

CITY OF LAFAYETTE
PROJECT No. 014-9696
MOUNT DIABLO BLVD / FIRST STREET TO BROWN AVENUE
EAST END PED/BIKE AND STREETScape IMPROVEMENTS PROJECT
LAFAYETTE CALIFORNIA

GENERAL NOTES:

- WORK SHALL NOT BEGIN UNTIL ADEQUATE TEMPORARY BARRIERS, FENCES, FLAG-PERSONS, WARNING SIGNS, LIGHTS, OR OTHER SAFETY MEASURES SUCH AS TRAFFIC AND PEDESTRIAN WARNING AND CONTROL DEVICES ARE IN PLACE IN ACCORDANCE WITH CURRENT CALTRANS TRAFFIC CONTROL STANDARDS. SUCH DEVICES AND MEASURES SHALL BE MAINTAINED AT ALL TIMES.
- TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ALL TRAFFIC CONTROL AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES" USED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PUBLIC SAFETY AND SAFETY OF EXISTING PUBLIC AND PRIVATE STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES, TRAFFIC CONTROL, SHORING, BRACING AND PERSONNEL IN ACCORDANCE WITH ALL NATIONAL SAFETY SPECS AND LOCAL SAFETY ORDINANCES.
- CONTRACTOR IS TO INSPECT THE PROJECT SITE PRIOR TO SUBMITTING A BID IN ORDER TO OBSERVE AND DETERMINE THE EXISTING SITE CONDITIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING.
- THE INFORMATION AND OBSTRUCTIONS SHOWN ON THE PROJECT PLANS AND PROVIDED IN THE SPECIFICATION ARE ONLY INFORMATIONAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WITHIN THE WORK AREA PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, (800) 227-2600, A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION. EXCAVATION SHALL NOT BEGIN UNTIL UNDERGROUND UTILITIES HAVE BEEN LOCATED.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES PRIOR TO THE START OF ANY WORK WHICH MAY AFFECT THEIR FACILITIES. THE FOLLOWING UTILITIES AND AGENCIES ARE KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS:

CENTRAL CONTRA COSTA SANITARY DISTRICT	(925) 228-9500
EAST BAY MUNICIPAL UTILITY DISTRICT (WATER)	(510) 287-0834
AT&T (TELEPHONE)	(415) 542-9000
PACIFIC GAS AND ELECTRIC (GAS)	(510) 784-3211
PACIFIC GAS AND ELECTRIC (ELECTRIC)	(510) 784-3236
COMCAST (CABLE TELEVISION)	(925) 349-3300
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL NECESSARY UTILITY CONNECTIONS, DISCONNECTION AND RELOCATION WITH THE APPROPRIATE UTILITY COMPANIES AND AFFECTED PARTIES.
- HAND TUNNELING/DIGGING WILL BE REQUIRED FOR EXCAVATION WORK IN WHICH EXISTING UTILITIES ARE WITHIN 24" OR LESS VERTICALLY OR HORIZONTALLY OF THE TRENCH LINE.
- THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE, AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPE, LOW SPOTS, OR HAZARDOUS CONDITIONS AND TO THE SATISFACTION OF THE ENGINEER.
- ALL GRADES SHOWN ARE FOR FINISHED SURFACES. CONTRACTOR SHALL CONSIDER SURFACE FINISHES IN DETERMINING ROUGH GRADES.
- PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS.
- ALL CONCRETE CURB, GUTTER, SIDEWALK AND WALKWAY REMOVAL MUST EXTEND TO NEAREST CONTROL OR EXPANSION JOINT.
- SIDEWALKS SHALL BE REPLACED BY SAW-CUTTING ALONG SCORE MARKS, THEN REMOVING AND REPLACING THE ENTIRE WIDTH OF THE SIDEWALK PER DETAILS SHOWN ON THE PLANS AND AS SPECIFIED IN THE SPECIAL PROVISIONS.
- STATIONARY NOISE SOURCES SHALL BE LOCATED AS FAR FROM ADJACENT RECEPTORS AS POSSIBLE, AND SHALL BE MUFFLED AND ENCLOSED WITHIN TEMPORARY SHEDS, INCORPORATE INSULATION BARRIERS, OR OTHER MEASURES TO THE EXTENT FEASIBLE.
- MUD TRACKED ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY. STREETS SHALL BE SWEPT AS DIRECTED BY THE ENGINEER.
- THE EXISTING SUBGRADE MATERIAL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN 95% UNLESS OTHERWISE NOTED.
- ALL STREET MONUMENTS, LOT CORNER PIPES, AND OTHER PERMANENT SURVEY MONUMENTS DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED CIVIL ENGINEER OR LICENSED LAND SURVEYOR AT CONTRACTOR'S EXPENSE, INCLUDING FILING THE APPROPRIATE SURVEY DOCUMENT WITH THE COUNTY SURVEYOR, BEFORE THE IMPROVEMENTS ARE ACCEPTED BY THE CITY.
- THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS UNOBSTRUCTED PATH OF INGRESS AND EGRESS TO ALL PUBLIC AND PRIVATE PROPERTIES ADJACENT TO THE WORK THROUGH OUT THE PERIOD OF CONSTRUCTION. ACCESS SHALL COMPLY WITH ADA REQUIREMENTS. WHEN THE CONSTRUCTION ACTIVITY HAS A DIRECT IMPACT ON THE BUSINESS ACCESS, CONTRACTOR SHALL COORDINATE HIS WORK WITH THE BUSINESS OPERATING HOURS TO MINIMIZE THE IMPACT. ANY SPECIAL ARRANGEMENTS SHALL BE APPROVED BY THE ENGINEER.
- NO PARKING OR VEHICLE TURNAROUND ALLOWED ON PRIVATE PROPERTY.
- ENGINEER WILL MARK THE BEGINNING AND END LOCATIONS FOR THE REMOVAL AND REPLACEMENT OF CURB, GUTTER AND CONFORMS IN THE FIELD.

CONSTRUCTION NOTES:

- PROTECT EXISTING LANDSCAPE AREA AND IRRIGATIONS SYSTEM(S). WHERE NEW SIDEWALK EXTENDS INTO EXISTING LANDSCAPE AREA, REPLACE OR RELOCATE EXISTING IRRIGATION AS NECESSARY TO CONSTRUCT THE NEW IMPROVEMENTS AND RESTORE THE EXISTING LANDSCAPE AREA TO WORKING ORDER.
- REPLACE THAT PORTION OF THE REMOVED CONCRETE SIDEWALK, CURB & GUTTER, OR AC PAVEMENT WITH PLANTER AREA AS SHOWN ON THE PLANS. REMOVE ALL MATERIALS TO A DEPTH OF 4" BELOW TOP OF CURB (INCLUDING BUT NOT LIMITED TO MULCH, SOIL, ETC.). PLACE VISQUEEN AND 3" LAYER OF MULCH IN THE PLANTER AREA.
- REPLACE THAT PORTION OF REMOVED CONCRETE SIDEWALK, CURB & GUTTER, OR AC PAVEMENT W/ PLANTER AREA AS SHOWN ON PLAN, REFER TO LANDSCAPE PLANS FOR MORE DETAILS.
- SAW-CUT AND REMOVE EXISTING CONCRETE SIDEWALK, REPLACE WITH NEW AS SHOWN ON THE PLANS. MATCH EXISTING GRADE AS SHOWN OR AS DIRECTED BY THE ENGINEER AND DOWEL NEW CONCRETE TO EXISTING PER THE DETAILS AND AS DIRECTED BY THE ENGINEER.
- PROTECT EXISTING TREE AND ROOTS WHERE APPLICABLE. ALL EXCAVATIONS IN FRONT OF OR ADJACENT TO TREES AND TREE ROOTS SHALL BE DONE IN THE PRESENCE OF AND AS DIRECTED BY A CERTIFIED ARBORIST AND/OR THE ENGINEER. "HAND EXCAVATION" ARE REQUIRED IN THESE AREAS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROTECT EXISTING STREETLIGHT, TRAFFIC SIGNAL POLE, OR PEDESTRIAN SIGNAL POLE IN PLACE.
- TRIM EXISTING HEDGE OR SHRUBS AS REQUIRED FOR CONSTRUCTION. REGRADE AT BACK OF WALK TO CONFORM TO NEW GRADES.
- ADJUST TRAFFIC SIGNAL BOX, OR STREET LIGHT BOX TO NEW GRADE.
- ADJUST PG&E VAULT FRAME AND COVER TO NEW GRADE.
- ADJUST PG&E GAS VALVE FRAME AND COVER TO NEW GRADE.
- ADJUST BROADBAND OR CATV BOX TO NEW GRADE.
- ADJUST CCCSD MANHOLE/RODDING INLET FRAME AND COVER TO NEW GRADE.
- ADJUST STORMDRAIN MANHOLE FRAME AND COVER TO NEW GRADE.
- ADJUST WATER VALVE FRAME AND COVER TO NEW GRADE.
- ADJUST WATER METER BOX TO NEW GRADE.
- CONNECT EXISTING PRIVATE DRAIN LINE TO STORM DRAIN PER PLAN.
- EXISTING LOOP DETECTOR, REPLACE DAMAGED ONES AS SHOWN ON ELECTRICAL PLANS.
- REMOVE AND REPLACE CONCRETE SIDEWALK, ACCESSIBLE RAMP, AND CURB & GUTTER PER PLAN.
- REMOVE & REPLACE CONCRETE SIDEWALK AND DRIVEWAY AS SHOWN ON PLAN.
- REMOVE AND REPLACE CONCRETE SIDEWALK/PATHWAY AS SHOWN ON PLAN.
- REMOVE AND REPLACE EXISTING CURB AND GUTTER AS SHOWN ON PLAN, DOWEL TO EXISTING PER DETAILS.
- CONSTRUCT STD. CROSSWALK PER DETAIL I, SHEET C10.
- REMOVE SHRUBS AND PLANTING.
- SAW-CUT AT THE BASE OF EXISTING STREETLIGHT, TRAFFIC SIGNAL POLE, OR PEDESTRIAN SIGNAL POLE. REMOVE AND REPLACE GROUT TO MATCH NEW GRADES AS NEEDED, AND AS DIRECTED BY THE ENGINEER.
- EXISTING PLANTER, REMOVE ALL MATERIALS TO A DEPTH OF 4" BELOW TOP OF CURB OR SIDEWALK (INCLUDING BUT NOT LIMITED TO MULCH, SOIL, ETC.). PLACE VISQUEEN AND 3" LAYER OF MULCH IN THE PLANTER AREA.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY OR R/W LINE
		CENTERLINE
		JOINT POLE
		SANITARY SEWER & MANHOLE
		STORM DRAIN & MANHOLE
		STORM INLET/CATCH BASIN
		FIRE HYDRANT
		WATER MAIN & GATE VALVE
		SPOT ELEVATION
		EXISTING GRADE TO CHANGE
		EXISTING GRADE TO MATCH
		FIBER OPTIC
		JOINT TRENCH
		SIGN
		EXISTING TREE
		STANDARD CITY MONUMENT
		WATER SERVICES & METER
		CLEANOUT
		ELECTRIC BOX
		NEW MEDIAN STREET LIGHT
		PG&E BOX
		CABLE TELEVISION BOX
		TRAFFIC SIGNAL BOX
		NEW PLANTER AREA (FOR FUTURE PLANTING)

ABBREVIATIONS

AB	AGGREGATE BASE	JT	JOINT TRENCH
AC	ASPHALT CONCRETE	LP	LOW POINT
AD	AREA DRAIN	LT	LEFT
APPROX	APPROXIMATE	MH	MANHOLE
BC	BEGINNING OF CURVE	MON	MONUMENT
BCC	BEGIN OF COMPOUND CURVE	N.T.S.	NOT TO SCALE
BFP	BACKFLOW PREVENTOR	PCC	PORTLAND CEMENT CONCRETE
BW	BOTTOM OF WALL ELEVATION	PERF	PERFORATED SUBDRAIN
BWK	BACK OF WALK	PUE	PUBLIC UTILITY EASEMENT
CB	CATCH BASIN	PVC	POLYVINYL CHLORIDE
CL	CENTERLINE	R	RADIUS
CO	CLEANOUT	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RIM	RIM ELEVATION
DI	DRAIN INLET	RT	RIGHT
DWY	DRIVEWAY	RW	RIGHT OF WAY
E	ELECTRIC	SD	STORM DRAIN
EC	END OF CURVE	SLT	STREET LIGHT
ELEV	ELEVATION	SRV	SERVICE
EP	EDGE OF PAVEMENT	SS	SANITARY SEWER
EX	EXISTING	ST	STREET
FC	FACE OF CURB	STA	STATION
FF	FINISHED FLOOR ELEVATION	STD	STANDARD
FG	FINISHED GRADE	SW	SIDEWALK
FH	FIRE HYDRANT	T	TELEPHONE
FL	FLOW LINE	TC	TOP OF CURB
G	GAS	TEMP	TEMPORARY
GB	GRADE BREAK	TP	TOP OF PAVEMENT
GL	GUTTER LIP	TW	TOP OF WALL ELEVATION
GV	GATE VALVE	TYP	TYPICAL
HC	HANDICAP	U.O.N.	UNLESS OTHERWISE NOTED
HP	HIGH POINT	W	WATER LINE
INV	INVERT	WM	WATER MAIN
IRR	IRRIGATION	WV	WATER VALVE

BEFORE EXCAVATING CALL U.S.A.

THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES. UNDERGROUND SERVICE ALERT (USA) SHOULD BE NOTIFIED FOR ASSISTANCE IN THIS MATTER AT (800) 227-2600, 48 HOURS PRIOR TO ANY CONSTRUCTION. THE (USA) AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOB SITE. LOCATION AND CHARACTER OF ANY UTILITIES IF SHOWN HEREON ARE APPROXIMATE, AND TAKEN FROM A COMBINATION OF SURFACE STRUCTURE OBSERVATION AND/OR THE RECORDS OF THE CONTROLLING AGENCY. HUMANN COMPANY DOES NOT ASSUME RESPONSIBILITY FOR THE LOCATION OF ANY EXISTING UTILITIES OR OTHER UNDERGROUND FEATURES SUCH AS VAULTS, TANKS, BASEMENTS, BURIED OBJECTS, ...ETC.

BENCHMARK: ELEVATIONS SHOWN HEREON ARE BASED UPON THE STANDARD BENCHMARK DISK NO. 1419, SET IN CONCRETE RETAINING WALL IN FRONT OF OFFICE BUILDING AT SW CORNER OF THE INTERSECTION OF MT. DIABLO BLVD & ALMANOR LANE.

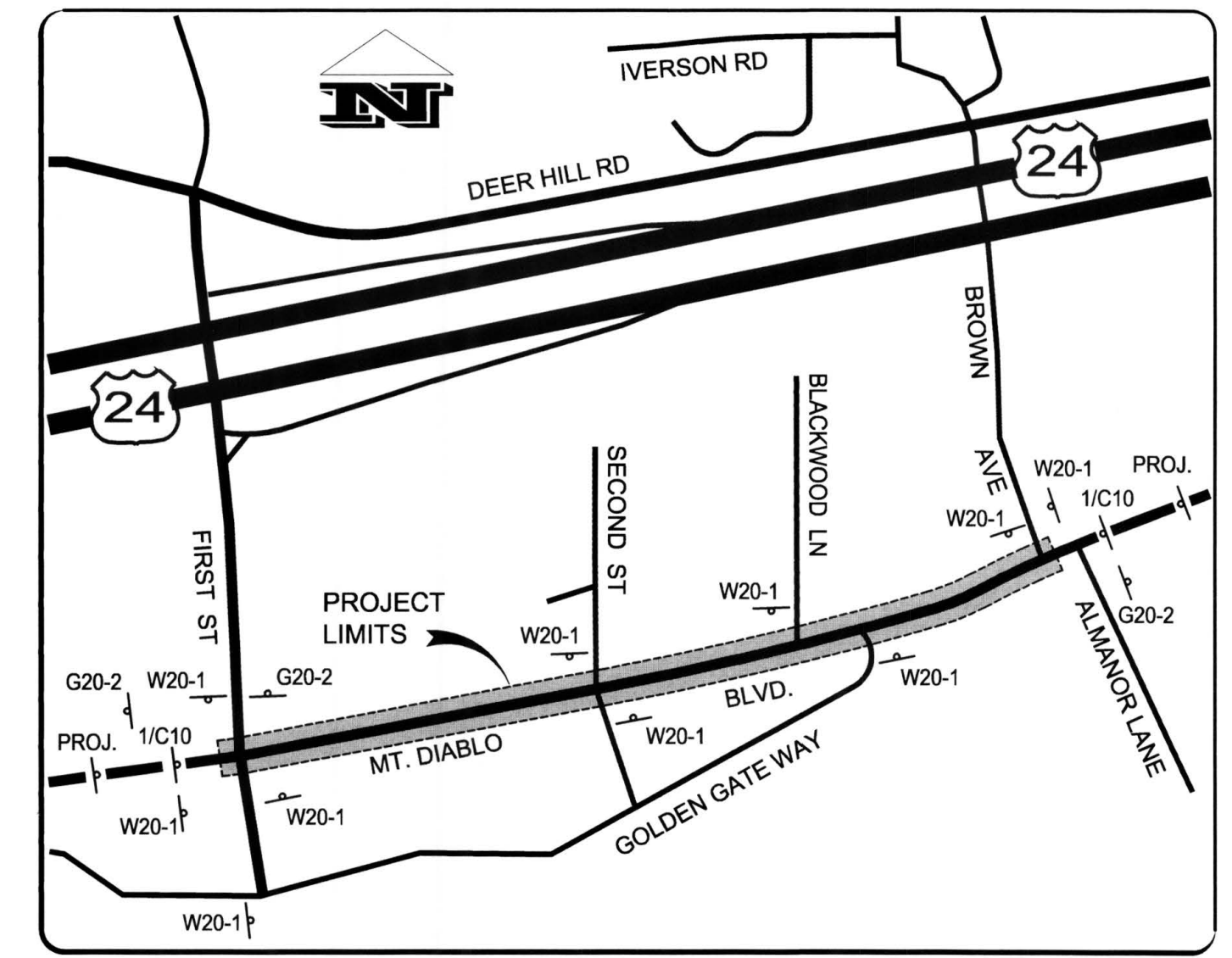
BASIS OF BEARINGS: THE BASIS OF BEARINGS WAS TAKEN AS N80°32'45"E BETWEEN THE TWO STANDARD STREET MONUMENTS ON MOUNT DIABLO BOULEVARD AS SHOWN ON THE RECORD OF SURVEY, RECORDED NOVEMBER 8, 1994, IN BOOK 106 OF LSM, PAGE 48. (REFER TO SHEET C04)

CONFORM PAVING NOTE

- SAW-CUT/ CONFORM PAVING, UNLESS OTHERWISE NOTED, SHALL BE MINIMUM 12" WIDE ADJACENT TO ALL NEW CURBS, CURB GUTTERS AND CROSSWALK IMPROVEMENTS. FIELD ADJUSTMENT MAY BE MADE TO ENSURE THAT FINAL PAVEMENT CROSS SLOPES ARE ACCEPTABLE TO THE ENGINEER.
- DEPTH OF PAVING SHALL BE 8" OR MORE AS SHOWN ON DETAILS PLACED AND COMPACTED IN 4" MAXIMUM LIFT THICKNESS.

STRIPING & MARKING NOTES:

- ALL PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC.
- RESTORE ALL DAMAGED STRIPING AND BIKE LANE MARKING PER STATE STANDARD PLANS.
- STRIPES ALL NEW MEDIAN NOSES WITH YELLOW PAINT AND INSTALL TYPE K-2 (CA) OBJECT MARKER AT THE ISLAND NOSE ALONG WITH 3 EACH YELLOW TYPE C REFLECTIVE MARKERS.



LOCATION MAP & CONSTRUCTION AREA SIGNS N.T.S.

CONSTRUCTION AREA SIGNS:

G20-2	END ROAD WORK	42"x18"	3 EA	
W20-1	ROAD WORK AHEAD	36"x36"	10 EA	
PROJ	PROJECT IDENTIFICATION SIGN	36"x48"	2 EA	SIGNS ARE PROVIDED BY THE CITY
1/C10	TRAFFIC DELAY SIGN	42"x18"	2 EA	REFER TO SHEET C10 DETAIL 1
2/C10	BUSINESS OPEN SIGN	42"x24"	6 EA	REFER TO SHEET C10 DETAIL 2

- CONSTRUCTION AREA SIGNS NOTES:**
- PROJECT IDENTIFICATION SIGN LOCATION SHALL BE AS DIRECTED BY ENGINEER.
 - ALL CONSTRUCTION SIGNS SHALL BE IN CONFORMANCE WITH THE CURRENT CALTRANS MANUAL OF TRAFFIC CONTROL (MUTCD).
 - EXACT SIGN LOCATIONS TO BE APPROVED BY THE ENGINEER IN THE FIELD.
 - ALL CONSTRUCTION SIGNS SHALL BE STATIONARY MOUNTED ON 4"x6" WOODEN POSTS, EXCEPT FOR THE "BUSINESS OPEN" SIGNS WHICH SHALL BE PORTABLE TO BE INSTALLED ADJACENT TO DAILY WORK AREAS.
 - DO NOT STRAP SIGNS TO EXISTING SIGNS OR UTILITY POLES.

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6	C06	FIRST STREET AND BLACKWOOD LANE PED CROSSING
7	C07	SECOND STREET PED CROSSING
8	C08	GOLDEN GATE WAY PED CROSSING
9	C09	BROWN AVENUE PED CROSSING
10	C10	SECTIONS, DETAILS AND EROSION CONTROL NOTES & DETAILS
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NO.	DATE	BY	REVISIONS

SCALE	AS NOTED
DATE	08/30/2013
ENGINEER	H. N.
PROJECT NO.	12019

HUMANN COMPANY INC.
ENGINEERING - SURVEYING
1021 BROWN AVE. LAFAYETTE, CA 94549
PH (925)283-5000 FAX (925)283-3578

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 29528
Itzatt's
ITZATT'S, NASHASHIBI R.C.E. 29528

CITY OF LAFAYETTE
PROJECT No. 014-9696
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EAST END PED/BIKE AND STREETScape IMPROVEMENTS PROJECT
LAFAYETTE CALIFORNIA
NOTES AND LEGEND

REVIEWED BY:
CITY OF LAFAYETTE
9/4/2013
LAFAYETTE TONY COE
ENGINEERING SERVICES MANAGER DATE

SHEET **C01**
OF 11 SHEETS
PROJ. NO. 014-9696