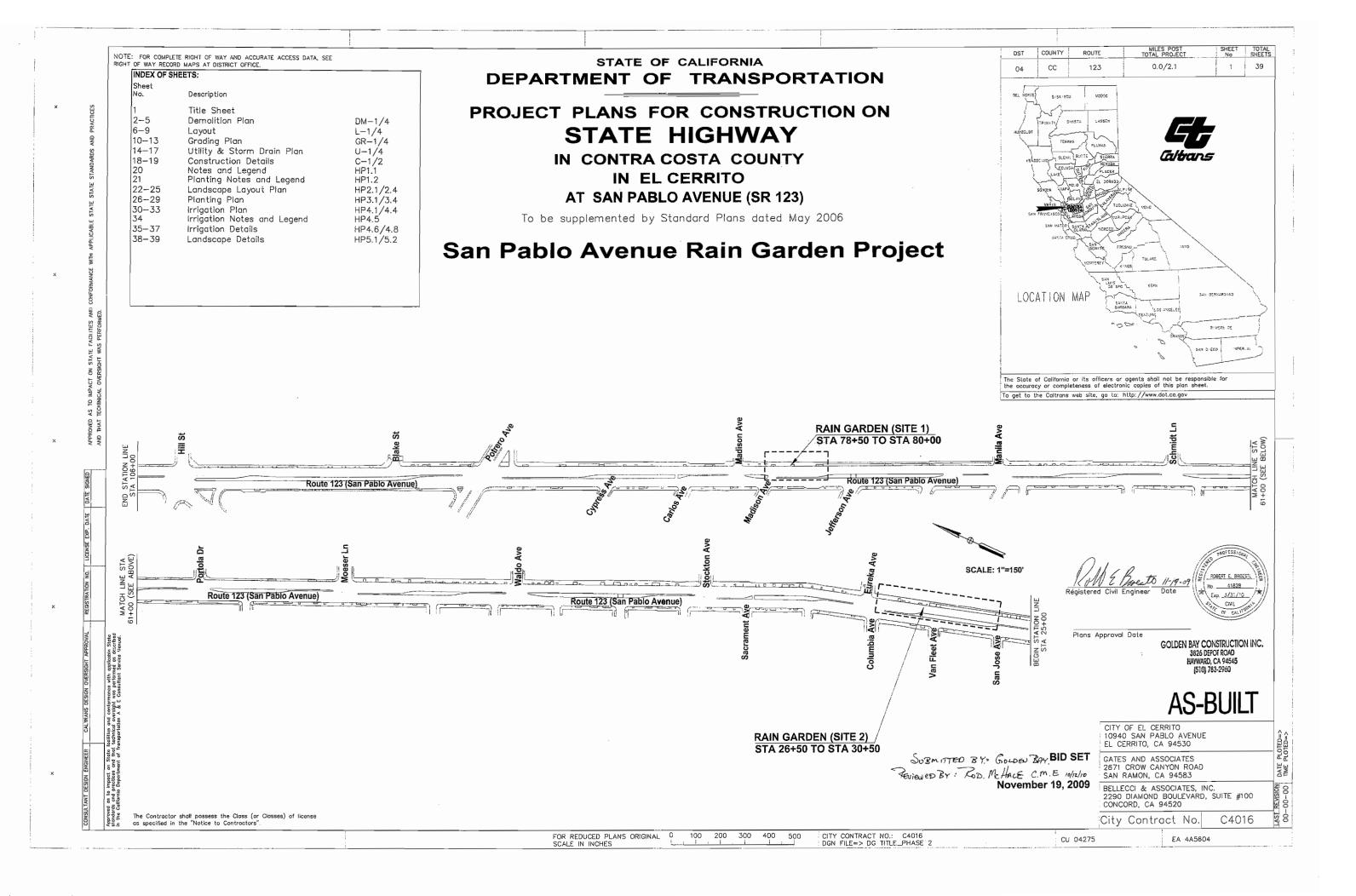
## El Cerrito Green Streets Project Final Project Certification Report

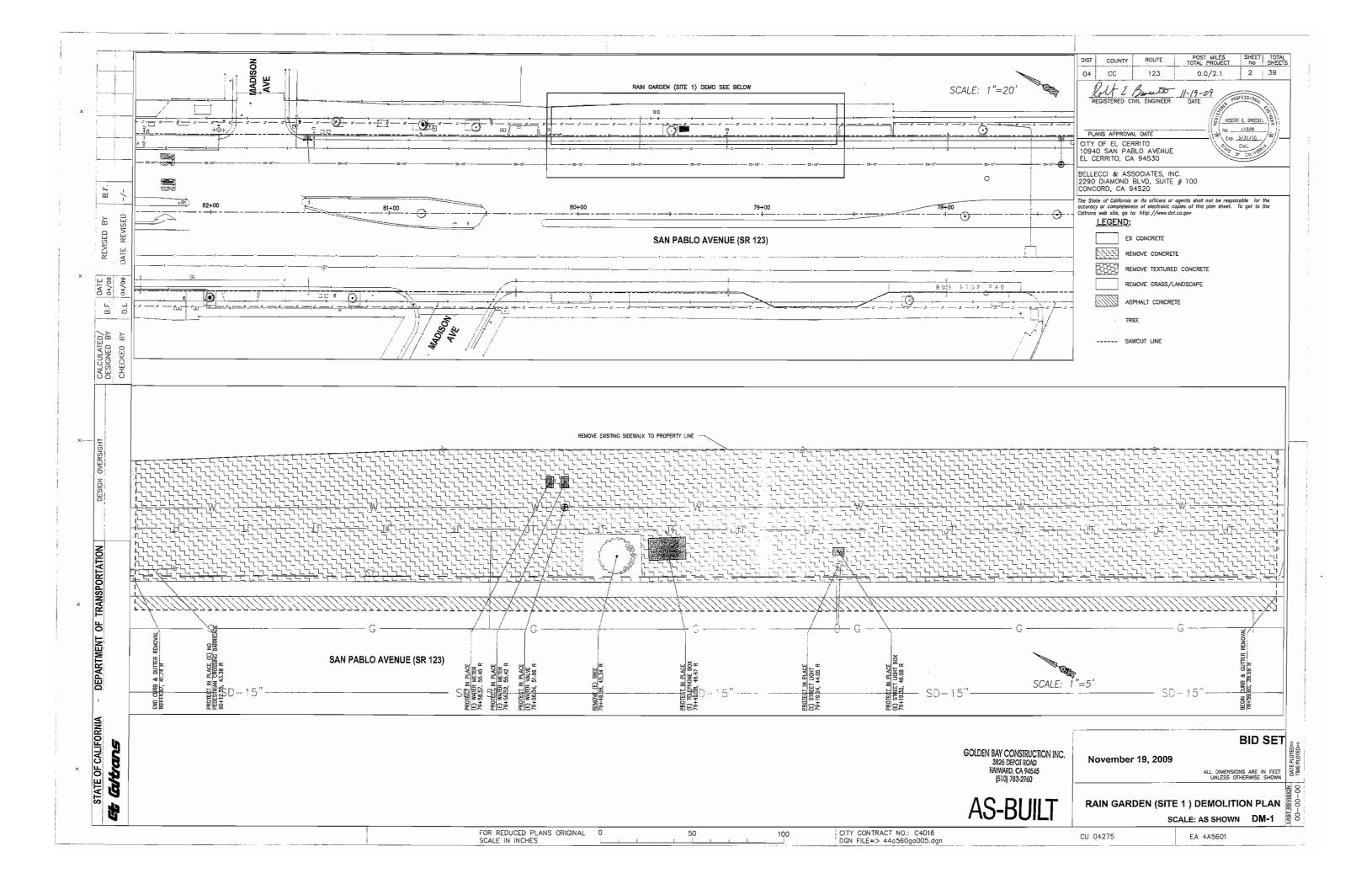
## APPENDIX III RAIN GARDENS "AS-BUILT" CONSTRUCTION DOCUMENTS

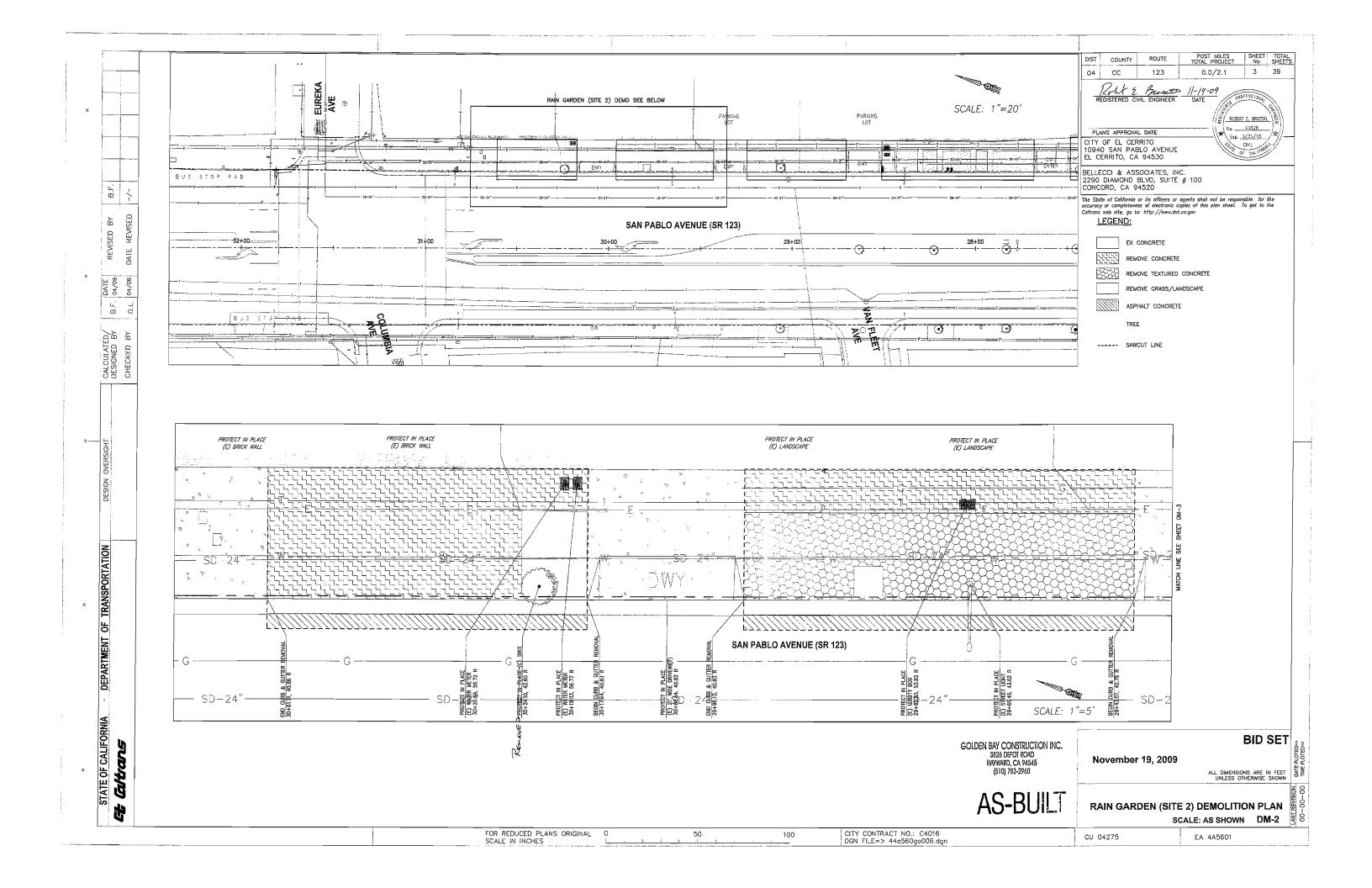


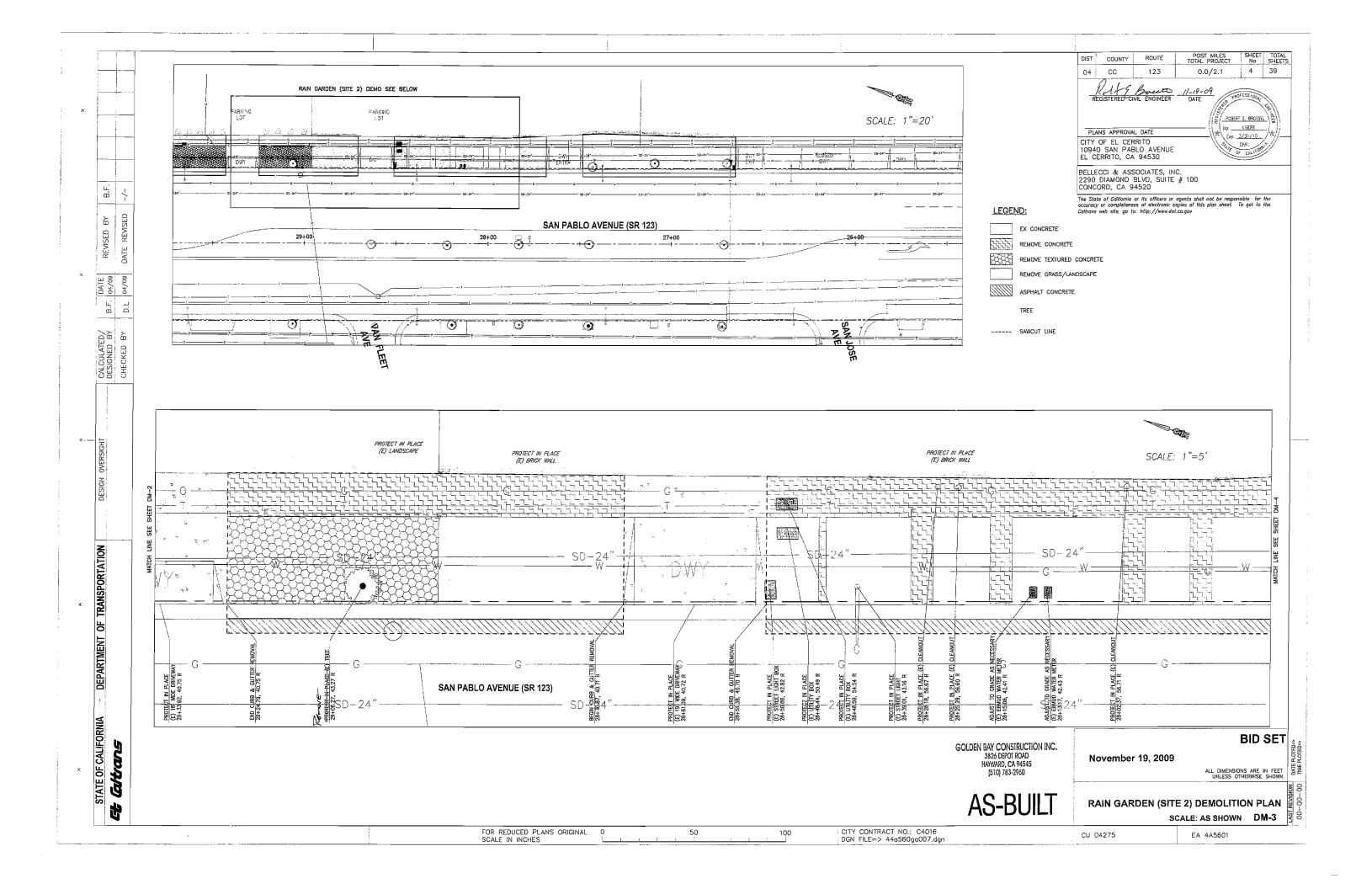
**Submitted by:** San Francisco Estuary Partnership

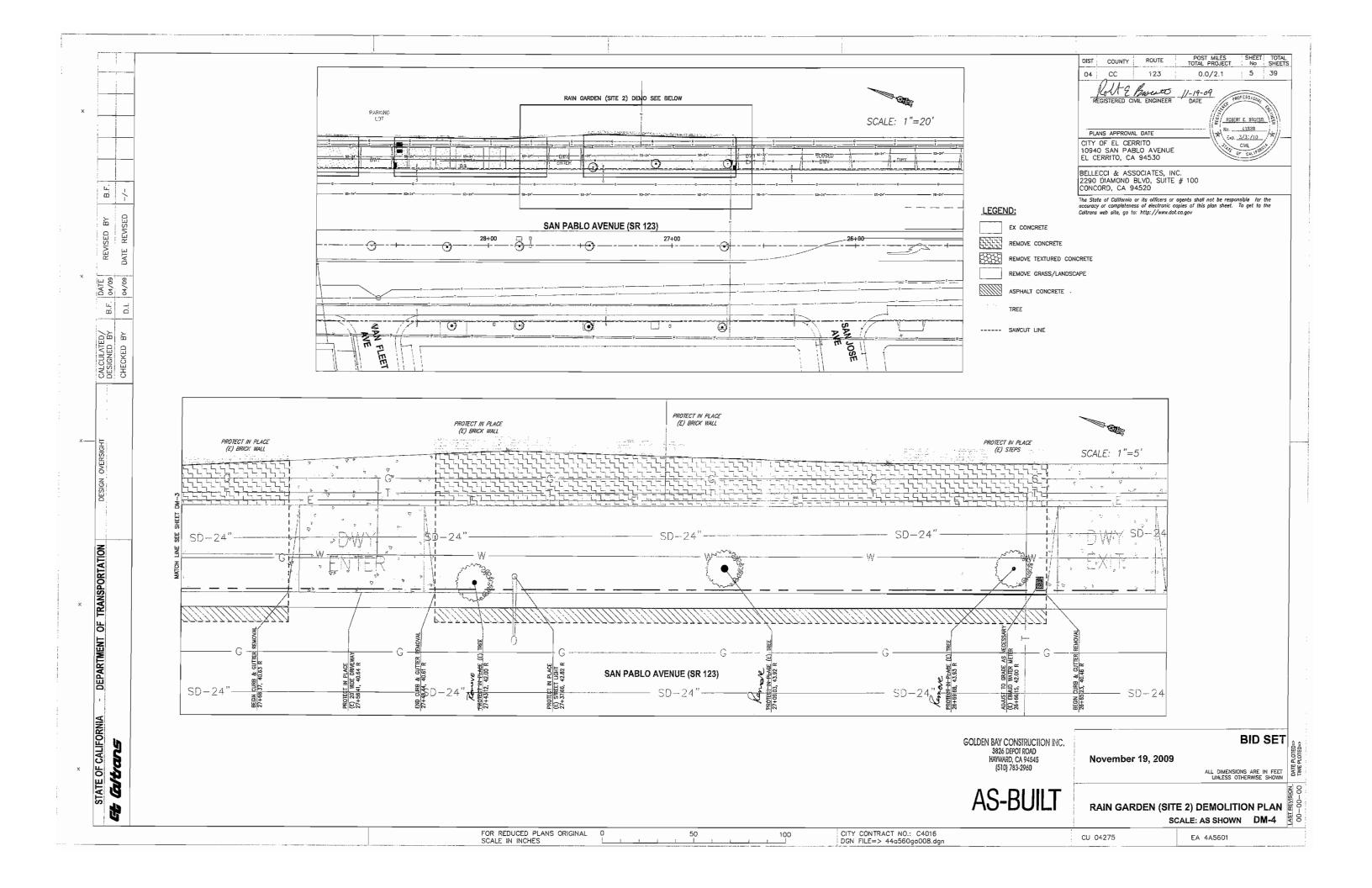
Date: November, 2012

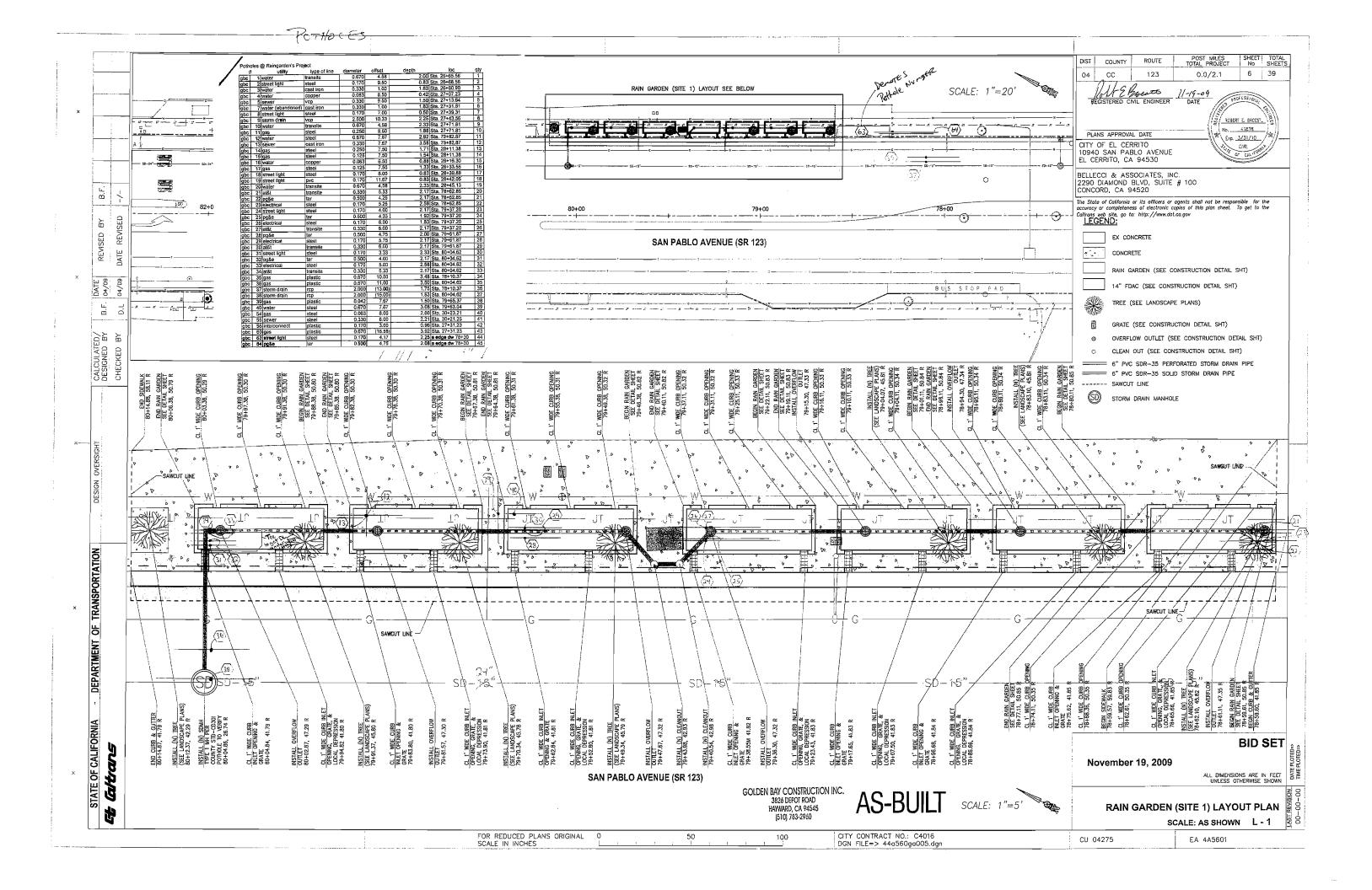


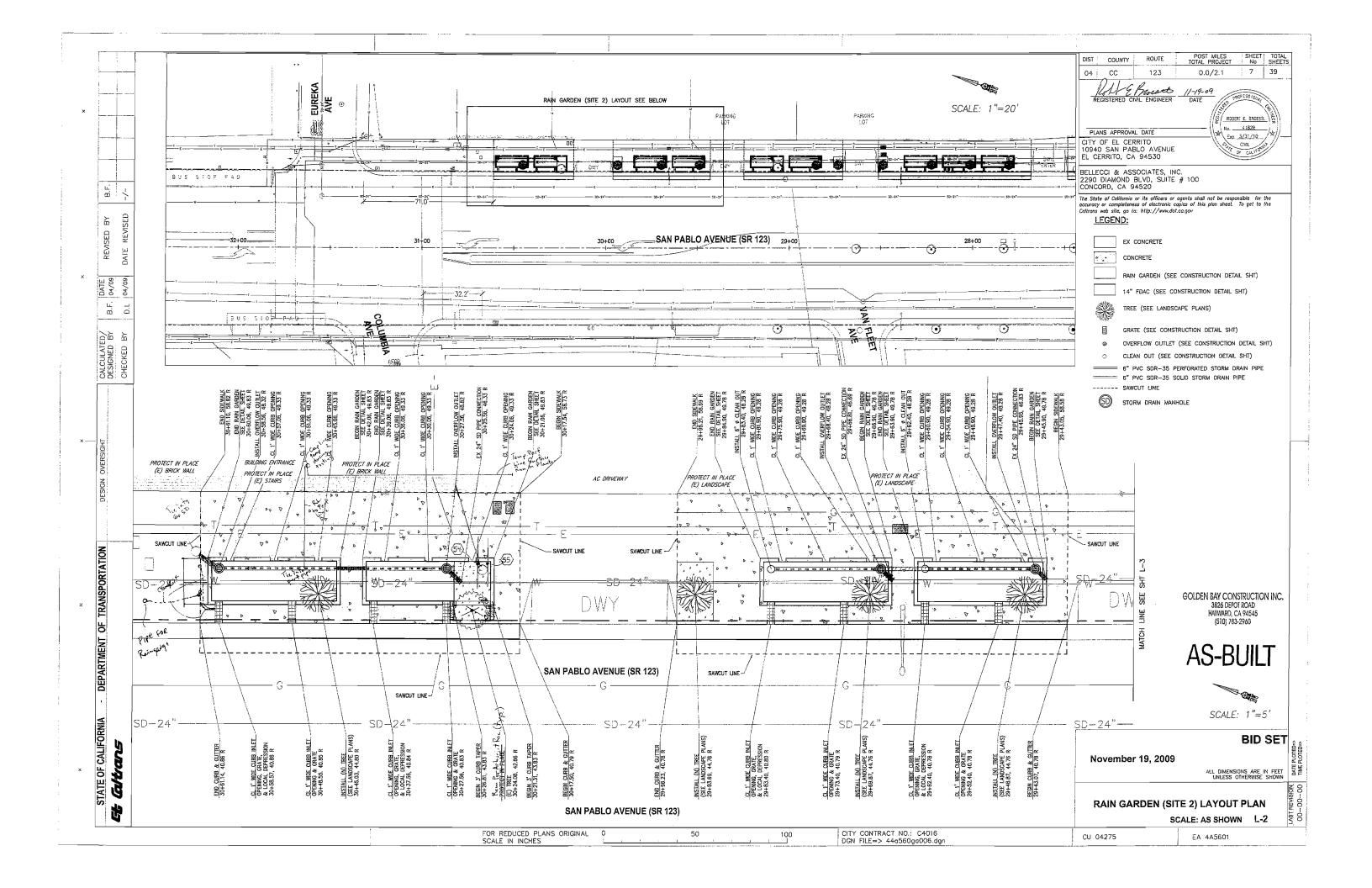


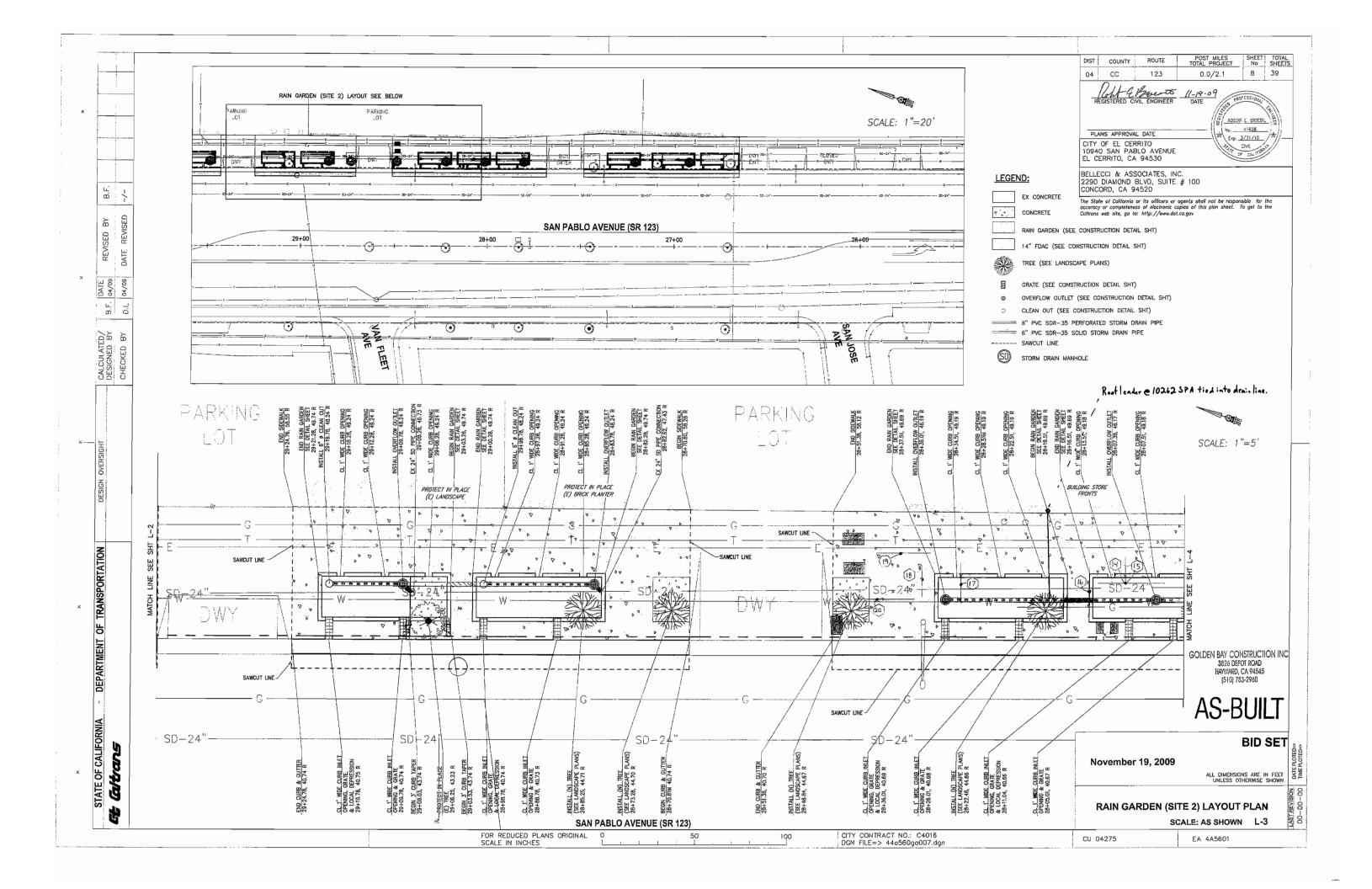


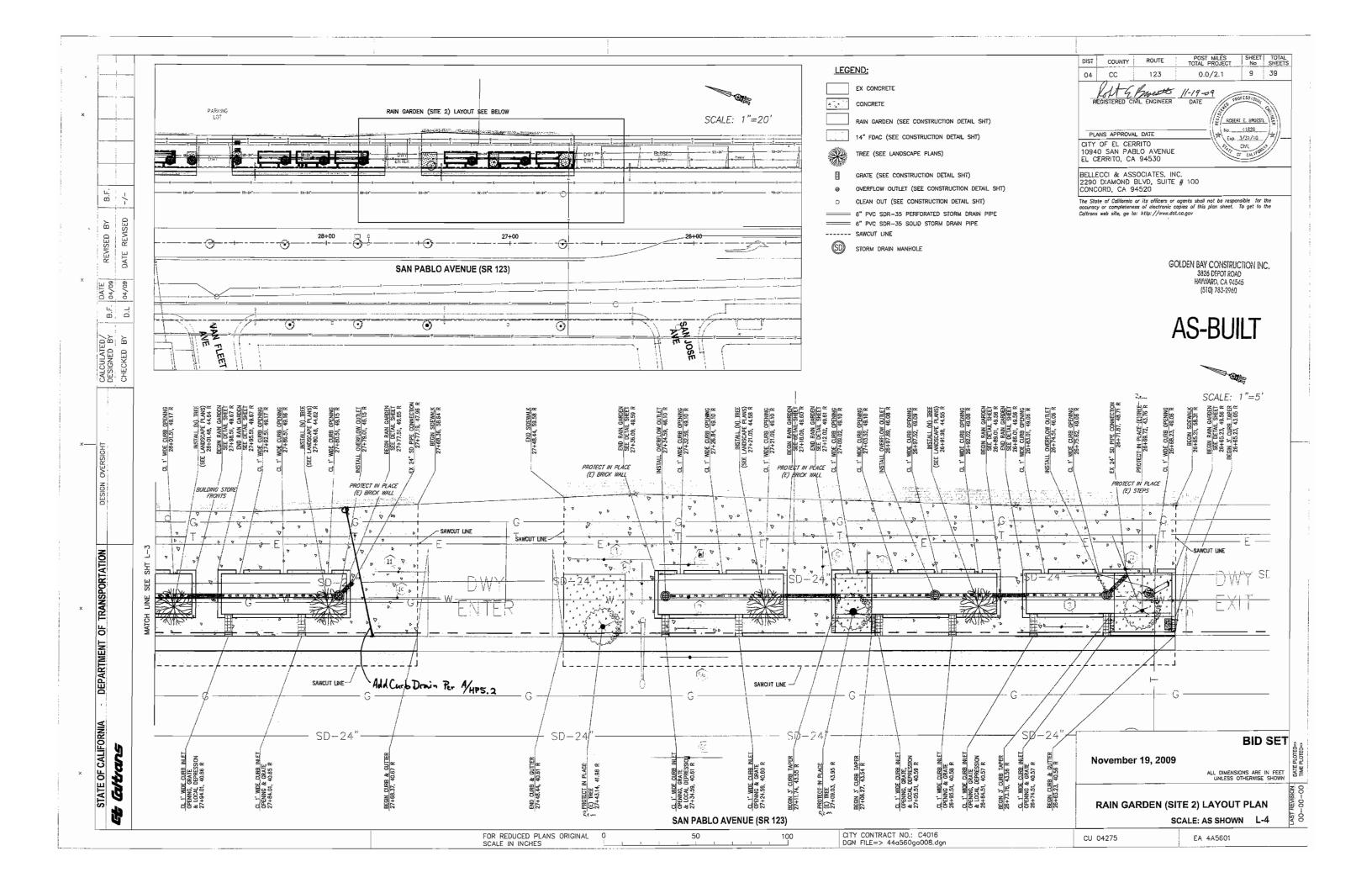


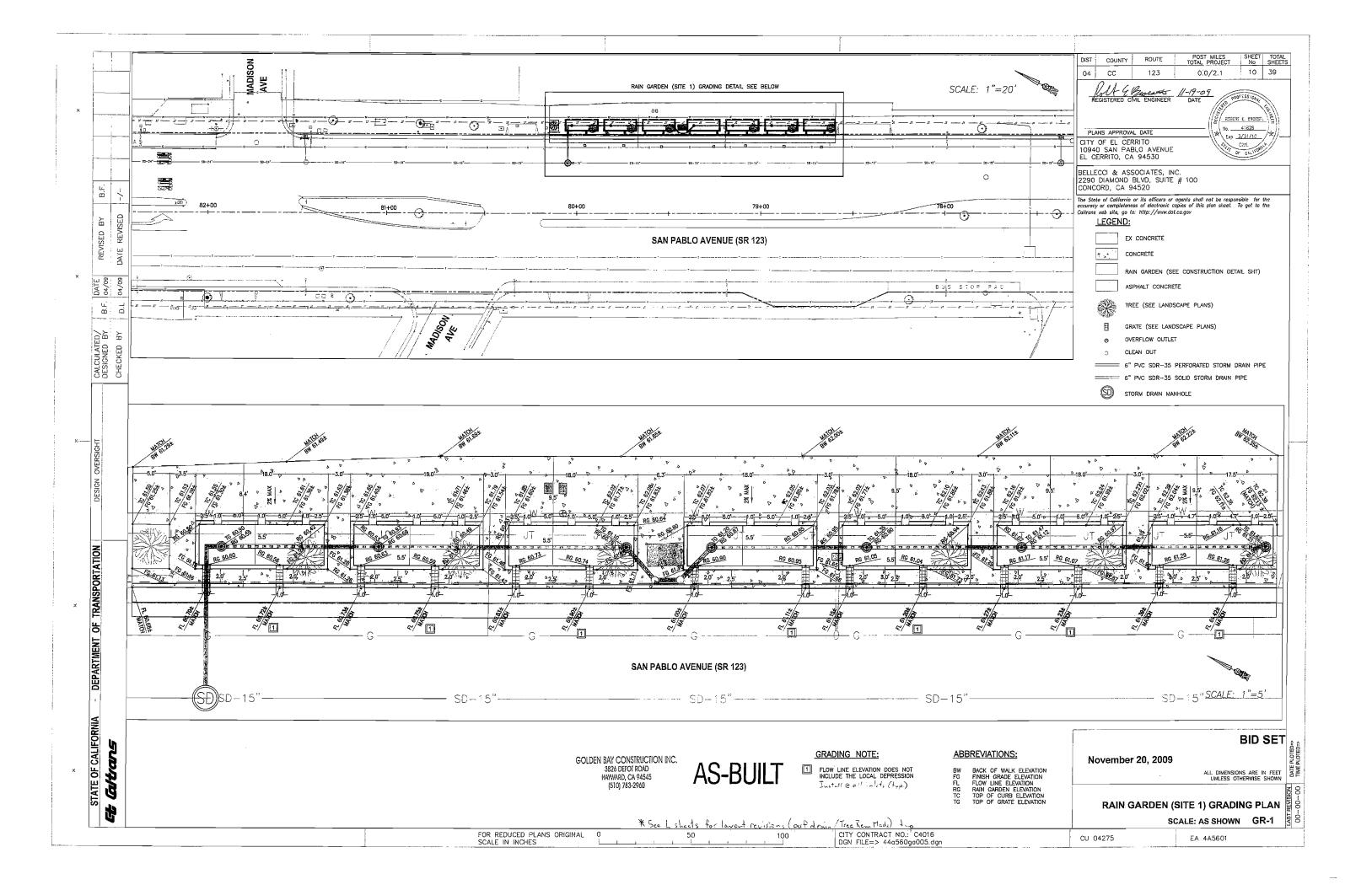


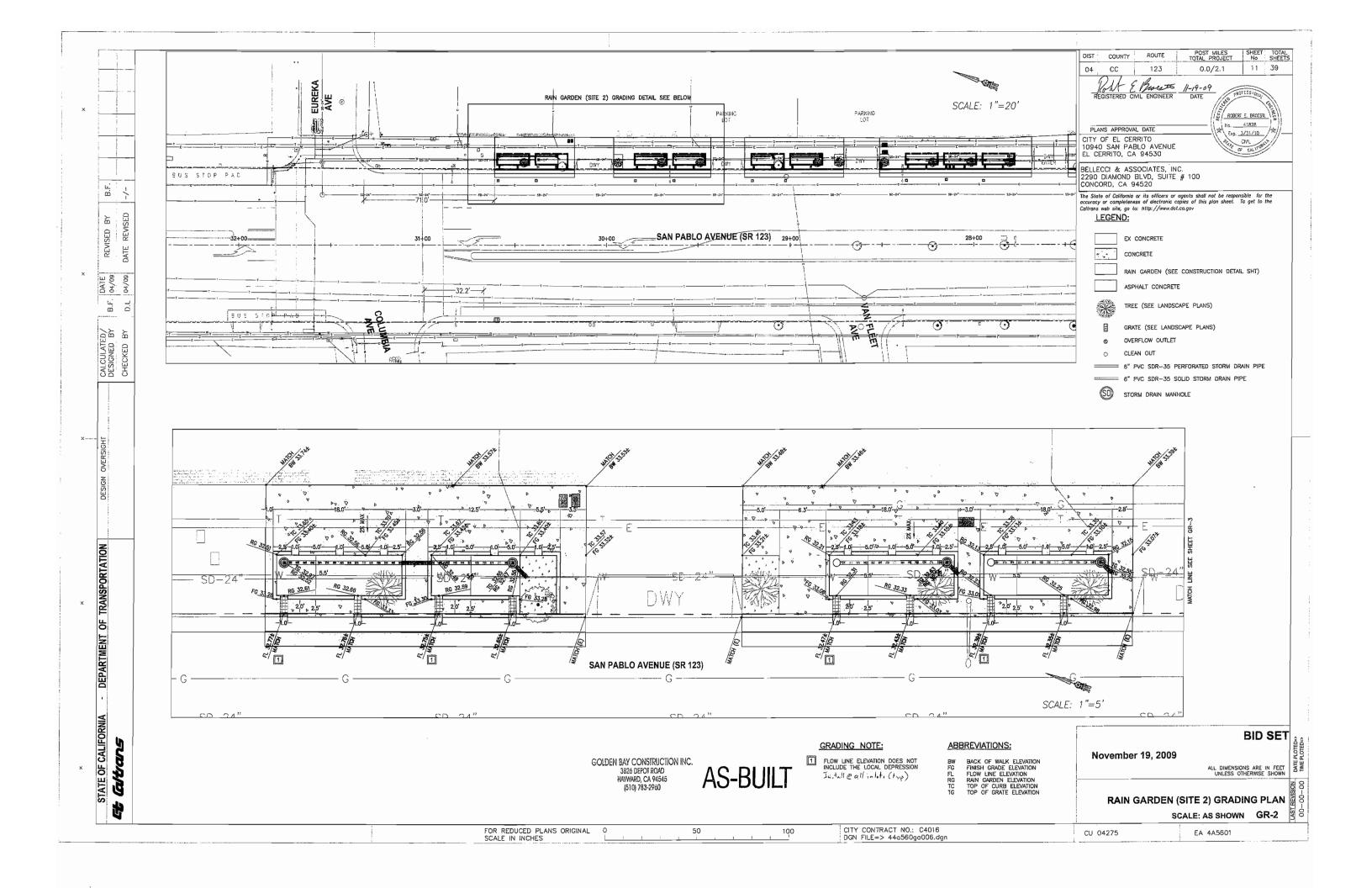


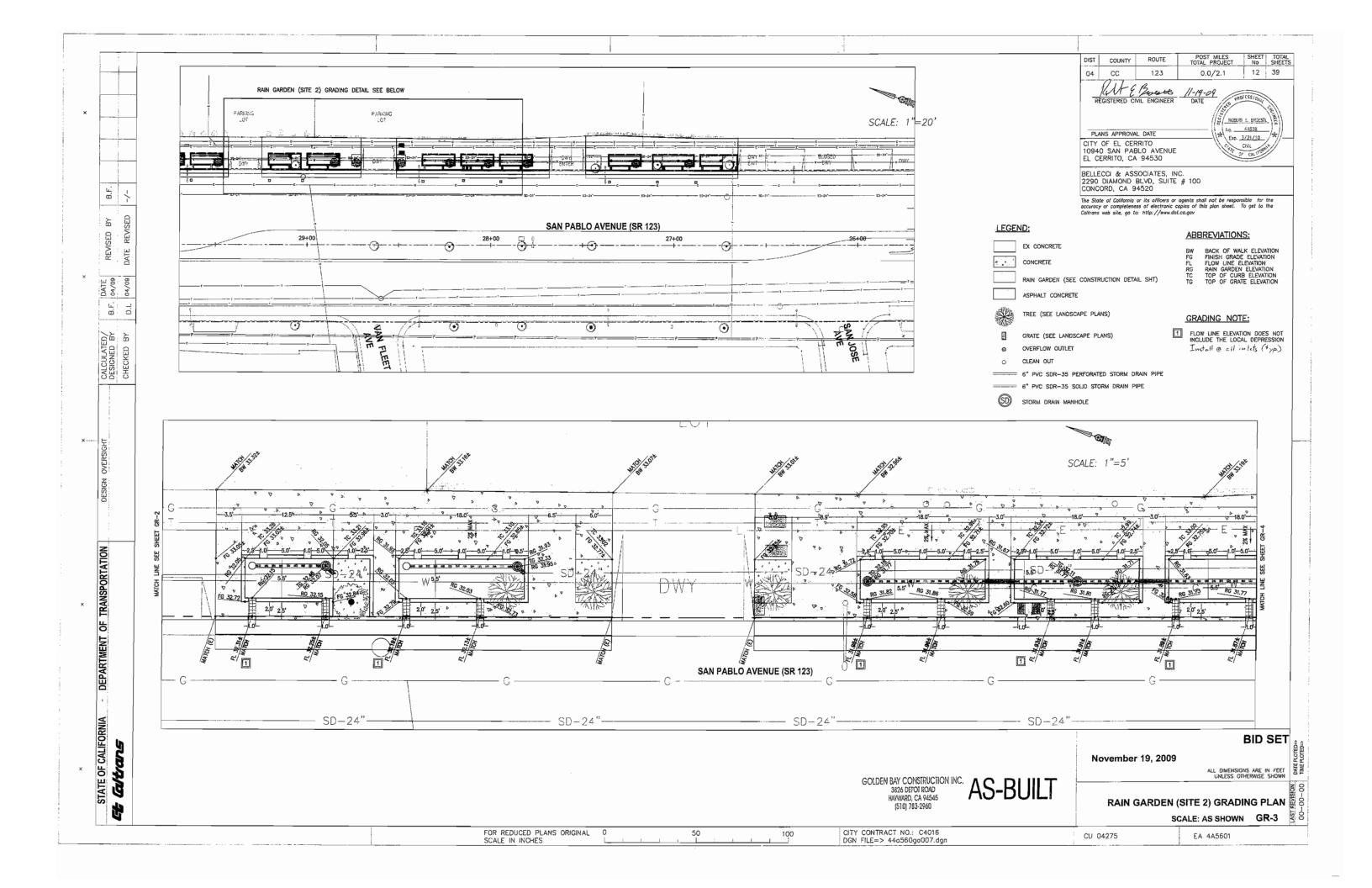


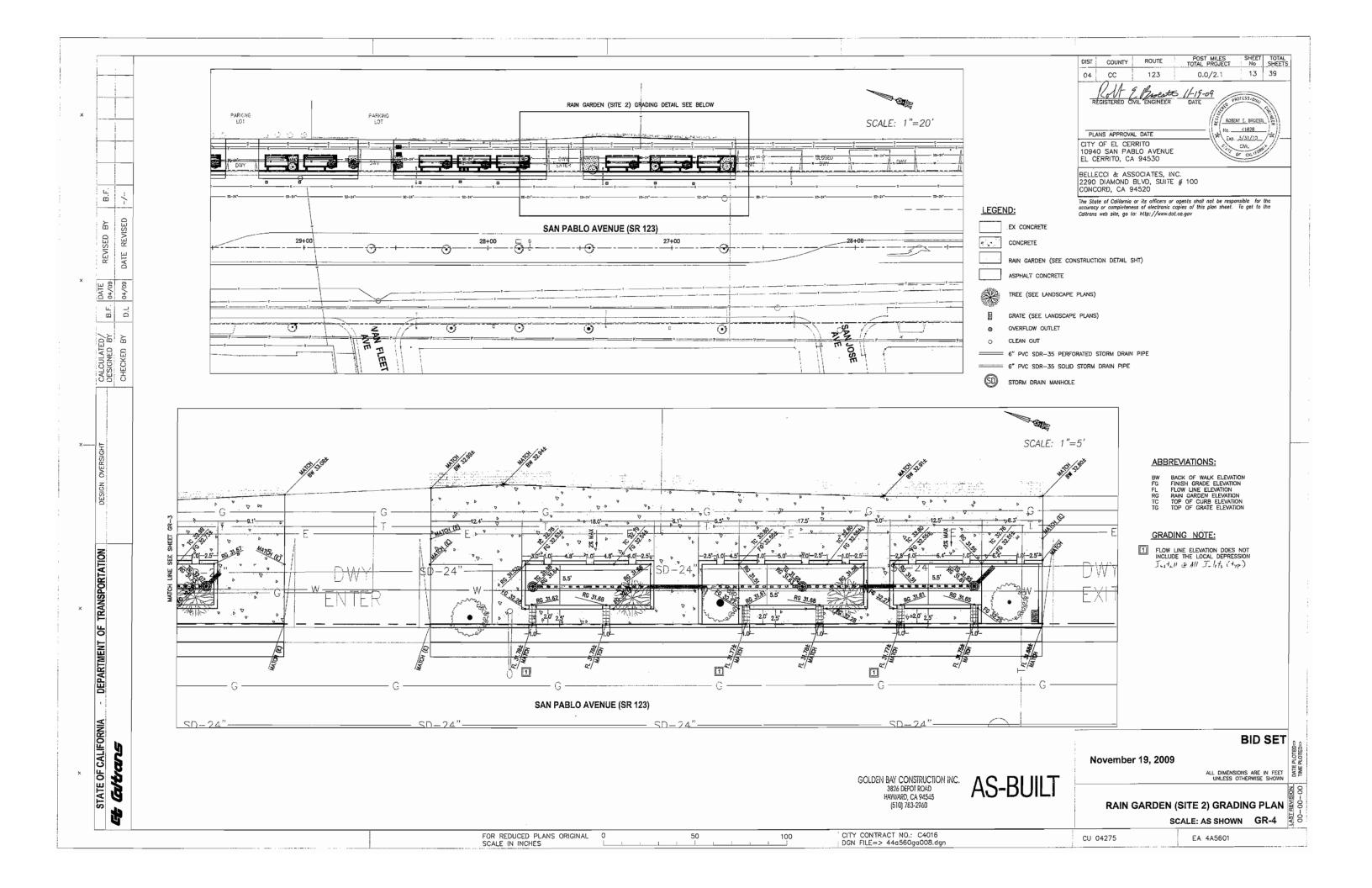


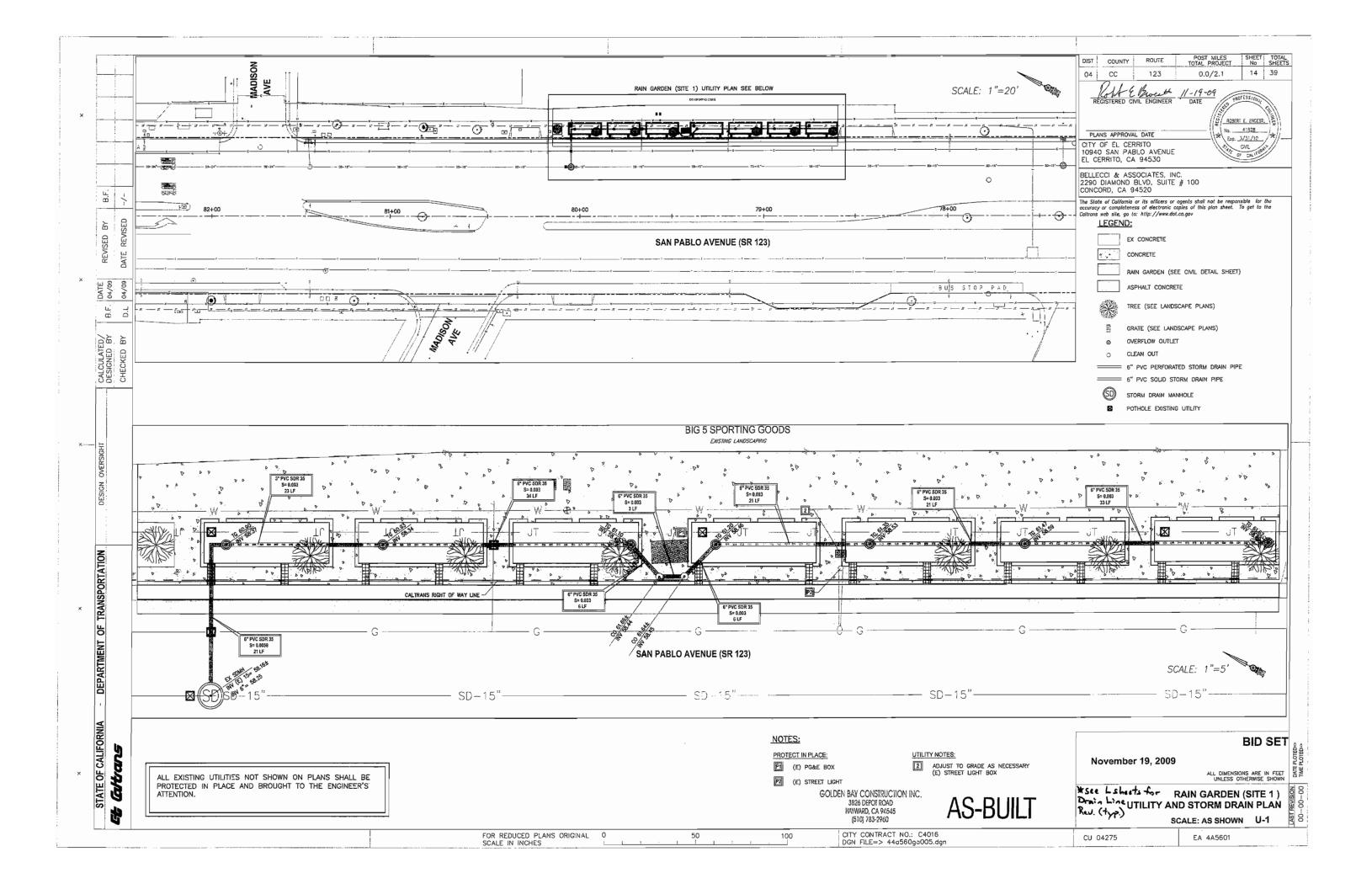


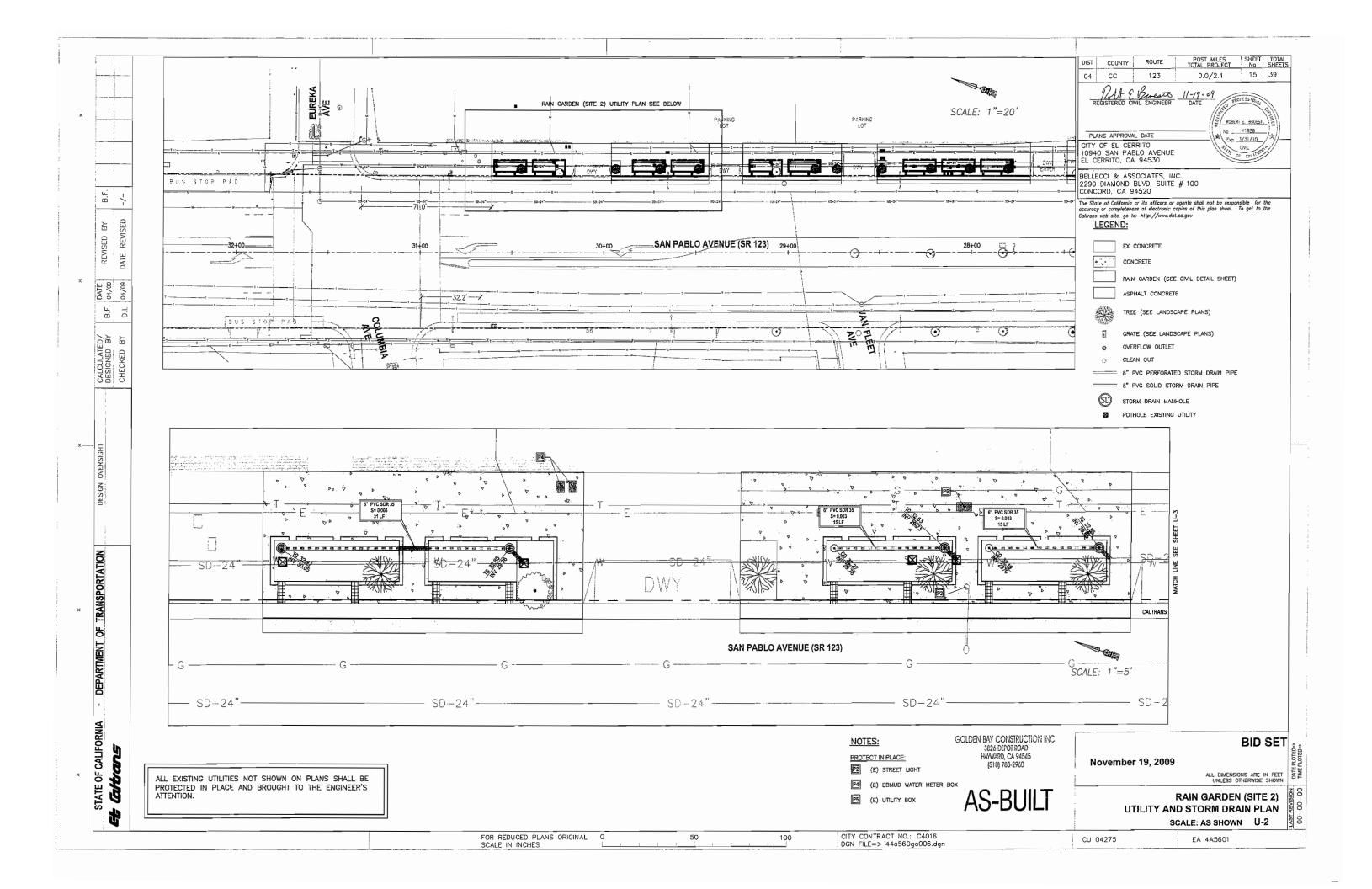


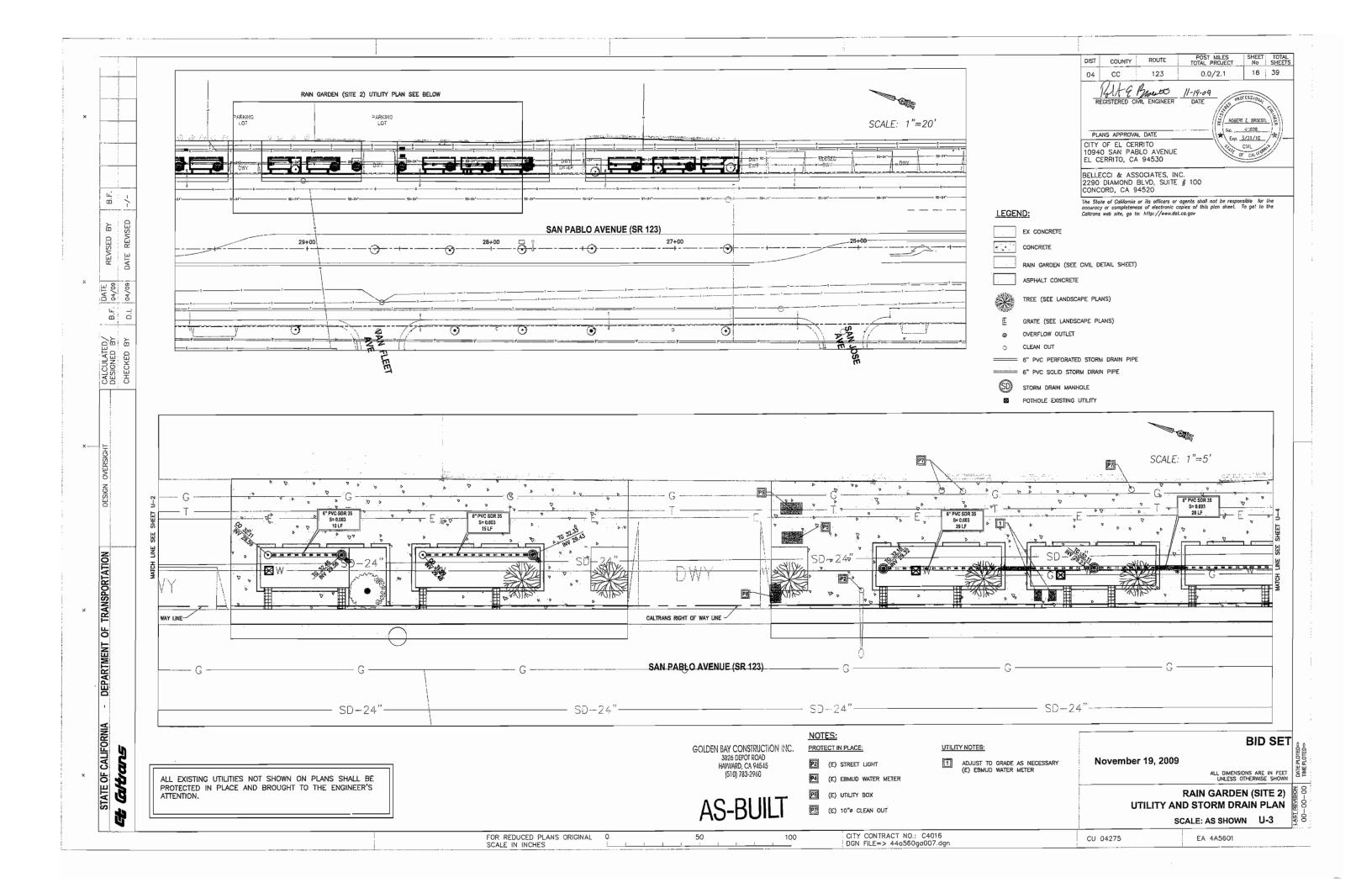


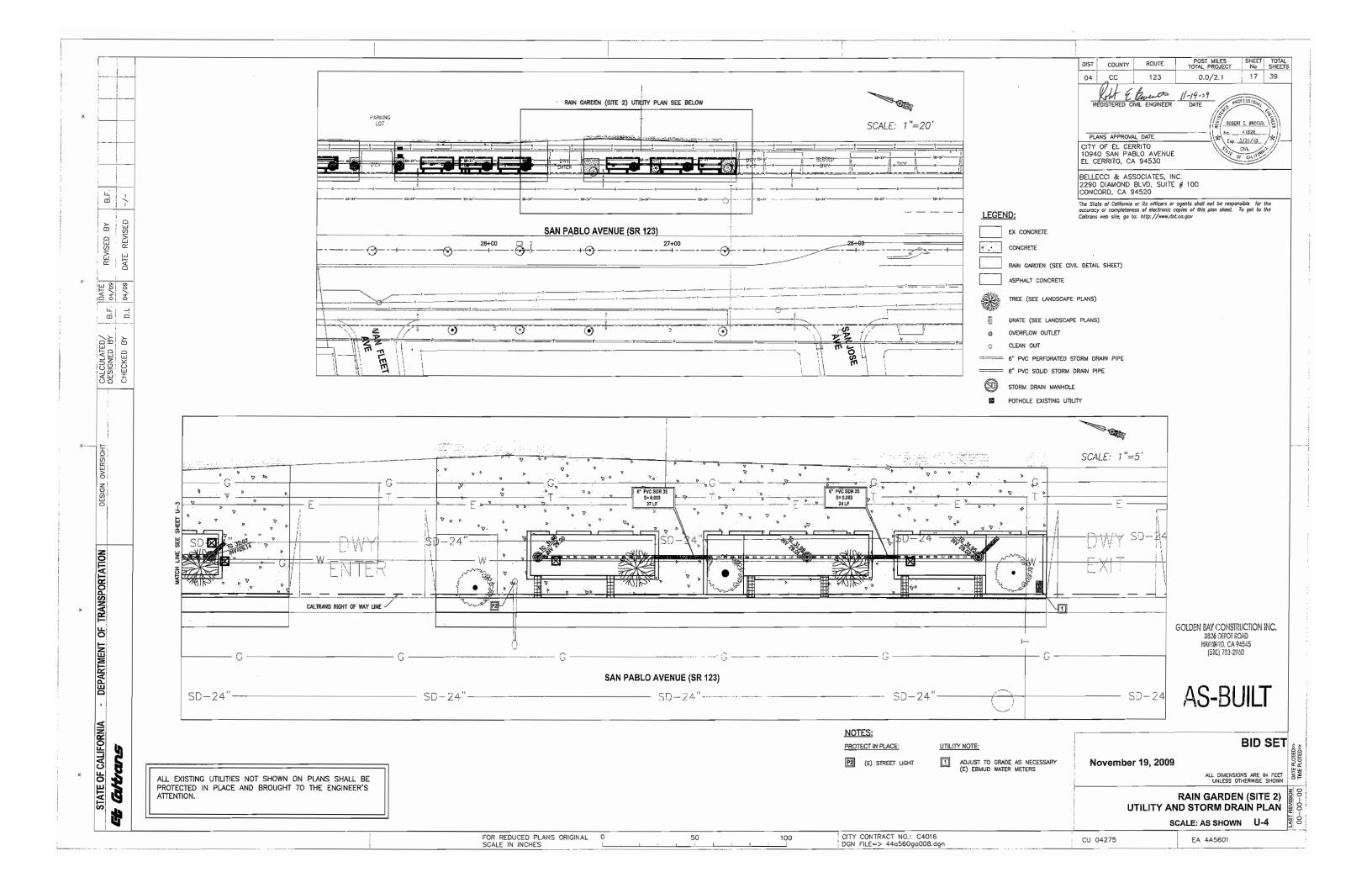


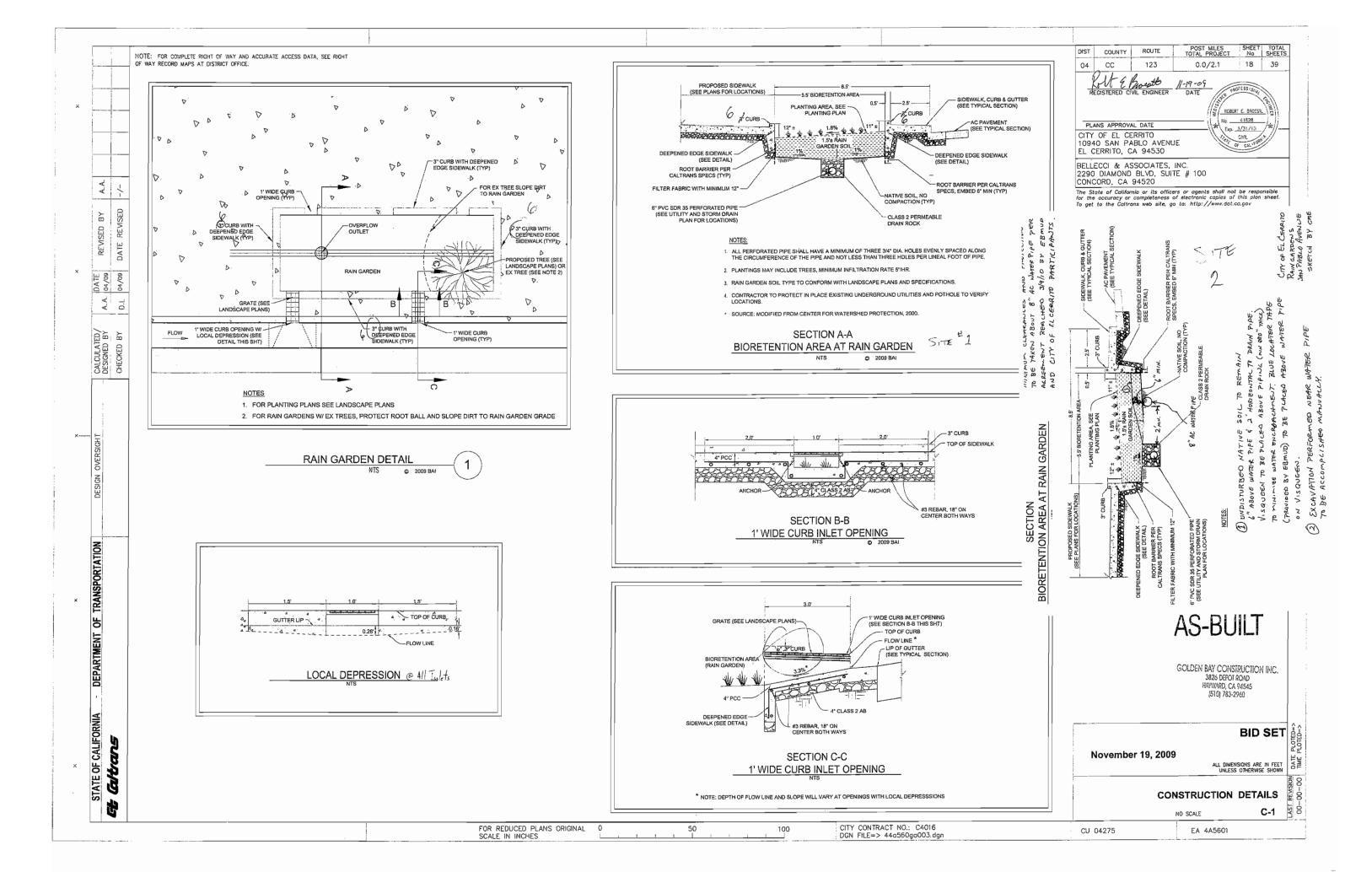


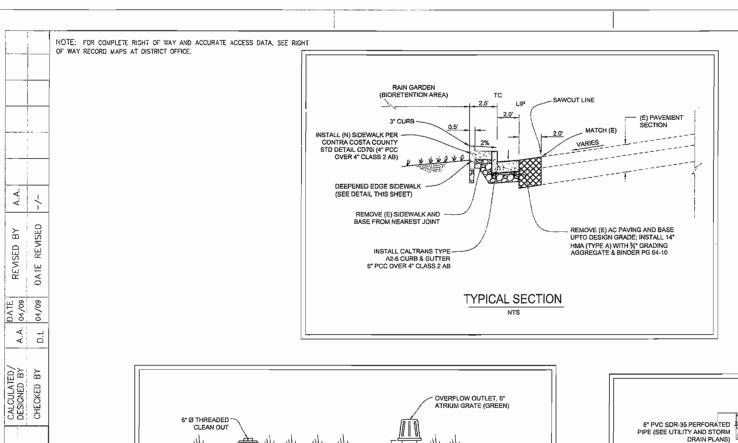


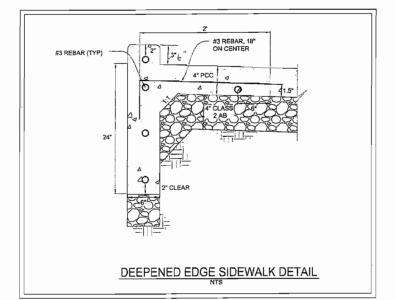








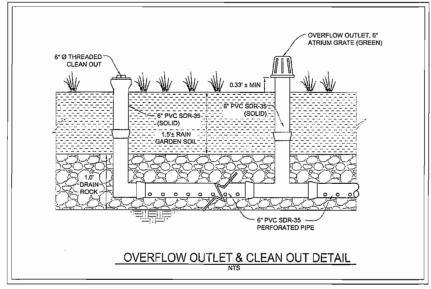


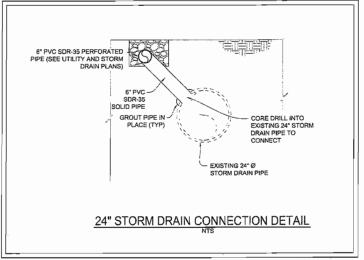


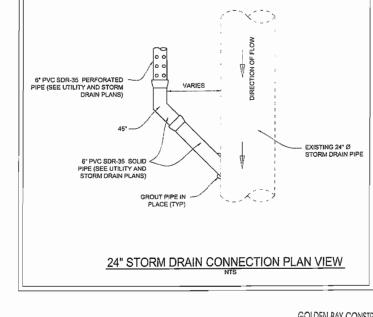
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(	)4	СС	123	0.0/2.1	19	39	
	REGISTERED CIVIL ENGINEER DATE  REGISTERED CIVIL ENGINEER DATE  ROBERT E. BROSST.  ROBERT						
_	PLA	ANS APPROVA	AL DATE		3/31/10	/\$// <b></b>	
1	094	OF EL CE O SAN PA ERRITO, C	ABLO AVENU	1/2/	CIMIL CORN		
		-001 0 40	COOLATEC	INC			

BELLECCI & ASSOCIATES, INC. 2290 DIAMOND BLVD, SUITE # 100 CONCORD, CA 94520

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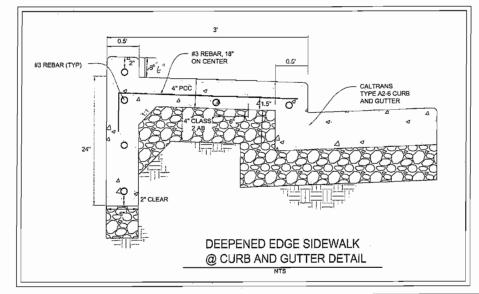






GOLDEN BAY CONSTRUCTION INC. 3826 DEPOT ROAD HAYWARD, CA 94545 [510] 783-2960

## **AS-BUILT**



BID SET

November 19, 2009

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

C-2

CONSTRUCTION DETAILS

NO SCALE

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

CITY CONTRACT NO.: C4016

CU 04275

50

STATE OF CALIFORNIA **Gitrans** 

DESIGN

DEPARTMENT OF TRANSPORTATION

EA 4A5601

	[ <del></del>				
		LAYOUT LEGEND	GENERAL NOTES	GRADING NOTES	DIST COUNTY  4 CC
x		(E) PAVING TO REMAIN  PEDESTRAIN CONCRETE PAVING FINISH: BROOM  COLOR: STANDARD GREY SCORE TO MATCH EXISTING WHERE APPLIA	IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS I-NOSECT,	THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.  2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF/HERSELF	REGISTERED LANDSO
	D BY REVISED	ADA IRON GRATE MFR. IRON AGE DESIGNS MODEL: INTERLAKENTO WITH FRAME COLOR: NATURAL FINISH: RAW AVAILABLE: FARK PACIFIC, GORDON JUR PH. 888-460-1215 OR APPROVED EGULAL INSTACL PER MFG SPECS AND DETAILS EXISTING UTILITY BOXES TO REMAIN	2. EXCAVATIONS SHALL BE ADEQUATELY SHOPED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FILLTY PROTECTED FROM DAMAGE, ANY DAMAGE RESPONSIBILITY OF THE FORENCE BRACING AND SHEETING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL EFFECT NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE TIET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIPE, OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION OF THE DIVISION OF NOUSTRIAL SAFETY OF THE STATE OF CALIFORNIA, THE CONTRACTOR SHALL AND COMPLY WITH OSHA REQUIREDENTS.	DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. SUICH CONDITIONS SHALL BE INTEDIATELY BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.  5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH OPERATIONS.  6. SEE CIVIL ENGINEER'S DRAWING FOR ROAD SURFACE ELEVATIONS, ROADWAY	10940 SAN PAREL CERRITO, CONTROL CONTR
x	DATE REVISEI DATE		3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES.  4. THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS FAILURE TO DO SO.  5. THE CONTRACTOR SHALL PROVIDE FOR MICROSCO AND EXCESS FOR PRIVATE.	SELECTIONS, CATCH BASINS, TOP OF CURB ELEVATIONS, ETC.  1. MINIMUM SLOPE ON PAVING SHALL BE 1%.  8. ALL PROPOSED GRADES ARE TO MEET AND BLEND WITH EXISTING PAVEMENT.  9. CONTRACTOR SHALL BE RESPONSIBLE FOR "ROUNDING OFF" ALL SHARP RIDGES EXISTING ON SITE WHETHER OR NOT SUCH CONDITIONS ARE INDICATED ON PLANS.	copies of the piece of
	D/A JS BY GD/CG	P INTERPRETIVE SIGN: TO BE PROVIDED BY OWNER  SCORELINE	<ol> <li>THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.</li> <li>THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.</li> <li>THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR</li> </ol>	10. THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED BY HIS/HER OPERATIONS.  DEMOLITION NOTES	
	CALCULATED/ DESIGNED E	TBD TO BE DETERMINED  SP SPACING  POINT OF BEGINNING	POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.  8. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION.	I. EXISTING CONDITIONS INFORMATION SHOWN IS BASED ON TOPOGRAPHIC SURVEY AND RECORD INFORMATION PROVIDED BY OTHERS. ACTUAL CONDITIONS MAY VARY SUBSTANTIALLY PROM THAT SHOWN ON THESE PLANS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY CITY OF EL CERRITO'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND EXISTING CONDITIONS SHOUN ON THESE PLANS	
		F.O.B. FACE OF BUILDING  TYP. TYPICAL  EQ. EQUAL	SHOWN THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST THREE (3) WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL INDERGROUND SERVICE ALERT (U.S.A.), AT 800-221-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES.	E 2. THE LIMITS OF DEMOLITION ARE APPROXIMATELY AS SHOUN ON THIS T DEMOLITION PLAN. THE EXACT LIMIT SHALL BE DETERMINED IN THE FIELD BY PROJECT MANAGER TO ACCOMODATE THE LIMITS OF THE NEW IMPROVEMENTS TO BE CONSTRUCTED, DEMOLITION SHALL ONLY OCCUR TO ITEMS SHOUN IN PLAN.	00 /
х	3N OVERSIGHT	CONT. CONTINUOUS S.C.D. SEE CIVIL DRAWINGS S.E.D. SEE ELECTRICAL DRAWINGS SIM SIMILAR	9. ALL EXISTING UTILITIES AND INFROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE CITY ENGINEER OR UTILITY AGENCY REPRESENTATIVE, AT THE CONTRACTOR'S SOLE EXPENSE.  10. ANY RELOCATION OF FUBLIC HISTISS SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY	3. EXISTING TREES TO REMAIN SHALL BE PROTESTED PER SPECIFICATIONS AND RELAN. 4. EXISTING TREES TO BE REMOVED SHALL HAVE ALL ROOTS GROUND AND REMOVED TO A DEPTH OF 30" BELOW EXISTING GRADE.  5. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK.	ove all existing T SHOWN ON PL,
	DESIGN	CENTER LINE  EQ EQUAL	REPRESENTATIVE INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC.  II. THE CONTRACTOR SHALL MEET AND FOLLOW ALL NPDES REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.	6. ANY DAMAGE TO THE SURROUNDING CONCRETE SIDEWALK OR A.C. PAVED ROAD DUE TO CONSTRUCTION SHALL BE REPAIRED TO PRE- EXISTING CONDITIONS TO THE SITUY OF EL CERRITO AT NO ADDITIONAL COST TO THE CITY OF EL CERRITO. 1. ANY DAMAGE TO EXISTING GRASS OR VEGETATION OUTSIDE THE	
		ES EQUAL SPACING  PA  NEW PLANTING AREA  CITY RIGHT OF WAY LINE	LAYOUT NOTES  1, CONTRACTOR SHALL VERIFY ALL GRADES, EXISTING CONDITIONS AND	CONSTRUCTION LIMITS SHALL BE REPLACED TO MATCH FRE EXISTING CONDITIONS AND TO THE SATISFACTION OF THE CITY OF EL CERRITO.  8. EXISTING IRRIGATION TO EXISTING TREES 4 SHRUBS TO REMAIN AND SHALL BE PROTECTED IN PLACE.	
	TRANSPORTATION		DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK ALL DISCREPANCIES OR GUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MAINAGER FOR RESOLUTION.  2. ALL WRITTEN DIMENSIONS SUPERSEDE ALL SCALED DISTANCES AND DIMENSIONS, DIMENSIONS SHOWL ARE FROM THE FACE OF THE BUILDING, WALL, BACK OF CURB, EDGE OF WALK, PROPERTY LINE, OR CENTERLINE OF COLUMN	9. PROTECT EXISTING UTILITY STRUCTURES, PLANTERS, LANDSCAPING, BUILDINGS AND FENCES DURING DEMOLITION OF EXISTING STRUCTURES AND REMOVAL OF PAVEMENT AND SIDEUALKS.  IO. CONTRACTOR SHALL NOTIFY ENGINEER AND CITY OF EL CERRITO REPRESENTATIVE IMMEDIATELY IF CONFLICTS EXIST.	
x			3. ALL CURYES AND ALL TRANSITIONS BETWEEN CURYES AND STRAIGHT EDGES SHALL BE SMOOTH.  4. SEE IRRIGATION PLANS FOR GENERAL SYSTEM REQUIREMENTS AND FOR LOCATION OF IRRIGATION MAINLINE PIPING. SLEEVES TO ACCOMMODATE IRRIGATION PIPING, SIZED AS NEEDED, SHALL BE IN PLACE UNDER AND THROUGH SLABS AND WALLS, PRIOR TO PURING.	11. EXISTING SITE UTILITIES HAVE NOT BEEN FIELD VERIFIED. ALL EXISTING UTILITIES MAY NOT BE SHOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND EXISTENCE OF ALL UTILITIES PRIOR TO DEMOLITION. CONTRACTOR TO COORDINATE WITH CITY OF EL CERRITO REPRESENTATIVE PRIOR TO REMOVAL OF ANY UTILITY TO DETERMINE ITS CURRENT OR FUTURE USE.  12. REMOVE EXISITING SHRUBS AND LAWN AS SHOWN IN DEMO PLAN. PRESERVE	
	DEPARTMENT		<ol> <li>SCORE LINES IN SIDEWALKS SHALL BE SPACED TO EQUAL THE WIDTH OF THE WALKWAY, UNLESS OTHERWISE SHOWN OR ALIGN WITH EXISTING SCORE LINES. EXPANSION JOINTS IN SIDEWALKS SHALL BE 30' ON CENTER MAXIMUM.</li> <li>BUILDING LAYOUT AND LOCATION, SIDEWALK, CURB AND GUTTER, GRADING</li> </ol>	AND PROTECT EXISTING IRRIGATION UNLESS OTHERWISE NOTED.  13. CONTRACTOR TO COORDINATE ALL DEMOLITION WITH CIVIL DEMOLITION PLANS.  14. (E) BIKE RACKS (SURFACE MOUNT ONLY): ALL (E) SURFACE MOUNTED BIKE	
	1		AND DRAINAGE IS BASED ON DRAWINGS PRÉPARED BY THE CIVIL ENGINEER.	RACKS FROM BEGIN CONSTRUCTION LINE TO END CONSTRUCTION LINE ALONG SAN PABLIO AVENUE ARE TO BE SALVAGED AND RETURNED TO CITY. CONTACT QUINER'S REPRESENTATIVE FOR CITY DROP OFF LOCATION/STORAGE LOCATION. CONTRACTOR IS RESPONSIBLE FOR DELIVERY OF SALVAGED BIKE RACKS. WHERE DISCREPANCIES ARE NOTED, NOTIFY OWNERS REPRESENATIVE FOR RESOLUTION. P.ATCH.(E) ATTACHMENT POINTS TO CONCRETE SIDEUALK WITH LIKE COLORED GROUT, FLUSH TO SURFACE OF SIDEUALK. NUMBER OF BIKE RACKS TO BE REMOVED ARE 20.	
x	OF CALIFORNIA			IS, (E) NEWSRACKS; IN AREAS WHERE EXISTING NEWSRACKS ARE FOUND, CONTRACTOR TO COORDINATE WITH CITY, NOTIFY CITY TWO (2) WEEKS IN ADVANCE FOR RELOCATION OF NEWRACKS TO OUTSIDE THE LOVEL NUMBER OF RACKS TO BE MOVED ARE (2). ALL (2) NEWSRACKS FROM BEGIN CONSTRUCTION LINE TO BE RELOCATED BY CONTRACTOR WHERE DISCREPANCIES ARE NOTED, NOTIFY OWNERS	
	STATE			REPRESENTATIVE FOR RESOLUTION.  16. FOR CONCRETE REMOVAL FOR TREE WELLS, LIGHT POLES OR NEW CONCRETE PEDESTRIAN PAVING, REMOVE CONCRETE TO NEARSEST SCORE LINE.	NOTE
			FOR REDUCED PLANS ORIGINAL	CITY CONTRACT NO.: C4016	

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

trees AND REPLACE AS 2 ANS

CITY CONTRACT NO.: C4016
DWG FILE=> DW C-EC SPA PHASELDUG

SHEET TOTAL SHEETS
20 39 ROUTE 123 0.0/2.1

IDSCAPE ARCHITECT

CERRITO PABLO AVENUE CA 94530-2323

SSOCIATES CANYON ROAD CA 94583

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GOLDEN BAY CONSTRUCTION INC. 3826 DEPOT ROAD HAYWARD, CA 94545 [510] 783-2960

**AS-BUILT** 

**BID SET** 

November 19, 2009
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**ES AND LEGEND** 

HP1.1 🖁 🖁

CU 04275

EA 4A5601

			PLANT TREES						
×	_		<u>Symbol</u>			Common Name	<u> Ŝize</u>		
	_		BE	Acer Rubrum 'October Glo	orgʻ	Red Maple	24" BOX		
			SHRUB: <u>Symbol</u>	Botanical Name		Common Name	<u>Size</u>	Spacing.	
			AC CT FE	Achillea 'Island Pirk' Chondropetalum tectorum Festuca californica		Little Pirk Yarrow Dwarf Cape Rush California Fescue	I GAL 5 GAL I GAL	2'-0" o.c. 3'-6" o.c. 2'-0" o.c.	
			ID JP LC	Iris douglasiana Juncus patens Leymus condensatus 'Canyo	an Prince'	Douglas Iris California Grey Rush Canyon Prince Wild Rye	5 GÁL I GÁL 5 GÁL	3'-0" o.c. 2'-0" o.c. 3'-0" o.c.	
			MA <del>Gla</del>	Mimulus aurantiacus Salvaia leugantha		Sticky Morkey Flower  Mexican Bush Sage	5 GAL	4'-6" o.c.	
	₽	REVISED	ZC ZC	Verbena lilacina 'De la Mi Zauschneria californica 'B	ownan'	De la Mina Lilac Verbena Bowman California Fuchsia	5 GAL 1 GAL	3'-0" o.c. 2'-6" o.c.	
	REVISED	i I	PLANT	ING LEGEND	—— cs	Cornus stolonifera Rosa colifornica Ribes speciosum	OSTER DOGWOOD	5gal 5 0.c	
_	REVI	DATE		(E) TREE	R.C.	Rosa colifornica	Native Children Kost Fuebsia Flowery Con	spar 4 o.c	
x	DATE		٠		KS	King Sherra	7 - 1 - 1 - 1 - 1		
		93/d5		PROPOSED TREE					
	, AB								
	(ED/B	<u>a</u>	×× ××	TREE NAME SEE	E PLANT LIST R ADDT'L. INFO	<del>5.</del>			
	CALCULATED/ DESIGNED	CHECKED	××	ALIRIUS NAME SEE	PLANT LIST	<del>.</del>			
	CALC	뿡	( <del>xx</del> )	GROUNDCOVER SEE	PLANT LIST ADDT'L. INFO				
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#### PLANTING NOTES

- ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH PLANTING WORK AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
- PLANT COUNT IS FOR THE CONVENIENCE OF THE CONTRACTOR. IN CASE OF DISCREPANCIES, THE PLAN SHALL GOVERN.
- ALL TREES WITHIN 5' OF PAYING AREAS SHALL HAVE DEEP ROOT BARRIERS INSTALLED. SEE ROOT BARRIER DETAIL. DEEP ROOT BARRIER MODEL NO. UB.24.2. (14): 344-1464. OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 4. ALL PLANTING AREAS SHALL BE TOP-DRESSED WITH A 3" LAYER OF RECYCLED MILCH EXCEPT WHERE NOTED ELSEWHERE. ALL NEW TREES NORTH OF STOCKTON AVENUE TO BE PLANTED IN DOF PAVING, SEE DETAIL AND SPECS FOR MORE INFORTATION. SUPMIT SAMPLE OF RECYCLED MULCH TO CUNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING.
- 5. PROVIDE 4" BERM AROUND TREE FOR WATER BASIN. SEE TREE STAKING DETAIL. BERM TO BE REMOVED IN LAWN AREA AFTER INITIAL WATERING. MILICH TREEWELL WITH 2" LAYER OF SHREDDED REDWOOD BARK EXCEPT NORTH OF STOCKTON AVENUE SEE SPECIFICATIONS. KEEP MULCH AWAY FROM TREE TRUNK.
- 6. IF DISCREPENCIES OR CONFLICTS ARE NOTICED IN FIELD BETWEEN THESE PLANS AND EXISTING CONDITIONS THE CONTRACTOR SHALL NOTIFY THE CUMER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- EACH PLANT SHALL RECEIVE AGRIFORM SLOW RELEASE PLANT TABLETS, 20-10-5 COMPOSITION. APPLY PER MANUFACTURER'S SPECIFICATIONS. PLACE NEAR ROOTBALL;
- 6 FOR 24" BOX TREES 2 BELOW AND 4 ON SIDES OF ROOTBALL. 5 FOR 15 GALLON CAN TREES 1 BELOW AND 4 ON SIDES OF ROOTBALL. 4 FOR 5 GALLON CAN TREES 1 BELOW AND 3 ON SIDES OF ROOTBALL.
- TREES MUST HAVE AN UNCUT LEADER THAT HAS A UNIFORM TAPER FROM BASE TO TIP. TREES MUST MEET AT LEAST NORMAL CALIPER AND HEIGHT FOR CONTAINERSIZE. OVERGROUN OR ROOT BOUND TREES ARE NOT ACCEPTABLE.
- GROUNDCOVER SHALL BE PLANTED AS SHOWN ON THE PLAN, INCLUDING UNDER SHRUBS AND IN TREE WATERING BASINS.
- IO. HOLD SOIL 3" BELOW TOP OF CURB TO ACCOMODATE PLACEMENT OF MULCH.
- II. KEEP ALL SHRUB PLANTINGS A MINIMUM OF 2' AWAY IN ALL DIRECTIONS FROM EXISTING OR PROPOSED TREE TRUNKS.
- ALL SIGNAGE AND UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED AS "TO BE REMOVED" ON THESE AND CIVIL ENGINEERS PLANS.
- 13. ANY EXISTING UTILITIES, TREES, OR HARDSCAPE TO REMAIN THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR PER CITY APPROVAL.
- 14. FOR TREE PROTECTION MEASURES, SEE SPECIFICATIONS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	SHEETS	
4	сс	123	0.0/2.1	21	39	

REGISTERED LANDSCAPE ARCHITECT

CITY OF EL CERRITO 10940 SAN PABLO AVENUE EL CERRITO, CA 94530-2323

GATES + ASSOCIATES 2671 CROW CANYON ROAD SAN RAMON, CA 94583

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GOLDEN BAY CONSTRUCTION INC. 3826 DEPOT ROAD (510) 783-2960

**AS-BUILT** 

November 19, 2009 ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

**PLANTING NOTES AND LEGEND** 

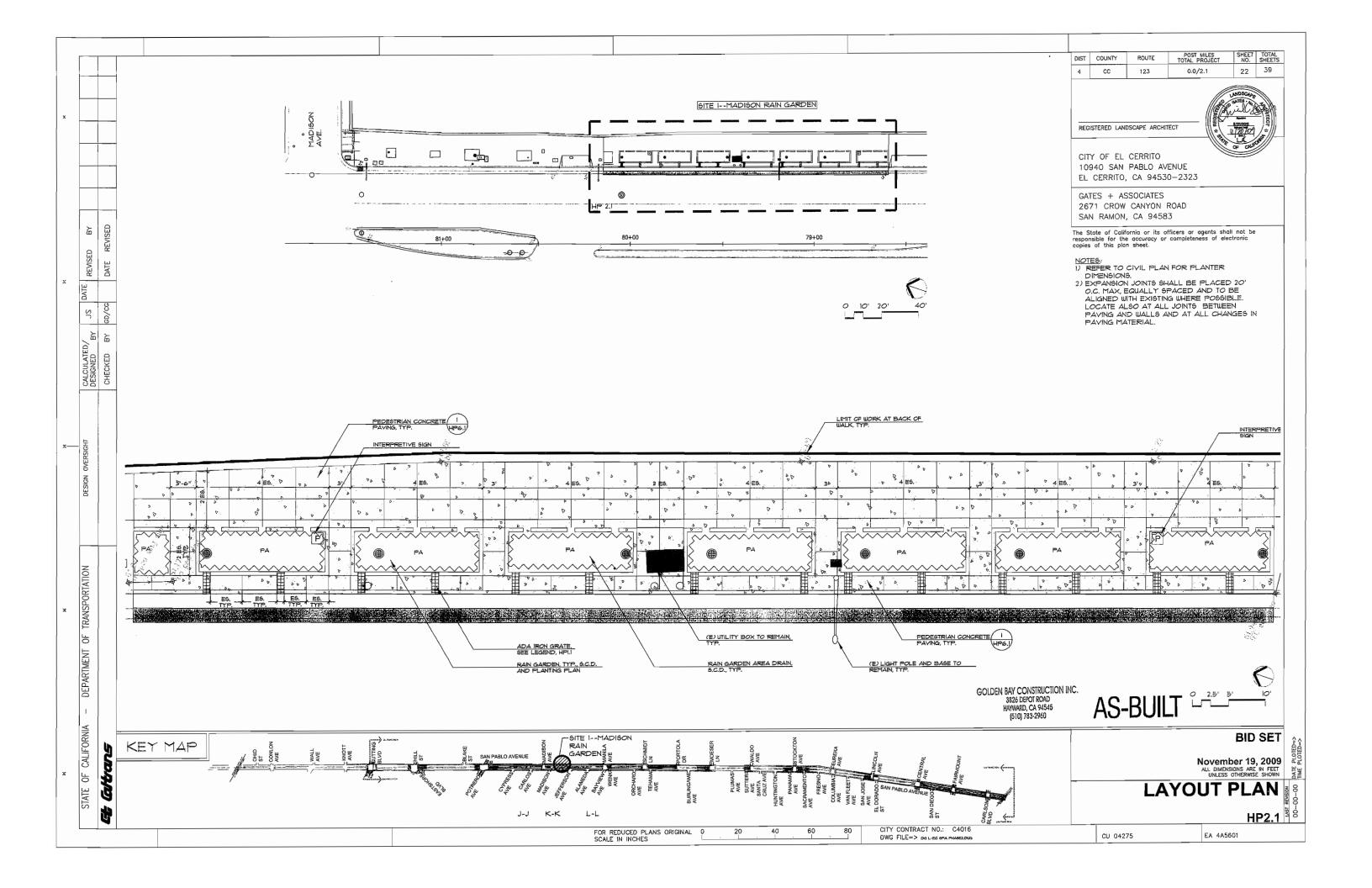
FOR REDUCED PLANS ORIGINAL

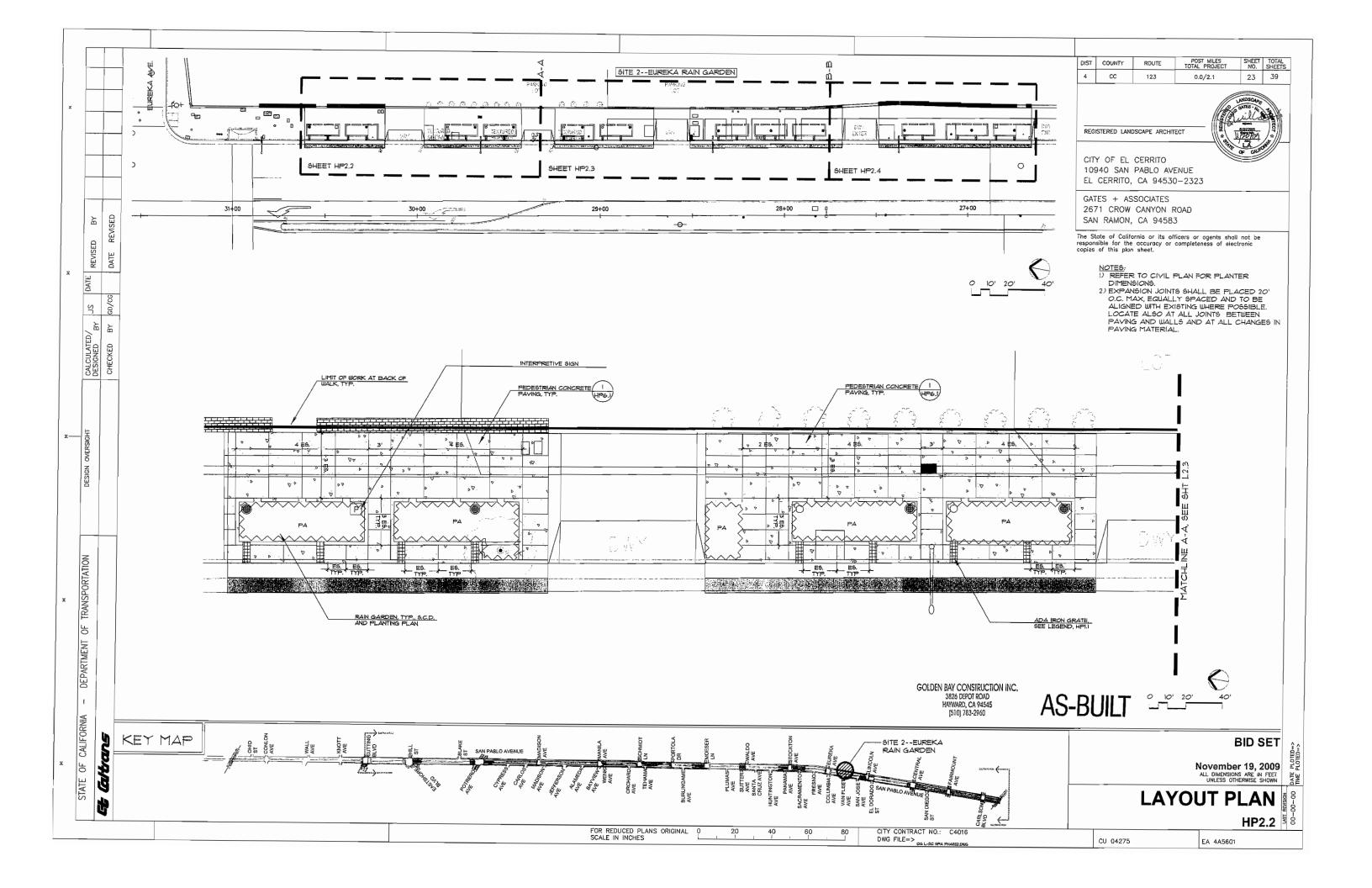
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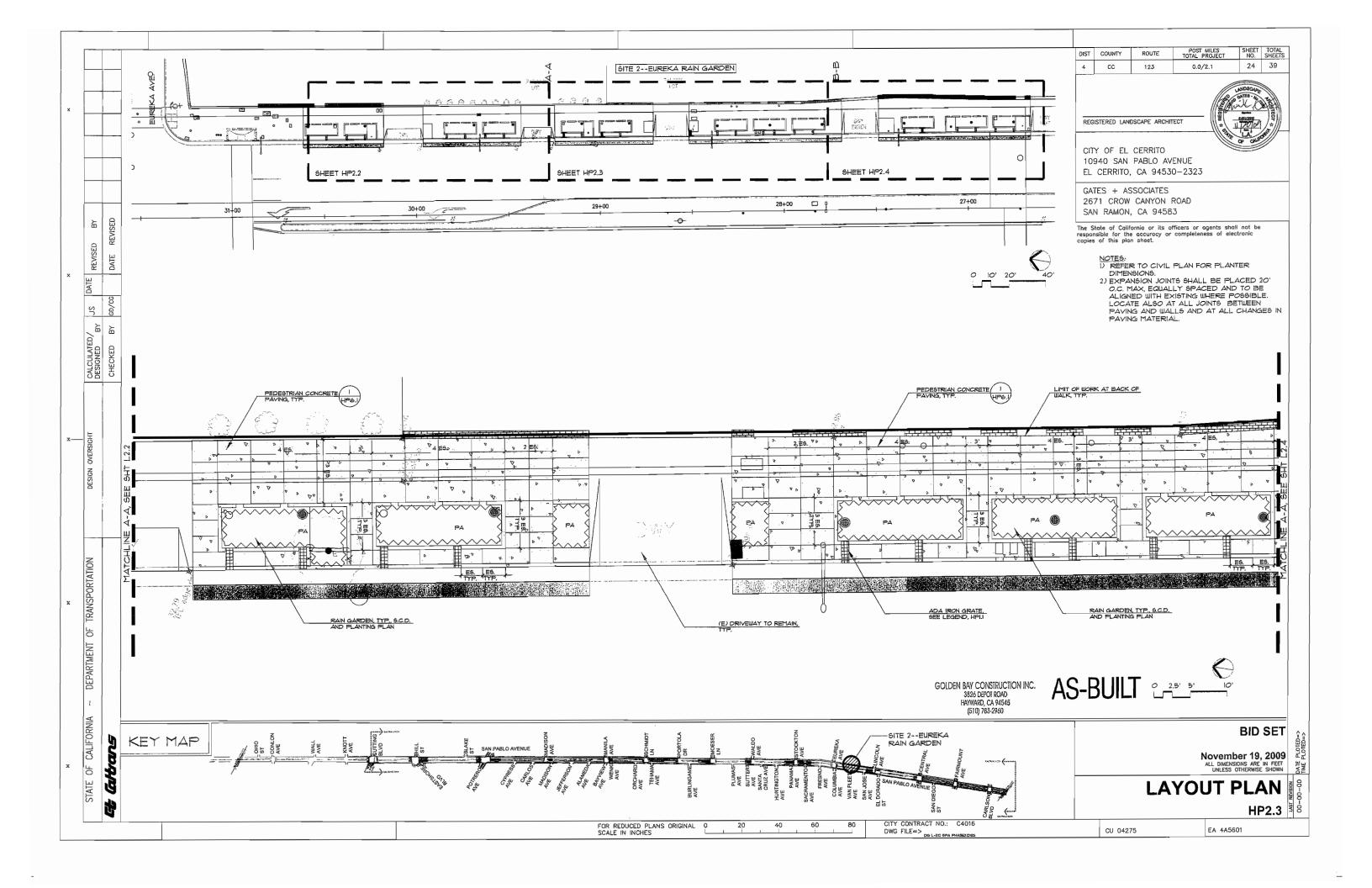
CU 04275

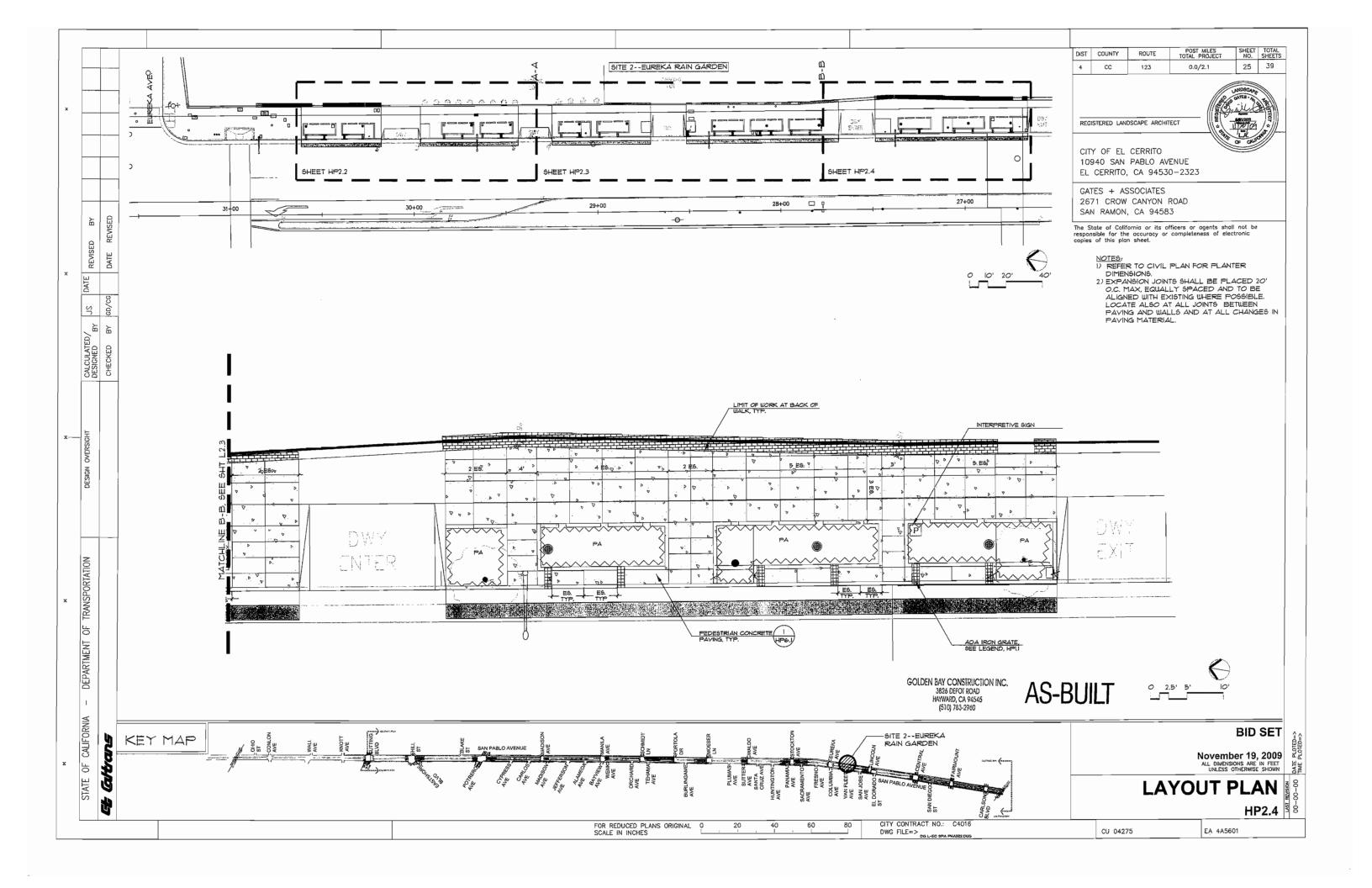
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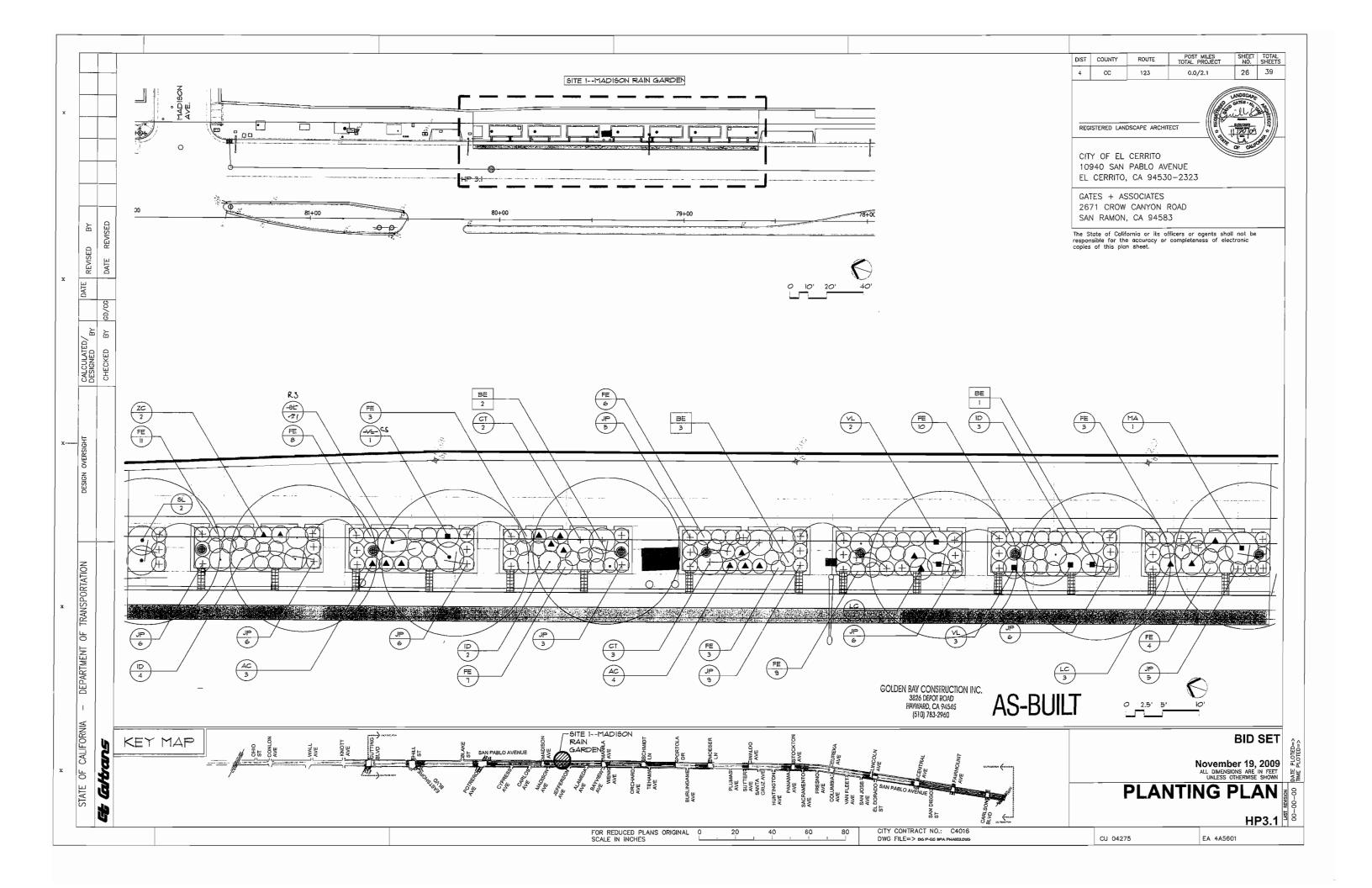
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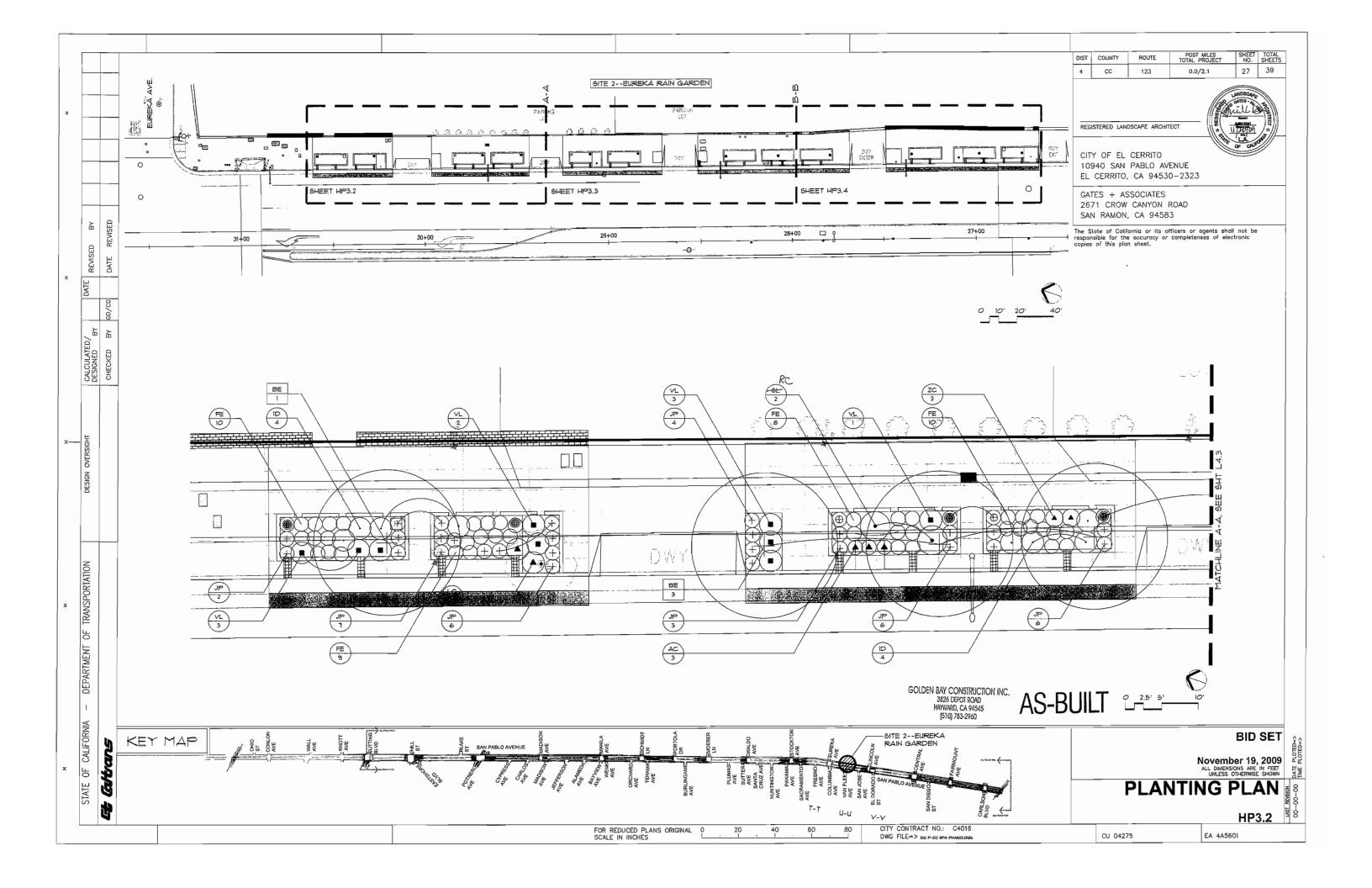


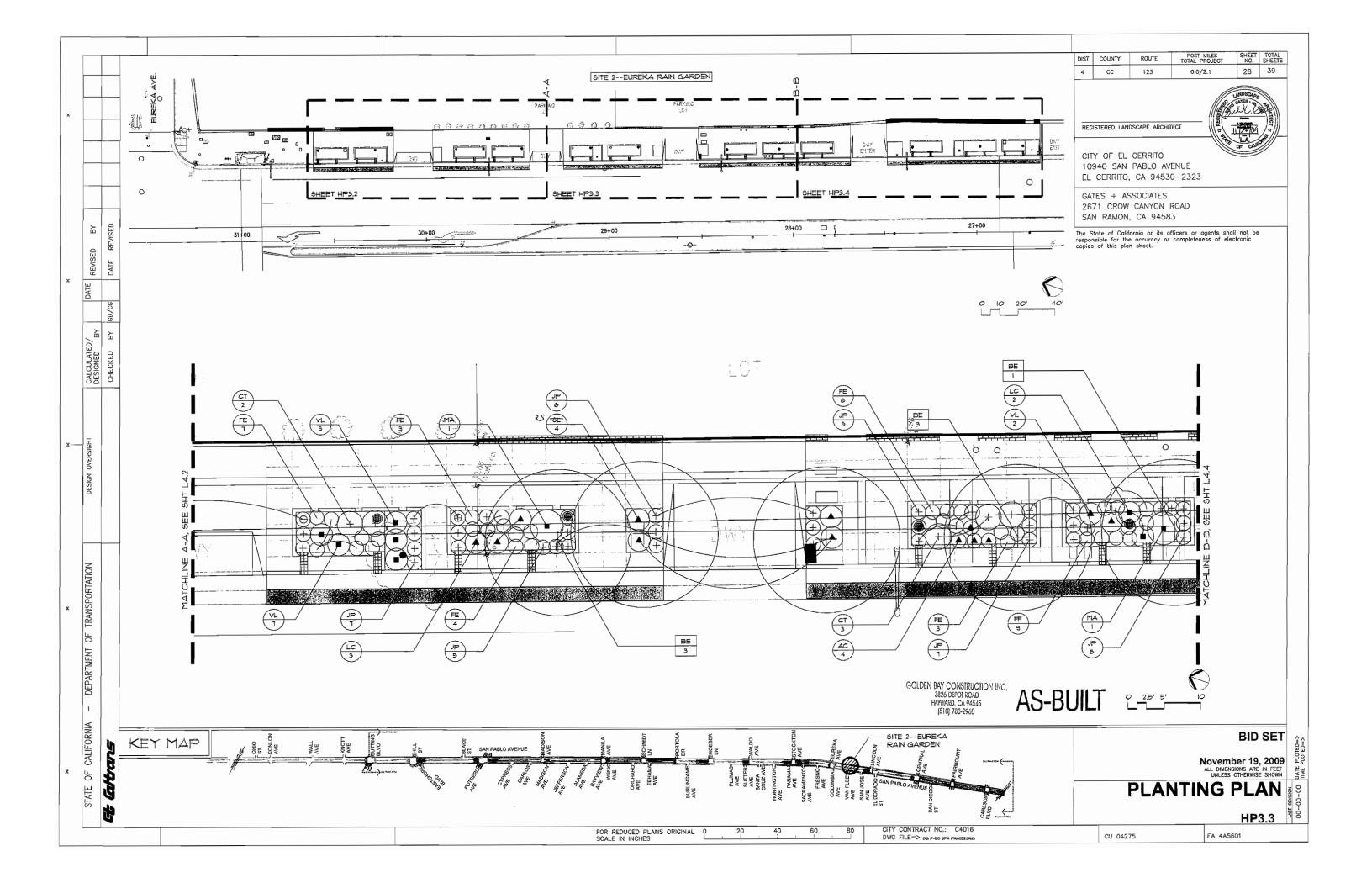


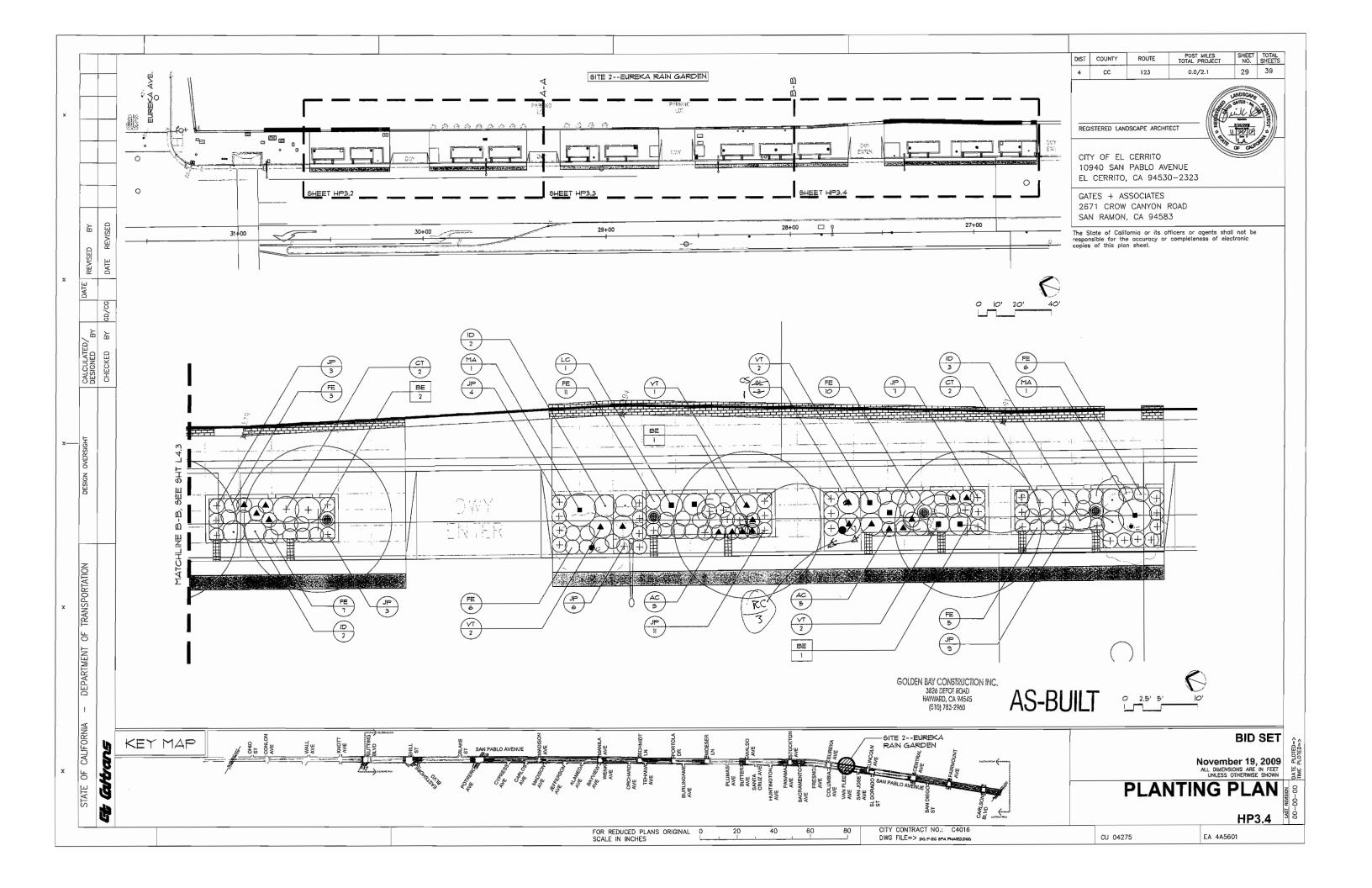


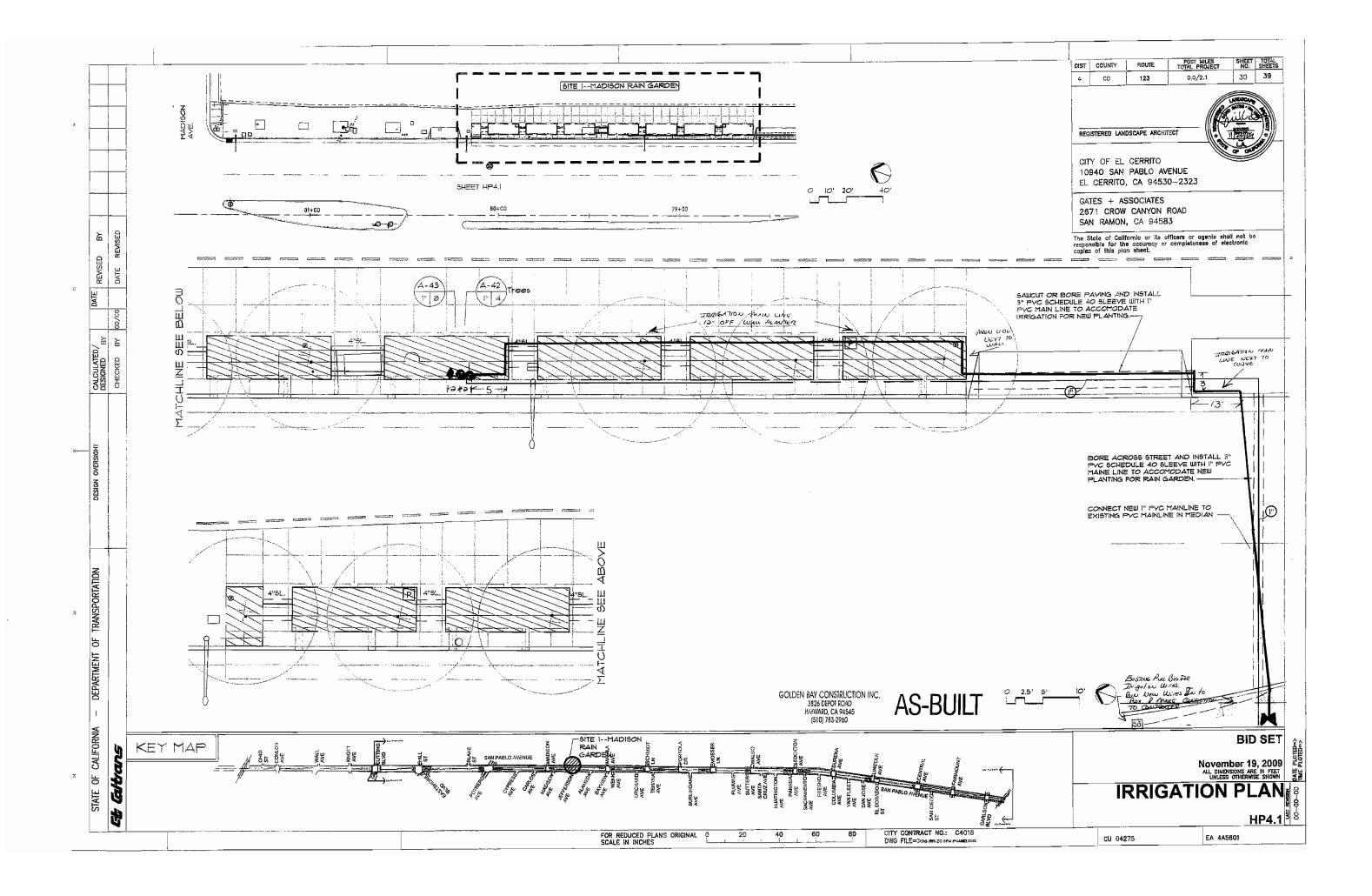


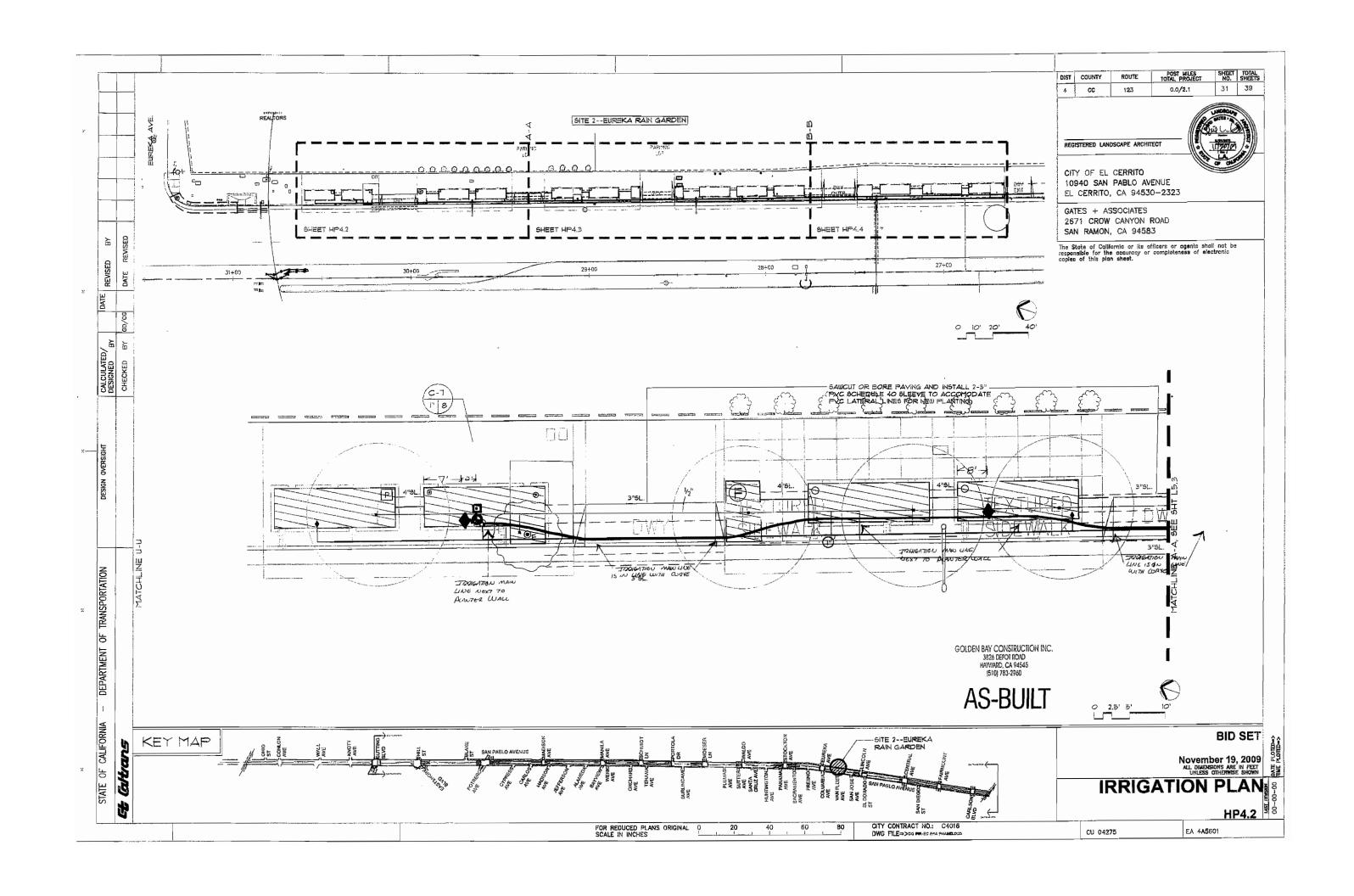


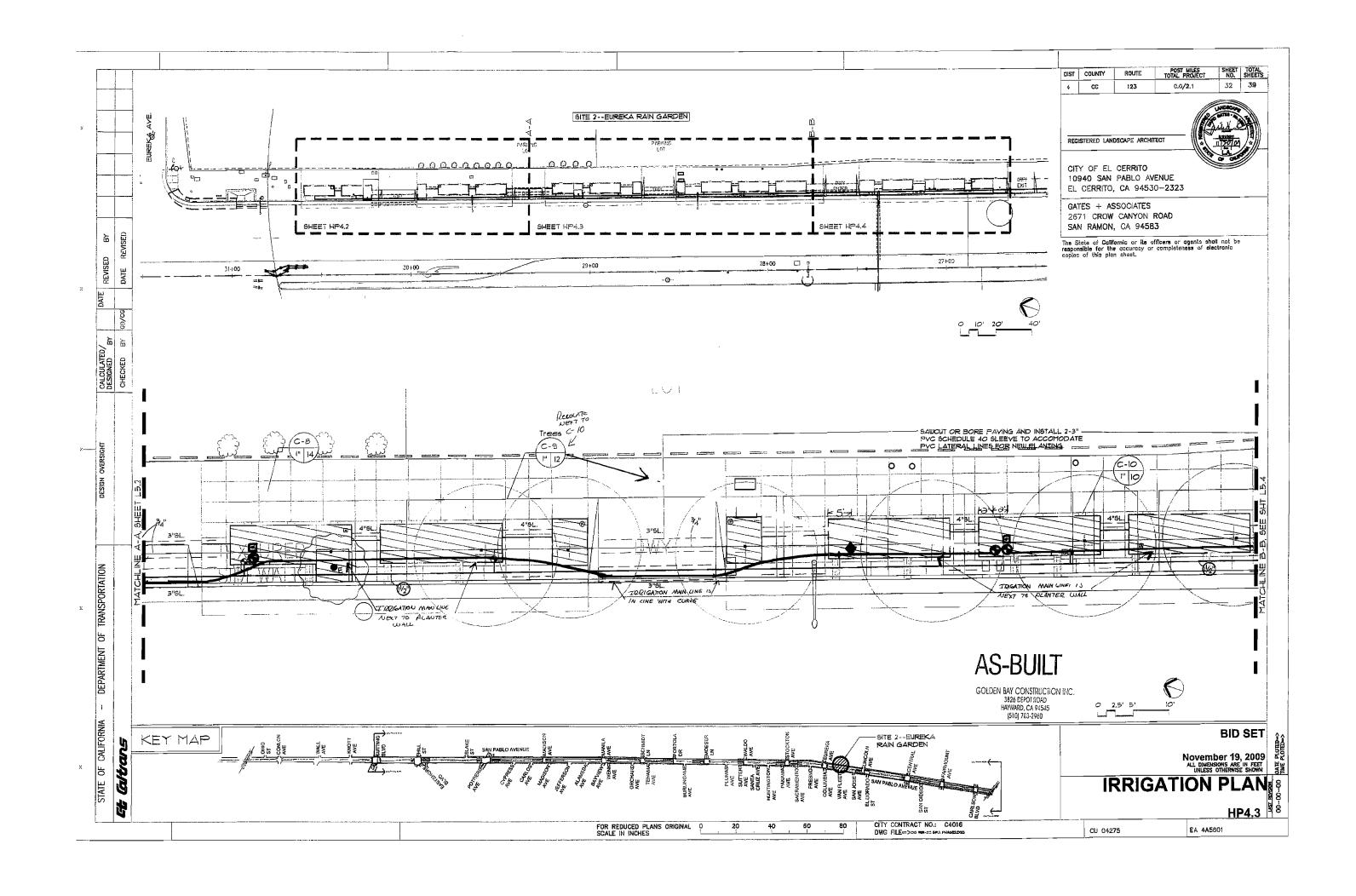


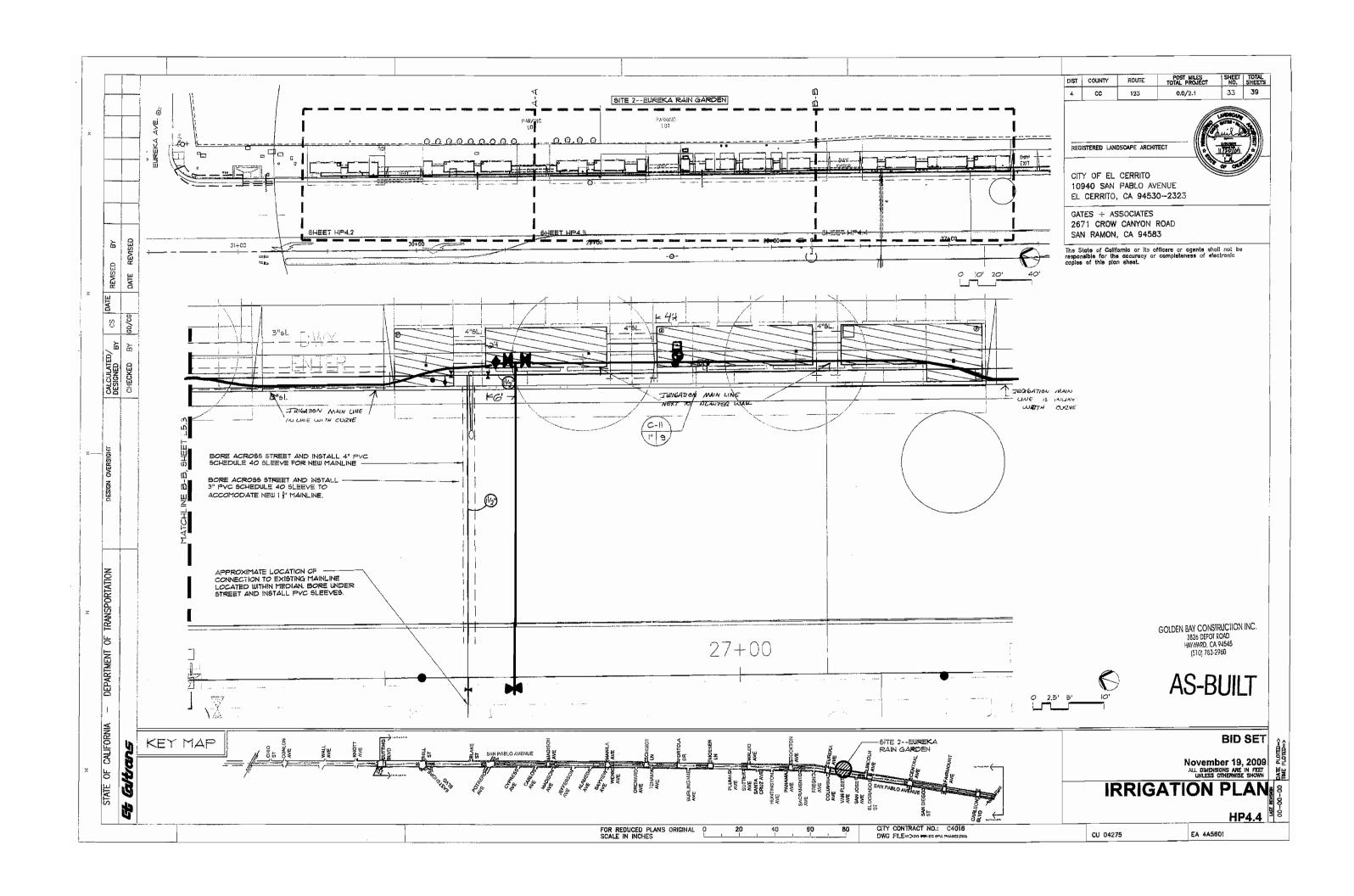












# SED B REVISED DATE 肾 CALCULATED/ DESIGNED E CHECKED B 님 DEPARTMENT CALIFORNIA **Git**rans 능 STATE ť

#### IRRIGATION NOTES

- 1. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHERE POSSIBLE. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
- 2. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- 3. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
- 4. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF HIS WORK AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH FITTINGS, ETC., AS MAY BE REQUIRED TO MEET SUCH CONDITIONS, DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THEN WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING, AND ARCHITECTURAL FEATURES.
- 6. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS WHERE POSSIBLE (NOT IN LAWN AREA).
- 7. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND 100 FEET ON CENTER ALONG WIRE RUN. TAPE WIRE IN BUNDLES 10 FEET ON CENTER.
- 8. INSTALL FOUR (4) SPARE CONTROL WIRES OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- 10. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- 11. NOTIFY ARCHITECT OF ANY ASPECTS OF LAYOUT WHICH WILL PROVIDE INCOMPLETE OR INSUFFICIENT WATER COVERAGE OF PLANT MATERIAL AND DO NOT PROCEED UNTIL HIS INSTRUCTIONS ARE OBTAINED
- 14. INSTALL VALVE BOXES 12" FROM AND PERPENDICULAR TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK. CURB, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF VALVE BOX SHALL BE PARALLEL TO WALK, CURB, LAWN, ETC.
- 15. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS, THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 16. OPERATE IRRIGATION CONTROLLER(S) BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM.
- 17. IRRIGATION CONTRACTOR TO NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.
- 18. PRIOR TO TRENCHING, CALL UNDERGROUND SERVICE ALERT, (1-800) 642-2444 FOR NORTHERN CALIFORNIA
- 19. WHEN VERTICAL OBSTRUCTIONS (STREET LIGHTS, TREES, FIRE HYDRANTS, ETC.) INTERFERE WITH THE SPRA' PATTERN OF THE HEADS SO AS TO PREVENT PROPER COVERAGE, THE IRRIGATION CONTRACTOR SHALL FIELD ADJUST THE SPRINKLER SYSTEM BY INSTALLING A QUARTER, THIRD OR HALF CIRCLE HEAD AT THE SIDES OF THE OBSTRUCTION SO AS TO PROVIDE PROPER COVERAGE. ALL ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST
- 20. ENGRAVE OR HOT STAMP REMOTE CONTROL VALVE BOXES WITH CONTROLLER STATION NUMBERS.
- 21. PROVIDE PLASTIC LAMINATED COLOR-CODED IRRIGATION LAYOUT DIAGRAMS.
- 22. PROVIDE TWO (2) SETS OF Q.C. KEYS AND CONTROLLER.
- 23. REFER TO IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION, PRESSURE TESTING AND TURN OVER ITEMS.

#### IDDIC ATION I FOR IT

SYMBOL	MODEL NUMBER	DESCRIPTION	PSI	GPM	RADIUS		
		*					
•	RWS-BG-01	RAINBIRD DEEP WATERING BUBBLER	30	.25	-		
H	T113-K	NIBCO GATE VALVE (1 1/2"-3") WITH C	ROSS	HANDLE IN R	OUND BOX		
•	44 LRC	RAIN BIRD QUICK COUPLING VALVE					
<b>(</b> )	1-1201-1151-8130 PMR-MF-30-1"		AMIAD 1" DRIP FILTER WITH 130 MESH SCREEN WITH SENNINGER 1" IN-LINE PRESSURE REDUCING VALVE (1-22 GPM)				
Ð	FCH-H	TORO FLUSH VALVE					
	CV-1000-FF	KBI SPRING CHECK VALVE (LINE SIZE) II	N A PL	ASTIC BOX			
A	TLAVRV	NETAFIM AIR VACUMM/RELIEF VALVE					
•	700 SERIES ULTRA FLOW	IRRITROL SYSTEMS REMOTE CONTROL VAI	_VE				
D-I		STATION NUMBER GALLONS PER MINUTE VALVE SIZE  MAIN LINE: 2 1/2" AND LARGER:1120-CI PIPE WITH SCHEDULE 40 PVC SOLVENT 2" AND SMALLER:1120-SCHEDULE 40 PV SCHEDULE 40 PVC SOLVENT WELD FITTIN	VELD F C PLAS	TITTINGS. STIC PIPE WIT			
		LATERAL LINE:1120-200 PSI PVC PLASTIC 40 PVC PLASTIC FITTINGS. 12" COVER.	PIPE	WITH SCHED	ULE		
		LATERAL LINE FOR DRIPLINE IRRIGATION: PLASTIC PIPE WITH SCHEDULE 40 PVC PI COVER.					
		TORO DL2000 SERIES DRIPLINE MODEL # 12" EMITTER SPACING DRIPLINE WITH TOF FITTINGS. 4" COVER. REFER TO SUBSURF AND INSTALLATION DETAILS L5.17	RO 1/2	" COMPRESS	ION		
	====	SLEEVE:1120-200 PSI PVC PLASTIC PIPE 40 PVC PLASTIC FITTINGS. 18" COVER.	WITH	SCHEDULE			

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
4	cc	123	0.0/2.1	34	39

REGISTERED LANDSCAPE ARCHITECT

CITY OF EL CERRITO 10940 SAN PABLO AVENUE EL CERRITO, CA 94530-2323

GATES + ASSOCIATES 2671 CROW CANYON ROAD SAN RAMON, CA 94583

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#### SUBSURFACE IRRIGATION INSTALLATION NOTES:

- . ASSEMBLE AND INSTALL FILTER, REMOTES CONTROL VALVE AND PRESSURE REGULATING VALVE ASSEMBLIES ACCORDING TO DETAILS L.S.I.
- ASSEMBLE AND INSTALL SUPPLY HEADERS ACCORDING TO DETAIL LS.IT. TAPE OR PLUG OPEN CONNECTIONS TO PREVENT DEBRIS CONTAMINATION.
- 3, ASSEMBLE AND INSTALL EXHAUST HEADERS IN ACCORDANCE WITH DETAILS LIT. TAPE OF PLUS ALL OPEN CONNECTIONS TO PREVENT DEBRIS CONTAMINATION.
- 4. INSTALL DRIP LATERALS, TAPE OR PLUG OPEN ENDS WHILE INSTALLING TO PREVENT DEBRIS CONTAMINATION.
- INSTALL AIR VACUUM RELIEF VALVES AT HIGHEST POINTS OF THE IRRIGATION ZONES IN ACCORDANCE WITH DETAILS L5.17.
- 6. THOROUGHLY FLUSH DRIPLINE LATERALS AND CONNECT TO EXHAUST HEADERS OR INTERCONNECTING LATERALS WHILE FLUSHING.
- , THOROUGHLY FLUSH EXHAUST HEADERS AND INSTALL LINE FLUSHING VALVES ACCORDING TO DETAILS L5.17.
- THOROUGH FLUSHING OF EACH INSTALLATION SEGMENT IS NECESSARY TO ENSURE THAT NO DEBRIS CONTAMINATION OCCURS.
- 9. LOCATE AND INSTALL CHECK VALVE(S) AS NEEDED AND AS SHOWN IN INSTALLATION DETAILS L5.17.

GOLDEN BAY CONSTRUCTION INC. 3826 DEPOT ROAD HAYWARD, CA 94545 (510) 783-2960

## **AS-BUILT**

**BID SET** 

November 19, 2009 ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE SHOWN

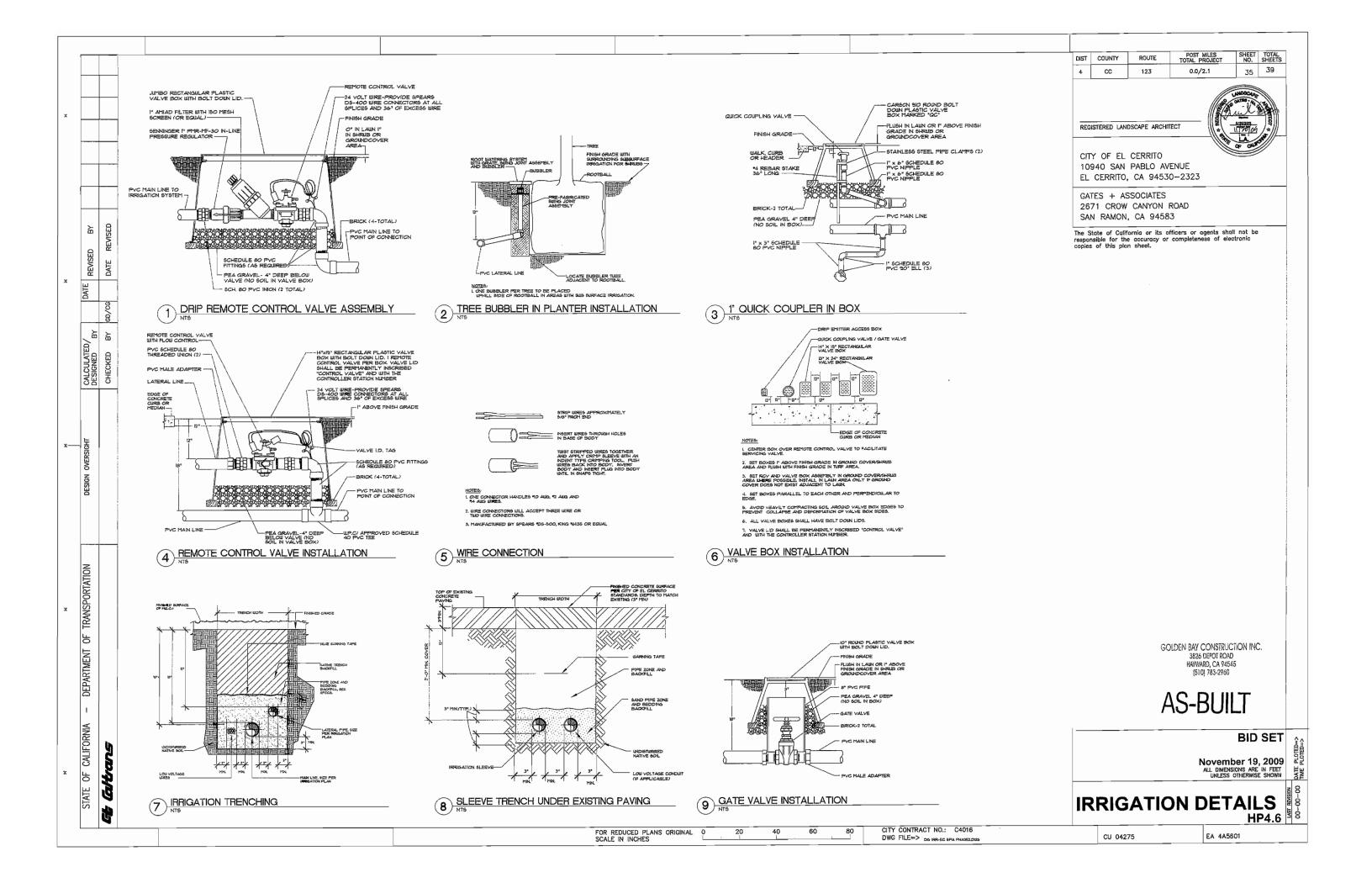
IRRIGATION NOTES & LEGEND

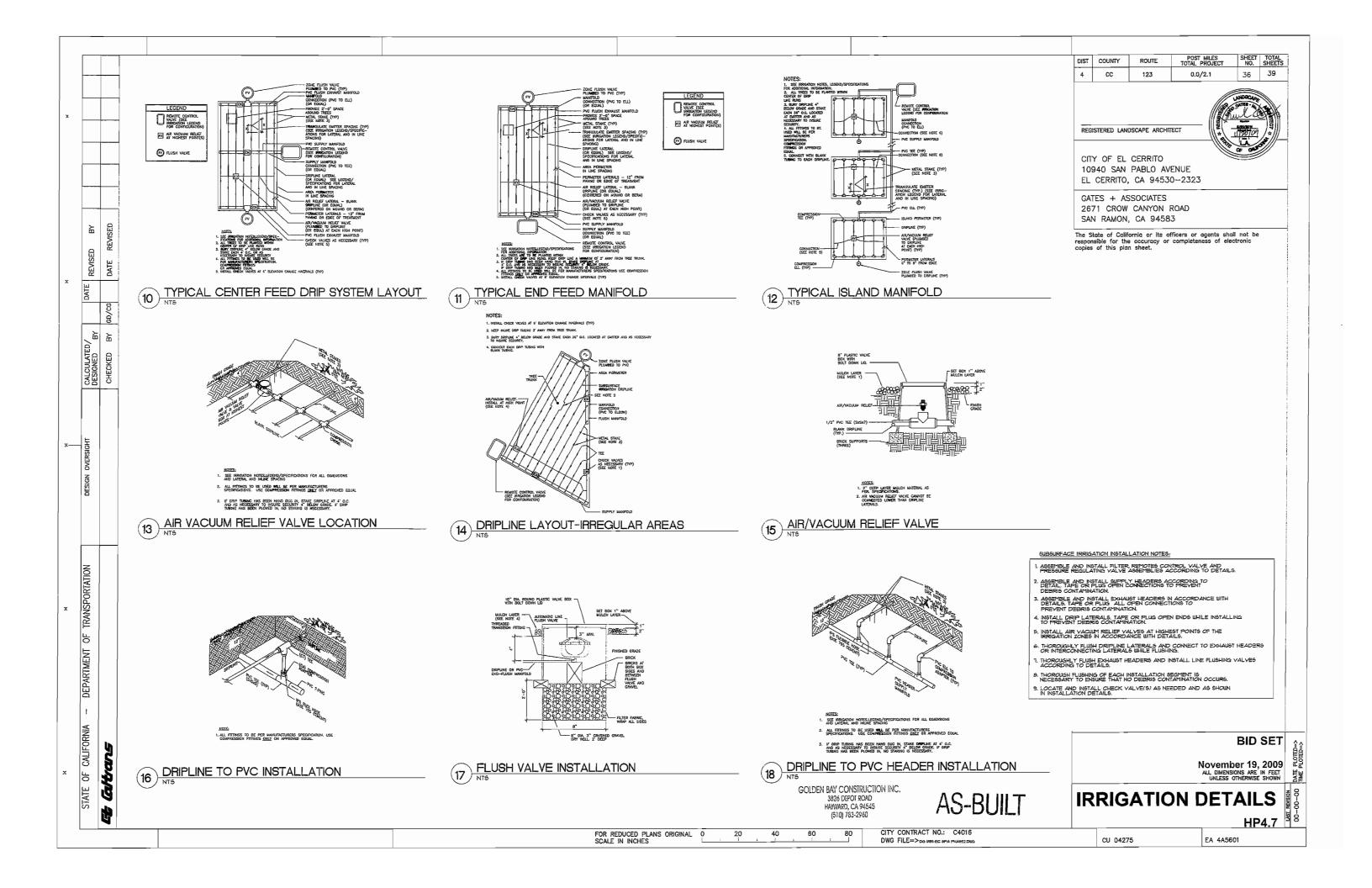
HP4.5 <sup>⅓</sup>8

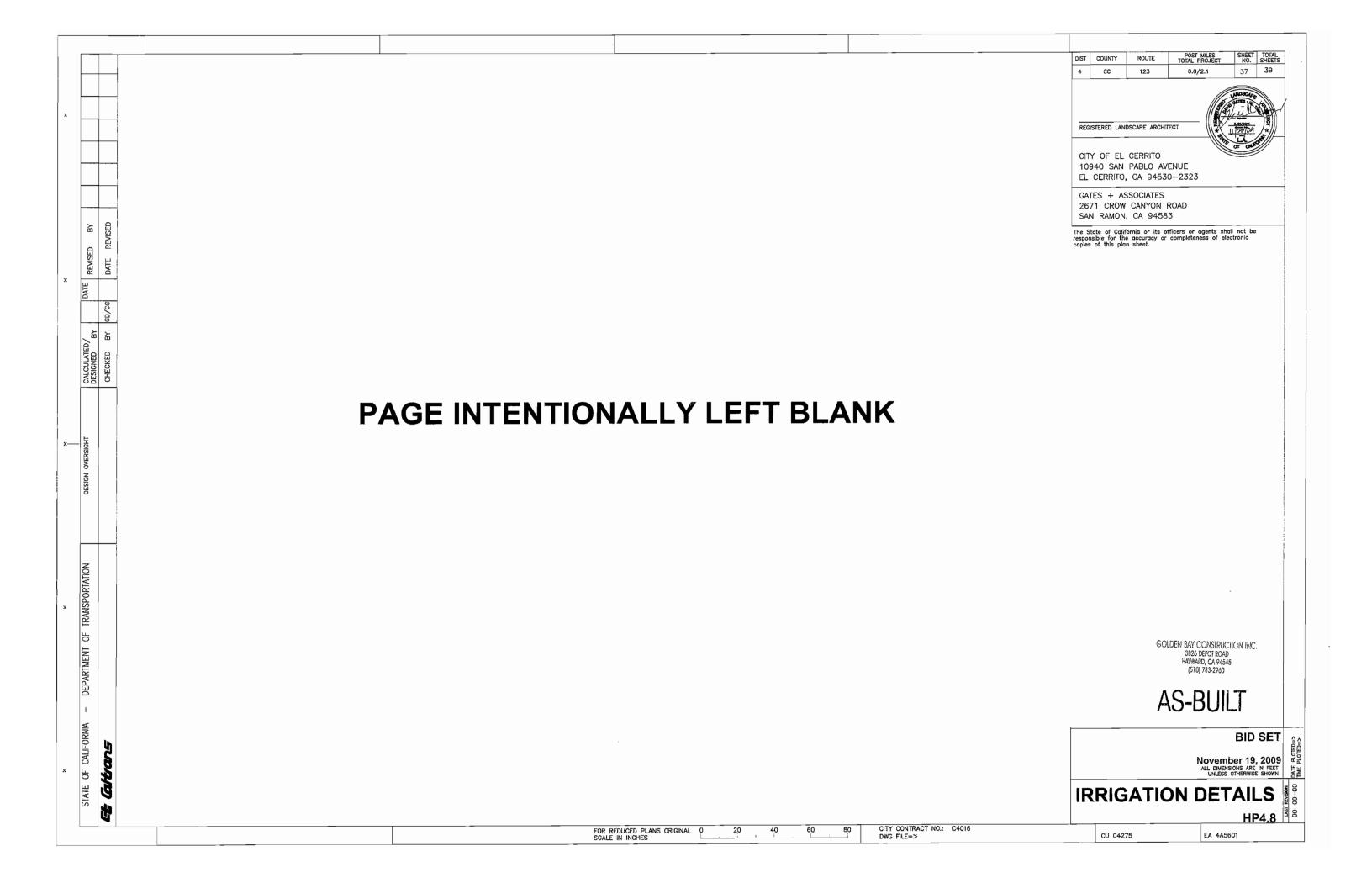
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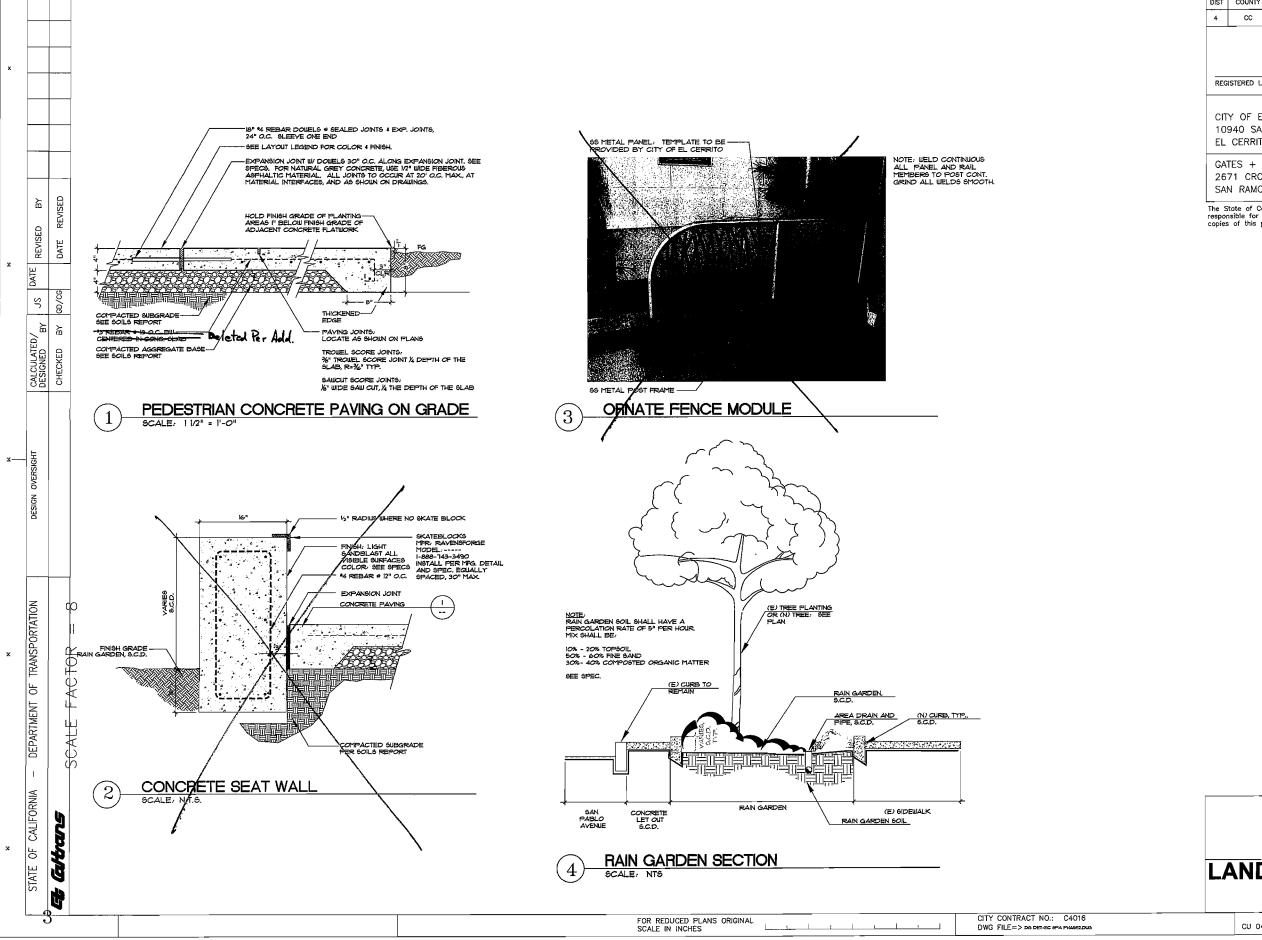
CITY CONTRACT NO.: C4016 DWG FILE => DG IRR-EC BPA PHASE2D

CU 04275









SHEET TOTAL NO. SHEETS POST MILES TOTAL PROJECT DIST COUNTY ROUTE 38 39 123 0.0/2.1

REGISTERED LANDSCAPE ARCHITECT

CITY OF EL CERRITO 10940 SAN PABLO AVENUE EL CERRITO, CA 94530-2323

GATES + ASSOCIATES 2671 CROW CANYON ROAD SAN RAMON, CA 94583

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### **AS-BUILT**

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November 19, 2009
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LANDSCAPE DETAILS

HP5.1 <sup>⅓</sup>8

CU 04275

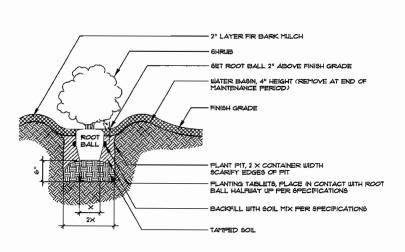
EA 4A5601

PLANTING LOCATION EDGE OF PAVING, WALL OR OTHER ARCHITECTURAL FEATURE.

B. FOR USE AS A GUIDE FOR SHRUBS AND GROUNDCOYER WHEN PLANTS ARE SPACED EQUIDISTANT FROM EACH OTHER.

Plant	Plant Quantity Chart		
Spacing	of Plants/9.F.		
6° o.c.	4.60		
8" o.c.	2.60		
12" o.c.	1.15		
18" o.c.	.512		
24° o.c.	.290		
30° o.c.	.185		
36" o.c.	,128		
42* o.c.	.087		
48" o.c.	.063		

PLANT SPACING SCALE: N.T.S.



SHRUB PLANTING

SCALE: !" = 1'-0"

PLAN LINEAR ROOT BARRIER

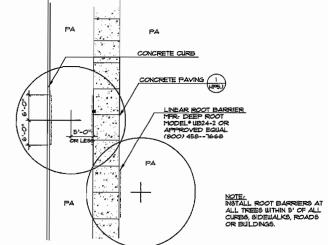
THEE TIES: 2'-O" CORDED BLACK RUBBER TREE TIES NAILED TO TREE STAKES WITH GALYANIZED ROOFING NAILS. NAIL 6" BELOW TOP OF STAKE. POTAKE: 3" DIA X IO" LODGE POLE PINE W CHEMONITE OR APPROVED EQUAL, CUT 5TAKE 2" BELOW LOUEST BRANCH, DRIVE A MIN. OF ACE 2" BELOW GRADE \* OUTSIDE EDGE OF ROOTBALL. SEE IRRIGATION PLANS -SET ROOT BALL 2" ABOVE FINISH GRADE REPAIR LAUN AS NEEDED. FINISH GRADE ROOT BALL -- WATER BASIN BERM, 4" HIGH AMENDED SOIL MIX PER SOIL & PLANT LAB REPORT -SCARIFY SIDES OF PLANT PIT -FERTILIZER TABLETS, PLACE IN CONTACT WITH ROOTBALL, HALFWAY UP, PER SPECIFICATION RAIN GARDEN SOIL

PREVAILING

NOTES.

I. ROOT CONTROL BARRIER MIST BE USED IF TREE
IS PLANTED WITHIN 5' OF CURB OR SIDEWALK.
SEE DETAIL.
2. SEE IRRIGATION DRAWINGS FOR ADDITIONAL
INFORMATION.
3. FOR TREES 56" BOX AND LARGER SEE 36"
BOX STAKING DETAIL.
4. CONTRACTOR TO VERIFY PERCOLATION OF
PLANTING PIT PRIOR TO PLANTING, PERCOLATION
RATE MIST BE 3" FER HOUR. IF RATE IS NOT 3"
PER HOUR NOTIFY LANDSCAPE ARCHITECT,
5. NI LAW AREAS, OHIT MILCH AND HOLD LAWN
CLEAR OF ROOTEALL ZONE.
TREE TIES 2"-O" CORDED BLACK RUBBER TREE

TREE STAKING SCALE: 3/8" = 1'-0"



SHEET TOTAL SHEETS ROUTE DIST COUNTY CC 123 0.0/2.1 39 39

REGISTERED LANDSCAPE ARCHITECT

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GATES + ASSOCIATES 2671 CROW CANYON ROAD SAN RAMON, CA 94583

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10252 San Pablo Ave, El Cosnto Bldg. Ex. Driveway 2 Ft Vide 6x6/10 WWM Raingarden Centered On Pipe (curb#g-tter New 3. PVC Carb Drain Connect To Ex. Pipe Drain To New Box 2 EA #3 Rebur (2 Ft. Min.) A/HP5.2 BANK N. H. W. New Drain Box Grout To New 3"PUC

> GOLDEN BAY CONSTRUCTION INC. 3826 DEPOT ROAD (510) 783-2960

**AS-BUILT** 

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LANDSCAPE DETAILS

HP5.2 <sup>|≤</sup> 8

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES

CITY CONTRACT NO.: C4016 DWG FILE=> DG DET-EC SPA PHASEZ DUE

CU 04275

EA 4A5601

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REVISED

DATE

Sr co/cc

CALCULATED/ DESIGNED BY CHECKED BY

DATE

OF CALIFORNIA STATE

TRANSPORTATION

R

DEPARTMENT

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