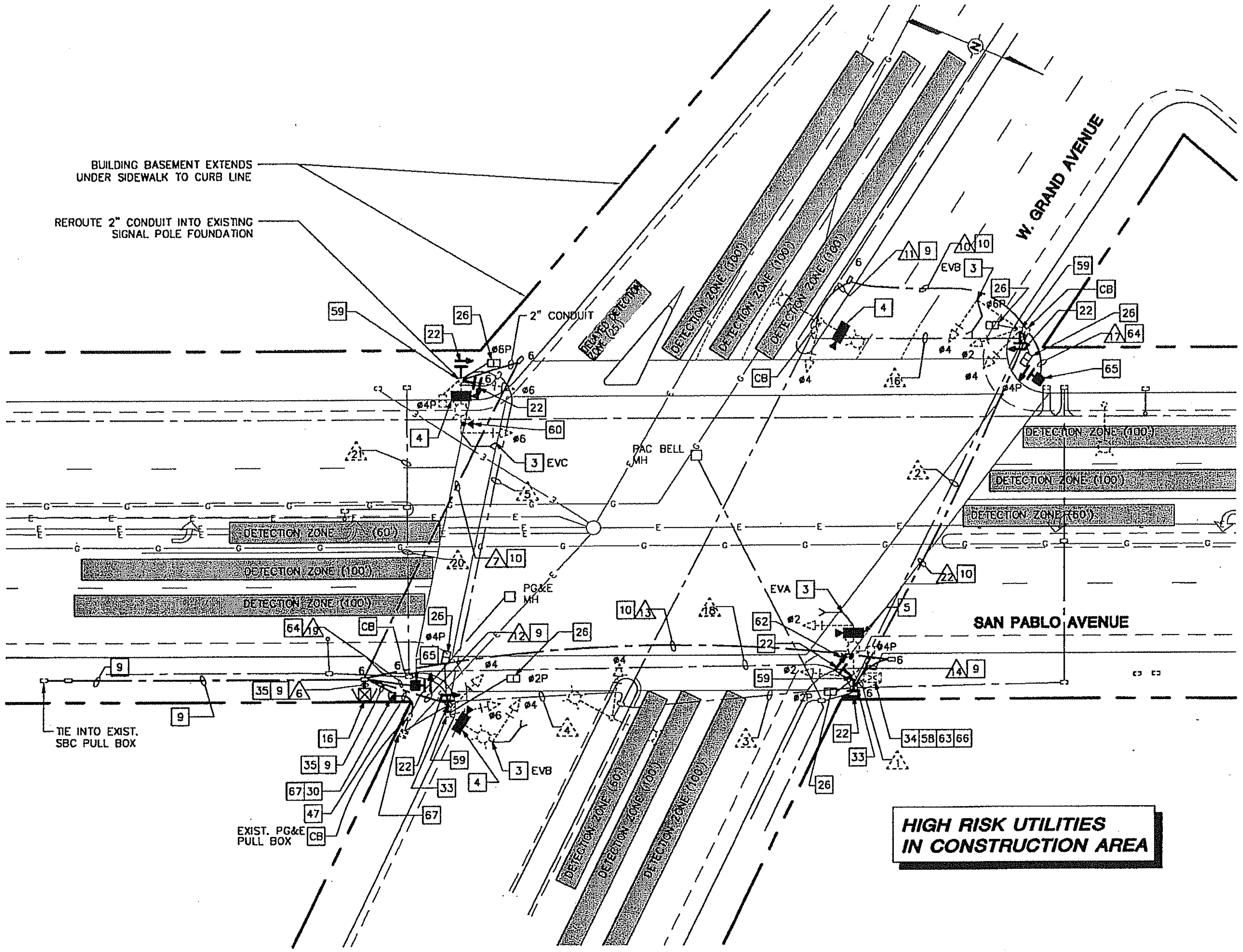
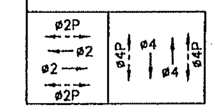


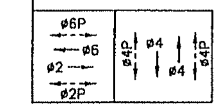
W. GRAND AVENUE & SAN PABLO AVENUE INTERSECTION

STEADY DEMAND SEQUENCE



EXISTING PHASE DIAGRAM

STEADY DEMAND SEQUENCE



PROPOSED PHASE DIAGRAM

PROPOSED EVP PHASE ASSIGNMENTS

EVA = ø2
EVB = ø4
EVC = ø6

W. GRAND AVE. AND SAN PABLO AVE. CONDUIT AND NEW CABLE/CONDUCTOR SCHEDULE	1	2	3	4	5	6	7			10	11	12	13	14		16	17	18	19	20	21	22
CABLE A – 12C#14 (EX)	1E	1E	1E	1E	1E											1E						
CABLE B – 5C#14 (NEW)*	1																	1			1	1
VID CABLES	2																	1		1	1	
CCTV CABLES						4	1			1	1	1	2	2								1
4C#18												1					1		1			
3C#14 UF W/GRND (SIGNAL CABLE – PPB)	2		1	1													1	1		1	1	1
3C#14 UF W/GRND (PPB CONROL UNIT)	3		2	2														2		2	2	2
% FILL WITH NEW CABLES	15%		29%	26%		3%	4%			4%	4%	5%	7%	7%		24%	4%	6%	4%	4%	6%	15%
CONDUIT SIZE	2–3" E	2" E	2" E	2" E	2" E	2–3"	3"			3"	3"	3"	3"	3"		2" E	3"	3" E	3"	3" E	3" E	3"

CCTV CABLES = 3–#16 AWG CABLES AND 1–8281 COAXIAL CABLE.
VID CABLES = 2–#14 AWG CABLES AND 1–8281 COAXIAL CABLE.
E = EXISTING CONDUIT OR CABLE/CONDUCTOR ALL OTHER CABLES AND CONDUITS NEW UNLESS NOTED.

* = INSTALL CABLE B (5C#14) IN EXISTING AND NEW CONDUITS. REWIRE EXISTING ø2 AND ø2P HEADS FOR PROPOSED ø6 AND ø6P PHASING AS SHOWN ON PLAN. MAKE SPLICES IN EXISTING SPLICE CHAMBER AND CONNECTIONS IN CONTROLLER CABINET AS REQUIRED FOR PROPOSED PHASING.

SIGNAL CABLE CONDUCTOR PHASE ASSIGNMENT TABLE		
CONDUCTOR	CABLE	
NO.	A (EX)	B (NEW)
1	ø2	ø6
2	ø4	ø6P
3	ø2	ø6
4	ø4	ø6P
5	ø2	ø6
6	ø4	
7	ø2P**	
8	ø2P**	
9	ø4P**	
10	ø4P**	
11		
12		

** USE EXISTING CABLE CONDUCTORS TO WIRE NEW ø2P AND ø4P HEADS. REWIRE AT CABINET FOR PROPOSED PHASING.

NOTE:
REWIRING WORK SHALL BE PAID THROUGH "MODIFY SIGNAL PHASING AND REWIRE INTERSECTION" BID ITEM.

CONTRACT: ACCMA Smart Corridors Program
DATE ACCEPTED: 11/24/04

RECORD DRAWING

RESIDENT ENGINEER: STEFAN GARCIA
REVISIONS BY: S. GARCIA DATE: 8/17/04

REDUCED SIZE

CA: 1-800-642-2444
CALL BEFORE YOU DIG
USA
UNDERGROUND SERVICE ALERT
CA: 1-800-642-2444
CALL TWO WORKING DAYS BEFORE YOU DIG

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

SEE SHEET 3 FOR CONSTRUCTION NOTES

No.	Revision	Date	By
		11-06-02	BBM

PREPARED UNDER THE DIRECTION OF:
ANUSH NEJAD 1/10/05
DATE:
RCE No. 042681, EXP. 3/31/06

REGISTERED PROFESSIONAL ENGINEER
Anush Nejad
No. 042681
Exp 3-31-06
CIVIL
STATE OF CALIFORNIA

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555 12th Street, Suite 1330 Oakland, California 94705
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Designed By:	DJM
Drawn By:	HWB
Checked By:	RRD
Project No.:	097044001
CAD File:	– OK TS09
Scale:	1"=20'
Date:	11/06/02

CITY OF OAKLAND

CMA

SMART CORRIDORS PROGRAM
CCTV/EMERGENCY PREEMPTION/VID INSTALLATIONS

Date	Approved - City Engineer	Date	Reviewed - Senior Civil Engineer	Date	Recommended

Sheet: 30 —of— 90

DRAWING NAME: P:\097044001 AC-CMA Smart Corridors - AAN_Record Drawings (EBSC)\Local Agencies\[30] cma-sheet30.dwg
PLOT DATE: 03-31-05
PLOTTED BY: shad.arani