



ACTION	TYPE OF ITEM
<input type="checkbox"/> Approved Recommendation	<input checked="" type="checkbox"/> Info/Consent
<input type="checkbox"/> Ord. No(s). _____	<input type="checkbox"/> Report
<input type="checkbox"/> Res. No(s). _____	<input type="checkbox"/> Public Hearing (Info/consent)
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____

Prepared By: Cynthia Daniels *cd*Agenda Item No. I-6Reviewed By: City Manager *YRP* City Attorney *SMF* Finance *A,C* Other *Winegar, Emmert***DATE:** May 7, 2012**TO:** City Council**FROM:** Cynthia Daniels, Project Manager *Cynthia Daniels*  
Development Services Department**SUBJECT:** Change Order 49 for Security Paving Co. Inc. for Project Specification No. PW03-19 for Rice Ave/Santa Clara Ave Interchange Improvements at Highway 101, and Special Budget Appropriation for "Highway 101—Rice Interchange"**RECOMMENDATION**

That City Council:

1. Approve and authorize the Mayor to execute Change Order 49 for Project Specification No. PW03-19 with Security Paving Co., Inc. to increase the amount by \$314,134 (a total of \$33,540,112.28) for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101 (Agreement No. A-7228).
2. Approve the appropriation of funds for \$314,134 for Project Specification No. PW03-19 from the Water Operating Fund to the "Highway 101—Rice Avenue" project for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101.

**DISCUSSION**

Background. Security Paving Co. Inc. was awarded the construction contract for the Rice Avenue/Santa Clara Avenue interchange improvements at U.S. Highway 101 on October 20, 2009 for \$31,189,493.23. Work started in February 2010. Work includes constructing roadways and a bridge; replacing city sewer, water, and drainage systems; and installing highway planting, irrigation, signals, lighting, signs, public art, fencing, and electrical systems. The schedule at award was 743 calendar days. The current completion date is May 14, 2012 (827 calendar days). The elapsed time is 97 percent of the schedule. The project is over 80 percent complete. The project is expected to finish in September 2012. Attachment 3 is a summary of the approved change orders to date. The project is funded by a combination of federal and state grants, an assessment district, HERO redevelopment funds, California's underground storage tank cleanup fund, and city contributions.

Change Order 49: Water Line in Ventura Blvd. The Environmental Resources Division requests a 12-inch water line be placed beneath Ventura Blvd. before the construction is finished. The water line will

remain empty until the line is ready for service. There are no city water facilities at Ventura Blvd. (a city street) capable of serving the adjacent properties between Santa Clara Avenue and Del Norte Blvd. Two mutual water companies serve the adjacent land uses. The cost is not-to-exceed \$314,134, paid from the Water Operating Fund's capital outlay account. The extra work at force account is an estimate of \$15,000. The actual cost for the extra work at force account is the contractor's accumulation of costs allowed in the City's specifications. The actual cost may be more or less than this amount. If the cost exceeds the estimate, staff will return to the City Council for approval of a change order. The change order increases the total contract changes to \$2,036,485.05, which is 6.5 percent of the original award amount.

Special Budget Appropriation. The Water Operating Fund (Fund 601) will pay \$314,134 for the cost of the change order for the water line at Ventura Blvd.

### **FINANCIAL IMPACT**

The change order increases the contract by \$314,134 to a total of \$33,540,112.28. The special budget appropriation increases the project budget for "Highway 101—Rice Interchange" Project No. 873114 by \$314,134 to a total of \$76,658,535. Adequate funds are available in the Water Operating Fund (601) for this purpose.

CD

Attachment #1 - Change Order 49

#2 - Special Budget Appropriation

#3 - Summary of Approved Change Orders



- CONTR ADMIN
- ACCOUNTING
- CONTRACTOR
- PURCHASING SERVICE
- CONTRACT INSPECTION

214 So. C St., Oxnard, CA 93030

Phone: 805-385-7871  
Fax: 805-385-8329

**CHANGE ORDER NO. CO0049**

**PROJECT:** Hwy 101-Rice Ave. Interchange  
**TO:** Joseph Ferndino  
Security Paving  
9050 Norris Ave.  
Sun Valley, CA 91352  
Phone: 818-767-8418  
Fax: 818-767-3169

**DATE:** 4/23/2012  
**SPEC NO:** PW03-19  
**CONTRACT NO:** A-7228  
**P.O. NO:** 3516 / 3611

Acct No: 601-6010-843-8606 Proj No: 873114 Amt: \$314,134.00 100%  
Total Amount: \$314,134.00 100%

**You are hereby directed to make the following changes in this contract:**

**DESCRIPTION:**

CO#49-12-in Water Ln. Ventura Blvd.

CO#49-Installing a 12-inch water line on Ventura Blvd. within the project's limits. Water line to service properties within City that are located in Nyeland Acres area; work to be done prior to final asphalt lift being installed and save digging up new work.

**REASONS FOR CHANGES:**

Customer Request

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
00001	Install 12-inch Water Ln.		1.000		\$314,134.00	0.00%	\$0.00	\$314,134.00

1. Amount of original contract	\$31,189,493.23
2. Sum of prior change orders	\$2,036,485.05
3. Sum of contract prior to this change order	\$33,225,978.28
4. Amount of this change order	\$314,134.00
5. Sum of contract including this change order	\$33,540,112.28
Contract time will be changed by	
Completion date of this change order is	5/14/2012

**ACCEPTED:**

City Council/Mayor \_\_\_\_\_ Date \_\_\_\_\_

*See attachment*  
Contractor \_\_\_\_\_ Date \_\_\_\_\_

Attest: City Clerk \_\_\_\_\_ Date \_\_\_\_\_

*Cynthia Daniels*  
Project Manager \_\_\_\_\_ Date \_\_\_\_\_

*N/A*  
Director of Public Works \_\_\_\_\_ Date \_\_\_\_\_

City Engineer \_\_\_\_\_ Date \_\_\_\_\_

Contract Compliance Review Committee \_\_\_\_\_ Date \_\_\_\_\_

*Patricia Friend* 4/23/12  
Administrative Services \_\_\_\_\_ Date \_\_\_\_\_

*JL* 5-7-12  
Budget/Grants \_\_\_\_\_ Date \_\_\_\_\_

*[Signature]* 4/25/12  
Dep/Section/Purchasing Agent \_\_\_\_\_ Date \_\_\_\_\_

*Karen R Bourham* 5-08-12  
City Manager \_\_\_\_\_ Date \_\_\_\_\_

Expedition

**CITY OF OXNARD**  
DEVELOPMENT SERVICES DEPARTMENT

**CONTRACT CHANGE ORDER**

Change Requested by:  Engineer  Contractor

CCO NUMBER 49	SUPPL. NUMBER 0	CONTRACT NO. PW03-19	ROAD HIGHWAY 101 at RICE AVE.	FEDERAL NUMBER(S) STPL-5129(012), ESPL5129(058), HPLUL-5129(051), HPLUL-5129(056), TILUL-5129(057), HPLUL-5129(063)
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TO Security Paving Co., Inc.

Contractor

You are directed to make the following changes from the plans and specifications or do the following described work not included in the plans and specifications for this contract. **NOTE: This change order is not effective until approved by the Engineer.**

Description of work to be done, estimate of quantities and prices to be paid (Segregate between additional work at contract price, agreed price and force account.) Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time. The last percentage shown is the net accumulated increase or decrease from the original quantity in the Engineer's Estimate.

**EXTRA WORK AT AGREED LUMP SUM PRICE:**

As shown on sheets 2 through 5 of this change order, and as directed by the Engineer, provide all labor, equipment, materials, tools and incidentals to install a 12-inch water line. Installation of this 12" water line shall include the items listed in the table below. For this work, the Contractor shall receive and accept the agreed lump sum of \$220,120.00. This sum constitutes full and complete compensation for doing all the work by reason of this change order including all markups and no additional compensation will be made.

ITEM DESCRIPTION	QTY	U/M	U/P Cost	Total
1 - 12" Tie-in	1	EA	\$ 3,850.00	\$ 3,850.00
2 - Under-Crossings	2	EA	\$ 5,800.00	\$ 11,600.00
3 - AirVac	3	EA	\$ 4,450.00	\$ 13,350.00
4 - Blow-offs	3	EA	\$ 3,925.00	\$ 11,775.00
5 - Fire Hydrant	3	EA	\$ 7,525.00	\$ 22,575.00
6 - 12" PVC Water Main	1,730	LF	\$ 65.00	\$ 112,450.00
7 - 8" PVC Water Main	40	EA	\$ 61.25	\$ 2,450.00
8 - 12" Tee	3	EA	\$ 2,200.00	\$ 6,600.00
9 - 12" Gate Valve	6	EA	\$ 2,985.00	\$ 17,910.00
10 - 8" Gate Valve	1	EA	\$ 1,975.00	\$ 1,975.00
11 - 12" End Cap	1	EA	\$ 350.00	\$ 350.00
12 - 8" End Cap	1	EA	\$ 235.00	\$ 235.00
13 - Dewatering	1	LS	\$ 15,000.00	\$ 15,000.00
			<b>Grand Total =</b>	<b>\$ 220,120.00</b>

**EXTRA WORK AT AGREED UNIT PRICE:**

As directed by the Engineer, provide all labor, equipment, materials, tools and incidentals to perform the tasks listed below for the installation of the 12" water line mentioned above. For this work, the Contractor shall receive and accept the agreed unit prices for each item listed below, according to the following table:

ITEM DESCRIPTION	QTY	U/M	U/P Cost	Total
1 - Pothole	16	EA	\$ 825.00	\$ 13,200.00
2 - Sawcut and Remove Exist AC	7,080	SF	\$ 2.25	\$ 15,930.00
3 - Traffic Control (Per Day)	15	EA	\$ 1,650.00	\$ 24,750.00
4 - Place Temp AC/Replace Road Section	7,080	SF	\$ 3.55	\$ 25,134.00
			<b>Total =</b>	<b>\$ 79,014.00</b>

This sum constitutes full and complete compensation for doing all the work by reason of this change order including all markups and no additional compensation will be made. All work shall be in accordance with the applicable specifications. Traffic control shall be per the WATCH manual.

**EXTRA WORK AT FORCE ACCOUNT:**

As directed by the Engineer, provide all labor, equipment, material, tools and incidentals to perform additional potholing, and remove and replace asphalt concrete.

Estimate of Extra Work at Force Account: \$15,000.00

Estimated Cost: :  Decrease  Increase \$314,134.00

By reason of this order the time of completion will be adjusted as follows: Deferred

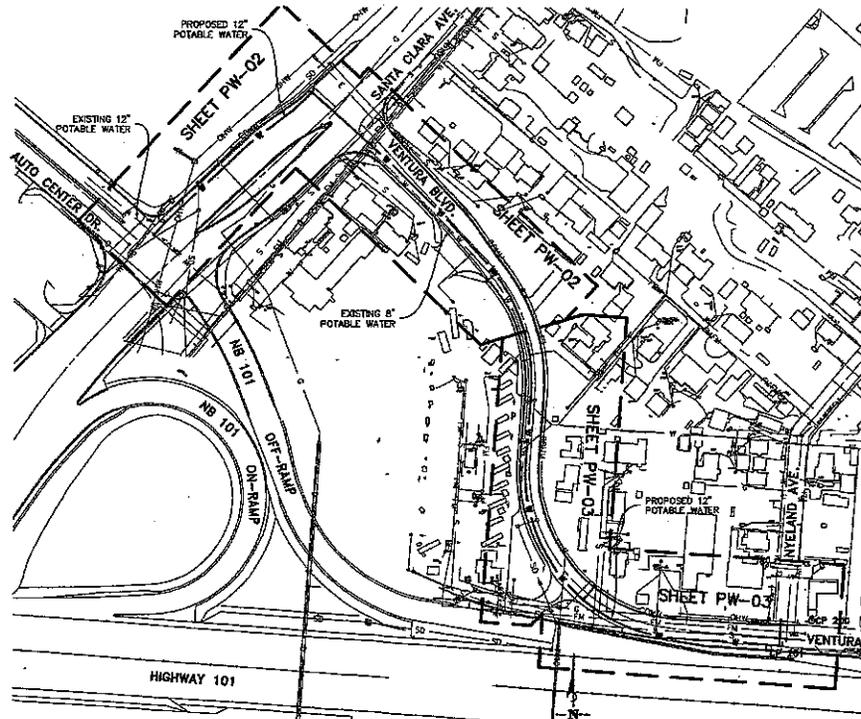
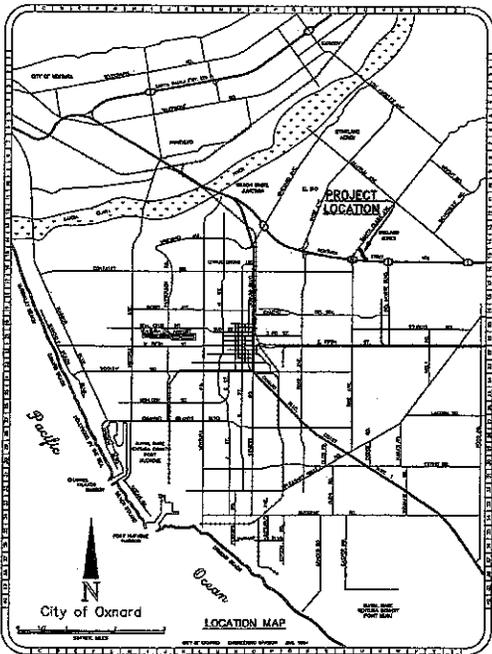
<b>SUBMITTED BY</b>		
SIGNATURE <i>[Signature]</i>	(PRINT NAME & TITLE) Andres Roldan, P. E., Resident Engineer	DATE 4/24/12
<b>APPROVAL RECOMMENDED BY</b>		
SIGNATURE	(PRINT NAME & TITLE)	DATE
<b>ENGINEER APPROVAL BY</b>		
SIGNATURE <i>[Signature]</i>	(PRINT NAME & TITLE) Robert Hearne, P. E., Project Manager	DATE 4.25.12
Contractor acknowledges that all costs and schedule impacts (if any) associated with work identified in this change order are included. NOTE: If you, the contractor, do not sign acceptance of this order, your attention is directed to the requirements of the specification as to proceeding with the ordered work and filing a written protest within the time therein specified.		
<b>CONTRACTOR ACCEPTANCE BY</b>		
SIGNATURE <i>[Signature]</i>	(PRINT NAME & TITLE) Chris Wenzel, Project Manager	DATE 4/24/12

# CITY OF OXNARD - CALIFORNIA

## VENTURA BLVD. IMPROVEMENTS

### 12" POTABLE WATERLINE

#### PW 12-09



#### SHEET INDEX

SHEET NO.	REF. NO.	DESCRIPTION
01	T-01	TITLE SHEET
02	PW-01	12" POTABLE WATER NOTES & DETAILS - STA 1+00 TO STA 10+00
03	PW-02	12" POTABLE WATER PLAN & PROFILE - STA 10+00 TO STA 184+36.66
04	PW-03	12" POTABLE WATER PLAN & PROFILE - STA 10+00 TO STA 184+36.66

#### SURVEY NOTES

**BENCH MARK**  
THE VERTICAL DATUM OF THIS SURVEY IS NAVORS PER GPS TIES AND GEOD MODELING (GEOID03) TO VOPID 364, HAVING AN ELEVATION OF 72.20'.

**BASIS OF BEARINGS & COORDINATES**  
THE BASIS OF BEARINGS & COORDINATES FOR THIS SURVEY ARE COEBSL ZONE 5, EPOCH 1995.0 AS DETERMINED BY GPS TIES TO MONUMENTS SHOWN ON SI RS 83.

#### CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
51	1802223.29	6218448.27	72.02	MAG NAIL
83	1802003.09	6218353.65	71.20	MAG NAIL
200	1805381.27	6217885.43	72.20	2" DC VOPID364
201	1805336.09	6217797.49	72.03	MAG NAIL/NEIGH

Contract Change Order No. 49

Sheet 3 of 6

Contract No. PW03-19

REF NO. T-01

PLOT DATE: 6/25/2012 8:49:10 AM PLOT SCALE: 1/8"=1'-0"

DIAL TOLL FREE  
811  
AT LEAST TWO DAYS  
BEFORE YOU DIG

Know what's below.  
Call before you dig.

RECOMMENDED FOR APPROVAL			
TRAFFIC	DATE	FIRE DEPARTMENT	DATE
PUBLIC WORKS	DATE		

**Parfield & Smith**  
Engineering - Surveying - Planning  
Construction Management

1227 Del Norte Road, Suite 200, Camarillo, CA 93010  
Phone: (805) 861-0705 Fax: (805) 861-0531

SALVADOR CONTRERAS, DATE: 04/24/2012  
PROJECT ENGINEER  
P.C.E. 16720  
W.D. 22947.09 207148.05 WATER.dwg



**RECORD DRAWING**

I HEREBY CERTIFY THAT THE WORK SHOWN ON DRAWING No. 12-04A SHEET No. 1 THROUGH 4, MARKED AS "RECORD DRAWING" HAS BEEN CONSTRUCTED IN CONFORMANCE WITH LINES AND GRADES AS SHOWN ON SAID PLANS, DRAWINGS, REFERENCED SPECIFICATIONS, AND APPROVED CHANGE ORDERS, AS INDICATED IN THE REVISION BLOCK.

DATE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
NAME: \_\_\_\_\_ RESPECTOR: \_\_\_\_\_

REVISIONS		
DATE	DESCRIPTION	BY

**PW 12-09**  
PUBLIC WORKS DEPARTMENT

REVISIONS AS SHOWN APPROVEMENTS  
12" POTABLE WATERLINE  
JOB SHEET

DATE: 4-25-12  
BY: Salvador Contreras

SCALE: NOT AS NOTED  
DATE: 4-25-12

SHEET NO. 1 OF 4  
DRAWN BY: [Name] DATE: [Date]  
CHECKED BY: [Name] DATE: [Date]  
DATE: 12-04A

ATTACHMENT 1  
PAGE 4 OF 7

**GENERAL NOTES FOR WATER IMPROVEMENTS**

- THE WATER SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST EDITIONS OF THE CITY OF OXNARD DEPARTMENT OF PUBLIC WORKS STANDARDS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), AND THE CITY OF OXNARD STANDARD LAND DEVELOPMENT SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE CITY INSPECTION DIVISION AND ALL OTHER INTERESTED PARTIES AND ARRANGE FOR A PRECONSTRUCTION CONFERENCE 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION (PHONE 787-1010).
- AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA (U.S.A.) AT 811 TO OBTAIN AN INDUSTRY IDENTIFICATION NUMBER AND TO REQUEST THE UTILITY OWNERS TO MARK OR OTHERWISE INDICATE THE LOCATION OF THEIR SUBSURFACE FACILITIES. THE CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES, INCLUDING ALL SERVICE CONNECTIONS WHICH HAVE BEEN MARKED BY THE RESPECTIVE OWNERS AND WHICH MAY AFFECT OR BE AFFECTED BY ITS OPERATIONS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES AND ALL STRUCTURES FOUND AT THE SITE.
- ALL PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION SHALL BE OBTAINED BY THE CONTRACTOR.
- THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CITY THROUGHOUT THE CONSTRUCTION OPERATION.
- THE CONTRACTOR SHALL KEEP A STRICT RECORD OF THE LOCATION OF ALL FITTINGS, MARKS AND CONNECTIONS. THIS INFORMATION SHALL BE SUBMITTED TO THE CITY OF OXNARD PUBLIC WORKS DEPARTMENT AS CONTAINED "AS-BUILT" PLANS. THE "AS-BUILT" PLANS SHALL BE SUBMITTED BY THE DEVELOPER'S ENGINEER BEFORE THE RELEASE FOR OCCUPANCY WATER METER INSTALLATION.
- ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING MAIL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
- SAFELY EXISTING PAVEMENT TO A CLEAN STRAIGHT EDGE AS DIRECTED BY THE CITY INSPECTOR.
- PAVEMENT REMOVAL AND REPLACEMENT SHALL BE IN CONFORMANCE WITH THE CITY OF OXNARD STANDARDS AND SPECIFICATIONS. COMPACTION EFFORTS SHALL NOT EXCEED RECOMMENDED STRUCTURAL SECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DAMAGE.
- ALL UNDERGROUND SEWER, STORM DRAIN, AND WATER PIPELINES, ELECTRIC POWER, TELEPHONE OR CABLE TV CONDUITS AND CABLE AND GAS PIPELINES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, CUTTERS, SIDEWALKS AND PAVEMENT.
- AT LEAST TWO (2) WORKING DAYS BEFORE COMMENCING EXCAVATION FOR THE WATER, THE CONTRACTOR SHALL POT-HOLE AND EXPOSE THE EXISTING UTILITIES AT ALL CROSSINGS AND AT THE POINT OF TAKE-UP.
- ALL WATER WELLS LOCATED WITHIN THE SITE SHALL BE REPORTED TO THE CITY OF OXNARD WATER SUPERINTENDENT PRIOR TO THEIR MODIFICATION OR DESTRUCTION (CITY OF OXNARD ORDINANCE NO. 2219). A SEPARATE PERMIT FROM THE CITY IS REQUIRED PRIOR TO DRILLING, ALTERING OR ABANDONING A WATER WELL.
- STATION SHOWN ON WATER DRAWINGS ARE ALONG CENTERLINE OF WATER MAIN.
- THE CONTRACTOR IS REQUIRED TO PROTECT ALL EXISTING SURVEY MONUMENTATION DURING DRIVING AND ALL SUBSEQUENT CONSTRUCTION. CONTRACTOR SHALL REPLACE OR RELOCATE ANY EXISTING SURVEY MONUMENTATION AT THE DIRECTION OF THE CITY.
- SEPARATION OF SEWER, WATER, RECYCLED WATER, AND STORM DRAIN SHALL BE IN CONFORMANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF HEALTH.
- VERTICAL TRENCH SHORING SHALL CONFORM WITH THE ORDERS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY (DIS) AND O.S.H.A. STANDARDS. CONTRACTOR SHALL HAVE DIS EXCAVATION PERMIT (COPY TO CITY).
- TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATES.
- STERILIZATION AND TESTING THE NEW INSTALLATION SHALL BE COMPLETED PRIOR TO MAKING FINAL CONNECTION TO THE EXISTING SYSTEM. THE CONTRACTOR SHALL SEE THAT ALL VALVES IN THE SYSTEM REMAIN OPEN AFTER THE TEST.
- WATER SERVICES WITH DOUBLE METER STOPS, TIE ASSEMBLY AND METER BOX SHALL BE INSTALLED PER CITY OF OXNARD STANDARD PLAN PLATES BY THE CONTRACTOR. THE CITY OF OXNARD WILL SET THE METERS AFTER FINANCIAL ARRANGEMENTS ARE MADE.
- ALL VALVES SHALL BE WHEELER RS GATE VALVES OR APPROVED EQUAL AND SHOP COATED WITH AN APPROVED THERMO TYPE EPOXY.
- ALL VALVE BOXES SHALL BE SET TO FINISH GRADE BY THE CONTRACTOR AS A PART OF THIS PROJECT.
- 12 GAUGE COPPER LOCATOR WIRE SHALL BE INSTALLED ON ALL P.V.C. PIPE MAINS AND ON 14 GAUGE INSULATED POLYETHYLENE WATER SERVICES.
- ALL FIRE HYDRANTS SHALL BE BRONZE. BURTS AND SPOOLS SHALL BE COATED ON THE INTERIOR TERRIBLE SURFACES WITH AN APPROVED THERMO TYPE EPOXY.
- CONTRACTOR SHALL PROVIDE THE WATER DIVISION WITH 48 HOURS ADVANCED NOTICE WHEN REQUESTING VALVE CLOSURES.

**WATER CONSTRUCTION NOTES**

- CONSTRUCT 12" CS900 CLASS 235 PVC WATER MAIN PER CITY OF OXNARD STANDARD PLATES 15, 16 AND 602. MANTAIN MINIMUM 42" COVER FROM FINISHED SURFACE.
- CONSTRUCT 12"x12"x12" TEE WITH ONE (1) 12" GATE VALVE AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATES 320 (CASE #1), 21, 22, 302 AND 303.
- CONSTRUCT 6" FIRE HYDRANT ASSEMBLY (6"x4"x22", JONES J-3775 OR APPROVED EQUAL) WITH 1/2" GATE VALVE PER CITY OF OXNARD STANDARD PLATES 202, 300, 302, 303, 21 THROUGH 24 AND 28.
- CONSTRUCT 12"x12"x12" TEE WITH ONE (1) 12" GATE VALVE AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATES 320 (CASE #1), 21, 22, 302 AND 303 AND PER DETAIL "D", SHEET PW-01.
- CONSTRUCT 2" AIR-VACUUM VALVE PER CITY OF OXNARD STANDARD PLATES 303 AND 308. ENCLOSURE SHALL BE 24"x36" ARMORCAST ENCLOSURE PART #P5002002.
- CONSTRUCT 4" BLOW-OFF ASSEMBLY PER CITY OF OXNARD STANDARD PLATE 307.
- CONSTRUCT 6" FIRE HYDRANT ASSEMBLY (6"x4"x22", JONES J-3775 OR APPROVED EQUAL) PER CITY OF OXNARD STANDARD PLATES 202, 300, 302, 303, 21 THROUGH 24 AND 28.
- CONSTRUCT ENDCAP AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATE 320 (CASE #1).
- CONSTRUCT 12"x12"x12" TEE WITH ONE (1) 8" GATE VALVE AND (1) 12" GATE VALVE AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATES 320 (CASE #1), 21, 22, 302 AND 303.
- CONSTRUCT 8" CS900 CLASS 235 PVC WATER MAIN PER CITY OF OXNARD STANDARD PLATES 15, 16 AND 602. MANTAIN MINIMUM 42" COVER FROM FINISHED SURFACE.
- CONSTRUCT 12" CS900 CLASS 305 PVC WATER MAIN AT ALL UTILITY UNDERCROSSINGS PER CITY OF OXNARD STANDARD PLATES 15, 16, 313, 320 AND 802.
- CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE ANCHOR BLOCK PER DETAIL "A", SHEET PW-01. RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATE 313, NOTE 11.
- CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE THRUST BLOCK PER CITY OF OXNARD STANDARD PLATE 320, CASE 5. RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATE 313, NOTE 11.

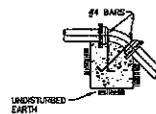
**LEGEND**

— W —	PROPOSED WATER
— W —	EXISTING WATER
— SD —	EXISTING STORM DRAIN
— S —	EXISTING SEWER
— G —	EXISTING GAS
— COM —	EXISTING COMMUNICATION CONDUIT
— OH —	EXISTING OVERHEAD WIRES
— E —	EXISTING ELECTRICAL CONDUIT
— R —	ROAD CENTERLINE
— — —	RIGHT-OF-WAY OR PROPERTY LINE

**CITY STANDARD PLATES USED FOR THIS PROJECT**

PLATE NUMBER	TITLE
15-18	GENERAL REQUIREMENTS - PVC PIPE
21-22	GENERAL REQUIREMENTS - GATE VALVES
22-24	GENERAL REQUIREMENTS - FIRE HYDRANTS
29	GENERAL REQUIREMENTS - PROTECTIVE COATING
202	BLUE REFLECTIVE PAVEMENT MARKERS
300	DETAILS FOR FIRE HYDRANT INSTALLATION
302	TYPICAL BARRELS FOR FIRE HYDRANT
303	VALVE ANCHOR
307	VALVE BOX INSTALLATION
308	BLOWOFF INSTALLATION
313	COMBINATION AIR-VACUUM VALVE INSTALLATION
320	RELOCATION OF WATER MAIN & FIRE HYDRANT LATERALS
802	THRUST BLOCKING
320	STANDARD TRENCH BACKFILL REQUIREMENT

Contract Change Order No. 49  
 Sheet 4 of 6  
 Contract No. PW03-19



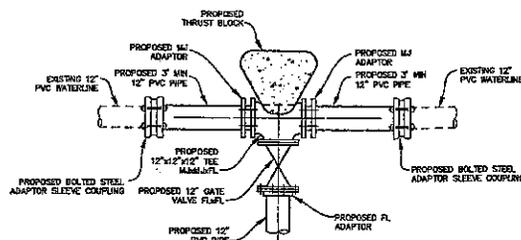
**VERTICAL ANCHOR BLOCK**

THE FINAL DIMENSIONS OF ALL ANCHOR BLOCKS SHALL BE APPROVED BY THE CITY REPRESENTATIVE PRIOR TO PLACING CONCRETE.  
 \*CONCRETE FOR ANCHOR BLOCKS SHALL BE 450-0-3000 IN ACCORDANCE WITH SSPWC TABLE 201-11.2(A)

NOTE: RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATE 313, NOTE 11.

**VERTICAL THRUST BLOCKING**

N.T.S. PER CITY OF OXNARD STANDARD PLATE 320



NOTES:  
 1. FIELD VERIFY EXISTING PIPE MATERIAL AND DIAMETER PRIOR TO ORDERING STEEL COUPLING.

**CONNECTION TO EXISTING WATERLINE**

N.T.S.

**CAUTION: UNDERGROUND STRUCTURES**

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

DIAL TOLL FREE  
 811  
 AT LEAST TWO DAYS  
 BEFORE YOU DIG  
 Know what's below.  
 Call before you dig.

**Frederick & Smith**  
 Engineering/Surveying/Planning/  
 Construction Management  
 1227 Del Norte Road, Suite 200, Covington, CA 95026  
 Phone (925) 961-0706 Fax (925) 961-0251

SALVADOR CONTRERAS, DATE: 04/24/2012  
 PROJECT ENGINEER  
 P.L.S. 0047-09  
 20147.09\_WATER.dwg



DATE	DESCRIPTION	BY

DESIGNED BY: *Salvador Contreras*  
 DATE: 4-24-12  
 SCALE: 1"=10'-0"  
 SHEET NO. 2 OF 4  
 DRAWING NO. 12-04A

REF NO.  
 PW-01

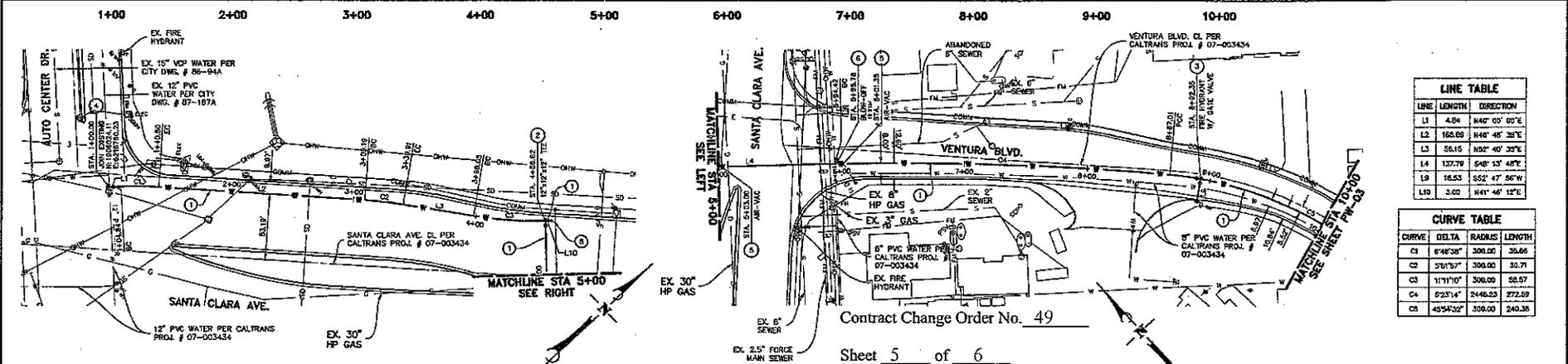
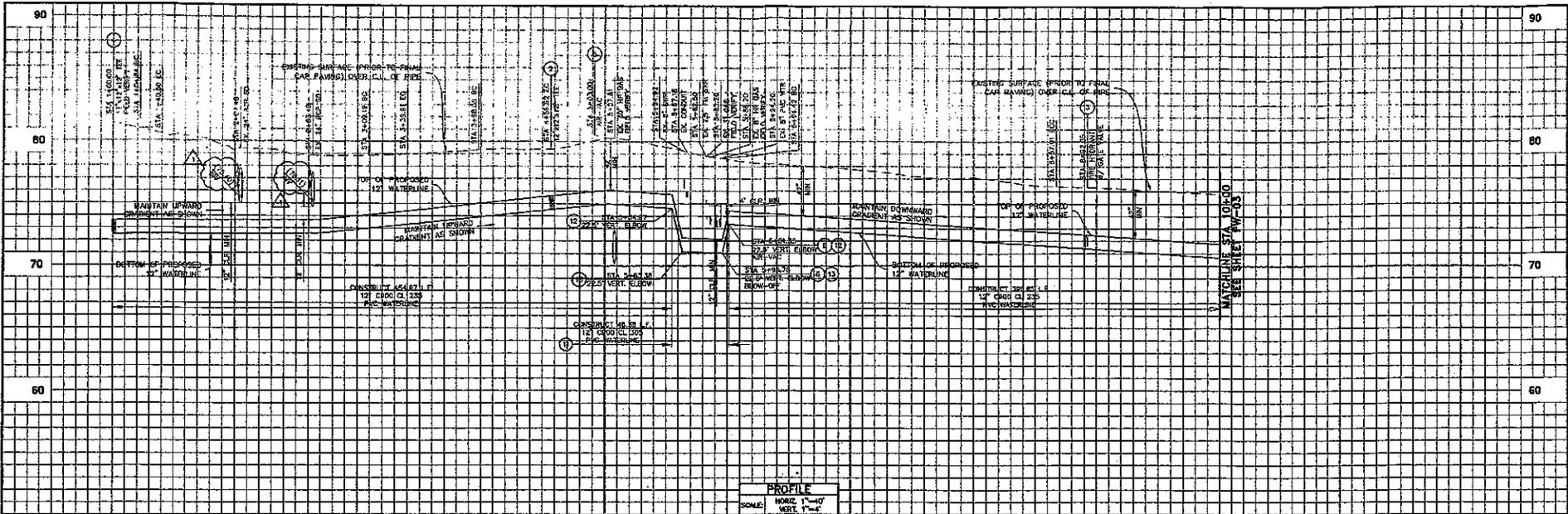
PW 12-09  
 PUBLIC WORKS DEPARTMENT

NOVARRA DE IG. IMPROVEMENTS  
 12" POTABLE WATERLINE  
 NOTES AND DETAILS

DATE: 4-25-12  
 DRAWN BY: *Salvador Contreras*

SCALE: 1"=10'-0"  
 SHEET NO. 2 OF 4  
 DRAWING NO. 12-04A

ATTACHMENT 1  
 PAGE 5 OF 7



LINE TABLE		
LINE	LENGTH	DIRECTION
L1	4.84	N40° 00' 00" E
L2	168.09	N46° 48' 30" E
L3	58.15	N52° 40' 30" E
L4	137.79	S48° 13' 48" E
L5	18.53	S52° 47' 56" W
L10	3.00	N41° 46' 12" E

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	6°48'38"	300.00	35.66
C2	3°01'37"	300.00	30.71
C3	1°11'10"	300.00	58.57
C4	6°23'14"	2446.23	272.69
C5	43°54'32"	300.00	240.35

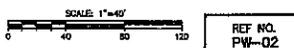
**WATER CONSTRUCTION NOTES**

1. CONSTRUCT 12" C900 CLASS 235 PVC WATER MAIN PER CITY OF OXNARD STANDARD PLATES 15, 16 AND 602. MAINTAIN MINIMUM 42" COVER FROM FINISHED SURFACE.
2. CONSTRUCT 12"x12"x12" TEE WITH ONE (1) 12" GATE VALVE AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATES 320 (CASE #1), 21, 22, 302 AND 303.
3. CONSTRUCT 6" FIRE HYDRANT ASSEMBLY (4"x4"x20", JONES J-3775 OR APPROVED EQUAL) WITH 12" GATE VALVE PER CITY OF OXNARD STANDARD PLATES 202, 300, 302, 303, 21 THROUGH 24 AND 28.
4. CONSTRUCT 12"x12"x12" TEE WITH ONE (1) 12" GATE VALVE AND THRUST BLOCK PER CITY OF OXNARD STANDARD PLATES 320 (CASE #1), 21, 22, 302 AND 303 AND PER DETAIL "B", SHEET PW-01.
5. CONSTRUCT 4" AIR-VACUUM VALVE PER CITY OF OXNARD STANDARD PLATES 303 AND 306. ENCLOSURE SHALL BE 20"x36" ARMORCAST ENCLOSURE PART #6002002.
6. CONSTRUCT 4" BLOW-OFF ASSEMBLY PER CITY OF OXNARD STANDARD PLATE 307.
11. CONSTRUCT 12" C900 CLASS 303 PVC WATER MAIN AT ALL UTILITY UNDERCROSSINGS PER CITY OF OXNARD STANDARD PLATES 15, 16, 313, 320 AND 602.
12. CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE ANCHOR BLOCK PER DETAIL "A", SHEET PW-01. RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATE 313, NOTE 11.
13. CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE THRUST BLOCK PER CITY OF OXNARD STANDARD PLATE 320, CASE 3. RESTRAINED JOINTS MAY BE SUBSTITUTED IN LIEU OF THRUST BLOCKS IN ACCORDANCE WITH CITY OF OXNARD STANDARD PLATE 313, NOTE 11.

Contract Change Order No. 49

Sheet 5 of 6

Contract No. PW03-19



**Penfield & Smith**  
 Engineering/Consulting/Planning  
 Construction Management  
 1327 Del Norte Road, Suite 200, Camarillo, CA 93016  
 Phone: (805) 961-0708 Fax: (805) 961-0251

SALVADOR CONTRERAS, DATE: 04/24/2012  
 PROJECT ENGINEER  
 P.L.C. 06730  
 W.O. 20147.09 20147.08\_WATER.dwg



REVISIONS		
DATE	DESCRIPTION	BY

DATE: 4.24.12  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

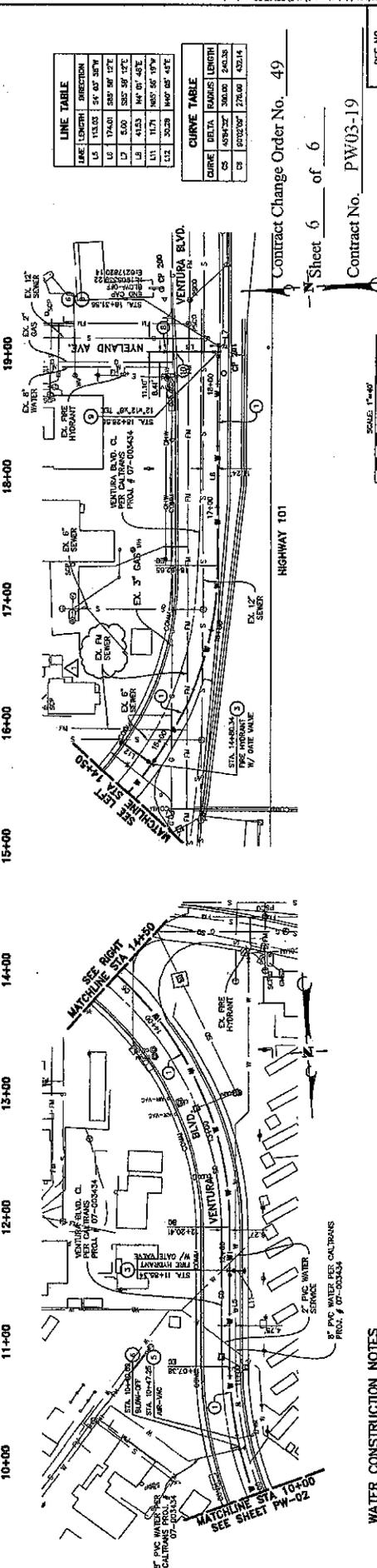
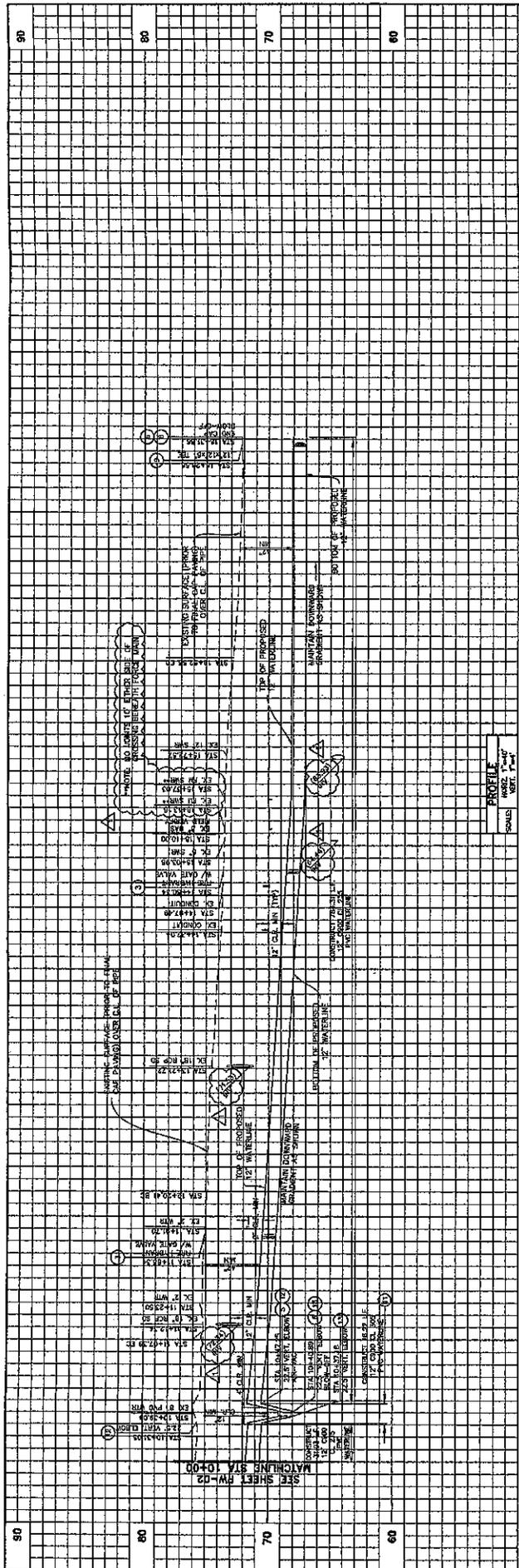
**PW 12-09**  
 PUBLIC WORKS DEPARTMENT

OXNARD REG. SUBORDINATING  
 12" POTABLE WATER PLAN & PROFILE  
 STA 1+00 TO STA 10+00

DATE: 4.25.10  
 SCALE: HORIZ. 1" = 40'  
 VERT. 1" = 5'  
 SHEET NO. 3 OF 4  
 DRAWING NUMBER: 12-04A

DATE: 04/24/2012 08:10:14 AM PLOT DATE: 1/24/2012 08:43:35 AM  
 36-PP1

C:\admin\user\pww\1011\03102012\pw12-09-ventura\12"potable\_water.dwg



LINE	LENGTH	DIRECTION
L1	13.00	S 45° 00' 00" W
L2	17.00	S 85° 00' 00" W
L3	5.00	S 85° 00' 00" W
L4	41.53	N 85° 00' 00" E
L5	11.71	N 85° 00' 00" E
L6	30.29	N 85° 00' 00" E

CURVE	DELTA	ARC	LENGTH
C1	45° 00' 00"	130.00	240.33
C2	102° 00' 00"	270.00	632.14

Contract Change Order No. 49  
 of 6  
 Contract No. PW03-19

REF NO. PW-03  
 PW 12-09  
 PUBLIC WORKS DEPARTMENT  
 127 FINE BAY BLVD, SUITE 200  
 OAKLAND, CA 94612  
 PHONE (415) 774-2200  
 FAX (415) 774-2202

DATE: 12/12/12  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 SCALE: 1" = 40' (PLAN)  
 1" = 4' (PROFILE)

SHEET NO. 4 OF 4  
 DRAWING NO. 12-04A

**Revisions**

NO.	DATE	DESCRIPTION
1	12/12/12	ISSUED FOR PERMIT

**Professional Engineer**  
 Seal: [Seal]  
 License No. 45797  
 State of California  
 City and County of Alameda

**Salvatore Contreras**  
 PROJECT MANAGER  
 PHONE (415) 774-2200  
 FAX (415) 774-2202

- WATER CONSTRUCTION NOTES**
- CONSTRUCT 12" 6000 CLASS 225 PVC WATER MAIN PER CITY OF OAKLAND STANDARD PLATES 15, 18 AND 602. MAINTAIN MINIMUM 42" COVER FROM FINISHED SURFACE.
  - CONSTRUCT 6" FIRE HYDRANT ASSEMBLY (4" x 4" JOINTS - 3/75'S OR APPROVED EQUIV.) THROUGH 24" AND 36" DIAMETER EXISTING CONCRETE THURST BLOCKS IN ACCORDANCE WITH CITY OF OAKLAND STANDARD PLATE 31, NOTE 11.
  - CONSTRUCT 2" AIR-VACUUM VALVE PER CITY OF OAKLAND STANDARD PLATES 303 AND 308. ENCLOSURE SHALL BE 30" x 36" ARMORCAST ENCLOSURE PART #PC02002.
  - CONSTRUCT 4" BLOW-OFF ASSEMBLY PER CITY OF OAKLAND STANDARD PLATE 307.
  - CONSTRUCT ENCHOP AND THURST BLOCK PER CITY OF OAKLAND STANDARD PLATE 320 (CASE #4).
  - CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE THURST BLOCK PER CITY OF OAKLAND STANDARD PLATE 303, CASE 3. RESTRAINED JOINTS MAY BE SUBSTITUTED IN ACCORDANCE WITH CITY OF OAKLAND STANDARD PLATE 31, NOTE 11.
  - CONSTRUCT 12" 22.5" VERTICAL ELBOW AND CONCRETE THURST BLOCK PER CITY OF OAKLAND STANDARD PLATE 303, CASE 3. RESTRAINED JOINTS MAY BE SUBSTITUTED IN ACCORDANCE WITH CITY OF OAKLAND STANDARD PLATE 31, NOTE 11.

# REQUEST FOR SPECIAL BUDGET APPROPRIATION

**Department:** Development Services  
**Project/Program** Transportation Planning  
**Manager:** Cynthia Daniels

**Date:** May 7, 2012  
**Phone:** 385-7871

**Reason for Appropriation:**

Change Order 49 for Security Paving Co. Inc. for Project Specification No. PW03-19 for Rice Ave/Santa Clara Ave Interchange Improvements at Highway 101

<u>Accounts and Descriptions</u>	<u>AMOUNT</u>
<b>Fund: WATER OPERATING FUND (601)</b>	
<b>Revenues/Transfers In</b>	
enter division or project name and number here	
enter account code here    enter account description here	0
Sub-total Revenues	0
<b>Expenditures/Transfers Out</b>	
<b>Water Operating - WATER PROCUREMENT (601-6010)</b>	
601-6010-843.86-06    CAPITAL OUTLAY / MACHINERY AND EQUIP NEW	(314,134)
<b>HWY 101-RICE INTERCHANGE (Project No. 873114)</b>	
601-9718-826.86-06    CAPITAL OUTLAY / MACHINERY AND EQUIP NEW	314,134
Sub-total Expenditures	0
<b>Net Change to Fund Balance</b>	<b>0</b>

**Approvals** \_\_\_\_\_  
 Department Director \_\_\_\_\_  
 Chief Financial Officer \_\_\_\_\_ *5-7-12*  
 City Manager \_\_\_\_\_

**ATTACHMENT** 2  
**PAGE** 1 **OF** 1

SBA# (Finance Use Only) \_\_\_\_\_  
 BA Doc# (Finance Use Only) \_\_\_\_\_

Project No. PW0-3-19  
Approved Change Orders as of 4/25/2011

Date Approved		Contract Amt
	Security's Bid	\$31,189,493.23
3/15/2010	Change Order 01 (previously 5)	\$ 119,224.00
5/5/2010	Change Order 02	\$ 30,000.00
8/3/2010	Change Order 03	\$ 136,097.69
7/27/2010	Change Order 04	\$ 15,000.00
7/27/2010	Change Order 05	\$ 35,000.00
7/27/2010	Change Order 06	\$ 62,373.75
9/8/2010	Change Order 07	\$ 33,580.00
9/8/2010	Change Order 08	\$ 21,274.30
9/8/2010	Change Order 09	\$ 6,000.00
9/8/2010	Change Order 10	\$ (316,007.50)
9/8/2010	Change Order 11	\$ 50,000.00
9/8/2010	Change Order 12	\$ 24,851.81
9/8/2010	Change Order 13	\$ 17,000.00
	Change Order 14 \$259,660.19 estimated	
10/19/2010	Change Order 15	\$ 245,292.50
10/19/2010	Change Order 16	\$ -
	Change Order 17 Changed to 48 draft \$31,680.39	
11/2/2010	Change Order 18	\$ 91,442.08
9/15/2011	Change Order 19	\$23,855
10/11/2011	Change Order 20	\$30,504.67
9/15/2011	Change Order 23	\$ 9,710.96
8/22/2011	Change Order 25	\$ (5,651.00)
3/2/2011	Change Order 26	\$ -
3/22/2011	Change Order 27	\$ 20,000.00
10/11/2011	Change Order 28	\$44,443.36
7/26/2011	Change Order 29	\$ 135,999.62
7/26/2011	Change Order 32	\$ 116,952.75
6/16/2011	Change Order 33	\$ 24,000.00
8/22/2011	Change Order 34	\$ 24,000.00
9/21/2011	Change Order 35	\$18,804.80
11/22/2011	Change Order 36 no cost	\$ -
9/21/2011	Change Order 37	\$7,734.19
12/6/2011	Change Order 39	\$ 40,462.80
11/22/2011	Change Order 40 Immediate need procedure (CC ratified 12/6)	\$ 53,148.51
2/1/2012	Change Order 41 (revisions to CCO 40)	\$ (18,900.00)
3/22/2012	Change Order 42: add MBGR quantities not shown on plans	\$ 23,457.62
3/26/2012	Change Order 43: add & remove MBGR	\$ 10,196.20
3/12/2012	Change Order 44: added days, no cost	\$ -
3/20/2012	Change Order 45 gateway sign removed	\$ (23,750.00)
4/18/2012	Change Order 46 Requires ratification (\$36,483.42); ratified 5/1/12	\$ 36,483.42
4/18/2012	Change Order 47 NO COST Delete surveyors	\$ -
5/1/2012	Change Order 48 (previously 17) draft \$31,680.39	\$ 31,680.39
	Total	\$33,225,978.28
	UPPER LIMIT FOR EXPENDITURES	
	Total Change Orders Approved	\$2,036,485.05

File Location: C:\Documents and Settings\pwcynd\My Documents\Rice-Hwy 101\Security Paving\  
File Name: Accounting for Payment to Security Paving for Rice-101.wk  
Prepared by Cynthia Daniels  
5/3/2012

