

**MOORPARK CITY COUNCIL
AGENDA REPORT**

TO: Honorable City Council

FROM: Hugh R. Riley, Assistant City Manager 
Dave Klotzle, City Engineer/Public Works Director 

BY: Ky Spangler, Special Projects Consultant 

DATE: October 19, 2011 (CC Meeting of 11/2/11)

SUBJECT: Consider Amendment No. 2 and No. 3 to Construction Agreement with John S. Bascom, Inc. dba Precision Plumbing-Mechanical for Additional Work to Install an Offsite Storm Drain Connection for the Ruben Castro Human Services Center on Spring Road

BACKGROUND & DISCUSSION

The Ruben Castro Human Services Center Commercial Planned Development Project (Project) was approved by the City Council on May 21, 2008. The Project was bid as a multiple-prime construction project with construction management provided by Barnhart Balfour-Beatty. Bids from prime contractors were received in October, 2010, and fourteen trade contracts were awarded by the City Council on January 19, 2011. Concurrently with the award of the trade contracts, the City Council also approved a \$2,700,000 Special Projects Fund loan for the Project.

The contract for Site Utilities and Building Plumbing was awarded to John S. Bascom, Inc., dba Precision Plumbing-Mechanical (Precision Plumbing) in the amount of \$767,223 plus a ten percent contingency. To date, Amendment No. 1 in the amount of \$13,242 for removal of an existing waterline has been issued. Precision Plumbing's total contract amount is presently \$780,465.

Grading of the Project site commenced in February, 2011, with heavy rains experienced throughout March. These rain storms revealed the existing drainage conditions where water flows off of the Union Pacific Railroad property to the north, ponds along the Project boundary, then spills across the sidewalk and onto Spring Road. Prior to the Project grading operations, the storm water drainage ponded and spread out over the site and seeped into the undeveloped ground without causing the current problem of

drainage onto Spring Road. A storm drain connection from Spring Road to the Project is necessary to pick up storm water flows from the Railroad property and the Project.

During the design phase of the Project, HMC Architects and the Project Civil Engineer, AMEC, LLC, were directed by the previous City Engineer/Public Works Director not to provide a storm drain connection in Spring Road; instead, storm water was to be conveyed by surface drainage means only. The rains experienced at the beginning of construction demonstrated that the previously approved design is problematic.

Field and engineering research was conducted to collect data, and analyze the source and possible solutions to the drainage conditions. The Project survey consultant collected and mapped topography data, and RJR Engineering was engaged by the City to analyze the survey results and prepare two offsite storm drain alignment alternatives for a storm drain connection to Spring Road.

The two alternatives include: 1) extension of a storm drain pipe southward on the east side of Spring Road with a connection to an existing storm drain at the intersection of Flinn Avenue and Spring Road (Attachment 1); and, 2) extension of a storm drain pipe from the Project across Spring Road with a connection to an existing reinforced concrete box drain on the west side of the street (Attachment 2). Both alternatives would include installation of pipe under the existing Police Services Center driveway and a catch basin on the driveway's south side. This new catch basin will improve the drainage of Spring Road in this area which tends to be a problem when it rains. To reach the new connection point, a storm drain pipe would be added to the Project site design by the Project Civil Engineer, AMEC, to convey water from the north side of the site to the proposed offsite storm drain in Spring Road.

Since the Project is already well under construction and this storm drain connection would provide a more suitable drainage alternative to the site (as well as alleviate existing drainage issues on Spring Road), the design alternatives prepared by RJR Engineering were provided to Precision Plumbing for submission of preliminary cost proposals for construction of the Spring Road storm drain connection. However, as this work is beyond the scope of Precision Plumbing's contract price, this work would require an amendment to their contract separate from the ten percent contingency amount (\$76,722) included as part of their contract.

The preliminary cost proposals (Attachments 3 and 4) submitted by Precision Plumbing for construction of Alternatives #1 and #2 are shown below:

Alternative #1 (connection at Flinn Ave. & Spring Rd.):	\$241,736.71
Alternative #2 (connection on west side of Spring Rd):	\$143,946.49

Based on a review of the proposed alternative designs and associated pricing, staff recommends Alternative #2. Staff also recommends that an asphalt overlay of the northbound lanes of Spring Road from Flinn Avenue to just south of the railroad be

included with the offsite storm drain installation project. The asphalt overlay will further improve the drainage of storm water on this segment of Spring Road. The cost for the asphalt overlay is estimated to be \$50,000.

In order for RJR Engineering to complete construction drawings for this alternative, additional field work is required to pothole the existing infrastructure and obtain existing utility elevations. Precision Plumbing has submitted a proposal in an amount not-to-exceed \$35,000 for potholing the existing utilities associated with Alternative #2.

Separate amendments for the potholing and storm drain and asphalt overlay construction are required since the potholing must be done first under Amendment No.2 to determine the final storm drain design. The storm drain and asphalt overlay construction cost will be refined under Amendment No. 3 based on the final design.

The following figure illustrates the additional fee proposal necessary for the potholing and construction of the offsite storm drain connection and overlay:

Total current contract through Amendment No. 1	\$780,465
<u>Amendment No. 2</u>	
Task #1 – Potholing existing utilities for Alternative #2	\$35,000
<u>Amendment No. 3</u>	
Task #2 – Preliminary construction cost of Storm Drain Alternative #2	\$143,946
Task #3 – Asphalt Overlay, northbound Spring Road	\$50,000
20% Contingency for final design	<u>\$39,000</u>
Total Amendment No. 3 Amount	\$232,946
Total New Contract Amount	\$1,048,411

FISCAL IMPACT

The adopted Fiscal Year 2011/12 Capital Improvement budget for the Ruben Castro Human Services Center Project (Project 5020) includes a \$2,700,000 loan from the Special Projects Fund 4004, \$1,771,941 of which is currently encumbered by the

Project. There is \$918,915 of unencumbered funds in the current project budget to pay the proposed \$268,000 increase.

STAFF RECOMMENDATION (ROLL CALL VOTE)

1. Approve a storm drain connection in Spring Road for the Ruben Castro Human Services Center using proposed Storm Drain Alignment #2.
2. Authorize the City Manager to execute Amendment No. 2 and No. 3 to the construction agreement with Precision Plumbing-Mechanical in an amount of not-to-exceed \$35,000 and \$233,000 respectively subject to final language approval by the City Manager and City Attorney.

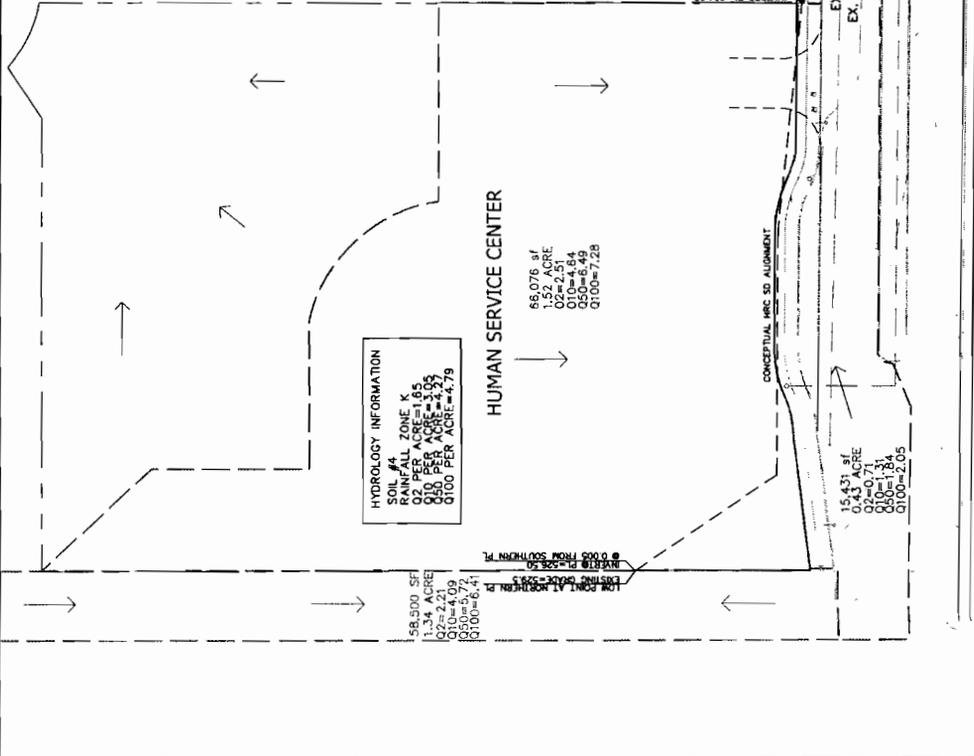
- Attachment 1: Proposed Storm Drain Alignment Alternative #1
Attachment 2: Proposed Storm Drain Alignment Alternative #2
Attachment 3: Cost Proposal for Construction of Storm Drain Alignment Alternative #1
Attachment 4: Cost Proposal for Construction of Storm Drain Alignment Alternative #2
Attachment 5: Proposed Second Agreement Amendment to Agreement with Precision Plumbing-Mechanical

PROJECT SUMMARY:

1. INSTALL ONE 10' CATCH BASIN SOUTH OF THE CHP DRIVEWAY AND RUN A 24" SD (87') TO THE WEST CORNER OF THE HUMAN SERVICE CENTER PROPERTY.
2. INSTALL 468 L.F. OF 24" RCP PER THE ALIGNMENT BELOW.
3. JOIN THE EXISTING 24" RCP LATERAL SOUTH OF FLINN AVENUE.
4. POTENTIAL CROSSINGS HAVE BEEN IDENTIFIED BELOW, 1 GAS, 1 WATER LATERAL, 1 WATER SERVICE AND 1 SEWER LATERAL.

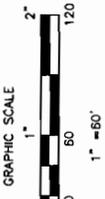
CONSTRUCTION QUANTITIES:

- One 10' Catch Basin.
- 468 LF OF 24" RCP.
- ONE 90 JUNCTION STRUCTURE
- ONE PIPE TO PIPE JUNCTION STRUCTURE
- FIVE POTENTIAL CROSSINGS/RELOCATIONS, TELEPHONE GAS, WATER LATERAL, WATER SERVICE AND SEWER LATERAL.
- TRAFFIC CONTROL
- BACKFILL AND PAVING OF TRENCH
- REPLACEMENT OF CURB RETURNS, SPANDREL, SIDEWALK AND HC RAMP.



PROPOSED STORM DRAIN ALIGNMENT 1

HUMAN SERVICE CENTER
 SPRING ROAD AND FLINN AVENUE
 MOORPARK, CALIFORNIA



RJR ENGINEERING GROUP
 Planning - Civil Engineering - Flood Control/Hydrology
 Geotechnical Engineering - Geology - Water Resources - Environmental
 3500 Camino Ave., Suite 200, Danard, CA 93030
 (805) 485-3935 (805) 485-6496 FAX
 E-mail: rjr@rjeng.com



Prepared by:

ATTACHMENT I

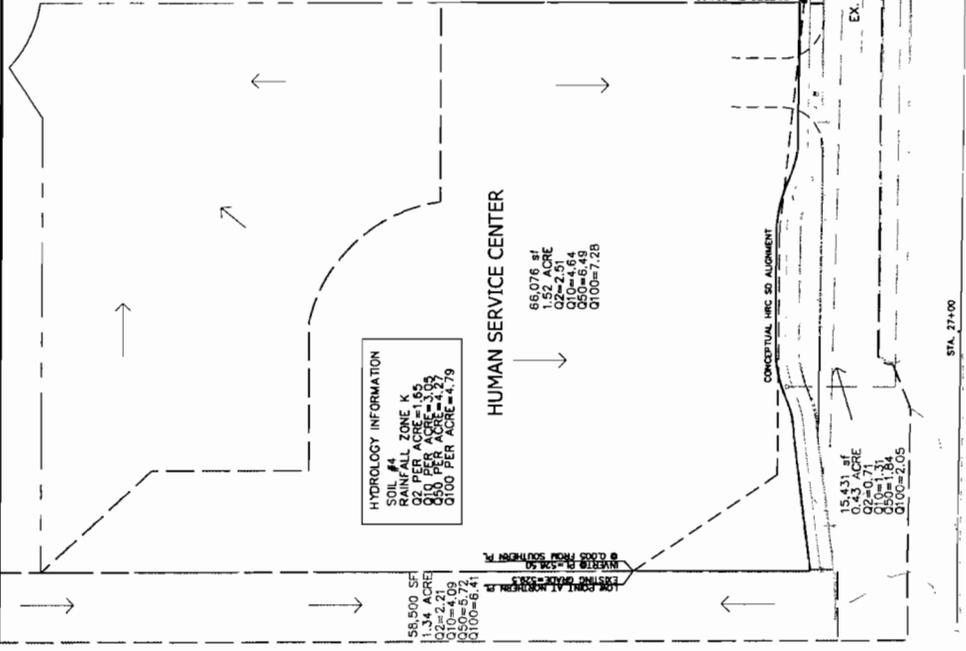
PROJECT SUMMARY:

1. INSTALL ONE 10' CATCH BASIN SOUTH OF THE CHP DRIVEWAY AND RUN A 24" SD (78') TO THE SOUTHWEST CORNER OF THE HUMAN SERVICE CENTER PROPERTY.
2. INSTALL 71 L.F. OF 24" RCP PER THE ALIGNMENT BELOW.
3. JOIN THE EXISTING 6'X3.75" RCB STORM DRAIN LINE RUNNING DOWN THE WEST SIDE OF SPRING RD.
4. POTENTIAL CROSSINGS HAVE BEEN IDENTIFIED BELOW, 1 GAS, 1 TELEPHONE, 1 WATER SERVICE AND 1 WATER MAIN.

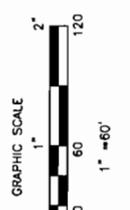
CONSTRUCTION QUANTITIES:

- 1-10' Catch Basin.
- 71 LF OF 24" RCP.
- ONE PIPE TO BOX JUNCTION STRUCTURE
- FOUR POTENTIAL CROSSINGS/RELOCATIONS, WATER MAIN, WATER SERVICE, TELEPHONE AND GAS.
- TRAFFIC CONTROL
- REPLACE MEDIAN CURB AND LANDSCAPING
- REPLACE WESTERN CURB AND SIDEWALK AT JUNCTION
- BACKFILL AND PAVING OF TRENCH
- REPLACEMENT OF CURB RETURNS, SPANDREL, SIDEWALK AND HC RAMP.

CALIFORNIA HIGHWAY PATROL OFFICE



RJR ENGINEERING GROUP
 Planning-Civil Engineering-Flood Control/Hydrology
 Geotechnical Engineering-Grading-Water Resources-Environmental
 3500 Camino Ave., Suite 200, Oxnard, CA 93030
 (805) 485-3935 (805) 485-6496 FAX
 E-mail: rjr@rjring.com



PROPOSED STORM DRAIN ALIGNMENT 2
 HUMAN SERVICE CENTER
 SPRING ROAD AND FLINN AVENUE
 MOORPARK, CALIFORNIA

EQUIPMENT / SUBCONTRACTORS:

QTY	DESCRIPTION	UNIT PRICE	TOTAL
1	R-Help - Regular Hours (please see attached breakdown)	\$203,420.00	\$203,420.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SUBTOTAL: \$203,420.00

LABOR:

QTY.	DESCRIPTION	UNIT PRICE	TOTAL
20	Foreman for supervision as required - Regular Hours	\$708.24	\$14,164.80
	based on a 20 working days.		\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SUBTOTAL: \$14,164.80

SUBTOTAL OF ALL SECTIONS: \$217,584.80

10% M/U \$21,758.48

1% BOND PREMIUM \$2,393.43

TOTAL: \$241,736.71

EQUIPMENT / SUBCONTRACTORS:

QTY	DESCRIPTION	UNIT PRICE	TOTAL
1	R-Help - Regular Hours (please see attached breakdown)	\$115,400.00	\$115,400.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SUBTOTAL: \$115,400.00

LABOR:

QTY.	DESCRIPTION	UNIT PRICE	TOTAL
20	Foreman for supervision as required - Regular Hours	\$708.24	\$14,164.80
	based on a 20 working days.		\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

SUBTOTAL: \$14,164.80

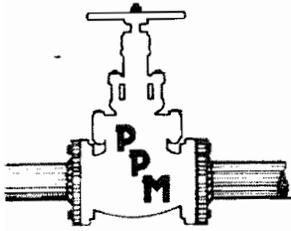
SUBTOTAL OF ALL SECTIONS: \$129,564.80

10% M/U \$12,956.48

1% BOND PREMIUM \$1,425.21

TOTAL: \$143,946.49

R-HELP CONSTRUCTION CO., INC.						
3255 Grande Vista Drive Newbury Park, California 91320 Lic. No.673147			PHONE: (805) 499-5112 FAX: (805) 375-2577 MBE Cert. No.9787			
P R O P O S A L						
Agency: Precision Plumbing ATTN: Daniel Bascom Ph (805)529-4748 Fx(805)529-5433 e-mail:			Project: Ruben Castro Human Services Center Location: 612 Spring Road Moorpark CA Spec. No. Bid No. B11-67 Date: 11/28/2011 roberto@rhelp.net			
ITEM	DESCRIPTION	U/M	QTY	UNIT	TOTAL	Notes:
Alignment 1 - Join Ex. RCP South of Flinn Ave.						
1A	Traffic Control	LS	1	20,000.00	20,000.00	
2A	Storm Water Pollution Control Program	LS	1	3,000.00	3,000.00	
3A	10' Catch Basin Including Local Depression	EA	1	12,000.00	12,000.00	
4A	24" RCP include Excavate, Backfill & Asphalt Repair	LF	544	280.00	152,320.00	
5A	Pipe to Pipe Junction Structure (24" to 24")	EA	1	7,500.00	7,500.00	
6A	Replacement of PCC Curb Return (CHP Driveway)	LS	1	3,500.00	3,500.00	
7A	Replacement of PCC Spandrel (CHP Driveway)	LS	1	5,100.00	5,100.00	
Alignment 1 Total =						203,420.00
Alignment 2 - Join Ex. RCB on West Side of Spring Road						
1B	Traffic Control	LS	1	20,000.00	20,000.00	
2B	Storm Water Pollution Control Program	LS	1	3,000.00	3,000.00	
3B	10' Catch Basin Including Local Depression	EA	1	12,000.00	12,000.00	
4B	24" RCP include Excavate, Backfill & Asphalt Repair	LF	150	350.00	52,500.00	
5B	Pipe to RCB Junction Structure (24" to 6"x3.75")	EA	1	11,000.00	11,000.00	
6B	Replacement of PCC Curb Return (CHP Driveway)	LS	1	3,500.00	3,500.00	
7B	Replacement of PCC Spandrel (CHP Driveway)	LS	1	5,100.00	5,100.00	
8B	Rep. of PCC Median Curb, Landscaping & Irrigation	LS	1	5,300.00	5,300.00	
9B	Rep. of PCC Curb, Gutter, Swalk (West Side of Spring)	LS	1	3,000.00	3,000.00	
Alignment 2 Total =						115,400.00
Qualifications/Exclusions:						
1	Not Included: Relocation of Ex. Utilities ; Bond ; Inspection Fees ; Permits.					
2	Allow 20 Working Days for Construction					
3						
4						
5						
6						
CO.	SUBMITTED BY: R-HELP CONST CO.			APPROVED:		
NAME:	Roberto Hurtado					
SGNTURE:						
DATE:						



PRECISION Plumbing-Mechanical

5350 Gabberri Road • Moorpark, CA 93021 • (805) 529-4748 • fax (805) 529-5433

Proposal

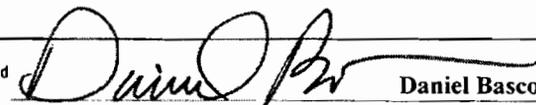
Page No. _____ of Pages _____

PROPOSAL SUBMITTED TO Barnhart Balfour Beatty – Jeff Hammond		PHONE (805) 523-0015	DATE 10/20/2011
STREET 612 Spring Rd.		JOB NAME Change Order Request #3A	
CITY, STATE AND ZIP CODE Moorpark, CA 93021		JOB LOCATION Ruben Castro Human Service Center, Moorpark	
ARCHITECT	DATE OF PLANS	JOB PHONE jhammond@barnhart-balfourbeatty.com	

We hereby propose to furnish in accordance with specifications below, or on attached pages, all labor and materials necessary to complete the following:

We propose to provide the labor and materials needed to pothole five (5) locations to locate existing utilities in Spring Road as shown on attached drawing.

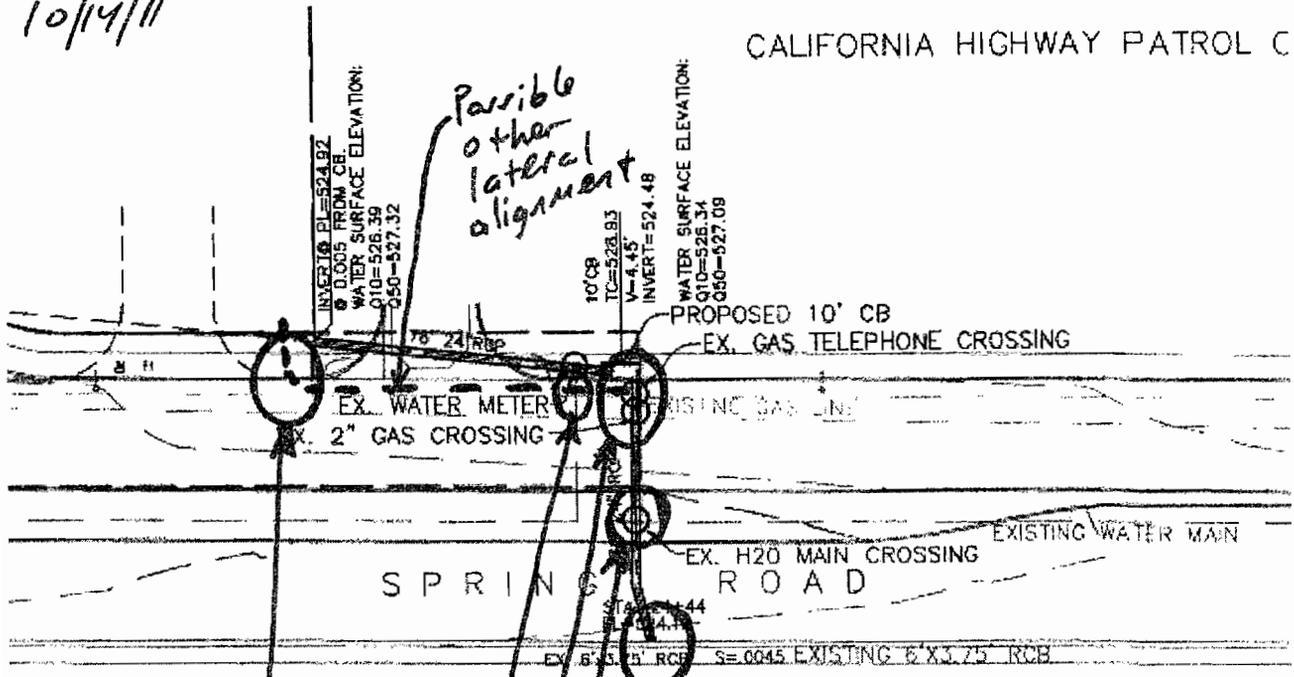
SEE ATTACHMENT "A" FOR ITEMS INCLUDED AND EXCLUDED

WE PROPOSE hereby to furnish material and labor – complete in accordance with above specifications, for the sum of:	
NOT TO EXCEED	dollars (\$ 35,000.00)
Payment to be made as follows: Monthly progress payments; Net 15 days from invoice date.	
<small>All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.</small>	
Authorized Signature	 Daniel Bascom
Note: This proposal may be withdrawn by us if not accepted within 15 days.	
ACCEPTANCE OF PROPOSAL The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outline above.	Signature _____
Date of Acceptance: _____	Signature _____

Ruben Castro Human Services Center
 Spring Road Storm Drain – Alignment No. 2
 Proposed Potholing Locations

10/14/11

CALIFORNIA HIGHWAY PATROL C



Pothole Locations

1. Exist. RCB - determine if sending camera down RCB can produce horiz. + vert. location.
2. Water main
3. Gas, telephone & fiber optic if marked by USA
4. Water meter service
5. Gas, telephone & fiber optic if marked by USA

Attachment "A"
PROPOSAL #10150A

The following items are included in this proposal:

- All work to be performed during the normal business hours of 7:00 AM to 3:30 PM Monday through Friday.
- Each pothole will be a maximum of 4'-0" wide, 4'-0" long and 5'-0" deep.
- Excavation needed to expose top, bottom and sides of requested utility lines within pothole.
- Sawcut, break and removal of existing asphalt needed to start excavation of potholes.
- Grind existing asphalt down so trench plates can be set flush to existing elevation of surrounding asphalt.
- Removal of trench plates to allow access for survey by RJR Engineers.
- Backfill of pothole with 2 sack slurry to bottom of existing asphalt.
- Set back trench plates for cure time of 2 sack slurry.
- Grind existing asphalt around pot hole back 1'-0" and 0'-1 1/2" deep for placement of new asphalt.
- Finish new asphalt, within pothole area, 0'-1" thicker than existing asphalt, not to exceed 6".
- Traffic control for Spring Rd. in area of potholing.
- Fees for encroachment permit application.
- Single lane shutdown for potholing. Figure approximately one day to expose utility and approximately two days for backfill and patch.
- Inform dig alert prior to excavation.
- Removal of excess spoils.
- Precision Plumbing Mechanical representative on site at all times while potholing or patch back is taking place.

The following items are excluded from this proposal:

- Off hours work including night and weekend work.
- Delays in excavation or backfill of potholes due to high water tables, rocky, or similar soil conditions.
- Repairs to existing utilities or any underground piping not clearly identified prior to excavation.
- Permit or inspection fees.
- Flagman for railroad crossing.
- Closure of more than one lane of traffic at a time.
- Demolition or replacement of any curbs, sidewalks, medians or center dividers.
- Re-striping of Spring Rd.
- Layout of locations where potholing is to occur.
- Multiple trips in order to lift off and set back trench plates for Engineers survey.

**SECOND AMENDMENT TO AGREEMENT 2011-057
FOR BID PACKAGE #4 – SITE UTILITIES AND BUILDING PLUMBING
AT THE RUBEN CASTRO HUMAN SERVICES CENTER**

THIS SECOND AMENDMENT TO THE AGREEMENT FOR BID PACKAGE #4 – SITE UTILITIES AND BUILDING PLUMBING (“Second Amendment”), is made and entered into this ____ day of _____, 2011, (“the Effective Date”) between the City of Moorpark, a municipal corporation, hereinafter referred to as “CITY”, and John S. Bascom, Inc., a California corporation, dba Precision Plumbing-Mechanical, a California corporation, hereinafter referred to as “CONTRACTOR”.

WITNESSETH:

WHEREAS, on February 25, 2011, the CITY and the CONTRACTOR entered into an Agreement for site utilities and building plumbing for the Ruben Castro Human Services Center; and

WHEREAS, on May 2, 2011, the CITY and the CONTRACTOR executed a First Amendment in an amount not-to-exceed thirteen thousand two hundred forty-two dollars (\$13,242.00) for the removal of an existing abandoned 8-inch waterline at the Ruben Castro Human Services Center site increasing the total not-to-exceed amount to seven hundred eighty thousand four hundred sixty-five dollars (\$780,465.00); and

WHEREAS, the CITY wishes to further amend the Agreement to include the potholing of existing utilities in support of final design for construction of an offsite storm drain connection in Spring Road for the Ruben Castro Human Services Center at a cost not-to-exceed thirty-five thousand dollars (\$35,000.00) as approved by the City Council at the November 2, 2011 meeting and described in Exhibit “D” and attached hereto as part of this Second Amendment; and

WHEREAS, this amount is in addition to and separate from the ten percent (10%) contingency amount approved with the original Agreement.

NOW, THEREFORE, in consideration of the mutual covenants, benefits, and premises herein stated, the parties hereto AMEND the aforesaid Agreement follows:

I. Section 2 of the Agreement is amended to include:

Contractor’s Scope of Services is amended to include the materials and labor needed to pothole the existing utilities in Spring Road associated with Alignment #2 to be designed to provide an offsite storm drain connection for the Ruben Castro Human Services Center. The Scope of Services for the utility potholing is described and depicted in the Proposal dated October 20, 2011, and attached hereto and incorporated herein as Exhibit D to the Agreement by this Second Amendment.

Contractor's Schedule of Performance for potholing of existing utilities shall not exceed ten (10) working days without the written authorization of the City Manager.

II. Section 7 of the Agreement is amended to include:

CITY hereby increases the not-to-exceed amount of \$780,465.00 under this Agreement by \$35,000.00 to \$815,465.00.

III. Remaining Provisions

All other terms and conditions of the original Agreement shall remain in full force and effect.

CITY OF MOORPARK

JOHN S. BASCOM, INC.
dba Precision Plumbing-Mechanical

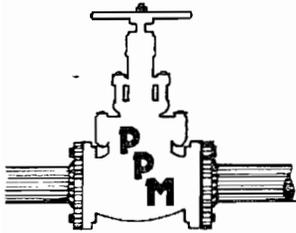
By: _____
Steven Kueny
City Manager

By: _____
John S. Bascom
President

ATTEST:

Maureen Benson, City Clerk

Exhibit D – Contractor's Proposal



PRECISION Plumbing - Mechanical

5350 Gabbert Road • Moorpark, CA 93021 • (805) 529-4748 • fax (805) 529-5433

Proposal

Page No. _____ of _____ Pages

PROPOSAL SUBMITTED TO Barnhart Balfour Beatty – Jeff Hammond		PHONE (805) 523-0015	DATE 10/20/2011
STREET 612 Spring Rd.		JOB NAME Change Order Request #3A	
CITY, STATE AND ZIP CODE Moorpark, CA 93021		JOB LOCATION Ruben Castro Human Service Center, Moorpark	
ARCHITECT	DATE OF PLANS	jhammond@barnhart-balfourbeatty.com	JOB PHONE

We hereby propose to furnish in accordance with specifications below, or on attached pages, all labor and materials necessary to complete the following:

We propose to provide the labor and materials needed to pothole five (5) locations to locate existing utilities in Spring Road as shown on attached drawing.

SEE ATTACHMENT "A" FOR ITEMS INCLUDED AND EXCLUDED

WE PROPOSE hereby to furnish material and labor – complete in accordance with above specifications, for the sum of:

NOT TO EXCEED

dollars (\$ **35,000.00**)

Payment to be made as follows:

Monthly progress payments; Net 15 days from invoice date.

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized Signature

Daniel Bascom
Daniel Bascom

Note: This proposal may be withdrawn by us if not accepted within **15** days.

ACCEPTANCE OF PROPOSAL The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outline above.

Signature _____

Date of Acceptance: _____

Signature _____

Attachment "A"
PROPOSAL #10150A

The following items are included in this proposal:

- All work to be performed during the normal business hours of 7:00 AM to 3:30 PM Monday through Friday.
- Each pothole will be a maximum of 4'-0" wide, 4'-0" long and 5'-0" deep.
- Excavation needed to expose top, bottom and sides of requested utility lines within pothole.
- Sawcut, break and removal of existing asphalt needed to start excavation of potholes.
- Grind existing asphalt down so trench plates can be set flush to existing elevation of surrounding asphalt.
- Removal of trench plates to allow access for survey by RJR Engineers.
- Backfill of pothole with 2 sack slurry to bottom of existing asphalt.
- Set back trench plates for cure time of 2 sack slurry.
- Grind existing asphalt around pot hole back 1'-0" and 0'-1 1/2" deep for placement of new asphalt.
- Finish new asphalt, within pothole area, 0'-1" thicker than existing asphalt, not to exceed 6".
- Traffic control for Spring Rd. in area of potholing.
- Fees for encroachment permit application.
- Single lane shutdown for potholing. Figure approximately one day to expose utility and approximately two days for backfill and patch.
- Inform dig alert prior to excavation.
- Removal of excess spoils.
- Precision Plumbing Mechanical representative on site at all times while potholing or patch back is taking place.

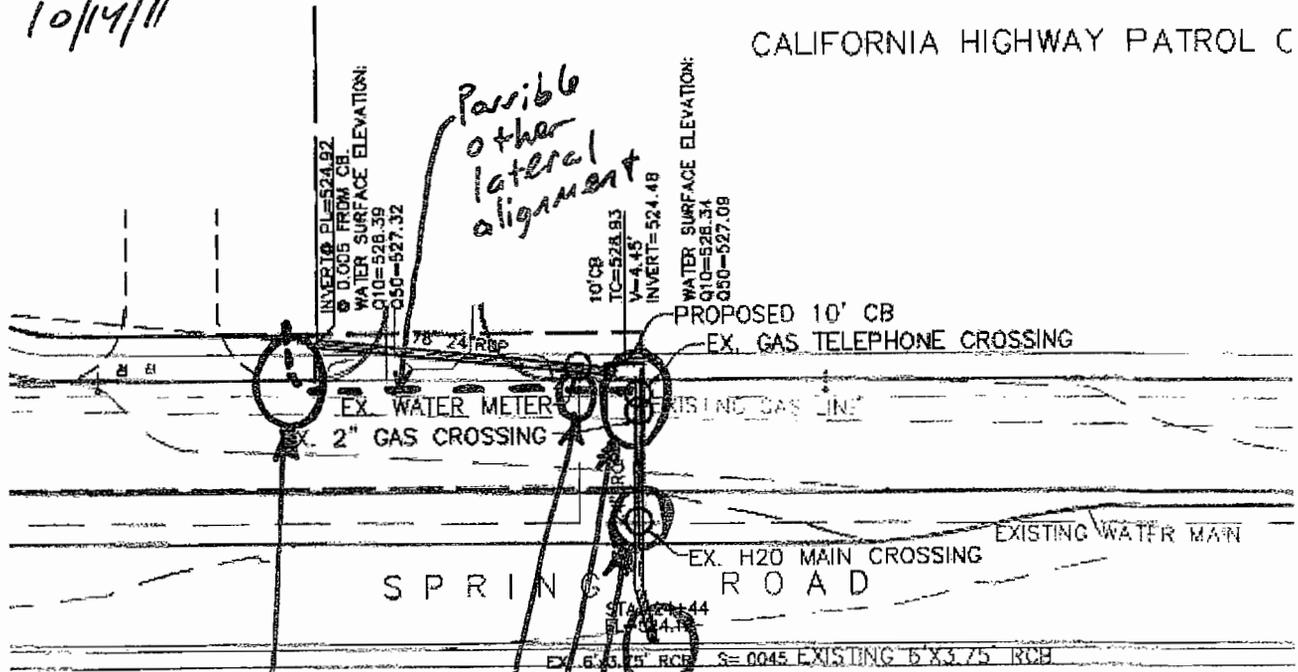
The following items are excluded from this proposal:

- Off hours work including night and weekend work.
- Delays in excavation or backfill of potholes due to high water tables, rocky, or similar soil conditions.
- Repairs to existing utilities or any underground piping not clearly identified prior to excavation.
- Permit or inspection fees.
- Flagman for railroad crossing.
- Closure of more than one lane of traffic at a time.
- Demolition or replacement of any curbs, sidewalks, medians or center dividers.
- Re-striping of Spring Rd.
- Layout of locations where potholing is to occur.
- Multiple trips in order to lift off and set back trench plates for Engineers survey.

Ruben Castro Human Services Center
 Spring Road Storm Drain – Alignment No. 2
 Proposed Potholing Locations

10/14/11

CALIFORNIA HIGHWAY PATROL C



Possible other lateral alignment

Pothole Locations

1. Exist. RCB - determine if sending camera down RCB can produce horiz. + vert. location.
2. Water main
3. Gas, telephone & fiber optic if marked by USA
4. Water meter service
5. Gas, telephone & fiber optic if marked by USA