PALMDALE RECYCLED WATER AUTHORITY (PRWA)
HELD AT CITY OF PALMDALE
ADMINISTRATION TRAINING ROOM
38300 SIERRA HIGHWAY, SUITE A
PALMDALE, CALIFORNIA
REGULAR MEETING AGENDA NO. 40
MAY 21, 2018
7:00 P.M.
www.cityofpalmdale.org
www.palmdalewater.org

WELCOME

NOTE: Materials related to an item on this Agenda submitted to the Palmdale Recycled Water Authority Board of Directors, or after distribution of the agenda packet, are available for public inspection at the City of Palmdale City Hall, located at 38300 Sierra Highway, Suite A, Palmdale, California, and at the Palmdale Water District, 2029 East Avenue Q, Palmdale, California during normal business hours and will also be available at the meeting. Those items provided by others at the meeting will be available at City Hall during normal business hours.

A **three-minute time limit** will be imposed on all speakers other than staff members.

In accordance with the Americans with Disabilities Act of 1990, if you require a disability-related modification or accommodation to attend or participate in this meeting, including auxiliary aids or services, please call the Palmdale Water District at least 48 hours prior to the meeting.

Your courtesy is requested to help our meeting run smoothly. If you'll be kind enough to follow these simple rules, we can make the best possible use of your time and ours:

- Please refrain from public displays or outbursts such as unsolicited applause, comments, cheering, foul language, or obscenities.
- Any disruptive activities that substantially interfere with the ability of the Board of Directors to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.
- Please turn off or mute your cell phones and mobile devices.

1. CALL TO ORDER.

2. PLEDGE OF ALLEGIANCE.

3. ROLL CALL: CHAIR AUSTIN BISHOP AND DIRECTORS KATHY MAC LAREN, VINCENT DINO, JUAN CARRILLO, AND HELEN VELADOR

4. CONSENT CALENDAR – PUBLIC COMMENTS ONLY: If you wish to comment on any item(s) listed on the Consent Calendar on this agenda, please come forward to the podium and state the item number(s) and your comments. **PLEASE NOTE: A three-minute time limit** will be imposed on each speaker other than staff members.

5. CONSENT CALENDAR:

NOTICE: All matters listed under the Consent Calendar will be enacted by one motion unless an item(s) is pulled by the Board, in which case the item(s) will be removed from the Calendar and will be considered separately following this portion of the Agenda.

5.1 Approve the Minutes from the previous meeting held on March 19, 2018. (Staff Reference: Authority Secretary Smith)

5.2 Approve receipt and filing of the Treasurer's Report for the three months ending March 31, 2018. (Staff Reference: Treasurer-Auditor Williams)

Staff Recommendation: Move to approve the recommendations and findings on all items listed under this Consent Calendar. (Voice Vote - Requires a majority to approve.)

6. ACTION CALENDAR:

6.1 Approve an Assignment and Assumption Agreement for Phase I Recycled Water Infrastructure between the City of Palmdale and the Palmdale Recycled Water Authority, Agreement No. PRWA-009. (Staff Reference: Executive Director LaMoreaux)

Call for Public Comments

Staff Recommendation: Move to approve Assignment and Assumption Agreement No. PRWA-009. (Voice Vote - Requires a majority to approve.)

6.2 RESOLUTION NO. PRWA 2018-002, A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE RECYCLED WATER AUTHORITY AUTHORIZING THE ADOPTION OF THE PALMDALE RECYCLED WATER AUTHORITY 2017 BUDGET. (Staff Reference: Treasurer-Auditor Williams)

Call for Public Comments

Staff Recommendation: Move to Adopt Resolution No. PRWA 2018-002. (**Vote by Roll Call** – requires a majority to adopt and/or approve and per Section 4.9(e) of the Authority's Joint Exercise of Powers Agreement, the affirmative vote of at least one director from each member agency.)

7. SPECIAL REPORTS:

7.1 Update on the Upper Amargosa Creek Project. (Staff Reference: Assistant Executive Director Heffernan)

There is no staff report for this item.

7.2 Presentation on the June Park and Water Bond. (Staff Reference: Executive Director LaMoreaux)

There is no staff report for this item.

7.3 Presentation on the $8.9B November Water Bond. (Staff Reference: Executive Director LaMoreaux)

There is no staff report for this item.

7.4 Update on State Revolving Fund Grant/Loan Application for Phase II. (Staff Reference: Palmdale Water District Engineering/Grant Manager Riley)

There is no staff report for this item.

7.5 Overview of the Palmdale Recycled Water Authority Master Facilities Plan. (Staff Reference: Executive Director LaMoreaux)

There is no staff report for this item.

8. **NON-AGENDA ITEMS - PUBLIC COMMENTS:** This portion of the Agenda allows an individual the opportunity to address the Board of Directors on any subject regarding Palmdale Recycled Water Authority business. Under state legislation, no action can be taken on items not specifically referenced on the Agenda. **PLEASE NOTE: A three-minute time limit** will be imposed on each speaker other than staff members.

9. **REQUESTS FOR NEW AGENDA ITEMS:**

10. **INFORMATIONAL REPORT OF THE BOARD OF DIRECTORS, EXECUTIVE DIRECTOR, AND ASSISTANT EXECUTIVE DIRECTOR.**

11. **CLOSED SESSION – PUBLIC COMMENTS ONLY:** If you wish to comment on any Closed Session item on this agenda, please come forward to the podium and state the item number(s) and your comments. **PLEASE NOTE: A three-minute time limit** will be imposed on each speaker other than staff members.

12. **CLOSED SESSION – CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION:** A closed session will be held, pursuant to Government Code §54956.9 (d)(4) because the Authority is considering whether to initiate litigation in one case.

This item was continued from the March 19, 2018 Palmdale Recycled Water Authority meeting.

12.1 The reason for holding a closed session is for the purpose of conferring with and/or receiving advice from the Authority's legal counsel and to receive direction from the Authority Board regarding the possible initiation of litigation in one matter.

This closed session is being held pursuant to the authority of California Government Code Section 54956.9(d) (4). Number of cases – One.

Based on existing facts and circumstances, the Authority needs to decide whether to initiate litigation. Counsel believes the possible litigation is not yet known to the potential defendant(s).

Closed session is recommended because the Authority will assess the merits of this matter and consider its perspective. Based on existing facts and circumstances it is the opinion of the Authority Counsel that it would prejudice the position of the Authority to discuss these matters in public or to disclose further the circumstances in this potential case; such

disclosure may harm other efforts to resolve the matter and, it is believed the possible defendant(s) is unaware of this possible litigation.

13. CLOSED SESSION.

14. ANNOUNCEMENT BY AUTHORITY COUNSEL of item(s) discussed in Closed Session.

15. ADJOURNMENT to June 18, 2018 at 7:00 p.m. at the City of Palmdale Administration Training Room located at 38300 Sierra Highway, Suite A, Palmdale, California.

Complete packets can be viewed at City Hall, located at 38300 Sierra Highway, Suite A, Palmdale, California; Palmdale Water District, 2029 East Avenue Q, Palmdale, California, and the Main Library, located at 700 East Palmdale Boulevard, Palmdale, California. You can also view the Agenda for the Palmdale Recycled Water Authority on the City's website at www.cityofpalmdale.org or the Palmdale Water District website at www.palmdalewater.org.

Thank you for attending your Palmdale Recycled Water Authority meeting. If you have any further questions, please contact the Secretary's Office at (661) 267-5151, Monday through Thursday, 7:30 a.m. to 6:00 p.m., closed every Friday.

PALMDALE RECYCLED WATER AUTHORITY

BOARD MEMORANDUM

DATE:	May 10, 2018	**May 21, 2018**
TO:	BOARD OF DIRECTORS	**Board Meeting**
FROM:	Michael Williams, Treasurer-Auditor, PRWA	
VIA:	Mr. Dennis LaMoreaux, Executive Director, PRWA	

RE: AGENDA ITEM NO 5.2 – TREASURER'S REPORT FOR MARCH 31, 2018

Recommendation:

Palmdale Recycled Water Authority (PRWA) staff recommends the Board of Directors to receive and file the Treasurer's Report for the three months ending March 31, 2018.

Background:

To comply with provisions required by Section 4.13 of the Joint Powers of Authority Agreement and responsibilities of Treasurer, a Financial Report is prepared and submitted to the Board of Directors who certifies the availability of funds for the reports presented. These reports are hereby submitted to the Board of Directors for ratification.

Financial Impact:

As of March 31, 2018, the PRWA has $912,327.17 cash in the bank. PRWA earned $155.06 in interest, received $5,965.47 in receivables and there were $15,709.26 in expenses paid for the month.

Supporting Documents:

Treasurer's Report for month ending March 31, 2018
Balance Sheet for period ending March 31, 2018.
Income Statement for period ending March 31, 2018.

Palmdale Recycled Water Authority
Treasurer's Report
Month Ended March 31, 2018

Cash/Funds Available and held at Bank of America:	
Bank Balance, beginning March 1, 2018	923,411.54
Less: Expenses Paid	(17,420.85)
Less: Bank Fees Paid (Credit Card Processing)	(105.30)
Add: Deposits Made	5,965.47
Add: Interest Earned	155.06
Add: Deposit in Transit	459.78
Outstanding Check (Ledger Tie-Out)	(138.53)
Bank Balance, ending March 31, 2018	912,327.17
Less: Accounts Payable	(11,327.60)
Less: Accrued Purchases	(7,382.51)
Less: Accrued Payroll Taxes	-
Less: Deposits - Customer	(7,000.00)
Add: Accounts Receivable	5,151.21
Adjusted Bank Balance, ending March 31, 2018	891,768.27

Outstanding Expenses (Prior Month(s)):

March Expenses:

Director Pay - Replacement Check for September 2017	138.52
Director Pay - Replacement Check for February 2018	138.52
Director Pay - Meetings & Business Expense Reimbursement	138.52
Sanitation Districts of L.A. County - Water Purchases	15,270.76
Internal Revenue Service - Federal Payroll Taxes	22.94
Total Expenses	15,709.26

Palmdale Recycled Water Authority
Balance Sheet
For the Three Months Ending 3/31/2018

	YTD
ASSETS	
Cash	$912,327
Prepaid Memberships	
Accounts Receivable	
- Water	5,151
- Government Agency	
Total Assets	**$917,478**
LIABILITIES AND FUND BALANCE	
LIABILITIES	
Accounts Payable	$11,328
Accrued Expense	7,383
Deposits - Customer	7,000
Total Liabilities	**25,710**
FUND BALANCE	
Unassigned	891,768
Total Fund Balance	**891,768**
Total Liabilities and Fund Balance	**$917,478**

Palmdale Recycled Water Authority
Income Statement - Current and YTD
For the Three Months Ending 3/31/2018

	March	YTD
REVENUES:		
Contributions - Palmdale Water District		
Contributions - City of Palmdale		
Grant Funds		
Water Sales	6,393.04	12,470.98
Interest Earnings	155.06	455.81
Total Revenue	**$6,548.10**	**$12,926.79**
EXPEDITURES:		
General Government		
Public Representive - Payroll Tax Expense (Employer)	11.47	22.95
Public Representive - Travel & Meeting	150.00	300.00
Banking Fees	105.30	178.76
Provision for Bad Debt		
Memberships		2,996.00
Operating Supplies		
Marketing & Outreach		
Travel & Meeting		
Permits & Fees		
Utilities - Purchased Water		
Materials &Supplies		
Maint. & Repair - Water System		
	$266.77	$3,497.71
Public Resource		
Contracted Services - Professional Svcs		
Contracted Services - Audit	5,500.00	5,500.00
	5,500.00	5,500.00
	$5,766.77	$8,997.71
Change in Net Position	**$781.33**	**$3,929.08**
Net Position - Beginning of Year		**887,839.19**
Net Position - End of Year	**$781.33**	**$891,768.27**

PALMDALE RECYCLED WATER AUTHORITY
BOARD MEMORANDUM

DATE: May 16, 2018 **May 21, 2018**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Dennis LaMoreaux, Executive Director, PRWA

RE: AGENDA ITEM NO. 6.1 – APPROVE ASSIGNMENT AND ASSUMPTION AGREEMENT FOR PHASE 1 RECYCLED WATER INFRASTRUCTURE BETWEEN THE CITY OF PALMDALE AND THE PALMDALE RECYCLED WATER AUTHORTY, AGREEMENT NO. PRWA-009

Recommendation:

Staff recommends the Board approve the Assignment and Assumption Agreement for "Phase I" Recycled Water Infrastructure (PRWA-009).

Background:

On September 26, 2012, the City of Palmdale and the Palmdale Water District entered into a Joint Exercise of Powers Agreement Creating the Palmdale Recycled Water Authority to "among other things, jointly study, promote, develop, distribute, construct, install, finance, use and manage recycled water resources created by the Los Angeles County Sanitation District Nos. 14 and 20 for any and all reasonable and beneficial uses, including irrigation and recharge, and to finance the acquisition and construction or installation of recycled water facilities, recharge facilities and irrigation systems." In joining forces, the City of Palmdale and the Palmdale Water District agreed to use existing and future resources to promote a recycled water system in the city of Palmdale and surrounding areas. The City of Palmdale pledged its existing recycled water infrastructure known as "Phase I", generally consisting of a temporary pump station and recycled water pipeline to McAdam Park, to the newly formed Palmdale Recycled Water Authority. The Assignment and Assumption Agreement for "Phase I" Recycled Water Infrastructure (PRWA-009) transfers ownership of the City of Palmdale's existing recycled water infrastructure to the Palmdale Recycled Water Authority. The Palmdale Recycled Water Authority would assume all rights, interests, and obligations associated with the infrastructure.

The City of Palmdale approved the Assignment and Assumption Agreement for "Phase I" Recycled Water Infrastructure on May 15, 2018.

Financial Impact:

This agreement would convey an asset with an original value of $2.5 million to the Palmdale Recycled Water Authority. The City would no longer have any financial obligation for the future repair and maintenance of these facilities.

Supporting Documents:

Assignment and Assumption Agreement, Agreement No. PRWA-009

A-6228
PRWA-009

ASSIGNMENT AND ASSUMPTION AGREEMENT FOR PHASE I RECYCLED WATER INFRASTRUCTURE

This Assignment and Assumption Agreement ("Agreement") is dated May 21, 2018 (the "Effective Date") and is between the CITY OF PALMDALE, a California Charter City ("City") and the PALMDALE RECYCLED WATER AUTHORITY, a joint powers authority (the "PRWA"). The City and the PRWA are referred to in this Agreement individually as a Party, or collectively as the Parties.

Whereas, on September 26, 2012, the City and the Palmdale Water District entered into a Joint Exercise of Powers Agreement Creating the Palmdale Recycled Water Authority ("PRWA JPA"). The PRWA JPA created the PRWA to "among other things, jointly study, promote, develop, distribute, construct, install, finance, use and manage recycled water resources created by the Los Angeles County Sanitation District Nos. 14 and 20 for any and all reasonable and beneficial uses, including irrigation and recharge, and to finance the acquisition and construction or installation of recycled water facilities, recharge facilities and irrigation systems."

Whereas, the PRWA JPA authorized the City and the Palmdale Water District to make contributions of money, personnel, equipment, property and other assets to the PRWA.

Whereas, the City pledged, as evidenced in Section 5.2 of the PRWA JPA, its existing recycled water infrastructure known as "Phase I" to the newly formed PRWA.

Whereas, the City wishes to contribute its existing recycled water infrastructure to the PRWA, and the PRWA desires to accept such infrastructure.

Therefore, the Parties agree as follows:

1. Assignment. The City hereby assigns to the PRWA all of the City's rights and obligations relating to the Phase I recycled water infrastructure, generally consisting of a temporary pump station and recycled water pipeline to McAdam Park, more specifically identified in Exhibit A. It is agreed amongst the parties that this infrastructure had an original value of $2.5 million. The Phase I recycled water infrastructure was placed into operation on, or around, October 3, 2012.

2. Assumption. The PRWA herby assumes all rights and obligations relating to the infrastructure identified in Section 1 above.

3. General Provisions.
   a. Successors and Assigns. This Agreement will be binding on and inure to the benefit of the Parties, their heirs, executors, administrators, successors in interest, and assigns.
   b. Amendment. Any amendment or modification of this Agreement must be written and properly executed by both Parties.
   c. Authority. The Parties represent that the individuals executing this Agreement have the legal power, right and actual authority to bind that Party to the terms and conditions of this Agreement.

CITY OF PALMDALE

By: _____ 5/16/18
James C. Ledford Date
Mayor

PALMDALE RECYCLED WATER AUTHORITY

By: _____
Austin Bishop Date
Chair

APPROVED AS TO FORM:

_____
Wm. Matthew Ditzhazy
City Attorney

APPROVED AS TO FORM:

_____
Eric Dunn
Authority Attorney

ATTEST:

_____
Rebecca J. Smith
City Clerk

ATTEST:

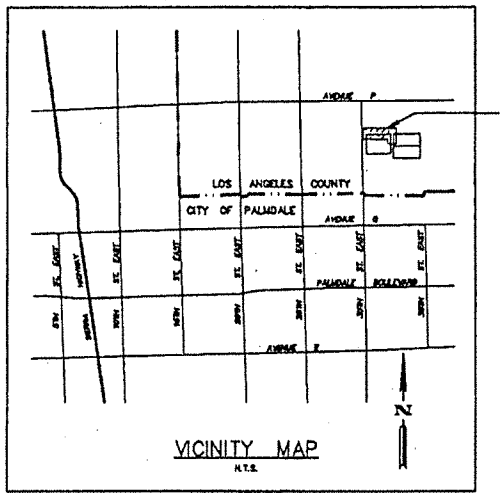
_____
Rebecca J. Smith
Secretary

RECYCLED WATER SUPPLY TO EASTSIDE PARKS

CITY OF PALMDALE

PROJECT NO. 640

TEMPORARY PUMP STATION AND PIPELINE



VICINITY MAP
N.T.S.

ABBREVIATIONS

AC	ASPHALT-CONCRETE	MAX	MAXIMUM
ACP	ASBESTOS-CEMENT PIPE	NO.	NUMBER
ASTM	AMERICAN STANDARD TEST METHOD	NTS	NOT TO SCALE
CI OR CIP	CAST-IRON PIPE	OD	OUTSIDE DIAMETER
CC	CENTER TO CENTER	OC	ON CENTER
℄ OR C/L	CENTERLINE	PL	PLATE, PROPERTY LINE
CL	CLASS	PCC	PORTLAND CEMENT CONCRETE
CLR	CLEARANCE	PR	PRESSURE RATING
CMC	CEMENT-MORTAR COATED	PRV	PRESSURE REDUCING VALVE
CML	CEMENT-MORTAR LINED	PSF	POUNDS PER SQUARE FOOT
CONC.	CONCRETE	PSI	POUNDS PER SQUARE INCH
CORP	CORPORATION	PVC	POLYVINYL CHLORIDE
CPLG	COUPLING	RAD	RADIUS
CVR	COVER	REINF.	REINFORCE OR REINFORCING
CYL	CYLINDER	REP	REPAIR
DI OR DIP	DUCTILE-IRON PIPE	REQD	REQUIRED
DIA	DIAMETER	SCH	SCHEDULE NUMBER
DET	DETAIL	SPECS	SPECIFICATIONS
EA	EACH	SQ	SQUARE
ELEC	ELECTRIC OR ELECTRICAL	SS	SANITARY SEWER
F.	FLOW LINE	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
FLG	FLANGE	STD	STANDARD
FIP	FEMALE IRON PIPE	STL	STEEL
FH	FIRE HYDRANT	TC	TOP OF CURB
FS	FINISHED SURFACE	TYP	TYPICAL
G	GAS	WWP	WATER WORKING PRESSURE
GA	GAUGE, OR GAGE	W/	WITH
GALV	GALVANIZED	W/O	WITHOUT
ID	INSIDE DIAMETER	#	NUMBER
		@	AT
		IP	IRON PIPE

DRAWING INDEX	
1	PROJECT COVER SHEET
2	GENERAL NOTES, LEGEND & MATERIAL LIST
3	PARTIAL SITE PLAN, TEMP. PUMP STA. PIPING PLAN
4	INTERCONNECTION DETAILS & CROSSING SECTION
5	TEMPORARY PUMP STATION PLAN & SECTIONS
6	
7	

CITY OF PALMDALE
APPROVED BY:
CHARLES K. HOFFMAN RCE 40758

CITY OF PALMDALE
CHECKED BY:
CITY PROJECT MANAGER — DATE 1/10/12

REVISIONS

REVISED BY:	DATE:	REVISED BY:	DATE:
APPROVED BY:	DATE:	APPROVED BY:	DATE:

PLAN PREPARED FOR: CITY OF PALMDALE JN: 10083
BARRY E. WOLZ 44094 6-30-13 RCE EXP. DATE
CIVIL
Santa Clarita Valley 18740 Oxnard Street Tarzana, CA 91356 (818) 345-8018 FAX

CITY OF PALMDALE
RECYCLED WATER IMPROVEMENTS
PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640	DATE: 1-12-12	SHEET 1 OF 5 SHEETS

PROJECT NO. 640

EXHIBIT 1

EXHIBIT A

GENERAL CONSTRUCTION NOTES

1. RECYCLED WATER SHALL NOT BE CONSIDERED AS SPECIFIED IN "WATER FOR RECLAMATION PURPOSES", TITLE 22, DIVISION 4, CHAPTER 3, SECTION 60301, SHEETLESS SECTION 60305 OF THE CALIFORNIA CODE OF REGULATIONS AND REGULATIONS OF THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. RECYCLED WASTEWATER WAS SHALL BE DISINFECTED WITH SUCH RESIDUAL AS REQUIRED BY HEALTH SERVICES AND REGIONAL BOARD EQUALITY CONTROL BOARD REQUIREMENTS.
3. PLANS AND SPECIFICATIONS FOR RECYCLED WATER DISTRIBUTION, USE AND ENCROACHMENT PRACTICES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE LOS ANGELES COUNTY PUBLIC HEALTH DEPARTMENT PRIOR TO INSTALLATION WORK.
4. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOS ANGELES COUNTY PUBLIC HEALTH DEPARTMENT TO ARRANGE FOR INSPECTION OF ALL ON-SITE RECYCLED AND POTABLE WATER MAINS, NO EXCAVATION OF SPOILS MATERIAL MAY BE BACKFILLED WITHOUT FIRST RECEIVING HEALTH DEPARTMENT APPROVAL. IF ANY PIPING, RECYCLED OR POTABLE, IS BACKFILLED PRIOR TO PLAN CHECK APPROVAL AND/OR SITE INSPECTIONS, ALL OF ANY PORTIONS OF THE SYSTEM SHALL BE REQUIRED TO BE EXPOSED AND CORRECTED AS NECESSARY.
5. PIPE SEPARATION SHALL BE CHECKED TO ENSURE CONSTRUCTION ACCORDING RECALL MADE BY PUBLIC SERVICES, PIPE SEPARATION OF SEWER MAIN FROM RECYCLED WATER LINES AS TO MINIMIZE THE POSSIBILITY OF SEWER LINES BE ACCIDENTALLY CONNECTED TO RECYCLED WATER SYSTEM. SEPARATION REQUIREMENTS ARE AS FOLLOWS:
   a. HORIZONTAL SEPARATION — MINIMUM 4 FEMALE TO POST HYDROSTATIC SEPARATION BETWEEN RECYCLED WATER AND POTABLE WATER PIPING UNLESS OTHERWISE NOTED. IF IT IS NOT HORIZONTAL SEPARATION IS NOT PRACTICAL, A SEPARATION OF AT LEAST 1 FOOT MAY BE ALLOWED SUBJECT TO ONE OF THE FOLLOWING REQUIREMENTS:
      1. SOLID SLEEVE—RECLAIMED PIPE PIPES THAT RECYCLED OR SITE SYSTEMS
      2. NON-REINFORCED JOINT PIPE PIPE FOR RECYCLED AND POTABLE ON SITE SYSTEMS
      3. REINFORCED JOINT SEWER PIPE PIPE FOR RECYCLED ON SITE SYSTEMS
      4. WELDED STEEL PIPE FOR RECYCLED ON SITE SYSTEMS
      5. ELECTRIC WELDED ON SITE PIPE
      6. ELECTRIC RECYCLED ON SITE PIPE

   IN NO CASE IS A HORIZONTAL SEPARATION LESS OF LESS THAN 4 FEET OR CONSTRUCTION IN THE SAME TRENCH AS POTABLE ON SITE FACILITIES ALLOWED.

   b. VERTICAL SEPARATION — AT PIPE CROSSINGS, GRADED PRESSURIZED RECYCLED OR SITE MAINS MUST BE 12 INCHES BELOW POTABLE ON SITE LINES. PRESSURIZED RECYCLED ON SITE LINES ARE ALLOWED OVER POTABLE WHERE PIPELINES WITH A MINIMUM OF 12 INCHES VERTICAL SEPARATION IS A FULL STANDARD LENGTH IS CENTERED OVER THE CROSSING, OR THE RECYCLED ON SITE PIPELINE IS INSTALLED IN A PIPE SLEEVE WHICH EXTENDS A MINIMUM OF 10 FEET ON EITHER SIDE OF THE POTABLE ON SITE PIPING OR THE RECYCLED UNDER PRESSURE PIPE IS ENCASED WITH CONCRETE FOR A DISTANCE OF 10 FEET OF THE CROSSING.

   c. OTHER UTILITIES — NO SPECIAL REQUIREMENTS ARE ESTABLISHED FOR SEPARATION FROM OTHER UTILITIES, HOWEVER, THE USE OF APPROVED SLEEVES, 5 FEET IN THE RECLAIMED AND 10 FEET OF EACH SIDE FROM CROSSINGS, MAY REQUIRE SEPARATION OF OTHER PIPELINE FROM ONLY BE INSTALLED BETWEEN SEPARATION LINES AND ENCASTRES SAID FACILITIES AS OTHER PIPELINES WITH APPROVED CURRENT OR PUBLIC AND SEE ROW.
6. THE RECYCLED WATER SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH POTABLE ON SITE WATER CONSTRUCTION STANDARDS AND IN ACCORDANCE WITH ALL OTHER REGULATIONS, CODES, RULES & REGULATIONS.
7. UNLINED OR ASBESTOS POTABLE WATER LINES ARE TO BE REMOVED OR ABANDONED IN PLACE IF SUCH SHALL BE PRACTICAL, CAPPED AND A 10-FOOT SECTION OF ABANDONED LINES REMOVED AND CEMENT GROUTED UNDER HEALTH DEPARTMENT INSPECTIONS.
8. RECYCLED ON SITE FACILITIES IDENTIFICATION: ALL RECYCLED WATER ON SITE LINES (PRESSURIZED/NON-PRESSURIZED), VALVE BOXES, APPURTENANCES AND APPLIED FINISHES SHALL BE DESIGNED TO CLEARLY DISTINGUISH BETWEEN RECYCLED WATER/OTHER, NON-POTABLE AND POTABLE ON SITE SYSTEMS.
   a. USING PURPLE-COLORED PVC PIPE (PURPLE - PANTONE 512C WITH CONTINUOUS MARKING "CAUTION RECYCLED WATER" PRINTED ON OPPOSING SIDES OF THE PIPE, PIPE SHALL BE LABELED WITH THE FOLLOWING FACING MARKINGS.
   b. ANY ACCEPTABLE ALTERNATIVE TO THE DESIGNED AND LETTERED PVC PIPE IS THE INSTALLATION OF WARNING TAPE. ALL PIPE THAT IS NOT COLORED AND LETTERED AS INDICATED ABOVE MUST HAVE THE WARNING TAPE INSTALLED. THE USE OF SOLID-COLOR, NON-BLACK, SOLID-STRIPED, OR A CO-EXTRUDED COLORED PIPE IS ALLOWED WITH THE INSTALLATION OF WARNING TAPE.
   c. WARNING TAPE WITH A MINIMUM WIDTH OF 6 INCHES BEARING "CAUTION RECYCLED WATER" IN BLACK LETTERING ON PURPLE BACKGROUND SHALL BE PLACED CONTINUOUSLY ON TOP OF ALL PIPE AND SHALL BE ATTACHED TO PIPE WITH PLASTIC TAPE BANDS AROUND THE WARNING TAPE AND THE PIPE EVERY 5 FEET OR CLOSER.

   PIPELINE WARNING SHALLS BE PROVIDED BY THE FOLLOWING AREAS:

   i. AT BLOWOFF OR AIR RELIEF VALVES
   ii. ALL PLACING WORK
   iii. AT REVENUE METER MANIFOLDS — UNAPPROVED AREAS ONLY
   iv. AT BOTH SIDES OF VALVES AND SERVICE CROSSINGS — UNAPPROVED AREAS ONLY
   v. AT SPECIFIC LOCATIONS OF OTHER SIMILAR APPURTENANCES — UNAPPROVED AREAS ONLY
   vi. AT SINGLE POINTS — UNAPPROVED AREAS ONLY
      EVERY 500± (1,000 FT) — IF UNTRENCHED AREAS
      THE SE CORNER — UNAPPROVED AREAS ONLY

   THE WARNERS SHOULD BE PLASTIC CONSISTENT OF (20MIL) WARNING SHOULD BE STAMPED WITH THE PROJECT DESCRIPTION, WHICH WILL BE DETERMINED DURING THE FINAL DESIGN. IF WARNERS ARE LIKELY TO BE BURIED, THE WARNERS SHOULD BE METAL DETECTABLE—TYPE WARNERS. WARNING SHALL BE PLACED IN A CLEARLY VISIBLE AREA, AS APPROPRIATE, BLACK PAINT ANY RECYCLED WATER FACILITY SHALL BE CLEARLY IDENTIFIABLE.

   d. EXPOSED PIPING, VALVE BOXES, VALVE TO, CONTROL VALVES, ETC., BLACK CORPORATE NETWORKS AND RELATED APPURTENANCES SHALL BE COLOR—CODED AND LABELED OR STAMPED TO IMPLEMENT IS BETWEEN RECYCLED WATER ON SITE, POTABLE ON SITE AND NON—POTABLE WATER SYSTEMS, ETC.

   i. "CAUTION – RECYCLED WATER, DO NOT DRINK" IN BLACK ON WHITE CONTRASTING LETTERING ON A PURPLE BACKGROUND.
   ii. "POTABLE ON SITE" IN WHITE LETTERING ON A BLACK BACKGROUND.
   iii. "NON—POTABLE ON SITE – DO NOT DRINK" IN CONTRASTING LETTERING FROM THE BACKGROUND.

   THESE SHALL BE IDENTIFIED WITH THE APPROPRIATE WORDING ON BOTH SIDES. THESE IDENTIFYING RECYCLED ON SITE SHALL HAVE THE APPROPRIATE WORDING ON ONE SIDE AND SYMBOL ON THE OPPOSITE SIDE.

7. BOX ON OF COVERS, PAVEMENT SHALL IDENTIFIABLY BE DETERMINED FOR USE ACROSS VARIOUS SYSTEMS, IN ORDER TO ALLOW INSTALLATION FROM EXISTING LAUNDALE CONNECTIONS, ETC. NO PAVEMENT MAY BE ALLOWED WITH LESS THAN 48 INCHES BETWEEN UNLIKE NOTED SYMBOLISM.
8. WARNING TAPE: UNDERGROUND WARNING TAPE SHALL BE INSTALLED WITH ALL NON—METALLIC PIPE. THE TAPE SHALL BE PLACED 3 INCHES TO 12 INCHES ABOVE THE PIPE, AND A MINIMUM OF TWO INCHES WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE. THE WARNING TAPE SHALL BE A MINIMUM OF TWO INCHES WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE. IF SHALL BE 6 INCHES WIDE, PURPLE IN COLOR, WITH THE FOLLOWING WORDING: "CAUTION – RECYCLED WATER LINE BURIED BELOW", STENCHWELL AND CONSTRUCTED OF 100 PLY NON—PRODUCTS COATED. THE TAPE SHALL BE "CERTA—TAPE DETECTABLE WARNING TAPE" OR APPROVED EQUAL, MEETING THE REQUIREMENTS LISTED ABOVE.
9. IDENTIFICATION SIGNS: IDENTIFICATION SIGNS SHALL BE INSTALLED WITH ALL NON—METALLIC PIPE. THE SIGNS SHALL BE 3 INCHES TALL BY 6 INCHES WIDE, AND SHALL BE INSTALLED AT DETAILED PER NO. 1416-16. THE SIGNS SHALL BE THE CHECK RECOMMENDED AT INTERVALS OF A FEET MIN AT EACH LIGHT OR FITTING WITH AN 8 INCH LETTERING OF 2 INCH WIDE, BLACK PAINT, ON BLANCO APPROVED METHOD.
10. ADAPTERS SHALL BE PROTECTED AGAINST CONTAMINATION BY RECYCLED WATER BY NOT USE INTERCHANGED FOR OPERATION BUT PROTECTED ON RECYCLED CONNECTED BY CONNECTING THESE PHYSICAL INTERCHANGES. RECYCLED WATER SHALL NOT BE SERVICED BY WELL PUMP INSTALLATIONS AND APPURTENANCES.
11. BACKFLOW PREVENTION
   a. THERE SHALL BE NO INTERCONNECTION BETWEEN THE POTABLE WATER SYSTEM AND THE RECYCLED WATER SYSTEM BEYOND THE USER'S METER(S).
   b. A SITE OF PRESSURE TEST MUST BE ACHIEVED TO CONFIRM THE PHYSICAL SEPARATION OF RECYCLED AND POTABLE WATER SYSTEMS. SAID TESTING SHALL BE PERFORMED IN CONJUNCTION WITH THE WATER PURVEYOR AND CERTIFIED BEFORE THE INSPECTION OF RECYCLED WATER LINES, ETC.
   c. CONTACT THE LOCAL WATER PURVEYOR REGARDING REQUIRED BACKFLOW PREVENTION AT THE POTABLE WATER SERVICE CONNECTIONS TO RECYCLED WATER USE SITES.
   d. IN ORDER TO MAINTAIN THE WATER QUALITY IN A RECYCLED WATER/WATER DISTRIBUTION SYSTEM, A BACKFLOW PREVENTION DEVICES MAY BE REQUIRED AT THE RECYCLED WATER USE SITE OR AT SPECIFIC ON—SITE USES WHERE, SAID USE COULD ENDANGER THE QUALITY OF THE RECYCLED WATER IN THE SUPPLY.
12. FITTINGS REPLACE THE USE OF PVC AND STEEL PIPE, IF AN ALTERNATE PIPE IS USED THE FITTINGS MUST REPLACE THE USE OF SAID PIPE.
13. ALL ELL PIPING REQUIRE THE USE OF RETAINING CLAMPS.
14. ALL BRANCH AND BLOW PIPING MUST BE RESTRAINED BY HARNESS SYSTEM PER A.W.A. STD.
15. MISCELLANEOUS BLOCK PLANNED, TEST PLATES, AND BLOCK—OUTS SHALL BE REQUIRED TO TEST NEW MAIN PRIOR TO TIE—IN, BLOCK—OUTS TO BE PLANNED WITH SOLID CONCRETE PLATES TO TIE—IN.
16. CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS AND TIE—IN POINTS PRIOR TO CONSTRUCTION TO VERIFY LOCATION, DEPTH AND CONFIGURATION OF EXISTING FACILITIES.
17. RECYCLED WATER MAIN TO MAINTAIN A MINIMUM OF 5 FEET OF COVER UNDER EXISTING OR FUTURE FLOW LINE GRADE, AS SHOWN ON THE PLANS.
18. ALL ON SITE SYSTEM WORK SHALL CONFORM TO THE LATEST STANDARDS AS LAST REVISED.
19. THE CITY'S ENGINEERING OFFICE SHALL BE NOTIFIED 48—HOURS BEFORE THE START OF WORK AT (714)897—3678 TO SCHEDULE INSPECTION OF FACILITIES.
20. A PRE—CONSTRUCTION CONFERENCE OF REPRESENTATIVES FROM AFFECTED AGENCIES AND THE CONTRACTOR SHALL BE HELD ON THE JOB SITE PRIOR TO THE START OF WORK.
21. THE ON SITE SYSTEM IS TO BE OWNED BY THE DEVELOPER'S SUBSTITUTE AT A MINIMUM OF ON—FOOT SEPARATION IF THERE ARE NO EXISTING CURBS.
22. ALL MAIN LINE VALVES SHALL BE SPACED NOT TO BE ACCESSIBLE DURING TRACT DEVELOPMENT, AND ALL VALVE STEM TOPS NO MORE THAN 48—INCHES OF GRADE TILL PAVEMENT AND EXTENSION.

GENERAL CONSTRUCTION NOTES CONT'D

24. ALL FLUSH VALVE SHALL BE SET WITH THE BONNET PLUMB 4—INCHES ABOVE THE CONCRETE PAD OR SIDEWALK WITHOUT THE USE OF SPACERS AND SHALL BE LOCATED A MINIMUM OF TWO FEET FROM CURB, OR ANY OBSTACLE ABOVE.
25. ALL VALVE BOXES 3—INCHES SUBMERSIBLE 12—INCHES SHALL BE CLASS 150, ARMOR D—900 PVC, UNLESS OTHERWISE NOTED.
26. NO TAPS OR OTHER CONNECTIONS SHALL BE MADE TO EXISTING CITY RECYCLED WATER MAINS IN CONNECTION OR APPROVED PROPOSAL TEST OR THE NEW RECYCLED WATER SYSTEM, NOTHING SHALL BE PRESSURE TESTED IN AN APPROVED MANNER IN THE FIELD, IN THE PRESENCE OF THE CITY INSPECTOR, PRIOR TO DISPOSAL OF THE WATER LINE SHALL NOT PROCEED UNLESS A CITY INSPECTOR IS PRESENT.
27. WATER METERS AND VALVES BOXES ARE LOCATED PER STRUCTURES, THE WATER METER STATION SHALL BE SO LOCATED THAT THE METERS AND THE BOXES WILL BE HORIZONTALLY AND PLUMB, NOTWITHSTANDING WITH THE FINISHED SURFACE.
28. NO METER TO BE SET PLACED WITHIN ANY DRIVEWAY OR SIDEWALK AREA.
29. CLEARS SHALL BE MAINTAINED WITH THE WORKING FOR ALL VALVE LOCATIONS.
30. THE CONTRACTOR SHALL EXPOSE ALL JOIN POINTS TO THE EXISTING ON SITE SYSTEM FOR VERIFICATION OF HORIZONTAL AND VERTICAL LOCATIONS BEFORE CONSTRUCTION.
31. THE CONTRACTOR'S WORKING ON SITE RECYCLED WATER LINES SHALL HAVE A D—34 LICENSE OR A CLASS A GENERAL CONTRACTORS LICENSE.
32. ALL COPPER METERED SERVICE LINES WILL BE MARKED WITH CONTINUOUSLY STAMPED PURPLE MARKING TAPE FROM END TO END.

UNDERGROUND SERVICE ALERT

1-800-227-2600

TWO (2) WORKING DAYS BEFORE YOU DIG ARTICLE 2, SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT AT THE NUMBER ABOVE.

UNDERGROUND UTILITIES

BEFORE STARTING EXCAVATION, THE CONTRACTOR SHOULD CONTACT:

VERIZON (GENERAL TELEPHONE)
UNDERGROUND SERVICE ALERT
TELEPHONE: 1-800-422-4133

SBC COMMUNICATIONS
UNDERGROUND SERVICE ALERT
TELEPHONE: 1-310-545-2929

THE SOUTHERN CALIFORNIA EDISON CO.
MR. DAVE RUPP
TELEPHONE: 1-661-949-8333

THE SOUTHERN CALIFORNIA GAS CO.
MR. PHIL CHURCH
TELEPHONE: 1-661-948-1528

CITY OF PALMDALE
MR. GORDON PHAIR
TELEPHONE: 1-661-267-5310

PALMDALE WATER DISTRICT
MR. MATT YOLDSON
TELEPHONE: 1-661-947-4111

LOS ANGELES COUNTY WATERWORKS
MR. HERBERT MANDALE
TELEPHONE: 1-661-726-1791

LOS ANGELES CO. SANITATION DISTRICT #20
MR. TIM LIAN
TELEPHONE: 1-661-947-4033

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES TO VERIFY THE LOCATION AND ANY DISCREPANCY BETWEEN THE PLANS SHALL BY BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR ALSO AGREES TO DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

BARRY S. DOMPE — 44094 R.C.E. — DATE

LEGEND

WATER IMPROVEMENTS

PROPOSED RECYCLED WATER MAIN
BUTTERFLY VALVE
TEE
ELBOW
FLUSH OUT 4"x2-1/2" COMPLETE
AIR & VACUUM RELEASE VALVE COMPLETE
FIRE HYDRANT 6"x4"x2-1/2" COMPLETE
FUTURE DOMESTIC WATER MAIN
EXISTING DOMESTIC WATER MAIN
EXISTING VALVE
EXISTING SERVICE AND METER
EXISTING FLUSH OUT
EXISTING AIR & VACUUM RELEASE VALVE
EXISTING FIRE HYDRANT

EXISTING UTILITIES AND STREET IMPROVEMENTS

SEWER AND MANHOLE
STORM DRAIN
GAS LINE
TELEPHONE
STREET CENTER LINE
PROPERTY LINE
RIGHT-OF-WAY LINE
A.C. PAVEMENT
CURB, GUTTER, & SIDEWALK
STREET LIGHT
POWER POLE

LIST OF MATERIALS

FITTINGS ARE BASED ON THE USE OF STEEL PIPE. IF OTHER TYPE OF PIPE AND/OR JOINTS ARE MADE, THE LIST OF MATERIALS MUST REFLECT THE PROPER TYPE OF FITTINGS.

ITEM NO.	DESCRIPTION	ENGINEER'S "ESTIMATED" QUANTITIES — SHEET NUMBER 3	4	5		TOTAL	UNIT
1	6" DIA. HIGH-DENSITY POLYETHYLENE (HDPE) WATER PIPE, SDR 9.0 (PC 200 PSI), AWWA C-906, "PURPLE PIPE"	810	–	–	–	810	L.F.
2	8" DIA. POLY VINYL CHLORIDE (PVC) WATER PIPE, SDR 18, PC 150 PSI, AWWA C-900, "PURPLE PIPE"	456	–	–	–	456	L.F.
3	8–3/8" O.D. STEEL WATER PIPE, 0.219" WALL THK., C.M.L. & C.M.C.	–	70	10	–	80	L.F.
4	8"x"-8" TAPPING SLEEVE, W.L. (TO PVC – WITH REV. GLANDS), W/ 8" FLANGED OUTLET, CL-125, EPOXY LINED & POLY WRAPPED	–	1	–	–	1	EA.
5	8" TAPPING GATE VALVE, 200 PSI WOG, FLANGED END, CL-125, W/ ADJUSTABLE VALVE BOX (C.O.P. STD. NO. W-3)	–	1	–	–	1	EA.
6	8" 45° ELBOW, D.I., PR 350, FLANGED CL-125, C.M.L. & POLY WRAPPED	–	2	1	–	3	EA.
7	8" 90° ELBOW, D.I., PR 350, FLANGED CL-125, C.M.L. & POLY WRAPPED	1	–	–	–	1	EA.
8	8" 45° ELBOW, D.I., PR 350, FLANGED CL-125, C.M.L. & PAINTED	–	–	1	–	1	EA.
9	8" SLIP-ON WELDING FLANGE, STEEL, CL-150, C.M.C.	–	4	4	–	8	EA.
10	8"x 8"x 4" TEE, D.I., PR 350, MJ x MJ (TO PVC – WITH REV. GLANDS) x FLANGE CL-125, C.M.L. & POLY WRAPPED	–	1	–	–	1	EA.
11	1" AIR–RELEASE AND VACUUM VALVE ASSEMBLY, COMPLETE, (SEE COPOPW STD. No. PW-4), AS MODIFIED IN "ANY CONNECTION DETAIL" ON SHEET 4	1	–	1	–	2	EA.
12	8" FLANGED COUPLING ADAPTER, D.I., PR 300, PLG x MJ (TO STL), PLG, CL-125, EPOXY LINED & POLY WRAPPED	–	–	2	–	2	EA.
13	8" FLANGED COUPLING ADAPTER, STEEL, PLG x MJ (TO HDPE – WITH REV. GLANDS), PLG, CL-125, EPOXY LINED & POLY WRAPPED	1	1	1	1	4	EA.
14	8" FLANGED COUPLING ADAPTER, STEEL, PLG x MJ (TO PVC – WITH REV. GLANDS), PLG, CL-125, EPOXY LINED & POLY WRAPPED	–	1	–	–	1	EA.
15	8" TRANSITION COUPLING ADAPTER (PVC TO HDPE), STEEL, EPOXY LINED & POLY WRAPPED	–	1	–	–	1	EA.
16	FLUSHOUT ASSEMBLY, COMPLETE, (C.O.P. STD. NO. RW-3)	1	–	–	–	1	EA.
17	P.C.C. THRUST BLOCK (C.O.P. STD. NO. RW-8)	AS REQUIRED (EVEN IF NOT SHOWN)				AS REQUIRED	
18	BARRICADES, (C.O.P. STD. NO. RW-7)	8	–	4	–	12	EA.
19	10" x 8" REDUCER, D.I., PR 350, FLANGED CL-125, C.M.L. & PAINTED	–	–	1	–	1	EA.
20	ADJUSTABLE PIPE SUPPORT, (LACMWD STD. PLAN W-17)	–	–	2	–	2	EA.
21	REMOVE AND REPLACE EXISTING A.C. PAVEMENT AND AGGREGATE BASE PER C.O.P. STD. M-6.1	92	–	–	–	92	S.F.
22	6–1/2" O.D. STEEL FLANGED SPOOL, STD. WT. A.S.T. SMLS PIPE, F.F. CL-125, 12" LONG, W/ 1-1/2" BOLTED THREADED OUTLET AT 180 FROM S, C.M.L. & PAINTED	–	–	1	–	1	EA.
23	6" x 1-1/2" IRONSIZE SERVICE SADDLE W/ DOUBLE STAINLESS STEEL STRAPS FOR HDPE PIPE, W/ 1-1/2" THREADED OUTLET	1	–	–	–	1	EA.
24		–	–	–	–	–	EA.

GENERAL NOTES

1. WORK SHALL BE PERFORMED ACCORDING TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE EXCAVATION AND BUILDING CODE OF THE CITY OF PALMDALE, THE CITY OF PALMDALE ENGINEERING DESIGN STANDARDS AND ANY SPECIAL REQUIREMENTS OF THE PERMIT. OTHER REFERENCES ARE TO THE LATEST EDITIONS OF A.P.W.A. STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTIONS, LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD PLANS, AMERICAN WATER WORKS STANDARDS AND CALTRANS STANDARD PLANS.
2. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (PHONE NO. 661-267-5272) AT LEAST 48–HOURS BEFORE STARTING ANY WATER SYSTEM CONSTRUCTION TO BE PERFORMED HEREUNDER.
3. THE CONTRACTOR IS REQUIRED TO OBTAIN THE APPLICABLE CITY, COUNTY, OR CALTRANS ENCROACHMENT PERMIT FOR WATER SYSTEM FACILITIES.
4. ALL EXCAVATIONS FOR WATER SYSTEM CONSTRUCTION SHALL BE BACKFILLED, COMPACTED, AND FINISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE PERMIT.
5. THE MINIMUM COMPACTION REQUIREMENTS FOR ANY EXCAVATION ARE: 90% RELATIVE COMPACTION FROM SUBGRADE TO THE BOTTOM OF EXCAVATION.
6. THE CONTRACTOR SHALL CONTACT ALL OTHER UTILITIES FOR LOCATIONS OF THEIR EXISTING AND PROPOSED FACILITIES PRIOR TO EXCAVATIONS IN THIS AREA.
7. IF CHANGES IN THESE CONSTRUCTION PLANS ARE REQUIRED DUE TO FIELD CONDITIONS, WHICH ARE NOT SHOWN ON THE PLANS, SUCH PROPOSED CHANGES SHALL BE SUBMITTED, REVIEWED AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.
8. AS–BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY PRIOR TO THE ISSUANCE OF A NOTICE OF COMPLETION.

NOTE: STATIONING SHOWN ON THESE PLANS IS RELATIVE TO STREET CENTERLINE UNLESS OTHERWISE SHOWN.

BARRY S. DOMPE — No. C44094 — EXP. 6-30-13 — CIVIL — STATE OF CALIFORNIA

PLAN ENGINEERED FOR: CITY OF PALMDALE JN: 10083
BARRY S. DOMPE — 44094 R.C.E. — 6-30-13 EXP. DATE

Sunridge Valley Engineering Inc. 1518 Sunridge Lane, Suite 101, Palmdale, CA 93551

REVISIONS		
REVISED BY:	DATE:	REVISED BY: DATE:
APPROVED BY:	DATE:	APPROVED BY: DATE:

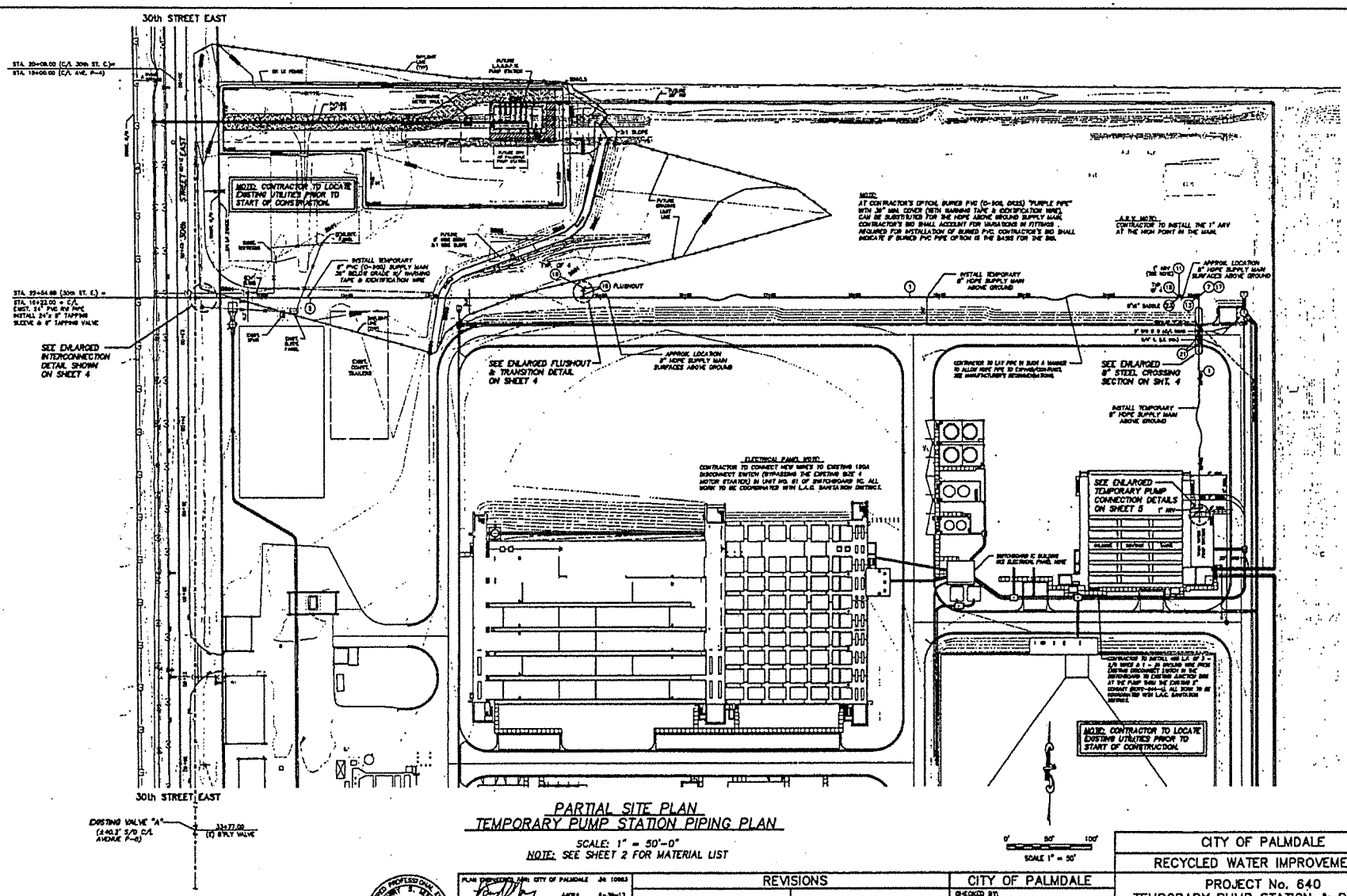
CITY OF PALMDALE
CHECKED BY:
CITY PROJECT MANAGER — 11/14/12 DATE

CITY OF PALMDALE
RECYCLED WATER IMPROVEMENTS
PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640 | DATE: 1-12-12 | SHEET 2 OF 5 SHEETS

PROJECT NO. 640

EXHIBIT A



PARTIAL SITE PLAN
TEMPORARY PUMP STATION PIPING PLAN

SCALE: 1" = 50'-0"

NOTE: SEE SHEET 2 FOR MATERIAL LIST

REGISTERED CIVIL ENGINEER — STATE OF CALIFORNIA — CIVIL — EXP. 9-30-13

PLAN PREPARED UNDER CITY OF PALMDALE JOB 10663

Antelope Valley Engineering Inc.

REVISIONS			
REVISED BY:	DATE:	REVISED BY:	DATE:
APPROVED BY:	DATE:	APPROVED BY:	DATE:

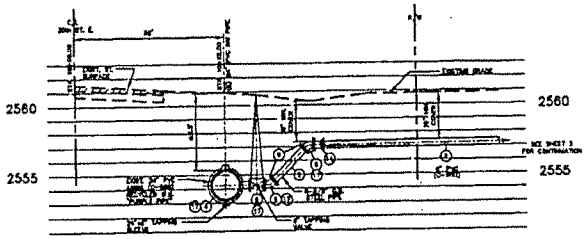
CITY OF PALMDALE
CHECKED BY:
CITY PROJECT MANAGER — DATE 11/8/12

CITY OF PALMDALE
RECYCLED WATER IMPROVEMENTS
PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640	DATE: 1-12-12	SHEET 3 OF 5 SHEETS

PROJECT NO. 640

EXHIBIT A



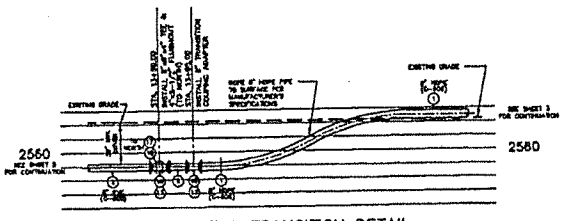
INTERCONNECTION DETAIL

NOT TO SCALE

SEE SHEET 2 FOR MATERIAL LIST
SEE INTERCONNECTION NOTE #1, HEREON
SEE SHEET 3 FOR LOCATION OF EXISTING VALVE "A".

INTERCONNECTION NOTE #1

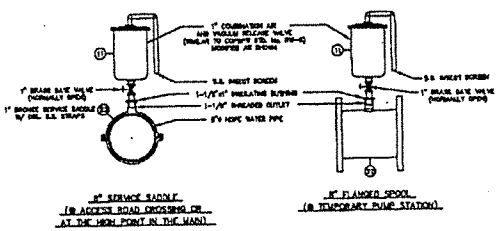
AFTER COMPLETING WITH GENERAL CONSTRUCTION NOTE 38 ON SHEET 3 OF THESE PLANS, WITHIN THE HCR SYSTEM HAS PASSED THE BACTERIOLOGICAL AND PRESSURE TESTS, THE CONTRACTOR, UNDER ANDWAY SUPERVISION SHALL INSTALL THE 24"x24" TAPPING SLEEVE & 6" TAPPING VALVE, AND "HOT-TAP" THE EXISTING 24" PVC RECYCLED "PURPLE PIPE" MAINMAIN FOR THE HCR 6" TEMPORARY SUPPLY MAIN, AND COMPLETE THE INTERCONNECTION AS SHOWN. THE TAPPING SCHEDULE SHALL BE SUBMITTED TO THE CITY INSPECTOR.



FLUSHOUT & TRANSITION DETAIL

NOT TO SCALE

SEE SHEET 2 FOR MATERIAL LIST



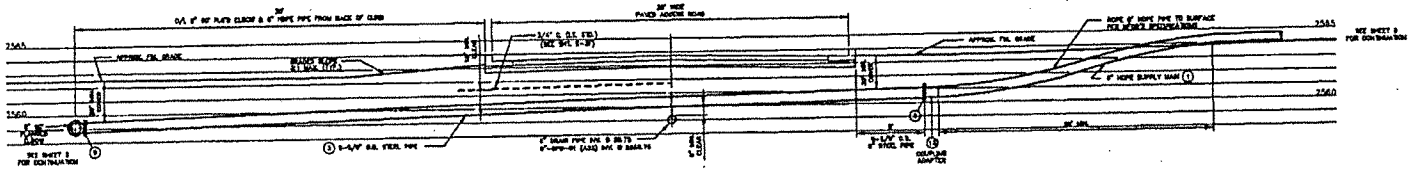
8" SERVICE SADDLE
(@ ACCESS ROAD CROSSING OR AT THE HIGH POINT IN THE MAIN)

8" FLANGED SPOOL
(@ TEMPORARY PUMP STATION)

ARV CONNECTION DETAIL

NOT TO SCALE

SEE SHEET 2 FOR MATERIAL LIST



8" STEEL CROSSING SECTION

NOT TO SCALE

SEE SHEET 2 FOR MATERIAL LIST

REGISTERED PROFESSIONAL ENGINEER
BARRY S. NEAL
C44094
EXP. 6-30-13
CIVIL
STATE OF CALIFORNIA

PLAN CHECKED FOR CITY OF PALMDALE JN: 10063

Antelope Valley Engineering, Inc.

REVISIONS			
REVISED BY:	DATE:	REVISED BY:	DATE:
APPROVED BY:	DATE:	APPROVED BY:	DATE:

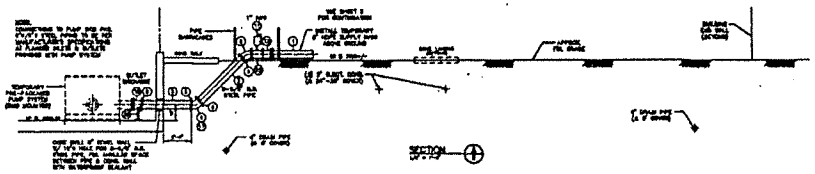
CITY OF PALMDALE
CHECKED BY:
CITY PROJECT MANAGER
DATE

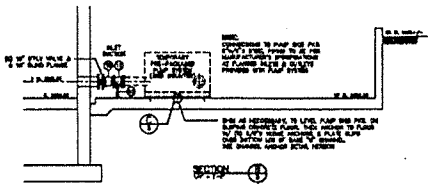
CITY OF PALMDALE
RECYCLED WATER IMPROVEMENTS
PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640	DATE: 1-12-12	SHEET 4 OF 5 SHEETS

PROJECT NO. 640

EXHIBIT

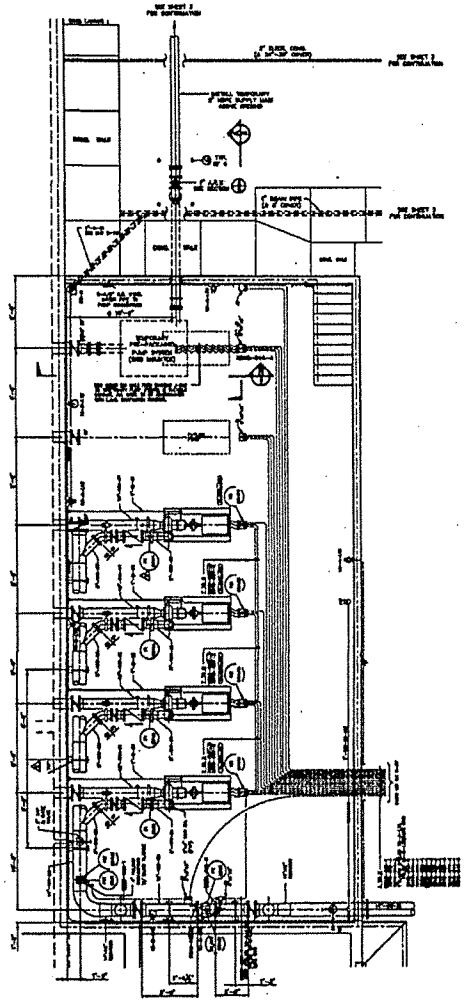






CHANNEL ANCHOR DETAIL

TEMPORARY PUMP STATION CONNECTION DETAILS



TEMPORARY PUMP STATION PLAN

SCALE 1" = 8'-0"

BASIC PUMP SIZE SPECIFICATIONS:

1. PUMP A (PRESSURE MAINTENANCE) 20 – 40 GPM @ 100 PSI
   PUMP B (MAIN PUMP) 400 GPM @ 100 PSI VARIABLE SPEED.
2. PUMP A (MAIN PUMP) 350 GPM @ 150 PSI VARIABLE SPEED
   PUMP B (MAIN PUMP) 350 GPM @ 150 PSI VARIABLE SPEED
3. 480V POWER, 3Ø, 60 Hz, 15/ 100A MAIN DISCONNECT.
4. STANDARD ENERGY EFFICIENT MOTORS.
5. EXPOSED PIPING 2-1/2" AND SMALLER SHALL BE PROTECTED FROM FREEZING TO THE SATISFACTION OF THE OWNER. INSULATION AND/OR HEAT TRACING MAY BE REQUIRED.
6. WIRELESS ALARM CONDITION NOTIFICATIONS (WILL NEED TO COORDINATE WITH THE CITY UTILITY SERVICES DIVISION FOR PHONE NUMBER(S) FOR ALARMS).
   A. LOW SUCTION PRESSURE
   B. MOTOR FAILURE
   C. VFD FAULT
   D. PUMP FAILURE
   E. HIGH PRESSURE SHUT DOWN
7. ALL ELECTRICAL EQUIPMENT/PANELS SHALL BE NEMA 3R OR 4.
8. MANUFACTURER TO PROVIDE START-UP, TESTING, TURNOVER & TRAINING OF CITY PERSONNEL.
9. SURGE PROTECTION IN CASE OF A FULL CAPACITY POWER FAILURE SHALL BE PROVIDED. SURGE PROTECTION MAY CONSIST OF A SURGE ANTICIPATOR VALVE, A SURGE TANK OR OTHER APPROVED METHODS.
10. HIGH PRESSURE PROTECTION (PRESSURE RELIEF SET AT 10% ABOVE THE OPERATING POINT).
11. FLOW METER WITH INDICATION (GPM) AND TOTALIZER (OF 4 DIGIT).
12. BALANCING VALVES ON BOTH SIDES OF EACH PUMP.
13. ANTI-SLAM CHECK VALVE ON EACH PUMP DISCHARGE.

REGISTERED PROFESSIONAL ENGINEER — BRENT S. MINK — C41694 EXP. 6-30-13 — CIVIL — STATE OF CALIFORNIA

PLAN DEVELOPED FOR: CITY OF PALMDALE JN: 10063

REVISIONS		CITY OF PALMDALE
REVISED BY: DATE:	REVISED BY: DATE:	CHECKED BY:
APPROVED BY: DATE:	APPROVED BY: DATE:	CITY PROJECT MANAGER DATE

CITY OF PALMDALE

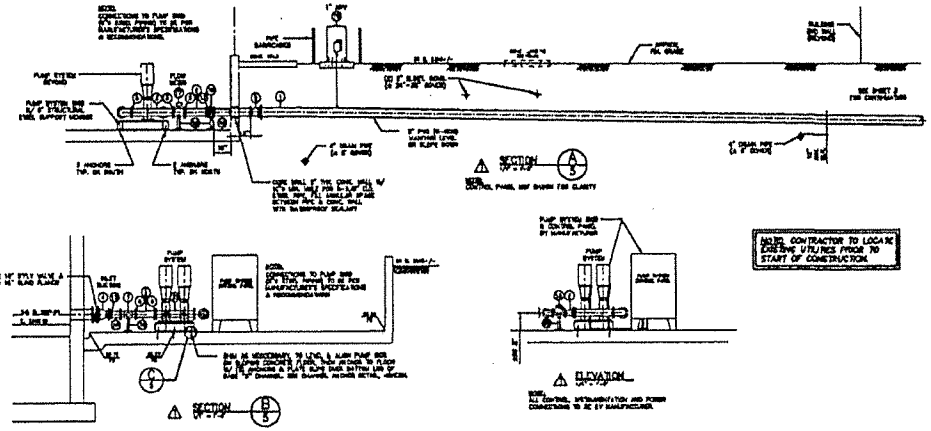
RECYCLED WATER IMPROVEMENTS

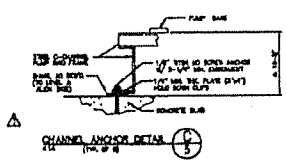
PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640	DATE: 1-12-12	SHEET 5 OF 5 SHEETS

PROJECT NO. 640

EXHIBIT A





CHANNEL ANCHOR DETAIL

TEMPORARY PUMP STATION CONNECTION DETAILS

SEE MATERIAL LIST, ABOVE

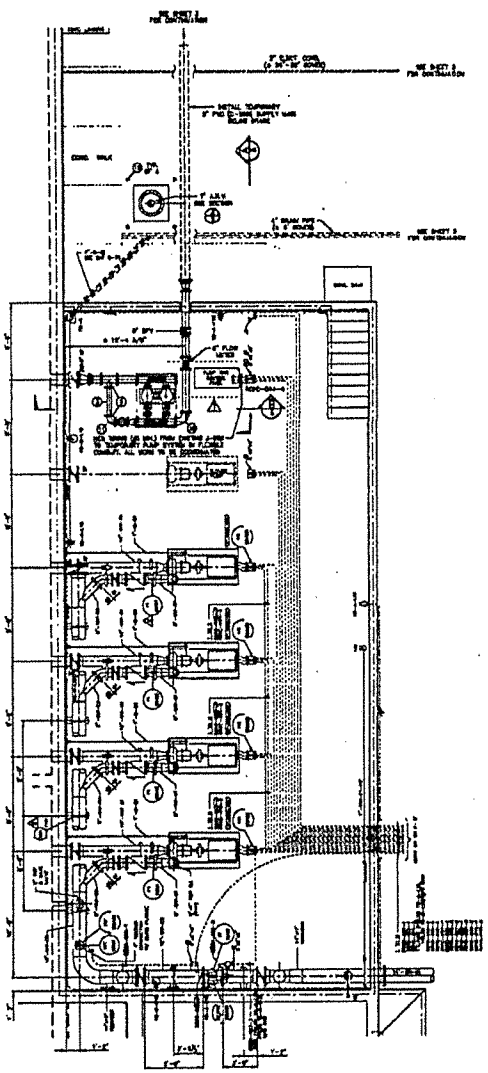
BASIC PUMP SIZE SPECIFICATIONS:

1. PUMP 1 (PRESSURE MAINTAINING) 35 – 60 GPM @ 150 PSI
   PUMP 2 (MAIN PUMP) 400 GPM @ 135 PSI VARIABLE SPEED
   OR
   PUMP 1 (MAIN PUMP) 300 GPM @ 135 PSI VARIABLE SPEED
   PUMP 2 (MAIN PUMP) 300 GPM @ 135 PSI VARIABLE SPEED
2. 480V POWER, 3Ø, 60 Hz, W/ 100A MAIN DISCONNECT.
3. STANDARD ENERGY EFFICIENT MOTORS.
4. EXPOSED PIPING 3-1/2" AND SMALLER SHALL BE PROTECTED FROM FREEZING TO THE SATISFACTION OF THE OWNER. INSULATION AND/OR HEAT TRACING MAY BE REQUIRED.
5. WIRELESS ALARM CONDITION NOTIFICATIONS (WILL NEED TO COORDINATE WITH THE CITY UTILITY SERVICES DIVISION FOR PHONE NUMBERS) FOR ALARMS:
   A. LOW SUCTION PRESSURE
   B. VFD FAULT
   C. HIGH PRESSURE SHUT DOWN
   D. POWER FAILURE
   E. PUMP FAILURE
6. ALL ELECTRICAL EQUIPMENT/PANELS SHALL BE NEMA 3R OR 4.
7. MANUFACTURER TO PROVIDE START-UP, TESTING, TURNOVER & DRAWING OF CITY PERSONNEL.
8. SURGE PROTECTION IN CASE OF A FULL CAPACITY POWER FAILURE SHALL BE PROVIDED. SURGE PROTECTION MAY CONSIST OF A SURGE ANTICIPATOR VALVE, A SURGE TANK OR OTHER APPROVED METHODS.
9. HIGH PRESSURE PROTECTION (PRESSURE RELIEF SET AT 10% ABOVE THE OPERATING POINT).
10. FLOW METER WITH INDICATOR (GPM) AND TOTALIZER (OF 6 10").
11. ISOLATION VALVES ON BOTH SIDES OF EACH PUMP.
12. ANTI-SLAM CHECK VALVE ON EACH PUMP DISCHARGE.

⚠ REVISED LIST OF MATERIALS (THIS SHEET ONLY)

FITTINGS ARE BASED ON THE USE OF STEEL PIPE. IF OTHER TYPE OF PIPE AND/OR JOINTS ARE MADE, THE LIST OF MATERIALS MUST REFLECT THE PROPER TYPE OF FITTINGS.

ITEM NO.	DESCRIPTION	EXTRA FOR FITTINGS AND CONNECTIONS (SEE NOTE 1)		TOTAL	UNIT
		#			
1	6" DIA. POLY VINYL CHLORIDE (PVC) WATER PIPE, SDR 18, PC 150 PSI, AWWA C-900, "PURPLE PIPE"	--	--	--	L.F.
2	8-5/8" O.D. STEEL WATER PIPE, 0.36" WALL THK., C.M.L. & PAINTED	8	--	8 8	L.F.
3	4-1/2" O.D. STEEL WATER PIPE, 0.237" WALL THK., C.M.L. & PAINTED	2	--	8 2	L.F.
4	10" x 8" REDUCER, FLANGED, STEEL, STD. WT., FLG CL-125, C.M.L. & PAINTED	1	--	1	EA.
5	8" x 6" REDUCER, STEEL, STD. WT., PLN. (CL-125) x MJ (90 PVC), C.M.L. & C.M.C.	1	--	1	EA.
6	8" x 6" REDUCER, FLANGED, STEEL, STD. WT., FLG CL-125, C.M.L. & PAINTED	1	--	1	EA.
7	8"x 6"x 4" TEE, FLANGED, STEEL, STD. WT., FLG CL-125, C.M.L. & PAINTED	1	--	1	EA.
8	8" SLIP-ON WELDING FLANGE, STEEL, CL-150, PAINTED	8	--	8	EA.
9	6" SLIP-ON WELDING FLANGE, STEEL, CL-150, PAINTED	2	--	2	EA.
10	8" LONG RADIUS 90° ELBOW, FLANGED, STEEL, STD. WT., FLG CL-125, C.M.L. & PAINTED	1	--	1	EA.
11	4" 90° ELBOW, FLANGED, STEEL, STD. WT., FLG CL-125, C.M.L. & PAINTED	1	--	1	EA.
12	BARRICADES, (C.O.P. STD. NO. 828-7)	4	--	4	EA.
13	8" FLEXIBLE COUPLING EXPANSION JOINT, STEEL, STD. WT., FLG (CL-125) x MJ (90 PVC), EXPLOSION PROOF, C.M.L. & PAINTED	2	--	2	EA.
14	8"x 6" DIA. STEEL SPOOL, STD. WT. 0.28 WALL THK., FLANGED @ 1 END, FLG. CL-150, 11" LONG, C.M.L. & PAINTED	1	--	1	EA.
15	6"x 4" DIA. STEEL FLANGED SPOOL, STD. WT. 0.28 WALL THK., FLG CL-125, 28" LONG, C.M.L. & C.M.C. (PAINTED WHEN INSTALLED)	1	--	1	EA.
16	6" BUTTERFLY VALVE, LUG STYLE AND 300# CLASS, W/ NOTCHED PLATE HANDLE	1	--	1	EA.
17	8" POST INDICATOR, (SITE COORDINATION, FLANGED @ 1 END, NON RISING STEM, INDICATOR – OPEN, BUILDING – STATION, TRENCH, MAY ALSO BE REMOTE READOUT (CABLE MOUNTED), OR APPROVED EQUAL)	1	--	1	EA.
18	8" SURGE ANTICIPATOR & PRESSURE RELIEF CONTROL VALVE, FLANGED CL-125, DEMAND 735 GPM, OR APPROVED EQUAL (MANUFACTURER TO MODIFY, SIZE AS REQUIRED)	1	--	1	EA.
19	1" AIR RELEASE AND VACUUM VALVE ASSEMBLY, COMPLETE (SEE CONSPEC STD. No. 828-6), AS SHOWN IN DRY CONNECTION DETAIL ON SHEET 3	1	--	1	EA.
20	ADJUSTABLE PIPE SUPPORT, (LACFWD STD. PLAN B-17)	4	--	4	EA.
21	PUMP CONTROLLER, DUAL PUMP, ELECTRICAL SKID, 2 PUMP ALARM, 480V, 60Hz, 3Ø, 150 PSI, 400 GPM, (SUBJECT TO APPROVED EQUIVALENT PER BASIC PUMP SPECIFICATIONS, ABOVE)	1	--	1	EA.
22					



TEMPORARY PUMP STATION PLAN

SCALE 1" = 5'-0"

REGISTERED PROFESSIONAL ENGINEER — BRENT S. ROGERS — C44034 EXP. 6-30-13 — CIVIL — STATE OF CALIFORNIA

PLAN PREPARED FOR CITY OF PALMDALE JN 10083

Antelope Valley Engineering Inc. 120 WEST FOURTH STREET, SUITE 1-E, BEAUMONT, CA 92223 (951) 845-2566

REVISIONS		CITY OF PALMDALE
⚠ ADDED PIPING DETAILS AND MATERIALS OF PUMP SYSTEM BOD		CHECKED BY:
REVISED BY: DATE: 5/31/12	REVISED BY: DATE:	CITY PROJECT MANAGER 7/11/12 DATE
APPROVED BY: DATE:	APPROVED BY: DATE:	

CITY OF PALMDALE

RECYCLED WATER IMPROVEMENTS

PROJECT No. 640
TEMPORARY PUMP STATION & PIPELINE
PALMDALE WATER RECLAMATION PLANT
BID SET

PROJECT NO. 640	DATE: 2-18-12	SHEET 5 OF 5 SHEETS

EXHIBIT A

PALMDALE RECYCLED WATER AUTHORITY

BOARD MEMORANDUM

DATE:	May 10, 2018	**May 21, 2018**
TO:	BOARD OF DIRECTORS	**Board Meeting**
FROM:	Michael Williams, Treasurer-Auditor, PRWA	
VIA:	Mr. Dennis LaMoreaux, Executive Director, PRWA	

RE: AGENDA ITEM NO 6.2 – CONSIDERATION AND POSSIBLE ACTION ON RESOLUTION NO. PRWA 2018-002 AUTHORIZING THE ADOPTION OF THE PALMDALE RECYCLED WATER AUTHORITY 2017 BUDGET

Recommendation:

Palmdale Recycled Water Authority (PRWA) staff recommends approving the 2017 budget as presented in the 2017 Budget Document and approve Resolution No. PRWA 2018-002 authorizing the adoption of the Palmdale Recycled Water Authority 2017 Budget.

Background:

Article 5.5 of the PRWA formation agreement requires the Board to adopt an annual budget for the Authority's activities by January 1 of each succeeding year. Through an oversight with personnel changes the budget for 2017 was not adopted. The approval of the 2017 Budget is required in order to be in compliance with the agreement.

The 2017 Budget is based on actuals and highlights revenue from water sales and member contributions. The budget also outlines expenditures such as consulting services, training, recycled water purchases, and general operation.

As outlined in the Joint Powers Agreement Section 14.11, a line item has been included for the ability to compensate the 5th Board Member of the Authority for attendance at regular meetings. This line item is funded from revenues generated from recycled water sales.

Financial Impact:

As set forth in the 2017 Budget Document, the calendar year results in $887,838 in unappropriated reserves. Member agency contributions, water sales, and grants constitute the 2017 revenue at $308,808. The expenses were $62,329 which includes $22,647 in contracted professional services and water purchases of $14,789.

Supporting Documents:

Resolution No. PRWA 2018-002
2017 Budget Document.

RESOLUTION NO. PRWA 2018-002

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE RECYCLED WATER AUTHORITY AUTHORIZING THE ADOPTION OF THE PALMDALE RECYCLED WATER AUTHORITY 2017 BUDGET

WHEREAS, The Palmdale Recycled Water Authority has identified the need for a 2017 Budget, and

WHEREAS, The Palmdale Recycled Water Authority Board reviewed the Budget for calendar year 2017, and

WHEREAS, the Palmdale Recycled Water Authority considered the budget as submitted and made all changes and amendments thereto which said Authority, desired to make therein; and

WHEREAS, individual project costs have been proportionately budgeted to the respective project areas based upon the benefit attributable to the targeted project area including improving inadequate public improvements and public facilities, improving and correcting depreciated values; and,

PROPOSED

WHEREAS, the Palmdale Recycled Water Authority has heretofore raised sufficient revenues to finance and balance said budget.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Palmdale Recycled Water Authority:

SECTION 1: The original of the Budget of the Palmdale Recycled Water Authority shall be placed on file in the office of the Authority Clerk and shall be open to public inspection.

SECTION 2: The Palmdale Recycled Water Authority hereby approves all of the adjustments to the calendar year 2017 revenues and expenditures as presented in the calendar year 2017 budget document.

SECTION 3: The Budget of the Palmdale Recycled Water Authority is hereby approved and adopted. In adopting said budget the Authority Board approved the specified amounts for each of the various programs and accounts set forth.

SECTION 4: The Authority Treasurer is hereby authorized and instructed to take all steps necessary to implement this resolution in accordance with the provisions of the budget document.

SECTION 5: Without prior approval of the Authority Board, the Executive Director shall have authority to transfer up to $25,000 from program to program, except for shifts in appropriations relating to personnel. Any transfer of more than such amount shall be approved by the Authority Board.

SECTION 6: The Authority Treasurer, with the approval of the Executive Director shall approve the Encumbrances and Continuing Appropriations from the Authority's budget for calendar year 2017.

SECTION 7: The Budget for calendar year 2017, as submitted, amended, modified, revised, corrected, adopted, and filed by the Authority shall be the calendar year 2017 Budget for the Palmdale Recycled Water Authority. The Budget is subject to the requirements of Article XIII B of the California Constitution.

SECTION 8: The Clerk of the Authority shall certify to the adoption of this Resolution and enter it into the official records of the Authority.

PASSED, APPROVED and ADOPTED this 21st day of May, 2018, by the following vote:

AYES:_____

NOES:_____

ABSTAIN:_____ ABSENT:_____

PROPOSED

_____
Austin Bishop, Chair

ATTEST:

_____
Rebecca Smith,
Authority Secretary

Approved as to form:

_____
Eric Dunn,
Authority Counsel

PALMDALE RECYCLED WATER AUTHORITY

Proposed Budget - CY 2018

	CY 2013 ACTUAL	CY 2014 ACTUAL	CY 2015 ACTUAL	CY 2016 ACTUAL	CY 2017 ACTUAL
Revenues:					
Contribution - Palmdale Water District	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000
Contribution - City of Palmdale	100,000	100,000	100,000	100,000	100,000
Revenue - Water Sales	-	31,625	102,654	59,472	28,748
Revenue - Meter Fees	-	-	10,355	31,775	22,812
Revenue - Miscellaneous Fees	-	-	708	112	-
Grants	-	-	-	19,418	55,582
Interest Earnings	35	130	469	1,051	1,667
Total Revenue	$ 200,035	$ 231,755	$ 314,186	$ 311,828	$ 308,808
Expenses:					
Public Representative - Meetings & Travel	$ -	$ -	$ -	$ 750	$ 1,830
Payroll Tax Expense (Employer)	-	-	-	57	80
Banking Fees	-	-	-	-	424
Provision for Bad Debt	-	-	-	-	695
Insurance	-	-	-	-	-
Memberships	-	-	2,552	2,552	2,408
Marketing & Outreach	1,496	7,302	7,341	5,922	-
Travel & Meetings	-	-	1,859	-	595
Permits & Fees	-	-	3,815	-	76
Purchased Water	9,052	18,077	16,228	20,143	14,789
Materials & Supplies	-	-	12,656	-	2
Maint. & Rep. - Water System	-	-	9,393	-	9,783
Contract Services - Professional Services	58,646	75,141	46,347	90,891	22,647
Contract Services - Financial Audit	-	7,500	8,725	10,000	9,000
Total Expenses	$ 69,194	$ 108,020	$ 108,916	$ 130,315	$ 62,329
					Net Income/(Expense):
Net Position at December 31	$ 130,841	$ 254,576	$ 459,846	$ 641,359	$ 887,838

THERE IS NO STAFF REPORT FOR THIS ITEM

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