

**REIMBURSEMENT AGREEMENT FOR PAYMENT OF COSTS TO  
CONSTRUCT GAS PIPELINE SUPPORTS  
BY AND BETWEEN SAN DIEGO GAS & ELECTRIC COMPANY  
AND THE CITY OF CHULA VISTA, CALIFORNIA  
(WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD  
AND SWEETWATER ROAD)**

The CITY OF CHULA VISTA, hereinafter called "LOCAL AGENCY", proposes as part of its CIP No. STL-261 Willow Street Bridge Replacement Project ("Project") to replace the existing 2-lane bridge with a 4-lane bridge on Willow Street in the City of Chula Vista, County of San Diego, California.

SAN DIEGO GAS AND ELECTRIC COMPANY, hereinafter called "OWNER", owns and maintains existing gas facilities within the limits of the Project ("Existing Facilities").

OWNER desires to replace Existing Facilities in the proposed replacement bridge to be constructed by the Project ("Proposed Facilities").

LOCAL AGENCY and OWNER (collectively "Parties") hereby mutually agree that:

**I. Work To Be Done**

LOCAL AGENCY shall construct the Proposed Facilities as shown on LOCAL AGENCY's contract plans and specifications for the Project and City of Chula Vista Drawing Nos. 12013-1 through 12013-124, which by this reference are made a part hereof. The Proposed Facilities are presented in Exhibit "A," one-quarter size "Phase II - Willow Street Bridge Replacement between Bonita Road and Valley Vista Road in the City of Chula Vista, California," Drawings 12013-61 and 12013-109 through 12013-112 attached hereto. The contract unit price for constructing the Proposed Facilities shall be the unit price for bid proposal item: "Pipe Support for Conduits in Bridge Cell" in the contract documents. OWNER hereby acknowledges preparation and review of LOCAL AGENCY's plans and specifications for the relocation work and agrees to the construction in the manner proposed.

Deviations from the plans and specifications described above or changes in scope of the work ("Change Orders") that are initiated by either the LOCAL AGENCY or the OWNER shall be agreed upon by both parties hereto in writing. Such Change Orders, once approved by both parties, will constitute an authorization to proceed with changed work and constitute an approved revision of the plans and specifications described above and such revisions are hereby made a part hereof.

OWNER shall have the right to inspect the work during construction. Upon completion of the construction work by LOCAL AGENCY, once the work passes OWNER's inspection, OWNER agrees to accept ownership of and maintenance responsibility for the constructed facilities.

Upon completion of the construction work to be done by LOCAL AGENCY under this Agreement and its acceptance by OWNER, the new facility shall become the property of OWNER. The LOCAL AGENCY shall provide as-built drawings (electronic and drawings on Mylar film) to OWNER within ninety (90) calendar days from the date of acceptance of the facility by OWNER.

## **II. Liability for Work**

The Proposed Facilities will be constructed at OWNER's expense.

## **III. Performance of Work**

OWNER shall have access to all phases of the construction work to be performed by LOCAL AGENCY to construct the Proposed Facilities for the purpose of inspection to ensure that the work is performed in accordance with the Project's plans and specifications and this Agreement. All questions and comments regarding the work being performed will be directed to LOCAL AGENCY's Resident Engineer for their evaluation and final disposition.

## **IV. Payment for Work**

OWNER has requested that the LOCAL AGENCY construct the Proposed Facilities to house the replacement gas pipeline to be installed within the bridge cell as replacement of the Existing Facilities. Construction of the Proposed Facilities constitute betterments that are not eligible for Federal Highway Bridge Program funding ("Betterments"), the associated costs of which will be reimbursed by OWNER to LOCAL AGENCY ("Betterment Cost").

The estimated Betterment Cost is approximately \$26,000, as described in the "Betterment Cost Estimate" (Exhibit "B" attached hereto). The Betterment Cost shall be based on unit prices bid by the lowest responsive bidder to whom the Project contract is awarded. If at any time during the performance of the work LOCAL AGENCY reasonably believes that costs to construct the Betterments will exceed the Betterment Cost, LOCAL AGENCY shall initiate a Change Order with OWNER documenting the reason for the increase in cost, which must be approved by OWNER before implementation. No change in the scope of the work will be allowed without an approved Change Order as noted in Section I.

Notwithstanding the above, in the event that LOCAL AGENCY incurs additional costs during the course of the Project caused by, in whole or in part, OWNER's delay in approving Change Orders or due to negligence of OWNER shall be charged to the OWNER and included in LOCAL AGENCY's invoices thereto.

Following the acceptance of the Betterments by OWNER as they are completed, the LOCAL AGENCY shall conduct an accounting of the actual charges associated with the Betterments ("Actual Betterments Cost") in the invoices received from LOCAL

AGENCY's contractor. The Actual Betterments Cost shall be based upon the actual quantities installed in the Project as determined by the LOCAL AGENCY's engineer and as reviewed by OWNER, including only those changes in work approved pursuant to a Change Order. LOCAL AGENCY shall invoice OWNER for the Actual Betterments Cost, and OWNER shall remit such amount to the LOCAL AGENCY within forty five (45) calendar days; provided however, if the Actual Betterment Cost exceeds the Betterment Cost, without corresponding approved Change Order accounting for such overage, OWNER shall have the right to dispute such additional charges and LOCAL AGENCY and OWNER shall work together to resolve such dispute.

**V. General Conditions**

"It is understood that said highway is a federal aid highway and accordingly, 23CFR, Chapter 1, Part 645 and 23 U.S.C., section 313 as applicable, is hereby incorporated into this agreement."

"The Buy America requirements are further specified in the Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21), section 1518."

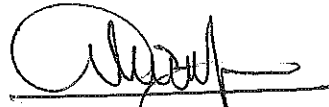
"LOCAL AGENCY hereby certifies that all manufacturing processes for these steel and iron materials, including the application of coatings (unless granted a waiver pursuant to 23 CFR 635.410), have occurred in the United States."

IN WITNESS WHEREOF, the below parties have executed this Agreement as of the date of the last party to sign.

**CITY OF CHULA VISTA**

**SAN DIEGO GAS & ELECTRIC**

By: \_\_\_\_\_  
Richard A. Hopkins  
Director of Public Works

By:   
\_\_\_\_\_  
Alex Diaz  
Sr. Field Utility Specialist

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

Date: 1/05/17

Approved as to form and legality:

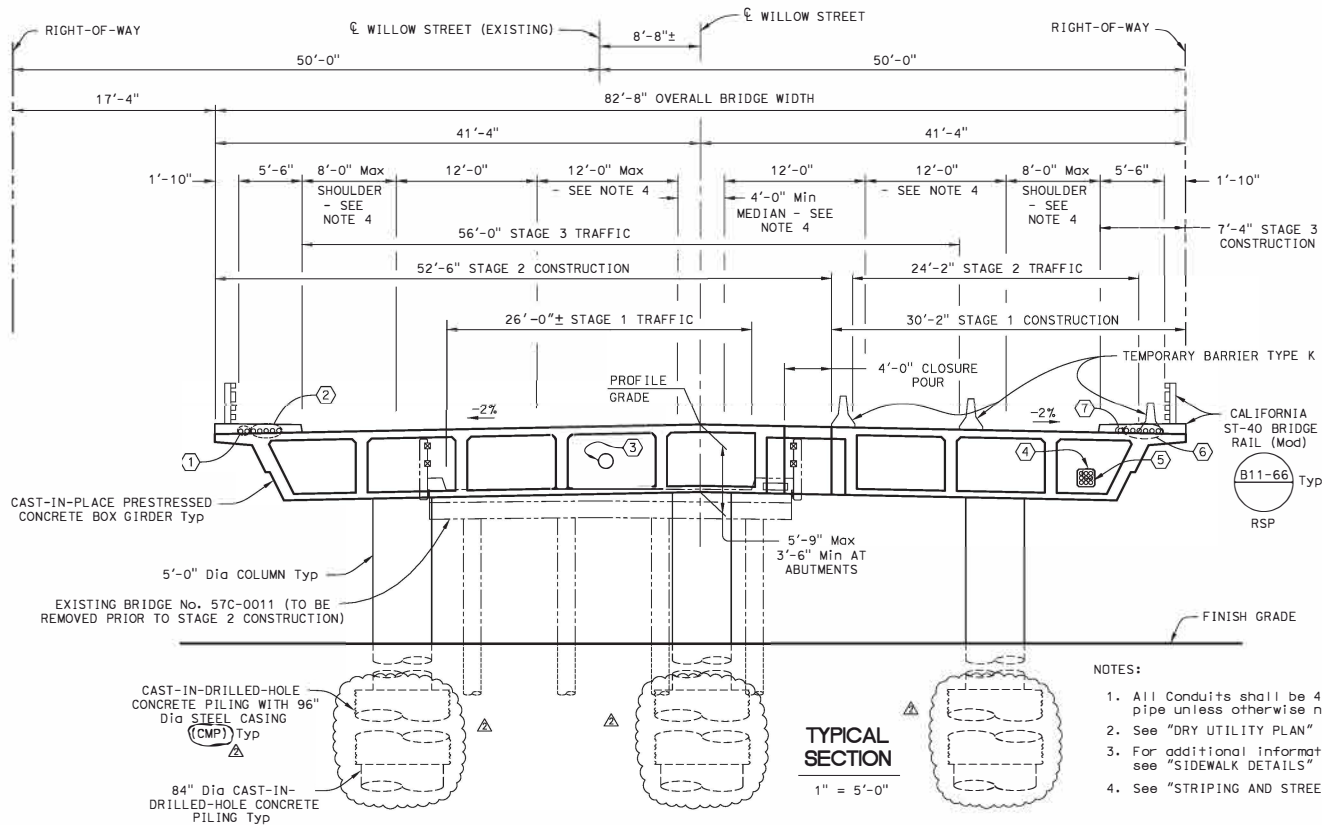
By: \_\_\_\_\_  
Glen R. Googins  
City Attorney

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

By: Hector Duran Jr  
Hector Duran Jr  
Project Manager I

Date: 1.5.17

# EXHIBIT "A"



## BRIDGE QUANTITIES

BRIDGE REMOVAL F	1	LS
STRUCTURE EXCAVATION (BRIDGE) F	300	CY
STRUCTURE EXCAVATION (RETAINING WALL) F	230	CY
STRUCTURE EXCAVATION (TYPE D) F	595	CY
STRUCTURE BACKFILL (BRIDGE) F	150	CY
STRUCTURE BACKFILL (RETAINING WALL) F	415	CY
42" PERMANENT STEEL CASING (CMP) P	1,104	LF
96" PERMANENT STEEL CASING (CMP) P	456	LF
30" CAST-IN-DRILLED-HOLE CONCRETE PILING	122	LF
42" CAST-IN-DRILLED-HOLE CONCRETE PILING	1,113	LF
84" CAST-IN-DRILLED-HOLE CONCRETE PILING	465	LF
96" CAST-IN-DRILLED-HOLE CONCRETE PILING	456	LF
PRESTRESSING CAST-IN-PLACE CONCRETE P	1	LS
STRUCTURAL CONCRETE, BRIDGE F	4,000	CY
STRUCTURAL CONCRETE, RETAINING WALL F	56	CY
DRILL AND BOND DOWEL	282	LF
JOINT SEAL ASSEMBLY (MR 4") P	155	LF
BAR REINFORCING STEEL (BRIDGE) P-F	1,710,000	LB
BAR REINFORCING STEEL (RETAINING WALL) P-F	7,600	LB
ISOLATION CASING P-F	1,100	LB
MISCELLANEOUS METAL (BRIDGE) P-F	1,230	LB
CALIFORNIA ST-40 BRIDGE RAIL (Mod) P-F	1,314	LB

### NOTES:

- All Conduits shall be 4" nominal diameter Schedule 40 PVC pipe unless otherwise noted.
- See "DRY UTILITY PLAN" on "UTILITY DETAILS NO. 1" sheet for more information.
- For additional information on sidewalk utility conduits, see "SIDEWALK DETAILS" sheet.
- See "STRIPING AND STREET SIGN PLAN" sheets for more information.

## BRIDGE UTILITIES

LOCATION	UTILITY	OWNER	UTILITY SIZE	END DIAPHRAGM OPENING SIZE (Width x Height)	BENT CAP OPENING SIZE (Width x Height)	LOCATION OF DETAILS
①	Fiber Optics	Cox Communications	4" Dia Conduits - total 2	—	—	Standard Plan sheets RSP B11-66 and RSP B11-67
②	Reserved for future use	City of Chula Vista	4" Dia Conduits - total 5	—	—	Standard Plan sheets RSP B11-66 and RSP B11-67
③	Gas	SDG&E	6 5/8" Dia Gas Line with 10 3/4" Casing	2'-6" x 1'-6"	15" Dia	See Drawing Nos. 12013-109 through 12013-113
④	Fiber Optics	Cox Communications	4" Dia Conduits - total 2	2'-9" x 1'-2"	1'-6" x 1'-6"	"UTILITY DETAILS NO. 2" sheet
⑤	Telecommunications	AT&T	4" Dia Conduits - total 7	2'-9" x 1'-2"	1'-6" x 1'-6"	"UTILITY DETAILS NO. 2" sheet
⑥	Telecommunications	AT&T	4" Dia Conduits - total 6	—	—	Standard Plan sheets RSP B11-66 and RSP B11-67
⑦	Reserved for City use	City of Chula Vista	4" Dia Conduits - total 1	—	—	Standard Plan sheets RSP B11-66 and RSP B11-67

**AS-BUILT**

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Printed Name \_\_\_\_\_ P.E. No. \_\_\_\_\_

My Registration Expires \_\_\_\_\_ Discipline \_\_\_\_\_

**UTILITY NOTE**

ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.

**CITY OF CHULA VISTA**  
PUBLIC WORKS - ENGINEERING  
285 FOURTH AVENUE  
CHULA VISTA, CA 91910  
(619) 454-3301



NOTE:  
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

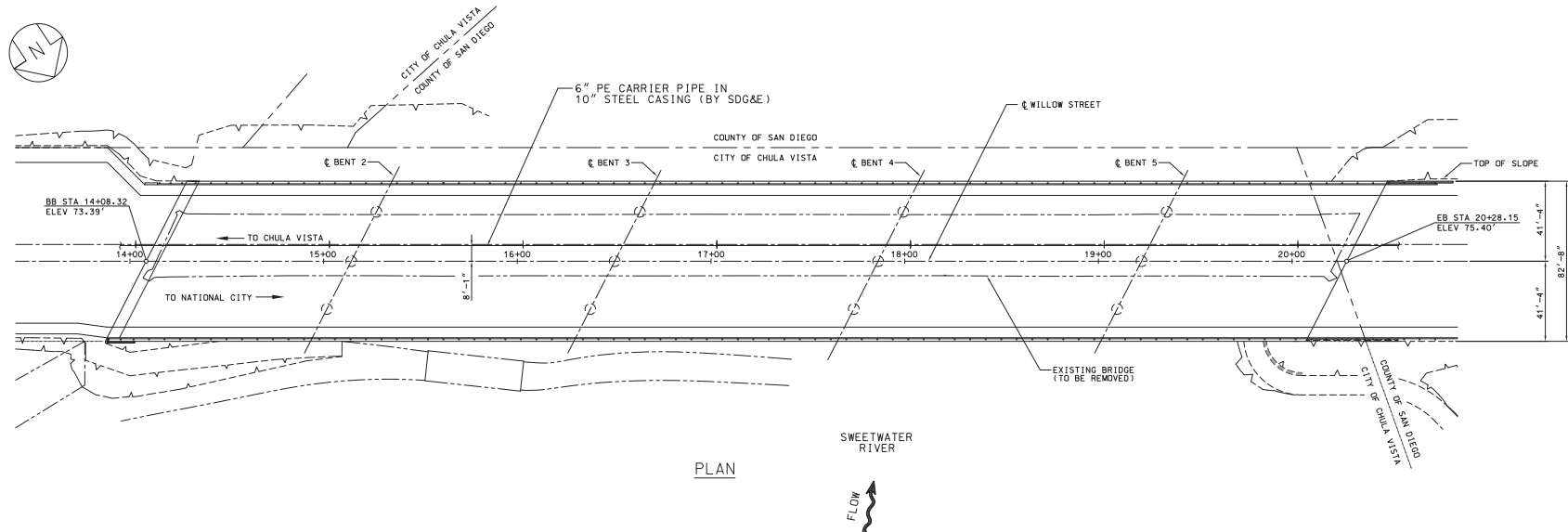
CONSTRUCTION RECORD	REFERENCES	REVISIONS	DATE	APP'D	DATUM	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	DATE: 10/12/16	APPROVED BY	DATE: 10/14/16	CITY OF CHULA VISTA PUBLIC WORKS-ENGINEERING	DRAWING NO.
CONTRACTOR: DMC, P.S. 64-100L, 69-23L, 69-31L, 69-18L, 69-158L, 73-141D, 75-208D, 75-114D THRU 141D, RS 1299-2 AND SURVEY	DATE: 10/12/16	ADDENDUM #2			VERTICAL DATUM: NVD 88 HORIZONTAL DATUM: CGS 83, ZONE 6, EPOCH 1993.35	AS NOTED	RESPONSIBLE CHARGE OF WORK: James T. Frost	DATE: 10/12/16	DATE: 10/12/16	DATE: 10/12/16	DATE: 10/14/16	DATE: 10/14/16	BRIDGE GENERAL PLAN (2 OF 2) FOR WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD	12013-61 CIP # STL-261

**GENERAL NOTES**

1. THE ABUTMENT OPENINGS AND HORIZONTAL LOCATION OF PIPE SHALL BE PER DIMENSIONS IN SHEET 110. VERTICAL LOCATION SHALL BE DETERMINED THROUGH SUPPORT HEIGHTS SHOWN IN SHEETS 111 AND 112.
2. SPACING BETWEEN SUPPORTS SHALL BE AS SHOWN ON THE DRAWINGS.
3. BRIDGE CONTRACTOR SHALL INITIATE A PRE-CONSTRUCTION MEETING WITH SDG&E 6 WEEKS PRIOR TO CONSTRUCTION. PRESENT SHALL BE THE SDG&E PROJECT PLANNER AND GENERAL FOREMAN FOR INSTALLATION.
4. BRIDGE CONTRACTOR SHALL NOTIFY SDG&E PROJECT PLANNER PRIOR TO SCHEDULED WORK AND SHALL ALLOW TIME IN ITS CONSTRUCTION SCHEDULE FOR SDG&E TO PERFORM THE FOLLOWING TASKS:
  - A. EMBEDDED REBAR INSPECTION  
BRIDGE CONTRACTOR SHALL NOTIFY SDG&E AT LEAST 30 DAYS PRIOR TO PLACEMENT OF SOFFIT AND SHALL INSTALL ANCHOR REBAR BEFORE SOFFIT IS PLACED.
  - B. BRIDGE CONTRACTOR SHALL ALLOW SDG&E ACCESS TO INSPECT ANCHOR REBAR PLACEMENT PRIOR TO PLACEMENT OF CONCRETE FOR SOFFIT.
5. BRIDGE CONTRACTOR SHALL PERFORM 28-DAY CONCRETE STRENGTH TESTS FOR THE CONCRETE USED IN THE PIPE SUPPORTS AND SUBMIT CONCRETE TEST RESULTS TO SDG&E ENGINEERING.

**CONCRETE NOTES**

1. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AFTER 28 DAYS.
2. CEMENT SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C-150 TYPE II UNLESS OTHERWISE NOTED.
3. AGGREGATE SHALL CONFORM TO ASTM C33 AND SHALL HAVE A MAXIMUM SIZE OF 1 INCH.
4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.
5. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE PLACING CONCRETE.
6. ALL BARS SHALL BE CLEAR OF DUST, GREASE OR OTHER MATERIALS THAT MIGHT AFFECT IT'S BOND TO CONCRETE. ALL BARS BENDS SHALL BE MADE COLD.
7. ANCHOR BOLTS SHALL CONFORM TO ASTM A307 UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE GALVANIZED AND TIGHTENED TO THEIR PROOF LOADS BY THE TURN-OF-NUT METHOD.
8. CONCRETE FINISH:
  - HORIZONTAL SURFACE SHALL HAVE A STEEL TROWEL FINISH;
  - VERTICAL SURFACE SHALL BE FILLED AND SACKED TO PROVIDE SMOOTH SURFACE FREE OF VOIDS.
9. ALL EMBEDDED STEEL ITEMS EXPOSED TO ATMOSPHERE SHALL HAVE THE STEEL SURFACES PREPARED AND BE SHOP PRIMED OR HOT DIPPED GALVANIZED PER NOTE IN ACCORDANCE WITH ASTM A123.



PLAN



ISSUED FOR CONSTRUCTION

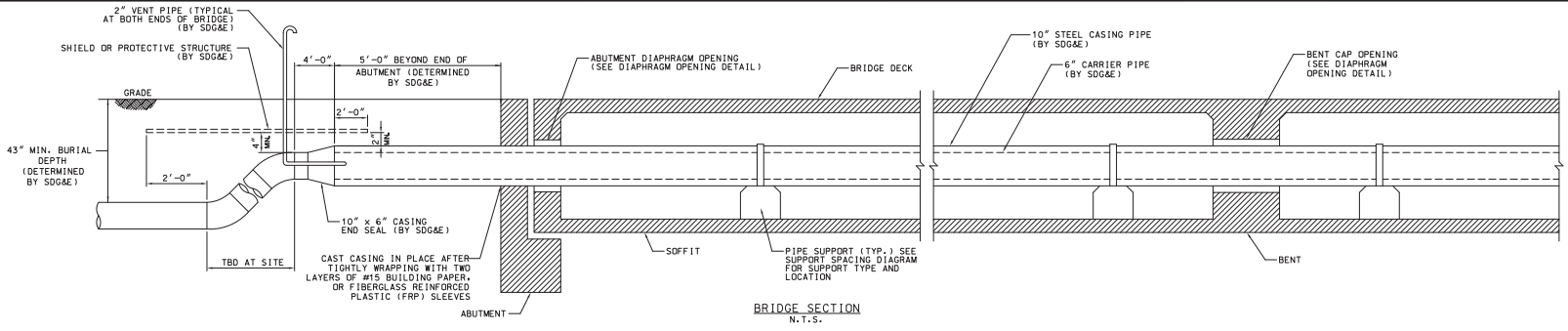
PROJECT NO.	10/22/13	ISSUED FOR CONSTRUCTION
DATE	10/22/13	SECTION
<b>San Diego Gas &amp; Electric</b> GAS ENGINEERING LOS ANGELES		
6" PE PIPE IN 10" STEEL CASING WILLOW STREET BRIDGE PLAN AND GENERAL NOTES		
BY	DATE	
DESIGNED IN W/STN	10/17/13	
DRAWN IN COLLING	10/17/13	
CHECKED IN W/STN	10/17/13	
APPROVED IN P/MS/LS	10/17/13	
DATE FILED IN PE	10/17/13	
BY	DATE	
ISSUED	10/22/13	
DATE	10/22/13	
PROJECT NO.	32701-4001-D.STR	0

AS-BUILT		UTILITY NOTE	
SIGNATURE	DATE	ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.	
Printed Name	P.E. No.		
My Registration Expires	Discipline		



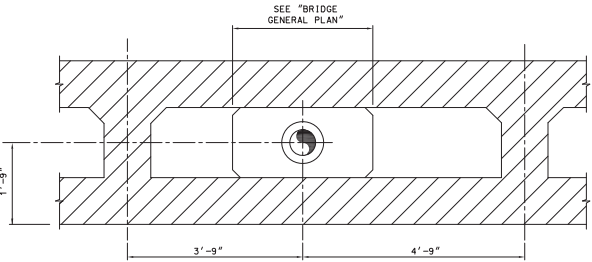
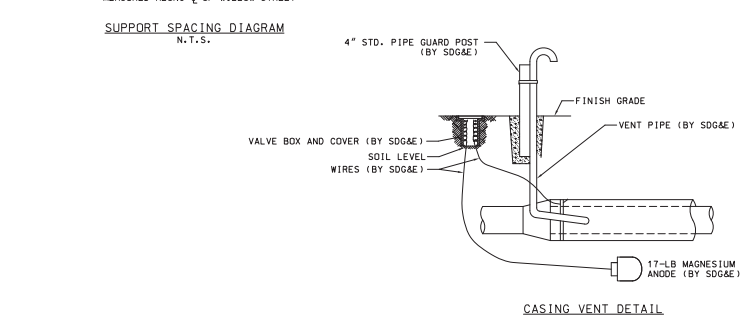
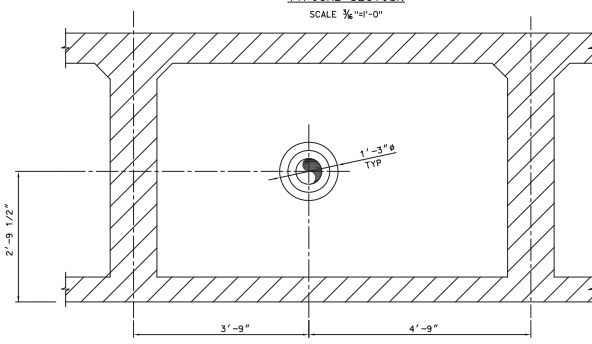
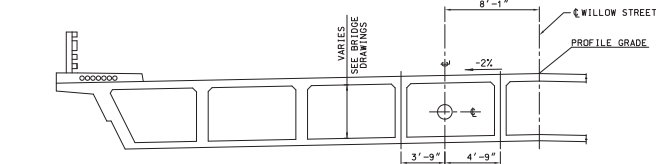
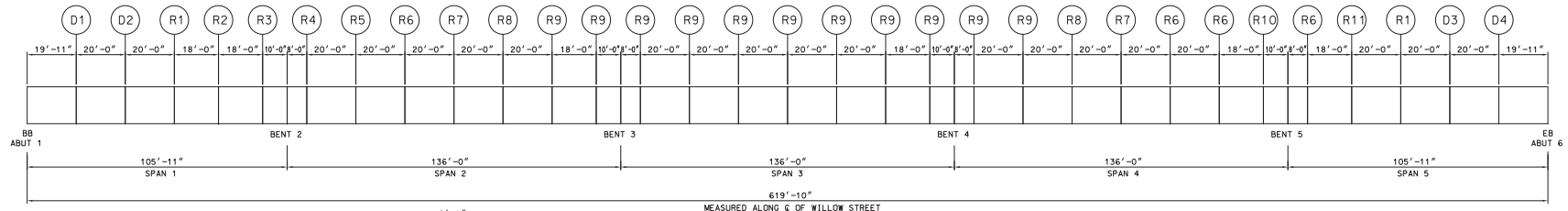
CONTRACTOR:	DWG. #S 64-101L 68-02L, 69-32L 69-18L, 69-158L, 73-141L, 76-208L, 78-140L THRU 141L, RS 1299-2 AND SURVEY NOTES	DATE COMPLETED:	
INSPECTOR:		DATE COMPLETED:	
DATE COMPLETED:		DATE COMPLETED:	

CITY OF CHULA VISTA PUBLIC WORKS-ENGINEERING	DRAWING NO.
6" PE PIPE IN 10" STEEL CASING PLAN FOR WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD	12013-109
	CIP # STL-261



**GENERAL NOTES**

1. THE AXIS OF EACH DIAPHRAGM OPENING MUST BE PARALLEL TO THE AXIS OF THE PIPE.
2. CONTRACTOR SHALL VERIFY ALL CONTROLLING DIMENSIONS PRIOR TO ORDERING, FABRICATING AND INSTALLING ANY MATERIAL.
3. FOR SUPPORT TYPES D1 THROUGH D4 SEE SHEET 112. FOR SUPPORT TYPES R1 THROUGH R11 SEE SHEET 111.



**ISSUED FOR CONSTRUCTION**

PROJECT NO.	PE13-010	DATE	03/20/16	REVISION	REVISED GENERAL NOTES
NO.	PE13-010	DATE	11/22/13	REVISION	ISSUED FOR CONSTRUCTION
CONTRACTOR NAME & PROJECT NUMBER	San Diego Gas & Electric GAS ENGINEERING LOS ANGELES				
BY	DATE	SDFE			
DESIGNED BY	DATE	6" PE PIPE IN 10" STEEL CASING WILLOW STREET BRIDGE PIPE SUPPORT DETAILS			
DRAWN BY	DATE				
CHECKED BY	DATE				
APPROVED BY	DATE				
SCALE	AS NOTED	32701-4002-D.STR			

<b>AS-BUILT</b>		<b>UTILITY NOTE</b>	
SIGNATURE	DATE	ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.	
Printed Name	P.E. No.		
My Registration Expires	Discipline		
CONSTRUCTION RECORD	REFERENCES	REVISIONS	
CONTRACTOR:	DWG. FS 64-101L 69-02L, 69-32L 69-18L, 69-1580L, 73-1410L, 76-2080L, 78-1400 THRU 1410L, RS 1299-2 AND SURVEY NOTES	Date	App'd
INSPECTOR:			
DATE COMPLETED:			

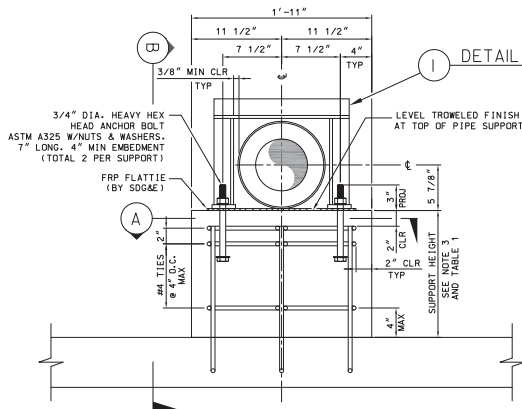


CITY OF CHULA VISTA  
PUBLIC WORKS-ENGINEERING  
276 FOURTH AVENUE  
CHULA VISTA, CA 91910  
(619) 456-2601

DESIGNED BY:	DATE:	DRAWN BY:	DATE:
RESPONSIBLE CHARGE OF WORK:		R.C.E. No.:	

CHECKED BY:	DATE:	APPROVED BY:	DATE: 10/14/16
 J. POWELL - PRINCIPAL CIVIL ENGINEER			

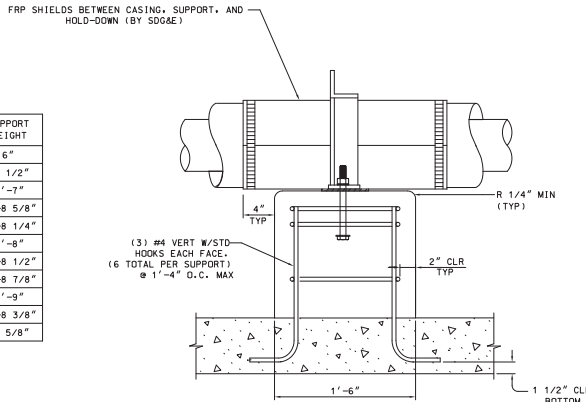
CITY OF CHULA VISTA PUBLIC WORKS-ENGINEERING	DRAWING NO.
PIPE SUPPORT DETAILS FOR: WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD	12013-110 CIP # STL-261



LATERAL RESTRAINING  
TYPE "R" SUPPORT

SUPPORT NUMBER	SUPPORT HEIGHT
R1	6"
R2	10 1/2"
R3	1'-7"
R4	1'-8 5/8"
R5	1'-8 1/4"
R6	1'-8"
R7	1'-8 1/2"
R8	1'-8 7/8"
R9	1'-9"
R10	1'-8 3/8"
R11	11 5/8"

TABLE 1

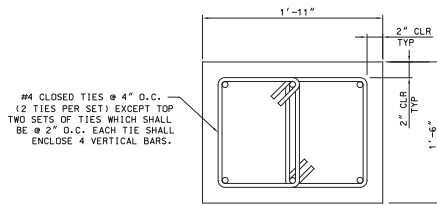


SIDE VIEW  
RESTRAINING SUPPORTS

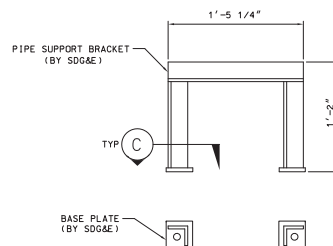
SECTION B

NOTES:

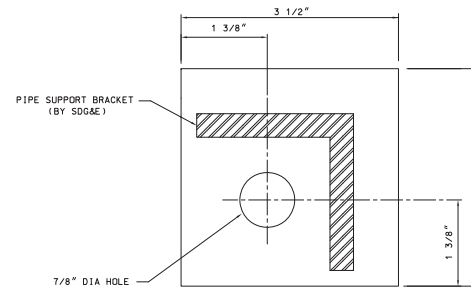
- FOR GENERAL NOTES & SUPT. SPACING DIAGRAM, SEE SHEETS 109 AND 110.
- PIPELINE IS NOT TO FOLLOW THE HORIZONTAL CURVATURE OF THE BRIDGE, BUT IS TO REMAIN STRAIGHT. HORIZONTAL POSITION OF SUPPORTS TO FOLLOW PIPE RATHER THAN GIRDER.
- FOR R1-R11 SUPPORT LOCATIONS, REFER TO SUPPORT SPACING DIAGRAM ON SHEET 110.



SECTION A  
(ANCHOR BOLTS NOT SHOWN FOR CLARITY)

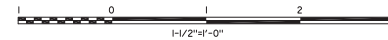


DETAIL I



SECTION C

SCALE: 1 = 1



ISSUED FOR CONSTRUCTION

NO.	REVISION	DATE	DESCRIPTION
1	PE13-010	2/27/18	UPDATED LATERAL RESTRAINING
2	PE13-010	01/22/18	UPDATED LATERAL RESTRAINING & BASE PLATE
3	PE13-010	11/22/13	ISSUED FOR CONSTRUCTION

CONTRACTOR NAME & PROJECT NAME	DATE	DESCRIPTION
Son Diego Gas & Electric GAS ENGINEERING LOS ANGELES	10/14/16	ISSUED FOR CONSTRUCTION

BY	DATE
CHRISTOPHER N. HADSON	05/25/13
CHRISTOPHER N. HADSON	05/25/13
CHRISTOPHER N. HADSON	05/25/13
APPROVED BY	DATE
J. POWELL	05/07/13

SCALE	DATE
1/2" = 1'	10/14/16

AS-BUILT	UTILITY NOTE
SIGNATURE _____ DATE _____ Printed Name _____ P.E. No. _____ My Registration Expires _____ Discipline _____	ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.



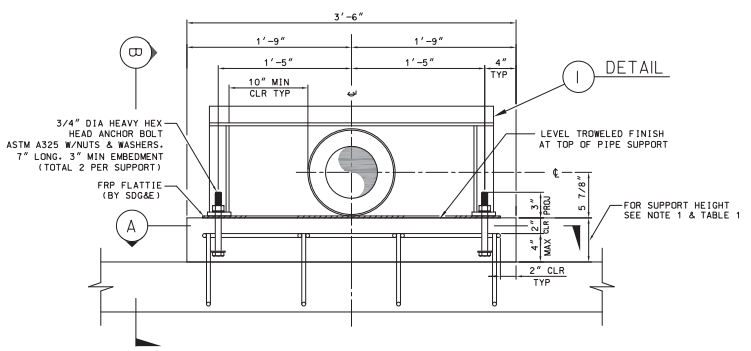
CONSTRUCTION RECORD	REFERENCES	REVISIONS	DATE	APP'D	DATUM
CONTRACTOR: _____ INSPECTOR: _____ DATE COMPLETED: _____	DWG. FS 64-TOTL 68-02, 68-32, 69-18, 69-1580, 73-1410, 76-2080, 78-1400 THRU 1410, 85 1299-2 AND SURVEY NOTES				VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: GCS 83, ZONE 6, EPOCH 1991.35

SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	DATE	APPROVED BY	DATE
HORIZONTAL AS NOTED VERTICAL AS NOTED	M. USAY	J. LANZBERA			J. POWELL	10/14/16

RESPONSIBLE CHARGE OF WORK: _____ DATE: _____ R.C.E. No.: _____	APPROVED BY: _____ DATE: 10/14/16
-----------------------------------------------------------------------	--------------------------------------

CITY OF CHULA VISTA PUBLIC WORKS-ENGINEERING WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD	DRAWING NO. 12013-111 CIP # STL-261
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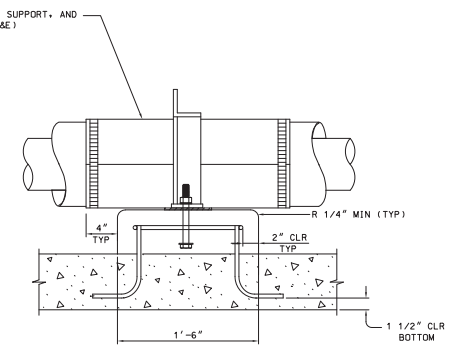




LATERAL DISPLACEMENT  
TYPE "D" SUPPORT

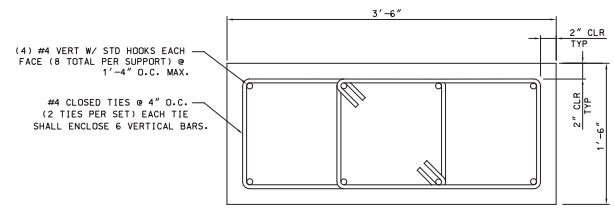
SUPPORT NUMBER	SUPPORT HEIGHT
D1	5 5/8"
D2	4 3/4"
D3	3 7/8"
D4	4 3/8"

TABLE 1

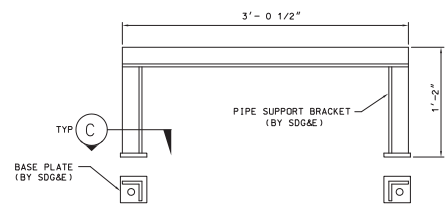


SIDE VIEW  
DISPLACEMENT SUPPORTS

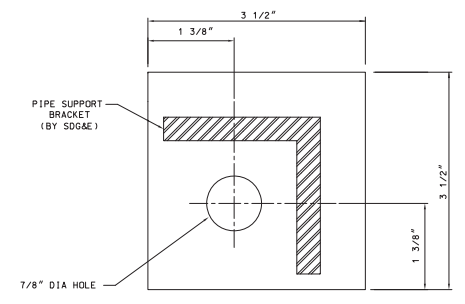
SECTION B



SECTION A

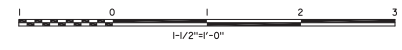


DETAIL I



SECTION C  
SCALE: 1 = 1

NOTES:  
1. FOR D1-D4 SUPPORT LOCATIONS, REFER TO SUPPORT SPACING DIAGRAM ON SHEET 110.



ISSUED FOR CONSTRUCTION

NO.	DATE	BY	DESCRIPTION
PE13-010	2/07/15		UPDATED LATERAL DISPLACEMENT AND SECTION A
PE13-010	05/22/15		UPDATED SECTION A & BASE PLATE
PE13-010	08/22/15		ISSUED FOR CONSTRUCTION

CONTRACTOR	PROJECT NUMBER	DATE	DESCRIPTION
Son Diego Gas & Electric	32701-4004-D.STR	10/14/16	WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD

CONTRACTOR	DATE	DISCIPLINE
AS-BUILT		

UTILITY NOTE
ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM RECORD DATA AT THEIR APPROXIMATE LOCATIONS. UNDERGROUND FACILITIES MAY EXIST WHICH HAVE NOT BEEN REPORTED OR ARE NOT OF RECORD. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PERTINENT UTILITIES IN THE FIELD PRIOR TO THE START OF CONSTRUCTION.



CONSTRUCTION RECORD	REFERENCES	REVISIONS	DATE	APP'D	DATUM	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	DATE	APPROVED BY	DATE	CITY OF CHULA VISTA PUBLIC WORKS-ENGINEERING	DRAWING NO.	
CONTRACTOR: DMC JS 64-101L 68-02L 69-32L 69-18L 69-158L 73-1410L 76-2080L 78-1400L THRU 1410L RS 1299-2 AND SURVEY NOTES	DWG. JS 64-101L 68-02L 69-32L 69-18L 69-158L 73-1410L 76-2080L 78-1400L THRU 1410L RS 1299-2 AND SURVEY NOTES				VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: GCS 83, ZONE 6, EPOCH 1991.35	HORIZONTAL AS NOTED VERTICAL AS NOTED	DESIGNED BY: N. JAVAN RESPONSIBLE CHARGE OF WORK:	DRAWN BY: J. LANZARERA DATE: R.C.E. No.:	CHECKED BY: DATE:	APPROVED BY: J. P. [Signature] DATE: 10/14/16 JESUS GOMEZ, P.E./P.L.S. - PRINCIPAL CIVIL ENGINEER	10/14/16	10/14/16	WILLOW STREET BRIDGE REPLACEMENT BETWEEN BONITA ROAD AND VALLEY VISTA ROAD	32701-4004-D.STR	2

# EXHIBIT "B"

**City of Chula Vista**  
 PUBLIC WORKS-ENGINEERING  
**BETTERMENT COST AS BID**

<b>Project Title:</b>	<b>Project Number:</b>
WILLOW STREET BRIDGE REPLACEMENT PROJECT	STL-261
31 SDG&E Gas Line Pipe Supports in Bridge Cell	DATE: December 20, 2016
	PREPARED BY: P. Oberbauer
	CHECKED BY: G. Tscherch

No.	Description	Quantity	Unit	Unit Price	Amount
1	Volume of Concrete for Pipe Supports	5	CY	\$1,500.00	\$7,500
2	Bar Reinforcing Steel	1,012	LB	\$2.25	\$2,277
3	Miscellaneous Metal for Pipe Restrainer	744	LB	\$10.00	\$7,440
				<b>SUBTOTAL</b>	<b>\$17,217</b>
	5% CONTINGENCY			\$17,217.00	\$861
				<b>TOTAL:</b>	<b>\$ 18,078</b>
Notes:					