

# SAN PABLO AVENUE AND BUCHANAN STREET

## PEDESTRIAN SAFETY IMPROVEMENTS

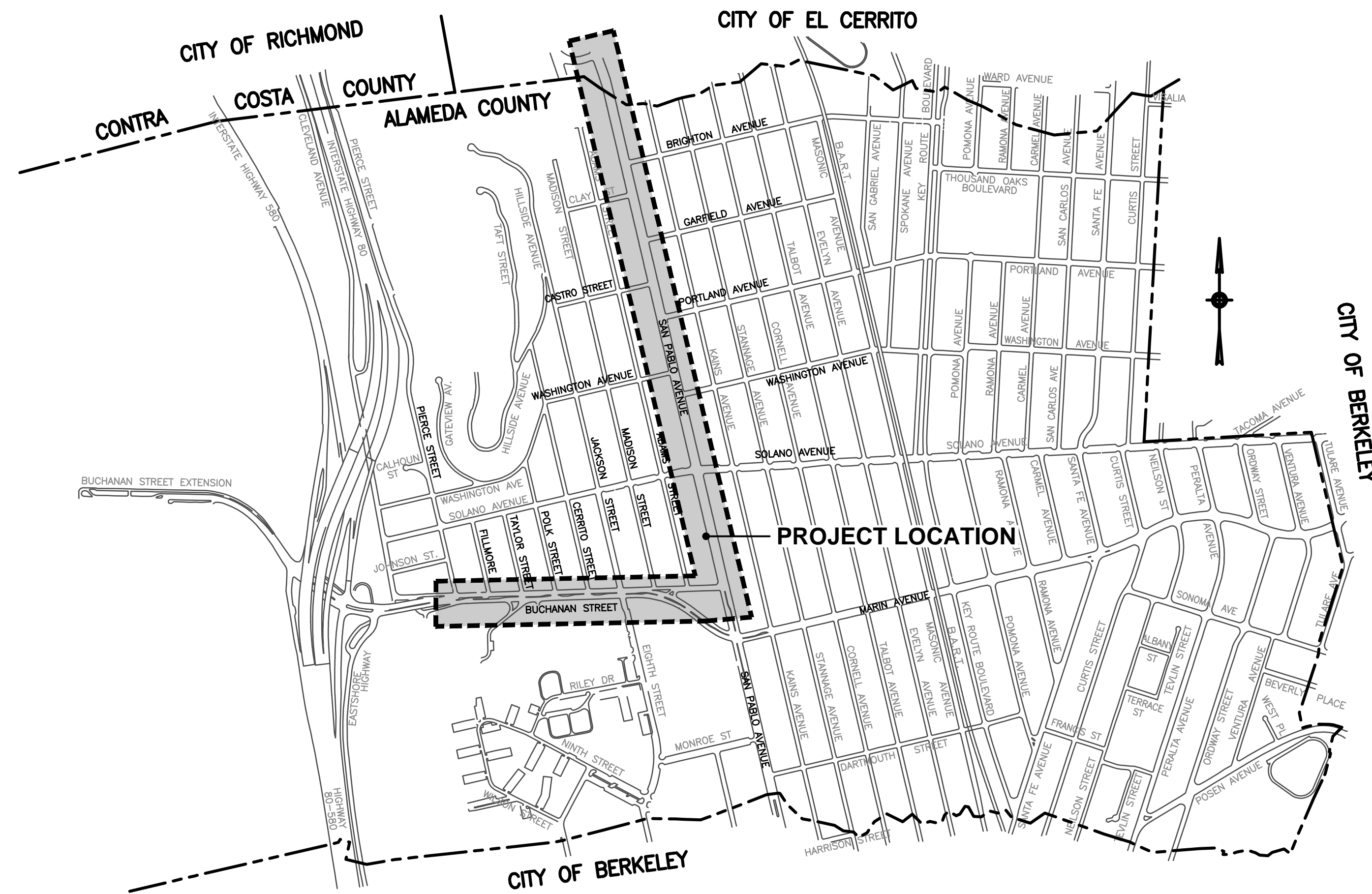
NORTHERN CITY LIMITS TO MARIN AVENUE & PIERCE STREET TO MARIN AVENUE

ALAMEDA COUNTY, CALIFORNIA

*City of Albany*

CONTRACT NO. CXX-X

**JULY 2017**



**1" = 64' @ 4C"**  
NOT TO SCALE

**CITY COUNCIL**

Peggy McQuaid, Mayor  
Peter Maass, Vice Mayor  
Michael Barnes, Councilmember  
Rochelle Nason, Councilmember  
Nick Pilch, Councilmember

Penelope Crumpley, City Manager  
Jeff Bond, Community Development Director  
Mark Hurley, Public Works Director/City Engineer

APPROVED:	
MARK HURLEY PUBLIC WORKS DIRECTOR	07-21-17 DATE
PENELOPE CRUMPLEY CITY MANAGER	07-21-17 DATE

REV	DATE	DESCRIPTION

DESIGNED BY:	C. BOMAN
DRAWN BY:	C. BOMAN
CHECKED BY:	J. YOUNG
REVIEWED BY:	J. WHITE
DATE:	JULY 21, 2017

REGISTRATION:

**BKF 100+ YEARS**  
ENGINEERS . SURVEYORS . PLANNERS  
1646 N. CALIFORNIA BLVD, STE 400  
WALNUT CREEK, CA 94596  
PH: (925) 940-2200  
FAX: (925) 940-2299

CLIENT:

MARK HURLEY, CITY OF ALBANY  
ENGINEER HAS REVIEWED AND  
APPROVED THE PLANS FOR  
GENERAL CONFORMANCE WITH THE  
CITY OF ALBANY STANDARD  
SPECIFICATIONS AND ORDINANCES

*City of Albany*

SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS

TITLE SHEET

SHEET: **C-0.0** DWG No. (CIVIL SHEETS ONLY)  
01 OF 30

PRELIMINARY 35% CONSTRUCTION DOCUMENTS SUBMITTAL (07/21/2017)

**SHEET INDEX**

SHT. REF	DESCRIPTION
C-0.0	TITLE SHEET
C-0.1	SHEET INDEX
C-0.2	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
C-0.3	POLLUTION PREVENTION
C-1.0	TYPICAL SECTIONS
C-1.1	TYPICAL SECTIONS
C-2.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.1	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.2	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.3	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.4	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.5	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.6	EXISTING CONDITIONS AND DEMOLITION PLAN
C-2.7	EXISTING CONDITIONS AND DEMOLITION PLAN
C-3.0	HORIZONTAL LAYOUT
C-3.1	HORIZONTAL LAYOUT
C-3.2	HORIZONTAL LAYOUT
C-3.3	HORIZONTAL LAYOUT
C-3.4	HORIZONTAL LAYOUT
C-3.5	HORIZONTAL LAYOUT
C-3.6	HORIZONTAL LAYOUT
C-3.7	HORIZONTAL LAYOUT
C-4.0	GRADING AND UTILITY PLAN
C-4.1	GRADING AND UTILITY PLAN
C-4.2	GRADING AND UTILITY PLAN
C-4.3	GRADING AND UTILITY PLAN
C-4.4	GRADING AND UTILITY PLAN
C-4.5	GRADING AND UTILITY PLAN
C-4.6	GRADING AND UTILITY PLAN
C-4.7	GRADING AND UTILITY PLAN
C-5.0	LIGHTING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-5.1	LIGHTING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-5.2	LIGHTING PLAN NOT INCLUDED IN 35% SUBMITTAL
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C-5.7	LIGHTING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-5.8	LIGHTING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-6.0	STAGING AND PHASING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-6.1	STAGING AND PHASING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-6.2	STAGING AND PHASING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-6.3	STAGING AND PHASING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-6.4	STAGING AND PHASING PLAN NOT INCLUDED IN 35% SUBMITTAL
C-7.0	CONSTRUCTION DETAILS NOT INCLUDED IN 35% SUBMITTAL
C-7.1	CONSTRUCTION DETAILS NOT INCLUDED IN 35% SUBMITTAL

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SHEET: C-0.1      DWG No. (CIVIL SHEETS ONLY) 02 OF 30

**GENERAL NOTES**

- ALL WORK IS TO BE DONE UNDER THE DIRECTION OF THE ENGINEER
- CALTRANS STANDARD SPECIFICATIONS MAY 2015 AND STANDARD PLANS, 2015 EDITION, AND THE SUBSEQUENT ERRATA ARE PART OF THESE PLANS.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF PROPER SHORING OF TRENCHES IN ACCORDANCE WITH OCCUPATIONAL SAFETY LAWS. THE DUTIES OF THE ENGINEER DO NOT INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY IN, ON, OR NEAR THE CONSTRUCTION SITE.
- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES DURING CONSTRUCTION. PROPER REPAIR SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE RESPECTIVE UTILITY COMPANY.
- ALL PIPELINES AND OTHER UNDERGROUND FACILITIES MAY NOT BE SHOWN. EXISTING UNDERGROUND FACILITIES AS SHOWN ARE APPROXIMATE ONLY AND WERE OBTAINED FROM AVAILABLE UTILITY RECORDS. HOWEVER, THE CITY OF ALBANY ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITIES AND TO HAVE ALL FACILITIES LOCATED IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION.
- SLOPES OF ALL EMBANKMENT FILL SHALL BE 2:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. SLOPES OF ALL EMBANKMENT CUTS SHALL BE 3:1 (HORIZONTAL:VERTICAL) UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ATTENTION IS DIRECTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 19, FOR EMBANKMENT CONSTRUCTIONS WHERE APPLICABLE.
- SEE SPECIFICATIONS FOR DETAILS NOT SHOWN HEREIN.
- ALL POLES, VALVES, BOXES WITHIN THE PROJECT AREA WILL BE REMOVED, RELOCATED, OR ADJUSTED TO GRADE OF NEW IMPROVEMENTS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT PERFORM WORK OUTSIDE THE PROJECT LIMIT.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOBSITE.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF THE WORK PERFORMED BY THEIR SUBCONTRACTORS, WITHOUT EXCEPTION.
- THE CONTRACTOR SHALL IDENTIFY A RESPONSIBLE CONTACT PERSON, WHO IS AN EMPLOYEE OF THE CONTRACTOR, AND A 24-HOUR TELEPHONE NUMBER TO CALL TO RESOLVE PROBLEMS WITH NOISE, DUST OR OTHER CONSTRUCTION-RELATED ISSUES. THIS SIGN SHALL BE APPROVED BY THE CITY IS REPRESENTATIVE PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP ALL CONSTRUCTION ACTIVITIES WITHIN THE RIGHTS-OF-WAY AND EASEMENTS OBTAINED FOR THIS PROJECT UNLESS OTHERWISE SHOWN. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, VEHICLES AND EQUIPMENT, LIMITS OF TRENCH EXCAVATIONS, AND STOCKPILED NEW MATERIAL.
- THE CONTRACTOR SHALL PROVIDE PROTECTION DEVICES INCLUDING BARRICADES, FENCING, WARNING SIGNS, LIGHTS, FLAGGERS OR OTHER ITEMS NECESSARY TO ENSURE PUBLIC SAFETY WITHIN THE PROJECT SITE. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FIXTURES, EQUIPMENT, CONCRETE SIDEWALK, CONCRETE DRIVEWAY, CONCRETE CURB & GUTTER, AND AC PAVING TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE CITY'S REPRESENTATIVE, AT NO ADDITIONAL COST TO THE CITY.
- PER CITY OF ALBANY MONUMENT PRESERVATION POLICY, EXISTING SURVEY MONUMENTS SHALL BE PRESERVED, REFERENCED, OR REPLACED BY THE CONTRACTOR. A COPY OF THE CURRENT CITY POLICY ON MONUMENT PRESERVATION WILL BE PROVIDED IN THE STANDARD SPECIFICATIONS FOR THIS PROJECT. THE CONTRACTOR SHALL FOLLOW SPECIFIED POLICY. CONTRACTOR SHALL CONFORM TO THE CITY OF ALBANY MONUMENT PRESERVATION POLICY AND PRESERVE ALL SURVEY MARKERS AND MONUMENTATION. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER OF ANY EXISTING FEDERAL, STATE, COUNTY, AND PRIVATE LAND SURVEY MARKER REQUIRING RESETTING.
- CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THE HOURS OF 8:00 AM TO 6:00 PM, MONDAY THROUGH SATURDAYS AND 10:00 AM TO 6:00 PM SUNDAYS AND LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER
- DUST SHALL BE CONTROLLED AND ADJOINING STREET AND PRIVATE DRIVES SHALL BE KEPT CLEAN OF PROJECT DIRT, MUD, MATERIALS AND DEBRIS, TO THE SATISFACTION OF THE COMMUNITY DEVELOPMENT DIRECTOR.
- BETWEEN THE HOURS OF 9 AM AND 3 PM, ONLY ONE LANE CAN BE CLOSED ON SAN PABLO AVENUE, BUCHANAN STREET, AND MARIN AVENUE.

**APPROVAL / COORDINATION NOTES**

- THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICE ALERT AT 1-(800) 227-2600 AT LEAST 5 DAYS PRIOR TO CONSTRUCTION AND 48 HOURS PRIOR TO ANY EXCAVATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN IN THESE PLANS FROM THE APPROPRIATE AGENCIES, PRIOR TO PERFORMING ANY WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL SOUND CONTROL AND NOISE LEVEL RULES, REGULATION AND ORDINANCES WHICH APPLY TO ANY WORK PERFORMED UNDER THE CONTRACT. EACH INTERNAL COMBUSTION ENGINE USED ON THE PROJECT SHALL BE EQUIPPED WITH A MUFFLER RECOMMENDED BY THE MANUFACTURER. NO INTERNAL COMBUSTION ENGINE SHALL BE OPERATED ON THE PROJECT WITHOUT SAID MUFFLER. NOISE LEVELS SHALL BE KEPT TO THE SATISFACTION OF THE CITY ENGINEER.
- ALL WORK SHALL CONFORM TO THE CITY OF ALBANY STANDARD SPECIFICATIONS DATED DECEMBER 2015, THE CITY OF ALBANY STANDARD DETAILS, AND THE 2015 CALTRANS STANDARD SPECIFICATIONS WHEN REFERENCED.
- COORDINATE ALL WORK INVOLVING UTILITIES WITH THE APPROPRIATE UTILITY COMPANY.
- PROVIDE TEMPORARY SIGNS, CONES BARRICADES AND ADVANCE WARNING SIGNS PER CALTRANS REQUIREMENTS.
- OBSTRUCTIONS INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH WITH THE APPROPRIATE AGENCIES. CALL (800) 642-2444, A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.
- CONTRACTOR SHALL EXPOSE ALL POTENTIAL UTILITY CONFLICT CROSSINGS AS WELL AS CONNECTION POINTS TO EXISTING UTILITIES. HE SHALL COORDINATE WITH ENGINEER TO LOCATE AND VERIFY DEPTHS. ENGINEER SHALL THEN MAKE ANY REVISIONS TO THEIR DESIGN PRIOR TO CONSTRUCTION. ALL REVISIONS MUST BE APPROVED BY THE CITY OF ALBANY PUBLIC WORKS
- MAINTAIN ONE ELEVEN-FOOT TRAFFIC LANE IN EACH DIRECTION IN PUBLIC STREETS AT ALL TIMES DURING WORKING HOURS OR PROVIDE FLAGGERS PER CALTRANS REQUIREMENTS.
- NO OPEN EXCAVATION SHALL BE LEFT UNSUPERVISED AT ANY TIME.
- PRUNING OF TREE ROOTS & BRANCHES SHALL BE APPROVED IN ADVANCE AS DIRECTED BY THE CITY.

**TREE PROTECTION NOTES**

- ARBORIST: CONTRACTOR SHALL MAKE PROVISIONS IN THEIR BID TO RETAIN A LICENSED CERTIFIED, CITY APPROVED ARBORIST FOR "ON-CALL" CONSULTATION DURING CONSTRUCTION. NO EQUIPMENT SHALL BE PERMITTED ON-SITE UNTIL THE ARBORIST HAS APPROVED THE PROPOSED STAGING AREA(S). NO TREE PRUNING, REMOVAL OR ROOT-CUTTING SHALL OCCUR WITHOUT THE ARBORIST 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: CONTRACTOR'S ARBORIST SHALL MARK LIMITS OF AREA WITHIN DRIP LINES IN ADVANCE PRIOR TO EXCAVATION.
- PRUNING: TREES SHALL BE PRUNED ONLY AS RECOMMENDED BY CONTRACTORS 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 CONTRACTORS 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
- TREE DAMAGE: ANY DAMAGE OF EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON UNDER THE DIRECTION OF THE CONTRACTORS ARBORIST.

**SURFACE RESTORATION NOTES**

- ALL PAVEMENT CUTS SHALL BE SAWCUT, SMOOTH AND VERTICAL. THE PAVEMENT AREA BEING REMOVED SHALL BE RECTANGULAR, UNLESS SHOWN OTHERWISE ON PLANS.
- CONTRACTOR SHALL RESTORE ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS TO THEIR EXISTING CONDITION OR BETTER. THIS INCLUDES, BUT IS NOT LIMITED TO ALL LANDSCAPING, IRRIGATION, DRIVEWAYS, AC PAVING, CONCRETE WORK AND UTILITIES UNLESS NOTED OR DIRECTED OTHERWISE BY THE CITY'S REPRESENTATIVE.
- RIMS OF EXISTING UTILITY BOXES AND OTHER RELATED APPURTENANCES THAT ARE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE ADJUSTED TO FINISH GRADES TO MAINTAIN ACCESSIBLE PATH. ANY DAMAGE RESULTING TO EXISTING UTILITY FACILITIES FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE APPROPRIATE AGENCY AT NO ADDITIONAL COST TO THE CITY OR UTILITY OWNER.
- ALL MANHOLES, VALVES AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE AFTER/DURING PAVING AND TO MAINTAIN ACCESSIBLE PATH.
- PROVIDE SMOOTH CONFORM TO EXISTING AC PAVEMENT.

**LEGEND**

**EXISTING**

- SS — SANITARY SEWER LINE
- W — WATER LINE
- COM — TELECOMMUNICATION LINE
- G — GAS LINE
- Z-5- EXISTING CONTOUR
- X — FENCE
- CB CATCH BASIN
- HYD FIRE HYDRANT
- Light LIGHT
- o MH MANHOLE
- x PEDESTRIAN PUSH BUTTON
- Power Pole AND GUY WIRE POWER POLE AND GUY WIRE
- Sign SIGN
- x 21.5 SPOT ELEVATION
- Traffic Signal Head TRAFFIC SIGNAL HEAD
- Tree TREE

**ABBREVIATIONS**

- CB CATCH BASIN
- (E) EXISTING
- HYD HYDRANT
- MH MANHOLE
- MISC MISCELLANEOUS STRUCTURE
- RRFB RECTANGULAR RAPID FLASHING BEACON
- SL STREET LIGHTING
- TS TRAFFIC SIGNAL
- UB UTILITY BOX

**APPLICABLE STANDARD PLANS**

**CITY OF ALBANY STANDARD PLANS WITH SPECIAL PROVISIONS**


- ST-1 AC DIKE, CURB AND GUTTER DETAIL
- ST-2 DRIVEWAY TYPE 1
- ST-4 SIDEWALK: TYPE 1 AND 2
- ST-5 CURB AND SIDEWALK JOINTS
- ST-6 CURB, GUTTER & SIDEWALK REPAIRS
- ST-8 LEGEND AND NOTES - SIDEWALK, DRIVEWAY AND CURB AND GUTTER
- ST-9.1 CURB RAMP DETAILS (CASE A)
- ST-9.8 CURB RAMP DETAILS (CASE G)
- ST-9.10 CURB RAMP DETAILS - GROOVING AND DOMES
- ST-11 STREET & TRAFFIC SIGN MOUNTING STANDARDS
- ST-12 SIGN ANCHOR DETAIL
- ST-13 TRENCH SURFACE RESTORATION DETAIL
- ST-17 NPDES MEDALLION
- \*\*LIST NOT ALL INCLUSIVE

KIP 7000.CTB

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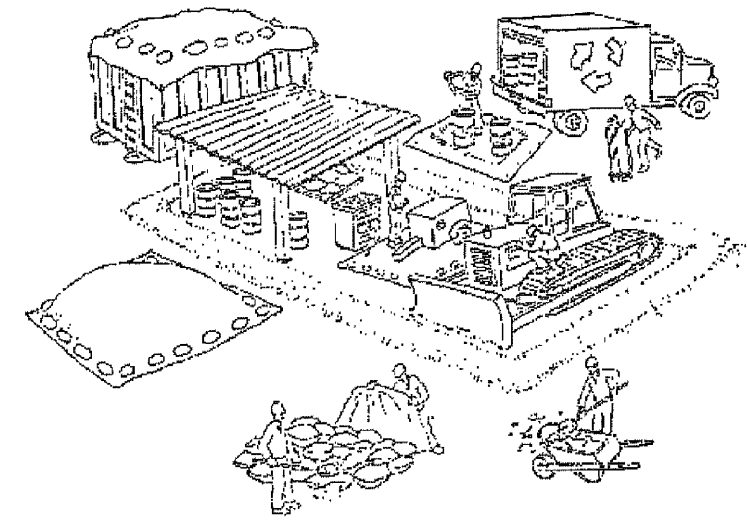
SAN PABLO AVENUE AND BUCHANAN STREET PEDESTRIAN SAFETY IMPROVEMENTS

GENERAL NOTES, ABBREVIATIONS AND LEGEND

SHEET: **C-0.2** DWG No. (CIVIL SHEETS ONLY) 03 OF 30

PRELIMINARY 35% CONSTRUCTION DOCUMENTS SUBMITTAL (07/21/2017)

# Pollution Prevention - It's Part of the Plan



## Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution and damage to creeks and the San Francisco Bay. Construction activities can directly affect the health of creeks and the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines and the project specifications will ensure your compliance with County of Alameda requirements.

### Materials storage & spill cleanup

#### Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet (3 meters) from catch basins. All construction material must be covered with a tarp and contained with a perimeter control during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep or vacuum streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities. Comply with Alameda County Ordinances for recycling construction materials, wood, gyp board, pipe, etc.
- ✓ Check dumpsters regularly for leaks and to make sure they are not overfilled. Repair or replace leaking dumpsters promptly.
- ✓ Cover all dumpsters with a tarp at the end of every work day or during wet weather.

#### Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state, and federal regulations.
- ✓ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecasted.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecasted within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

#### Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Dispose of all containment and cleanup materials properly.
- ✓ Report any hazardous materials spills immediately! Dial 911 or Alameda County Public Works Agency dispatch at (510) 670-5500

#### Construction Entrances and Perimeter

- ✓ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ✓ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking.

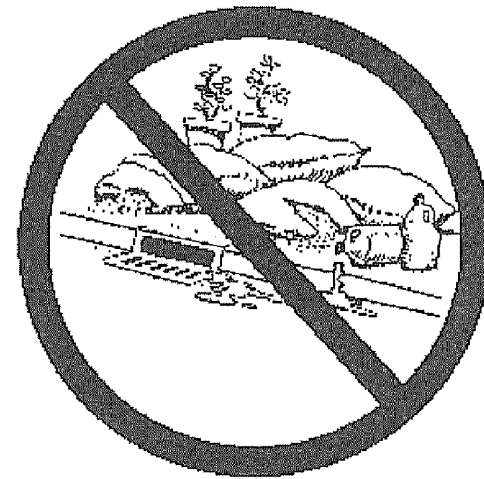
### Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



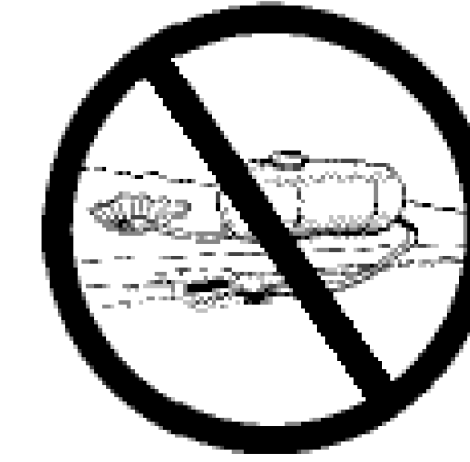
### Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it will not collect in the street.
- ✓ Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use fiber rolls, silt fences, or other control measures to minimize the flow of silt off the site.
- ✓ Earth moving activities are only allowed during dry weather by permit and as approved by the County Inspector in the Field.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place fiber rolls down-slope until soil is secure.
- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call the Engineer for help in determining what should be done, and manage disposal of contaminated soil according to their instructions.



### Dewatering operations

- ✓ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance.
- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to notify and obtain approval from the Engineer before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the Engineer to determine what testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

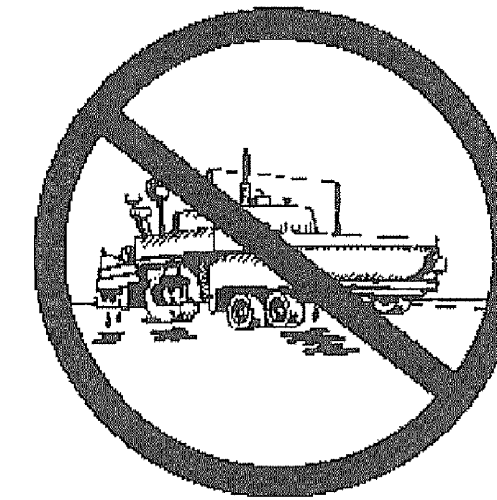


### Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or sand/gravel bags to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

### Paving/asphalt work

- ✓ Always cover storm drain inlets and manholes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Protect gutters, ditches, and drainage courses with sand/gravel bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.



### Concrete, grout, and mortar storage & waste disposal

- ✓ Store concrete, grout, and mortar under cover, on pallets, and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or into contained washout areas that will not allow discharge of wash water onto the underlying soil or onto the surrounding areas.
- ✓ Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal off site.



### Painting

- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



### Landscape Materials

- ✓ Contain, cover, and store on pallets all stockpiled landscape materials (mulch, compost, fertilizers, etc.) during wet weather or when rain is forecasted or when not actively being used within 14 days.
- ✓ Discontinue the application of any erodible landscape material within 2 days of forecasted rain and during wet weather.

Storm drain polluters may be liable for fines of \$10,000 or more per day!

For references and more detailed information:  
[www.cleanwaterprogram.org](http://www.cleanwaterprogram.org)  
[www.cabmphandbooks.com](http://www.cabmphandbooks.com)

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FAX: (925) 940-2299

CLIENT:

MARK HURLEY, CITY OF ALBANY  
ENGINEER HAS REVIEWED AND  
APPROVED THE PLANS FOR  
GENERAL CONFORMANCE WITH THE  
CITY OF ALBANY STANDARD  
SPECIFICATIONS AND ORDINANCES

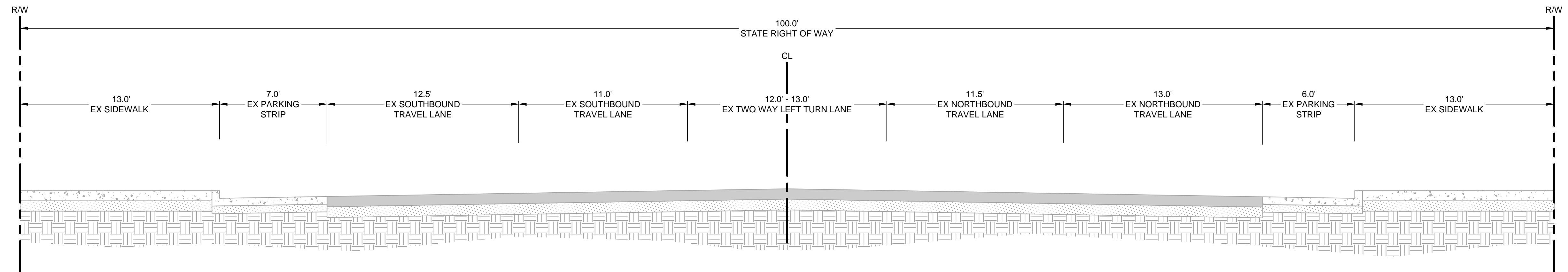
*City of Albany*

SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS

POLLUTION PREVENTION

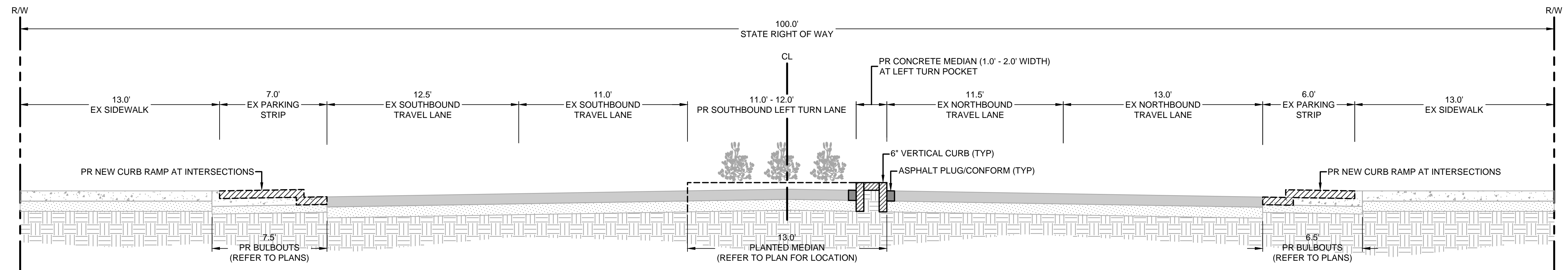
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D



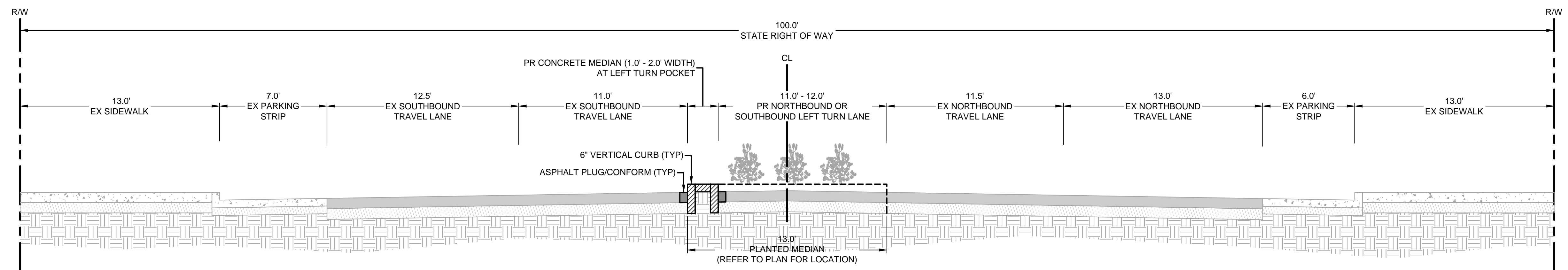
**EXISTING TYPICAL STREET CROSS SECTION**  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN CARLSON BOULEVARD AND WASHINGTON AVENUE  
 NOT TO SCALE

C



**A TYPICAL STREET CROSS SECTION**  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN BRIGHTON AVENUE AND CLAY STREET  
 NOT TO SCALE  
 (SEE SHEET C-3.1)

B



**B TYPICAL STREET CROSS SECTION**  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN CLAY STREET AND GARFIELD AVENUE  
 NOT TO SCALE  
 (SEE SHEET C-3.1)

A

REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN

DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

REGISTRATION:

**BKF 100+ YEARS**  
 ENGINEERS . SURVEYORS . PLANNERS

1646 N. CALIFORNIA BLVD, STE 400  
 WALNUT CREEK, CA 94596  
 PH: (925) 940-2200  
 FAX: (925) 940-2299

CLIENT:

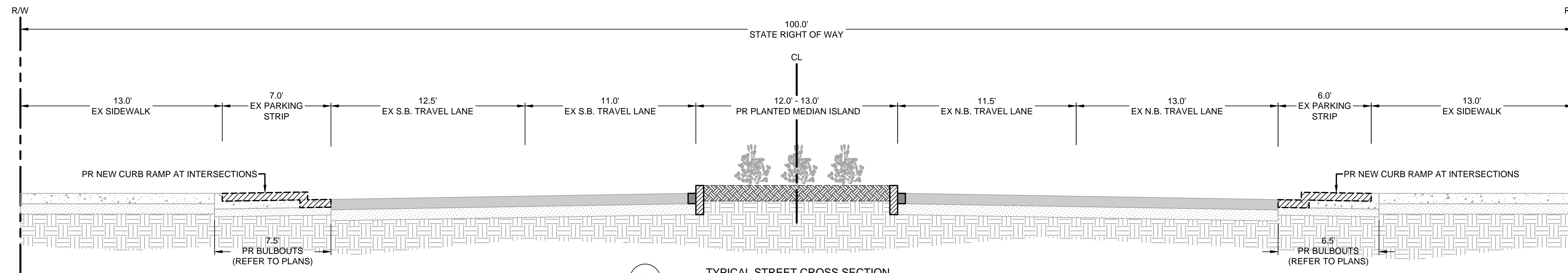
MARK HURLEY, CITY OF ALBANY  
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*City of Albany*

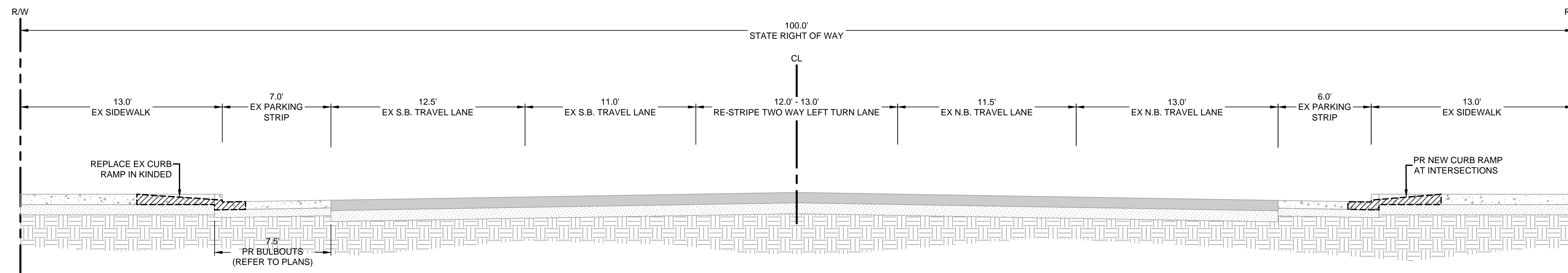
**SAN PABLO AVENUE AND  
 BUCHANAN STREET PEDESTRIAN  
 SAFETY IMPROVEMENTS**

**TYPICAL SECTIONS**

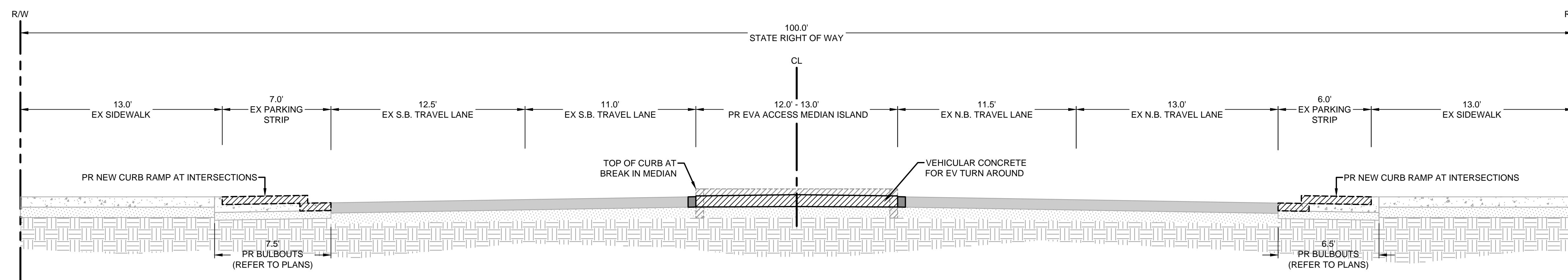
SHEET: **C-1.0** DWG No. (CIVIL SHEETS ONLY)  
 05 OF 30



**C** TYPICAL STREET CROSS SECTION  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN GARFIELD AVENUE AND CASTRO STREET &  
 BETWEEN PORTLAND AVENUE AND WASHINGTON AVENUE  
 NOT TO SCALE  
 (SEE SHEET C-3.1 & C-4.2)



**D** TYPICAL STREET CROSS SECTION  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN CASTRO STREET AND PORTLAND AVENUE  
 NOT TO SCALE  
 (SEE SHEET C-4.2)



**E** EV ACCESS THROUGH MEDIAN  
 SAN PABLO AVENUE CORRIDOR  
 BETWEEN PORTLAND AVENUE AND WASHINGTON AVENUE  
 NOT TO SCALE  
 (SEE SHEET C-X.X)

REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN

DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

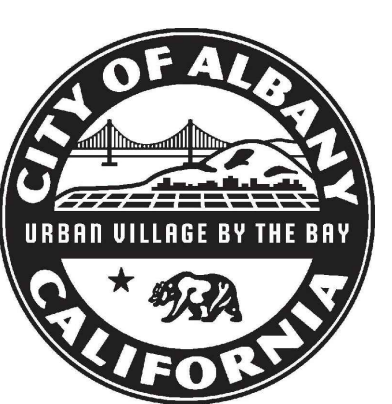
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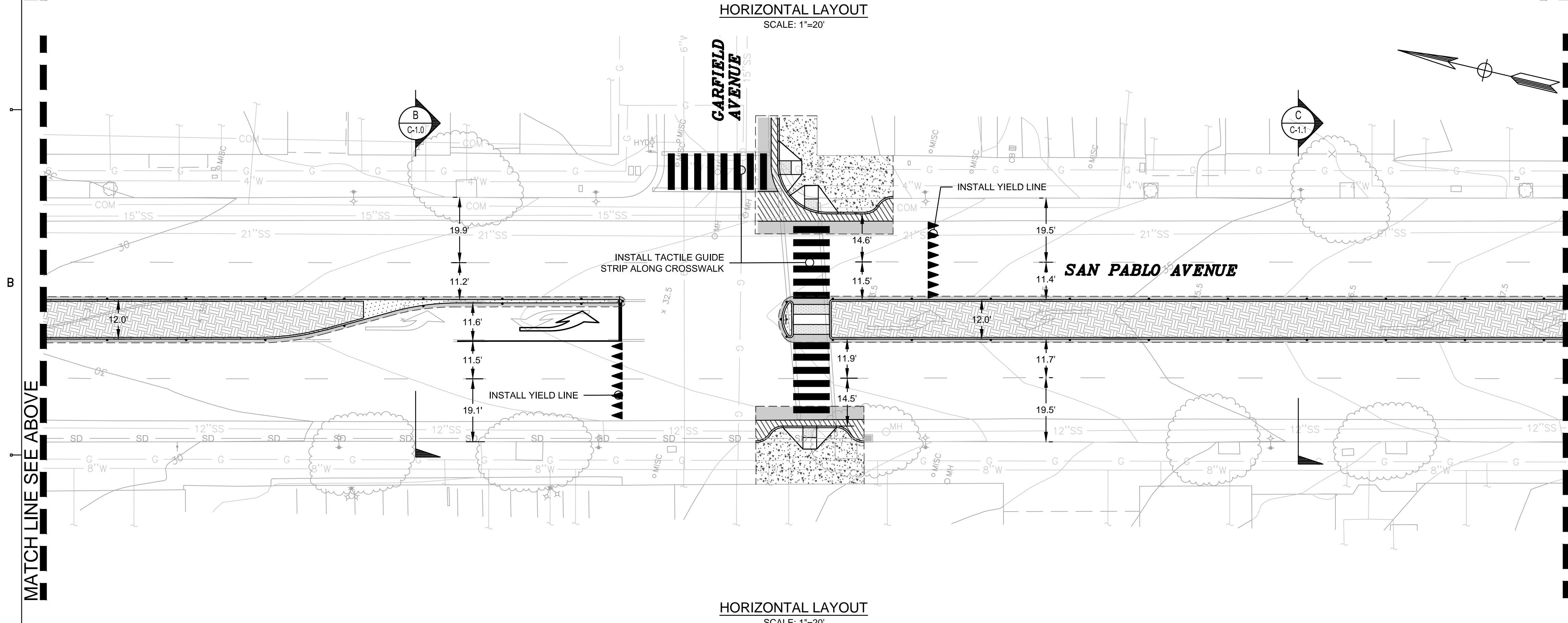
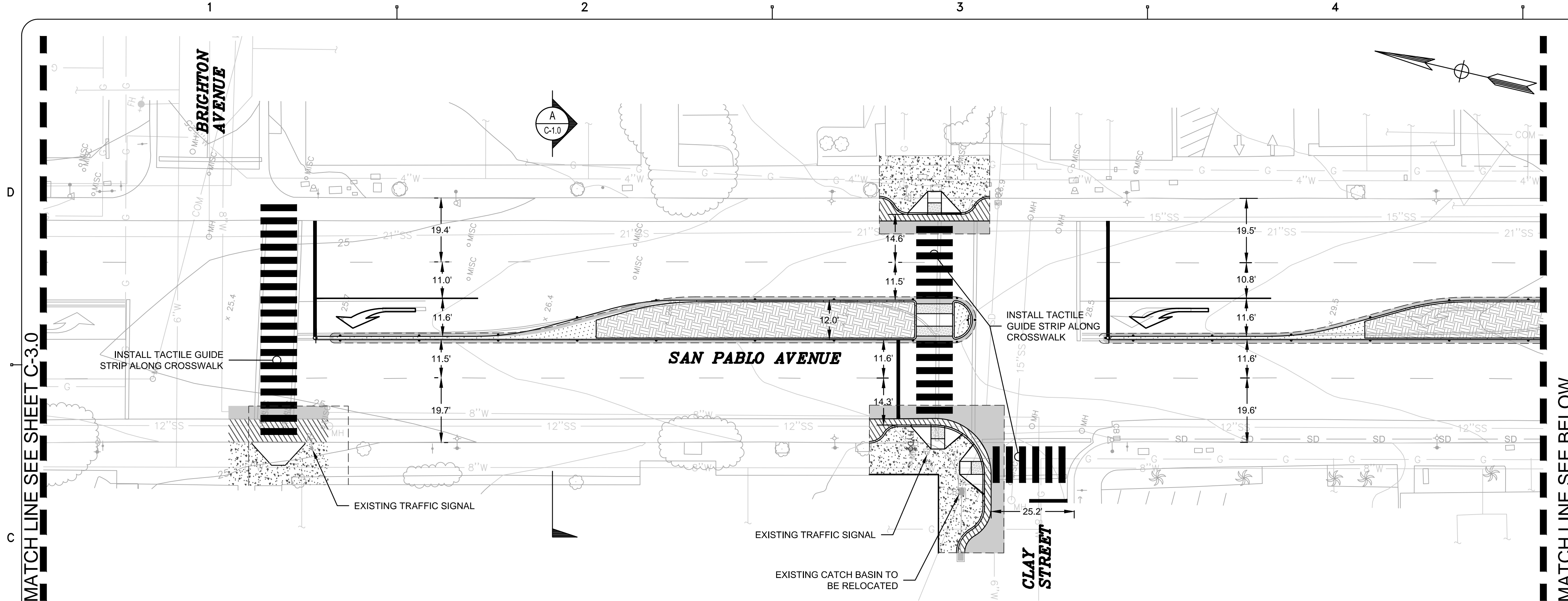


*City of Albany*

SAN PABLO AVENUE AND  
 BUCHANAN STREET PEDESTRIAN  
 SAFETY IMPROVEMENTS

TYPICAL SECTIONS

SHEET: **C-1.1** DWG No. (CIVIL SHEETS ONLY)  
 06 OF 30



**LEGEND**

- LIMIT OF WORK
- CONCRETE MEDIAN
- CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
- AC PLUG
- LANDSCAPE AREA  
SEE NOTE 7
- AC PAVEMENT
- CONCRETE ROADWAY
- CONCRETE GUTTER
- HAWK PEDESTRIAN SIGNAL
- RECTANGULAR RAPID FLASHING BEACON

- HORIZONTAL LAYOUT NOTES**
1. THE UTILITIES SHOWN ON THIS PLAN AREA ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  2. ALL WORK SHALL CONFORM TO CURRENT CITY STANDARD PLANS UNLESS OTHERWISE NOTED.
  3. CONTRACTOR IS RESPONSIBLE TO LEGALLY DISPOSE OF ALL REMOVED MATERIAL.
  4. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED ON PLANS.
  5. ALL PROPOSED CROSSWALK STRIPING SHALL BE TEXTURED.
  6. ALL SIGNALIZED INTERSECTIONS SHALL BE RETROFITTED WITH AUDIBLE PEDESTRIAN SIGNALS.
  7. LANDSCAPE ON MEDIANS SHALL BE LOW HEIGHT. TREES TO BE PLANTED OUTSIDE OF VISIBILITY TRIANGLES.
  8. REFER TO SHEET C-0.2 FOR ADDITIONAL PROJECT NOTES, EXISTING LEGEND, AND ABBREVIATIONS.

**GRAPHIC SCALE**

( IN FEET )  
1 inch = 20 ft.

Know what's below.  
Call before you dig.

REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN

DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

REGISTRATION:

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ENGINEERS . SURVEYORS . PLANNERS

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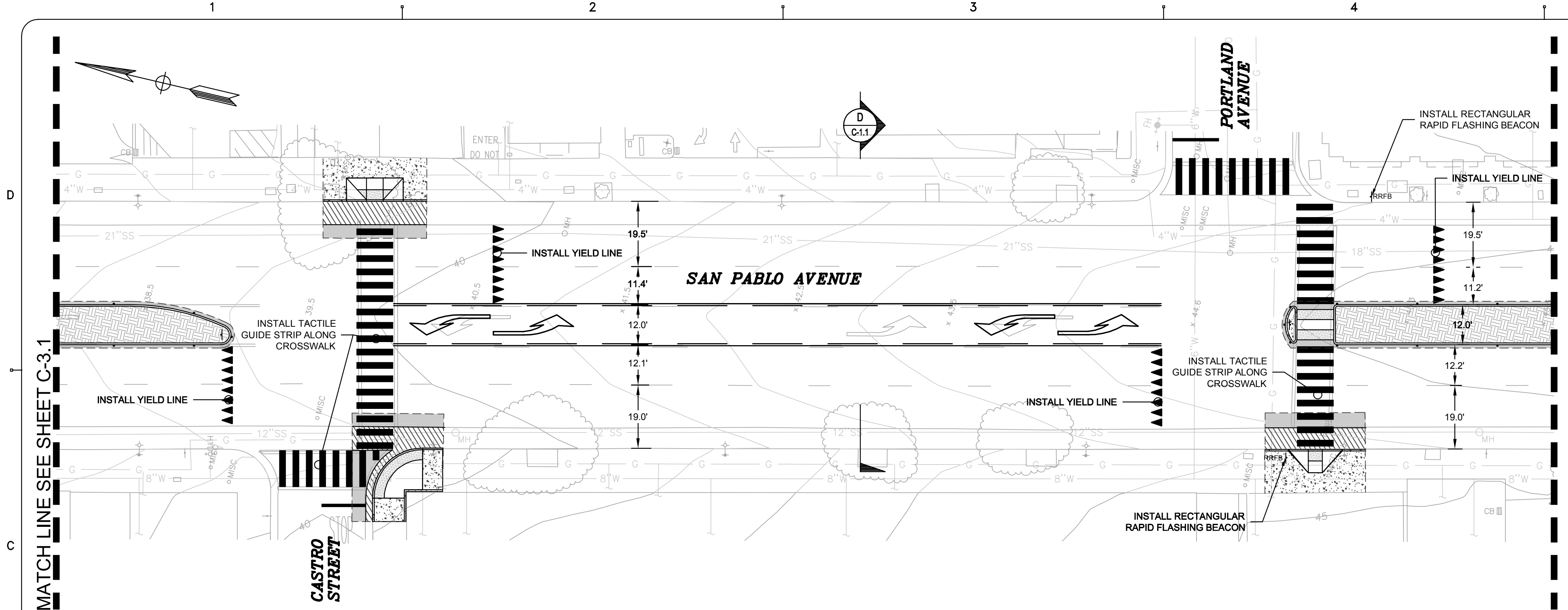


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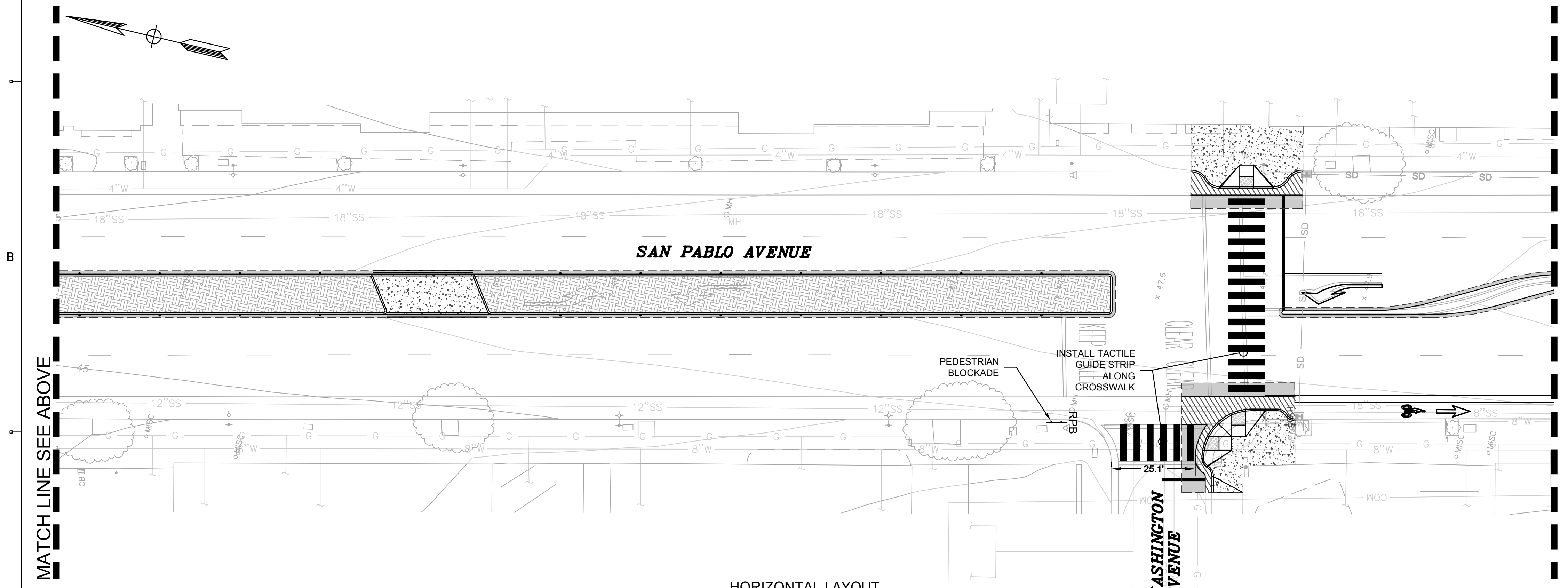
**SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS**

**HORIZONTAL LAYOUT  
SAN PABLO AVENUE**

SHEET: **C-3.1** DWG No. (CIVIL SHEETS ONLY)  
16 OF 30



HORIZONTAL LAYOUT  
SCALE: 1"=20'

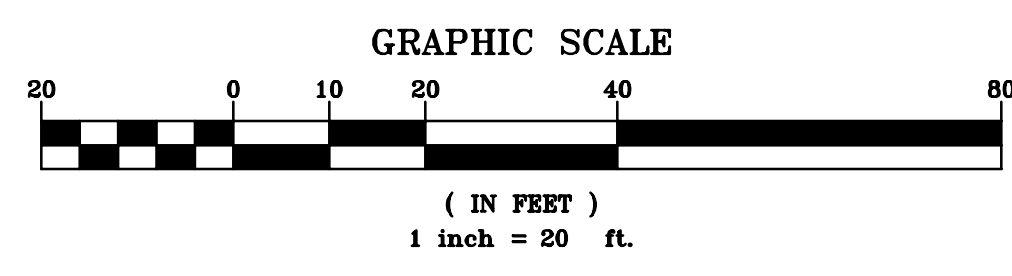


HORIZONTAL LAYOUT  
SCALE: 1"=20'

**LEGEND**

- LIMIT OF WORK
- CONCRETE MEDIAN
- CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
- AC PLUG
- LANDSCAPE AREA  
SEE NOTE 7
- AC PAVEMENT
- CONCRETE ROADWAY
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- HAWK PEDESTRIAN SIGNAL
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REV	DATE	DESCRIPTION

DESIGNED BY: C. BOMAN  
 DRAWN BY: C. BOMAN  
 CHECKED BY: J. YOUNG  
 REVIEWED BY: J. WHITE  
 DATE: JULY 21, 2017

REGISTRATION:

**BKF 100+**  
YEARS  
ENGINEERS . SURVEYORS . PLANNERS

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WALNUT CREEK, CA 94596  
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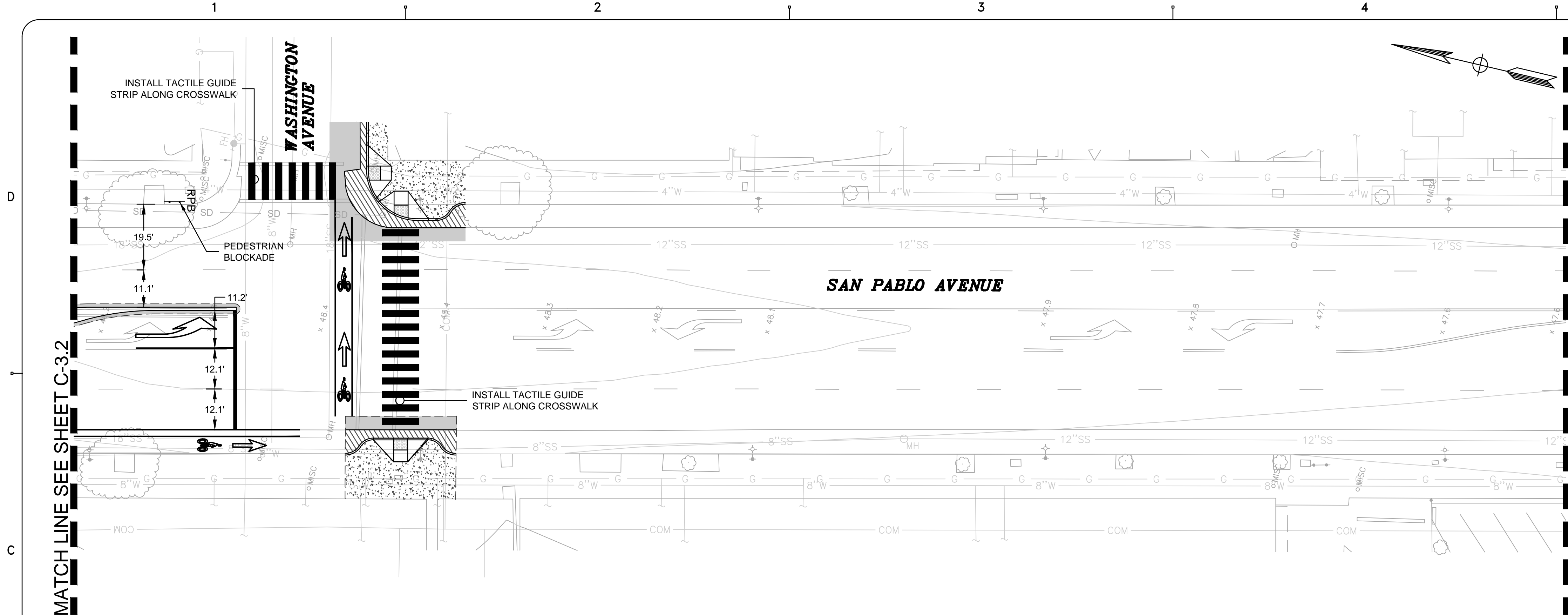
*City of Albany*

SAN PABLO AVENUE AND  
 BUCHANAN STREET PEDESTRIAN  
 SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
 SAN PABLO AVENUE

SHEET: **C-3.2** DWG No. (CIVIL SHEETS ONLY)  
 17 OF 30

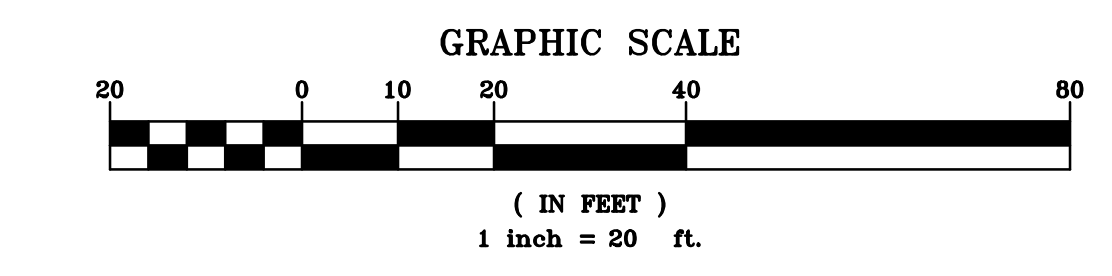
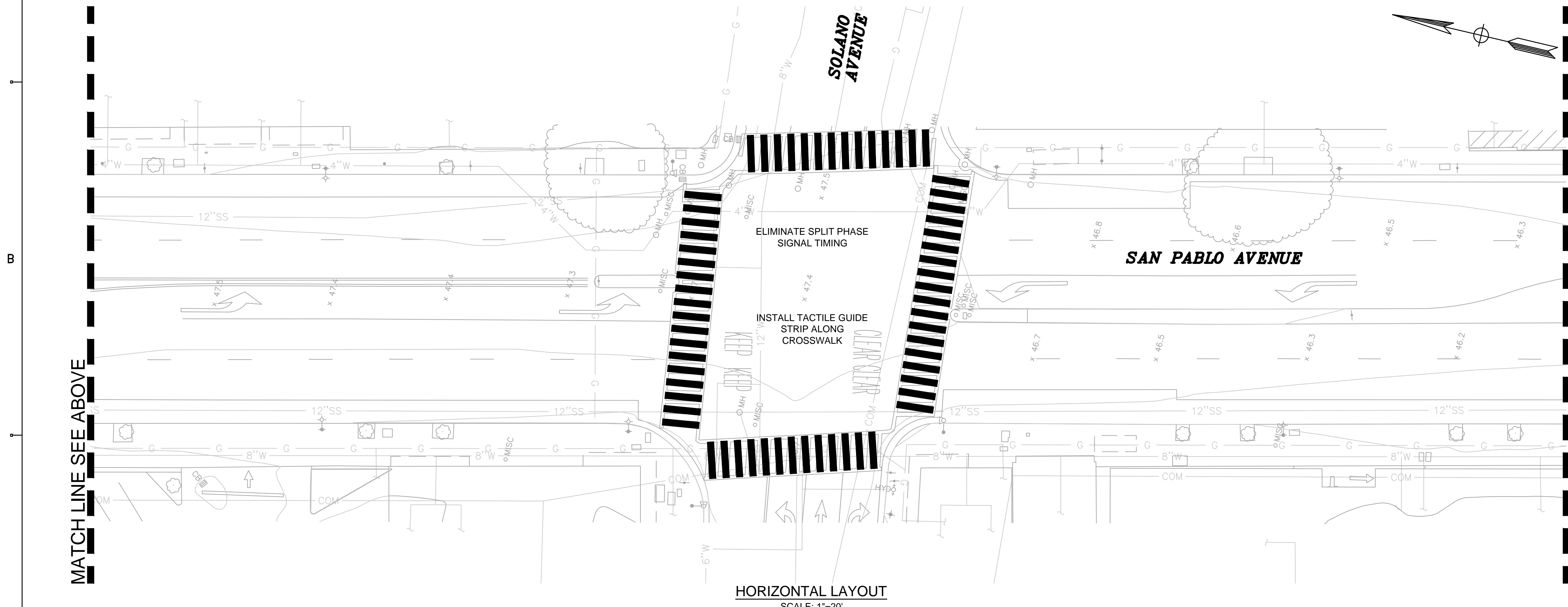




**LEGEND**

- LIMIT OF WORK
- CONCRETE MEDIAN
- CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
- AC PLUG
- LANDSCAPE AREA  
SEE NOTE 7
- AC PAVEMENT
- CONCRETE ROADWAY
- CONCRETE GUTTER
- HAWK PEDESTRIAN SIGNAL
- RECTANGULAR RAPID FLASHING BEACON

- HORIZONTAL LAYOUT NOTES**
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REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN

DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

REGISTRATION:

**BKF 100+ YEARS**  
ENGINEERS . SURVEYORS . PLANNERS

1646 N. CALIFORNIA BLVD, STE 400  
WALNUT CREEK, CA 94596  
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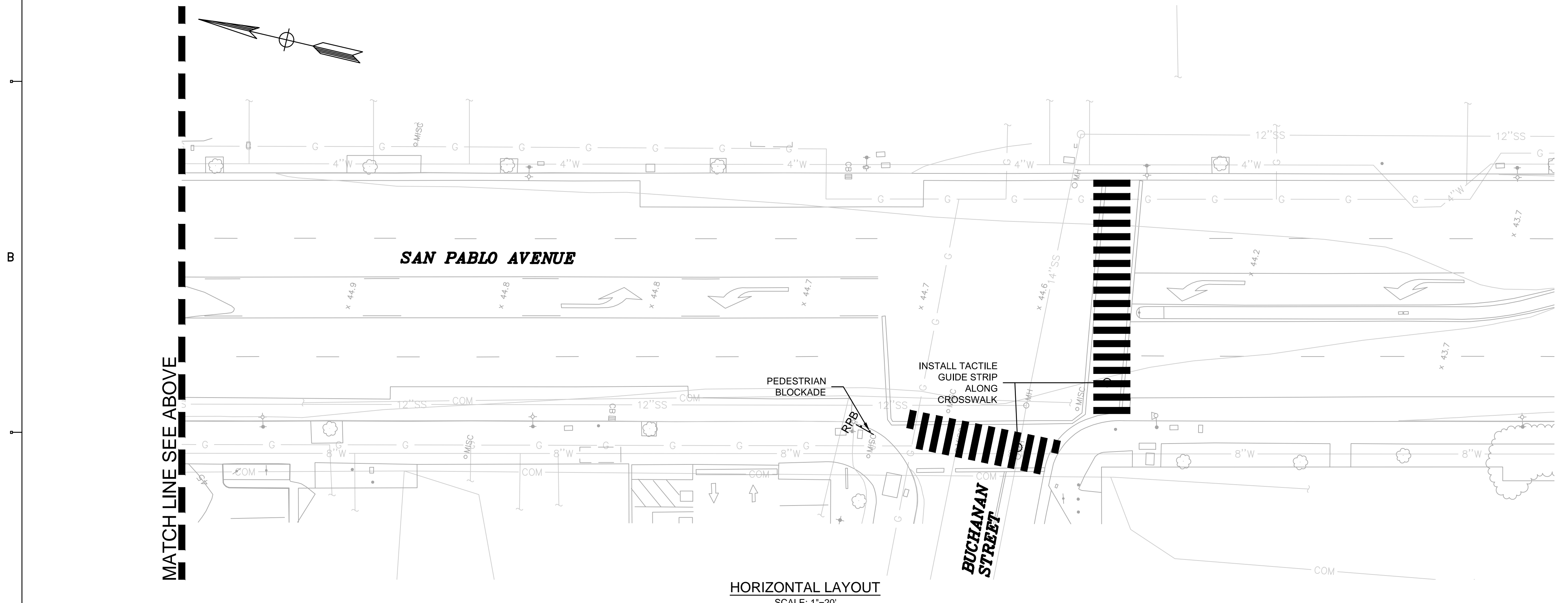
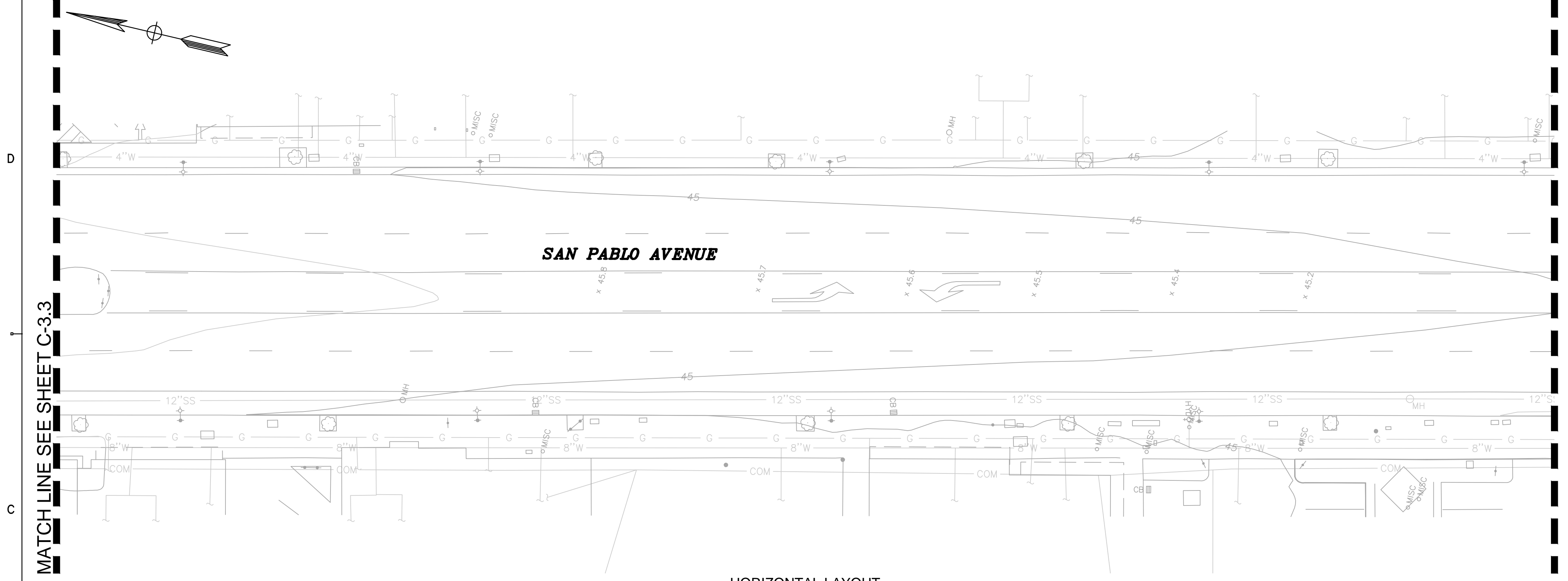
MARK HURLEY, CITY OF ALBANY  
ENGINEER HAS REVIEWED AND APPROVED THE PLANS FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

*City of Albany*


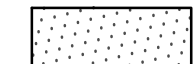
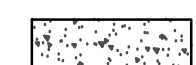

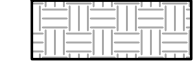



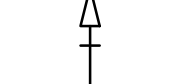

SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
SAN PABLO AVENUE

SHEET: **C-3.3** DWG No. (CIVIL SHEETS ONLY)  
18 OF 30

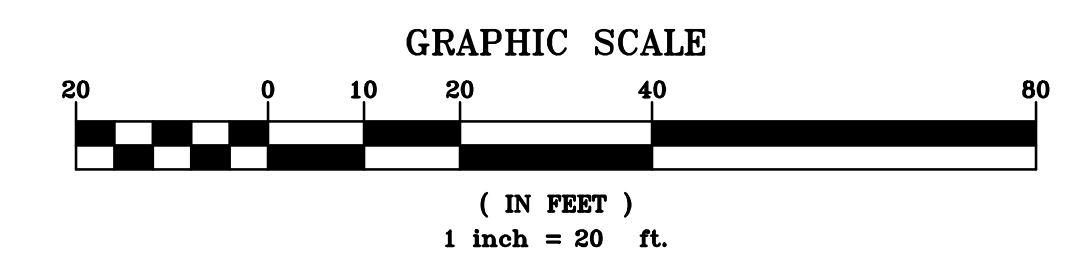


**LEGEND**

-  LIMIT OF WORK
-  CONCRETE MEDIAN
-  CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
-  AC PLUG
-  LANDSCAPE AREA  
SEE NOTE 7
-  AC PAVEMENT
-  CONCRETE ROADWAY
-  CONCRETE GUTTER
-  HAWK PEDESTRIAN SIGNAL
-  RECTANGULAR RAPID FLASHING BEACON

**HORIZONTAL LAYOUT NOTES**

1. THE UTILITIES SHOWN ON THIS PLAN AREA ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
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REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN


DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

REGISTRATION:




**BKF 100+**  
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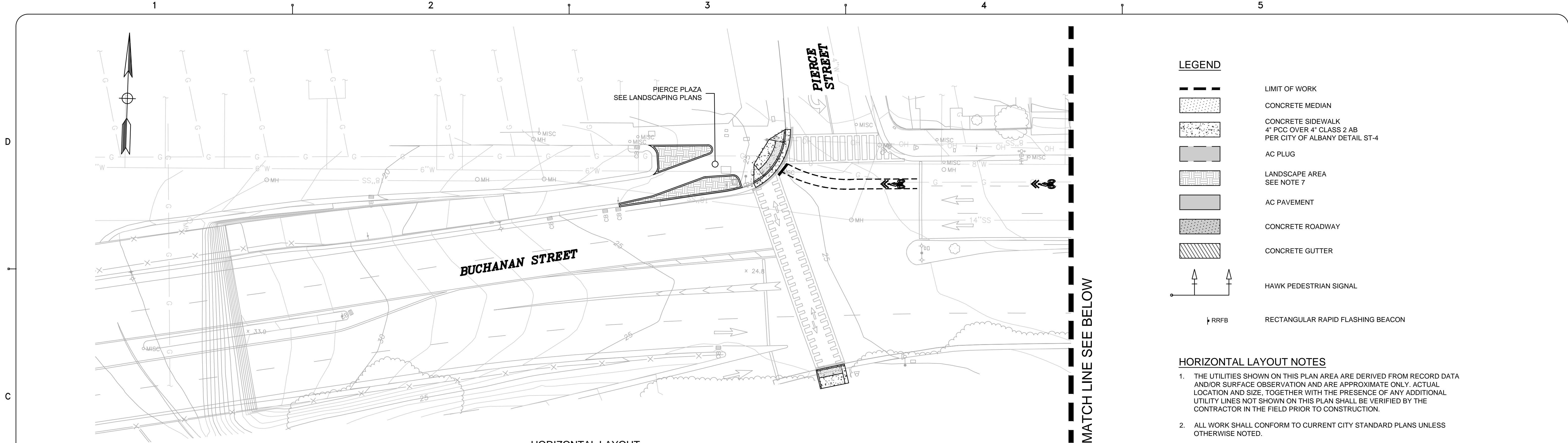


*City of Albany*

SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
SAN PABLO AVENUE

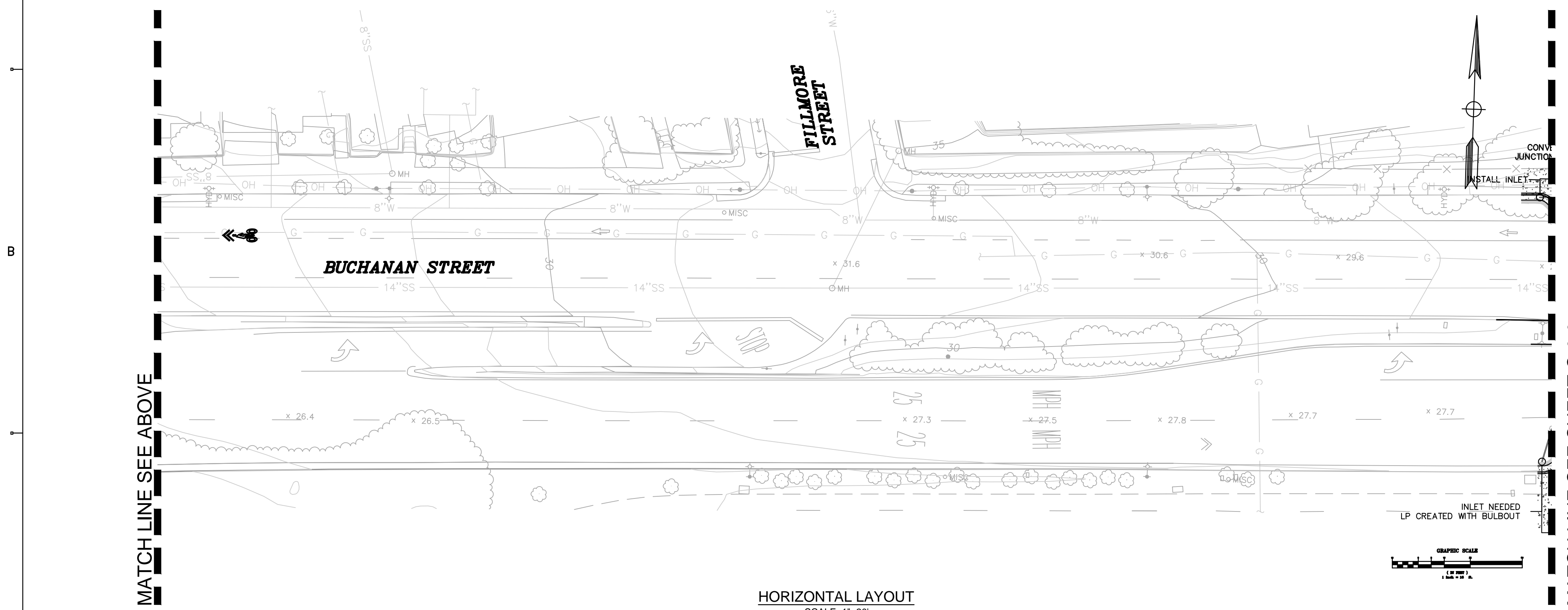
SHEET: **C-3.4** DWG No. (CIVIL SHEETS ONLY)  
19 OF 30



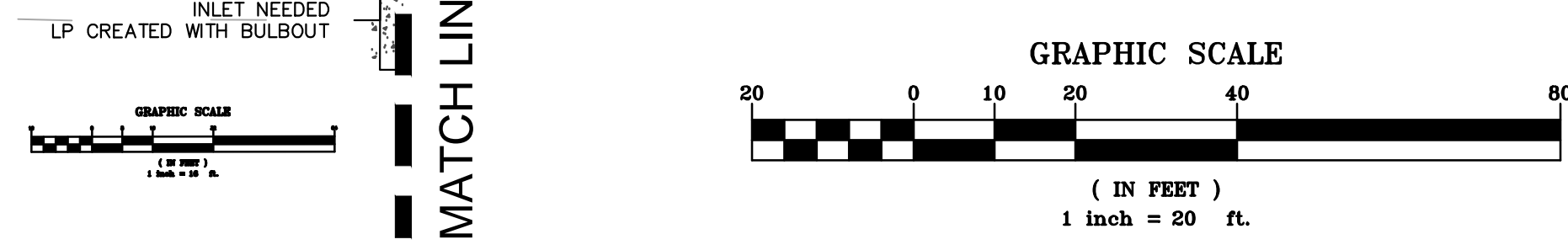
**HORIZONTAL LAYOUT**  
SCALE: 1"=20'

- LEGEND**
- LIMIT OF WORK
  - CONCRETE MEDIAN
  - CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
  - AC PLUG
  - LANDSCAPE AREA  
SEE NOTE 7
  - AC PAVEMENT
  - CONCRETE ROADWAY
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  - HAWK PEDESTRIAN SIGNAL
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**HORIZONTAL LAYOUT**  
SCALE: 1"=20'



REV	DATE	DESCRIPTION

DESIGNED BY:  
C. BOMAN

DRAWN BY:  
C. BOMAN

CHECKED BY:  
J. YOUNG

REVIEWED BY:  
J. WHITE

DATE:  
JULY 21, 2017

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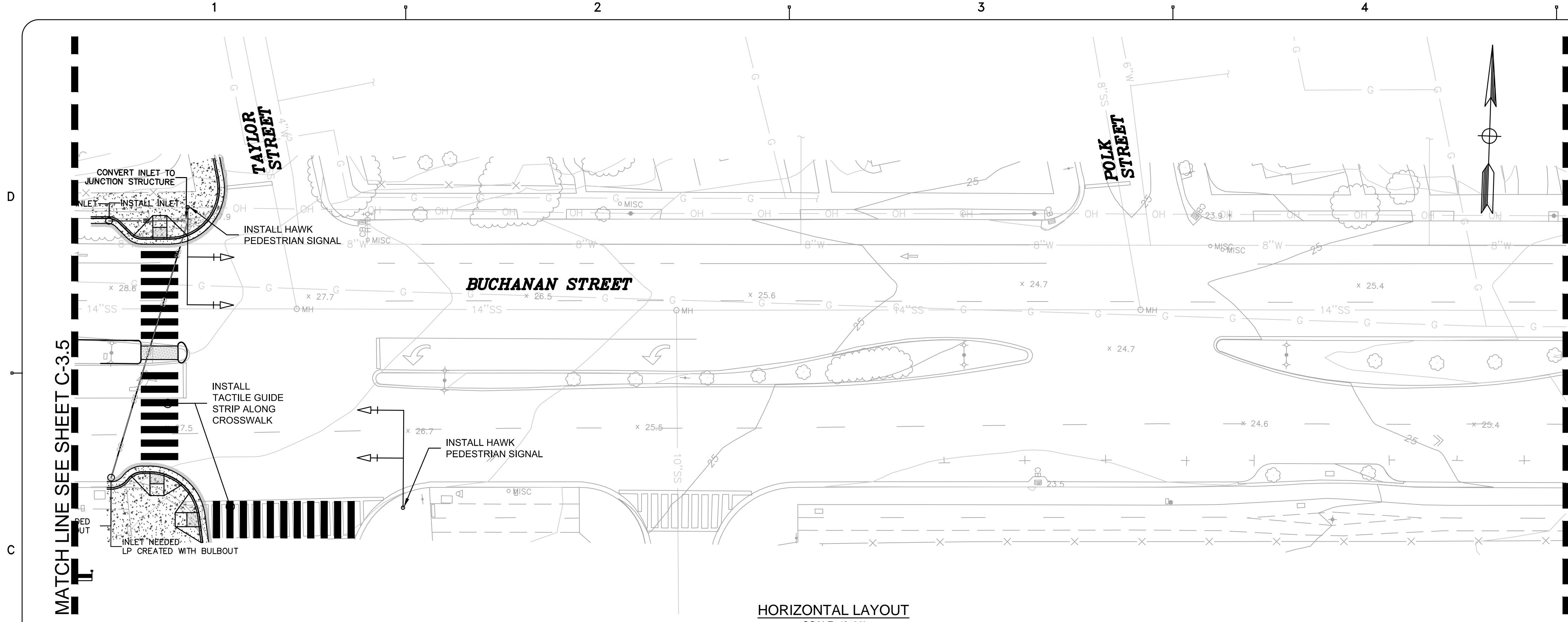


*City of Albany*

SAN PABLO AVENUE AND  
BUCHANAN STREET PEDESTRIAN  
SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
BUCHANAN STREET

SHEET: **C-3.5** DWG No. (CIVIL SHEETS ONLY)  
20 OF 30

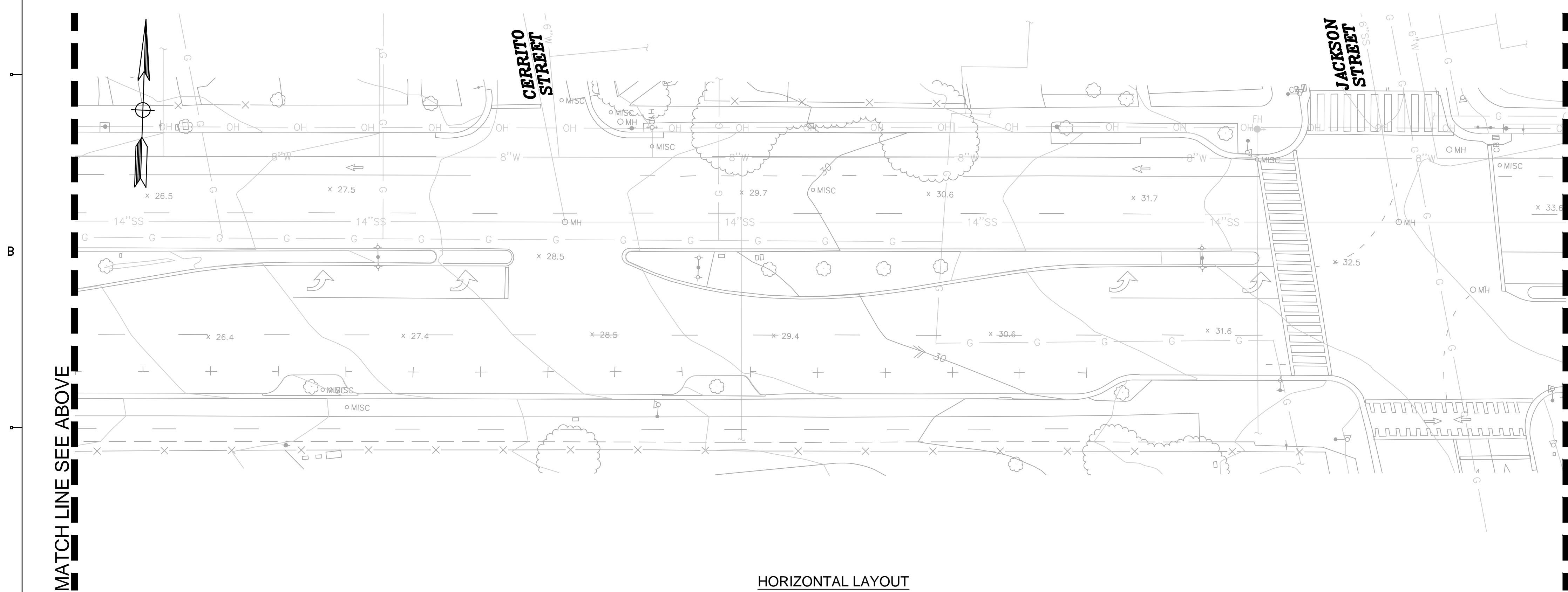


HORIZONTAL LAYOUT  
SCALE: 1"=20'

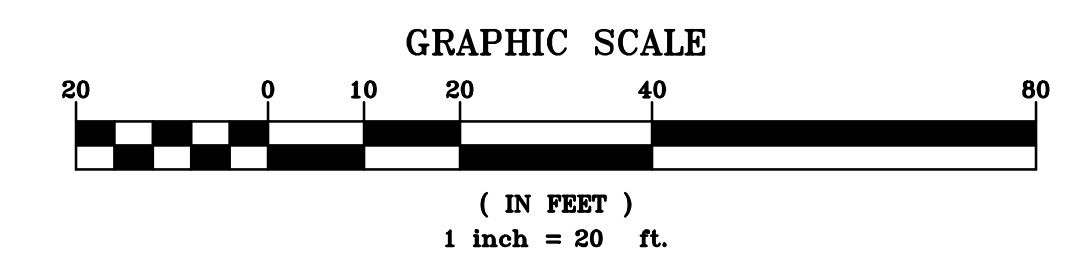
- LEGEND**
- LIMIT OF WORK
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PER CITY OF ALBANY DETAIL ST-4
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  6. ALL SIGNALIZED INTERSECTIONS SHALL BE RETROFITTED WITH AUDIBLE PEDESTRIAN SIGNALS.
  7. LANDSCAPE ON MEDIANS SHALL BE LOW HEIGHT. TREES TO BE PLANTED OUTSIDE OF VISIBILITY TRIANGLES.
  8. REFER TO SHEET C-0.2 FOR ADDITIONAL PROJECT NOTES, EXISTING LEGEND, AND ABBREVIATIONS.

**NO PROPOSED STREETScape IMPROVEMENTS ON THIS SHEET**



HORIZONTAL LAYOUT  
SCALE: 1"=20'



REV	DATE	DESCRIPTION

DESIGNED BY: C. BOMAN  
 DRAWN BY: C. BOMAN  
 CHECKED BY: J. YOUNG  
 REVIEWED BY: J. WHITE  
 DATE: JULY 21, 2017

REGISTRATION:

**BKF 100+ YEARS**  
 ENGINEERS . SURVEYORS . PLANNERS  
 1646 N. CALIFORNIA BLVD, STE 400  
 WALNUT CREEK, CA 94596  
 PH: (925) 940-2200  
 FAX: (925) 940-2299

CLIENT:

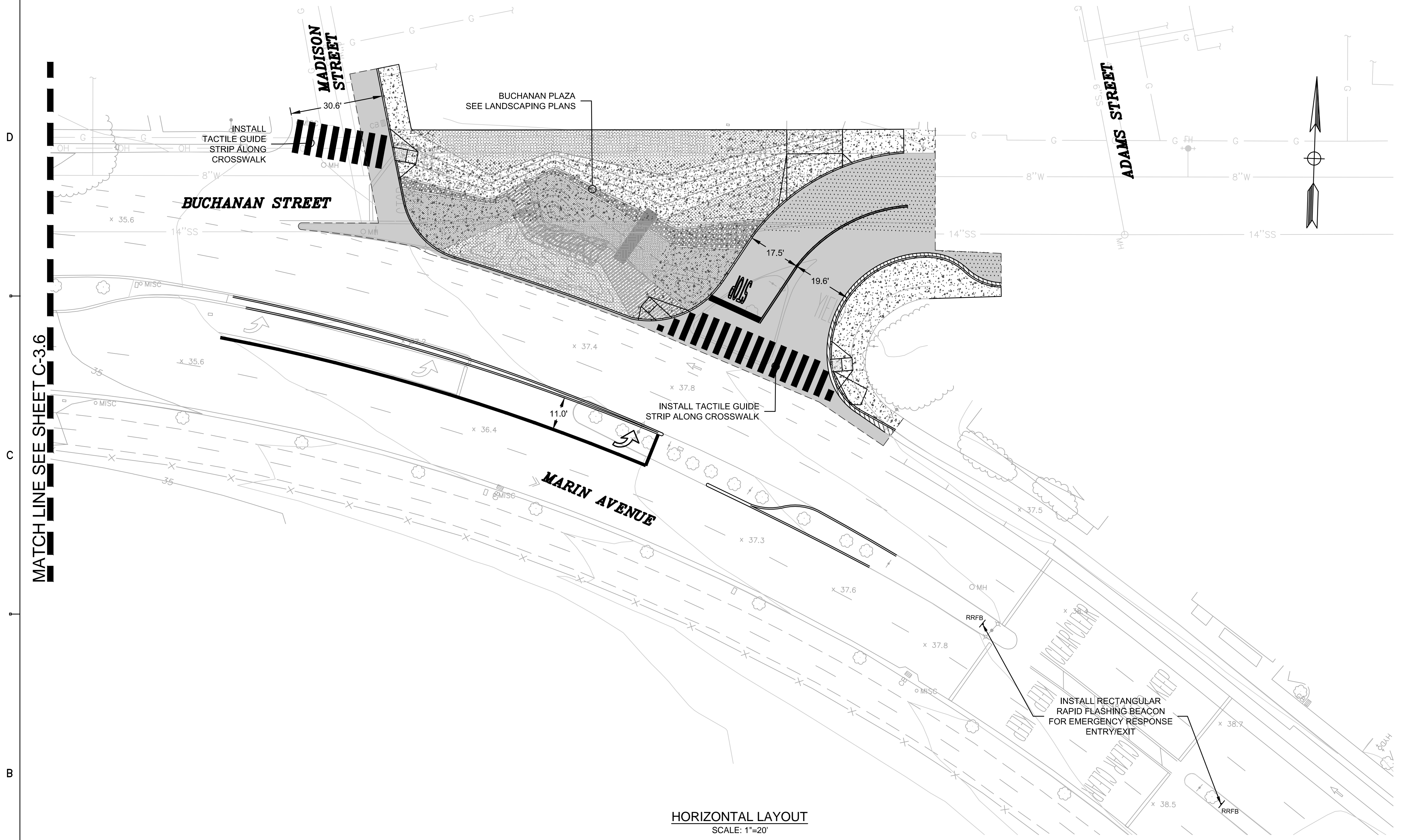
MARK HURLEY, CITY OF ALBANY  
 ENGINEER HAS REVIEWED AND APPROVED THE PLANS FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

*City of Albany*

SAN PABLO AVENUE AND  
 BUCHANAN STREET PEDESTRIAN  
 SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
 BUCHANAN STREET

SHEET: **C-3.6** DWG No. (CIVIL SHEETS ONLY) 21 OF 30

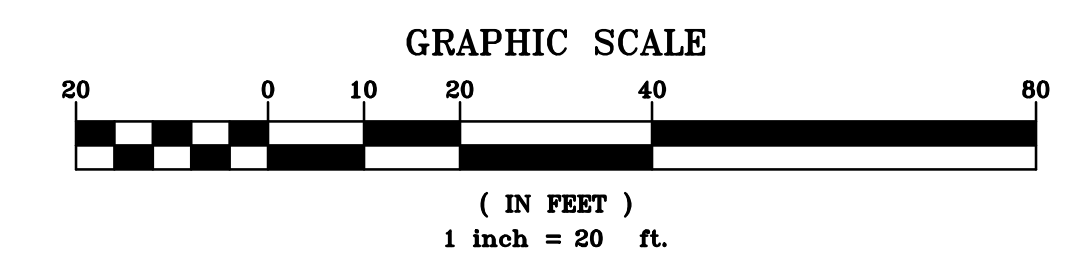


**LEGEND**

- LIMIT OF WORK
- CONCRETE MEDIAN
- CONCRETE SIDEWALK  
4" PCC OVER 4" CLASS 2 AB  
PER CITY OF ALBANY DETAIL ST-4
- AC PLUG
- LANDSCAPE AREA  
SEE NOTE 7
- AC PAVEMENT
- CONCRETE ROADWAY
- CONCRETE GUTTER
- HAWK PEDESTRIAN SIGNAL
- RRFB RECTANGULAR RAPID FLASHING BEACON

- HORIZONTAL LAYOUT NOTES**
1. THE UTILITIES SHOWN ON THIS PLAN AREA ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
  2. ALL WORK SHALL CONFORM TO CURRENT CITY STANDARD PLANS UNLESS OTHERWISE NOTED.
  3. CONTRACTOR IS RESPONSIBLE TO LEGALLY DISPOSE OF ALL REMOVED MATERIAL.
  4. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED ON PLANS.
  5. ALL PROPOSED CROSSWALK STRIPING SHALL BE TEXTURED.
  6. ALL SIGNALIZED INTERSECTIONS SHALL BE RETROFITTED WITH AUDIBLE PEDESTRIAN SIGNALS.
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**HORIZONTAL LAYOUT**  
SCALE: 1"=20'



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DESIGNED BY:  
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*City of Albany*

SAN PABLO AVENUE AND  
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SAFETY IMPROVEMENTS

HORIZONTAL LAYOUT  
BUCHANAN STREET

SHEET: **C-3.7** DWG No. (CIVIL SHEETS ONLY)  
22 OF 30