

CONSTRUCTION NOTES:

- NEW CONSTRUCTION IS SHOWN IN BOLD LINES AND EXISTING IMPROVEMENTS ARE SHOWN IN LIGHT LINES. USE ALL NEW EQUIPMENT AND HARDWARE EXCEPT WHEN NOTED IN THE PLAN, SCHEDULE OR SPECIFICATION. ALL OTHER EQUIPMENT SHALL REMAIN IN PLACE.
- CONTRACTOR SHALL CONTACT THE CITY'S TRAFFIC DEVICE TECHNICIAN SUPERVISOR TO DETERMINE WHAT EQUIPMENT IS TO BE SALVAGED AND DELIVERY LOCATION. ALL OTHER REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER AND THE TRAFFIC SIGNAL SHOP 48 HOURS (2 WORKING DAYS) PRIOR TO START OF WORK. CONTRACTOR SHALL GIVE ONE WORKING DAY NOTICE ON ALL CALLS FOR INSPECTION. ANY WORK PERFORMED WITHOUT THE BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL AT NO COST TO THE CITY.
CONSTRUCTION INSPECTION CALL 619-397-6128
TRAFFIC SIGNAL MAINTENANCE SHOP 619-397-6163
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. A TRAFFIC CONTROL PLAN, INCLUDING THE LAYOUT OF CONSTRUCTION, WARNING AND DETOUR SIGNS, WORKING HOURS, AND CONSTRUCTION SCHEDULE SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING SECTION FOR APPROVAL A MINIMUM OF FIVE DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE IMPLEMENTED BEFORE ANY WORK IS STARTED.
- TRAFFIC SIGNAL STANDARDS AND EQUIPMENT SHALL BE INSTALLED TO ALLOW FOR A FOUR FEET (4') ADA CLEARANCE. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED WITHIN FIVE FEET (5') OF PEDESTRIAN RAMP LANDINGS. SEE DETAIL "A" ON THIS SHEET.
- ALL PULLBOXES SHOWN IN BOLD SHALL BE FURNISHED AND INSTALLED, TYPE PER PLAN.
- CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ELECTRICAL AND/OR TELEPHONE SERVICE POINTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR THE INSTALLATION OF ALL NECESSARY MATERIALS IN ACCORDANCE WITH SDG&E AND/OR AT&T REQUIREMENTS.
- LOCATION B & LOCATION H: INSTALL NEW TYPE 1A STANDARD AND EQUIPMENT PER POLE SCHEDULE AT NEW LOCATION ON NEW FOUNDATION. ALL OTHER LOCATIONS: PROTECT IN PLACE TRAFFIC SIGNAL EQUIPMENT. CONTRACTOR SHALL ENSURE THAT THE CONDITION OF ALL REUSED EQUIPMENT IS MAINTAINED AND IN GOOD WORKING ORDER. ANY EQUIPMENT SPECIFIED FOR REUSE THAT IS NOT KEPT IN SUCH CONDITIONS SHALL BE REPLACED IN KIND AT CONTRACTOR'S EXPENSE.
- LOOPS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITHIN FIVE (5) WORKING DAYS AT THE CONTRACTOR'S EXPENSE. IF IT IS DETERMINED BY TRAFFIC SIGNAL MAINTENANCE STAFF TO INSTALL VIDEO DETECTION DURING CONSTRUCTION, THE CONTRACTOR SHALL FURNISH AND INSTALL VIDEO WHERE NEEDED AT HIS/HER OWN EXPENSE.
- ALL TRAFFIC SIGNAL CONDUITS SHALL BE PVC SCHEDULE 80, 2" MINIMUM AND ALL STREET LIGHT CONDUITS SHALL BE PVC SCHEDULE 40, 2" MINIMUM. ALL TRAFFIC SIGNAL CONDUITS THAT CROSS A STREET SHALL BE SCHEDULE 80, 3" MINIMUM, AND ALL STREET LIGHT CONDUITS THAT CROSS A STREET SHALL BE PVC SCHEDULE 80, 2" MINIMUM. NO STEEL CONDUITS ARE ALLOWED. LB FITTINGS SHALL NOT BE USED ON THIS PROJECT.
- REMOVE ALL UN-USED PULL BOXES, PULL OUT EXISTING CABLES/CONDUCTORS, INSTALL NEW SIGNAL CABLES/CONDUCTORS AND RE-PHASE AS SHOWN ON PLANS.
- TRAFFIC SIGNAL CABLES AND CONDUCTORS: USE CABLES WITH THE CORRESPONDING NUMBER OF CONDUCTORS AS SHOWN IN THE CONDUCTOR SCHEDULE. PROVIDE A MINIMUM OF THREE (3) SPARE CONDUCTORS TO EACH POLE. USE THREE (3) CONDUCTOR CABLE FOR ALL PEDESTRIAN PUSH BUTTONS. ALL CABLES AND OTHER CONDUCTORS EXCLUDING GROUNDS AND EXISTING SIC SHALL BE UNSPLICED AND SHALL TERMINATE AT THE TERMINAL BOARD OF EACH TRAFFIC SIGNAL STANDARD ONLY. TRAFFIC SIGNAL AND PEDESTRIAN PUSH BUTTON CABLE AND INSULATION SHALL REMAIN INTACT TO TERMINATION POINT.
- PEDESTRIAN SIGNAL INDICATIONS SHALL BE "COUNTDOWN STYLE" LED FILLED FIGURES. PEDESTRIAN PUSH BUTTONS SHALL BE POLARA BULLDOG WITH R10-3E SIGN.
- LOOP DETECTORS SHALL BE TYPE "E" 6" DIAMETER WITH 4 TURNS. BICYCLE DETECTION SHALL HAVE 3 TURNS WHEN BY ITSELF OR 5 TURNS WHEN CONNECTED IN SERIES WITH TYPE "E" LOOPS. USE TYPE 2 INDUCTIVE LOOP CONDUCTOR AND HOT MELT RUBBERIZED ASPHALT SEALANT PER STATE SPECIFICATIONS 86-5.01A(5).

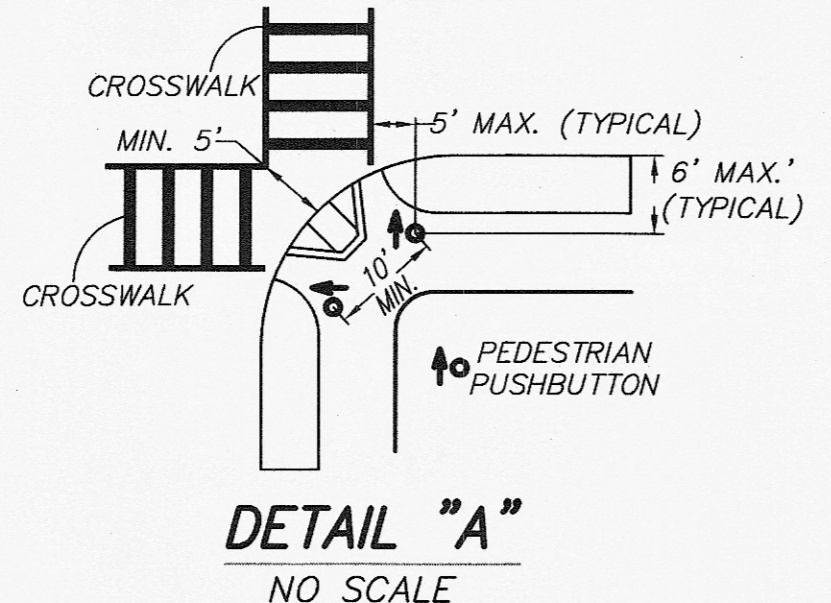
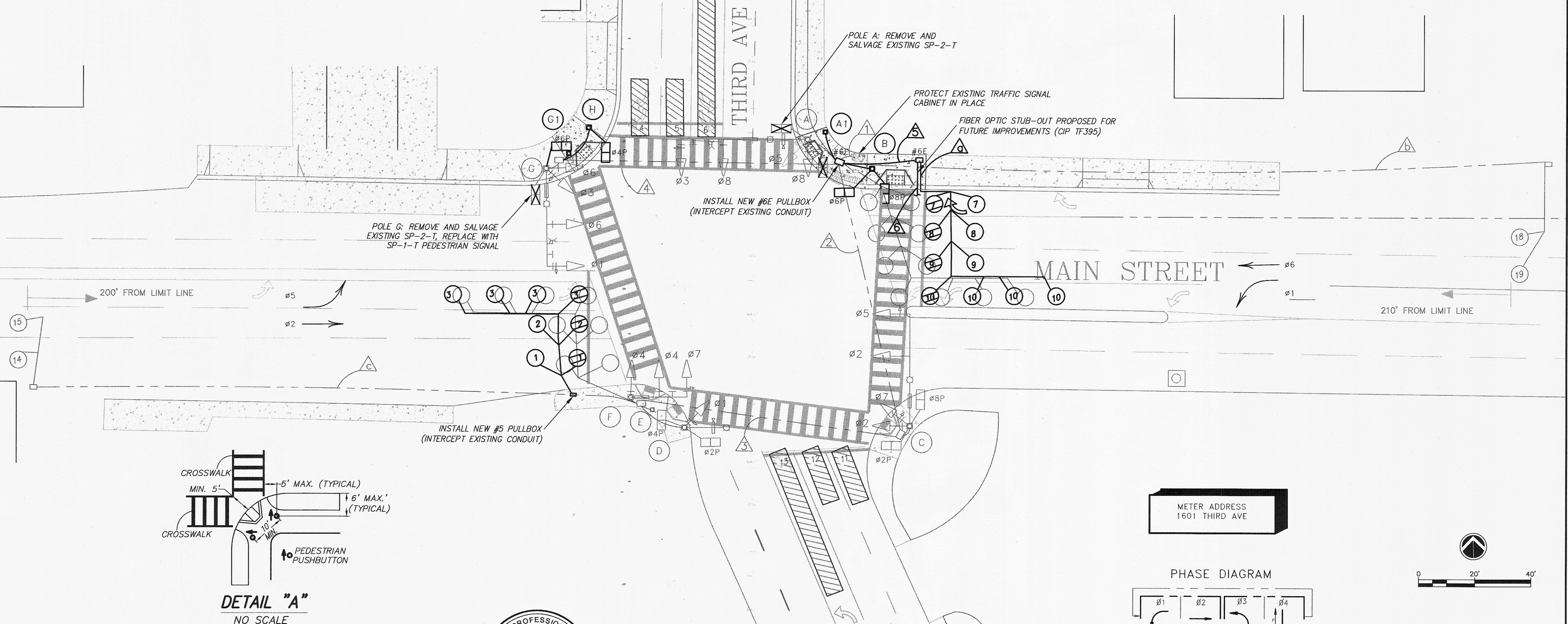
CONDUCTOR SCHEDULE		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
COND. SIZE THW	CONDUIT RUN																			
	CONDUIT SIZE	3"	3"	3"	3"	3"	2"	1.5"	1.5"	1.5"	1.5"									
TRAFFIC SIGNAL CABLE	CONDUCTORS/CABLE	3	12	3	12	3	12	3	12											
	LOCATION (A)	1	1																	
	LOCATION (B)	1	1																	
	LOCATION (C)	1	1	1																
	LOCATION (D)	1	1	1	1															
	LOCATION (E)	2	2	2																
	LOCATION (F)	1	1	1	1															
	LOCATION (G)	1	1			1	1													
LOCATION (H)	1	1					1	1												
TOTAL		7	7	3	3	2	2	2	2											
#6	120V SERVICE	2																		
#8	120V SFTY LT SVC	2	2	2	2															
#8	GROUND	1	1	1	1															
	VIDEO DETECTION	2	1	1																
	LOOP DLC	7		5	5	4		4	2	2	2									
	EVPE	2				2														
SIC	SIGNAL INTERCONNECT																			
FO	FIBER OPTIC																			

DETECTOR ASSIGNMENTS			
DET. NO.	#	SLOT	TERMINAL CONNECTIONS
1	#2	I3L	T2-11&12
2	#2	I3U	T2-9&10
3	#5	J1U	T3-1&2
4	#4	I7L	VIDEO
5	#4	I8U	VIDEO
6	#7	J5U	VIDEO
7	#6	J4U	T5-1&2
8	#6	J3L	T3-11&12
9	#6	J3U	T3-9&10
10	#1	I1U	T2-1&2
11	#8	J7L	VIDEO
12	#8	J7U	VIDEO
13	#3	I5U	VIDEO
14	#2	I2L	T2-7&8
15	#2	I2U	T2-5&6
16	#4	I6L	T4-11&12
17	#4	I6U	T4-9&10
18	#6	J2L	T3-7&8
19	#6	J2U	T3-5&6
PPB	#2	I12U	T8-4
PPB	#4	I12L	T8-5
PPB	#6	I13U	T8-7
PPB	#8	I13L	T8-8
EVPE	#1	J12L	T9-5
EVPE	#2	J12U	T9-4
EVPE	#4	J13U	T9-7
EVPE	#6	J13L	T9-8

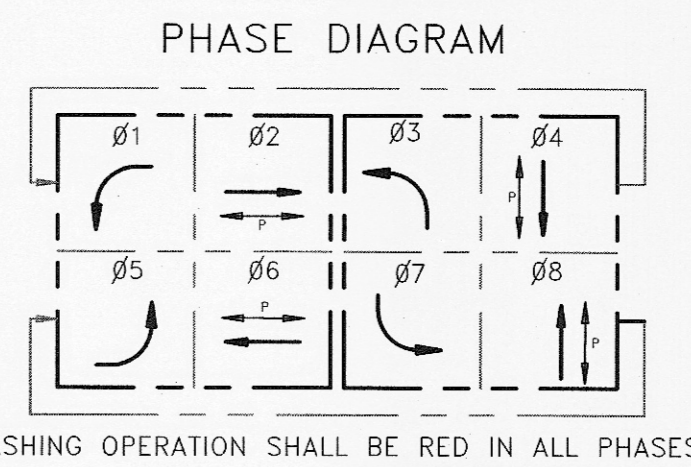
-USE ALL NEW SIGNAL CABLE/CONDUCTORS UNLESS INDICATED IN GRAY.

POLE SCHEDULE														
LOCATION/TYPE (HEIGHT)	TRAFFIC SIGNAL			PEDESTRIAN SIGNAL		SAFETY LIGHT		REFLECTIVE STREET SIGN (RSNS)	EMERGENCY VEHICLE PRE-EMPTION (EVPE)	SIGNAGE	DETECTION	P.P.B.		
	MOUNT	INDICATION	SMA	MOUNT	#	LOC.	LED					LMA	#	LOC.
(A) 26A-4-70	SV2TA MAS MAS	5-12" (RA,YA,GA) 5-12" (R,Y,G) 5-12" (RA,YA,GA)	45'	-	-	-	145W	15'	Main Street	BI-DIRECTIONAL 2-CHANNEL	-	VIDEO	-	-
(A) PPB POST	-	-	-	-	-	Ø6*	-	-	-	-	-	-	-	-
(B) TYPE 1A	-	-	-	TP2T	Ø6 Ø8	Ø8*	-	-	-	-	-	-	-	-
(C) 26A-4-70	SV2TA MAS MAS	5-12" (RA,YA,GA) 5-12" (R,Y,G) 5-12" (RA,YA,GA)	40'	SP2T	Ø2 Ø8	Ø2 Ø8	145W	15'	Beyer Way	-	R10-12 MOD	-	-	-
(D) 17A-1-70	SV1T	5-12" (RA,YA,GA)	15'	SP2T	Ø2 Ø4	-	145W	15'	-	-	R3-4	VIDEO	-	-
(E) PPB POST	-	-	-	-	-	Ø4 Ø2	-	-	-	-	-	-	-	-
(F) 18-3-70	SV1T MAS MAS	5-12" (RA,YA,GA) 5-12" (R,Y,G) 5-12" (R,Y,G)	20'	-	Ø4	Ø4	-	-	Main Street	-	-	-	-	-
(G) 24A-4-70	SV2TA MAS MAS	5-12" (RA,YA,GA) 5-12" (R,Y,G) 5-12" (RA,YA,GA)	35'	SP1T	Ø6	-	145W	15'	Third Ave	BI-DIRECTIONAL 2-CHANNEL	-	-	-	-
(G) PPB POST	-	-	-	-	-	Ø4*	-	-	-	-	-	-	-	-
(H) TYPE 1A	-	-	-	TP1T	Ø4	Ø6*	-	-	-	-	-	-	-	-

- USE ALL NEW SIGNAL EQUIPMENT AND HARDWARE AS SHOWN IN BOLD (EXCEPT WHERE NOTED IN GRAY).
- ALL NEW PEDESTRIAN SIGNALS SHALL BE INSTALLED WITH ABS BACK PLATES AND POLYCARBONATE TUNNEL VISORS.
* REUSE EXISTING TRAFFIC SIGNAL EQUIPMENT.



METER ADDRESS
1601 THIRD AVE



FLASHING OPERATION SHALL BE RED IN ALL PHASES.

CITY OF CHULA VISTA
PUBLIC WORKS - ENGINEERING
276 FOURTH AVENUE
CHULA VISTA, CA 91910
(619) 691-5247

AS-BUILT

SIGNED: _____ DATE: _____
PRINTED NAME: _____ R.C.E. NO.: _____
DISCIPLINE: _____ MY REGISTRATION EXPIRATION: _____

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	By	REVISIONS	Date	App'd	DATUMS	SCALE	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:	APPROVED BY:	DATE:	CITY OF CHULA VISTA DEPARTMENT OF PUBLIC WORKS	TOTAL SHEETS: 2
CONTRACTOR:	DWG. #					VERTICAL DATUM: N/A	HORIZONTAL PER PLAN	MARIO INGRASCI	ROSINA CONSTANZA	PATRICK G. MONEDA, PE - SENIOR CIVIL ENGINEER	3/22/17	JOSE LUIS GOMEZ, PE, PLS - PRINCIPAL CIVIL ENGINEER	3/22/17	TRAFFIC SIGNAL MODIFICATIONS AND ADA CURB RAMPS	DRAWING NO. 17013-02
INSPECTOR:	CG-207, CG-1333, 93-631, 01029-04,12,16,18,19,21					HORIZONTAL DATUM: N/A	VERTICAL	Mario Ingrassci	Rosina Constanza		3/22/17		3/22/17	THIRD AVENUE AND MAIN STREET	CIP # PC-2458
DATE COMPLETED:	RS-172365, RS-1554														

EXHIBIT B-2