CONSTRUCTION NOTES:

1. CONFIRM RELEASE TO CONSTRUCTION FROM KAYLA PASCHAL OR STEVE WILLOUGHBY. RELEASE TO INCLUDE BUT NOT LIMITED TO:

   ENVIRONMENTAL CLEARANCE
   LAND OWNER NOTIFICATION
   LAND RIGHTS & ACCESS
   ENCROACHMENT PERMIT

2. CALL USA AT LEAST 2 DAYS PRIOR TO EXCAVATION, EXCAVATE & EXPOSE LOCATIONS SHOWN.
3. COMPLETE REQUIRED DOCUMENTATION AS REQUESTED BY THE D.A. ENGINEER.
4. COAT PER GS&S E-30 AND E-35.

GENERAL NOTES:

1. LOCATIONS & DIMENSIONS ARE APPROXIMATE (SOURCE IS FROM PG&E GIS). LOCATE PRIOR TO EXCAVATION & VERIFY IN FIELD.

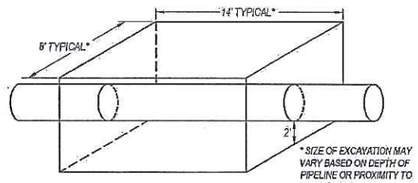
CONTACT INFORMATION:

DIRECT ASSESSMENT ENGINEER -------NICK ESTAKHRI (925) 212-8935
PROJECT MANAGER ----------LUKE ROY (510)289-8760

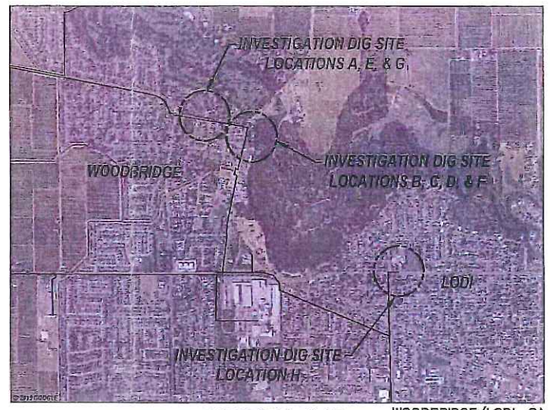
DIRECT BURIAL COATING SELECTIONS
LISTED IN ORDER OF PREFERENCE

MAIN LINE COATING	FBE
MINOR REPAIRS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
TIE-IN WELDS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
GIRTH WELDS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
BUTT WELDED FITTINGS	PROTAL 7200, POWERCRETE J, DEVGRIP 238
VALVE ASSEMBLIES	DEVGRIP 238
SHORT SEGMENTS OF PIPE	PROTAL 7200, POWERCRETE J, DEVGRIP 238
AIR-TO-SOIL TRANSITIONS	DEVGRIP 238, POWERCRETE J
PRESSURE CONTROL BODY FITTINGS	PROTAL 7200 FLANGE WAX TAPE
TIE-INS/COATING TRANSITIONS	PROTAL 7200, WAX TAPE, POLYKEN TAPE

NOTES:
1) CONTACT THE RESPONSIBLE PIPELINE ENGINEER TO REQUEST A VARIANCE FROM THE ABOVE COATING SELECTIONS
2) ALL COATINGS ARE TO BE APPLIED IN ACCORDANCE WITH GS&S E-30 AND E-35



DETAIL | INVESTIGATION DIG BELLHOLE TYPICAL
NOT TO SCALE

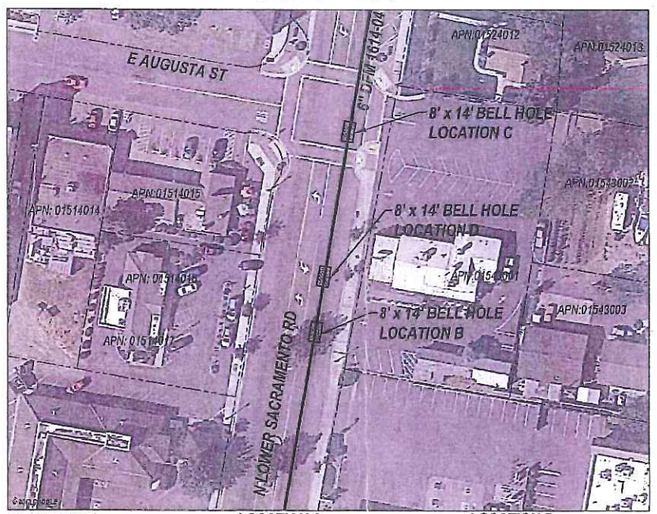


VICINITY MAP
NOT TO SCALE
WOODBRIDGE/LODI, CA

LOCATION A
WOODBRIDGE, CA
(SCALE: 1" = 100')

LOCATION A
L-197B
MP RANGE: 4.07-4.52
DIG MP: 4.32
STATION: 17+76
REGION 1, IMMEDIATE
REQ, CIS
ASPHALT, T.O.P.-46"
648651.095 , 4224428.982
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.280"

LOCATION B, C & D
WOODBRIDGE, CA
(SCALE: 1" = 100')

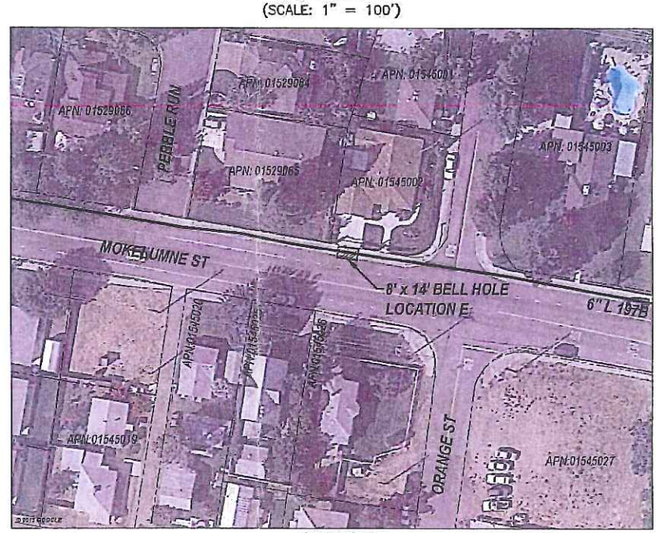


LOCATION B
DFM-1614-04
MP RANGE: 0.00-0.19
DIG MP: 0.131
STATION: 6+87
REGION 1, IMMEDIATE
REQ, CIS
ASPHALT, T.O.P.-47"
648871.064 ,4224211.684
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.156"

LOCATION C
DFM-1614-04
MP RANGE: 0.00-0.19
DIG MP: 0.103
STATION: 5+38
REGION 1, IMMEDIATE
REQ, CIS
ASPHALT, T.O.P.-51"
648878.474 , 4224256.621
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.156"

LOCATION D
DFM-1614-04
MP RANGE: 0.00-0.19
DIG MP: 0.124
STATION: 6+48
REGION 1, IMMEDIATE
REQ, CIS
ASPHALT, T.O.P.-45"
648872.996 , 4224223.429
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.156"

LOCATION E
WOODBRIDGE, CA
(SCALE: 1" = 100')



LOCATION E
L-197B
MP RANGE: 4.07-4.52
DIG MP: 4.38
STATION: 20+65
REGION 1, SCHEDULED
REQ, CIS
ASPHALT, T.O.P.-34"
648738.303 , 4224416.335
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.280"

SAFETY
SAFETY PLEDGE
I ALWAYS PUT SAFETY FIRST.
I LOOK FOR AND ACT TO RESOLVE UNSAFE SITUATIONS.
I HELP AND ENCOURAGE OTHERS TO ACT SAFELY.

UNDERGROUND SERVICE ALERT USA
CALL BEFORE YOU DIG
CALL: 811

GTS
575 Lennon Ln. #250
Walnut Creek, CA
(925) 478-8530
Project No. 13015

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0		ISSUED FOR PERMIT	41821296		CMB		

REVISIONS

APPROVED BY
GM 41821296
SUPV
DSGN
DWN
CHKD CMB
OK CCS
DATE
SCALES AS SHOWN

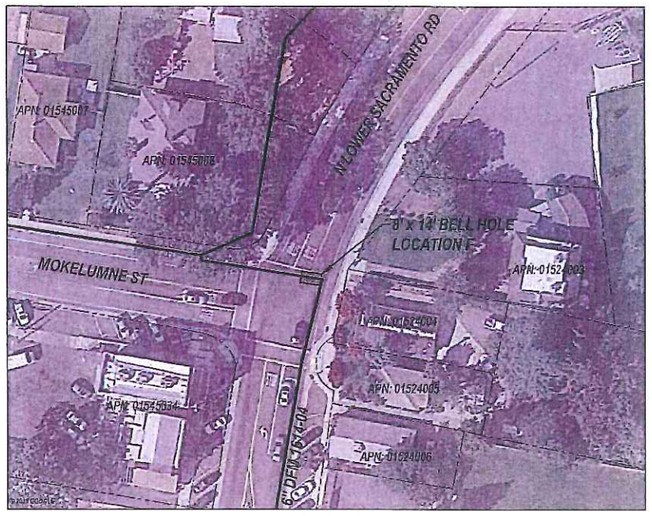
Approved Colin Sallee 6/7/13
PSRS# 29085

NSEG 197-2013
ECDA INVESTIGATION DIGS
WOODBRIDGE/LODI, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHT NO. 01 OF 02 SHEETS
SKETCH 0

LOCATION F
WOODBRIDGE, CA
(SCALE: 1" = 100')



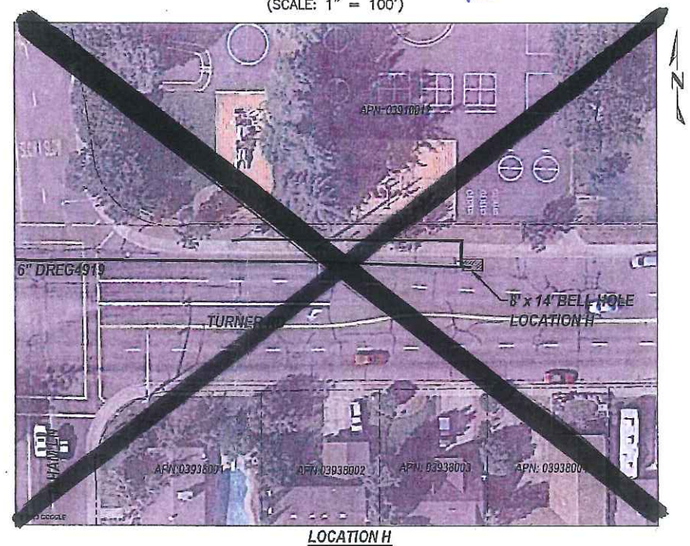
LOCATION F
DFM-1614-04
MP RANGE: 0.00-0.19
DIG MP: 0.0154
STATION: 0+82
REGION 1, SCHEDULED
OIN, CIS
ASPHALT, T.O.P.-42"
648897.977 , 4224392.852
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.280"

LOCATION G
WOODBRIDGE, CA
(SCALE: 1" = 100')

LOCATION G
L-197B
MP RANGE: 4.07-4.52
DIG MP: 4.206
STATION: 11+70
REGION 2, MONITOR
REQ, CIS
CONCRETE, T.O.P.-53"
648471.934 , 4224458.370
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.188"

LOCATION H
LODI, CA
(SCALE: 1" = 100')

City of Lodi



LOCATION H
STUB8696
MP RANGE: 0.00-0.00
DIG MP: 0.00
STATION: 0+05
REGION 1, MONITOR
EFF REQ DIG, CIS
ASPHALT, T.O.P.N/A
650037.002 ,4223367.291
UTM Z10/NAD83
PIPE DIA.-6.625", PIPE W.T.-0.188"

SAFETY
SAFETY PLEDGE
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NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0		ISSUED FOR PERMIT	41821296		CMB		

REVISIONS

PSRS# 29081

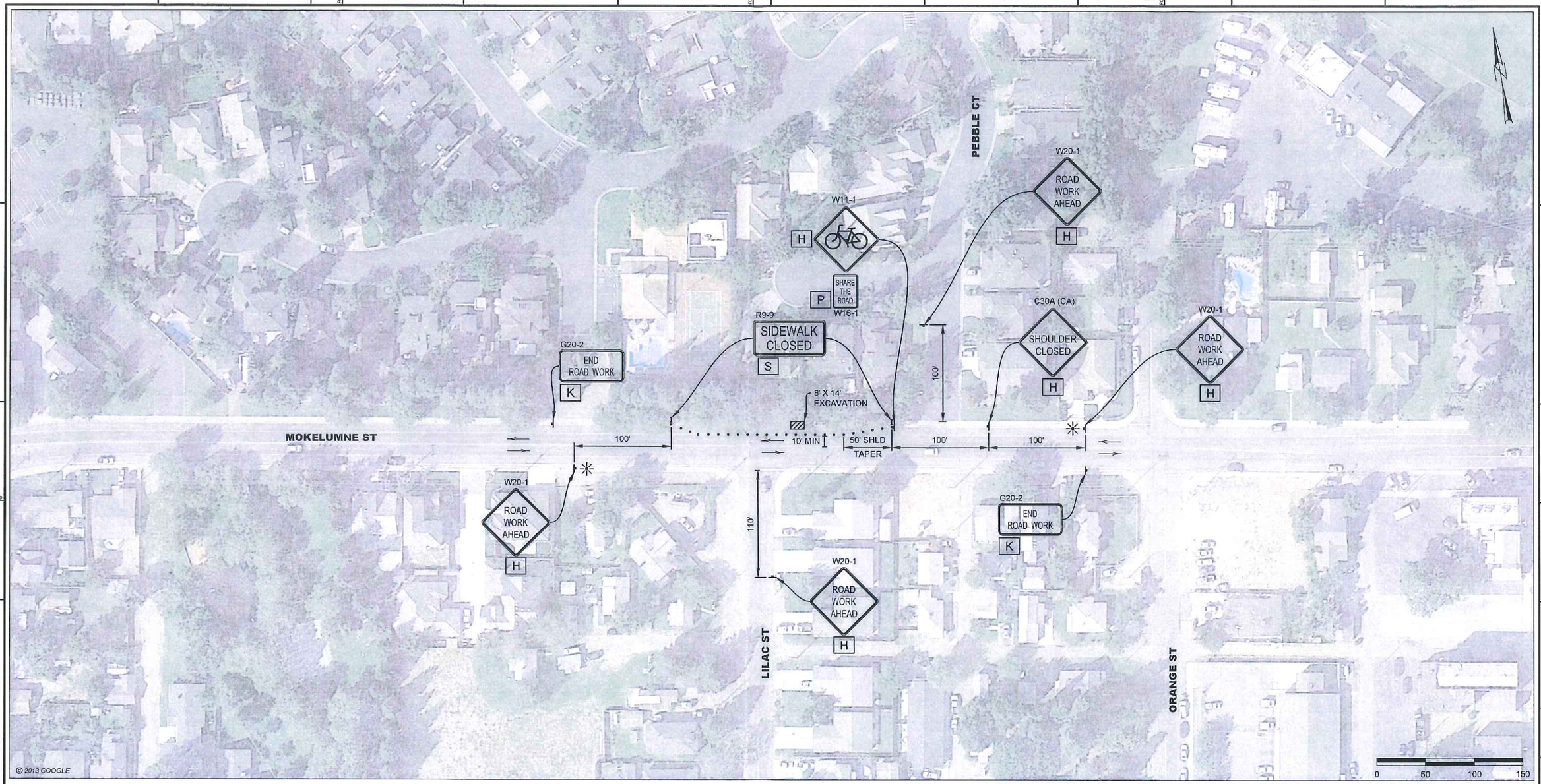
Approved Colin Sellers 6/7/13

APPROVED BY	
GM	41821296
SUPV	
DSGN	
DWN	
CHKD	CMB
OK	CCS
DATE	
SCALES	AS SHOWN

NSEG 197–2013
ECDA INVESTIGATION DIGS
WOODBRIDGE/LODI, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
SAN RAMON, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHT NO. 02 OF 02 SHEETS	
SKETCH	0



CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY CALTRANS, THE LOCAL FIRE DEPARTMENT, SHERIFF/POLICE DEPARTMENT, CALIFORNIA HIGHWAY PATROL, LOCAL SCHOOL DISTRICT, TRANSIT SERVICE PROVIDERS AND UNITED STATES POSTAL SERVICE 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
4. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
5. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC AND TWO-WAY RADIOS.
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7. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
8. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
9. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
10. CITY/COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
11. CONTRACTOR SHALL PLATE EXCAVATION AFTER WORK HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = PORTABLE FLASHING BEACON
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (10' SPACING O.C.)
- = TYPE III BARRICADE WITH FLASHING YELLOW BEACON

A

SIGN PANEL SIZE	
H	36" X 36"
K	36" X 18"
P	24" X 30"
S	24" X 12"

REGISTERED PROFESSIONAL ENGINEER — K. DANIEL YAU — No. 44811 — Exp. 3/31/14 — CIVIL — STATE OF CALIFORNIA

07/03/13

MICROFILM

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
2	07/01/13	REVISED FOR PERMIT	41821296	JEH	EC	KDY	
1	07/01/13	REVISED FOR PERMIT	41821298	JEH	EC	KDY	
0	06/11/13	ISSUED FOR PERMIT	41821296	JEH	EC	KDY	

REVISIONS

APPROVED BY	GM 41821298
	SUPV
	DSGN EC
JEH	DWN JEH
	CHKD EC
EC	QK KDY
DKY	DATE 07/03/13
	SCALES AS SHOWN

ECDA INVESTIGATION DIG (NSEG 197)
LOCATION A
WOODBRIDGE/LODI, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 1 OF 7	SHEETS
41821296	0

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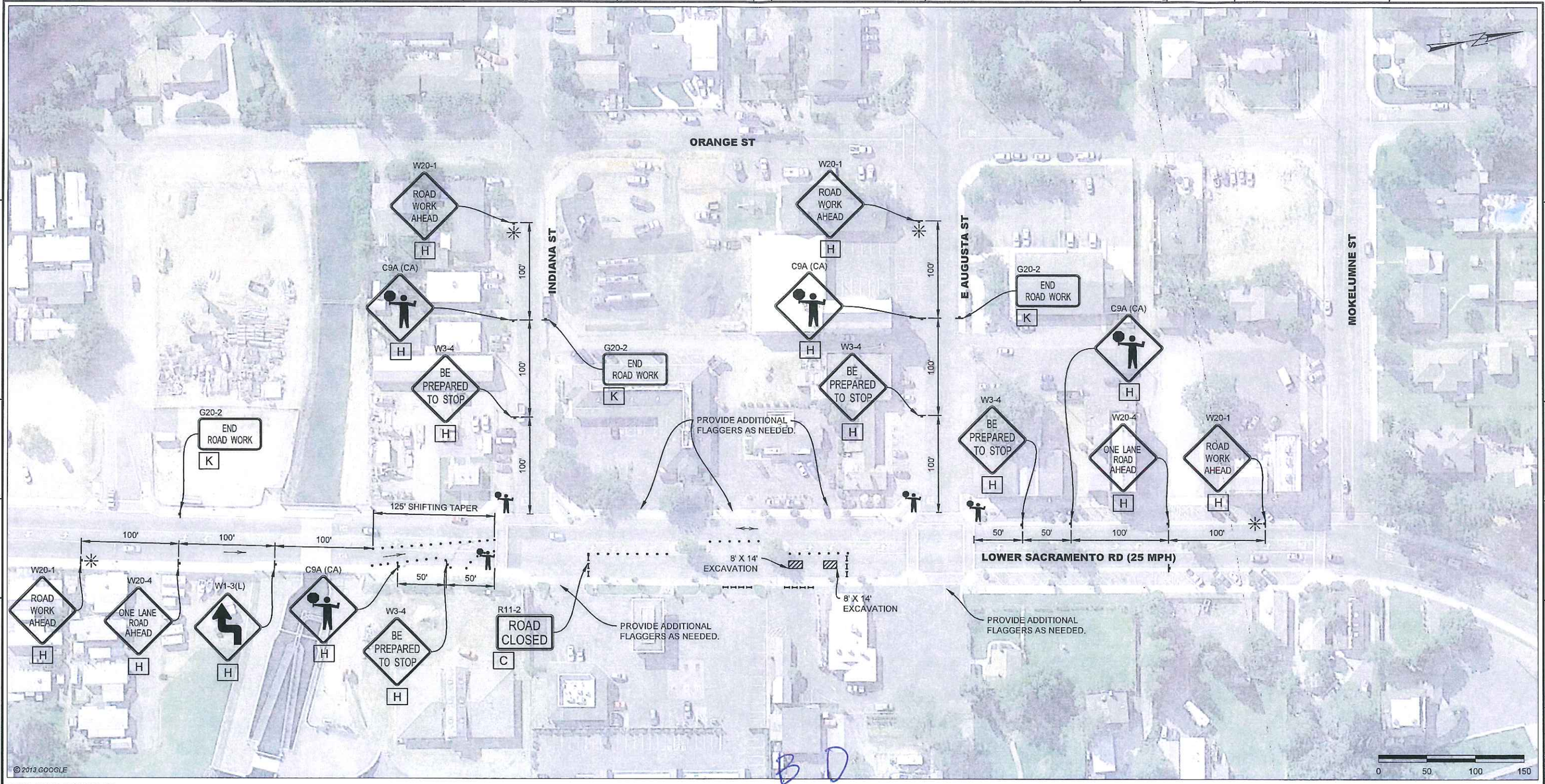

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LEGEND

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- = PORTABLE FLASHING BEACON
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (10' SPACING O.C.)
- = TYPE III BARRICADE WITH FLASHING YELLOW BEACON
- = FLASHING ARROW SIGN

B D

SIGN PANEL SIZE	
C	48" X 30"
H	36" X 36"
K	36" X 18"

REGISTERED PROFESSIONAL ENGINEER — K DANIEL YAU — No. 46611 — Exp. 3/31/14 — CIVIL — STATE OF CALIFORNIA — 07/01/13

MICROFILM

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
0	07/01/13	REVISED FOR PERMIT	41821296	JEH	EC	KDY	
0	06/11/13	ISSUED FOR PERMIT	41821296	JEH	EC	KDY	

REVISIONS

APPROVED BY	GM 41821296
	SUPV
	DSGN EC
JEH	DWN JEH
	CHKD EC
EC	OK KDY
DKY	DATE 07/01/13
	SCALES AS SHOWN

ECDA INVESTIGATION DIG (NSEG 197)
LOCATIONS B AND D
WOODBRIDGE/LODI, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 2 OF 7	SHEETS
41821296	0

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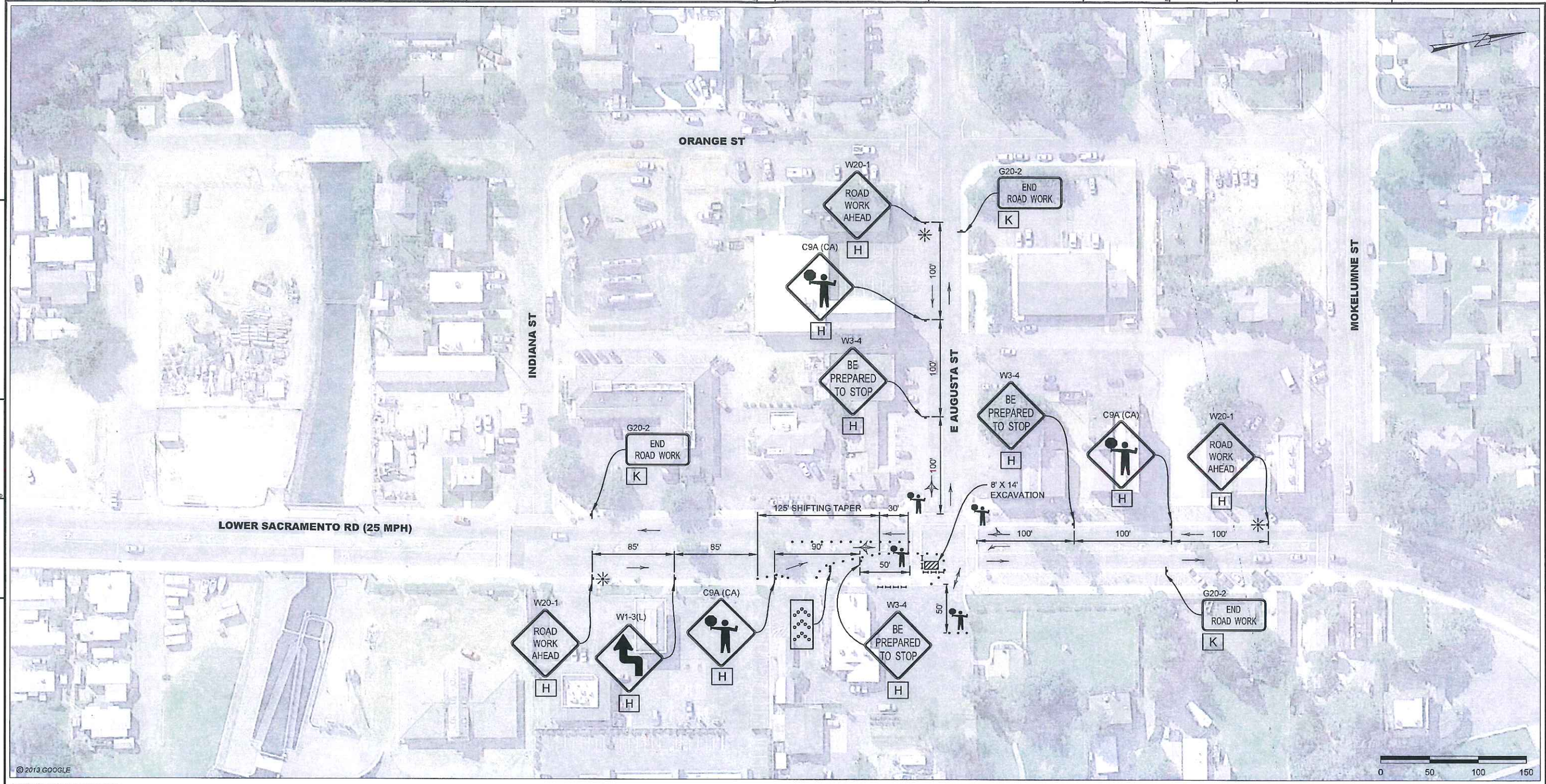

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- = CHANNELIZER (10' SPACING O.C.)
- = TYPE III BARRICADE WITH FLASHING YELLOW BEACON
- = FLASHING ARROW SIGN

C

SIGN PANEL SIZE

H	36" X 36"
K	36" X 18"

K DANIEL YAU
No. 34611
Exp. 3/31/14
CIVIL
STATE OF CALIFORNIA
PROFESSIONAL ENGINEER
REGISTERED
07/01/13

MICROFILM

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
1	07/01/13	REVISED FOR PERMIT	41821296	JEH	EC	KDY	
0	06/11/13	ISSUED FOR PERMIT	41821296	JEH	EC	KDY	

REVISIONS

APPROVED BY: GM 41821296
SUPV
DSGN EC
DWN JEH
CHKD EC
OK KDY
DATE 07/01/13
SCALES AS SHOWN

JEH
EC
DKY

ECDA INVESTIGATION DIG (NSEG 197)
LOCATION C
WOODBRIDGE/LODI, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO. 3 OF 7 SHEETS

41821296 | 0

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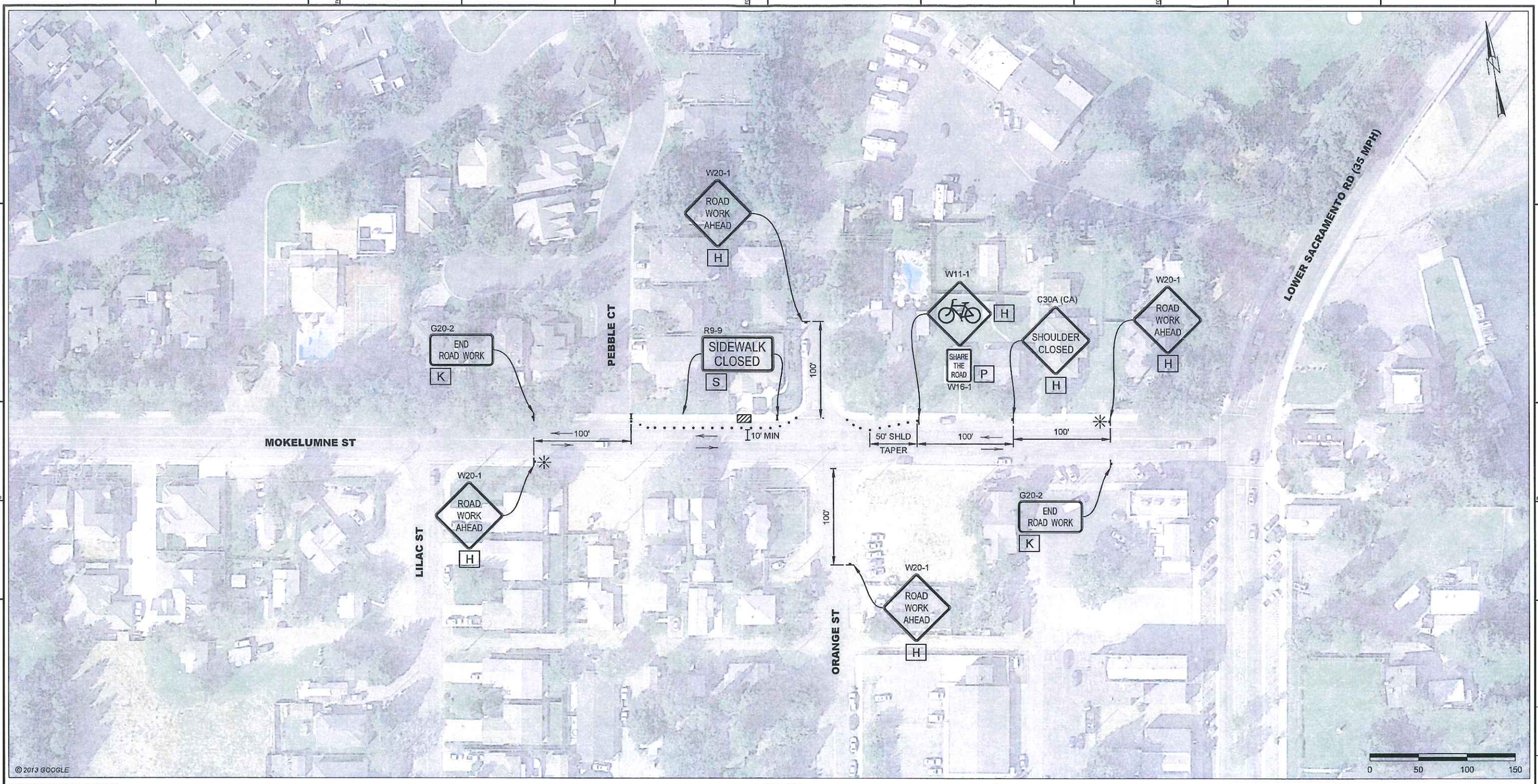

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- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (10' SPACING O.C.)
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E

SIGN PANEL SIZE	
H	36" X 36"
K	36" X 18"
P	24" X 30"
S	24" X 12"

REGISTERED PROFESSIONAL ENGINEER — K. DANIEL YAU — No. 34611 — EXP. 3/31/14 — CIVIL — STATE OF CALIFORNIA — 07/03/13

MICROFILM

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REVISIONS

APPROVED BY	GM 41821296
	SUPV
	DSGN EC
JEH	DWN JEH
	CHKD EC
EC	OK KDY
DKY	DATE 07/03/13
	SCALES AS SHOWN

ECDA INVESTIGATION DIG (NSEG 197)
LOCATION E
WOODBRIDGE/LODI, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSD/S	
SUPSD BY	
SHEET NO. 4 OF 7	SHEETS
41821296	0

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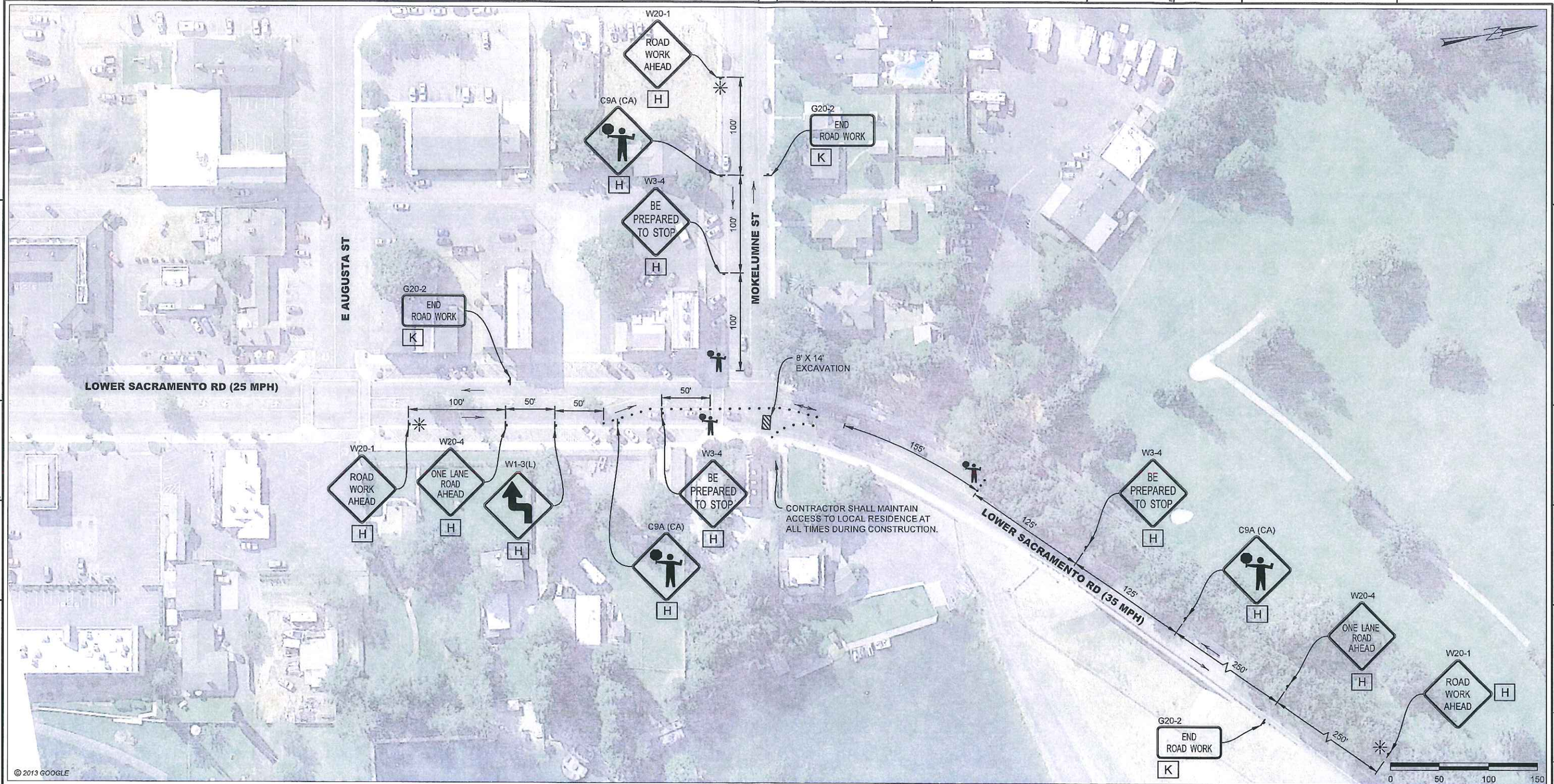

CONTRACTOR NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY CALTRANS, THE LOCAL FIRE DEPARTMENT, SHERIFF/POLICE DEPARTMENT, CALIFORNIA HIGHWAY PATROL, LOCAL SCHOOL DISTRICT, TRANSIT SERVICE PROVIDERS AND UNITED STATES POSTAL SERVICE 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS RESULTING FROM THE CONTRACTOR'S OPERATION. THIS REPAIR SHALL INCLUDE ALL CONSTRUCTION AND MATERIALS TO RESTORE THE SITE TO EXISTING CONDITIONS.
4. EACH ADVANCED WARNING SIGN ON EACH SIDE OF THE ROADWAY SHALL BE EQUIPPED WITH AT LEAST TWO FLAGS. FLASHING BEACONS SHALL BE PLACED AT THE LOCATION INDICATED FOR LANE CLOSURE DURING HOURS OF DARKNESS.
5. ALL WORKERS SHALL BE EQUIPPED WITH A REFLECTIVE VEST AND HARD HAT. ALL FLAGGERS SHALL ALSO BE EQUIPPED WITH A C28 "STOP/SLOW" PADDLE AND SHALL BE TRAINED IN THE PROPER FUNDAMENTALS OF FLAGGING TRAFFIC AND TWO-WAY RADIOS.
6. NO PARKING SIGNS SHALL BE PLACED 72 HOURS PRIOR TO SET UP. SIGNS SHALL BE POSTED EVERY 20 LINEAR FEET OF OCCUPIED SPACE WITH AT LEAST ONE SIGN AT EACH END OF OCCUPIED SPACE.
7. ANY CONFLICTING SIGNS WILL BE COVERED FOR THE LENGTH OF THE JOB.
8. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND DRIVEWAY ACCESS AT ALL TIMES.
9. Y&C TRANSPORTATION CONSULTANTS, INC. ASSUMES NO LIABILITY WHEN CONTRACTOR DOES OWN SET UP OR MAKES CHANGES TO THE ORIGINAL TRAFFIC CONTROL PLAN.
10. CITY/COUNTY ENGINEER OR HIS REPRESENTATIVE HAS THE AUTHORITY TO INITIATE FIELD CHANGES TO ASSURE PUBLIC SAFETY.
11. CONTRACTOR SHALL PLATE EXCAVATION AFTER WORK HOURS.

LEGEND

- = TEMPORARY SIGN POST
- = PORTABLE FLASHING BEACON
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (10' SPACING O.C.)

F

SIGN PANEL SIZE

H	36" X 36"
K	36" X 18"

K. DANIEL YAU
No. 24611
Exp. 9/30/14
CIVIL
PROFESSIONAL ENGINEER
REGISTERED
STATE OF CALIFORNIA
07/01/13

MICROFILM

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
1	07/01/13	REVISED FOR PERMIT	41821296	JEH	EC	KDY	
0	06/11/13	ISSUED FOR PERMIT	41821296	JEH	EC	KDY	

REVISIONS

APPROVED BY	GM	41821296
	SUPV	
	DSGN	EC
JEH	DWN	JEH
	CHKD	EC
EC	OK	KDY
DKY	DATE	07/01/13
	SCALES	AS SHOWN

ECDA INVESTIGATION DIG (NSEG 197)
LOCATION F
WOODBRIDGE/LODI, CALIFORNIA
SAN JOAQUIN COUNTY, CALIFORNIA

PACIFIC GAS AND ELECTRIC COMPANY
WALNUT CREEK, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO.	5 OF 7 SHEETS
41821296	0

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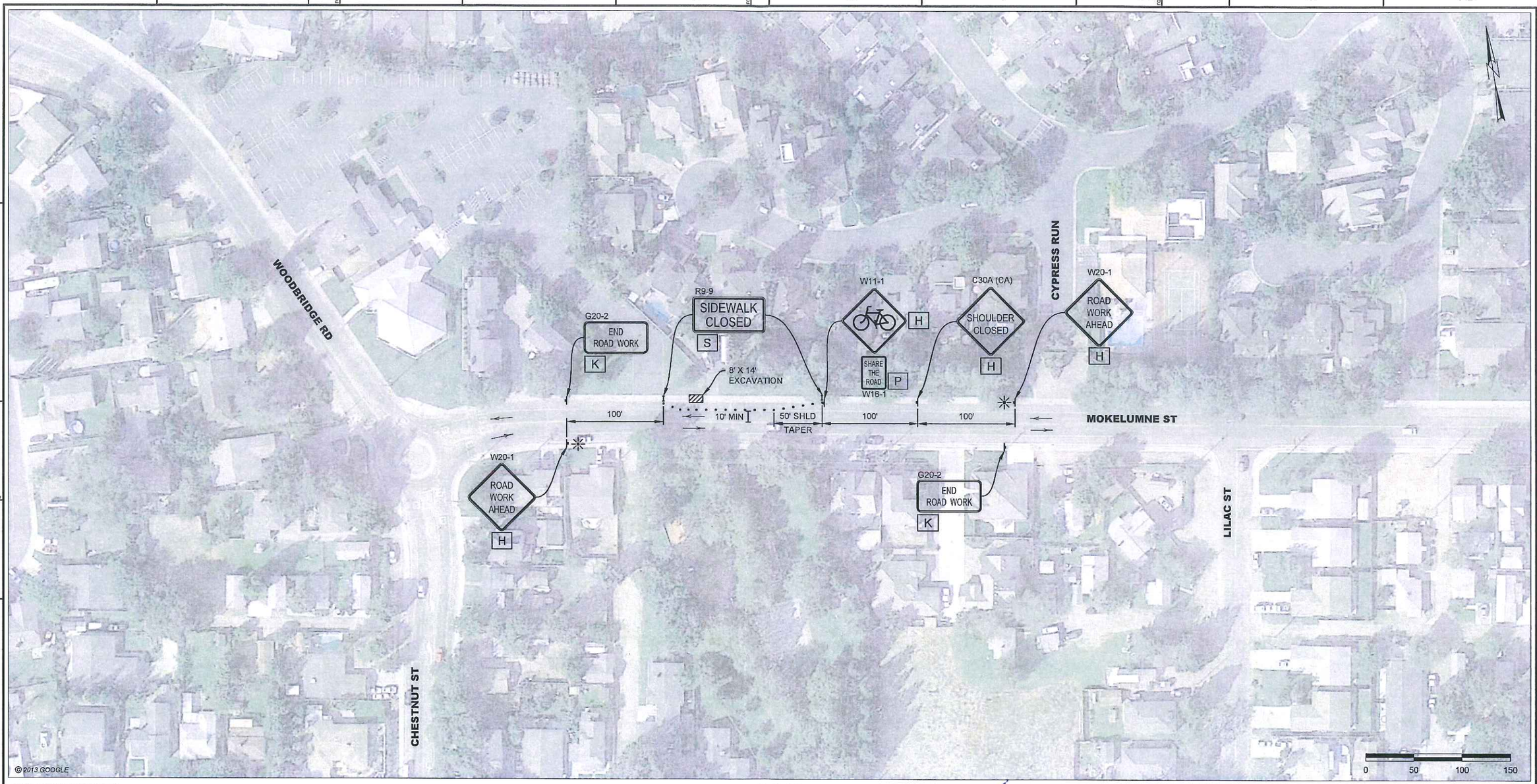

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LEGEND

- = TEMPORARY SIGN POST
- = PORTABLE FLASHING BEACON
- = TRAFFIC FLOW DIRECTION
- = CHANNELIZER (10' SPACING O.C.)
- I = TYPE III BARRICADE WITH FLASHING YELLOW BEACON

G

SIGN PANEL SIZE	
H	36" X 36"
K	36" X 18"
P	24" X 30"
S	24" X 12"

REGISTERED PROFESSIONAL ENGINEER — K. DANIEL YAU — No. 24611 — Exp. 3/31/14 — CIVIL — STATE OF CALIFORNIA
07/01/13

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REVISIONS

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	DSGN EC
JEH	DWN JEH
	CHKD EC
EC	OK KDY
DKY	DATE 07/01/13
	SCALES AS SHOWN

ECDA INVESTIGATION DIG (NSEG 197)
LOCATION G
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