



**CITY OF ALBANY
CITY COUNCIL AGENDA
STAFF REPORT**

Agenda Date: 03/16/2015
Reviewed by: PL

SUBJECT: Resolution No. 2015-11- Marin/Curtis Intersection Safe Routes to School (SR2S) Pedestrian Improvements: Approval of Construction Plans with amendment, Contract Amendment with TJKM Transportation Consultant for Design Change and Authorize the City Manager to issue a Call for Construction Bids for the Project

REPORT BY: Aleida Andrino-Chavez, Transportation Planner
Jeff Bond, Community Development Director

SUMMARY

The action before the Council is to consider the proposed construction plans for improvements to the intersection of Marin Avenue and Curtis Street adjacent to Marin Elementary School. Related actions include appropriation of required funds and authorizing the City Manager to issue a Call for Construction Bids in May 2015.

The design amendments include a raised crosswalk at the north leg of the Curtis/Sonoma intersection with the option to add public art, the incorporation of the high visibility crosswalk with curb ramps at the south leg of the Curtis/Sonoma intersection and the installation of a speed hump on Sonoma, between Neilson and Peralta. This request requires an amendment to the existing contract with TJKM Transportation Consultants and the appropriation of additional funds.

STAFF RECOMMENDATION

That Council adopt Resolution No. 2015-11, which includes:

- a) Approving the Construction Plans and Engineer's Estimate for the Marin/Curtis Safe Routes to Schools Project;
- b) Authorizing the City Manager to execute an amended professional services contract with TJKM Transportation Consultants for the development of plans, Final Estimates and specifications for a raised crosswalk on the north leg of the Curtis/Sonoma intersection, installation of a high visibility crosswalk on the south leg of this intersection and installation of a speed hump on Sonoma between Neilson and Peralta and allocate the necessary funds to design the additional task.
- c) Appropriating funds for construction of the project; and
- d) Authorizing the City Manager to issue a Call for Construction Bids in May 2015 and allocate the needed funds to close the construction phase funding gap.

BACKGROUND

In recent years, the City has prioritized pedestrian safety improvements near the City's elementary schools. For the intersection of Marin Avenue and Curtis Street, the design process began with the City obtaining a State Safe Routes to School (SR2S) grant in 2012 for the design and construction of pedestrian improvements on the east side of Marin Elementary School.

The recommended safety improvements consist of constructing bulb outs to shorten the walking distance across Marin Avenue as well as installation of high visibility crosswalks at the intersection of Marin Avenue and Curtis Street, and Curtis Street and Sonoma Avenue. In addition, the project includes sidewalk widening and repair along the east side of Marin Elementary School and installation of a Rectangular Rapid Flashing Beacon (RRFB) at the intersection of Marin Avenue and Curtis Avenue to increase driver yielding behavior during school bell times. These improvements are intended to complement the recent improvements completed in 2012 on the west side of Marin Elementary School at Marin Avenue and Santa Fe Avenue.

For the design of this project, the City hired the team of TJKM Transportation Consultants and Siegfried Engineers through competitive process. Design work started in November 2013 and has been processed by the Traffic and Safety Commission through four meetings at the 35, 65, and 95 percent engineering detail. Neighborhood residents and property owners were invited to participate in the public process for the planned improvements. The plans developed for the project are presented in Attachment 1. These plans present the design without the proposed amendment. Attachment 2 presents the proposed design amendments at the Curtis/Sonoma intersection.

DISCUSSION

The improvements to the Marin/Curtis and Sonoma Curtis intersections are consistent with several City Council Strategic Plan themes, including improvements to sidewalks and implementing the Climate Action Plan and Active Transportation Plan. At their July 2014 meeting, the Traffic and Safety Commission approved the 95% detail plans and issued a recommendation to Council for plan approval and authorization to City Manager to issue construction bids. The Commission also recommended the addition of a raised crosswalk at the north leg of the Curtis/Sonoma intersection as an optional task for Council consideration.

Following completion of the 95% plans, a field test of the proposed configuration of the intersection of Curtis Street and Sonoma Avenue found that maneuvering a fire engine will be problematic if there are other motor vehicles in or near the intersection. At the February 2015, the Traffic and Safety Commission reviewed the design at the Sonoma/Curtis intersection and recommended elimination of the bulb out and inclusion of the raised crosswalk, alternative task into the design, on the north leg of the intersection. In addition, the Commission recommended inclusion of high visibility crosswalk at the south leg of

Sonoma and Curtis, and installation of a speed hump on Sonoma, between Neilson and Peralta.

The City Council approved the original contract with TJKM, thus the Council also needs to authorize the amendment to the agreement (Attachment 3). In order to avoid a series of incremental Council actions on this project, the staff recommendation incorporates both the amendment to the design contract and authorization to call for bids. If approved, the next Council action will be approval of the construction contract.

The Commission also suggested consulting with the Arts Committee to look for opportunities for implementation of Public Art with the project and use the Art Fee generated by the project to offset the cost of the added work. Staff presented the Traffic and Safety Commission request at the Arts Committee meeting in October 2014. The Arts Committee supported the recommendation, but could not recommend commitment of funds at the time because more information was needed about cost of design and process for artist selection. The Arts Commission is expected to make a determination in the spring of 2015.

SUSTAINABILITY IMPACT

Implementation of improved pedestrian infrastructure encourages more walking and rolling for the trip to school, improving children's health by promoting active modes of transportation. This in turn reduces vehicular congestion and greenhouse gas emissions around Marin Elementary School and improves air quality. Specifically, the Climate Action Plan includes Measure Transportation and Land Use Policy 4.4, which calls for a series of actions to reducing peak hour automobile trips. One of the actions steps includes infrastructure improvements to facilitate safe-routes-to-school.

ENVIRONMENTAL ANALYSIS

Staff has determined that the proposed project is categorically exempt from the requirements of California Environmental Quality Act Guidelines (CEQA) per Section 15301, "Existing Facilities" of the CEQA Guidelines, which exempts projects that involve alterations of streets, sidewalks, gutters, bicycle paths, and similar facilities for purpose of public safety.

FINANCIAL IMPACT

The estimated total project cost for the construction of the project is \$775,486. The recommended appropriation for the project is presented in Attachment 4. The primary funding source for the project is a grant of \$419,400 from the State of California for Safe Routes to School improvements. An additional \$306,595 of City administered transportation and storm drain-related funds are recommended to be appropriated to the project. The School District has pledged \$25,000 to the project. CDBG funds in the amount of \$24,491 are also proposed to fund a portion of the curb ramps of the project.

Staff estimates that the implementation of custom stamped asphalt on the raised crosswalk would add \$15,000 (with art), assuming custom-made design by a local artist, which is a requirement for the use of Public Art funds.

Another alternative could be painting the crosswalks with a design created by a local artist, which is estimated at \$10,000. The estimated fee for the Art Fund generated by the project is \$10,806, which can be used to pay for the development of the artistic design. Attachment 5 shows some examples of stamped and painted crosswalks.

Funds for the alternative treatments could be furnished by a combination Gas Tax, Measure F, or Measure B Local Streets and Roads.

NEXT STEPS

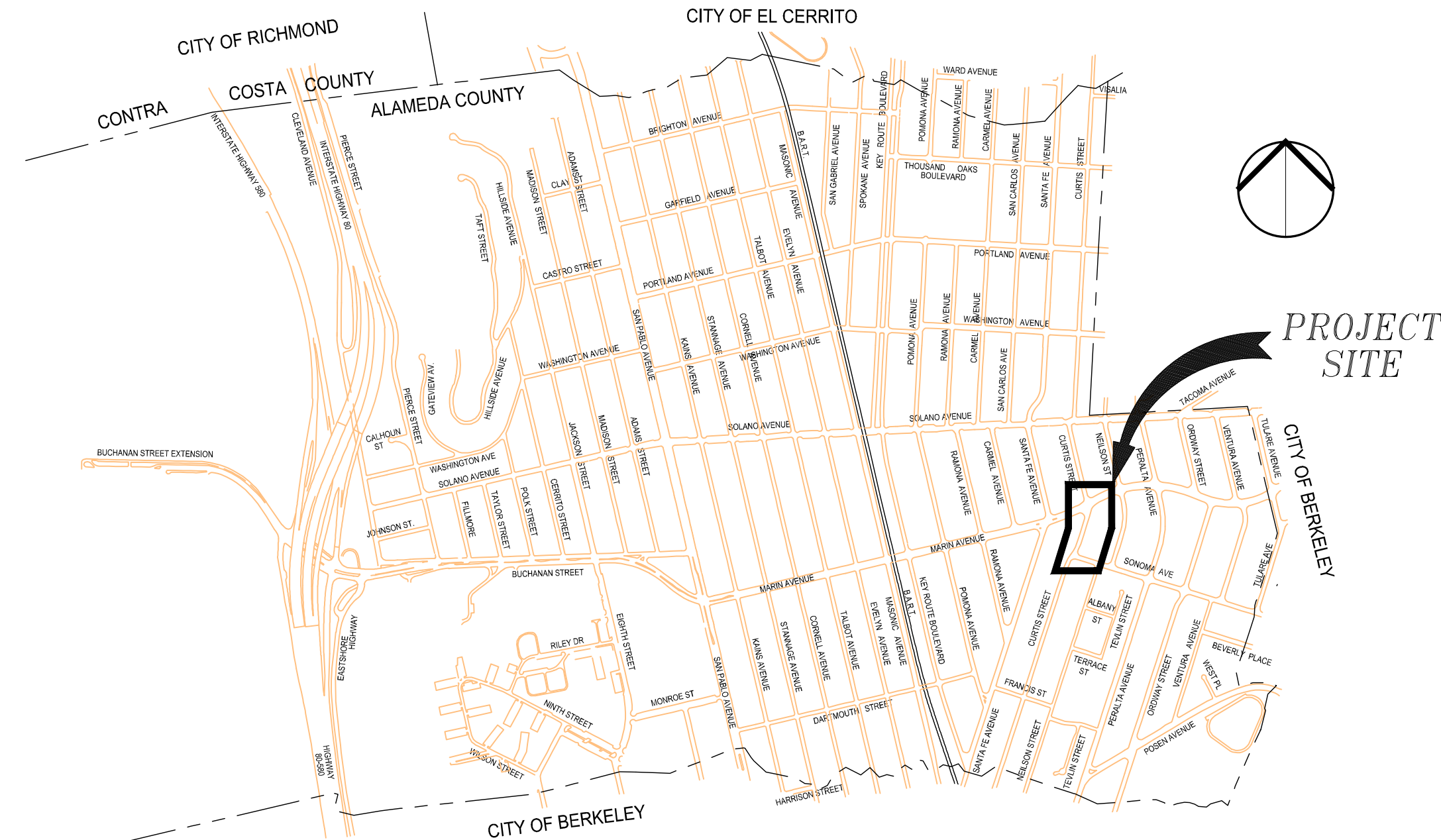
The project is scheduled to be constructed in 2015. To the degree possible, the work will be scheduled when school is not in session. Plans for the amended design will be developed between the end of March and beginning of April 2015, ready for the call for projects in the spring of 2015. If the Public Arts component is included in the project, the Arts Committee will bring to Council a recommendation on any commitments and process in May 2015.

Attachments

1. Project Construction Plans
2. Proposed Design Changes
3. Design Contract Amendment No. 1
4. Proposed Appropriation and Construction Cost Estimate
5. Examples of Stamped Asphalt and Painted Crosswalk
6. Resolution No. 2015-11

SHEET INDEX

- C1.0 TITLE SHEET
- C2.0 GENERAL NOTES & LEGEND
- C3.0 EXISTING CONDITIONS & DEMOLITION PLAN
- C3.1 EXISTING CONDITIONS & DEMOLITION PLAN
- C4.0 PAVING & DIMENSIONING PLAN
- C4.1 PAVING & DIMENSIONING PLAN
- C5.0 GRADING PLAN
- C5.1 GRADING PLAN
- C6.0 UTILITY PLAN
- C7.0 EROSION CONTROL PLAN
- PD-01 PAVEMENT DELINEATION AND SIGNAGE PLAN MARIN AVE / CURTIS ST
- PD-02 PAVEMENT DELINEATION AND SIGNAGE PLAN CURTIS ST / SONOMA AVE
- PD-03 RECTANGULAR RAPID FLASHING BEACON DETAIL SHEET



VICINITY MAP

NOT TO SCALE



ALAMEDA COUNTY, CALIFORNIA

PLANS

FOR THE CONSTRUCTION OF

PEDESTRIAN IMPROVEMENTS EAST SIDE OF MARIN ELEMENTARY SCHOOL

CITY OF ALBANY CONTRACT NO. C13-23

CALTRANS PROJECT NO.

CIP # P90

CITY COUNCIL

Joanne Wile, Mayor

Peter Maass, Vice Mayor

Marge Atkinson, Council Member

Michael Barnes, Council Member

Rochelle Nason, Council Member

Penelope Leach, City Manager
Jeff Bond, Community Development Director
Ray Chan, Public Works Director

APPLICABLE STANDARD PLANS

CALTRANS STANDARD PLANS (May 2010):

A20A	Pavement Markers and Traffic Lines - Typical Details
A20D	Pavement Markers and Traffic Lines - Typical Details
A24A	Pavement Markings - Arrows
RSP A24C	Pavement Markings - Symbols and Numerals
A24E	Pavement Markings - Words and Crosswalks
RSP A88A	Curb Ramp Details
T11	Traffic Control System for Lane Closure on Multilane Conventional Highways
T13	Traffic Control System for Lane Closure on Two Lane Conventional Highways

CITY OF ALBANY STANDARD PLANS WITH SPECIAL PROVISIONS:

ST-1	Vertical Curb and Gutter
ST-2	Residential Sidewalk/Driveway (Separated)
ST-3	Sidewalk (Monolithic)
ST-4	Curb and Sidewalk Joints
ST-5	Curb, Gutter, and Sidewalk Repairs
ST-6	Residential Driveway Repairs
ST-7	Legends & Notes - Sidewalks, Driveways and Curb & Gutter
ST-8	Street & Traffic Sign Mounting Standards
ST-8A	Sign Anchor Detail
ST-10	Sidewalk Drain
ST-11	Type I Sign

CONTRA COSTA COUNTY (STORM DRAIN)

CD11i	Inlet Frame and Grate
CD20i	Type "A" Inlet
CRS1i	Signing & Striping Standards
CD30i	Manhole frame and cover
CD31i	Type II Manhole Base

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION - THE "GREENBOOK"

335-1	Pipe Connection to Existing Storm Drains
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BASIS OF BEARINGS

THE BEARING (N76°48'34"E) WAS HELD BETWEEN CITY OF ALBANY BRASS DISC MONUMENTS SET FLUSH IN THE NORTHEASTERLY RETURN OF RAMONA AVENUE AND MARIN AVENUE (LCC CP#10) AND AT THE NORTHERLY CONCRETE SIDEWALK LOCATED AT 1435/1437 MARIN AVENUE (LCC CP#11). THE DISTANCE MEASURED BETWEEN SAID MONUMENTS WAS 370.12 FEET.

HORIZONTAL DATUM

ALL COORDINATES AND DISTANCES SHOWN HEREON ARE BASED ON NORTH AMERICAN DATUM 1983, ZONE III, (CORS96) 2002.00 EPOCH, AND ARE GIVEN IN U.S. SURVEY FEET. DISTANCES SHOWN HEREON ARE AT GROUND LEVEL.

VERTICAL DATUM

ELEVATIONS SHOWN HEREON ARE BASED UPON CITY OF ALBANY MONUMENT (LCC CP#11, A 3" DIAMETER PUNCHED BRASS DISK LOCATED IN THE SIDEWALK ON THE NORTH SIDE OF MARIN AVENUE APPROXIMATELY 170 FEET WEST OF THE INTERSECTION OF MARIN AVENUE AND THE CENTERLINE OF EXISTING SANTA FE AVENUE (ELEV 85.91') LOCATED AT PROJECT "M" LINE STATION 100+00.

ABBREVIATIONS

AB	AGGREGATE BASE	FDAC	FULL DEPTH ASPHALT CONCRETE	RCP	REINFORCED CONCRETE PIPE
AC	ASPHALT CONCRETE	FOC	FACE OF CURB	RT	RIGHT
APPROX	APPROXIMATE	GALV	GALVANIZED	REQ'D	REQUIRED
BC	BEGIN CURVE	GB	GRADE BREAK	RET	RETURN
BOC	BACK OF CURB	GRND	GROUND	S	SLOPE
BSW	BACK OF SIDEWALK	GTR	GUTTER	SD	STORM DRAIN
BVCE	BEGIN VERTICAL CURVE ELEVATION	GV	GAS VALVE	SDI	STORM DRAIN INLET
BVCS	BEGIN VERTICAL CURVE STATION	H, HORIZ	HORIZONTAL	SDMH	STORM DRAIN MANHOLE
C	CURVE	HP	HIGH POINT	SF	SQUARE FEET
CCC	CONTRA COSTA COUNTY	HYD	HYDRANT	SHLD	SHOULDER
C&G	CURB AND GUTTER	IN	INCH	SSMH	SANITARY SEWER MANHOLE
CB	CATCH BASIN	INV	INVERT	SS	SANITARY SEWER
CD	CURB DRAIN	L	LENGTH	STA	STATION
CH	CURB HEIGHT	LED	LIGHT EMITTING DIODE	ST	STREET
CIP	CAST IRON PIPE	LG	LIP OF GUTTER	SW	SIDEWALK
CL	CENTERLINE	LS	LANDSCAPE	T	TOTAL
CMP	CORRUGATED METAL PIPE	LT	LEFT	TCE	TEMPORARY CONSTRUCTION EASEMENT
D, DIA	DIAMETER	MIN	MINIMUM	TEL	TELEPHONE
DI	DRAINAGE INLET	N	NORTH, NORTHING, NEW	TOC	TOP OF CURB
DIP	DUCTILE IRON PIPE	NO	NUMBER	TS	TRAFFIC SIGNAL
DWG	DRAWING	NTS	NOT TO SCALE	TYP	TYPICAL
E	EASTING, ELECTRICAL	P	PAVEMENT	VAR	VARIES
ELEC	ELECTRICAL	(P)	PROPOSED	VC	VERTICAL CURVE
EC	END CURVE	PBB	PACIFIC BELL BOX	VCP	VITRIFIED CLAY PIPE
EDG	EDGE	PCC	PORTLAND CEMENT CONCRETE	W	WATER
EL OR ELEV	ELEVATION	PCC	POINT OF COMPOUND CURVE	W/	WITH
ELEC OH	ELECTRICAL OVERHEAD	PG	PROFILE GRADE	WM	WATER MAIN
EP, EOP	EDGE OF PAVEMENT	POC	POINT ON HORIZONTAL CURVE	2:1	2 HORIZONTAL TO 1 VERTICAL SLOPE
ETW	EDGE OF TRAVEL WAY	PRC	POINT OF REVERSE CURVE		
EVCE	END OF VERTICAL CURVE ELEVATION	PRKG	PARKING		
EVCS	END OF VERTICAL CURVE STATION	PVC	POLYVINYL CHLORIDE		
EXIST, EX (E)	EXISTING	R	RADIUS		
FB	FACE OF BUILDING	R/W	RIGHT OF WAY		

RAY CHAN
PUBLIC WORKS DIRECTOR

DATE

REV	DATE	DESCRIPTION

DESIGNED BY:	AKM
DRAWN BY:	AKM
CHECKED BY:	PJS
REVIEWED BY:	
DATE:	June 16, 2014

REGISTRATION:

3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

DATE SIGNED: 11/09/14

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
DATE: _____

PEDESTRIAN IMPROVEMENTS
EAST SIDE OF MARIN ELEMENTARY
SCHOOL

City of Albany Contract No. C13-23
Caltrans Project No. SRTS10-04-ALBANY-1

TITLE SHEET

DRAWING: **C1.0**

SHEET No. 1 OF 13

100% DESIGN DOCUMENTS

GENERAL NOTES:

- THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- ALL MATERIALS AND WORK TO CONSTRUCT THE IMPROVEMENTS SHOWN HERE ON THESE PLANS SHALL CONFORM TO THE LATEST EDITION OF COUNTY OF ALAMEDA PUBLIC WORKS AGENCY STANDARD SPECIFICATIONS AND DETAILS, AND THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND PLANS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BEING FAMILIAR WITH THE PROJECT REQUIREMENTS CONTAINED IN THE STANDARD SPECIFICATIONS AND PROJECT SPECIAL PROVISIONS. CONTRACTOR SHALL MAINTAIN A COPY OF THE STANDARD SPECIFICATIONS AND APPROVED PROJECT PLANS AND SPECIAL PROVISIONS AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FROM APPLICABLE AGENCIES TO PERFORM THE WORK SHOWN ON THESE PLANS PRIOR TO COMMENCING WORK.
- WORKING HOURS SHALL BE FROM 8:00AM TO 5:00PM MONDAY THROUGH SATURDAY; AND 10:00AM TO 5:00PM SUNDAY AND HOLIDAYS. NO STARTUP OF HEAVY EQUIPMENT IS ALLOWED PRIOR TO 8:00AM. WRITTEN PERMISSION MUST BE OBTAINED FROM THE CITY ENGINEER PRIOR TO ANY WEEKEND OR HOLIDAY WORK. ALL WORK SHALL BE DONE BETWEEN JUNE 15, 2015 AND AUGUST 14, 2015 SO AS NOT TO CONFLICT WITH THE ALBANY UNIFIED SCHOOL DISTRICT SCHOOL YEAR UNLESS OTHERWISE DIRECTED BY THE CITY. CONTRACTOR SHALL CONFIRM LAST AND FIRST DAYS OF THE SCHOOL YEAR BY CONTACTING THE PERTAINING SCHOOL DISTRICT.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHERS, INCLUDING SUBCONTRACTORS, AT THE PROJECT SITE. CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT ON BEHALF OF THE CONTRACTOR AT THE PROJECT SITE DURING ALL WORKING HOURS.
- CONTRACTOR SHALL NOTIFY THE CITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL INFORM THE CITY ENGINEER AT LEAST THREE (3) WORKING DAYS IN ADVANCE WHEN WORK REQUIRING SPECIAL INSPECTION IS READY FOR INSPECTION. ALL WORK PERFORMED WITHOUT REQUIRED INSPECTION OR NOTIFICATION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE DIRECTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE WITH NO IMPACT TO THE PROJECT SCHEDULE.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL PUBLIC OR PRIVATE UTILITY COMPANIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO EXISTING UTILITY FACILITIES.
- CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS, OR ANY WORK INVOLVING UTILITIES, WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 811 AT LEAST TEN (10) DAYS PRIOR TO START OF CONSTRUCTION AND AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE START OF ANY EXCAVATIONS.
- 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 HAVE NOT BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATIONS AND DEPTHS OF ANY UNDERGROUND UTILITIES OR STRUCTURES WITHIN THE LIMITS OF THE PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, PROTECT AND MAINTAIN ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE 24 HOUR EMERGENCY TELEPHONE NUMBERS TO THE CITY POLICE DEPARTMENT, FIRE DEPARTMENT AND THE CITY ENGINEER AND NOTIFY THEM OF ANY LANE CLOSURES OR DETOURS. DETOURS SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT SAFETY DEVICES INCLUDING BARRICADES, FENCING, WARNING SIGNS, LIGHTS OR FLAGGERS FOR THE SAFETY OF THE GENERAL PUBLIC WITHIN THE PROJECT AREA, AND TO THE SATISFACTION OF THE CITY ENGINEER. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL PROVIDE ONE (1) COMPLETE SET OF AS-BUILT DRAWINGS WITH CHANGES INDICATED IN RED INK ON FULL-SIZE DRAWINGS. AS-BUILTS SHALL BE DELIVERED TO THE CITY'S REPRESENTATIVE AT THE COMPLETION OF WORK PRIOR TO FINAL PROGRESS PAYMENT.

- THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE PUBLIC RIGHT-OF-WAY AND EASEMENT OBTAINED FOR THE PROJECT UNLESS OTHERWISE SHOWN. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: VEHICLES AND EQUIPMENT, LIMITS OF TRENCH EXCAVATIONS, STOCKPILED NEW MATERIAL, EXCAVATED MATERIAL AND BACKFILL MATERIAL. IF THE CONTRACTOR REQUIRES ADDITIONAL CONSTRUCTION EASEMENTS, IT SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH EASEMENT FROM INDIVIDUAL PROPERTY OWNERS.
- CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT AND MAINTAIN ANY EXISTING CONCRETE CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS IDENTIFIED TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CITY.
- CONTRACTOR SHALL RESTORE ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS TO THEIR EXISTING CONDITION OR BETTER TO THE SATISFACTION OF THE CITY ENGINEER INCLUDING, BUT NOT LIMITED TO: LANDSCAPING, IRRIGATION, DRIVEWAYS, AC PAVING, CONCRETE AND UTILITIES.
- CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS AND BENCHMARKS WITHIN THE WORK AREA AND SHALL NOT DESTROY ANY PERMANENT SURVEY MARKERS WITHOUT THE PRIOR CONSENT AND APPROVAL OF THE CITY ENGINEER. ANY PERMANENT SURVEY MONUMENTS OR MARKERS DESTROYED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. CORNER RECORDS NEED TO BE FILED BEFORE REMOVAL AND AFTER RESETTING OF BRASS DISC MONUMENTS.
- ALL TRAFFIC CONTROL REQUIRED FOR CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). ALL PROPOSED LANE CLOSURES AND DETOURS SHALL BE SHOWN ON A TRAFFIC CONTROL PLAN TO BE SUBMITTED FOR REVIEW BY THE CITY ENGINEER AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE SCHEDULED CLOSURE. NO LANE CLOSURE SHALL BE ALLOWED UNTIL THE TRAFFIC CONTROL PLAN IS APPROVED.
- CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AND DRIVEWAYS, OR PROVIDE ALTERNATE/TEMPORARY ACCESS, AT ALL TIMES.
- ALL TREES WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PROTECTED FROM CONSTRUCTION DAMAGE, UNLESS OTHERWISE IDENTIFIED FOR REMOVAL ON PLANS (SEE TREE PROTECTION NOTES).
- CONSTRUCTION ACTIVITIES AFFECTING SERVICE TO ANY FIRE HYDRANT SHALL BE COORDINATED WITH THE CITY FIRE DEPARTMENT A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO STARTING WORK.
- CONTRACTOR SHALL CONFORM TO EXISTING STREETS, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION AND CONFORM IN PAVING, CURBS, GUTTERS AND SIDEWALKS TO AVOID ANY ABRUPT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS, OR HAZARDOUS CONDITIONS.
- CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS PRIOR TO PROCEEDING WITH THE WORK. ANY COSTS RESULTING FROM THE CONTRACTOR'S FAILURE TO REPORT SUCH CONFLICTS SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL CONDUCT GRADING AND CONSTRUCTION ACTIVITIES IN SUCH A MANNER TO CONTROL AIRBORNE DUST AND RELATED DAMAGE TO ADJACENT PROPERTIES. SUFFICIENT WATERING TO CONTROL DUST AND WIND BLOWN MATERIAL IS REQUIRED AT ALL TIMES AND CONTRACTOR ASSUMES FULL LIABILITY FOR DAMAGE CLAIMS RELATING TO DUST.
- ANY MATERIALS CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS THAT ARE REMOVED FROM THE PROJECT SITE MUST BE PERFORMED ONLY BY A PRE-APPROVED STATE OF CALIFORNIA LICENSED ASBESTOS ABATEMENT CONTRACTOR REGISTERED WITH CAL-OSHA. ASBESTOS AND OTHER HAZARDOUS MATERIAL HANDLING MUST BE IN ACCORDANCE WITH CAL-OSHA, FED-OSHA, U.S. EPA, CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCE CONTROL AND THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT REGULATIONS.
- TJKM AND SIEGFRIED AND THEIR SUBCONSULTANTS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS SHALL BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER OF RECORD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FULL COMPLIANCE WITH THE CITY'S STORM WATER PROGRAM AND THE ALAMEDA COUNTY NPDES PERMIT REQUIREMENTS AVAILABLE AT THE ALAMEDA COUNTYWIDE CLEAN WATER PROGRAM WEB SITE WWW.CLEANWATERPROGRAM.ORG.
- THE PROJECT IS INTENDED TO BE CONSTRUCTED DURING DRY MONTHS. HOWEVER, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE SUBMITTED FOR APPROVAL. SUCH A SWPPP SHALL BE FULLY IMPLEMENTED.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES AND MEASURES SHALL CONFORM TO THE CALTRANS STANDARD PLANS 2010 AND CA MUTCD CURRENT EDITION. IF ANY DISCREPANCIES OCCUR, THE CALTRANS STANDARD PLANS SHALL GOVERN.
- ALL TEMPORARY WATER POLLUTION CONTROL FEATURES AND MEASURES SHALL CONFORM TO THE CALTRANS STANDARD PLANS 2010 AND ALL NEW AND REVISED STANDARD PLANS AS POSTED ON THE CALTRANS WEBSITE.

TREE PROTECTION NOTES:

- ARBORIST: IF TREE ROOTS ARE TO BE ENCOUNTERED, CONTRACTOR SHALL CONTACT THE CITY'S ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION. NO EXCAVATION SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREA(S). NO TREE PRUNING, REMOVAL OF ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORISTS DIRECTION, RECOMMENDATIONS OR APPROVAL.
- TRENCHING: ALL TRENCHING WITHIN THE DRIP LINE OF EXISTING TREES SHALL BE BY HAND WITH CARE TAKEN NOT TO DAMAGE ROOTS OVER 2" DIAMETER.
- ADVANCE MARKING: CITY'S ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO EXCAVATING.
- PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY CITY'S ARBORIST.
- CONSTRUCTION OPERATIONS: NO CONSTRUCTION OPERATIONS SHALL BE CARRIED ON WITHIN THE DRIP LINE AREA OF ANY TREE DESIGNATED TO BE SAVED EXCEPT AS AUTHORIZED BY THE CITY ARBORIST.
- STORAGE: THE AREA UNDER THE DRIP LINE OF THE TREE SHALL BE KEPT CLEAN. NO CONSTRUCTION MATERIALS NOR CHEMICAL SOLVENTS SHALL BE STORED OR DUMPED UNDER A TREE.

CONSTRUCTION STAKES:

CONTRACTOR IS RESPONSIBLE FOR HIRING A LICENSED LAND SURVEYOR OR A QUALIFIED REGISTERED CIVIL ENGINEER TO PROVIDE STAKING AND MONUMENT PRESERVATION FOR THE PROJECT.

GENERAL LEGEND

EXISTING	NEW	DESCRIPTION
		UTILITY POLE
		ELECTROLIER/LUMINAIRE
		FIRE HYDRANT
		ROADSIDE SIGN
		WATER VALVE
		GAS VALVE
		SANITARY SEWER LINE
		WATER LINE
		STORM DRAIN LINE
		TRAFFIC SIGNAL CONDUIT
		UNDERGROUND ELECTRIC LINE
		OVERHEAD UTILITY LINE
		GAS LINE
		FENCE
		MONUMENT LINE
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		STORM DRAIN INLET

REV	DATE	DESCRIPTION

DESIGNED BY:	AKM
DRAWN BY:	AKM
CHECKED BY:	PJS
REVIEWED BY:	
DATE:	June 16, 2014

REGISTRATION:

3244 Brookside Road, Suite 100 Stockton, California 95219
209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

REGISTERED PROFESSIONAL ENGINEER
PAUL J. SCHMEIDT
No. 62498
Exp. 09/30/15
CIVIL
STATE OF CALIFORNIA

DATE SIGNED: 11/09/14

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

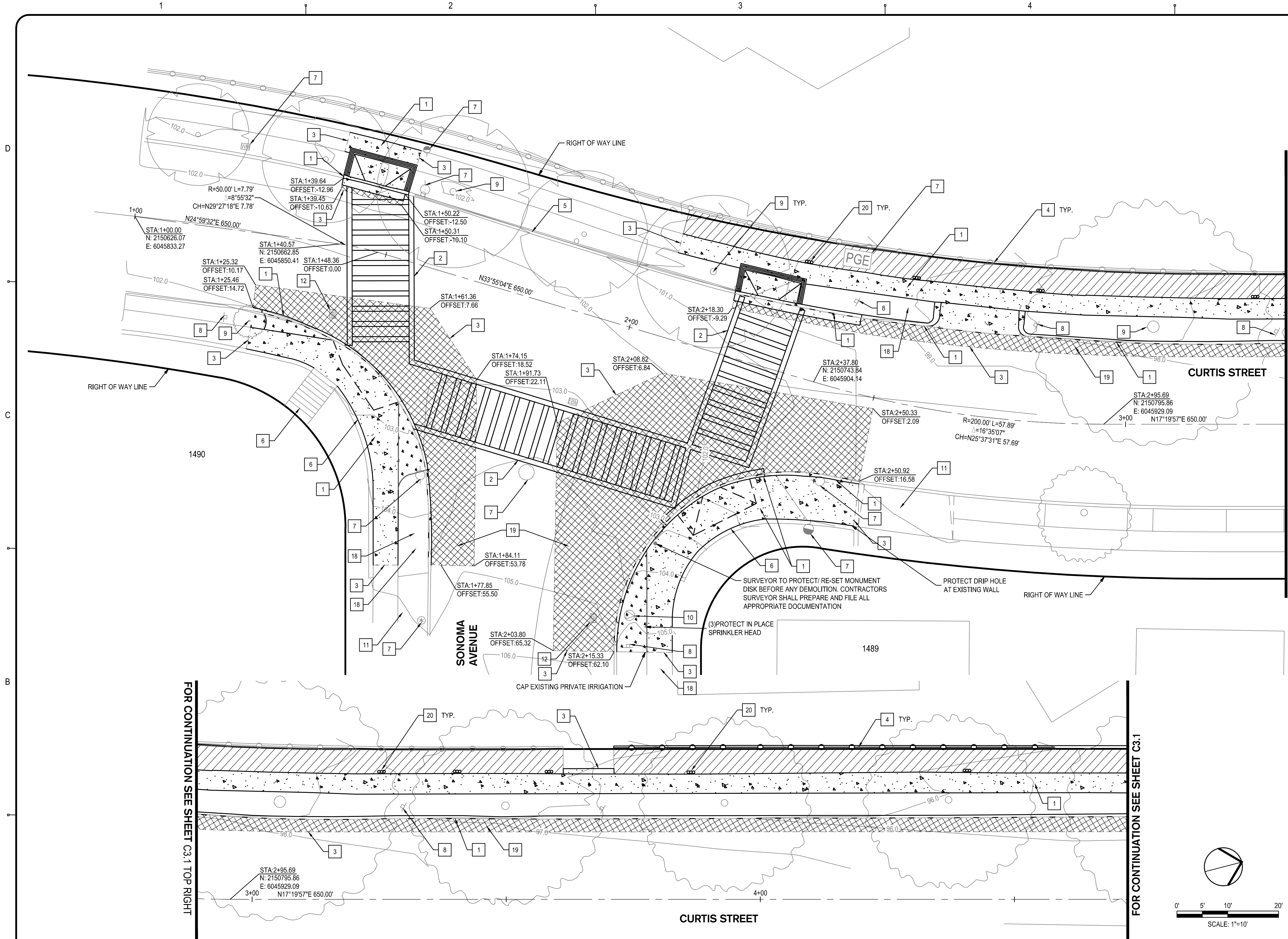
RAY CHAN, CITY ENGINEER.
DATE: _____

ALBANY, CA

**PEDESTRIAN IMPROVEMENTS
EAST SIDE OF MARIN ELEMENTARY
SCHOOL**

City of Albany Contract No. C13-23
Caltrans Project No. SRTS10-04-ALBANY-1

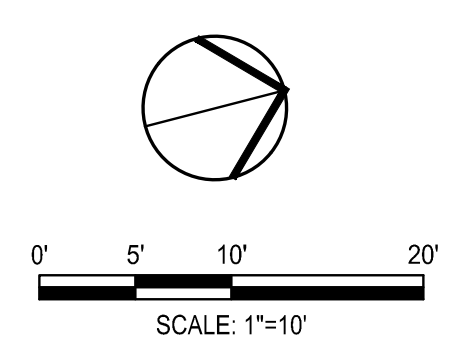
GENERAL NOTES & LEGEND	
DRAWING:	SHEET No.
C2.0	2 OF 13



- LEGEND:**
- SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE PAVEMENT. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS. REMOVE TO NEAREST RELIEF JOINT.
 - REMOVE, AND DISPOSE OF EXISTING PAVERS. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS
 - SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT PAVEMENT. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS
 - CLEAR AND GRUB, EXCAVATE AS NECESSARY TO PREPARE AREA FOR IMPROVEMENTS
 - REMOVE EXISTING AC AS NECESSARY TO CONSTRUCT SIDEWALK
 - EXISTING TREE STUMP AND ROOTS TO BE REMOVED
 - RIGHT OF WAY LINE

- DEMOLITION NOTES:**
1. VERIFY LOCATION OF SURFACE AND SUBSURFACE UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
 2. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF DEMOLITION AND UTILITY ABANDONMENT.
 3. CONTRACTOR SHALL NOTIFY AND COORDINATE WORK WITH UTILITY FACILITY OWNERS.
 4. ALL EXISTING STRIPING AND MARKINGS TO BE REMOVED SHALL BE GROUND AND A LAYER OF SEAL COAT SHALL BE APPLIED.
 5. SAWCUT ON SIDEWALK SHOULD BE MADE ALONG EXISTING JOINTS WHERE POSSIBLE OR AS DIRECTED BY CITY ENGINEER.
 6. ALL ENTITIES SHOWN AS BOLD ARE TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.
 7. ALL QUANTITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
 8. ALL UTILITIES BOXES WITHIN ROADWAY SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE, UNLESS OTHERWISE NOTED.
 9. REFER TO PD SHEETS FOR SIGNING AND STRIPING.
 10. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT THE PROJECT MANAGER.

- NOTES:**
- 1 REMOVE EXISTING CONCRETE CURB & GUTTER IMPROVEMENTS
 - 2 REMOVE EXISTING STRIPING. SEE NOTE NO. 4
 - 3 SAWCUT TO A NEAT & CLEAN LINE.
 - 4 PROTECT IN PLACE EXISTING FENCE
 - 5 PROTECT IN PLACE EXISTING GUARD RAIL
 - 6 PROTECT IN PLACE EXISTING CURB / WALL/STAIRCASE
 - 7 PROTECT IN PLACE EXISTING POLE / ANCHOR / STRUCTURE / UTILITY
 - 8 PROTECT IN PLACE EXISTING SIGN
 - 9 PROTECT IN PLACE EXISTING TREE
 - 10 PROTECT IN PLACE EXISTING FIRE HYDRANT
 - 11 PROTECT IN PLACE EXISTING DRIVEWAY
 - 12 PROTECT AND ADJUST TO GRADE UTILITY BOX
 - 13 PROTECT IN PLACE EXISTING STORM STRUCTURE.
 - 14 REMOVE EXISTING STORM STRUCTURE PRESERVE EXISTING PIPE CONNECTIONS.
 - 15 PROTECT IN PLACE EXISTING HOME/GARAGE.
 - 16 PROTECT IN PLACE EXISTING UNDERGROUND UTILITY
 - 17 RELOCATE EXISTING VALVE BOX.
 - 18 PROTECT IN PLACE EXISTING IRRIGATION AND LANDSCAPING.
 - 19 REMOVE EXISTING AC.
 - 20 REMOVE EXISTING CONCRETE FENCE POST FOOTING



FOR CONTINUATION SEE SHEET C3.1 TOP RIGHT

FOR CONTINUATION SEE SHEET C3.1

FOR CONTINUATION SEE SHEET C3.0 BOTTOM RIGHT

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

SIEGFRIED
 3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214
 DATE SIGNED: 11/09/14

CLIENT: REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

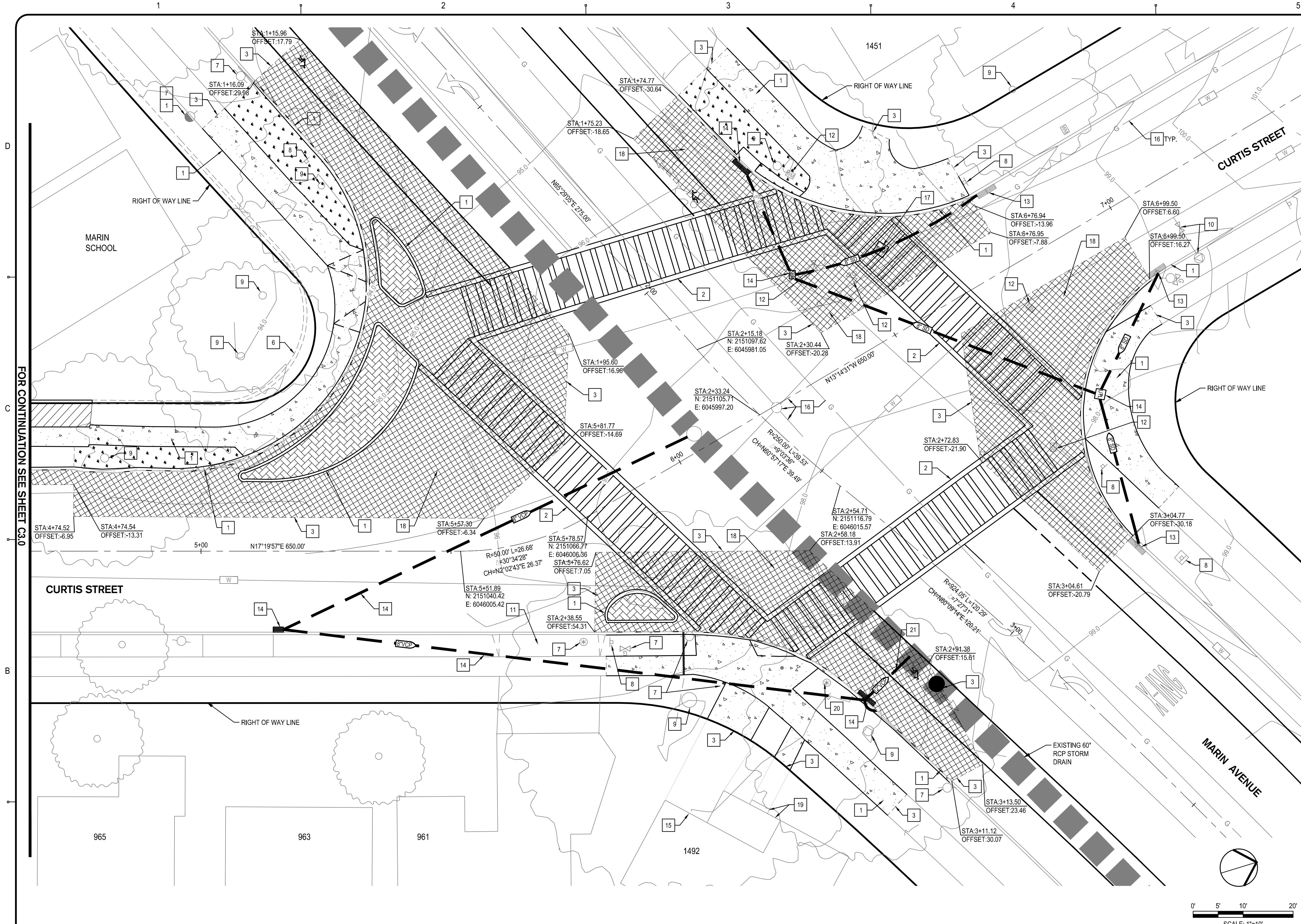
RAY CHAN, CITY ENGINEER.
 DATE: _____

ALBANY, CA
PEDESTRIAN IMPROVEMENTS
EAST SIDE OF MARIN ELEMENTARY SCHOOL
 City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

EXISTING CONDITIONS & DEMOLITION PLAN

DRAWING: **C3.0** SHEET No. 3 OF 13

100% DESIGN DOCUMENTS



- LEGEND:**
- SAWCUT, REMOVE, AND DISPOSE OF EXISTING CONCRETE PAVEMENT. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS
 - REMOVE, AND DISPOSE OF EXISTING PAVERS. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS
 - SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT PAVEMENT. REMOVAL DEPTH SHALL ACCOMMODATE DEPTH OF PROPOSED IMPROVEMENTS
 - CLEAR AND GRUB, EXCAVATE AS NECESSARY TO PREPARE AREA FOR IMPROVEMENTS
 - EXISTING TREE STUMP AND ROOTS TO BE REMOVED
 - RIGHT OF WAY LINE

- DEMOLITION NOTES:**
1. VERIFY LOCATION OF SURFACE AND SUBSURFACE UTILITIES IN THE FIELD PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
 2. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF DEMOLITION AND UTILITY ABANDONMENT.
 3. CONTRACTOR SHALL NOTIFY AND COORDINATE WORK WITH UTILITY FACILITY OWNERS.
 4. ALL EXISTING STRIPING AND MARKINGS TO BE REMOVED SHALL BE GROUND AND A LAYER OF SEAL COAT SHALL BE APPLIED.
 5. SAWCUT ON SIDEWALK SHOULD BE MADE ALONG EXISTING JOINTS WHERE POSSIBLE OR AS DIRECTED BY CITY ENGINEER.
 6. ALL ENTITIES SHOWN AS BOLD ARE TO BE DEMOLISHED, UNLESS OTHERWISE NOTED.
 7. ALL QUANTITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
 8. ALL UTILITIES BOXES WITHIN ROADWAY SHALL BE PROTECTED AND ADJUSTED TO FINISH GRADE, UNLESS OTHERWISE NOTED.
 9. REFER TO PD SHEETS FOR SIGNING AND STRIPING.
 10. IF ANY QUESTIONS ARISE AS TO WHETHER SOMETHING SHOULD BE REMOVED, CONTRACTOR SHALL CONTACT THE PROJECT MANAGER.

- NOTES:**
- 1 REMOVE EXISTING CONCRETE CURB & GUTTER IMPROVEMENTS
 - 2 REMOVE EXISTING STRIPING, SEE DEMOLITION NOTE NO. 4
 - 3 SAWCUT TO A NEAT & CLEAN LINE. IF CONCRETE, REMOVE TO THE NEAREST RELIEF JOINT.
 - 4 PROTECT IN PLACE EXISTING FENCE
 - 5 PROTECT IN PLACE EXISTING GUARD RAIL
 - 6 PROTECT IN PLACE EXISTING CURB / WALL/STAIRCASE
 - 7 PROTECT IN PLACE EXISTING POLE / ANCHOR / STRUCTURE / UTILITY
 - 8 PROTECT IN PLACE EXISTING SIGN
 - 9 PROTECT IN PLACE EXISTING TREE
 - 10 PROTECT IN PLACE EXISTING FIRE HYDRANT
 - 11 PROTECT IN PLACE EXISTING DRIVEWAY
 - 12 REMOVE/REPLACE TO GRADE UTILITY BOX
 - 13 PROTECT IN PLACE EXISTING STORM STRUCTURE.
 - 14 REMOVE EXISTING STORM STRUCTURE
 - 15 PROTECT IN PLACE EXISTING HOME/GARAGE.
 - 16 PROTECT IN PLACE EXISTING UNDERGROUND UTILITY
 - 17 EXISTING STORM DRAIN JUNCTION BOX.
 - 18 REMOVE EXISTING AC
 - 19 PROTECT IN PLACE EXISTING PORCH WITH STAIRS
 - 20 SURVEYOR TO PROTECT/ RE-SET MONUMENT DISK BEFORE ANY DEMOLITION. CONTRACTOR SURVEYOR SHALL PREPARE AND FILE ALL APPROPRIATE DOCUMENTATION
 - 21 DEMO 12" VCP

FOR CONTINUATION SEE SHEET C30

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

DATE SIGNED: 11/09/14

CLIENT: CITY OF ALBANY

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA

**PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY
 SCHOOL**

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

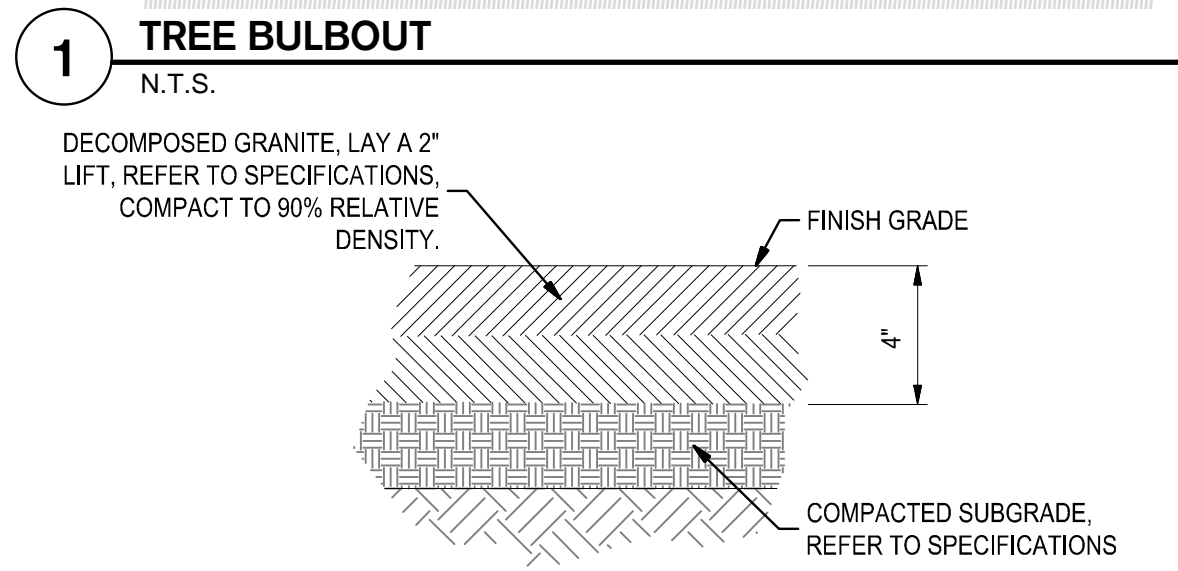
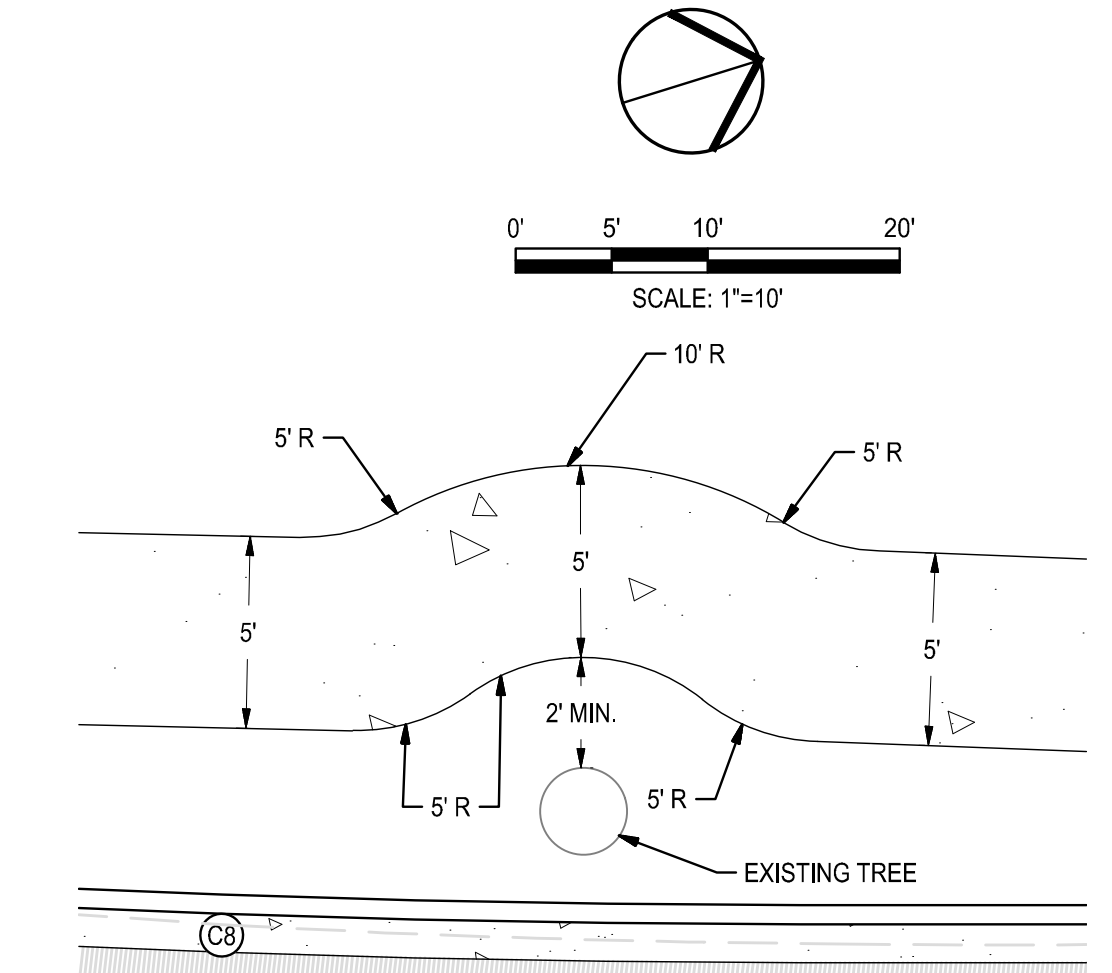
**EXISTING CONDITIONS &
 DEMOLITION PLAN**

DRAWING: **C3.1** SHEET No. 4 OF 13

100% DESIGN DOCUMENTS

LEGEND:

- PAVEMENT:
INSTALL 12" AC DEEPLIFT, UNLESS OTHERWISE NOTED
- CONCRETE SIDEWALK / IMPROVEMENTS:
SIDEWALK: 4" PCC OVER 4" AB. (STITOST7)
DRIVEWAY: 6" PCC OVER 6" AB.
- DG (DECOMPOSED GRANITE):
INSTALL DECOMPOSED GRANITE FILL PER DETAIL 2 SHEET C4.0
- RW (RIGHT OF WAY LINE)



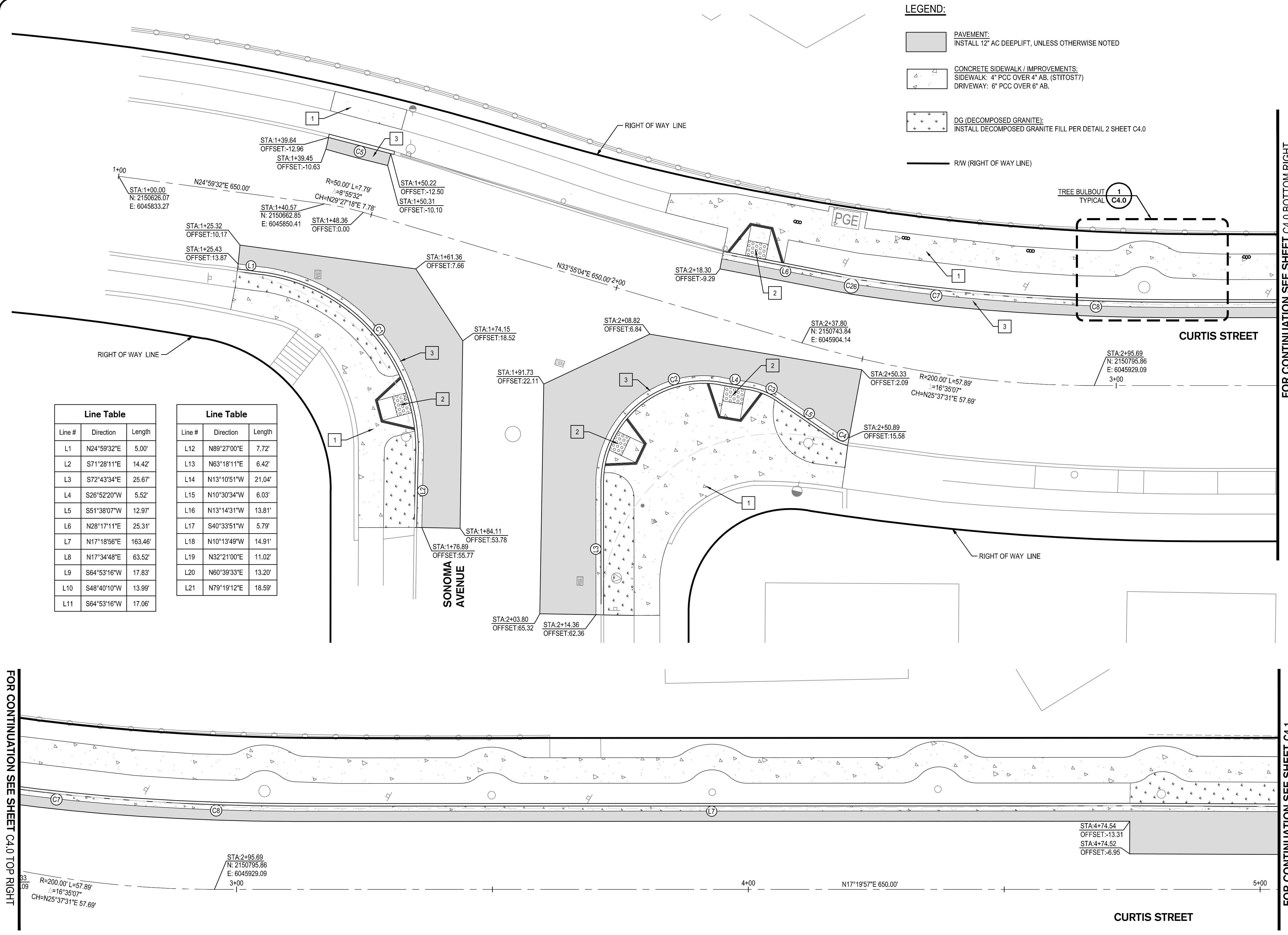
1 TREE BULBOUT
N.T.S.

2 DECOMPOSED GRANITE
N.T.S.

- KEY NOTES:**
- 1 INSTALL CONCRETE SIDEWALK PER CITY OF ALBANY STANDARD DETAIL ST-2
 - 2 INSTALL CURB RAMP PER CALTRANS STANDARD DETAIL A88A
 - 3 INSTALL CURB AND GUTTER PER CITY OF ALBANY STANDARD DETAIL ST-1

Curve Table				
Curve #	Length	Radius	Delta	Chord Bearing
C1	51.03	35.00	83°32'17"	N66°45'40"E 46.63'
C2	34.77	20.00	99°35'55"	S22°55'37"E 30.55'
C3	6.48	15.00	24°45'47"	S39°15'13"W 6.43'
C4	3.12	7.50	23°49'57"	S39°43'08"W 3.10'
C5	13.20	73319.29	0°00'37"	N31°55'21"E 13.20'
C7	32.31	370.84	4°59'30"	N23°32'27"E 32.30'
C8	30.09	480.17	3°35'25"	N19°17'39"E 30.08'
C9	52.11	22.50	132°41'32"	N48°45'58"W 41.22'
C10	5.66	20.00	16°13'06"	S56°46'43"W 5.64'
C11	5.66	20.00	16°13'06"	S56°46'43"W 5.64'
C12	9.13	20.00	26°08'49"	N76°22'35"E 9.05'
C13	9.13	20.00	26°08'49"	N76°22'35"E 9.05'
C14	26.70	20.00	76°29'02"	N25°03'40"E 24.76'
C15	37.10	20.00	106°16'14"	N66°22'38"W 32.00'
C16	6.95	20.00	19°55'24"	S50°31'33"W 6.92'
C17	7.17	20.00	20°31'39"	S50°49'40"W 7.13'
C18	14.86	20.00	42°34'50"	N11°03'36"E 14.52'
C19	9.88	20.00	28°18'33"	N46°30'17"E 9.78'
C20	6.51	20.00	18°39'39"	N69°59'22"E 6.49'
C26	0.94	370.84	0°08'42"	N26°06'33"E 0.94'

Line Table			Line Table		
Line #	Direction	Length	Line #	Direction	Length
L1	N24°59'32"E	5.00'	L12	N89°27'00"E	7.72'
L2	S71°28'11"E	14.42'	L13	N63°18'11"E	6.42'
L3	S72°43'34"E	25.67'	L14	N13°10'51"W	21.04'
L4	S26°52'20"W	5.52'	L15	N10°30'34"W	6.03'
L5	S51°38'07"W	12.97'	L16	N13°14'31"W	13.81'
L6	N28°17'11"E	25.31'	L17	S40°33'51"W	5.79'
L7	N17°18'56"E	163.46'	L18	N10°13'49"W	14.91'
L8	N17°34'48"E	63.52'	L19	N32°21'00"E	11.02'
L9	S64°53'16"W	17.83'	L20	N60°39'33"E	13.20'
L10	S48°40'10"W	13.99'	L21	N79°19'12"E	18.59'
L11	S64°53'16"W	17.06'			



FOR CONTINUATION SEE SHEET C4.0 TOP RIGHT

FOR CONTINUATION SEE SHEET C4.1

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

SIEGFRIED

3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

DATE SIGNED: 11/09/14

CLIENT: CITY OF ALBANY

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA

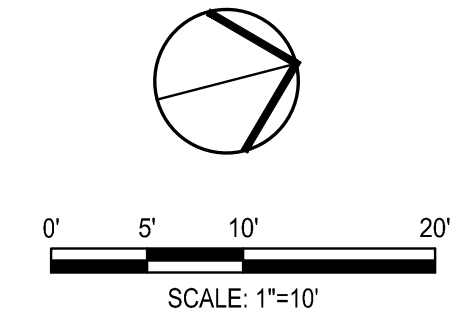
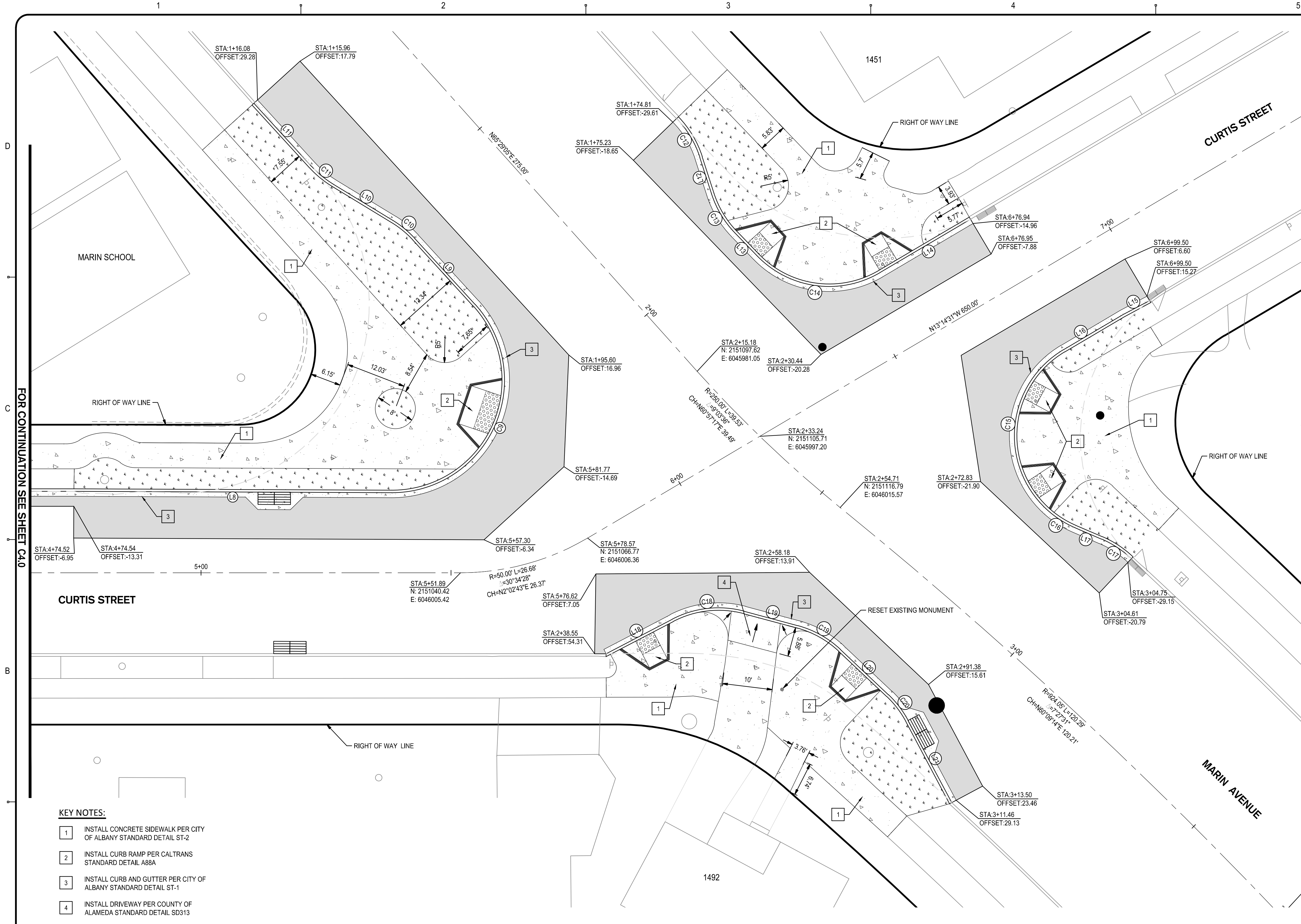
PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY SCHOOL

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

PAVING & DIMENSIONING PLAN

DRAWING: **C4.0** SHEET No. 5 OF 13

100% DESIGN DOCUMENTS



LEGEND:

- PAVEMENT:
INSTALL 12" AC DEEPLIFT, UNLESS OTHERWISE NOTED
- CONCRETE SIDEWALK / IMPROVEMENTS:
SIDEWALK: 4" PCC OVER 4" AB. (STITOST7)
DRIVEWAY: 6" PCC OVER 6" AB.
- DG (DECOMPOSED GRANITE):
INSTALL DECOMPOSED GRANITE FILL PER DETAIL 2 SHEET C4.0
- R/W (RIGHT OF WAY LINE)

Line Table		
Line #	Direction	Length
L1	N24°59'32"E	5.00'
L2	S71°28'11"E	14.42'
L3	S72°43'34"E	25.67'
L4	S26°52'20"W	5.52'
L5	S51°38'07"W	12.97'
L6	N28°17'11"E	25.31'
L7	N17°18'56"E	163.46'
L8	N17°34'48"E	63.52'
L9	S64°53'16"W	17.83'
L10	S48°40'10"W	13.99'
L11	S64°53'16"W	17.06'

Line Table		
Line #	Direction	Length
L12	N89°27'00"E	7.72'
L13	N63°18'11"E	6.42'
L14	N13°10'51"W	21.04'
L15	N10°30'34"W	6.03'
L16	N13°14'31"W	13.81'
L17	S40°33'51"W	5.79'
L18	N10°13'49"W	14.91'
L19	N32°21'00"E	11.02'
L20	N60°39'33"E	13.20'
L21	N79°19'12"E	18.59'

Curve Table				
Curve #	Length	Radius	Delta	Chord Bearing
C1	51.03	35.00	83°32'17"	N66°45'40"E 46.63'
C2	34.77	20.00	99°35'55"	S22°55'37"E 30.55'
C3	6.48	15.00	24°45'47"	S39°15'13"W 6.43'
C4	3.12	7.50	23°49'57"	S39°43'08"W 3.10'
C5	13.20	73319.29	0°00'37"	N31°55'21"E 13.20'
C7	32.31	370.84	4°59'30"	N23°32'27"E 32.30'
C8	30.09	480.17	3°35'25"	N19°17'39"E 30.08'
C9	52.11	22.50	132°41'32"	N48°45'58"W 41.22'
C10	5.66	20.00	16°13'06"	S56°46'43"W 5.64'
C11	5.66	20.00	16°13'06"	S56°46'43"W 5.64'
C12	9.13	20.00	26°08'49"	N76°22'35"E 9.05'
C13	9.13	20.00	26°08'49"	N76°22'35"E 9.05'
C14	26.70	20.00	76°29'02"	N25°03'40"E 24.76'
C15	37.10	20.00	106°16'14"	N66°22'38"W 32.00'
C16	6.95	20.00	19°55'24"	S50°31'33"W 6.92'
C17	7.17	20.00	20°31'39"	S50°49'40"W 7.13'
C18	14.86	20.00	42°34'50"	N11°03'36"E 14.52'
C19	9.88	20.00	28°18'33"	N46°30'17"E 9.78'
C20	6.51	20.00	18°39'39"	N89°59'22"E 6.49'
C26	0.94	370.84	0°08'42"	N26°06'33"E 0.94'

- KEY NOTES:**
- 1 INSTALL CONCRETE SIDEWALK PER CITY OF ALBANY STANDARD DETAIL ST-2
 - 2 INSTALL CURB RAMP PER CALTRANS STANDARD DETAIL A88A
 - 3 INSTALL CURB AND GUTTER PER CITY OF ALBANY STANDARD DETAIL ST-1
 - 4 INSTALL DRIVEWAY PER COUNTY OF ALAMEDA STANDARD DETAIL SD313

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214
 DATE SIGNED: 11/09/14

CLIENT: CITY OF ALBANY

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE: _____

ALBANY, CA

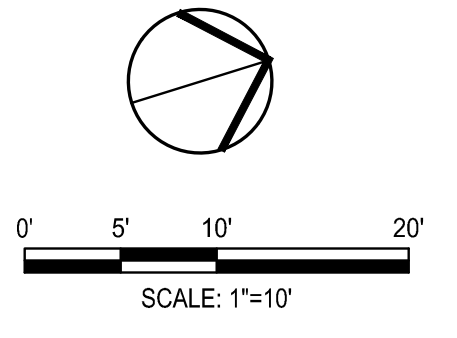
**PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY
 SCHOOL**

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

**PAVING & DIMENSIONING
 PLAN**

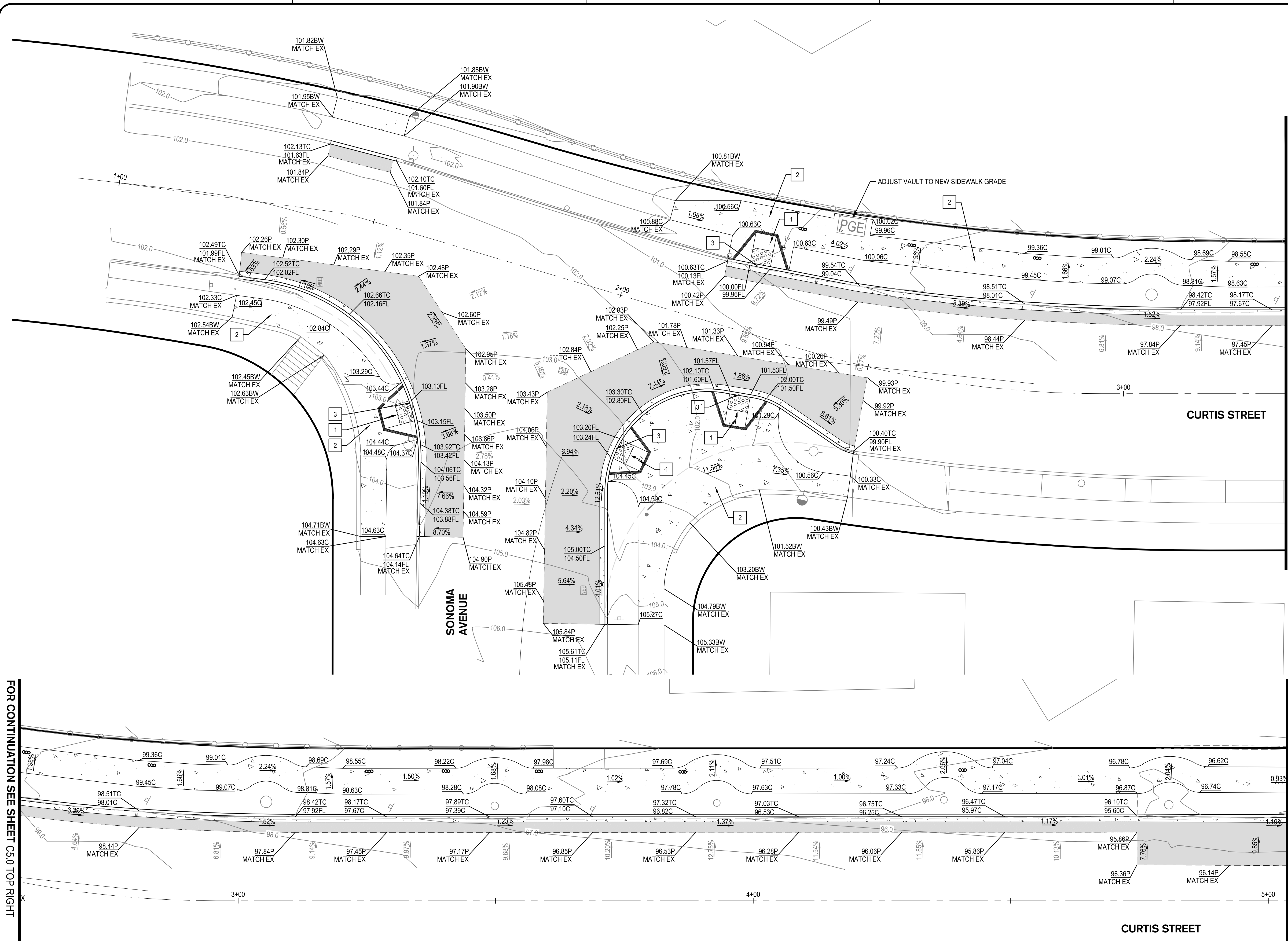
DRAWING: **C4.1** SHEET No. 6 OF 13

100% DESIGN DOCUMENTS



KEY NOTES:

- 1 1:12 MAX
- 2 2% MAX CROSS SLOPE
- 3 1% MAX CROSS SLOPE AT RAMP GUTTER PAN



FOR CONTINUATION SEE SHEET C5.0 BOTTOM RIGHT

FOR CONTINUATION SEE SHEET C5.1

FOR CONTINUATION SEE SHEET C5.0 TOP RIGHT

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

SIEGFRIED

3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214

REGISTERED PROFESSIONAL ENGINEER
 PAUL J. SCHMEIDER
 No. 62498
 Exp. 09/30/15
 CIVIL
 STATE OF CALIFORNIA

DATE SIGNED: 11/09/14

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA

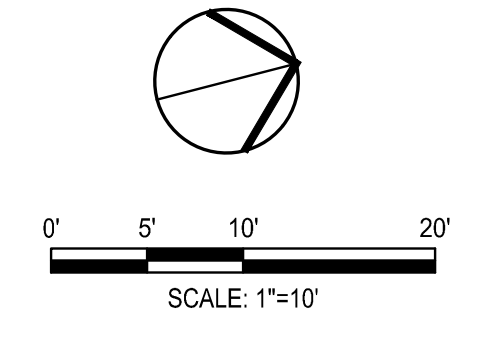
**PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY
 SCHOOL**

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

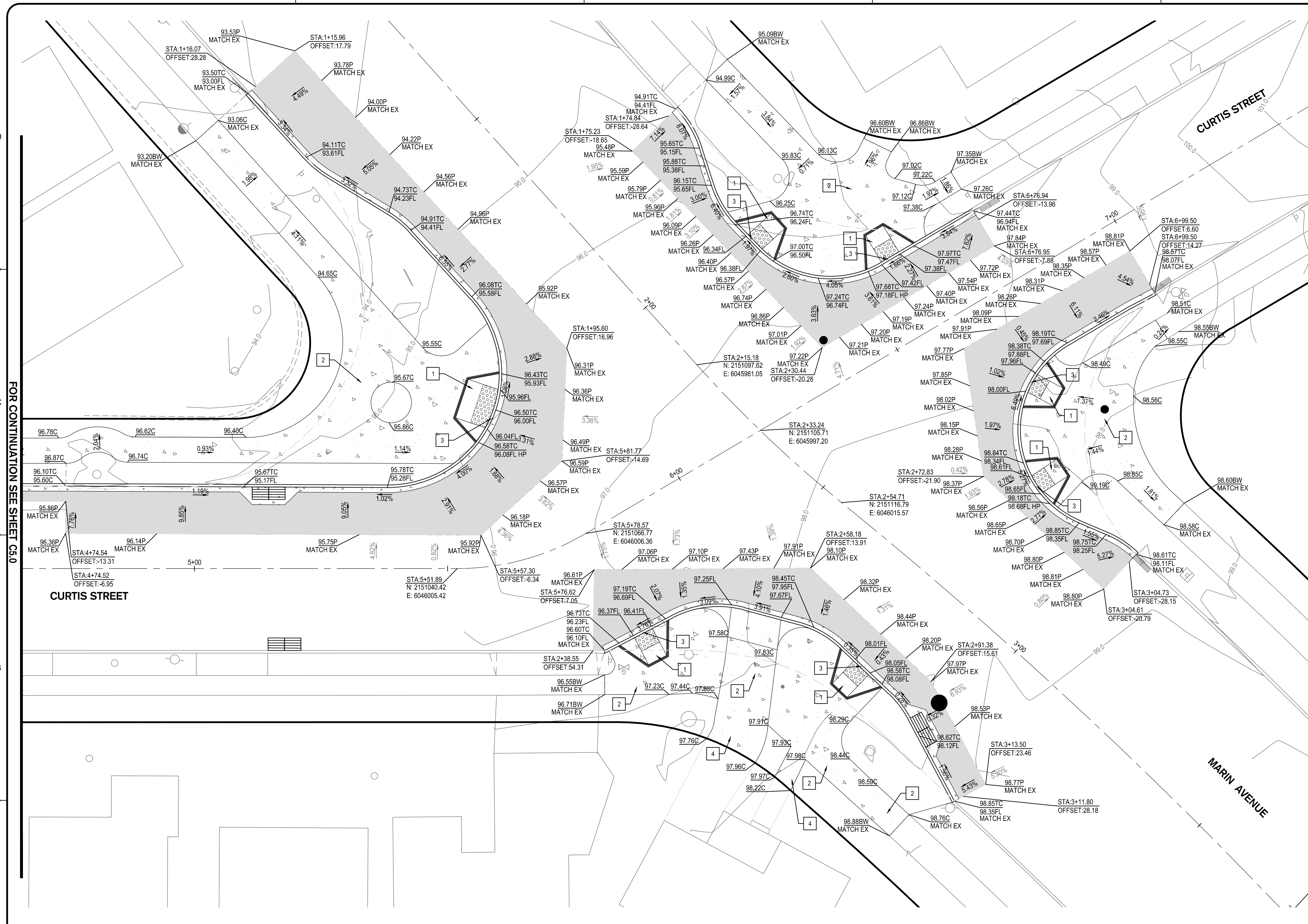
GRADING PLAN

DRAWING: **C5.0** SHEET No. 7 OF 13

100% DESIGN DOCUMENTS



- KEY NOTES:**
- 1 1:12 MAX
 - 2 2% MAX CROSS SLOPE
 - 3 1% MAX CROSS SLOPE AT RAMP GUTTER PAN
 - 4 5% MAX



FOR CONTINUATION SEE SHEET C5.0

REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

SIEGFRIED

3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fax: 209-942-0214

DATE SIGNED: 11/09/14

CLIENT:

CITY OF ALBANY
 NORTHERN GATEWAY TO BLAIR COUNTY

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA

**PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY
 SCHOOL**

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

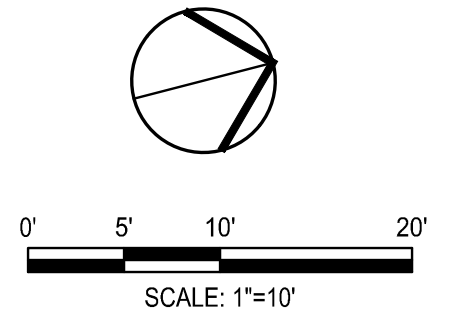
GRADING PLAN

DRAWING: **C5.1** SHEET No. 8 OF 13

100% DESIGN DOCUMENTS



- NOTES:**
- 1 NEW CORRUGATED METAL ARCH PIPE (CMPA) PER AASHTO M190. 17"x13" WITH 2-2/3"x1/2" CORRUGATION.
 - 2 CONSTRUCT NEW TYPE "B" INLET PER CONTRA COSTA COUNTY STANDARD DETAIL CD211.
 - 3 ADJUST EXISTING VALVE BOX
 - 4 ADJUST EXISTING UTILITY BOX AND COVER TO GRADE.
 - 5 PROTECT IN PLACE EXISTING TREE.
 - 6 PROTECT IN PLACE EXISTING MAINLINE / INLET.
 - 7 INSTALL TYPE I MANHOLE PER CONTRA COSTA COUNTY STANDARD DETAIL 30.31
 - 8 INSTALL 5 LF 17"x13" CMPA @ S=0.01.
 - 9 INSTALL NEW TYPE II MANHOLE PER CONTRA COSTA COUNTY STANDARD DETAIL 3, CD311, CD301
 - 10 CONTRACTOR TO EXPOSE AND POTHOLE EXISTING STORM MAIN PRIOR TO COMMENCING WORK. IF DISCREPANCIES EXIST CONTACT THE PROJECT MANAGER IMMEDIATELY.
 - 11 CONNECT TO EXISTING STORM MANHOLE.
 - 12 RECONNECT EXISTING INLET TO NEW CMPA
 - 13 CONTRACTOR SHALL POTHOLE EXISTING UTILITIES PRIOR TO THE START OF THE STORM IMPROVEMENTS TO VERIFY NO CONFLICTS EXIST WITH THE DESIGN.
 - 14 RECONNECT EXISTING CURB DRAIN AND EXTEND TO NEW CURB PER CITY OF ALBANY STANDARD DETAIL NO. SD-513.



REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

SIEGFRIED
 3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214
 DATE SIGNED: 11/09/14

CLIENT: CITY OF ALBANY

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA

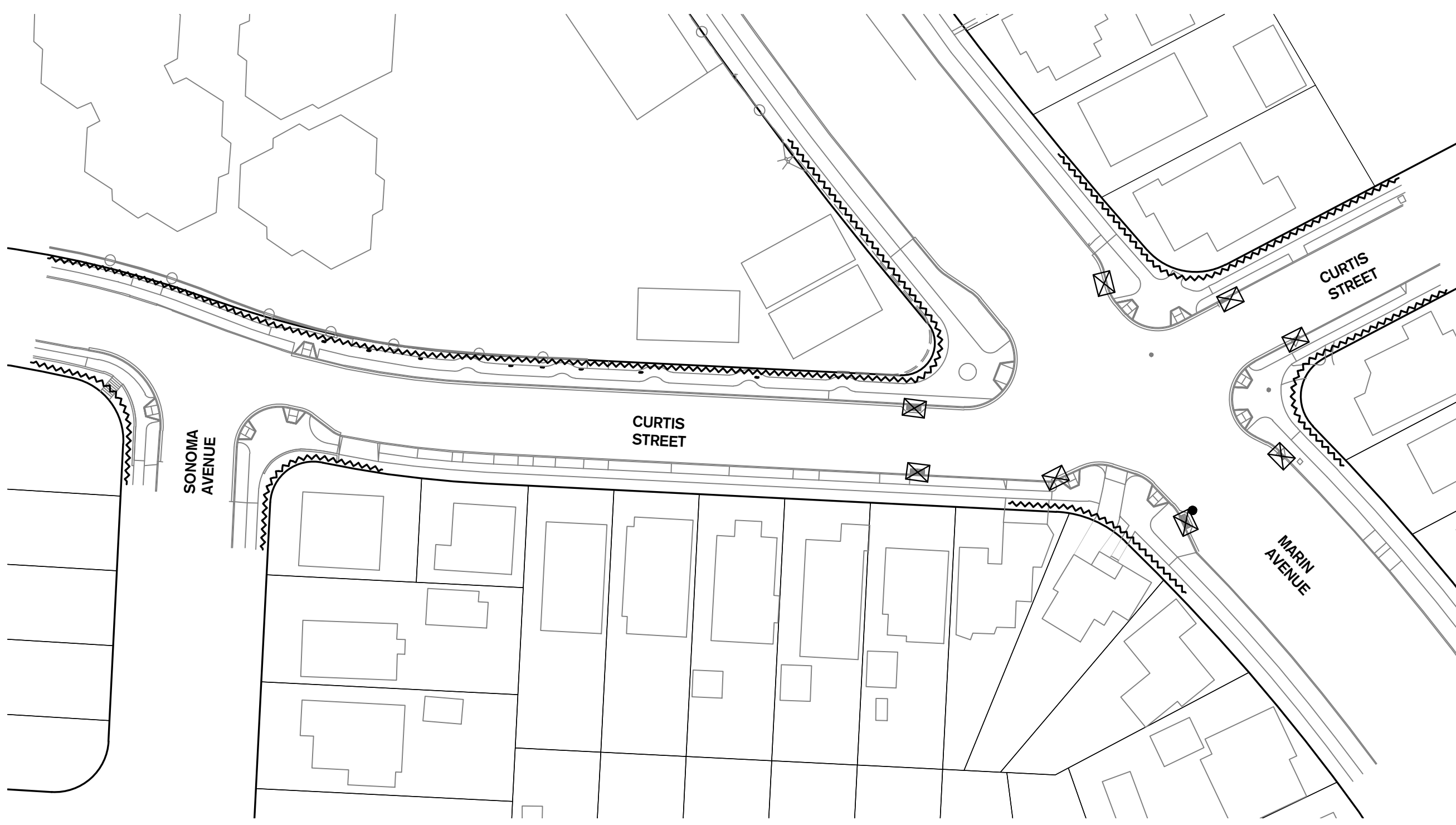
**PEDESTRIAN IMPROVEMENTS
 EAST SIDE OF MARIN ELEMENTARY
 SCHOOL**

City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

UTILITY PLAN

DRAWING: **C6.0** SHEET No. 10 OF 13

100% DESIGN DOCUMENTS



EROSION CONTROL PLAN

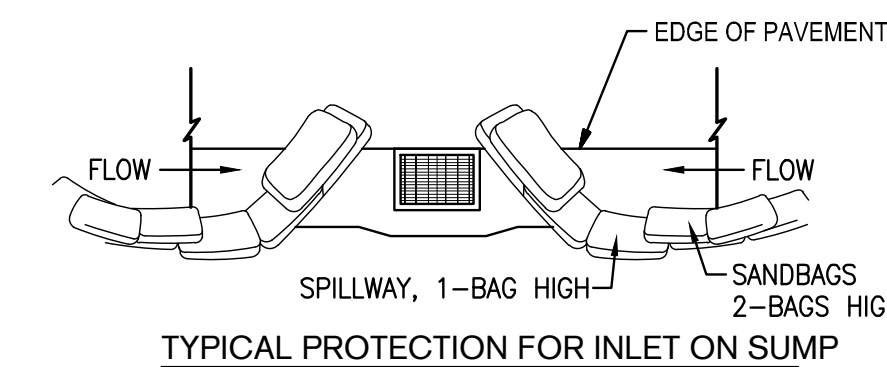
EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
	FIBER ROLLED WATTLE DETAIL 2
	DRAIN INLET PROTECTION TYPE 3 DETAIL 4
	UNCOMPLETED DRAIN INLET PROTECTION TYPE 2 DETAIL 6
	STRAW WITH BINDER
	STABILIZED CONSTRUCTION ENTRANCE TC-(1)(3) DETAIL 1
	CONCRETE WASHOUT DETAIL 3

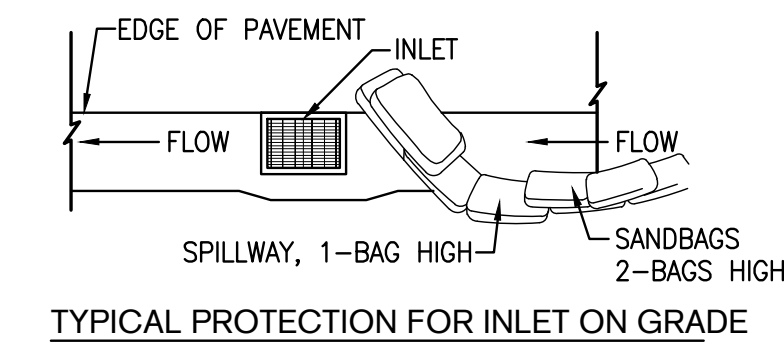
EROSION CONTROL GENERAL NOTES

- PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW ALL OFFSETS. THE SITE IS DYNAMIC AND CHANGES ON A DAILY BASIS. CHANGES SHOULD BE MADE ACCORDING TO EXISTING CONDITIONS. BECAUSE IT IS IMPOSSIBLE TO PREDICT ALL POSSIBLE SITUATIONS, CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES TO ENSURE QUALITY CONTROL.
- THE CONTRACTOR SHALL REVIEW THE CURRENT STORM WATER POLLUTION PREVENTION PLAN (SWPPP). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY FOR CONDUCTING HIS/HER OPERATIONS IN ADHERENCE TO THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES, DELAYS, AND/OR DAMAGES RESULTING FROM ANY STATE WATER QUALITY CONTROL BOARD SANCTIONS CAUSED BY THE OPERATION OF THE CONTRACTOR OF HIS/HER SUBCONTRACTORS.
- THE FOLLOWING PLANS ARE ACCURATE FOR EROSION CONTROL PURPOSES ONLY. THE CONTRACTOR SHALL FOLLOW THESE PLANS UNLESS FIELD CONDITIONS DICTATE MODIFICATION. IF MODIFICATION IS NECESSARY, A SWPPP AMENDMENT MUST BE DONE. THIS MAY REQUIRE MODIFICATION TO THESE DRAWINGS AND ENGINEER CONCURRENCE.
- INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM PAVEMENT OF ROAD.
- UNFINISHED AND DISTURBED ARE TO BE PROTECTED WITH AN APPLICATION OF BLOWN STRAW AND ORGANIC BINDER.

ITEM	LB/ACRE
STRAW	4,000
ORGANIC BINDER	200
- ALTERNATE INLET PROTECTION SHALL BE USED ON ROADS OPEN TO THE PUBLIC IF ANY HAZARDOUS MATERIALS OR WASTES WHICH HAVE BEEN TREATED, STORED, DISPOSED, SPILLED, OR LEAKED IN SIGNIFICANT QUANTITIES ONTO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE THEM FROM THE SITE AND DISPOSE OF PROPERLY.
- CHLORINATED OR DECHLORINATED WATER SHALL NOT BE DISCHARGED INTO THE STORM DRAIN SYSTEM. THE CONTRACTOR MAY DISPOSE THIS WATER INTO THE SANITARY SEWER SYSTEM UPON APPROVAL BY THE GOVERNING AGENCY.
- THE CONTRACTOR SHALL KEEP MAINTENANCE, INSPECTION, AND REPAIR PROCEDURES TO ENSURE THAT ALL GRADED SURFACES, WALLS, BERMS, DRAINAGE STRUCTURES, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER CONTROLS ARE MAINTAINED IN GOOD AND EFFECTIVE CONDITION AND ARE PROMPTLY REPAIRED OR RESTORED WHEN NECESSARY. ANY DEWATERING WATER SHALL NOT BE DISCHARGED DIRECTLY INTO THE STORM WATER SYSTEM, AND SHALL NOT BE DISCHARGED INTO THE SEWER SYSTEM.
- ALL DEWATERING WATER MUST BE CHANNLED THROUGH AN APPROVED SEDIMENT BARRIER PRIOR TO THE WATER ENTERING THE STORM SYSTEM.
- PAVEMENT CLEANING- FLUSHING OF STREETS/ PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED. PREFERABLY, AREAS REQUIRING CLEANING SHOULD BE SWEEPED.
- ALL STOCKPILES OF MATERIALS THAT ARE NOT GOING TO BE USED FOR 14 DAYS SHALL BE COVERED.
- CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) THROUGHOUT CONSTRUCTION. USE ALL BMPs THAT APPLY TO THE PROJECT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING BMPs:
 - DRAIN INLET PROTECTION - CALIFORNIA STORMWATER BMP HANDBOOK SECTION SE-10
 - SOLID WASTE MANAGEMENT - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-5
 - MATERIAL STORAGE - CALIFORNIA STORMWATER BMP HANDBOOK SECTION WM-1
 - PAVING - CALIFORNIA STORMWATER BMP HANDBOOK SECTION NS-3
 - DUST CONTROL, SEDIMENT CONTROL, EROSION CONTROL AND CONCRETE WASHOUT AREAS - SHOWN ON THIS SHEET WITH DETAILS



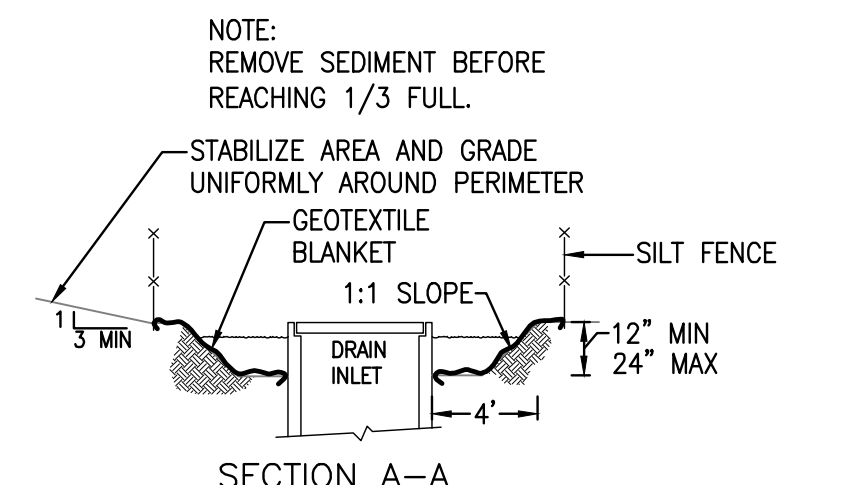
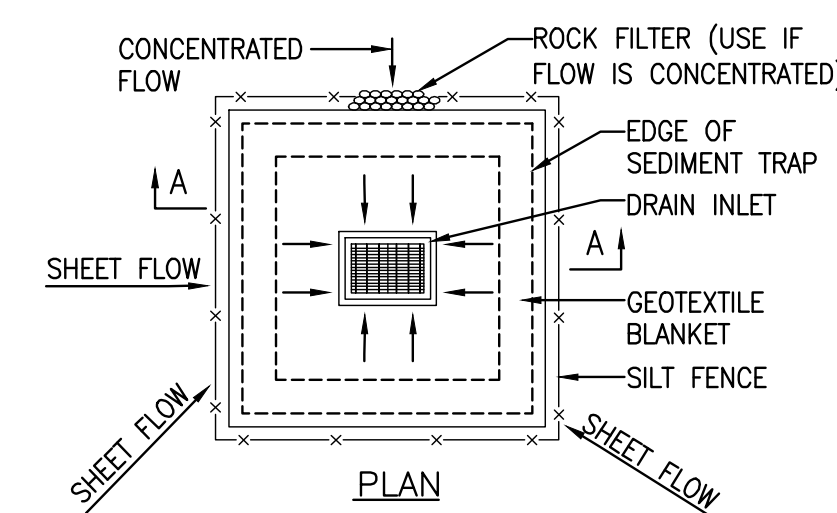
TYPICAL PROTECTION FOR INLET ON SUMP



TYPICAL PROTECTION FOR INLET ON GRADE

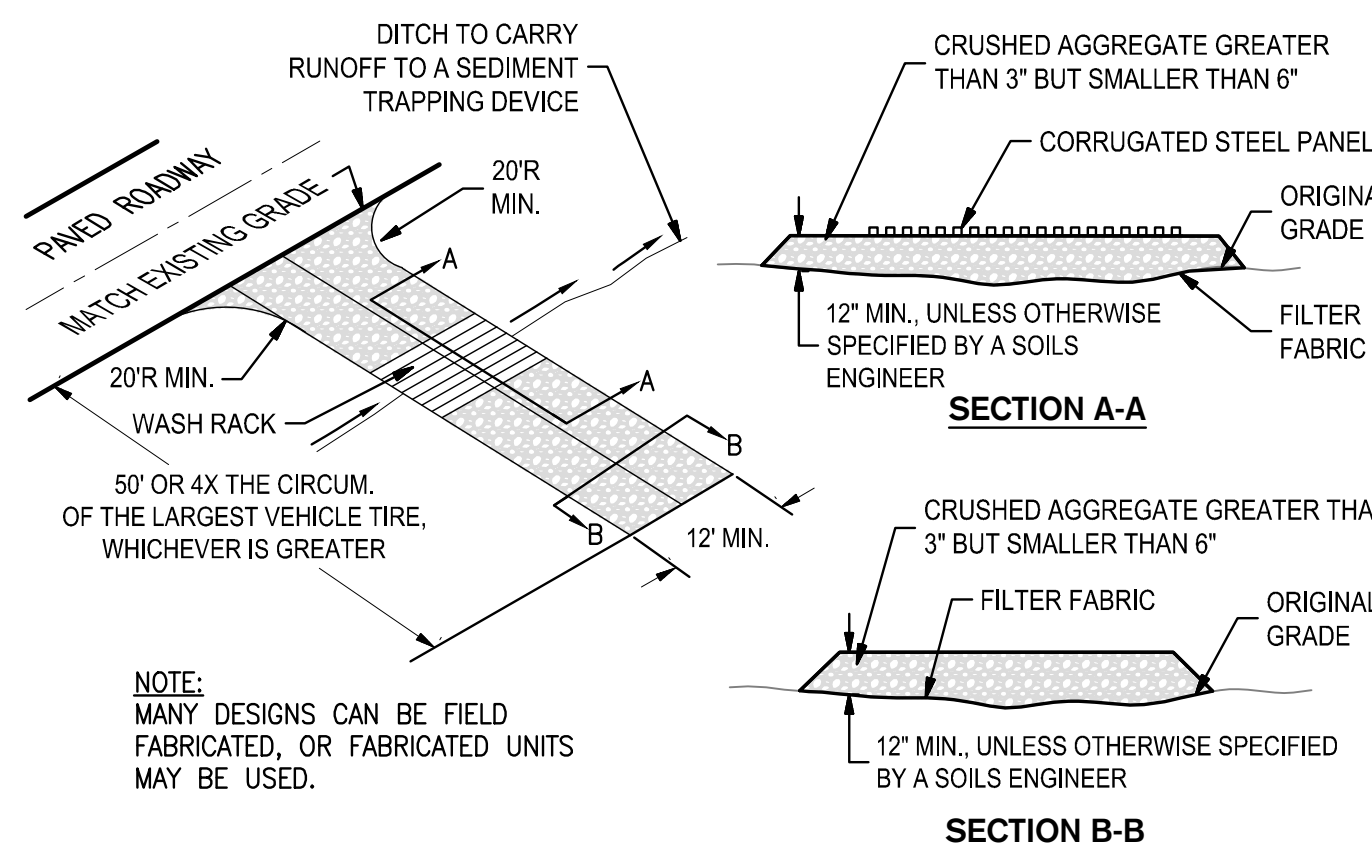
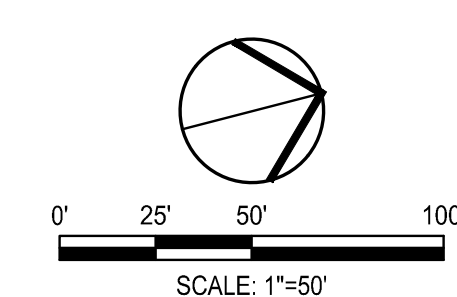
- NOTES:
- INTENDED FOR SHORT-TERM USE.
 - USE TO INHIBIT NON-STORM WATER FLOW.
 - ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
 - BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
 - NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

5 DROP INLET PROTECTION TYPE 3
SCALE: NTS

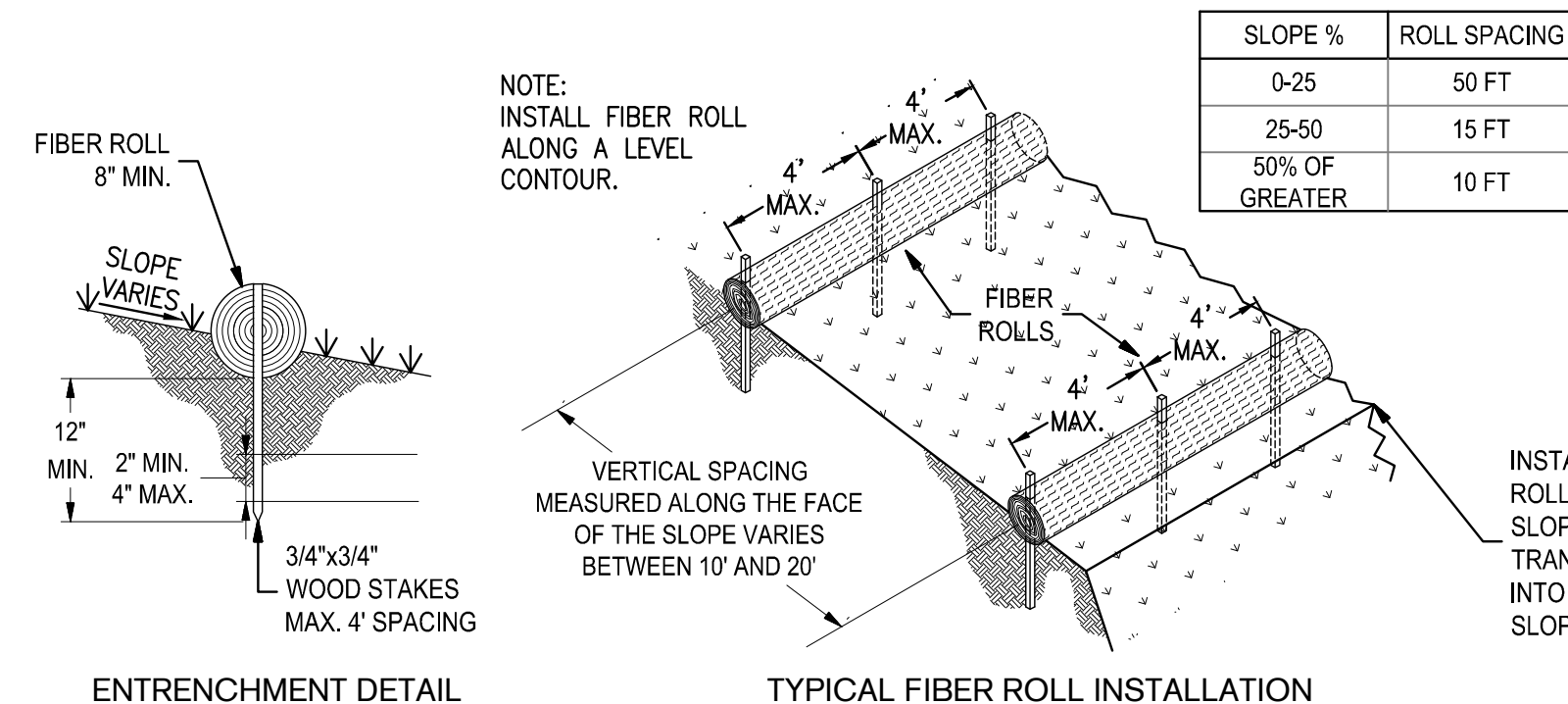


- NOTES:
- FOR USE IN CLEARED AND GRUBBED AND IN GRADED AREAS.
 - SHAPE BASIN SO THAT LONGEST INFLOW AREA FACES LONGEST LENGTH OF TRAP.
 - FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATION WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

6 DI PROTECTION - TYPE 2
SCALE: NTS

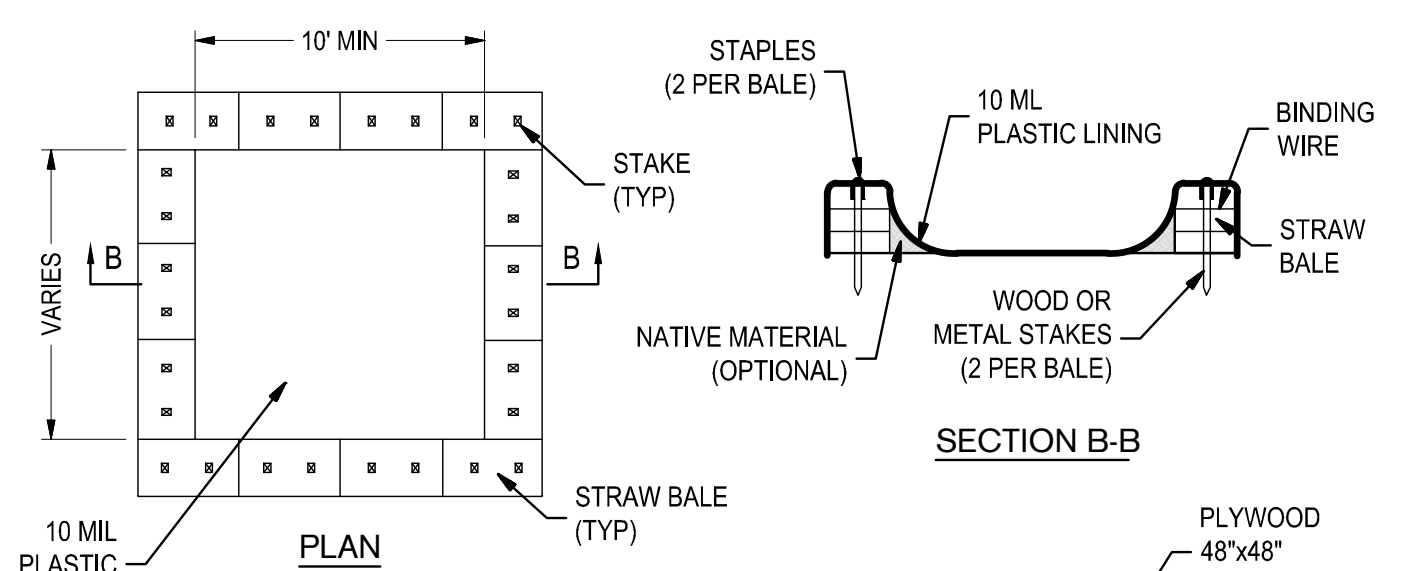


1 STABILIZED CONSTRUCTION ENTRANCE/OUTLET TIRE WASH
SCALE: NTS

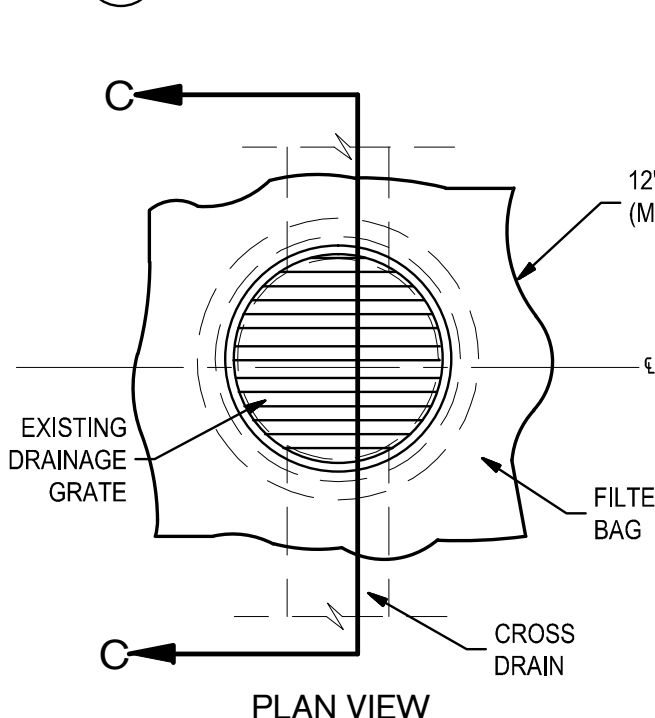


2 FIBER ROLLS
SCALE: NTS

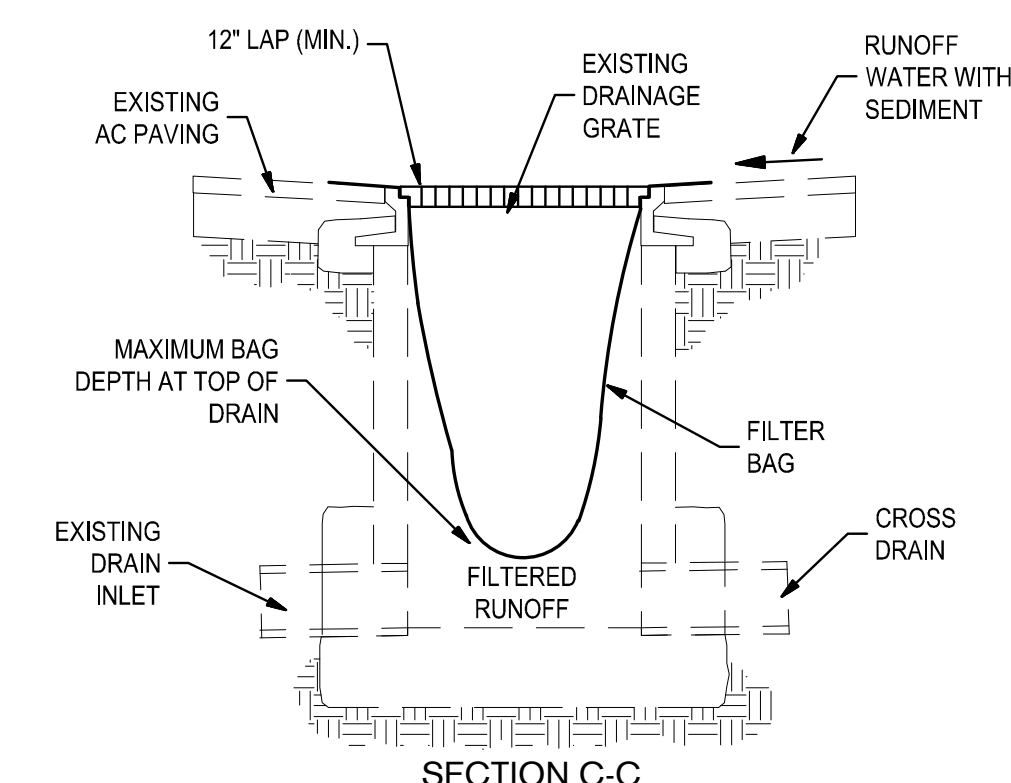
SLOPE %	ROLL SPACING
0-25	50 FT
25-50	15 FT
50% OF GREATER	10 FT



3 CONCRETE WASHOUT
SCALE: NTS



4 TEMPORARY GRAVEL BAG FILTER AT DROP INLET
SCALE: NTS



REV	DATE	DESCRIPTION

DESIGNED BY: AKM
 DRAWN BY: AKM
 CHECKED BY: PJS
 REVIEWED BY:
 DATE: June 16, 2014

REGISTRATION:

 CIVIL ENGINEERING
 STRUCTURAL ENGINEERING
 ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 SURVEYING
 3244 Brookside Road, Suite 100 Stockton, California 95219
 209-943-2021 www.siegfriedeng.com Fx: 209-942-0214
 DATE SIGNED: 11/09/14

CLIENT:

 REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

 RAY CHAN, CITY ENGINEER.
 DATE:

ALBANY, CA
PEDESTRIAN IMPROVEMENTS EAST SIDE OF MARIN ELEMENTARY SCHOOL
 City of Albany Contract No. C13-23
 Caltrans Project No. SRTS10-04-ALBANY-1

EROSION CONTROL PLAN
 DRAWING: **C7.0**
 SHEET No. 13 OF 13

100% DESIGN DOCUMENTS

GENERAL NOTES: (PD-01 & PD-02)

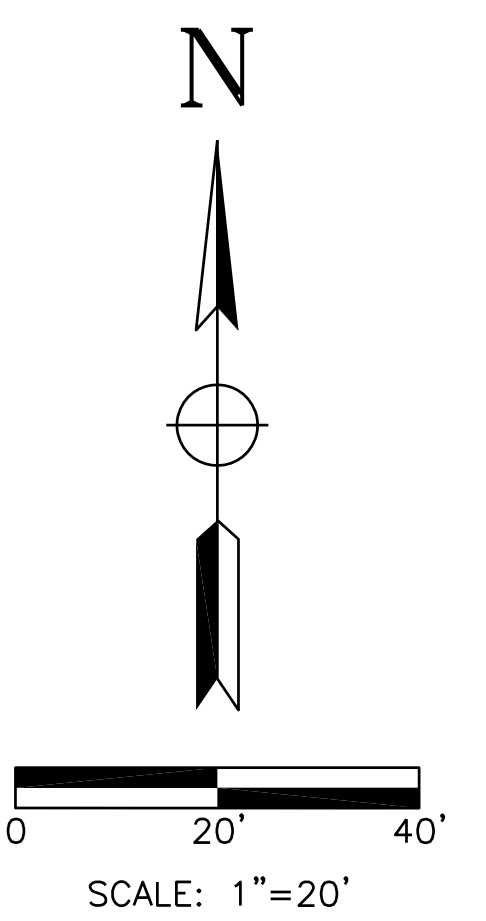
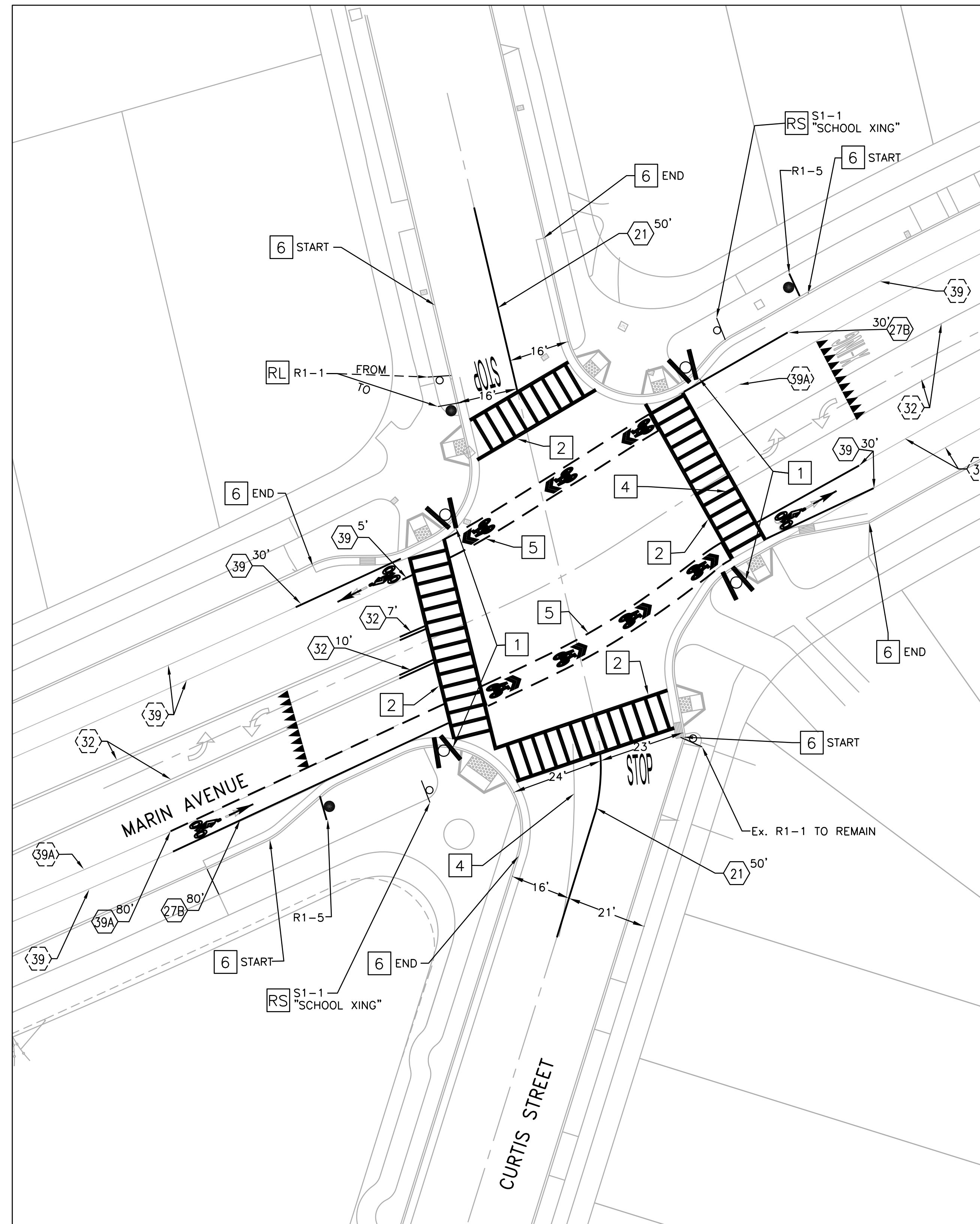
1. ALL STRIPING AND PAVEMENT MARKING SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
2. REMOVE EXISTING STRIPING WHERE IN CONFLICT WITH PROPOSED STRIPING.
3. LOCATION AND POSITION OF SIGNS SHALL BE MARKED, VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
4. STRIPING DETAILS AND PAVEMENT MARKING DIMENSIONS SHALL BE PER CALTRANS STANDARD PLANS A20A-A20D AND A24A-A24E.
5. THIS PLAN ACCURATE FOR SIGNING AND STRIPING ONLY.
6. ADJUST RECTANGULAR FLASHING BEACON SIGN SOLAR PANEL TO FACE SOUTH AND TILT 55 DEGREES ZENITH OR AS DIRECTED BY THE ENGINEER. HEIGHT OF SOLAR PANEL SHALL BE AS RECOMMENDED BY MANUFACTURER OR AS DIRECTED BY THE ENGINEER.
7. APPLY SEAL COAT ON ALL GRINDED AREAS PRIOR TO PLACING PERMANENT STRIPING AND MARKINGS.

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 1 FURNISH AND INSTALL DUAL LIGHTBAR RAPID FLASHING RECTANGULAR BEACON WITH S1-1 AND W16-7p SIGNS AND ADA PUSHBUTTON ON 1-B POLE.
- 2 INSTALL 11' O.C. YELLOW CROSSWALK. OUTER EDGES SHALL BE 12", TRANSVERSE MARKINGS SHALL BE 12" SPACED 3' O.C.
- 3 INSTALL 12" WHITE LIMIT LINE.
- 4 REMOVE EXISTING PAVEMENT STRIPE.
- 5 INSTALL DETAIL 40.
- 6 PAINT CURB RED

LEGEND:

- SOLAR POWERED RECTANGULAR RAPID FLASH BEACON SIGN
- ROADSIDE SIGN ON METAL POLE
- PROPOSED CALTRANS PAVEMENT DELINEATION DETAIL NUMBER
- EXISTING CALTRANS PAVEMENT DELINEATION DETAIL NUMBER
- EXISTING ROADSIDE SIGN ON METAL POLE
- BIKE LANE SYMBOL
- YIELD MARKING
- SHARED LANE MARKING



**99% SUBMITTAL
NOT FOR CONSTRUCTION**

REV	DATE	DESCRIPTION

DESIGNED BY:	RP
DRAWN BY:	RP
CHECKED BY:	AP
REVIEWED BY:	AP
DATE:	June 17, 2014

REGISTRATION:

TJKM Transportation Consultants
4305 Hacienda Drive, Suite 550
Pleasanton, CA 94588
Phone: (925) 463-0611 Fax: (925) 463-3690
email: tjkm@tjkm.com

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN
CITY ENGINEER
DATE: _____

ALBANY, CA

Marin Avenue/Curtis Street
Safety Improvements

City of Albany Contract No. 14-12
Caltrans Project No. SR2SL-5178(014)





PAVEMENT DELINEATION AND SIGNAGE PLAN
MARIN AVE / CURTIS ST

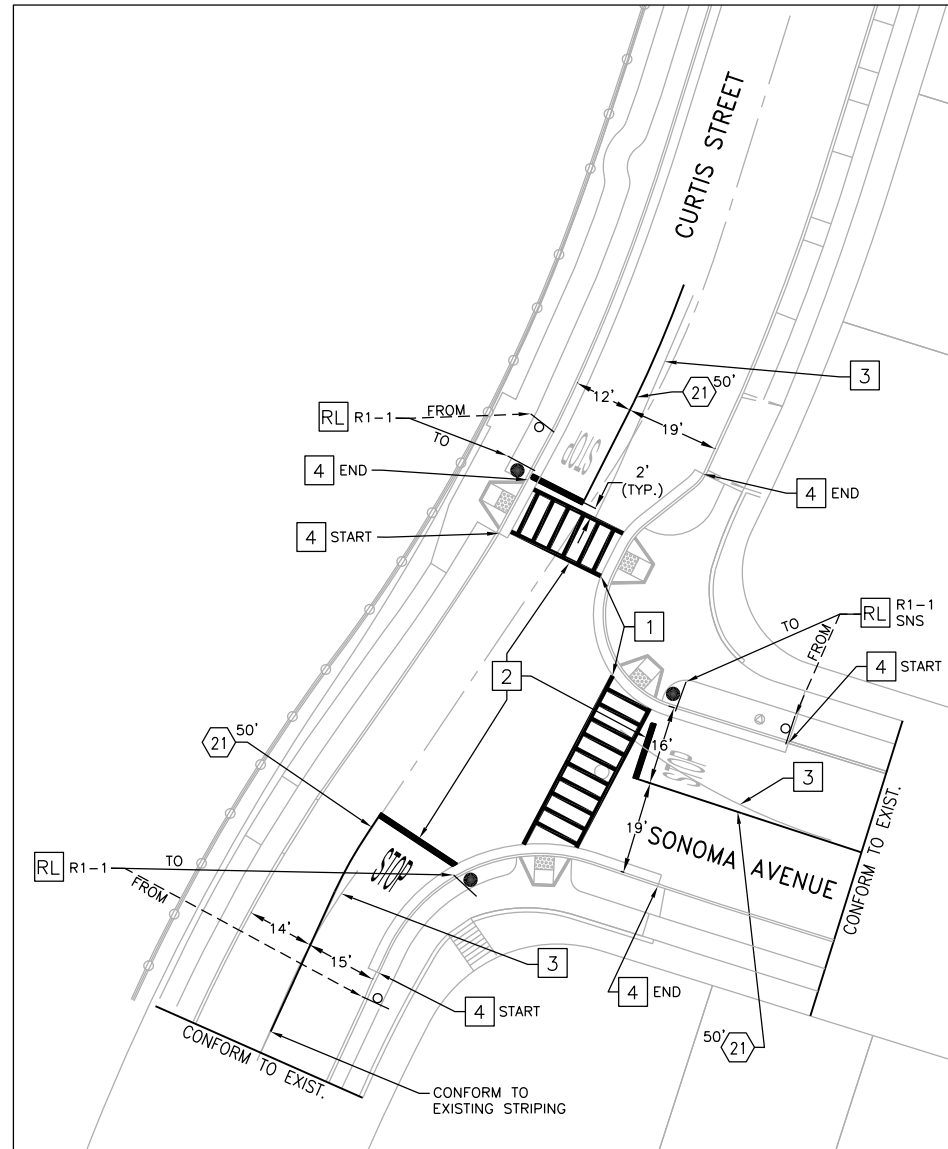
DRAWING: PD-01 SHEET No. 1 OF 3

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 1 INSTALL 11' O.C. YELLOW CROSSWALK. OUTER EDGES SHALL BE 12", TRANSVERSE MARKINGS SHALL BE 12" SPACED 3' O.C.
- 2 INSTALL 12" WHITE LIMIT LINE.
- 3 REMOVE EXISTING PAVEMENT STRIPE.
- 4 PAINT CURB RED

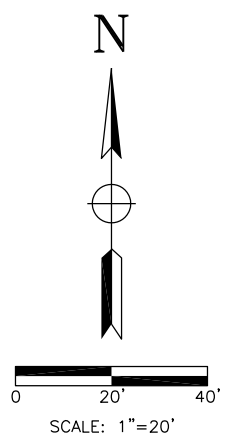
LEGEND:

-  SOLAR POWERED RECTANGULAR RAPID FLASH BEACON SIGN
-  ROADSIDE SIGN ON METAL POLE
-  PROPOSED CALTRANS PAVEMENT DELINEATION DETAIL NUMBER
-  EXISTING ROADSIDE SIGN ON METAL POLE



**ADD ALTERNATIVE
BID ITEM**

**95% SUBMITTAL
NOT FOR CONSTRUCTION**



REV	DATE	DESCRIPTION


DESIGNED BY: RP
 DRAWN BY: RP
 CHECKED BY: AP
 REVIEWED BY: AP
 DATE: June 17, 2014

REGISTRATION:





TJKM Transportation Consultants
 4305 Hacienda Drive, Suite 550
 Pleasanton, CA 94588
 Phone: (925) 463-0611 Fax: (925) 463-3690
 email: tjkm@tjkm.com

CLIENT:



REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

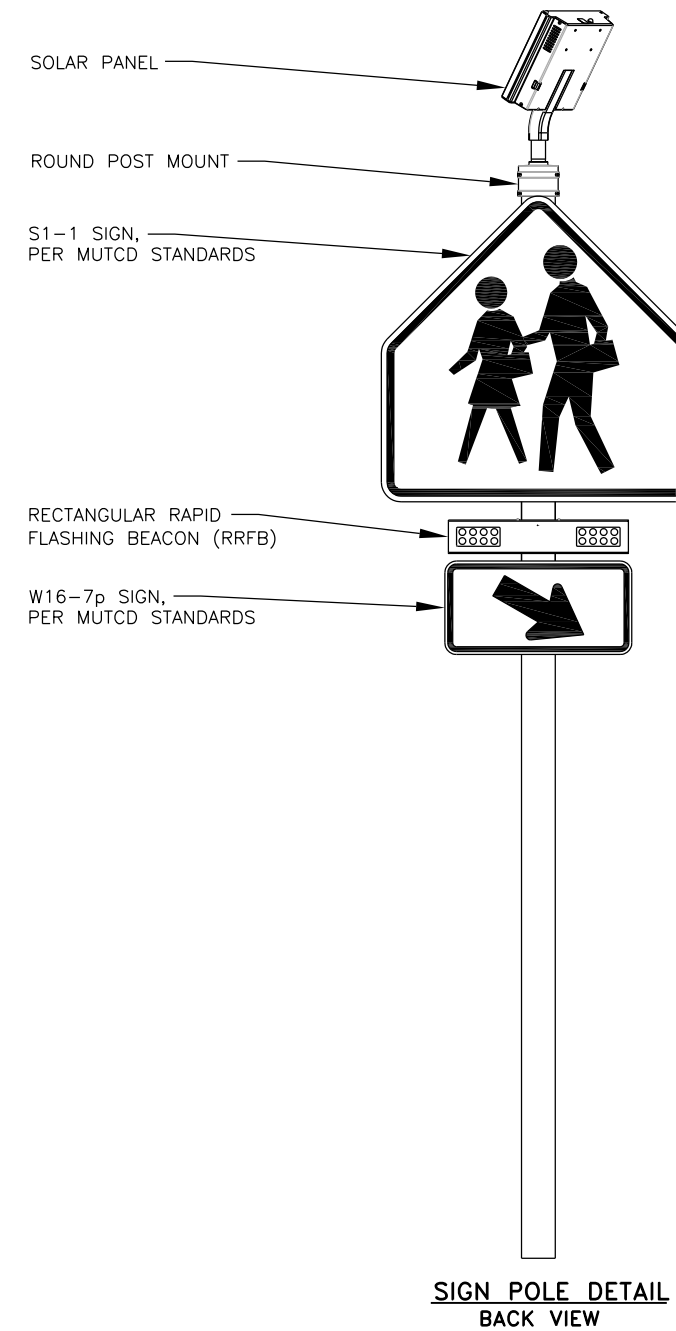
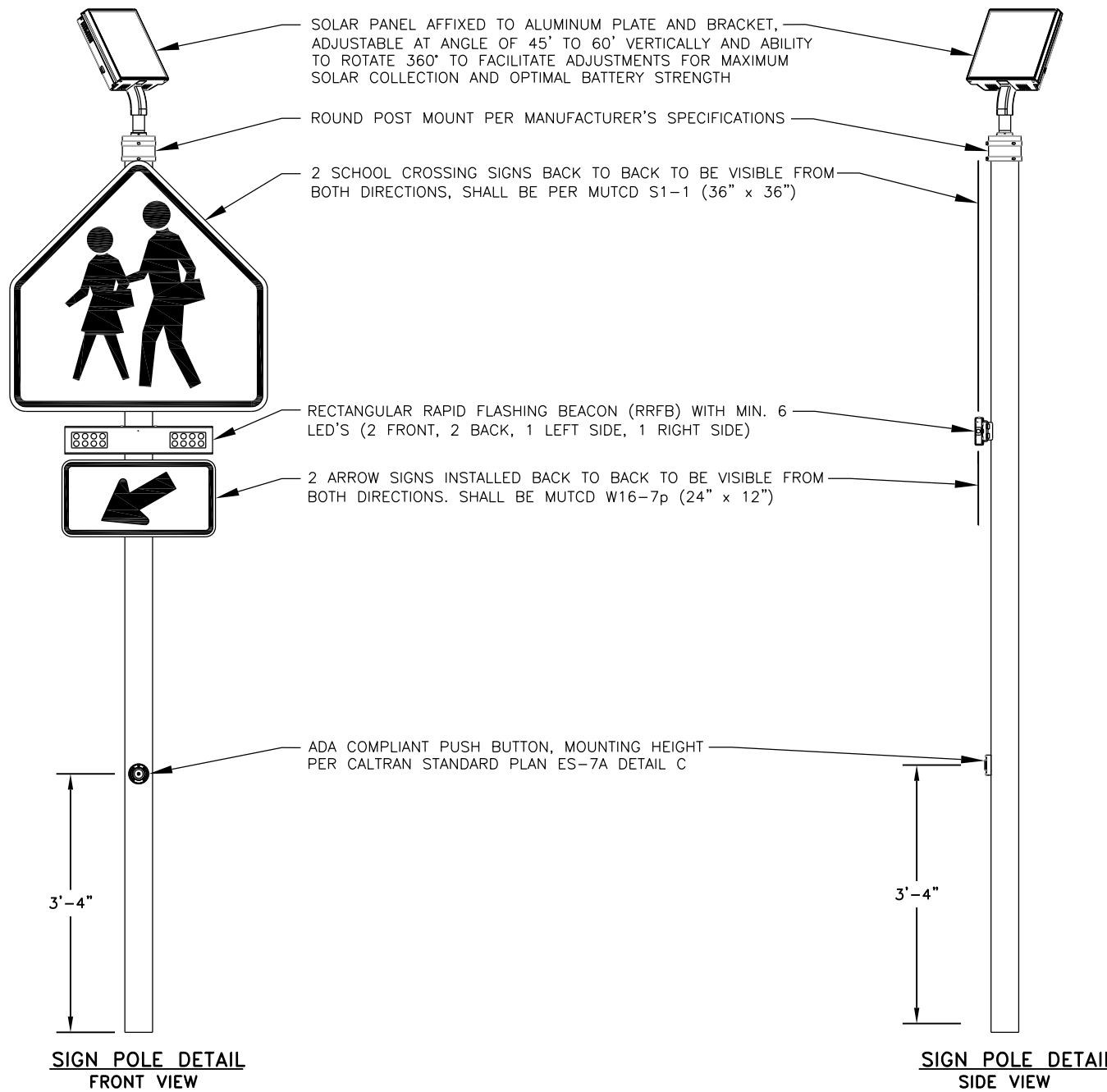


RAY CHAN
 CITY ENGINEER
 DATE: _____

ALBANY, CA
 Marin Avenue/Curtis Street
 Safe Routes to School
 City of Albany Contract No. 14-12
 Caltrans Project No. SR2SL-5178(014)

PAVEMENT DELINEATION AND SIGNAGE PLAN
 CURTIS ST / SONOMA AVE

DRAWING: **PD-02** SHEET No. 2 OF 3



**95% SUBMITTAL
NOT FOR CONSTRUCTION**

REV	DATE	DESCRIPTION

DESIGNED BY: RP
 DRAWN BY: RP
 CHECKED BY: AP
 REVIEWED BY: AP
 DATE: June 17, 2014

REGISTRATION:

TJKM Transportation Consultants
 4305 Hacienda Drive, Suite 550
 Pleasanton, CA 94588
 Phone: (925) 463-0611 Fax: (925) 463-3690
 email: tjkm@tjkm.com

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN
 CITY ENGINEER
 DATE: _____

ALBANY, CA
 Marin Avenue/Curtis Street
 Safe Routes to School
 City of Albany Contract No. 14-12
 Caltrans Project No. SR2SL-5178(014)

RECTANGULAR FLASHING BEACON POST DETAILS

DRAWING: **PD-03** SHEET No. 3 OF 3

SUMMARY OF NEEDED MODIFICATIONS TO THE INTERSECTION OF CURTIS STREET AND SONOMA AVENUE

CONSTRUCTION NOTES: (THIS SHEET ONLY)

- 1 INSTALL 11' O.C. YELLOW CROSSWALK. OUTER EDGES SHALL BE 12", TRANSVERSE MARKINGS SHALL BE 12" SPACED 3' O.C.
- 2 INSTALL 12" WHITE LIMIT LINE.
- 3 REMOVE EXISTING PAVEMENT STRIPE.
- 4 PAINT CURB RED

LEGEND:

- SOLAR POWERED RECTANGULAR RAPID FLASH BEACON SIGN
- ROADSIDE SIGN ON METAL POLE
- PROPOSED CALTRANS PAVEMENT DELINEATION DETAIL NUMBER
- EXISTING ROADSIDE SIGN ON METAL POLE

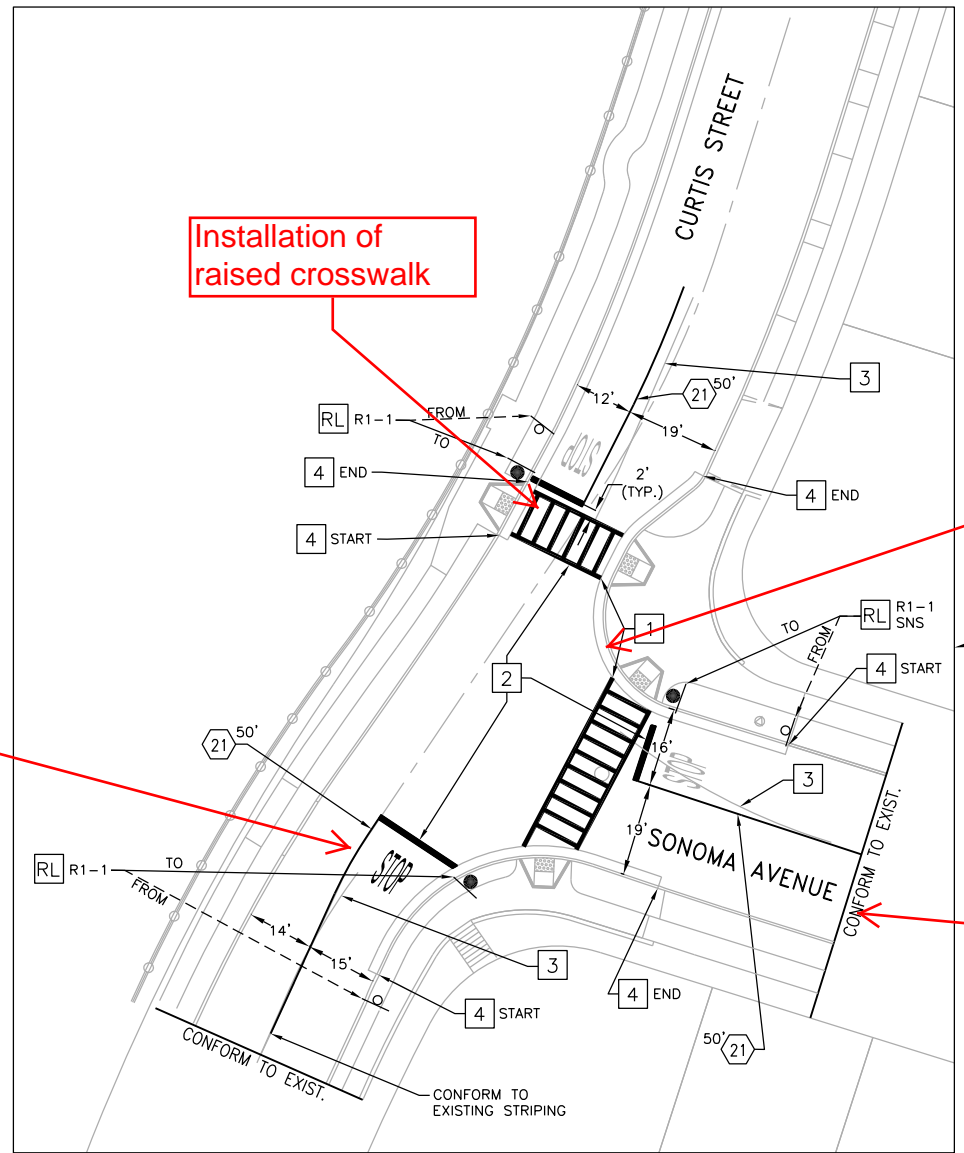
Install crosswalk and curb ramps on this leg.

Installation of raised crosswalk

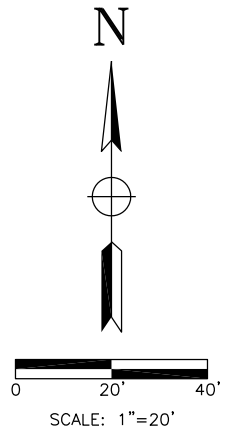
Removal of northeast bulb out

ADD ALTERNATIVE BID ITEM

Installation of a speed hump between Neilson and Peralta Avenue



**95% SUBMITTAL
NOT FOR CONSTRUCTION**



REV	DATE	DESCRIPTION

DESIGNED BY: RP
 DRAWN BY: RP
 CHECKED BY: AP
 REVIEWED BY: AP
 DATE: June 17, 2014

REGISTRATION:

TJKM Transportation Consultants
 4305 Hacienda Drive, Suite 550
 Pleasanton, CA 94588
 Phone: (925) 463-0611 Fax: (925) 463-3690
 email: tjkm@tjkm.com

CLIENT:

REVIEWED FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

RAY CHAN
 CITY ENGINEER
 DATE: _____

ALBANY, CA
 Marin Avenue/Curtis Street
 Safe Routes to School
 City of Albany Contract No. 14-12
 Caltrans Project No. SR2SL-5178(014)

PAVEMENT DELINEATION AND SIGNAGE PLAN
 CURTIS ST / SONOMA AVE

DRAWING: **PD-02** SHEET No. 2 OF 3

**CONTRACT #13-23
AGREEMENT FOR CONSULTANT SERVICES
BETWEEN
THE CITY OF ALBANY
AND
TJKM Transportation Consultants**

**FOR PROJECT:
Marin-Curtis Safe Routes to School (SR2S) Pedestrian Improvements**

MODIFICATION OF AGREEMENT No. 1

This MODIFICATION OF AGREEMENT FOR CONSULTANT SERVICES is made and entered into on this ____ day of March 2015 by and among the City of Albany a California charter city ("CITY") and TJKM Transportation Consultants, ("CONSULTANT").

In consideration of the mutual covenants and conditions set forth herein Contract #13-23 the parties agree as follows:

Per request by the CITY, Contract #13-23 shall be amended for CONSULTANT to perform additional services set forth in EXHIBIT "A" and made part of the original AGREEMENT. This contract amendment shall allow for CONSULTANT to include:

Design the raised crosswalk at Curtis and Sonoma, the plan set will include the following revised sheets:

1. Revised Signing and Striping Sheet (prepared by TJKM)
2. Revised demolition plan (prepared by Seigfried)
3. Revised Underground Utilities Plan including storm drainage and adjustment of other vaults and utility covers. (prepared by Seigfried)
4. Revised Paving Plan (prepared by Seigfried)
5. Revised Grading Plan (prepared by Seigfried)
6. All details necessary to clarify the plan intent are included and will be part of the plan set (prepared by Seigfried).
7. Reinstallation of the south crosswalk with high visibility markings.

In addition, a speed hump is proposed along Sonoma between Neilson and Peralta. The Paving Plan at the speed hump location and the associated City standard detail will be added to the plan sheet set. The addition of the following sheets to the set will include:

1. Paving plan at the speed hump location
2. Speed hump details necessary to clarify the plan intent

Deliverables:

Revised construction document sheets technical specifications, and engineer's estimates at 100%, and Final Bid set (.pdf copies) levels.

In addition, TJKM and Seigfried will attend one additional public meeting to represent the civil and traffic design elements of the project.

All details necessary to clarify the alternate plan intent are included and will be part of the plan set. (prepared by Seigfried) and part of EXHIBIT A.

All work shall continue to be in compliance with Contract #13-23 and in accordance with the approved Scope of Work, including any agreed upon modifications or extensions to the Scope of Work.

IN WITNESS WHEREOF, the parties hereto have caused this AMENDMENT OF AGREEMENT to Contract #13-23 to be executed the day and year first above written.

CITY OF ALBANY:

By
Penelope Leach, City Manager

CONSULTANT:

By _____
(Authorized Officer)

Attest
City Clerk



Transportation
Consultants

February 13, 2015

Aleida Andrino-Chavez
Transportation Planner
City of Albany
1000 San Pablo Avenue
Albany, CA 94706

RE: Change Order #1 Redesign to include Speed Hump and Raised Crosswalk

This contract amendment request is in response to the email dated February 9, 2015 to remove the bulb outs at Sonoma/Curtis intersection and include a raised crosswalk on the north leg of the Curtis/Sonoma intersection and a speed hump on Sonoma between Neilson and Peralta to the current project plan set.

To design the raised crosswalk at Curtis and Sonoma, the plan set will include the following revised sheets:

1. Revised Signing and Striping Sheet (prepared by TJKM)
2. Revised demolition plan (prepared by Seigfried)
3. Revised Underground Utilities Plan including storm drainage and adjustment of other vaults and utility covers. (prepared by Seigfried)
4. Revised Paving Plan (prepared by Seigfried)
5. Revised Grading Plan (prepared by Seigfried)
6. All details necessary to clarify the plan intent are included and will be part of the plan set. (prepared by Seigfried)

Exhibit A depicts the scope and fee from Seigfried for the speed hump and raised crosswalk design.

In addition, a speed hump is proposed along Sonoma between Neilson and Peralta. The Paving Plan at the speed hump location and the associated City standard detail will be added to the plan sheet set. The addition of the following sheets to the set will include:

1. Paving plan at the speed hump location
2. Speed hump details necessary to clarify the plan intent

Deliverables:

Revised construction document sheets technical specifications, and engineers estimates at 100%, and Final Bid set (.pdf copies) levels.

In addition, TJKM and Seigfried will attend one additional public meeting to represent the civil and traffic design elements of the project.

Pleasanton
4305 Hacienda Drive
Suite 550
Pleasanton, CA
94588-2798
925.463.0611
925.463.3690 fax

Fresno
516 W. Shaw Avenue
Suite 200
Fresno, CA
93704-2515
559.325.7530
559.221.4940 fax

Sacramento
980 Ninth Street
16th Floor
Sacramento, CA
95814-2736
916.449.9095

Santa Rosa
1400 N. Dutton Avenue
Suite 21
Santa Rosa, CA
95401-4643
707.575.5800
707.575.5888 fax

tjkm@tjkm.com
www.tjkm.com

BUDGET

Based on the scope of services above, the estimated fee is shown in the table below.

Task	Total
Preparation of Revised Striping Plans	\$1,500
Preparation of Revised Civil Improvement Plans	\$7,000
Additional Public Meeting	\$2,500
TOTAL	\$11,000

TJKM Team can begin once we receive written authorization on the Change Order #1 request. The terms of the Prime Agreement with the City will still apply. Please call me if you have any questions or email me at apatel@tjkm.com

Sincerely,



Atul Patel
TJKM Project Manager



February 13, 2015

Atul Patel, P.E., PTOE
TJKM
4305 Hacienda Drive, Suite 550
Pleasanton, CA 94588

**RE: MARIN AND CURTIS SRTS RAISED CROSSWALK
ALBANY, CALIFORNIA
PROPOSAL FOR PROFESSIONAL SERVICES CO #1 – Exhibit A**

Dear Atul;

Our scope of work for the substitution of a raised crosswalk at the Sonoma and Curtis intersection is as follows.

I. Scope of Work

Siegfried Engineering, Inc. (Siegfried) will provide civil engineering and surveying services to TJKM (**Client**) for the Marin/Curtis SRTS (**Project**) in Albany, California including the following services:

TASK 1 – CO #1 RAISED CROSSWALK SUBSTITUTION AND SPEED HUMP ADDITION

Based upon prior discussions and conference calls Siegfried will revise the civil, improvement plans, technical specifications, and estimates for substituting a raised crosswalk for the current bulb out design at the intersection of Sonoma and Curtis including the revision of the following sheets:

- a. demolition plan
- b. Underground Utilities Plan including storm drainage and adjustment of other vaults and utility covers.
- c. Paving Plan
- d. Grading Plan
- e. All details necessary to clarify the plan intent are included and will be part of the plan set.

In addition a speed hump and the associated City standard detail will be added to the sheet set roughly between Neilson and Peralta on Sonoma Avenue including the addition of the following sheets:

- a. Paving Plan at the speed hump location
- b. Speed Hump details necessary to clarify the plan intent

Deliverables:

Revised construction document sheets, technical specifications, and engineers estimates at 100%, and Final Bid set (.pdf copies) levels.

TASK 2 –CO #1 ATTEND ADDITIONAL PUBLIC MEETING

Siegfried will attend one additional public meeting to represent the civil design elements of the project.

Corporate Office

3244 Brookside Rd., Ste. 100
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San Jose

111 N. Market St., Ste. 300
San Jose, CA 95113
t: 408.754.0121

Sacramento

111 Scripps Drive
Sacramento, CA 95825
t: 916.520.2777



Exceptions to the scope

It is understood that the following are not included in the Scope:

- a. preliminary title report, preparation of deed of conveyance and recordation fees,
- b. soils suitability study,
- c. signage,
- d. data, or gas service design,
- e. maintenance plans,
- f. geotechnical investigation, report and monitoring,
- g. potholing to determine location and/or elevation of underground utilities,
- h. permit application and plan check fees,
- i. construction inspection, supervision, and scheduling,
- j. construction staking
- k. site or building accessibility upgrades

II. Fee Proposal

<u>Task</u>	<u>Description</u>	<u>Not to Exceed Fee</u>
1	CO #1 Raised Crosswalk Substitution and Speed Hump Addition	\$7,000
2	CO #1 Attend Additional Public Meeting	\$1,500
	Reimbursable expense allowance	\$0
	TOTAL NOT TO EXCEED FEE including reimbursable expense allowance	<u>\$8,500</u>

We look forward to working with you on this important Project. If you have any questions or need additional information, please feel free to contact me directly.

Sincerely,
SIEGFRIED

A handwritten signature in blue ink, appearing to read "Paul J. Schneider".

Paul J. Schneider, QSD, QSP, P.E.
Vice President

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MARIN/CURTIS SR2S PROJECT BUDGET	
REVENUES	
State Grant (Design)	\$ 72,500.00
State Grant (Construction)	\$ 337,900.00
State Grant (Educational component)	\$ 9,000.00
School District match	\$ 25,000.00
Alameda Co. Trans. Commission Measure B "Pass-Through Funds" FY13/14 and FY14/15	\$ 60,806.00
<i>City Storm Drain Fund</i>	\$ 70,000.00
<i>State TDA funds Allocated to the City (14/15 and 15/16)</i>	\$ 30,290.00
<i>Community Dev. Block Grant (CDBG) funds</i>	\$ 24,491.00
City Gas Tax Fund	\$ 145,499.00
Total Revenues	\$ 775,486.00
EXPENSES	
Design Original Contract	\$ 73,430.00
Design Amendment	\$ 11,000.00
Construction Estimate (including contingencies)	\$ 617,500.00
Construction Support	\$ 61,750.00
Educational Match	\$ 1,000.00
Art Fee (1.75% construction costs)	\$ 10,806.00
Total Estimated Expenses	\$ 775,486.00
Surplus/Deficit	\$ -
Alternative 1: Raised Crosswalk with Stamped Asphalt at Curtis and Sonoma	
Stamped Asphalt for raised crosswalk (custom design for stamped Asphalt)	\$ 15,000.00
Funding proposal:	
Alameda Co. Trans. Commission Measure B Measure B "Local Streets & Roads"	\$ 10,000.00
City Measure F	\$ 5,000.00
Total Additional	\$ 15,000.00
Alternative 2: Painted Art on Raised Crosswalk at Curtis /Sonoma	
Painted art	10,000
Funding proposal:	
City Gas Tax or City Measure F	\$ 10,000.00

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE (\$)	TOTAL PRICE (\$)
1	MARIN-CURTIS INTERSECTION	LS	LUMP SUM	467,000.00	467,000
2	SONOMA-CURTIS INTERSECTION	LS	LUMP SUM	143,000.00	143,000
3	NIELSON-PERALTA SPEED HUMP	LS	LUMP SUM	7,500.00	7,500
GRAND PROJECT TOTAL					\$617,500

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE (\$)	TOTAL PRICE (\$)
SITE PREPARATION					
1	DEMO EXISTING ASPHALT CONCRETE	SF	1,800	3.00	5,400
2	ROUGH GRADING	LS	LUMP SUM	5,000.00	5,000
3	DEMO EXISTING CONCRETE	SF	1,100	3.00	3,300
4	EROSION CONTROL AND SWPPP	LS	LUMP SUM	1,000.00	1,000
5	CLEARING AND GRUBBING	LS	LUMP SUM	2,500.00	2,500
6	SAW CUTTING	LF	290	3.00	870
7	TRAFFIC CONTROL (INCLUDING CONSTRUCTION FENCING)	LS	LUMP SUM	6,500.00	6,500
ASPHALT PAVING					
8	ROADWAY AC PATCH BACK (12" AC DEEPLIFT)	SF	1,750	11.50	20,125
SITE CONCRETE					
9	CURB AND GUTTER (6")	LF	173	28.00	4,844
10	CONCRETE SIDEWALK	SF	800	15.00	12,000
11	ACCESSIBLE RAMP	EA	4	3,500.00	14,000
12	RAISED CROSSWALK	LS	LUMP SUM	25,000.00	25,000
13	TRUNCATED DOMES	SF	90	60.00	5,400
OTHER SITE IMPROVEMENTS					
14	ADJUST UTILITIES	EA	8	500.00	4,000
15	THERMOPLASTIC CROSSWALK STRIPING	LF	108	10.00	1,080
16	THERMOPLASTIC HIGH VISIBILITY CROSSWALK STRIPING	LS	LUMP SUM	3,500.00	3,500
17	SURVEY MONUMENT PRESERVATION	LS	LUMP SUM	3,500.00	3,500

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE (\$)	TOTAL PRICE (\$)
18	DIRECTIONAL AND GUIDE SIGNAGE	LS	LUMP SUM	1,000.00	1,000
LANDSCAPE					
19	LANDSCAPE REPAIR	LS	LUMP SUM	2,000.00	2,000
20	D.G. FILL	SF	550	5.00	2,750
SUBTOTAL					\$123,769

OTHER COSTS

21	CONSTRUCTION CONTINGENCY (15%)	LS	LUMP SUM	18,565.35	18,566
SUBTOTAL					\$18,566

GRAND TOTAL	\$142,335
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PROJECT TOTAL	\$143,000
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ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE (\$)	TOTAL PRICE (\$)
SITE PREPARATION					
1	DEMO EXISTING ASPHALT CONCRETE	SF	7,123	3.00	21,369
2	ROUGH GRADING	LS	LUMP SUM	10,000.00	10,000
3	DEMO EXISTING CONCRETE	SF	4,102	3.00	12,306
4	DEMO EXISTING STORM DRAIN	LS	1	15,000.00	15,000
5	EROSION CONTROL AND SWPPP	LS	LUMP SUM	2,000.00	2,000
6	CLEARING AND GRUBBING	LS	LUMP SUM	2,500.00	2,500
7	SAW CUTTING	LF	876	3.00	2,628
8	TRAFFIC CONTROL (INCLUDING CONSTRUCTION FENCING)	LS	LUMP SUM	20,000.00	20,000
ASPHALT PAVING					
9	ROADWAY AC PATCH BACK (12" AC DEEPLIFT)	SF	3,743	11.50	43,045
SITE CONCRETE					
10	CURB AND GUTTER	LF	674	28.00	18,872
11	CONCRETE SIDEWALK	SF	5,598	15.00	83,970
12	ACCESSIBLE RAMP	EA	7	3,500.00	24,500
13	TRUNCATED DOMES	SF	150	60.00	9,000
STORM DRAINAGE					
14	17"x13" CMPA STORM DRAIN PIPE	LF	313	100.00	31,300
15	POTHOLING	LS	1	5,000.00	5,000
16	TYPE I MANHOLE	EA	2	3,000.00	6,000
17	TYPE II MANHOLE	EA	1	15,000.00	15,000

ITEM NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE (\$)	TOTAL PRICE (\$)
18	DUAL CURB INLET	EA	3	5,000.00	15,000
19	THROUGH CURB DRAIN	LF	25	80.00	2,000
OTHER SITE IMPROVEMENTS					
20	THERMOPLASTIC CROSSWALK STRIPING	LF	175	10.00	1,750
21	THERMOPLASTIC PAVEMENT MARKING ARROW	EA	1	450.00	450
22	SURVEY MONUMENT PRESERVATION	LS	LUMP SUM	3,500.00	3,500
23	DIRECTIONAL AND GUIDE SIGNAGE	LS	LUMP SUM	7,000.00	7,000
24	ADJUST UTILITIES	EA	8	1,000.00	8,000
25	RRFB SIGNAGE	EA	2	15,000.00	30,000
LANDSCAPE					
26	LANDSCAPE REPAIR	LS	LUMP SUM	4,000.00	4,000
27	D.G. FILL WITH HEADER	SF	1,875	6.00	11,250
SUBTOTAL					\$405,440

OTHER COSTS

28	CONSTRUCTION CONTINGENCY (15%)	LS	LUMP SUM	60,816.00	60,816
SUBTOTAL					\$60,816

GRAND TOTAL					\$466,256
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PROJECT TOTAL					\$467,000
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Attachment 5—Stamped Asphalt Treatment and Paint Crosswalk Treatments



Stamped asphalt detail in Oakland



Recently installed stamped crosswalk on Foothill.



Painted Crosswalk at the
Monterey Bay Aquarium
and on Cannery Row in
Monterey



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RESOLUTION NO. 2015-11

**A RESOLUTION OF THE ALBANY CITY COUNCIL APPROVING THE
MARIN-CURTIS SAFE ROUTES TO SCHOOL PEDESTRIAN
IMPROVEMENT PROJECT**

WHEREAS, the City has prioritized pedestrian safety improvements near the City’s elementary schools, both for safety reasons and to help facilitate students walking to school; and

WHEREAS, in 2012, the City obtained a State Safe Routes to School (SR2S) grant for the design and construction of pedestrian improvements on the east side of Marin Elementary School; and

WHEREAS, safety improvements consist of implementing bulb outs to shorten the walking distance across Marin Avenue as well as installation of high visibility crosswalks at the intersection of Marin Avenue and Curtis Street, and Curtis Street and Sonoma Avenue; and

WHEREAS, the project includes sidewalk widening and repair along the east side of Marin Elementary School and installation of a Rectangular Rapid Flashing Beacon (RRFB) at the intersection of Marin Avenue and Curtis Avenue; and

WHEREAS, the Traffic and Safety Commission held four public meetings to review the proposed design and approved a motion recommending that the City Council approve the proposed project.

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NOW THEREFORE, BE IT RESOLVED, that the Albany City Council does hereby:

1. Approve the Construction Plans and Engineer’s Estimate for the Marin-Curtis Safe Routes to Schools Project;
2. Authorize the City Manager to issue a Call for Construction Bids in May 2015 and allocate the needed funds to close the construction phase funding gap;
3. Appropriate funds for the project;
4. Authorize the City Manager to execute an amended professional services contract with TJKM Transportation Consultants for the design a raised crosswalk on the north leg of the Curtis/Sonoma intersection, design a speed hump on Sonoma Avenue between Neilson Street and Peralta Avenue, and allocate the necessary funds to build the additional task.

PETER MAASS, MAYOR