN HILLS
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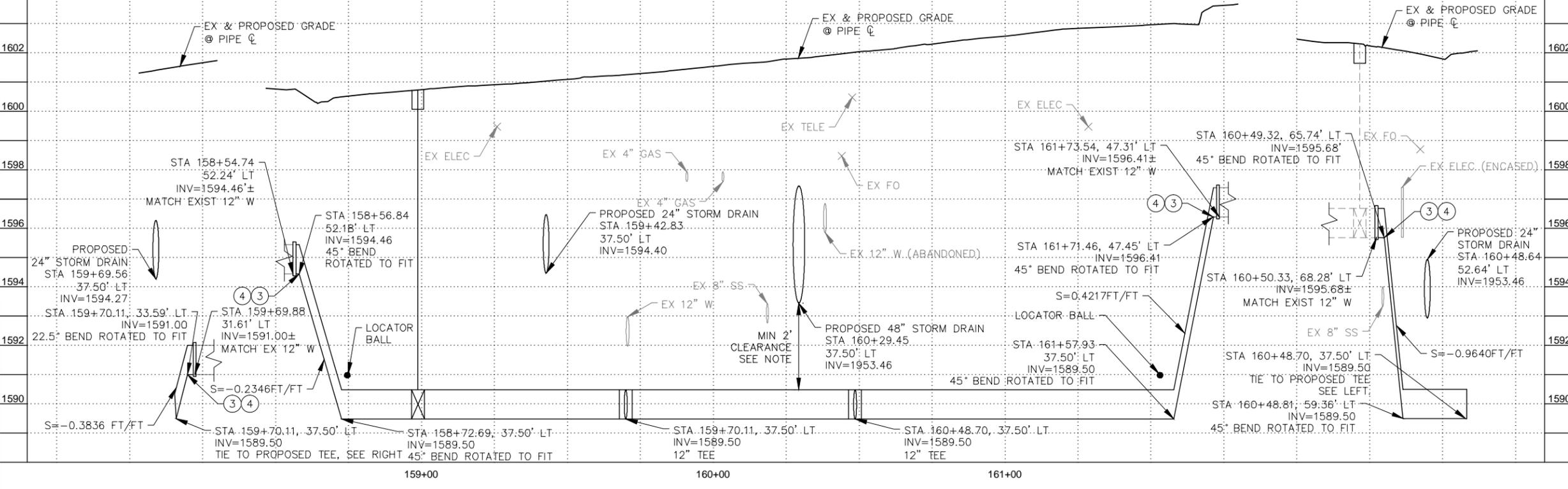
STATE	PROJ. NO.	SHT	TOTAL
ARIZ.	S6010	88	91

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 PHOENIX, AZ 85020
 Phone: 602-944-5500
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- ① INSTALL 12" RESTRAINED DIP WATERLINE
- ② INSTALL 12" GATE VALVE, BOX, AND COVER PER MAG DETAIL 391 TYPE C
- ③ INSTALL ANCHOR BLOCK PER MAG DET 381
- ④ INSTALL THRUST BLOCK PER MAG DET 380
- ⑤ REMOVE VALVE BOX AND COVER AND BACKFILL WITH SELECT MATERIAL
- ⑥ TIE TO EXISTING 12" ACP WITH RESTRAINED ADAPTER COUPLING
- ⑦ TIE TO EXISTING 12" DIP WITH RESTRAINED ADAPTER COUPLING

- NOTES:
1. CLEARANCE AND EXTRA PROTECTION OF PROPOSED WATERLINE AND EXISTING SEWER LINE SHALL MEET MAG SPECIFICATION 610.5.5. EXTRA PROTECTION PER MAG DETAIL 404-1 AND 404-2 SHALL BE PROVIDED BY NOT PLACING ANY JOINTS WITHIN 6 FEET HORIZONTAL OF THE WATER/SEWER CROSSING AND BY USING MECHANICAL OR RESTRAINED JOINT DIP FOR THE WATERLINE.
 2. RESTRAIN ALL JOINTS.
 3. DEFLECT PIPE JOINTS TO ACHIEVE CONSISTENT OFFSET AS SHOWN.
 4. SLURRY BACKFILL ALL PIPES.



WATERLINE RELOCATION			
TOWN OF FOUNTAIN HILLS, ARIZONA			
SAGUARO BLVD RECONSTRUCTION TREVINO DR TO FOUNTAIN HILLS BLVD S6010			
DR: MRN	DES: CCW	CK: REL	DWG SERIES No.
DATE: 9/14	DATE: 9/14	DATE: 9/14	WR05
SCALE: 1"=20'			

**TOWN OF FOUNTAIN HILLS, ARIZONA
DEVELOPMENT SERVICES DEPARTMENT**

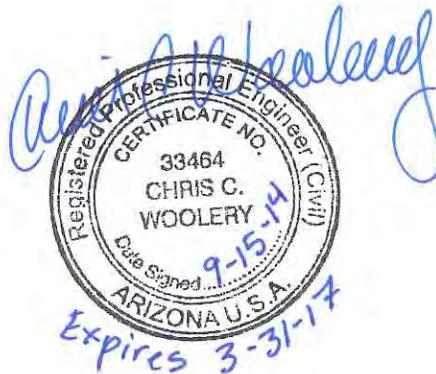


**SAGUARO BOULEVARD RECONSTRUCTION
(TREVINO DRIVE TO FOUNTAIN HILLS BOULEVARD)
TOWN OF FOUNTAIN HILLS PROJECT NO. S6010**

AND

**SAGUARO BOULEVARD AND PALISADES BOULEVARD
TRAFFIC SIGNAL IMPROVEMENTS
TOWN OF FOUNTAIN HILLS PROJECT NO. T5011**

TECHNICAL SPECIFICATIONS



SEPTEMBER 15, 2014

TECHNICAL SPECIFICATIONS TABLE OF CONTENTS

PROFESSIONAL ENGINEER SEALS: 1

SECTION 100 3

SECTION 300 16

SECTION 400 22

SECTION 500 85

SECTION 600 94

SECTION 700 99

APPENDICIES:

- APPENDIX A
- APPENDIX B

SECTION 600

MAG SECTION 610 WATER LINE CONSTRUCTION

610.1 DESCRIPTION: *is modified to add:*

This work includes relocation of EPCOR waterlines at the locations indicated on the plans. Existing asbestos cement pipe (ACP) is in conflict with proposed drainage improvements at locations noted on the plans. Relocation will include replacement of the ACP with new restrained joint ductile iron pipe (DIP) using the horizontal and vertical alignments indicated on the plans.

610.3 MATERIALS: *is modified to add:*

DIP: In accordance AWWA Standards C150, C151 and C153. Mortar lining shall be in accordance with M.A.G. Section 750 and AWWA C104. All Ductile Iron Pipe shall be polyethylene wrapped for the entire length in accordance with M.A.G. Section 610.5.

Fittings: Restrained and mechanical joint in accordance with AWWA C111 and M.A.G. Section 750.4. Joint restraints, where required, shall be Mechanical Restrained Joint with product approved by the Utility or flanged joint for lengths in accordance with M.A.G. Detail 303-2. Field lock gaskets are not allowed.

Valves: Mueller, Clow, Kennedy, or M&H resilient wedge seated Gate Valve in accordance with M.A.G. Section 630.3 with valve box and cover in accordance with M.A.G. Detail 391-1 Type "C" minimum lid weight of 16lbs.

Joint restraints shall be mechanical restrained joint with product approved by EPCOR. All DIP shall be polyethylene wrapped for the entire length in accordance with M.A.G. Section 610.5.

Locator balls shall be placed at the locations indicated on the plans and shall be 3M EMS Ball Marker 1403-XR, or approved equal. Installation shall be per manufacturer recommendations.

610.4 CONSTRUCTION METHODS: *is modified to add:*

Shut downs will be needed for waterline tie-ins. Shut downs shall be closely coordinated with EPCOR. Only EPCOR forces shall open and close valves. Contractor shall notify EPCOR at least one week in advance of needed shut downs for each location requiring a shut down.

Work will include several waterline tie-ins to existing ACP pipe using 45 degree bends near tie-in points. The plans show anchor and thrust blocks at these locations in order to restrain the existing ACP line. Depending on allowable waterline shut down times, the contractor may opt to replace the existing ACP pipe for the restrained joint length, as indicated in MAG Detail 303, at each tie in location in lieu of installing thrust blocks. The additional quantity of pipe needed for this shall not be included in the measurement and payment.

All pipe shall be slurry backfilled from bottom of pipe to 1 foot below finished subgrade.

610.19 MEASUREMENT AND PAYMENT: *is modified to add:*

Measurement and payment for the short waterline relocations around proposed catch basins at locations noted on plans: Measurement and payment for these relocations shall be at the unit price for each relocation location and shall be compensation in full for labor, materials, equipment, adaptor couplings, fittings, thrust blocks, anchor blocks, pipe, polyethylene wrap, removal of existing pipe, trenching, shoring, bracing, bedding, backfilling, slurry backfilling, compaction, testing, disinfection, and other work as required to relocate the existing pipe as shown on the plans and as required by the specifications.

No additional measurement or payment will be made for additional pipe for the replacement of ACP pipe for the restrained joint length in lieu of a thrust and anchor blocks.

No measurement or payment will be made for fittings, locator balls, adaptor couplings, fittings, thrust blocks, anchor blocks, pipe, polyethylene wrap, removal of existing pipe, trenching, shoring, bracing, bedding, backfilling, slurry backfilling, compaction, testing, disinfection, temporary valves needed for testing, and other work as required to relocate the existing pipe as shown on the plans and as required by the specifications.

Measurement and payment for waterline relocation items at Palisades Boulevard: Measurement and payment for related items shall be per MAG Section 610.19.

MAG SECTION 616 RECLAIMED WATER LINE CONSTRUCTION

616.1 GENERAL: *is modified to add:*

Work under this section includes relocation of Fountain Hills Sanitary District (FHSD) reclaimed water and force main.

616.2 MATERIAL: *is modified to add:*

All pipe shall be glass lined DIP in accordance with AWWA C150 and C151.

All pipe shall be restrained push on joint piping system, which includes restrained push-on joints.

Restrained push on joints of the configuration which utilizes a gripping or friction force for restraint are acceptable.

All pipe shall be minimum pressure class 350 as manufactured by one of the following or equal:

- 1) United States Pipe and Foundry Company, TR Flex.
- 2) Pacific States Cast Iron Pipe Company, Thrust Lock.
- 3) American Cast Iron Pipe Company, Flex Ring or Lok-Ring.

Limit buried joints to half the manufacturer's published allowable angular joint deflection for purposes of pipeline alignment and elimination of fittings.

Restrained push-on joints shall be in accordance with AWWA C111.

EXHIBIT B
TO
REIMBURSEMENT AGREEMENT
BETWEEN
CHAPARRAL CITY WATER COMPANY
AND
THE TOWN OF FOUNTAIN HILLS

[Design Fee Proposal and Approval to Construct]

See following pages.



September 11, 2014

Mr. Paul Mood
Town of Fountain Hills
16705 E. Avenue of the Fountains
Fountain Hills, Arizona 85268

**RE: Project Name: *Saguaro Boulevard (Blvd.), Trevino Drive (Dr.) to Fountain Hills Blvd.*
Project No.: *S6010 & T5011*
*Contract Modification No. 2 – EPCOR Design Relocation***

Dear Paul,

Based on our meeting with the Town of Fountain Hills (Town) and EPCOR on August 7, 2014, the project team agreed to proceed with the relocation design of the EPCOR facilities along Saguaro Boulevard due to the storm drain improvements associated with the Saguaro Boulevard Reconstruction Project.

Kimley-Horn will perform the services in Tasks 1 – 5 for the total lump sum fee below. Individual task amounts are informational only. The below fee is based on that all permitting, application, and similar project fees will be paid directly by EPCOR.

Task 1	Detail sheet(s) for Location 1, 2, 3, and 10	\$3,500.00
Task 2	Plan/Profile sheet for Location 7, 7A, 8, and 9	\$3,500.00
Task 3	Coordination and specifications and estimate	\$2,500.00
Task 4	MCESD ATC/Coordination *not including MCESD fee	\$1,500.00*
Task 5	MCESD AOC/Construction Observation	\$2,000.00
Total Lump Sum Fee		\$13,000.00

If you have any questions or require additional information, please contact us at (602) 678-3440 or robert.lyons@kimley-horn.com. Thank you.

Sincerely,

Robert Lyons, P.E.



Mailing and Delivery Address:

Maricopa County Environmental Services Department
Subdivision Infrastructure and Planning Program
1001 N. Central Avenue, Suite 201
Phoenix, AZ 85004-1940

COVER / TRANSMITTAL PAGE

This packet is for submitting Approval TO Construct applications for these projects:

- Water Line Extension
- Water Booster Station
- Reuse Lines
- Sewer Line Extension
- Sewer Lift Station
- Master Plans
- Storage Tank
- Well
- Geological Reports
- Pressure Tank
- Chlorination
- Waiver Request

Use this Cover/Transmittal Page for all projects EXCEPT Geological Reports.

➤ For Geological Reports, use the Geological Report Cover Page (next page).

Detailed instructions for completing this packet are included. Our experience shows that most questions are already answered by the attached instructions or the form itself. Each transmittal page has a check list of ALL the required information for a complete submittal. **Incomplete** submittals will be **returned** to you. Also included is a fee list so that you can calculate the fees.

Project Name: Saguaro Blvd Reconstruction - Trevino Dr to Fountain Hills Blvd

(PLEASE PRINT CLEARLY)

Contact Person: Robert Lyons Title Project Engineer
 E-mail address of contact person robert.lyons@kimley-horn.com
 Company Name: Kimley-Horn
 Phone number: (602) 678-344 Ext: N/A Fax Number: N/A
 Address: 7740 N. 16th Street
 City: Phoenix State: AZ Zip Code: 85020

Application Check List for Approval to Construct

- Cover/Transmittal Page for MCESD Projects** – this page (or next for Geological)
- ATC Fee's** – list attached
- Approval to Construct application pages 1 of 3, 2 of 3 and 3 of 3** (attached)
- Full size set of plans with every page sealed and signed by engineer. (1 set only)
- Water Design Report-water projects only (must be sealed & signed by a registered engineer)
- Sewer Design Report-sewer projects only (must be sealed & signed by a registered engineer)
- Sewer Capacity Letter (must be issued by the sewer utility provider, **NOT the engineer**)

❖ **If you are submitting for a sewer line project, it will not be accepted without a sewer capacity letter if the design average daily flow is over 3,000 gallons. Date and signature cannot be more than one year old.**

- Sewer Capacity Letter - a statement, signed by the owner or operator of the sewage treatment facility and/or down stream collection system, **affirming compliance in accordance with R18-9-E301.C.**
- Operation and Maintenance Plan – there must be verification of an O&M Plan. Submittal of the O&M Plan will be upon request.

Any questions contact Cindy Furze at 602-506-1058 or CFurze@mail.maricopa.gov

*** The Department reserves the right to request any other information ***

Visit our web page at www.maricopa.gov/EnvSvc/WaterWaste/Subdivisions/Subdivisions.aspx



Mailing and Delivery Address:

Maricopa County Environmental Services Department
Subdivision Infrastructure and Planning Program
1001 N. Central Avenue, Suite 201
Phoenix, AZ 85004-1940

COVER PAGE / TRANSMITTAL PAGE FOR GEOLOGICAL REPORT

➤ **USE THIS PAGE ONLY IF APPLYING FOR A CERTIFICATE OF GEOLOGICAL REPORT FOR ON-SITE SEWAGE DISPOSAL FOR SEPTIC SUBDIVISIONS**

Detailed instructions for completing this packet are included. Our experience shows that most questions are already answered by the attached instructions or the form itself. Each transmittal page has a check list of ALL the required information for a complete submittal. **Incomplete** submittals will be **returned** to you. Also included is a fee list so that you can calculate the fees.

Project Name: _____

Contact Person: _____ **Title** _____

E-mail address of contact person _____

Company Name: _____

Phone number: _____ Ext: _____ Fax Number: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Application Check List for On-Site Sewage Disposal/Septic Subdivision submittal	
<input type="checkbox"/>	Approval To Construct Application Check the box Soils on application
<input type="checkbox"/>	Cover Page This cover page must be submitted with the Approval To Construct application.
<input type="checkbox"/>	Soils Test Plan The plan must include the following <ul style="list-style-type: none"> • location on the plat where the soils testing will be performed (percolation tests and soil borings) • the method of testing • person/firm performing tests • depth to seasonal high groundwater level • site specific geology and topography • list of information that will be included in the final soils testing report (field notes, soils boring logs, etc.)
<input type="checkbox"/>	Percolation test methodology Must be specified and comply with the Arizona Administration Code R18-9-A310.E or F, depending on the proposed method of effluent disposal. (No mere reference to AAC Code)
<input type="checkbox"/>	All Soil Borings must be a minimum of 50 feet in depth Unless disposal pits deeper then 50 feet are proposed.
<input type="checkbox"/>	Statement on the plans: <i>This will allow coordination for a site visit during the field activities. "At least five (5) working days notice will be provided to the reviewing Senior Civil Engineer for MCESD".</i>

Any questions contact Cindy Furze at 602-506-1058 or CFurze@mail.maricopa.gov

*** The Department reserves the right to request any other information ***

Visit our web page at www.maricopa.gov/EnvSvc/WaterWaste/Subdivisions/Subdivisions.aspx



Maricopa County

Environmental Services Department
Water and Waste Management Division

1001 N Central Ave, Suite 201
Phoenix, Arizona 85004
Phone: (602) 506-1058
Fax: (602) 506-5813
www.maricopa.gov/envsvc

PERMIT APPLICATION PROCESS NOTICE

Subdivision Infrastructure and Planning Program

- 1) Steps required to obtain an Approval to Construct/Approval of Construction for Water Systems, Sewer Systems and Reuse Water Lines are as follows:
 - i) Submission of the complete application for Approval To Construct along with all relative items in the application check list on the Cover/Transmittal Page of the application. When the review is complete, an Approval To Construct certificate will be issued to allow construction of the system to commence.
 - ii) Construction of the project.
 - iii) Submission of the complete application for Approval of Construction along with all relative items in the application checklist on the Cover Page of the application. When the review and approval of the submitted documentation is complete, an Approval Of Construction certificate is issued. The system can then be put into service.

- 2) The Department will approve or deny the application in the number of business days listed below or less, excluding any days the application is returned to the applicant for additional information. This overall licensing timeframe is set by the Arizona Department of Environmental Quality (ADEQ) as required by A.R.S. §11-1605 and is part of the Delegation agreement between ADEQ and Maricopa county.

Permit	Overall Timeframe (Business Days)
Wastewater System	
300 Services or less (Gravity/Force Main)	95
More than 300 Services (Gravity)	136
Sewer Lift Station	95
Wastewater Master Plan or Amendment	83
Wastewater Line Waiver	53
Drinking Water System	
Standard - Public Water Supply Distribution Line	53
Complex	83
Chlorination Plan	53
Booster Pump Station	53
Storage Tank / Pressure Tank	53
Drinking Water Master Plan or Amendment	53
Drinking Water Line Waiver	53
Reclaimed Water System	
Standard	95
Complex	NA

- 3) Department contact information regarding your application
 - i) Telephone: 602-506-1058
 - ii) E-mail: subdivision@mail.maricopa.gov
 - iii) Website: www.maricopa.gov/EnvSvc/WaterWaste

You may request a clarification from the Department of its interpretation or application of a statute, ordinance, regulation, delegation agreement or authorized substantive policy statement as provided in A.R.S. §11-1609. Contact us by e-mail or telephone, or in person or mail at the address listed at the top of the page, marked attention Subdivision Infrastructure & Planning Program.



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Water and Waste Management Division

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www.maricopa.gov/envsvc

PERMIT APPLICATION PROCESS NOTICE Subdivision Infrastructure and Planning Program

- 1) Steps required to obtain an Approval of Soils / Hydrology Report are as follows:
 - i. Submission of the complete application for Approval of Soils / Hydrology Report along with all relative items in the application check list on the Cover/Transmittal Page of the application. When the review is complete, an Approval of Soils / Hydrology Report certificate will be issued to allow construction of the system to commence.
 - ii. Construction of the project.

- 2) The Department will approve or deny the application in the number of business days listed below or less, excluding any days the application is returned to the applicant for additional information. This overall licensing timeframe is set by the Arizona Department of Environmental Quality (ADEQ) as required by A.R.S. §11-1605 and is part of the Delegation agreement between ADEQ and Maricopa county.

Permit	Overall Timeframe (Business Days)
<i>Soils / Hydrology Report</i>	
Standard	67

- 3) Department contact information regarding your application
 - i. Telephone: 602-506-1058
 - ii. E-mail: subdivision@mail.maricopa.gov
 - iii. Website: www.maricopa.gov/EnvSvc/WaterWaste

You may request a clarification from the Department of its interpretation or application of a statute, ordinance, regulation, delegation agreement or authorized substantive policy statement as provided in A.R.S. §11-1609. Contact us by e-mail or telephone, or in person or mail at the address listed at the top of the page, marked attention Subdivision Infrastructure & Planning Program.



Fees for
Approval To Construct (ATC) and
Soils Reports

Make Checks Payable to MCESD

A \$35.00 fee for all returned checks

➤ Double The Fee For Expedited Review

ATC FEES

Public water supply system		Sewer collection system			
\$600.	150 or less connections	Gravity Sewer only, including manholes			
\$1200.	151 to 300 connections	\$500.	Serving 50 connections or less		
\$1800.	301 to 450 connections	\$1000.	Serving 51 to 300 connections		
\$2400.	451 to 600 connections	\$1500.	Serving 301 or more connections		
\$3000.	601 to 750 connections	Force Mains + Gravity Sewer			
\$3600.	751 to 900 connections	\$800.	Serving 50 connections or less		
(Every 150 connections add \$600.)		\$1300.	Serving 51 to 300 connections		
		\$1800.	Serving 301 or more connections		
Other Components					
\$675.	Storage Tank (each)	\$600.	Sewer Lift Station	\$500.	Master Plans - <i>Per Component</i> <i>(Water/Sewer)</i>
\$675.	Well (each)	\$250.	Reuse lines		
\$675.	Pressure Tank (each)	\$150.	Chlorination	\$150.	Waiver (each)
\$675.	Booster Station	➤ Any Fee Questions Contact MCESD			

** "An approval of plans and specifications can be renewed for one year if an application for renewal is submitted within 180 days of expiration. A fee equal to one-half (1/2) of the flat fee or initial plan review fee is paid. The approval will be effective for one year from the date of expiration". MCESD Ch. 1, Reg. 4f. (Check with MCESD if questions.)

Geological (Soils) Report Fees

\$525.	50 lots or less
\$1050.	51 to 100 lots
\$1575.	101 to 150 lots
\$2100.	151 to 200 lots
(Every 50 lots add \$525.)	

Fees Regular Fees Expedited Fees

Break down fees (fees for multiple components on the same project can be put on one (1) check)

Type of component (.i.e.: water line, sewer line, etc)	Regular Fee per component	Expedited Fee per component	Total Fee per component	
Water line	\$600		\$600	
			TOTAL FEE	

*** The Department reserves the right to request any other information ***



Approval To Construct Application Instructions

APPLICANT – You only need to complete those portions of the form that apply to your project. If submitting a water line, you do not need to provide information on the sewer system and vice versa.

- For Soils, Master Plans and Waiver Requests only – on page 1 of 3 fill out #1 only and page 3 of 3 - #4, 5, 6.

Page 1 of 3

1. **Project Name** – must be the same as on the engineered plans. This name will appear on the ATC certificate.

Project Address – physical location of project.

City, AZ and Zip Code – of actual location of project.

Section, Township, Range – information can be located in the Phoenix Metropolitan Street Atlas or on the plans.

Project Description – what type of review you are requesting from our department.

- You will receive an individual certificate for each component.
(Example: water line extension, lift station, well site and/or any other component)

2. **System information required:**

Water / Well information – Provide rest of numbers for PWS for the Public Water System and/or the DWR for the well as the case may be.

Sewage Information – Sewage Collection System Owner – name of sewage collection system owner, providing sewer service to the project.

Sewage Treatment Facility Owner – name of owner of treatment facility, may be different from the collection system owner.

3. **Quantity:**

Number of water and sewer connections – number of service connections on the project that we are to review.

Water and Sewer Linear Feet and Size – these totals are included on the certificate our Department issues.

Reuse Linear Feet and Size – these totals are included on the certificate our Department issues.

Page 2 of 3 – ONLY NECESSARY IF SUBMITTAL IS FOR WATERLINE OR WATER COMPONENT

Public Water Supply number (PWS) Signature Form – if this form is not signed, your project will be denied. This agreement MUST be signed by the Public Water System Representative NOT the Engineer or Project owner.

PWS # - public water system number from the water supply provider.

Project Name – the name of the project

Project Address – physical location of project.

City, Zip Code – location of project

Public Water Supply Provider – name of public water supply system that will be providing water service to the project.

Page 3 of 3

4. **Name of Registered Engineer** – registered engineer who is the contact person for project. *(Please Print Clearly)*

Phone Number, Ext and Fax – phone number, extension, and fax number of registered engineer working on the project.

E-mail Address – e-mail address for the registered engineer working on the project.

Name of Engineering Firm as Registered with the AZ Board of Technical Registration - a registered engineering firm that employs the project engineer.

Mailing Address, City, State and Zip Code - mailing address of registered engineering firm.

5. **Project Owner/Responsible Party** - MUST be a person with fiduciary responsibilities associated with the Project or Company.

Job Title - examples: Project Owner, President or Vice President of Corporation/Home Owners Association, Manager.

E-mail address – e-mail address for the project owner/responsible party.

Company Name - the name of Company who owns the Project.

Mailing Address, City, State, Zip Code - location of Project Owner, will be put on certificate.

Phone Number, Ext and Fax - project owner phone, extension and fax number.

6. **Authorization**—Only the named Project Owner/Responsible Party can sign for the Project Owner/Responsible Party unless there is a letter of authorization.



Maricopa County Environmental Services Department



Environmental Services
Department

Application Addendum:

Supplemental Requests for Additional Information

Arizona law, A.R.S. 11-1605, limits Maricopa County Environmental Services Department (MCESD) to one request for additional information (set of review comments) when reviewing your application, unless the applicant agrees to allow additional requests.

A County Ordinance requires MCESD and the applicant to agree to extend the time frame by 25% if an agreement is made to allow MCESD to submit supplemental requests for additional information.

Please select one of the following statements to indicate your choice. This agreement will remain in place for the duration of the licensing process unless a revised agreement is approved by both parties.

Please Select One:

- I agree that MCESD may submit supplemental requests for additional information and I agree to an extension of 25% of the supplemental review and overall licensing timeframe.
- I acknowledge that MCESD is limited to one set of review comments. MCESD will approve or deny my application based on my application materials and my response to not more than one set of review comments.

Project Name/Location: _____

Applicant Name: _____ Title: _____

Signature _____ Date _____

Department Approval:

Name _____ Title _____

Signature _____ Date _____

Project Number: _____



**Application for Approval to Construct (ATC) and/or
 Provisional Verification of General Permit Conformance **
 for
 Water/Wastewater Facilities**

Page 1 of 3

On-Site Off-Site ➤ **Use separate applications for On-Site and Off-Site if submitting both.**

<input checked="" type="checkbox"/> Waterline	<input type="checkbox"/> Gravity Sewer	<input type="checkbox"/> Storage Tank	<input type="checkbox"/> Pressure Tank	<input type="checkbox"/> Reuse
<input type="checkbox"/> Well	<input type="checkbox"/> Force Main	<input type="checkbox"/> Booster Station	<input type="checkbox"/> Chlorination	<input type="checkbox"/> Lift Station
<input type="checkbox"/> Reissue	<input type="checkbox"/> Master Plan	<input type="checkbox"/> Soils	<input type="checkbox"/> Other:	

"On-site, Off-site, Master Plan, and Soils projects each require separate applications if submitted together."

1. Project Name: Saguaro Blvd Reconstruction - Trevino Dr to Fountain Hills Blvd
 (Physical location of Project)
Project Address Saguaro Blvd - Between Trevino Drive and Fountain Hills Boulevard,
City Fountain Hills, **AZ** **Zip Code** 85268-3815
 Section 15 Township T3N Range R6E

Project Description: Reconstruction of existing Saguaro Boulevard between Trevino Drive and Fountain Hills Boulevard. Project will require relocation of existing water lines due to proposed storm drain improvements.

2. System information required

Water / Well Info

Public Water Supply Provider (PWS) 0407 0 1 7 Wells Only: DWR# 55-

Sewage Info

Sewage Collection System Name _____
 Sewage Treatment Facility Name (if different) _____

3. Quantity: Number of water connections 0 Number of sewer connections 0

Water Line			Sewer Line			Reuse Line		
L.F.	<u>703</u>	Size <u>12</u> in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.	L.F.	_____	Size _____ in.
Total Water L.F. <u>703</u>			Total Sewer L.F. _____			Total Reuse L.F. _____		

**** This application constitutes the Notice of Intent to Discharge referenced by R18-9-A301.B.
 "NO APPLICATION WILL BE ACCEPTED UNLESS FULLY COMPLETED "**



**Application for Approval to Construct (ATC) and/or
Provisional Verification of General Permit Conformance **
For Water/Wastewater Facilities**

Public Water Supply Number (PWS) Signature Form

Page 2 of 3

PWS number 0407 0 1 7 (Public Water Supply number)

WATER SERVICE AGREEMENT - An unconditional agreement which is effective this date has been made between the owners of:

Project Name Saguaro Blvd Reconstruction - Trevino Dr to Fountain Hills Blvd

(Physical location of Project)

Project Address Saguaro Blvd - Between Trevino Drive and Fountain Hills Boulevard ,

City Fountain Hills , AZ Zip Code 85268-381 ,

and the EPCOR
(Public Water Supply Provider "PWS")

The undersigned hereby agrees to provide water to the above project with the Public Water Supply (PWS) number and they agree that the PWS is in compliance and on file with Maricopa County Environmental Services Department (MCESD).

Date _____ **Print Name clearly** _____
Job Title _____
Address _____
City _____
Signature _____

- **Signature must not be over one (1) year old.**
- **This agreement MUST be signed by the Public Water System Representative NOT the Engineer or Project owner.**
- **Failure to provide a Public Water Supply (PWS) number that is in compliance will result in immediate rejection of your project.**

*** The Department reserves the right to request any other information ***



**Application for Approval to Construct and/or
** Provisional Verification of General Permit Conformance **
For Water/Wastewater Facilities**

Page 3 of 3

4. Name of Registered Engineer Working on Project: Robert Lyons
Must be Registered with the Arizona Board of Technical Registration. Number: 38007
Phone Number (602) 678-344 Ext N/A Fax N/A
E-mail address robert.lyons@kimley-horn.com
Name of Engineer's Firm as Registered With Kimley-Horn
The AZ Board of Technical Registration:
Mailing Address 7740 N. 16th Street
City Phoenix State AZ Zip Code 85020

(Please print legibly)
(The information provided will be used on the ATC Certificate)

5. PROJECT OWNER NAME: Town of Fountain Hills
Can be Individual or Company
Responsible Party Paul Mood Job Title Director of Development Services
Must be a Person with fiduciary responsibilities associated directly with the project ownership
Mailing Address 16705 E. Avenue of the Fountains
City Fountain Hills State AZ Zip Code 85268-381
Phone Number (480) 816-512 Ext N/A Fax Number N/A
E-mail address pmood@fh.az.gov

6. Authorization

The Project Owner/Responsible Party hereby authorizes the review of project plans as described for approval to construct and/or provisional verification of conformance under General Aquifer Protection Permit 4.01.

Signature of Project Owner/Responsible Party / Please print name Date (not more than 1 year old)
Please complete and attach Letter of Authorization if Project Owner is not signing above.

Pursuant to A.R.S. § 41-1009, the Department may enter your establishment to conduct inspections. You have the right to receive a copy of the Department's inspection report at the time of the inspection, within thirty (30) days after the inspection, or as otherwise provided by federal law.
By initialing below, I agree that the Department may send me a copy of its inspection report by e-mail to the following email address:

(Fax Number). _____ (Initials).
**** It is the responsibility of the permit holder to update the Department if there is a change in contact information. ****

"NO APPLICATION WILL BE ACCEPTED UNLESS FULLY COMPLETED"

Department use only

Waterline _____	Gravity Sewer _____	Storage Tank _____
Well _____	Force Main _____	Booster Station _____
Reissue _____	Master Plan _____	Other: _____
Reuse _____	Pressure Tank _____	
Lift Station _____	Chlorination _____	
Check number (s) _____		Amount Paid _____



Maricopa County Environmental Services
Subdivision Infrastructure & Planning Program

LETTER OF AUTHORIZATION

Complete this form ONLY if the Project Owner/Responsible Party is not signing the application

This form is effective for one (1) year from date of signature.

Please Print Clearly

Date: _____

I hereby authorize _____, of
_____ firm to file

(Engineering Firm / Organization)

and sign this application and act on my behalf for project(s) name(s) listed:

Project Owner /
Responsible Party Name /
Title:

NAME / **TITLE**

Signature of Project Owner /
Responsible Party of Fiduciary Responsibility

*** **MANDATORY** ***

NOTES: - Project Owner's / Responsible Party's information must be on application for use on the certificate.

- Engineer cannot sign this form as Project Owner / Responsible Party

Department Use Only

MCESD number (s): _____

*** The Department reserves the right to request any other information ***

Visit our web page at www.maricopa.gov/EnvSvc/WaterWaste/Subdivisions/Subdivisions.aspx

EXHIBIT C
TO
REIMBURSEMENT AGREEMENT
BETWEEN
CHAPARRAL CITY WATER COMPANY
AND
THE TOWN OF FOUNTAIN HILLS

[Bid Tabulation Sheet]

See following page.

BID TABULATION
TOWN OF FOUNTAIN HILLS - SAGUARO BLVD RECONSTRUCTION
(DS2015-102)

SCHEDULE A: S6010

BID ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	MARKHAM		Markham (EPCOR)	
				UNIT COST	TOTAL	UNIT COST	TOTAL
105.80000	CONSTRUCTION SURVEYING	LS	1	\$ 73,120.00	\$ 73,120.00	2.41%	\$ 1,762.19
107.02000	AZPDES PERMIT	LS	1	\$ 43,615.00	\$ 43,615.00	2.41%	\$ 1,051.12
109.09000	MOBILIZATION/DEMOBILIZATION	LS	1	\$ 149,313.50	\$ 149,313.50	2.41%	\$ 3,598.46
112.01000	CONTRACTOR QUALITY CONTROL	LS	1	\$ 59,175.00	\$ 59,175.00	2.41%	\$ 1,426.12
401.01000	TRAFFIC CONTROL	LS	1	\$ 156,225.00	\$ 156,225.00	2.41%	\$ 3,765.02
401.01105	UNIFORMED OFF-DUTY OFFICER	HR	600	\$ 62.55	\$ 37,530.00	2.41%	\$ 904.47
610.02012	12" DUCTILE IRON PIPE WATERLINE W/ FITTINGS	LF	364	\$ 195.75	\$ 71,253.00	\$ 195.75	\$ 71,253.00
610.05110	VERT. REALIGN 12" WATERLINE (EPCOR-LOCATION 1)	EA	1	\$ 13,478.80	\$ 13,478.80	\$ 13,478.80	\$ 13,478.80
610.05111	VERT. REALIGN 12" WATERLINE (EPCOR-LOCATION 2)	EA	1	\$ 14,003.00	\$ 14,003.00	\$ 14,003.00	\$ 14,003.00
610.05112	VERT. REALIGN 12" WATERLINE (EPCOR-LOCATION 3)	EA	1	\$ 13,275.00	\$ 13,275.00	\$ 13,275.00	\$ 13,275.00
610.05113	VERT. REALIGN 12" WATERLINE (EPCOR-LOCATION 4)	EA	1	\$ 13,275.00	\$ 13,275.00	\$ 13,275.00	\$ 13,275.00
630.01112	12" GATE VALVE W/ BOX & COVER	EA	1	\$ 2,690.00	\$ 2,690.00	\$ 2,690.00	\$ 2,690.00
						\$ 140,482.18	