



August 24, 2018

TO: ALL BIDDERS

**Cross Alameda Trail
Ralph Appezato Memorial Parkway Improvements**

a.k.a.

CAT / RAMP + Gap

**ALONG RAMP and ATLANTIC AVENUE BETWEEN
MAIN STREET and CONSTITUTION WAY**

PROJECT NUMBER P.W. 03-18-11

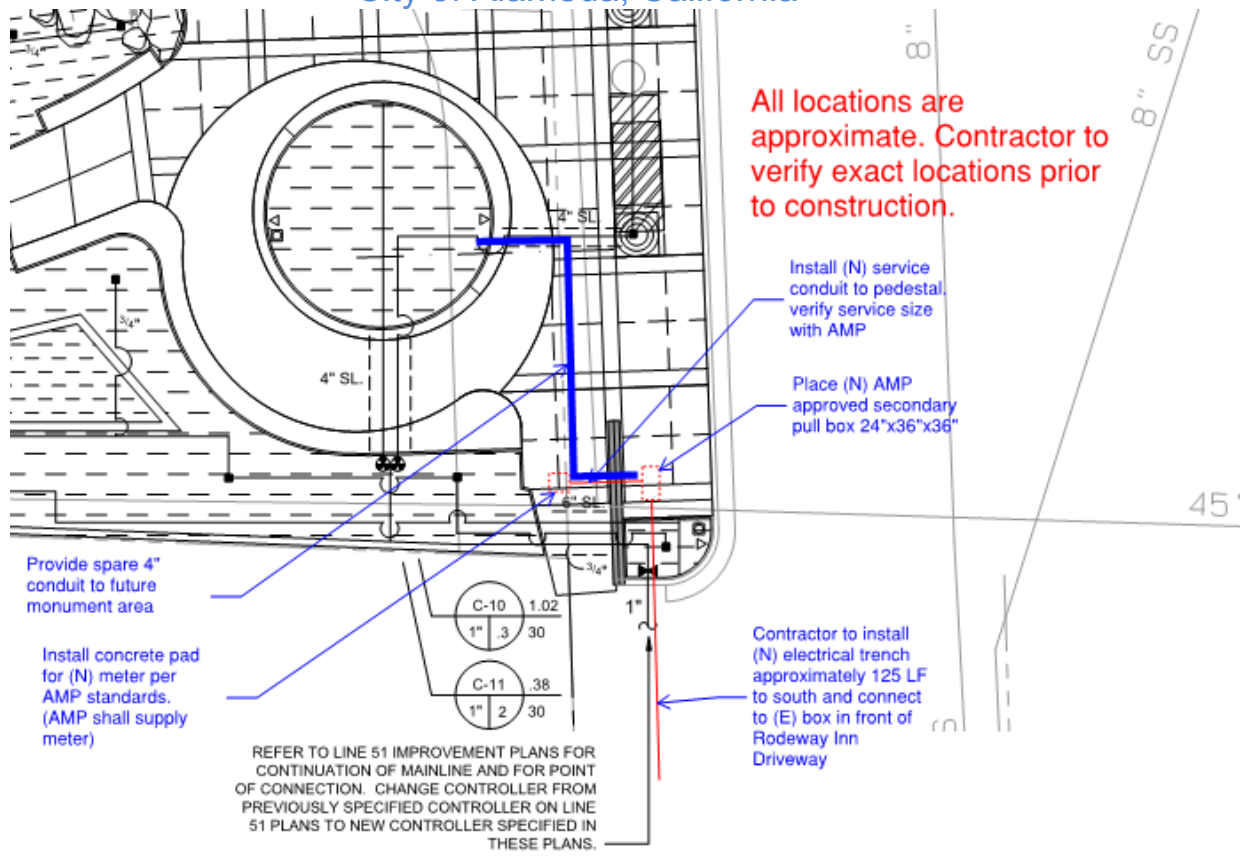
ADDENDUM NO. 06

(Note: All Addenda reside on BPXpress's (Richmond) website – including previous Addenda No. 01 through 05. See BPXpress, Central Avenue, Richmond, CA website; Online Planroom, "Find Jobs to Bid", City of Alameda; Cross Alameda Trail, Ralph Appezato Memorial Parkway Improvements, "View project details".)

Addendum No. 06 is hereby issued for bid documents' clarification and/or in response to the following Bidders' Questions, responses for which are hereby incorporated into the Bidding Documents:

1) Question: Where will power come from for the irrigation control if the lighting bid alternate is not executed?

Answer: Power shall be drawn from the existing box approximately 125 feet south of the project. Contractor shall trench through existing sidewalk to the location of the existing box and construct a trench according to AMP standards. The trench shall be installed according to AMP detail 1-L-412 contain the following (4) -4" conduits. One conduit shall contain a #2 conductor for service. One secondary box shall be provided and installed by the contractor as well as a service conduit to the pedestal. The contractor is responsible for the pedestal and AMP will provide the meter. The contractor shall also provide the service downstream of the meter to the (N) irrigation controller. Please see Addendum 4 for approximate location of the irrigation meter. The contractor shall provide saw cutting, demolition and off haul necessary to perform this work. For bidding purposes it is anticipated that approximately 500 square feet of (N) Alameda concrete sidewalk will need to be installed by the contractor. Also note that this item will only be executed if the lighting bid alternate is not selected by the City. This will require the contractor to provide a stub to the future lighting anticipated for the plaza. See sketch below of Sheet IR-1 for more information and attachment with pertinent AMP standards. This works shall be paid under the irrigation lump sum item #120.



Attachments: **New Service Irrigation Schematic and AMP Details**

APPROVED: *Jack Dybas*

Date: August 24, 2018



Jack Dybas, Project Manager II
City of Alameda / Public Works
950 West Mall Square / Alameda, CA 94501
(510) 747-7948 / jdymas@alamedaca.gov

Receipt is hereby acknowledged of **Addendum No. 06**, for **Cross Alameda Trail (CAT/RAMP + Gap)**, No. P.W. 03-18-11

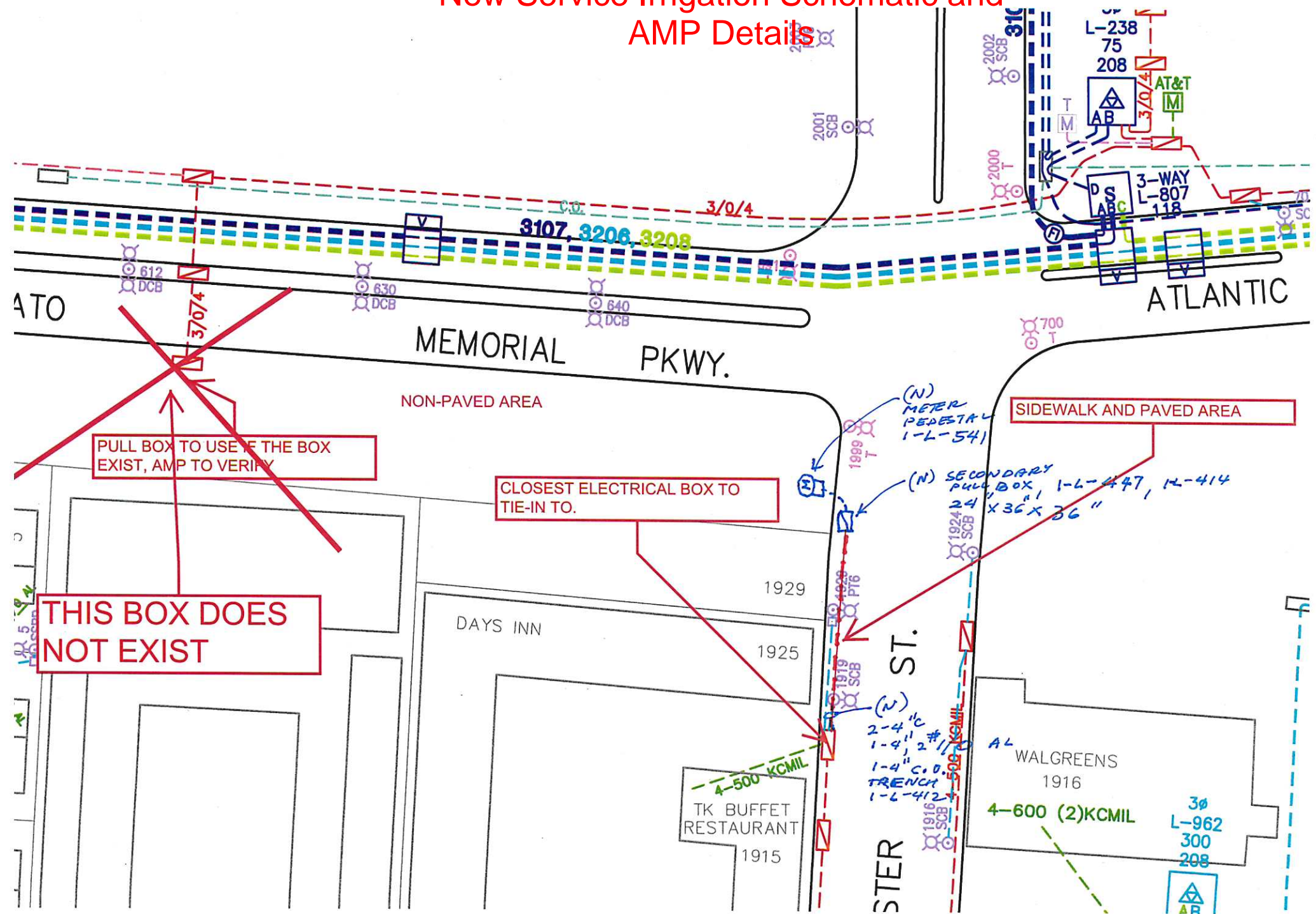
Company Name / Contractor

Date: _____

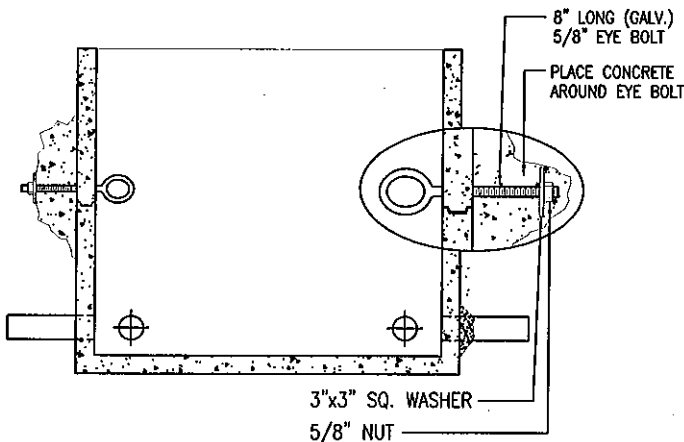
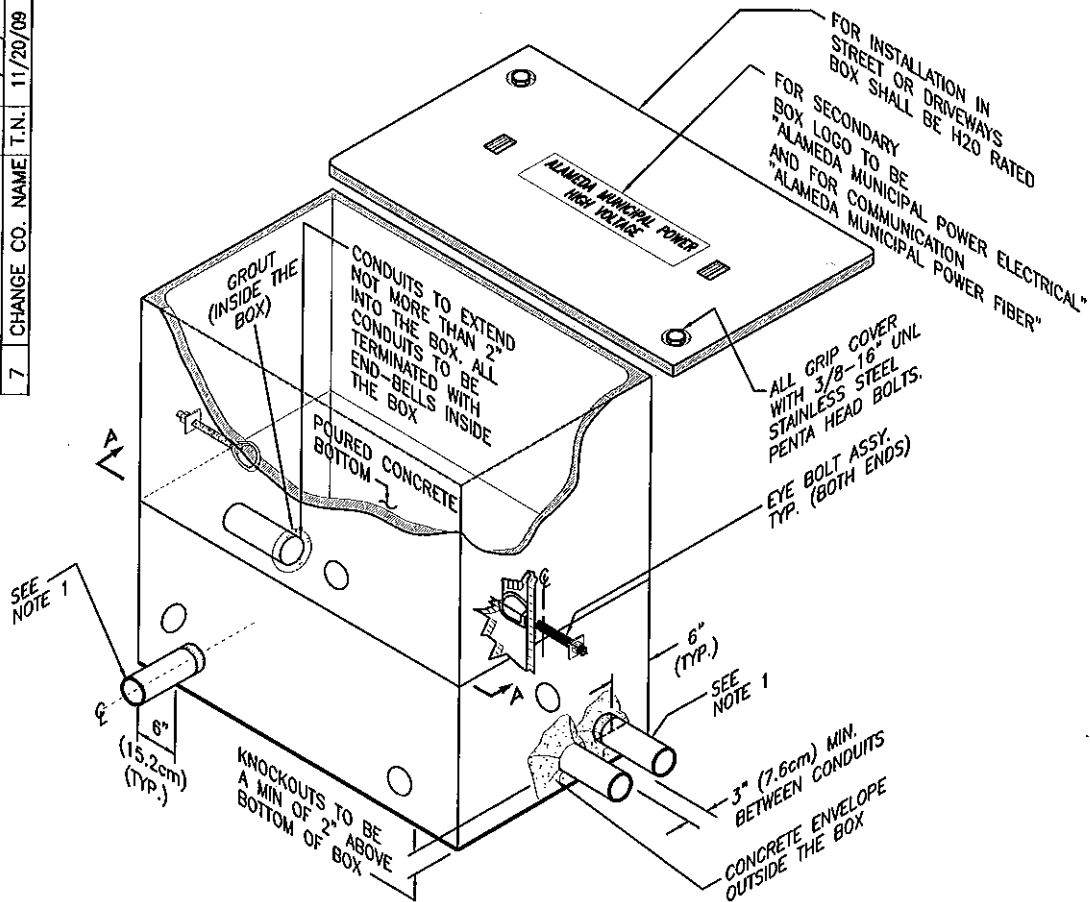
By: _____

NOTE: THIS ADDENDUM (minus the attachments and/or exhibits), SIGNED AND DATED, MUST BE RETURNED WITH YOUR BID.

New Service Irrigation Schematic and AMP Details



REV	DESCRIPTION	BY	DATE
1	ADDED ITEM 2	jmu	3/11/02
2	ADDED ITEM 3	jmu	5/3/02
3	ADDED COVER CATALOG #.	jmu	9/9/03
4	ADDED NOTE 4	CB	10/15/03
5	ADDED NEW 36"x60" BOX	J.U.	6/30/04
5	ADDED EYE BOLT	J.U.	4/22/05
6	UPDATED SECTION C.B.	C.B.	4/10/06
7	CHANGE CO. NAME	T.N.	11/20/09



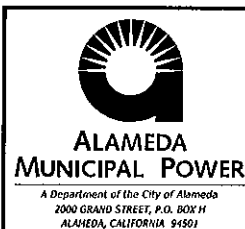
SECTION A-A
(SIDE VIEW)

NOTES:

1. ACTUAL NUMBER & LOCATION OF CONDUIT ENTRIES INTO THE BOX WILL BE DETERMINED IN THE FIELD BY ALAMEDA MUNICIPAL POWER (AMP) CONSTRUCTION INSPECTOR.
2. CONDUIT ENTRIES INTO THE BOX SHALL BE AT BOX PERIMETERS TO MAXIMIZE BENDING RADIUS OF FUTURE CABLE INSTALLATION.
3. BOX SHALL BE INSTALLED OVER MATERIAL COMPACTED TO 90% MIN.
4. BOX & COVER SHALL MEET OR EXCEED THE ANSI/SCTE 77 TIER15 OR "UL TIER 10" DESIGN & TEST LOAD REQUIREMENTS.

BOX SIZE	VENDOR/MFR *	CATALOG No.	
		BOX	COVER
SECONDARY 17"x30"x26" (43.2x76.2x66.0)	QUAZITE	PG1730BA18 PG1730BA08	PG1730HA
	CARSON	H1730-18 H1730-08	H1730-P1
	NEW BASIS	PCA173018A4973 PCA173008A4973	PCA1730
SECONDARY 24"x36"x36" (61x91.4x91.4)	QUAZITE	PG2436BA18 (2 EA.)	PG2436HA
	CARSON	H2436-18 (2 EA.)	H2436-P1
	NEW BASIS	PCA243618A4973 (2 EA. BOX ONLY)	PCA2436
PRIMARY/SECONDARY 30"x48"x36" (76.2x121.9x91.4)	QUAZITE	PG3048BA18 (2 EA.)	PG3048HA
	CARSON	H3048-18 (2 EA.)	H3048-P1 (ONE-PIECE)
	NEW BASIS	PCA304818A4973 (2 EA. BOX ONLY)	PCA3048
PRIMARY/SECONDARY 36"x60"x36" (91.4x152.4x91.4)	QUAZITE	PG3660BA18 (2 EA.)	PG3660HA
	CARSON	H3660-18 (2 EA.)	H3660-P1
	NEW BASIS	---	---

* OR OTHER APPROVED MANUFACTURER

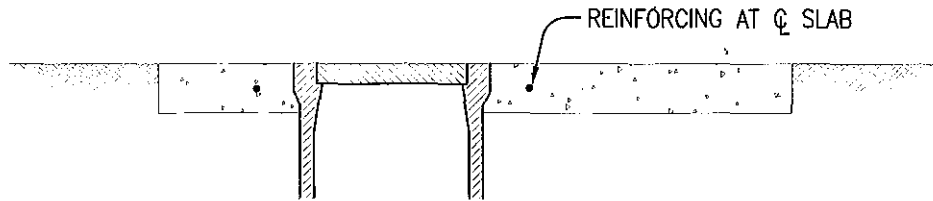


TITLE : **POLYMER-CONCRETE PRIMARY/SECONDARY BOX DETAILS FOR SIDEWALK & PLANTER APPLICATIONS (SIDE-ENTRY)**

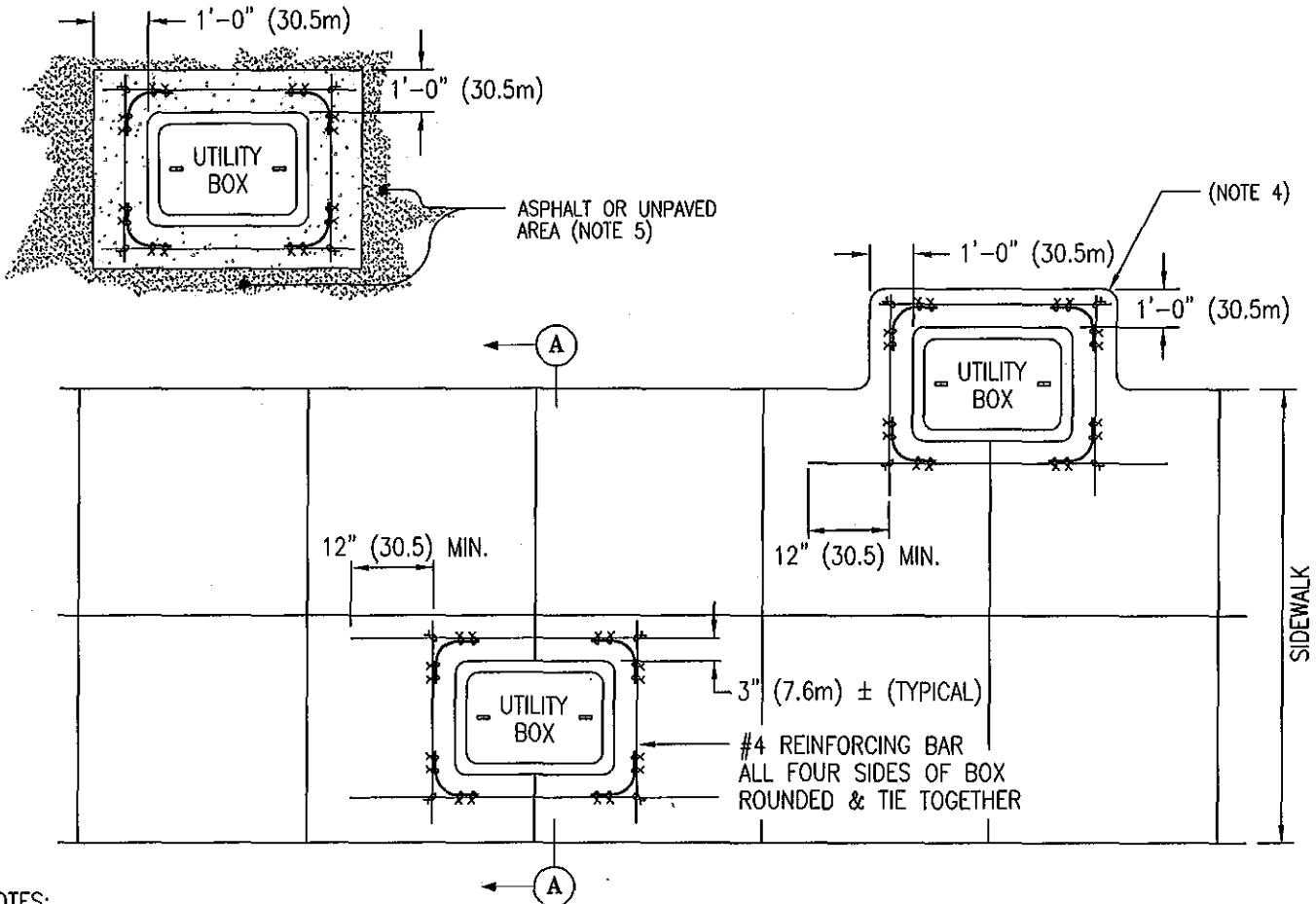
DRAWN :	L.V. ANCHETA	DATE: NOV. 25, 2009	DWG. NO. :	REV.
REVIEWED:	<i>[Signature]</i>	<i>[Signature]</i>	1-L-447	7
APPROVED:	<i>[Signature]</i>		SCALE : NTS	SHT. 1 OF 1

DETAIL OF REINFORCING AROUND UTILITY BOXES

REV	DESCRIPTION	BY	DATE
1	CHANGE CO. NAME	T.N.	11/20/09
2	ADDED NOTE 4 & 5	J.U.	12/03/09



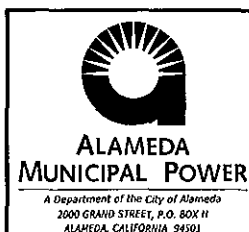
SECTION A



NOTES:

- THIS DRAWING IS BASED ON CITY OF ALAMEDA PUBLIC WORKS DEPARTMENT'S REQUIREMENT AS SHOWN IN DWG. 6080 CASE 22, DATED FEB, 1970.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN PARENTHESES ARE IN CENTIMETERS.
- CALL ALAMEDA MUNICIPAL POWER (AMP) FOR INSPECTION BEFORE POURING CONCRETE, TEL. (510) 748-3943.
- BOXES OR ENCLOSURES LOCATED IN OR PARTIALLY IN THE SIDEWALK SHALL BE PARALLEL TO THE EDGE OF SIDEWALK, **HAVING A MINIMUM OF 12 INCHES (30.5cm) OF CONCRETE AROUND THE OUTSIDE EDGE OF THE BOX.** WITH A #4 REINFORCING BAR ON ALL FOUR SIDES OF THE BOX.
- VAULT AND H-20 TRAFFIC LOADING BOX APPLICATION:** WHEN LOCATED IN UNPAVED AREAS, THE TOP OF THE VAULT OR TRAFFIC RATED BOX SHALL BE SET LEVEL APPROXIMATELY 1 INCH (2.5cm) ABOVE THE FINISHED GRADE. IN ADDITION, A MINIMUM OF 12 INCHES (30.5cm) OF 4-INCH THICK CONCRETE AROUND THE EDGE OF THE VAULT OR TRAFFIC RATED BOX WITH A #4 REINFORCING BAR ON ALL FOUR SIDES OF THE VAULT IS REQUIRED WHEN INSTALLED IN ASPHALT OR UNPAVED AREAS.

(NOTE: SUPERSEDES DRAWING #1-T-4)



TITLE :			
DETAIL OF REINFORCING REQUIRED AROUND UTILITY BOXES AND VAULTS			
DRAWN :	L.V. ANCHETA	DATE: JAN. 11, 2010	DWG. NO. :
REVIEWED:	<i>AN</i>	<i>AZ</i>	1-L-414
APPROVED:	<i>JMM</i>		REV. 2
SCALE : NTS			SHT 1 OF 1

REV	DESCRIPTION	BY	DATE
1	EXTENDED PAVED AREA ON TYPE B	jmu	5/3/02
2	REV. TITLE BLOCK	C.B.	8/20/03
3	ADDED NOTE 6	J.U.	9/01/04
4	REVISED DEPTH & CLEARANCES	A.C.	11/16/05
5	ADDED GAS & NOTE 7	A.C.	05/22/06
6	CHANGE CO. NAME		

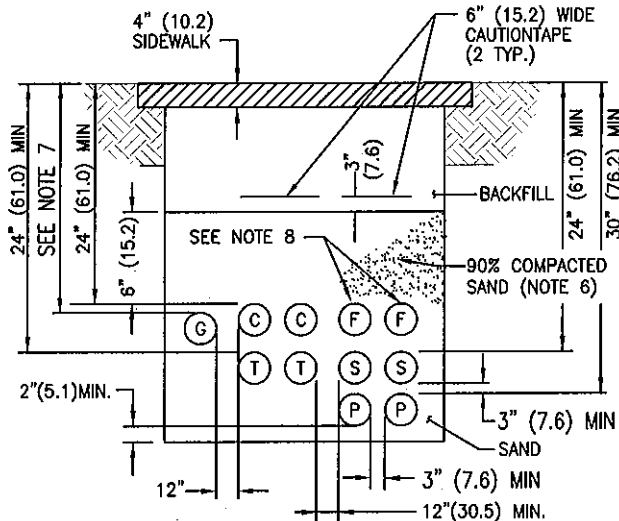
LEGEND

- G - GAS
- T - TELEPHONE
- C - CABLE TV-COAX
- F - FIBER
- S - SECONDARY
- P - PRIMARY

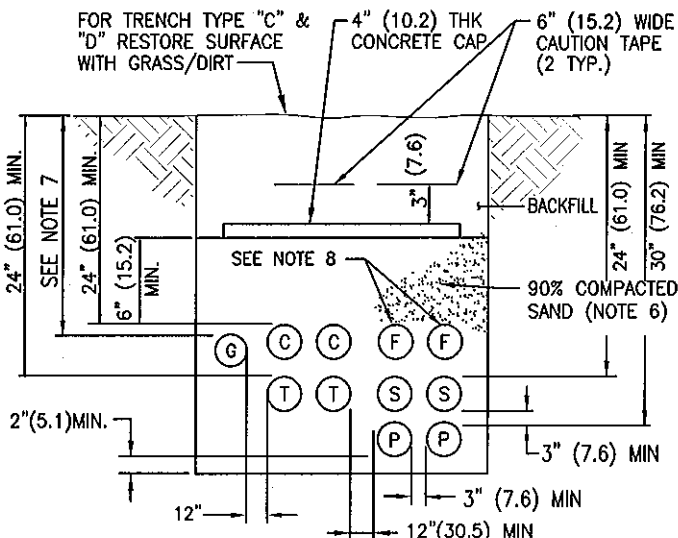
MIN. DEPTH AND CLEARANCES

	G	T	C	S	P	MIN. COVER
S	12" (30.5)	12"* (30.5)	12"* (30.5)	3" (7.6)	3" (7.6)	24" (61.0) IN SIDEWALK/DIRT/GRASS 30" (76.2) IN STREET
P	12" (30.5)	12" (30.5)	12" (30.5)	3" (7.6)	3" (7.6)	30" (76.2) SIDEWALK/DIRT/GRASS STREET
T	12" (30.5)	0	0	12"* (30.5)	12" (30.5)	24" (61.0) IN SIDEWALK/DIRT/GRASS 36" (91.4) IN STREET
C	12" (30.5)	0	0	12"* (30.5)	12" (30.5)	24" (61.0) IN SIDEWALK/DIRT/GRASS STREET
F	12" (30.5)	0	0	3" (7.6)	12" (30.5)	30" (76.2) SIDEWALK/DIRT/GRASS STREET

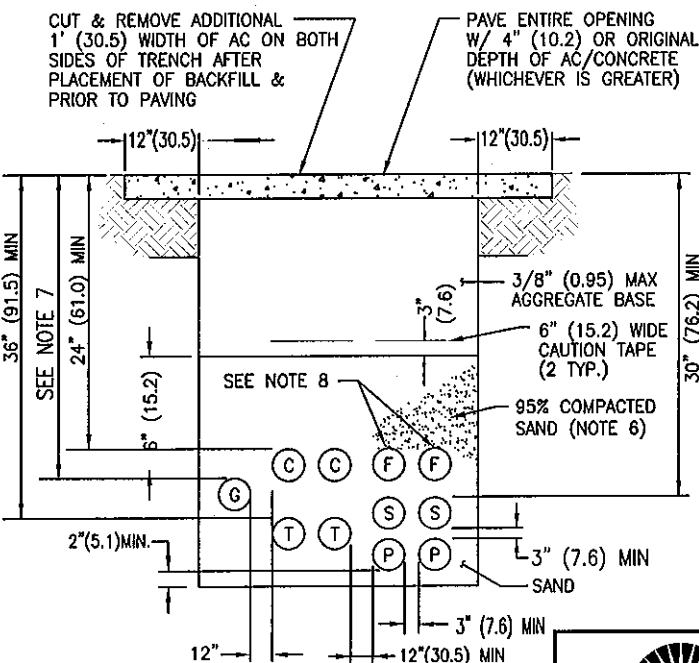
* CLEARANCE MAY BE REDUCED TO 3" IF MUTUALLY AGREED UPON BY INVOLVED UTILITIES.



TRENCH TYPE "A"
TRENCH IN SIDEWALK



TRENCH TYPE "C" & "D"
TRENCH IN GRASS/DIRT



TRENCH TYPE "B"
TRENCH IN STREET

NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN PARENTHESES ARE IN CENTIMETERS.
- ALL BACKFILL SHALL BE COMPACTED IN ONE FOOT LAYERS WITH A MINIMUM OF 90% COMPACTION FOR TRENCH A, C & D AND 95% COMPACTION FOR TRENCH TYPE B. COMPACTION MAY BE SUBJECT TO TESTING.
- CONCRETE CAP MAY BE "RAPID SET" PCC.
- ALL TRENCH WORK SUBJECT TO ALAMEDA MUNICIPAL POWER (AMP) INSPECTION. CALL AMP FOR INSPECTION BEFORE BACKFILLING TRENCH, TEL (510) 748-3943.
- THIS DRAWING IS FOR REFERENCE ONLY AND, IS SUBJECT TO DEVELOPER'S AND ALL INVOLVED UTILITIES' APPROVED PLAN AND SPECIFICATIONS.
- SAND SHALL BE SUITABLE FOR THE PURPOSE INTENDED, AND SHALL BE OF SUCH SIZE THAT 90 PERCENT TO 100 PERCENT WILL PASS A 4.75-mm (No. 4) SIEVE AND NOT MORE THAN 5% WILL PASS A 75-um (No. 200) SIEVE.
- REFER TO GAS UTILITY FOR MINIMUM COVER REQUIREMENTS.
- AMP FIBER CONDUITS MAY BE PLACED ON THE SAME VERTICAL ALIGNMENT WITH AMP ELECTRIC CONDUITS AS LONG AS PROPER DEPTH & CLEARANCES ARE MAINTAINED.



ALAMEDA MUNICIPAL POWER

A Department of the City of Alameda
2000 GRAND STREET, P.O. BOX H
ALAMEDA, CALIFORNIA 94501

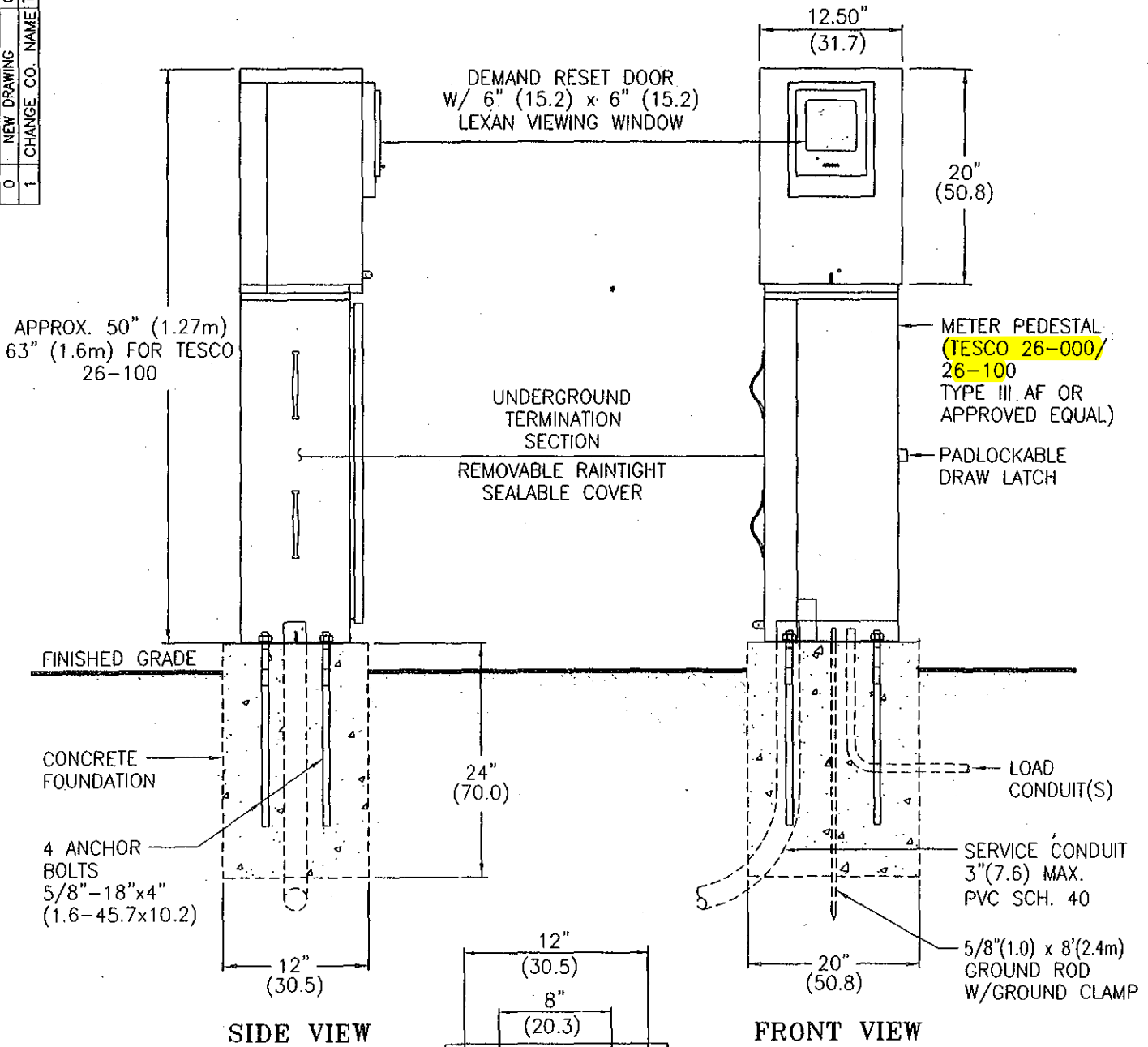
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DRAWN :	L.V. ANCHETA	DATE: NOV. 24, 2009	DWG. NO. :	REV.
REVIEWED:	[Signature]	[Signature]	1-L-412	6
APPROVED:	[Signature]		SCALE : NTS 6 1/8" = 1"	1 OF 1

(NOTE: SUPERSEDES DRAWING #1-F-301)

REV	DESCRIPTION	BY	DATE
0	NEW DRAWING	C.B.	07/01/04
1	CHANGE CO. NAME	T.N.	11/20/09

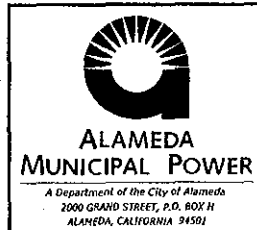
METERING SECTION
HOOD FRONT-TOP
& SIDES HINGED

METER SOCKET (100 AMP MIN.)
FACTORY WIRED FROM LINE
LANDING LUGS TO METER SOCKET
IN A SEPARATE WIREWAY



NOTES:

- METERING PEDESTAL MAY BE USED FOR STREETLIGHTING, PARK LIGHTING, IRRIGATION, PUMP STATIONS, ETC.
- EQUIPMENT SHALL MEET ALL EUSERC REQUIREMENTS.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN PARENTHESES ARE IN CENTIMETERS.
- CALL ALAMEDA MUNICIPAL POWER (AMP) FOR INSPECTION BEFORE POURING CONCRETE, TEL. 510-748-3943



TITLE : TYPICAL 100-AMPERE SINGLE-PHASE METERING PEDESTAL				
DRAWN :	L.V. ANCHETA	DATE: NOV. 20, 2009	DWG. NO. :	REV.
REVIEWED:	<i>[Signature]</i>		1-L-541	1
APPROVED:	<i>[Signature]</i>		SCALE : NTS	SHT 1 OF 1

M:\PwrDwgs\...er\L_Constructions\1L541.dwg November 20, 2009

A. ALL WORK MUST BE COMPLETED IN COMPLIANCE WITH MATERIALS AND INSTALLATION CRITERIA FOR UNDERGROUND ELECTRICAL SYSTEMS AVAILABLE AT ALAMEDA MUNICIPAL POWER (AMP) WEBSITE, www.alamedamp.com

B. LOCATION OF BOXES AND BOLLARDS WHERE REQUIRED IS DIAGRAMATIC. ACTUAL LOCATIONS SHOULD BE COORDINATED IN THE FIELD.

C. COORDINATE WITH AMP INSPECTOR TO DETERMINE LAYOUT OF TRENCH, CONDUIT, PULLBOX LOCATION, ORIENTATION AND CONDUIT PENETRATIONS IN/OUT OF PULLBOXES. CONDUIT TERMINATIONS IN AND OUT OF THE BOXES WILL BE DETERMINED BY AMP COMPLIANCE INSPECTOR IN THE FIELD.

D. ALL MAJOR FIELD CHANGES TO AMP SUBSTRUCTURES SHALL BE APPROVED BY BOTH INSPECTOR AND ENGINEER FROM AMP.

E. ALL CONDUITS SHALL BE MANDRELLED WITH A MANDREL APPROVED BY AMP INSPECTOR AFTER COMPACTION HAS BEEN ACHIEVED. ALL ELECTRICAL EMPTY CONDUITS SHALL BE PROVIDED WITH 2500LB LUBRICATED PULL TAPE.

F. PROVIDE EASEMENT FOR ACCESS TO AMP'S ELECTRICAL EQUIPMENT PRIOR TO INSTALLATION.