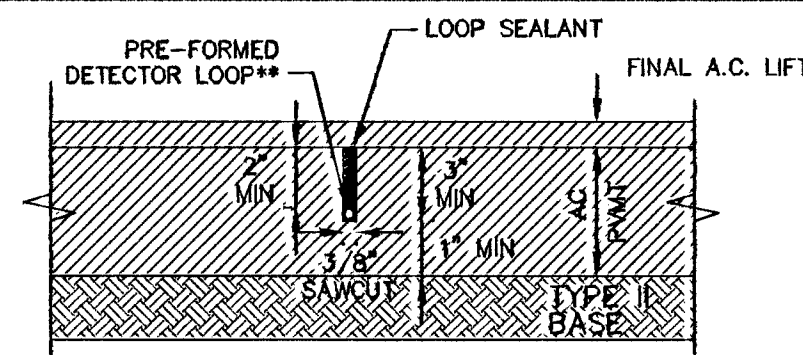
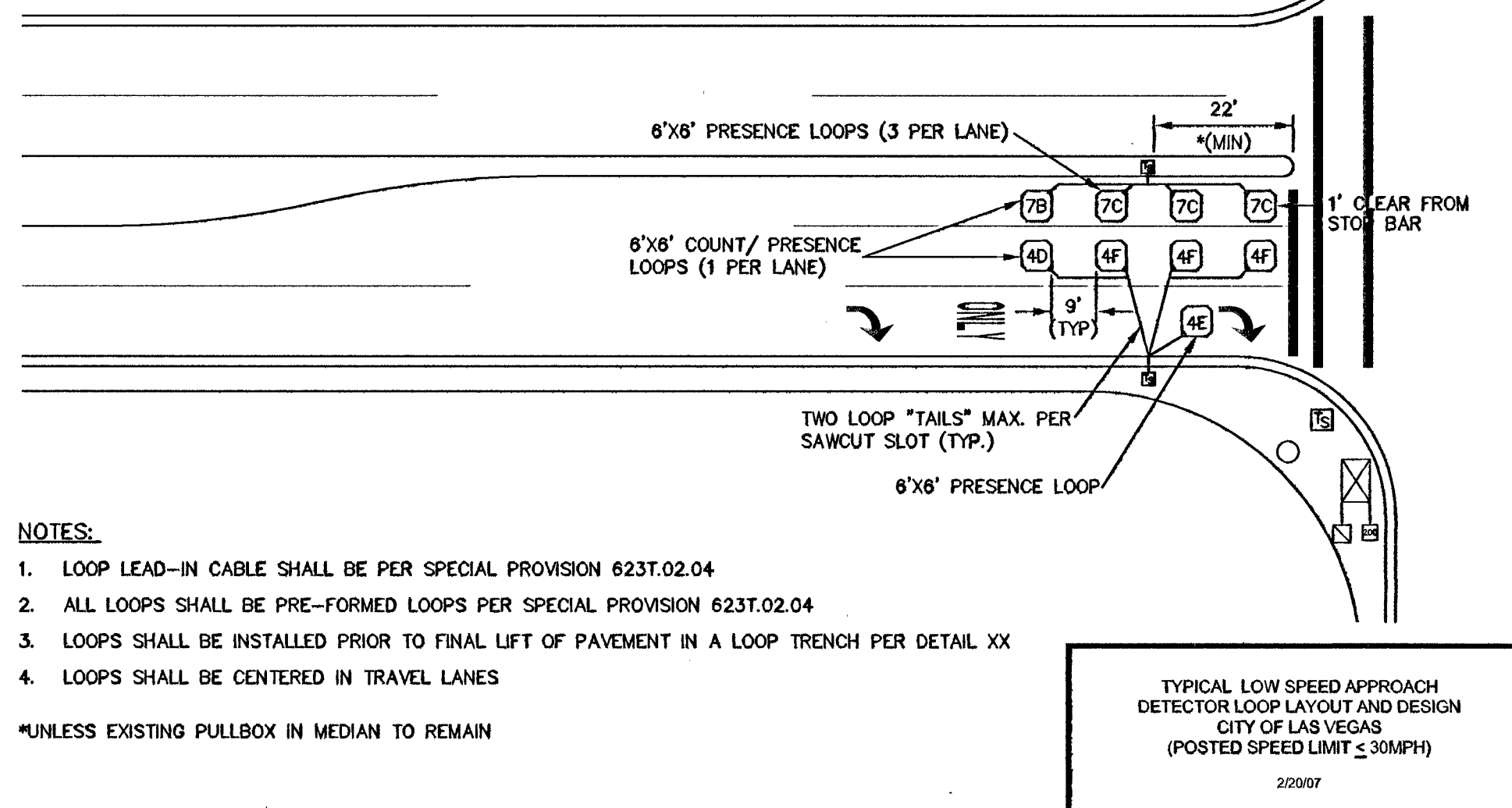


** AT LOCATIONS WHERE THE COMPLETE ROADWAY SECTION IS REPLACED WITH NEW AC PAVEMENT OR UNDER CONCRETE PAVEMENTS, THE CONTRACTOR SHALL PLACE THE PRE-FORMED DETECTOR LOOPS IN THE TYPE II BASE BELOW THE AC PAVEMENT PER THE LOOP VENDOR REQUIREMENTS.



LOOP DETECTOR INSTALLATION FOR PAVEMENT OVERLAY NOT TO SCALE



TYPICAL LOW SPEED APPROACH DETECTOR LOOP LAYOUT AND DESIGN CITY OF LAS VEGAS (POSTED SPEED LIMIT ≤ 30MPH)

NOTES:

1. LOOP LEAD-IN CABLE SHALL BE PER SPECIAL PROVISION 623T.02.04
2. ALL LOOPS SHALL BE PRE-FORMED LOOPS PER SPECIAL PROVISION 623T.02.04
3. LOOPS SHALL BE INSTALLED PRIOR TO FINAL LIFT OF PAVEMENT IN A LOOP TRENCH PER DETAIL XX
4. LOOPS SHALL BE CENTERED IN TRAVEL LANES

*UNLESS EXISTING PULLBOX IN MEDIAN TO REMAIN

PAIR No.	COLOR	PHASE LETTER DESIGNATION
1	BLACK & RED	A
2	BLACK & WHITE	B
3	BLACK & GREEN	C
4	BLACK & BLUE	D
5	BLACK & YELLOW	E
6	BLACK & BROWN	F

6-PAIR LOOP LEAD-IN CABLE ASSIGNMENTS (CLV MODIFIED)

PROPOSED TRAFFIC SIGNAL PEDESTAL EQUIPMENT

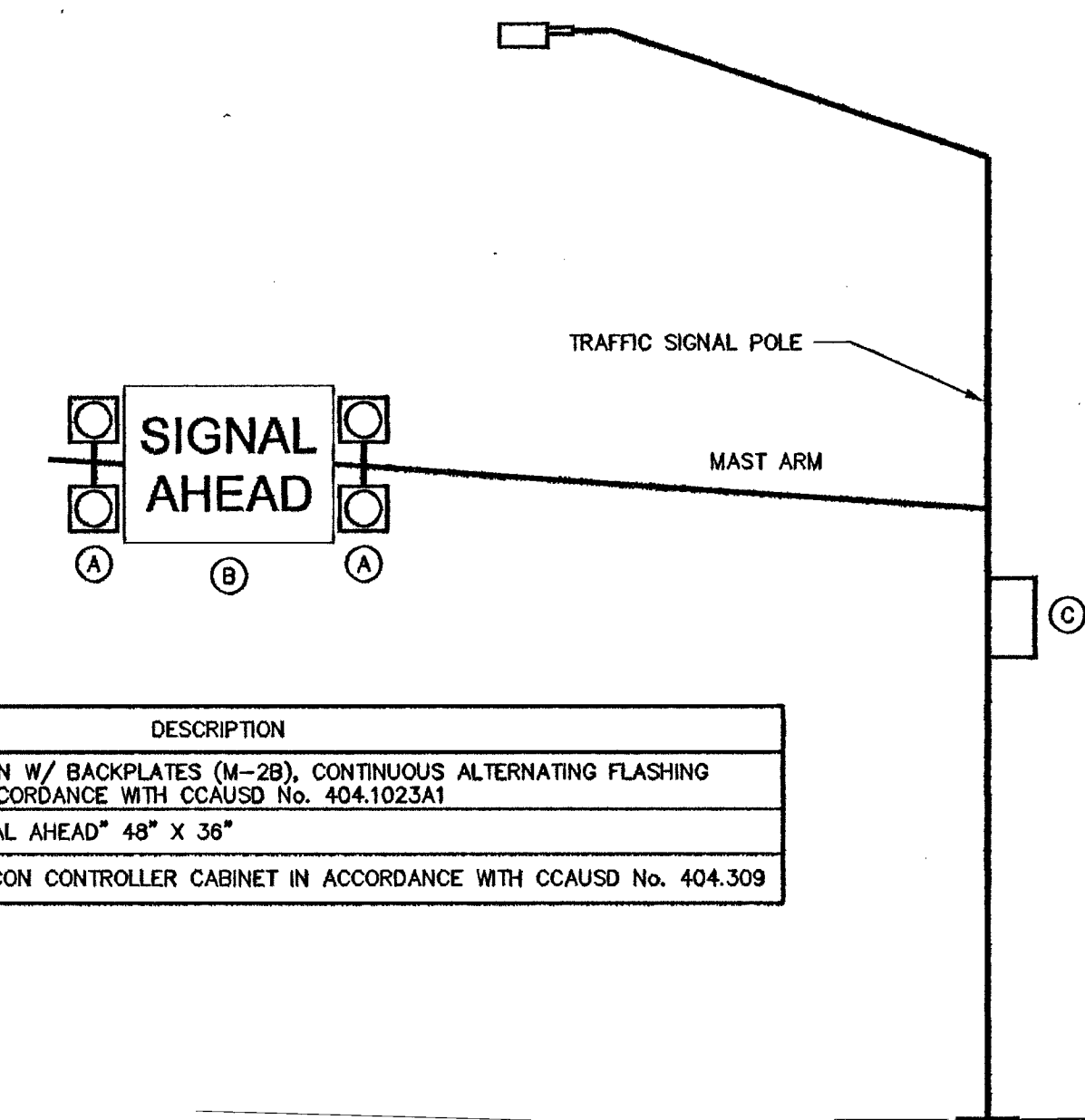
SERVICE TYPE	USE ***	INTERSECTION LOCATION (SEE TS SHEETS FOR APPROXIMATE STATION AND OFFSET)	PEDESTAL PLAN ID	EXISTING (E) OR NEW (N)	EXISTING SERVICE ADDRESS	MAIN BREAKER (AMP)	NEW EQUIPMENT									
							60A, 240V, 2P CKT BKR (ST LIGHTING)	60A, 240V, 2P CKT BKR (ST LIGHTING)	BY-PASS SWITCH (CONTACTOR)	15A, 120V, 1P CKT BKR (PE CONTROL)	60A, 120V, 10 CKT BKR (TRAFFIC SIGNAL)	40A, 120V, 1P CKT BKR (INT LIGHTING)	20A, 120V CKT BKR (FLASHING BEACON)	20A, CKT BKR (IRRIGATION)	20A, CKT BKR (LANDSCAPE LIGHTING)	
PEDESTAL	TS/SL	CASINO CENTER BLVD. & CLARK AVE. (NW CORNER)	(A)	E	018 E CLARK AVE	E	-	-	-	-	-	-	-	-	-	-
PEDESTAL	TS/SL	3RD ST. & CLARK AVE. *** (NE CORNER)	(B)	N **	NEW SERVICE "3"	200	2	2	2	1	1	1	-	-	-	-
PEDESTAL	TS	4TH ST. & CLARK AVE (SE CORNER)	(C)	E	408 E CLARK AVE	E	-	-	-	-	-	-	-	-	-	-
PEDESTAL	TS/SL	LAS VEGAS BLVD. & CLARK AVE (SE CORNER)	(D)	E	550 E CLARK AVE	E	-	-	-	-	-	-	-	-	-	-
PEDESTAL	TS/SL	MAIN ST. & BONNEVILLE AVE. (SW CORNER)	(E)	E	606 S MAIN ST	E	-	-	-	-	-	-	-	-	-	-
PEDESTAL	LA/SL	1ST ST. & BONNEVILLE AVE. *** # (SW CORNER)	(F)	N ** #	NEW SERVICE "1"	200	2	2	2	1	-	-	-	1	1	
PEDESTAL	TS/SL/FB	BRT STATION & BONNEVILLE AVE. *** (SE CORNER)	(G)	N **	NEW SERVICE "4"	200	2	2	2	1	1	1	1	-	-	
PEDESTAL	TS/SL	CASINO CENTER BLVD. & BONNEVILLE AVE. (SW CORNER)	(H)	E	117 E BONNEVILLE AVE	E	-	-	-	-	-	-	-	-	-	
PEDESTAL	TS/SL	3RD ST. & BONNEVILLE AVE. *** (SW CORNER)	(I)	N **	NEW SERVICE "5"	200	2	2	2	1	1	1	-	-	-	
PEDESTAL	TS/SL	4TH ST. & BONNEVILLE AVE. (NW CORNER)	(J)	E	603 E BONNEVILLE AVE	E	-	-	-	-	-	-	-	-	-	
PEDESTAL	TS/SL	LAS VEGAS BLVD. & BONNEVILLE AVE. *** # (SE CORNER)	(K)	N ** #	NEW SERVICE "2"	200	2	2	2	1	1	1	-	-	-	

EXISTING POLE MOUNTED TRAFFIC SIGNAL AND/OR STREET LIGHTING SERVICE METER TO BE REPLACED BY NEW SERVICE PEDESTAL

** CONTRACTOR SHALL FURNISH AND INSTALL 200 AMP 120/240 VAC SERVICE PEDESTAL ONTO CONCRETE FOUNDATION PER CCAUSD No. 404.214. PROVIDE THE PEDESTAL WITH EQUIPMENT AS SHOWN IN SERVICE PEDESTAL TABLE ON THIS SHEET. PROVIDE 1-#2 AWG 7 STRAND BARE COPPER GROUNDING CONDUCTOR TO EARTH. CONTACT NEVADA POWER FOR SERVICE CONNECTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR SERVICE CONNECTION PER NEVADA POWER SPECIFICATIONS, INCLUDING CONDUIT RISER AND CONDUCTORS UP TO TRANSFORMER. PROVIDE ADDITIONAL 2" CONDUIT STUB FROM FOUNDATION FOR FUTURE USE. INDICATE LOCATION OF CONDUIT STUB ON AS BUILT DRAWINGS. FOR THE SERVICE CONNECTION BETWEEN THE TRANSFORMER AND THE SERVICE PEDESTAL, THE CONDUCTORS SHALL BE AS SHOWN ON PLANS. SEE ATTACHED INV ENERGY DESIGN PLANS FOR SERVICE CONNECTION DETAILS.

*** CONTRACTOR TO STAKE FOUNDATION LOCATIONS FOR APPROVAL BY RESIDENT ENGINEER PRIOR TO CONSTRUCTION. CONTRACTOR TO POTHOLE NEW FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION TO IDENTIFY ALL SUBSURFACE CONFLICTS. IF CONFLICTS ARE IDENTIFIED THE CONTRACTOR SHALL WORK WITH THE RESIDENT ENGINEER TO DETERMINE AN ALTERNATE FOUNDATION LOCATION.

**** TS=TRAFFIC SIGNAL, SL=STREET LIGHT, FB=FLASHING BEACON, LA=LANDSCAPE AND IRRIGATION



DEVICE	DESCRIPTION
(A) SIGNAL	12" - 2 SECTION W/ BACKPLATES (M-28), CONTINUOUS ALTERNATING FLASHING SIGNALS IN ACCORDANCE WITH CCAUSD No. 404.1023A1
(B) SIGN	SPECIAL "SIGNAL AHEAD" 48" X 36"
(C) CABINET	FLASHING BEACON CONTROLLER CABINET IN ACCORDANCE WITH CCAUSD No. 404.309

WARNING FLASHER AND SIGN ASSEMBLY

N.T.S.

REVISIONS
 DATE: 06/21/10
 SHEET Replacement

DATE: FEBRUARY 2010
 CHECKED BY: VALUE
 DESIGNED BY: VALUE
 SCALE (V): 1"=20'

SCALE (V): 1"=20'
 DRAWN BY: VALUE

Kimley-Horn and Associates, Inc.
 Engineering, Planning, and Environmental Consultants
 2080 E. Flamingo Road, Suite 210, Las Vegas, NV 89119
 PH: (702) 734-4949
 FAX: (702) 735-4949

DEPARTMENT OF PUBLIC WORKS

PROJECT: BONNEVILLE/CLARK ONEWAY COUPLLET PHASE 1 IMPROVEMENT PLANS

SHEET: TS-13

DESIGNED BY: RANDY W. CARROLL
 Exp. 12/31/10
 CIVIL
 No. 16131

SHEET NO. TS-13
 SHEET 72 OF 91
 DRAWING NO. 107V5201

BID# 09.1730.37 REV 3

811
 Call before you dig
 SAFETY ALERT
 Call before you dig
 UnderGround
 1-702-432-5300
 RETRY AND AVOID SCHED. OF TRANSPORTATION

124561

Jan 24, 2010 - 10:18am - USER: pdeliver\pdeliver
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