

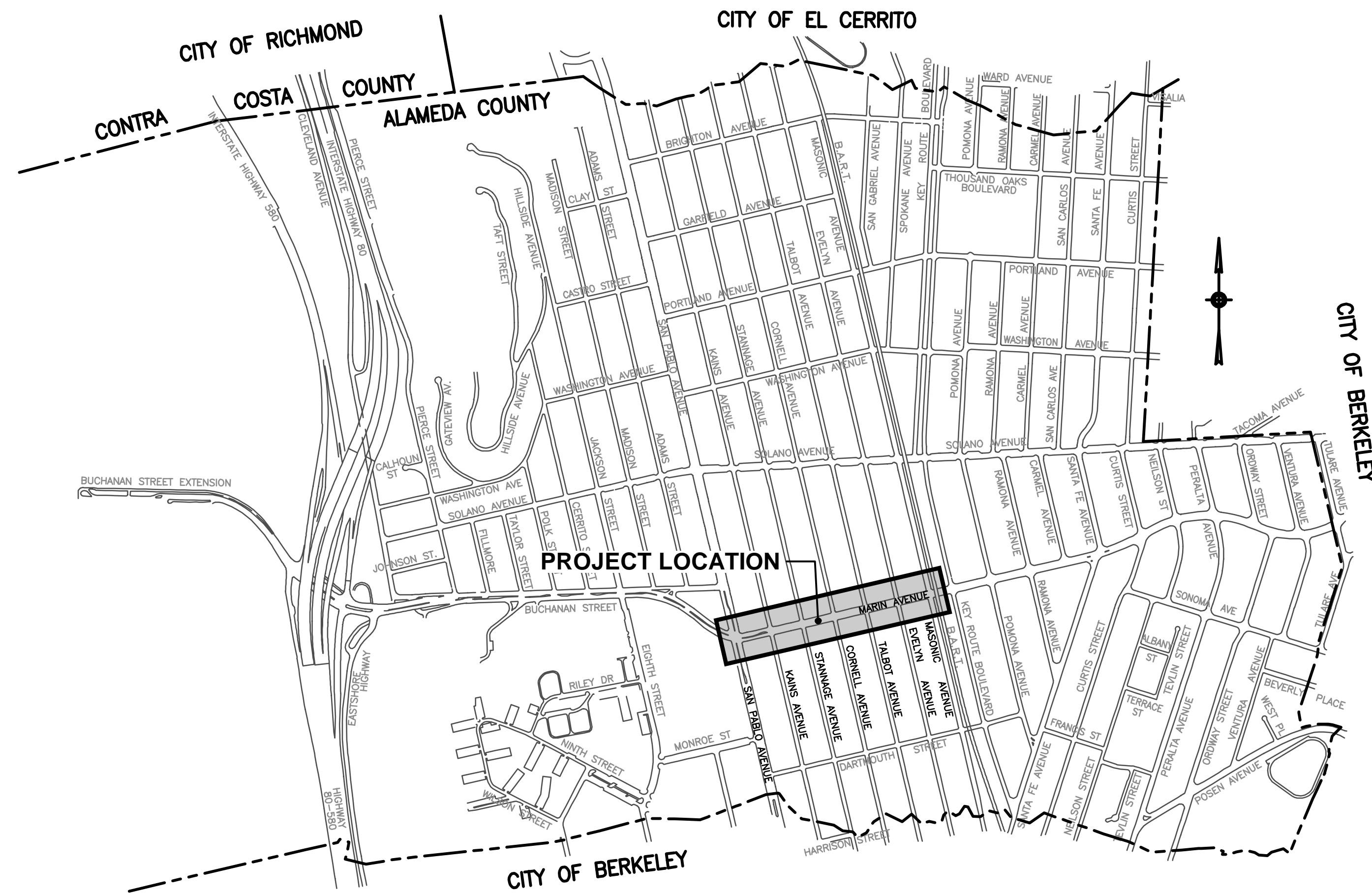
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

SAN PABLO AVENUE TO MASONIC AVENUE
ALAMEDA COUNTY, CALIFORNIA

City of Albany

CONTRACT NO. C17-1

JANUARY 2017



VICINITY MAP

NOT TO SCALE

CITY COUNCIL

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

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



APPROVED:
Mark Hurley
MARK HURLEY
PUBLIC WORKS DIRECTOR
01-20-16
DATE

USER = JOSEPH.YOUNG
PROJECT = KIP 7000.CTB
FILENAME = K:\C17-1\125178-1\DWG\SHEETS\01_TS.dwg
XREFS = APR14/2017
DATE = 1/19/2017 5:53:03 PM


CAUTION:
HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:


ENGINEERS / SURVEYORS / PLANNERS
 322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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

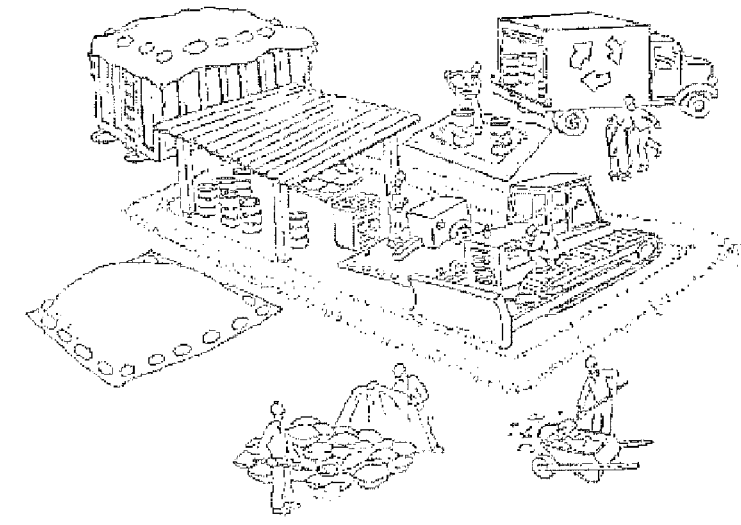


City of Albany
 MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

TITLE SHEET
 SHEET: C-1.0
 DWG No. (CIVIL SHEETS ONLY) 01 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)

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

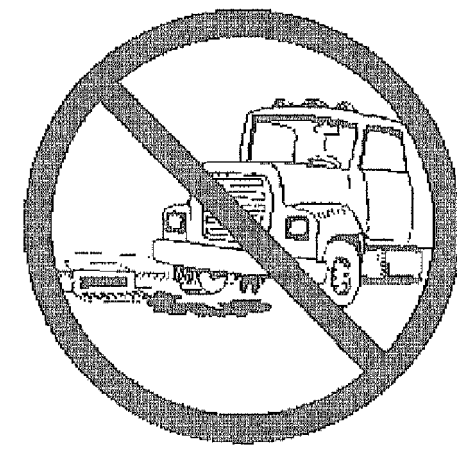
- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled 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.

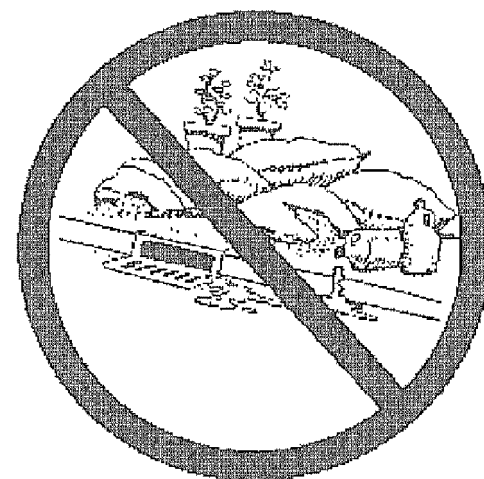
Vehicle and equipment maintenance & cleaning

- ✓ 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.



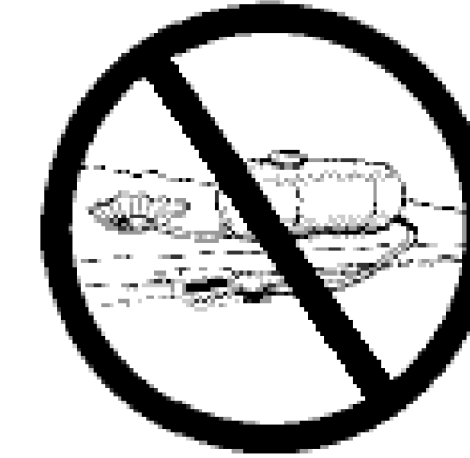
Earthwork & contaminated soils

- ✓ 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.

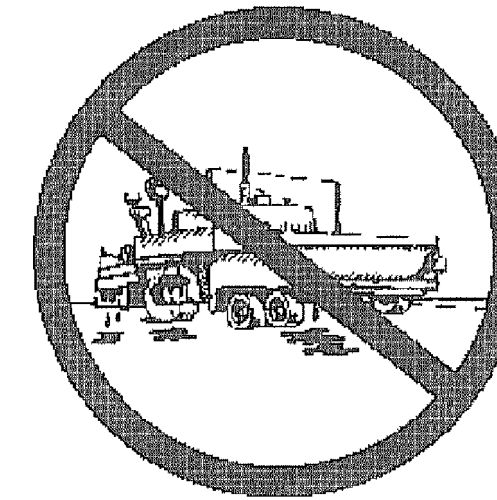


Saw cutting

- ✓ 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.

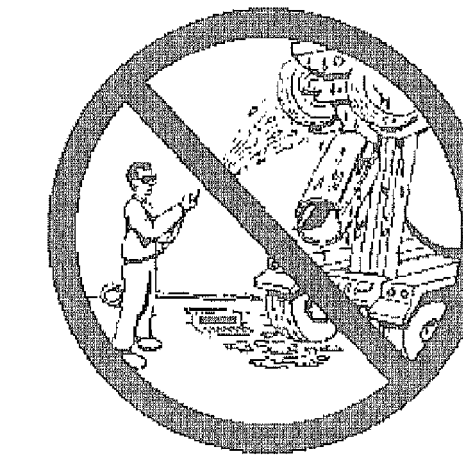
Paving/asphalt work

- ✓ 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
www.cabmphandbooks.com

<p>CAUTION: HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF) EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE</p>		
REV	DATE	DESCRIPTION

DESIGNED BY:	J. YOUNG
DRAWN BY:	J. YOUNG
CHECKED BY:	J. WHITE
REVIEWED BY:	R. STEVENS
DATE:	JANUARY 20, 2017

REGISTRATION:

322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

POLLUTION PREVENTION

SHEET: C-2.1 DWG No. (CIVIL SHEETS ONLY) 03 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)

GENERAL NOTES

- ALL WORK IS TO BE DONE UNDER THE DIRECTION OF THE ENGINEER
- CALTRANS STANDARD SPECIFICATIONS MAY 2010 AND STANDARD PLANS, MAY 2010 EDITIONS, 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 HIS 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.

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 2010 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 HIS DESIGN PRIOR TO CONSTRUCTION. ALL REVISIONS MUST BE APPROVED BY THE CITY OF ALBANY PUBLIC WORKS
- MAINTAIN ONE TEN-FOOT TRAFFIC LANE IN EACH DIRECTION IN PUBLIC STREETS AT ALL TIMES DURING WORKING HOURS OR PROVIDE FLAGGERS PER CALTRANS REQUIREMENTS.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL PRIOR TO STARTING ANY WORK IN THE PUBLIC STREETS.
- 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 HIS 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

— — — — —	RIGHT OF WAY LINE
— G —	GAS LINE
— E —	ELECTRICAL LINE
— SD —	STORM DRAIN LINE
— SS —	SANITARY SEWER LINE
— T —	TELEPHONE LINE (AT&T)
— W —	DOMESTIC WATER LINE
— X — X —	CHAIN LINK FENCE
=====	VERTICAL CURB
=====	CONCRETE CURB AND GUTTER
(M)	UTILITY MANHOLE
(D)	STORM DRAIN MANHOLE
(S)	SANITARY SEWER MANHOLE
(T)	TELEPHONE MANHOLE
+	JOINT POLE
EB□	ELECTRICAL BOX
—	GUY WIRE
CO*	SANITARY SEWER CLEANOUT
WM	WATER METER
WV*	WATER VALVE
FH*	FIRE HYDRANT
GV*	GAS VALVE
⊛	ELECTROLIER
6"⊛	TREE WITH DIAMETER
—	SIGN
←-+-----	VEHICLE SIGNAL FACE
⊞	PEDESTRIAN HEAD

ABBREVIATIONS

AB	AGGREGATE BASE	GV	GAS VALVE	SDMH	STORM DRAIN MANHOLE
AC	ASPHALT CONCRETE	HMA	HOT MIXED ASPHALT	SHDLR	SHOULDER
AT&T	AMERICAN TELEPHONE & TELEGRAPH	HORIZ	HORIZONTAL	SS	SANITARY SEWER
AWG	AMERICAN WIRE GAUGE	HP	HIGH POINT	SHT	SHEET
BC	BEGINNING OF CURVE	HPF	HIGH PRIORITY FACILITY	SIC	SIGNAL INTERCONNECT CABLE
BFP	BACKFLOW PREVENTOR	HPS	HIGH PRESSURE SODIUM	SIG	SIGNAL
BVC	BEGINNING OF VERTICAL CURVE	IISNS	INTERNALLY ILLUMINATES STREET NAME SIGN	SSMH	SANITARY SEWER MANHOLE
BW	BACK OF SIDEWALK	INV	INVERT GRADE ELEVATION	SW, SW	SIDEWALK
C&G	CURB AND GUTTER	JP	JOINT POLE	STA	STATION
CA	CALIFORNIA	L	LENGTH OF CURVE	STND	STANDARD
CB	CATCH BASIN	LF	LINEAR FEET	T	TELEPHONE
CL, C/L	CENTER LINE	LG	LIP OF GUTTER	TC	TOP OF CURB
CLF	CHAIN LINK FENCE	LT	LEFT	TCB	TRAFFIC CONTROL BOX
CO	CLEANOUT	LUM	LUMINARIES	TOU	TIME OF USE
COA	COUNTY OF ALAMEDA	MAS	MAST ARM MOUNTED VEHICLE SIGNAL FACES,	TSB	TRAFFIC SIGNAL BOX
CONC	CONCRETE		SIDE ATTACHMENT	TWLT	TWO WAY LEFT TURN LANE
CR	CURB RETURN	MAX	MAXIMUM	TYP	TYPICAL
DH	DETECTOR HANDHOLD	MIN	MINIMUM	UB	UTILITY BOX
DI	DRAINAGE INLET	MH	MANHOLE	UPRR	UNION PACIFIC RAILROAD
DIA	DIAMETER	MON	MONUMENT	UR	UTILITY RELOCATION
DLC	LOOP DETECTOR LEAD-IN CABLE	MTG	MOUNTING	UT	UTILITY
DW	DOMESTIC WATER	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	VC	VERTICAL CURVE
DWY	DRIVEWAY		NOT TO SCALE	VCP	VITRIFIED CLAY PIPE
DWG	DRAWING	NTS	NOT TO SCALE	VEH	VEHICLE
E	ELECTRIC	OC	ON CENTER	VERT	VERTICAL
EB	ELECTRICAL BOX	OH	OVERHEAD LINE	VLT	VAULT
EBMUD	EAST BAY MUNICIPAL UTILITY DISTRICT	PB	PULL BOX	W	WATER
EC	END OF CURVE	PCC	PORTLAND CEMENT CONCRETE	WM	WATER METER
ELEV	ELEVATION	PCR	POINT OF CURVE RETURN	WV	WATER VALVE
EP	EDGE OF PAVEMENT	PED	PEDESTRIAN		
EQUIP	EQUIPMENT	PPB	PEDESTRIAN PUSH BUTTON		
ESMT	EASEMENT	PG&E	PACIFIC GAS AND ELECTRIC COMPANY		
EV	ELECTRICAL	PGL	PROFILE GRADE LINE		
EVC	END OF VERTICAL CURVE	PR	PROPOSED		
EVP	EMERGENCY VEHICLE PREEMPTION	PRC	POINT OF REVERSE CURVATURE		
EX	EXISTING	PT	POINT		
FC	FACE OF CURB	PVC	POLYVINYL CHLORIDE		
FG	FINISHED GRADE	PVI	POINT OF VERTICAL INTERSECTION		
FH	FIRE HYDRANT	R	RADIUS		
FHWA	FEDERAL HIGHWAY ADMINISTRATION	RCP	REINFORCED CONCRETE PIPE		
FL	FLOW LINE	RR	RAILROAD		
FS	FINISHED SURFACE	RT	RIGHT		
FT	FOOT/FEET	ROW, R/W	RIGHT OF WAY		
G	GAS LINE	S	SLOPE		
GB	GRADE BREAK	SCH	SCHEDULE		
GM	GAS METER	SD	STORM DRAIN		

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

CAUTION:
HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

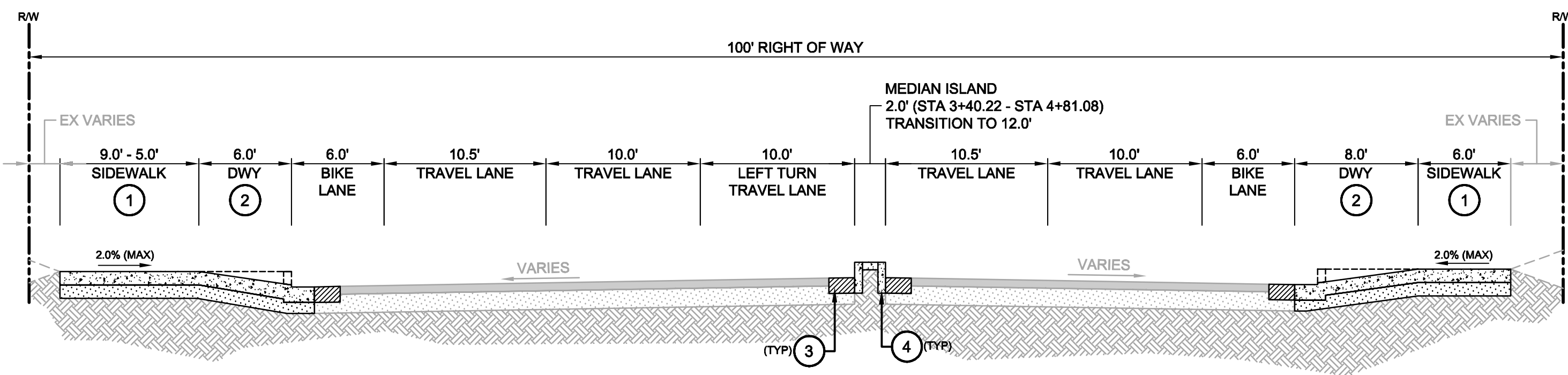
REGISTRATION:


322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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


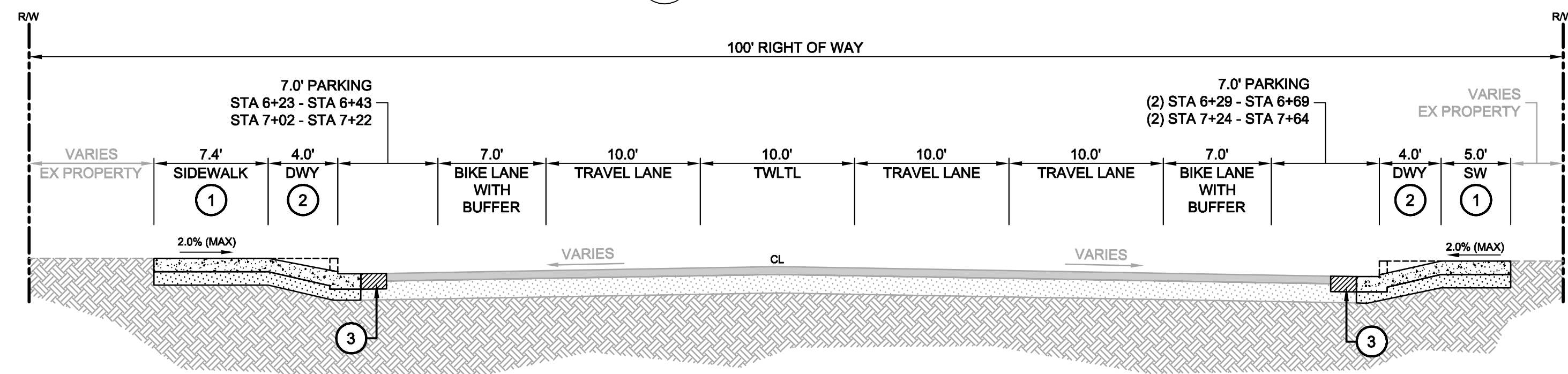
City of Albany
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

GENERAL NOTES
ABBREVIATIONS & LEGEND
SHEET: C-2.2
DWG No. (CIVIL SHEETS ONLY) 04 OF 22

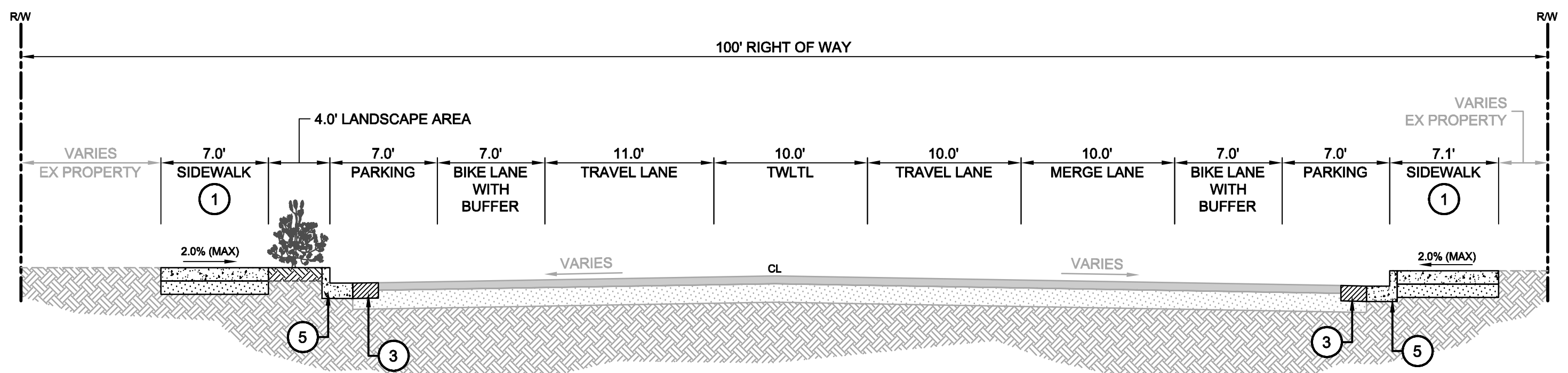
CONSTRUCTION BID SUBMITTAL (01/20/2017)



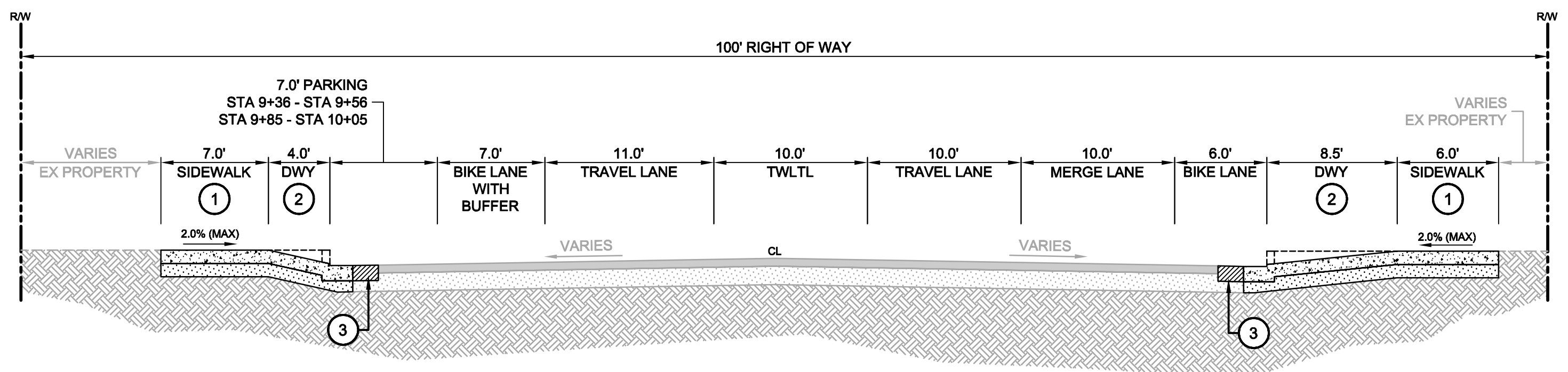
A TYPICAL CROSS SECTION
STA 3+40± - STA 5+57±



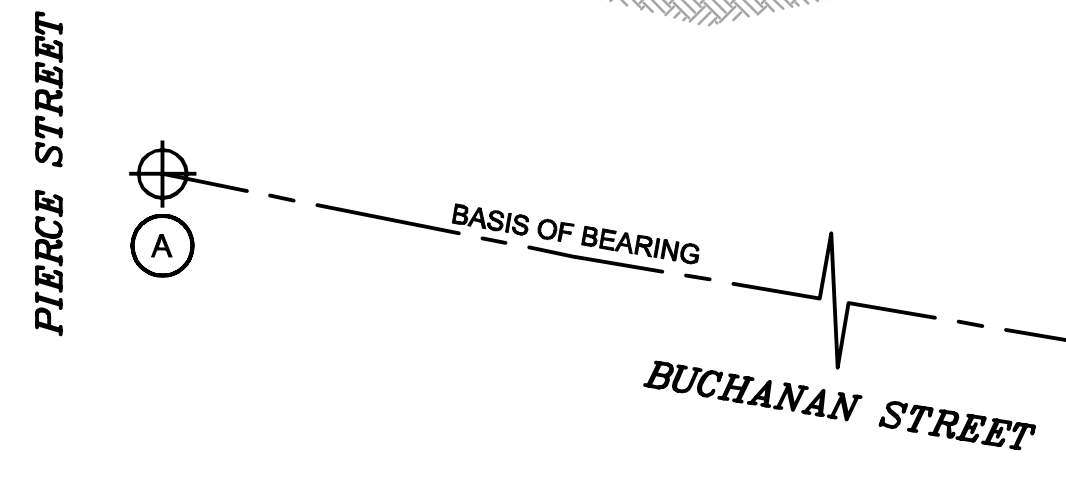
B TYPICAL CROSS SECTION
STA 5+99± - STA 7+89±



C TYPICAL CROSS SECTION
STA 8+50± - STA 9+08±



D TYPICAL CROSS SECTION
STA 9+08± - STA 10+34±



BASIS OF BEARING

THE BASIS OF BEARING HEREON IS BASED ON THE BEARING BETWEEN THE NGS MONUMENT DE8482, LOCATED 36.75 FEET WEST OF THE CENTERLINE OF GRIZZLY PEAK ROAD AND 35.80 FEET NORTH OF THE CENTER LINE OF SPRUCE STREET; AND THE CITY OF ALBANY CONTROL POINT NUMBER 432, A CUT CROSS IN THE SOUTHERNLY END OF THE MEDIAN ISLAND ON THE SAN PABLO AVENUE, APPROXIMATELY 84.4 FEET NORTH OF THE INTERSECTION OF MARIN AVENUE AND SAN PABLO AVENUE, BEING S 52°57'26" E (NAD83).

VERTICAL DATUM

ELEVATIONS SHOWN HEREON ARE BASED UPON CITY OF ALBANY VERTICAL CONTROL POINT NUMBER 3017 (ELEVATION 25.626').

HORIZONTAL DATUM

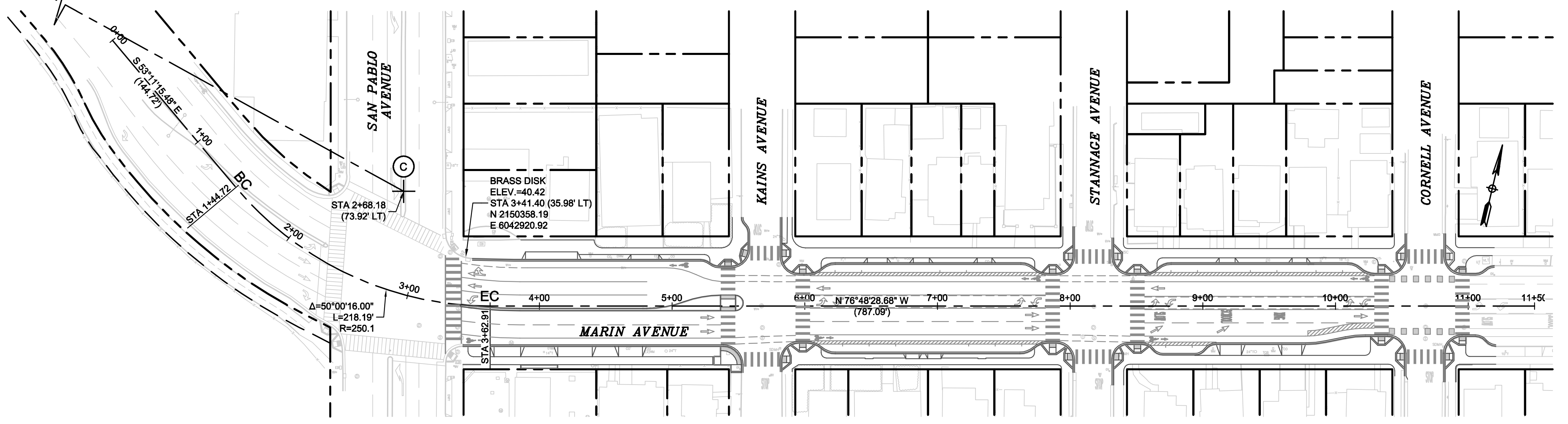
ALL COORDINATES AND DISTANCES SHOWN HEREON ARE BASED ON NORTH AMERICAN DATUM 1983, ZONE III, (CORS96) 2002.00 EPOCH, AND ARE GIVEN IN THE U.S. SURVEY FEET, DISTANCE SHOWN HEREON ARE AT GROUND ELEVATION.

CONTROL COORDINATES

CONTROL ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
A	2150674.470	6040734.572	23.196'	CITY MONUMENT 3669
B	2150707.198	6041753.697	25.626'	CITY MONUMENT 3017
C	2150395.840	6042864.080	41.470'	CITY CONTROL POINT 423

KEY NOTES

- ① SIDEWALK SECTION PER CITY OF ALBANY STND DETAIL ST-3
- ② RESIDENTIAL DRIVEWAY PER CITY OF ALBANY STND DETAIL ST-2
- ③ HMA PATCH PER CITY OF ALBANY DETAIL ST-1 REFER TO SHEETS C-4.0 THRU C-4.1 FOR WIDTH
- ④ CONCRETE VERTICAL CURB PER CITY OF ALBANY STND DETAIL ST-1
- ⑤ CONCRETE CURB AND GUTTER PER CITY OF ALBANY STND DETAIL C-9.0



HORIZONTAL CONTROL
SCALE: 1" = 40'

GRAPHIC SCALE: 1" = 50'

CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF) EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:
REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STEVENS
No. C 058660
BKF
ENGINEERS / SURVEYORS / PLANNERS
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

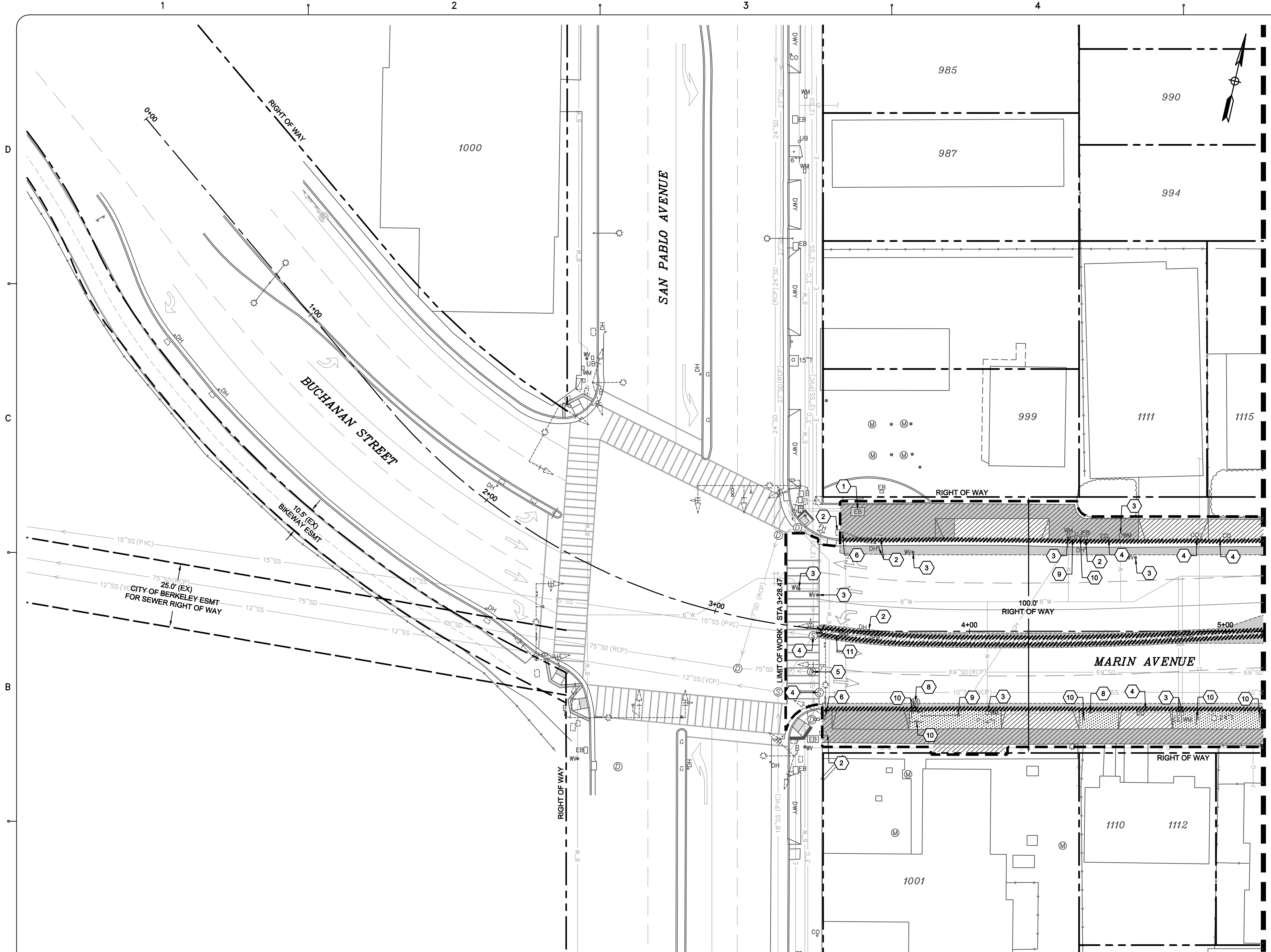
CLIENT:
MARK HURLEY, CITY OF ALBANY
ENGINEER HAS REVIEWED AND APPROVED THE PLANS FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES



City of Albany
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

HORIZONTAL CONTROL TYPICAL SECTIONS
SHEET: C-2.3
DWG No. (CIVIL SHEETS ONLY) 05 OF 22

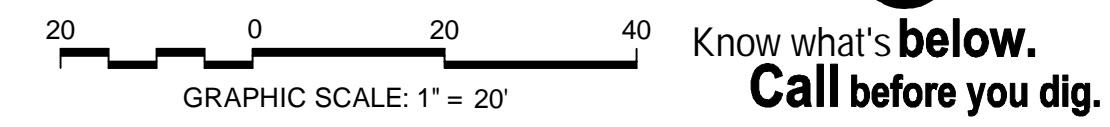
CONSTRUCTION BID SUBMITTAL (01/20/2017)



- LEGEND**
- PROPOSED**
- RIGHT OF WAY (RW)
 - LIMIT OF WORK
 - REMOVE CONCRETE CURB AND GUTTER
 - WATER LATERAL TO BE CUT AND CAPPED AT MAIN (BY EMBUD)
 - FULL DEPTH ASPHALT CONCRETE REMOVAL
 - CONCRETE REMOVAL
 - CLEAR AND GRUB
 - CONCRETE SIDEWALK REMOVAL WORK TO BE PAID FOR AS PART OF JOINT TRENCH
 - # KEYNOTE NOT USED ON SHEET

- KEY NOTES**
- 1 PROTECT ELECTRICAL STRUCTURE
 - 2 PROTECT TRAFFIC SIGNAL STRUCTURE
 - 3 PROTECT WATER STRUCTURE
 - 4 PROTECT SANITARY SEWER STRUCTURE
 - 5 PROTECT STORM DRAIN STRUCTURE
 - 6 PROTECT TRAFFIC SIGNAL POLE, CONDUCTORS AND FOUNDATION
 - 7 PROTECT GAS STRUCTURE
 - 8 PROTECT TELEPHONE (AT&T) STRUCTURE
 - 9 PROTECT JOINT POLE (SEE NOTE 13)
 - 10 REMOVE AND SALVAGE SIGN COORDINATE WITH CITY OF ALBANY
 - 11 RELOCATE WATER METER SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
 - 12 NOT USED
 - 13 RELOCATE FIRE HYDRANT SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
 - 14 REMOVE AND SALVAGE GAS WARNING STRUCTURE COORDINATE WITH CITY OF ALBANY
 - 15 PROTECT UTILITY STRUCTURE
 - 16 NOT USED
 - 17 NOT USED
 - 18 PROTECT TREE
 - 19 RELOCATE WATER VALVE SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
 - 20 REMOVE STORM DRAIN STRUCTURE
- DEMOLITION NOTES**
REFER TO SHEET C3.1 FOR NOTES

MATCH LINE SEE SHEET C-3.1



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY:	J. YOUNG
DRAWN BY:	J. YOUNG
CHECKED BY:	J. WHITE
REVIEWED BY:	R. STEVENS
DATE:	JANUARY 20, 2017

REGISTRATION:

322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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

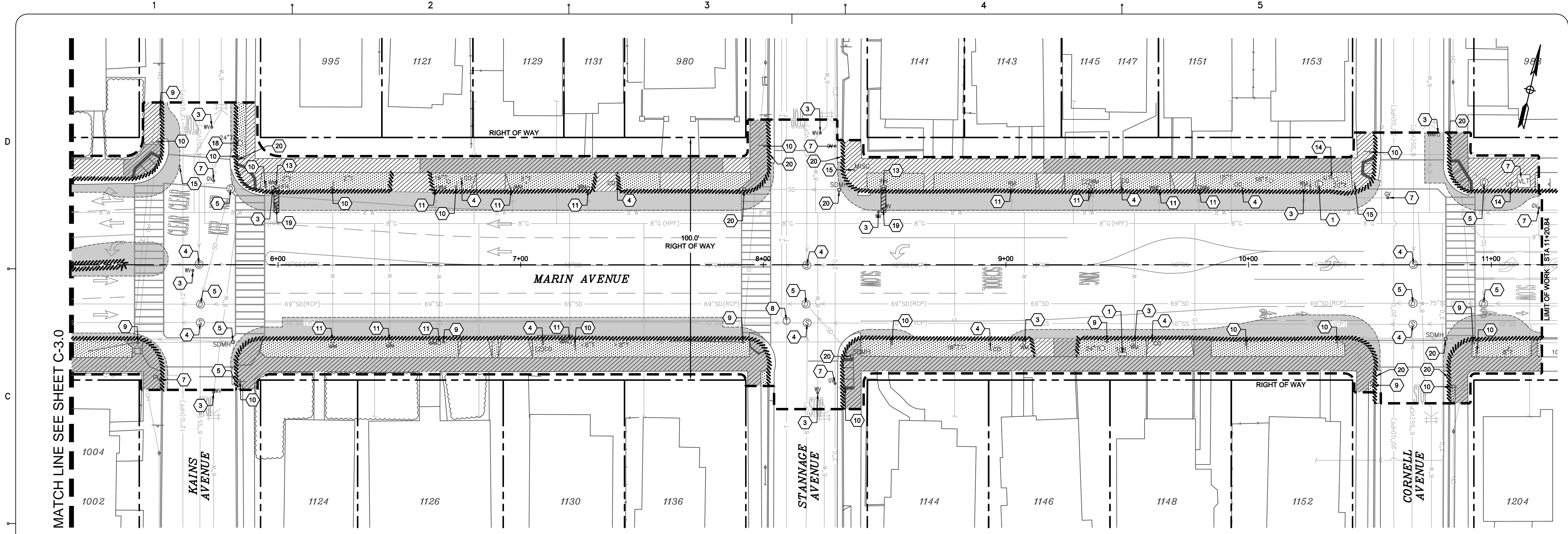
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

DEMOLITION PLAN
MARIN AVE (SAN PABLO AVE INTERSECTION)
STA 0+00.00 TO STA 5+14.86

SHEET: **C-3.0** DWG No. (CIVIL SHEETS ONLY) 06 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)



LEGEND

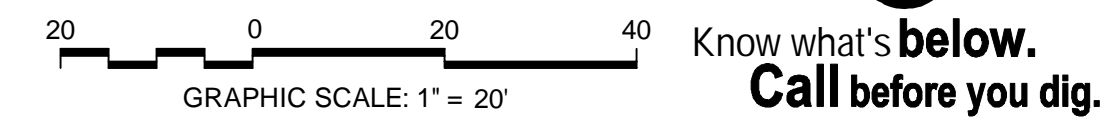
- PROPOSED**
- RIGHT OF WAY (RW)
 - - - - - LIMIT OF WORK
 - ////// REMOVE CONCRETE CURB AND GUTTER
 - ===== WATER LATERAL TO BE CUT AND CAPPED AT MAIN (BY EBMUD)
 - █ FULL DEPTH ASPHALT CONCRETE REMOVAL
 - ▨ CONCRETE REMOVAL
 - ▩ CLEAR AND GRUB
 - ▧ CONCRETE SIDEWALK REMOVAL WORK TO BE PAID FOR AS PART OF JOINT TRENCH
 - # KEYNOTE NOT USED ON SHEET

KEY NOTES

- 1 PROTECT ELECTRICAL STRUCTURE
- 2 PROTECT TRAFFIC SIGNAL STRUCTURE
- 3 PROTECT WATER STRUCTURE
- 4 PROTECT SANITARY SEWER STRUCTURE
- 5 PROTECT STORM DRAIN STRUCTURE
- 6 PROTECT TRAFFIC SIGNAL POLE, CONDUCTORS AND FOUNDATION
- 7 PROTECT GAS STRUCTURE
- 8 PROTECT TELEPHONE (AT&T) STRUCTURE
- 9 PROTECT JOINT POLE (SEE NOTE 13)
- 10 REMOVE AND SALVAGE SIGN COORDINATE WITH CITY OF ALBANY
- 11 RELOCATE WATER METER SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
- 12 NOT USED
- 13 RELOCATE FIRE HYDRANT SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
- 14 REMOVE AND SALVAGE GAS WARNING STRUCTURE COORDINATE WITH CITY OF ALBANY
- 15 PROTECT UTILITY STRUCTURE
- 16 NOT USED
- 17 NOT USED
- 18 PROTECT TREE
- 19 RELOCATE WATER VALVE SEE SHEET C7.0 - C7.1 FOR NEW LOCATION
- 20 REMOVE STORM DRAIN STRUCTURE

DEMOLITION NOTES

1. THE UTILITIES SHOWN ON THIS PLAN 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. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, PRIVATE LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS), AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, WATER AND GAS) UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL DOCUMENT SURVEY CONTROL POINTS SHOWN ON SHEET C2.2 PRIOR TO BEGINNING OF DEMOLITION.
4. ALL EXISTING UTILITY STRUCTURES WITHIN THE LIMIT OF WORK ARE TO BE ADJUSTED TO FINISHED GRADE UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
6. CONTRACTOR TO PROTECT ALL TREES NOT DESIGNATED TO BE REMOVED, INCLUDING BUT NOT LIMITED TO TREES WITHIN AND OUTSIDE OF THE PROJECT LIMITS OF WORK.
7. ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT AS APPROVED BY THE CITY INSPECTOR AND/OR APPROVED REPRESENTATIVE.
8. CONTRACTOR IS RESPONSIBLE TO LEGALLY DISPOSE OF ALL REMOVED MATERIAL.
9. WITHIN LIMIT OF DEMOLITION DIAMOND GRIND ALL STRIPING AND PAVMENT MARKINGS AS DIRECTED BY ENGINEER.
10. WATER INFORMATION SHOWN IS FOR REFERENCE ONLY. ALL WATER INFRASTRUCTURES TO BE REMOVED OR REPLACED (INCLUDING WATER MAIN LINES, LATERALS, METER, VALVE AND FIRE HYDRANTS) SHALL BE DONE BY EBMUD. ORIENTATION OF WATER METERS TO BE DETERMINED IN FIELD BY EBMUD.
11. FUTURE WATER METERS RELOCATED BY EBMUD (SHOWN ON SHEETS C3.0 THRU C3.1) SHALL BE PROTECTED AND ADJUSTED TO FINISHED GRADE.
12. REFER TO LAYOUT PLAN FOR EXACT LIMITS OF DEMOLITION.
13. JOINT POLES WITH IN PROJECTS LIMITS SHALL BE PROTECTED AND REMOVED AS PART OF THE BUCHANAN STREET RULE 20 - PHASE 1 PROJECT. REFER TO JOINT TRENCH PLAN SHEETS JT-01 THRU JT-08 FOR MORE DETAILS.
14. REFER TO SHEET C2.1 FOR ADDITIONAL GENERAL PROJECT NOTES.



CAUTION:
 HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
 EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
 EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
 EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
 CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
 DRAWN BY: J. YOUNG
 CHECKED BY: J. WHITE
 REVIEWED BY: R. STEVENS
 DATE: JANUARY 20, 2017

REGISTRATION:

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

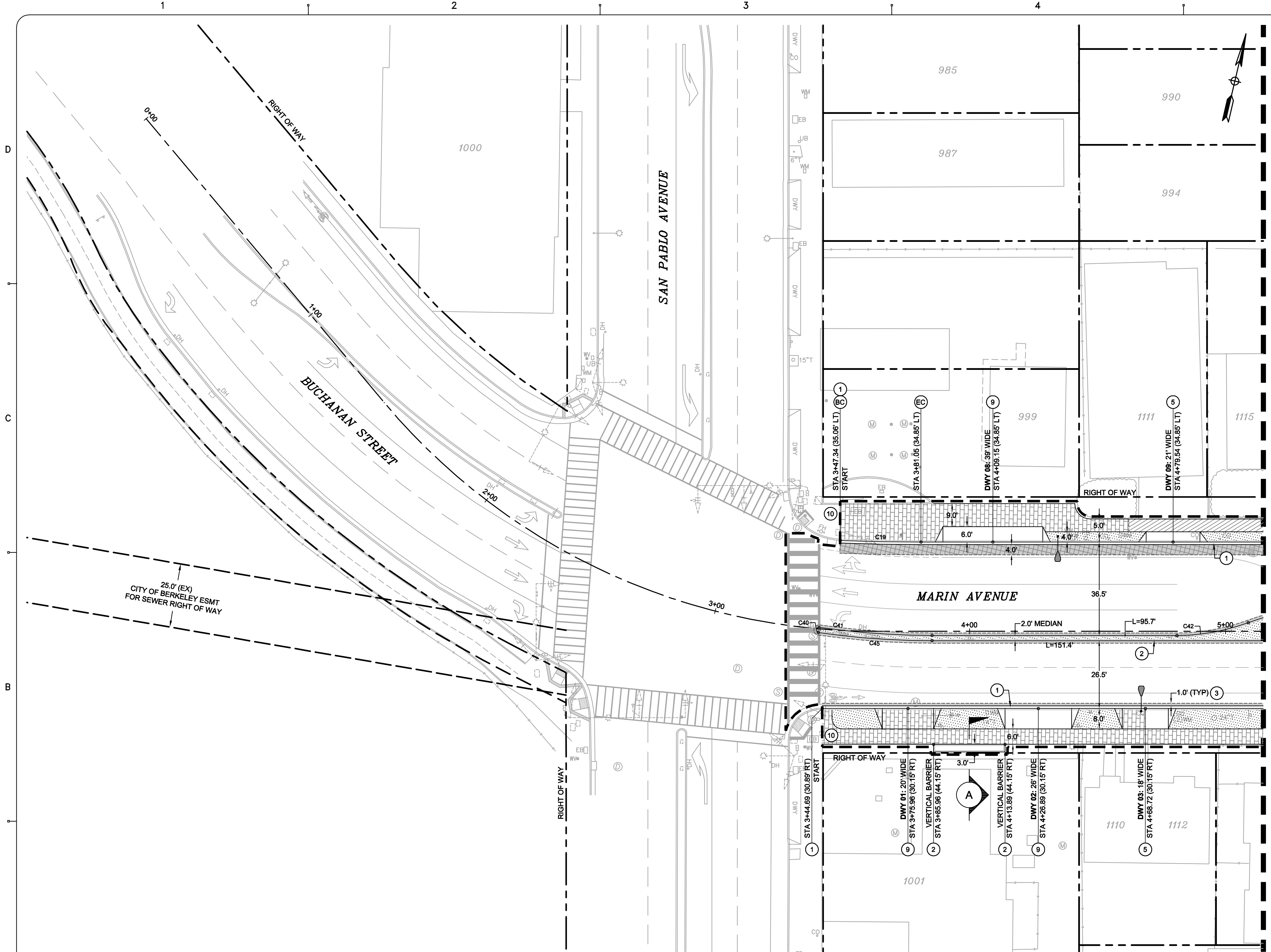
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

DEMOLITION PLAN
 MARIN AVE (KAINS AVE TO CORNELL AVE)
 STA 5+14.86 TO STA 11+27.32

SHEET: **C-3.1** DWG No. (CIVIL SHEETS ONLY) 07 OF 22

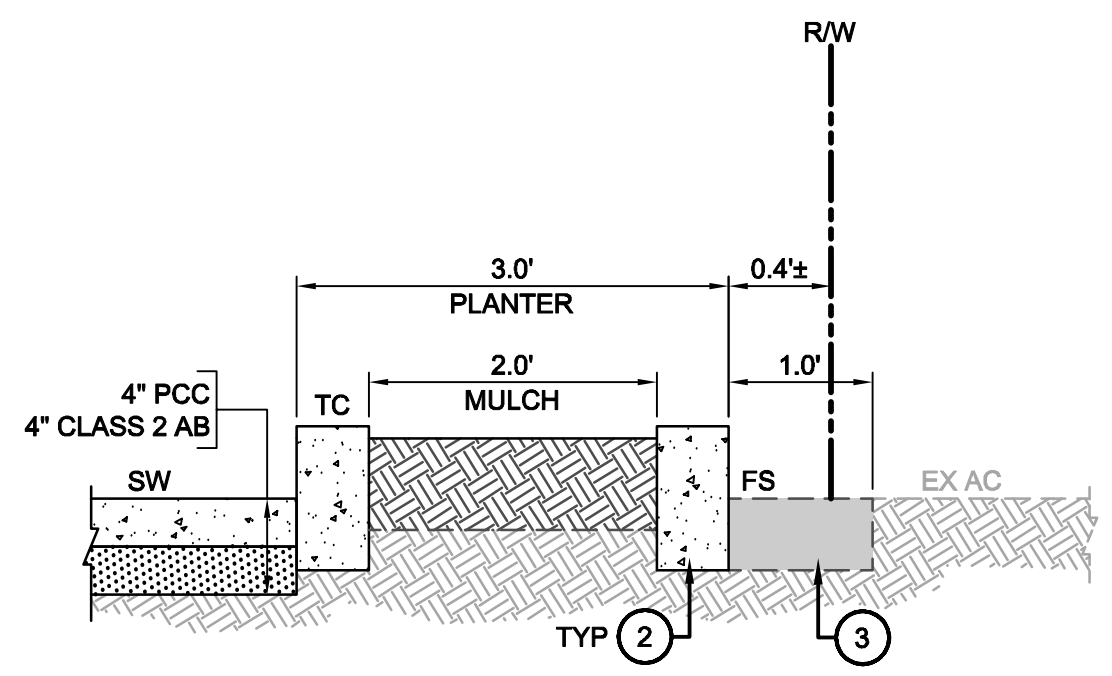
CONSTRUCTION BID SUBMITTAL (01/20/2017)



- LEGEND**
- PROPOSED**
- RIGHT OF WAY (RW)
 - LIMIT OF WORK
 - HMA PATCH (6" MINIMUM DEPTH)
REFER TO PLANS FOR WIDTH
 - FULL DEPTH ASPHALT REPAIR
MATCH EXISTING OR 8" THICK WHICHEVER
IS GREATER (OVER 8.5' AB)
 - LANDSCAPE AREA - PLACE 6" OF MULCH
 - CONCRETE SIDEWALK
4" PCC OVER 4" CLASS 2 AB
PER CITY OF ALBANY DETAIL ST-4
 - CONCRETE SIDEWALK, DRIVEWAY OR CURB RAMP
WORK TO BE PAID FOR AS PART OF JOINT TRENCH
 - (BC) BEGINNING OF CURVE
 - (EC) END OF CURVE
 - # KEYNOTE NOT USED ON SHEET

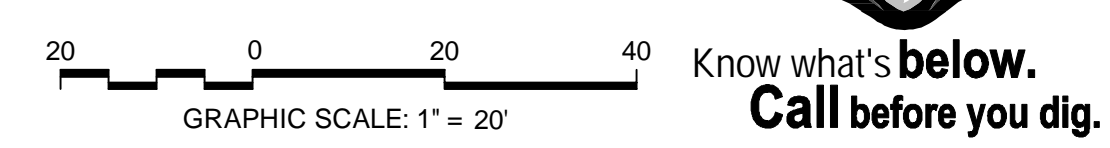
- KEY NOTES**
- 1 12-INCH WIDE CONCRETE CURB AND GUTTER (1 C-8.0)
 - 2 VERTICAL CURB PER CITY OF ALBANY DETAIL ST-1
 - 3 HMA PATCH (6" MINIMUM DEPTH) PER CITY OF ALBANY DETAIL ST-1
 - 4 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CITY OF ALBANY DETAIL ST-9.10
 - 5 RESIDENTIAL DRIVEWAY CITY OF ALBANY DETAIL ST-2
 - 6 NOT USED
 - 7 ACCESSIBLE RAMP - CASE A PER CITY OF ALBANY DETAIL ST-9.1
 - 8 ACCESSIBLE RAMP - CASE G PER CITY OF ALBANY DETAIL ST-9.8
 - 9 COMMERCIAL DRIVEWAY APPROACH (2 C-8.0)
 - 10 CURB, GUTTER AND SIDEWALK REPAIR PER CITY OF ALBANY DETAIL ST-6
 - 11 TREE FRAME LOCATION (4 C-8.0)

LAYOUT NOTES
REFER TO SHEET C4.1 FOR NOTES AND CURVE TABLES



NOTE
KEY NOTE CALLOUTS TO MATCH PLAN VIEW

A VERTICAL BARRIER (ARCO)
STA 3+85.96 - STA 4+13.89
NOT TO SCALE



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:

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

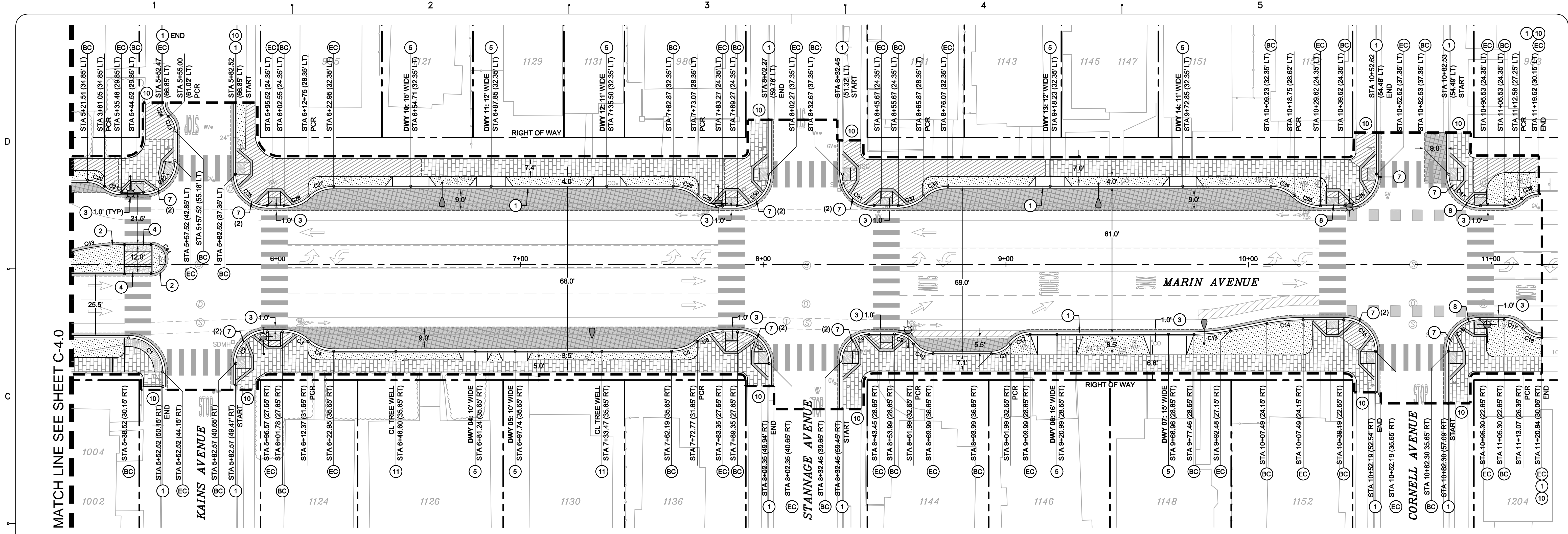
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

HORIZONTAL LAYOUT
MARIN AVE (SAN PABLO AVE INTERSECTION)
STA 0+00.00 TO STA 5+14.86

SHEET: **C-4.0** DWG No. (CIVIL SHEETS ONLY) 08 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)



LEGEND

- PROPOSED**
- RIGHT OF WAY (RW)
 - LIMIT OF WORK
 - HMA PATCH (6" MINIMUM DEPTH) REFER TO PLANS FOR WIDTH
 - FULL DEPTH ASPHALT REPAIR MATCH EXISTING OR 8" THICK WHICHEVER IS GREATER (OVER 8.5' AB)
 - LANDSCAPE AREA - PLACE 6" OF MULCH
 - CONCRETE SIDEWALK 4" PCC OVER 4" CLASS 2 AB PER CITY OF ALBANY DETAIL ST-4
 - CONCRETE SIDEWALK, DRIVEWAY OR CURB RAMP WORK TO BE PAID FOR AS PART OF JOINT TRENCH
 - BC BEGINNING OF CURVE
 - EC END OF CURVE
 - # KEYNOTE NOT USED ON SHEET

KEY NOTES

- 1 12-INCH WIDE CONCRETE CURB AND GUTTER PER CITY OF ALBANY DETAIL ST-1
- 2 VERTICAL CURB PER CITY OF ALBANY DETAIL ST-1
- 3 HMA PATCH (6" MINIMUM DEPTH) PER CITY OF ALBANY DETAIL ST-1
- 4 CONCRETE CAST IN PLACE DETECTABLE WARNING SURFACE PER CITY OF ALBANY DETAIL ST-9.10
- 5 RESIDENTIAL DRIVEWAY PER CITY OF ALBANY DETAIL ST-2
- 6 NOT USED
- 7 ACCESSIBLE RAMP - CASE A PER CITY OF ALBANY DETAIL ST-9.1
- 8 ACCESSIBLE RAMP - CASE G PER CITY OF ALBANY DETAIL ST-9.8
- 9 COMMERCIAL DRIVEWAY PER CITY OF ALBANY DETAIL ST-2
- 10 CURB, GUTTER AND SIDEWALK REPAIR PER CITY OF ALBANY DETAIL ST-6
- 11 TREE FRAME LOCATION PER CITY OF ALBANY DETAIL ST-6

LAYOUT NOTES

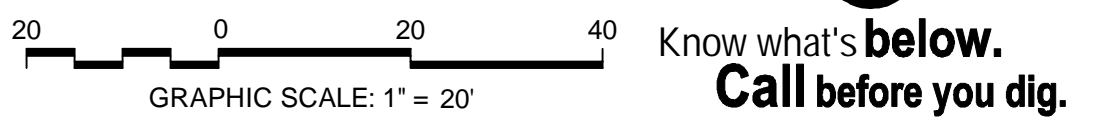
1. THE UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
3. FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEETS C-8.0 THRU C-8.1.
4. AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
5. FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
6. APPLY TYPE 2 SLURRY TO ROADWAY WITHIN LIMIT OF WORK. REFER TO THE SPECIFICATIONS FOR MATERIAL DETAILS.
7. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
8. REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES.

CURVE NO.	LENGTH	RADIUS	DELTA
C1	21.99	14.00	090°00'00"
C2	20.42	13.00	090°00'00"
C3	11.56	16.00	041°24'35"
C4	11.56	16.00	041°24'35"
C5	11.56	16.00	041°24'35"
C6	11.56	16.00	041°24'35"
C7	20.42	13.00	090°00'00"
C8	17.28	11.00	090°00'00"
C9	9.27	10.00	053°07'48"
C10	9.27	10.00	053°07'48"
C11	9.27	10.00	053°07'48"
C12	9.27	10.00	053°07'48"
C13	15.11	76.82	011°16'20"
C14	15.11	76.82	011°16'20"
C15	20.42	13.00	090°00'00"
C16	20.42	13.00	090°00'00"
C17	8.90	10.00	050°59'42"
C18	8.90	10.00	050°59'42"

* REFER TO SHEET C4.0

CURVE NO.	LENGTH	RADIUS	DELTA
C19	31.52	800.00	002°15'28"
C20	7.56	11.00	039°24'02"
C21	7.56	11.00	039°24'02"
C22	20.42	13.00	090°00'00"
C23	6.54	8.00	046°50'42"
C24	6.54	8.00	046°50'42"
C25	20.42	13.00	090°00'00"
C26	11.21	15.00	042°50'00"
C27	11.21	15.00	042°50'00"
C28	11.21	15.00	042°50'00"
C29	11.21	15.00	042°50'00"
C30	20.42	13.00	090°00'00"
C31	20.42	13.00	090°00'00"
C32	11.21	15.00	042°50'00"
C33	11.21	15.00	042°50'00"
C34	10.47	14.00	042°50'00"
C35	11.96	16.00	042°50'00"
C36	20.42	13.00	090°00'00"

CURVE NO.	LENGTH	RADIUS	DELTA
C37	20.42	13.00	090°00'00"
C38	7.81	10.00	044°46'06"
C39	7.81	10.00	044°46'06"
C40	2.89	1.01	163°40'21"
C41	44.33	310.00	008°11'39"
C42	28.43	80.00	020°21'51"
C43	28.43	80.00	020°21'51"
C44	18.85	6.00	180°00'00"
C45	44.62	312.00	008°11'38"



CAUTION:
HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF) EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 31, 2017

REGISTRATION:
REGISTERED PROFESSIONAL ENGINEER
No. C 058660
CIVIL
STATE OF CALIFORNIA

BKF
ENGINEERS / SURVEYORS / PLANNERS
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

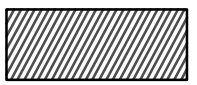


HORIZONTAL LAYOUT
MARIN AVE (KAINS AVE TO CORNELL AVE)
STA 5+14.86 TO STA 11+27.32

SHEET: **C-4.1** DWG No. (CIVIL SHEETS ONLY) 09 OF 22

CONSTRUCTION BID SUBMITTAL - ADDENDUM 1 (01/31/2017)

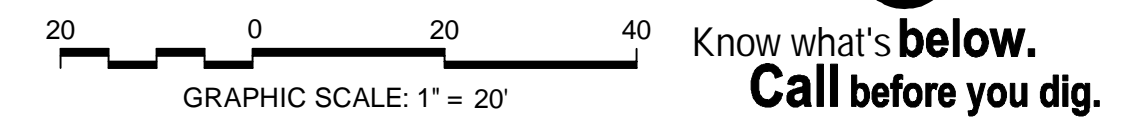


LEGEND

-  DRIVEWAY, CURB RAMP, CURB AND SIDEWALK RESTORATION WORK TO BE PAID FOR BY APPROPRIATE ITEMS OF THE CONTRACT
-  JOINT TRENCH SURFACE RESTORATION LIMITS WORK TO BE PAID FOR AS PART OF JOINT TRENCH INCLUDES BUT NOT LIMITED TO:
 - SIDEWALK
 - DRIVEWAYS
 - CURB RAMPS
 - LANDSCAPE
 - CURB AND GUTTER
 - VERTICAL CURB
-  RECYCLED WATER LINE SURFACE RESTORATION WORK TO BE PAID FOR BY EBMUD

SURFACE RESTORATION NOTES

1. CONTRACTOR SHALL PROTECT ALL EXISTING FENCES, WALLS, TREES, PRIVATE LANDSCAPING, CURBS, ABOVEGROUND UTILITIES (JOINT POLES, STREET LIGHTS), AND UNDERGROUND UTILITIES (STORM DRAIN, SANITARY SEWER, WATER AND GAS) UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
3. CONTRACTOR TO PROTECT ALL TREES NOT DESIGNATED TO BE REMOVED, INCLUDING BUT NOT LIMITED TO TREES WITHIN AND OUTSIDE OF THE PROJECT LIMITS OF WORK.
4. AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
5. FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-5.
6. APPLY TYPE 2 SLURRY TO ROADWAY WITHIN LIMIT OF WORK. REFER TO THE SPECIFICATIONS FOR MATERIAL DETAILS.
7. JOINT POLES WITH IN PROJECTS LIMITS SHALL BE PROTECTED AND REMOVED AS PART OF THE BUCHANAN STREET RULE 20 - PHASE 1 PROJECT. REFER TO JOINT TRENCH PLAN SHEETS JT-01 THRU JT-08 FOR MORE DETAILS.
8. ALL UTILITY TRENCH REPAIR (SEWER, STORM DRAIN, JOINT TRENCH, ETC.) SHALL CONFORM TO DETAIL 9, SHEET C9.0 FOR BACK FILL REQUIREMENTS AND CITY OF ALBANY STANDARD DETAIL ST-13 FOR TRENCH SURFACE RESTORATION.
9. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
10. REFER TO SHEET C2.1 FOR ADDITIONAL GENERAL PROJECT NOTES.





CAUTION:
 HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
 EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
 EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
 EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
 CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
 DRAWN BY: J. YOUNG
 CHECKED BY: J. WHITE
 REVIEWED BY: R. STEVENS
 DATE: JANUARY 20, 2017


REGISTRATION:

322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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



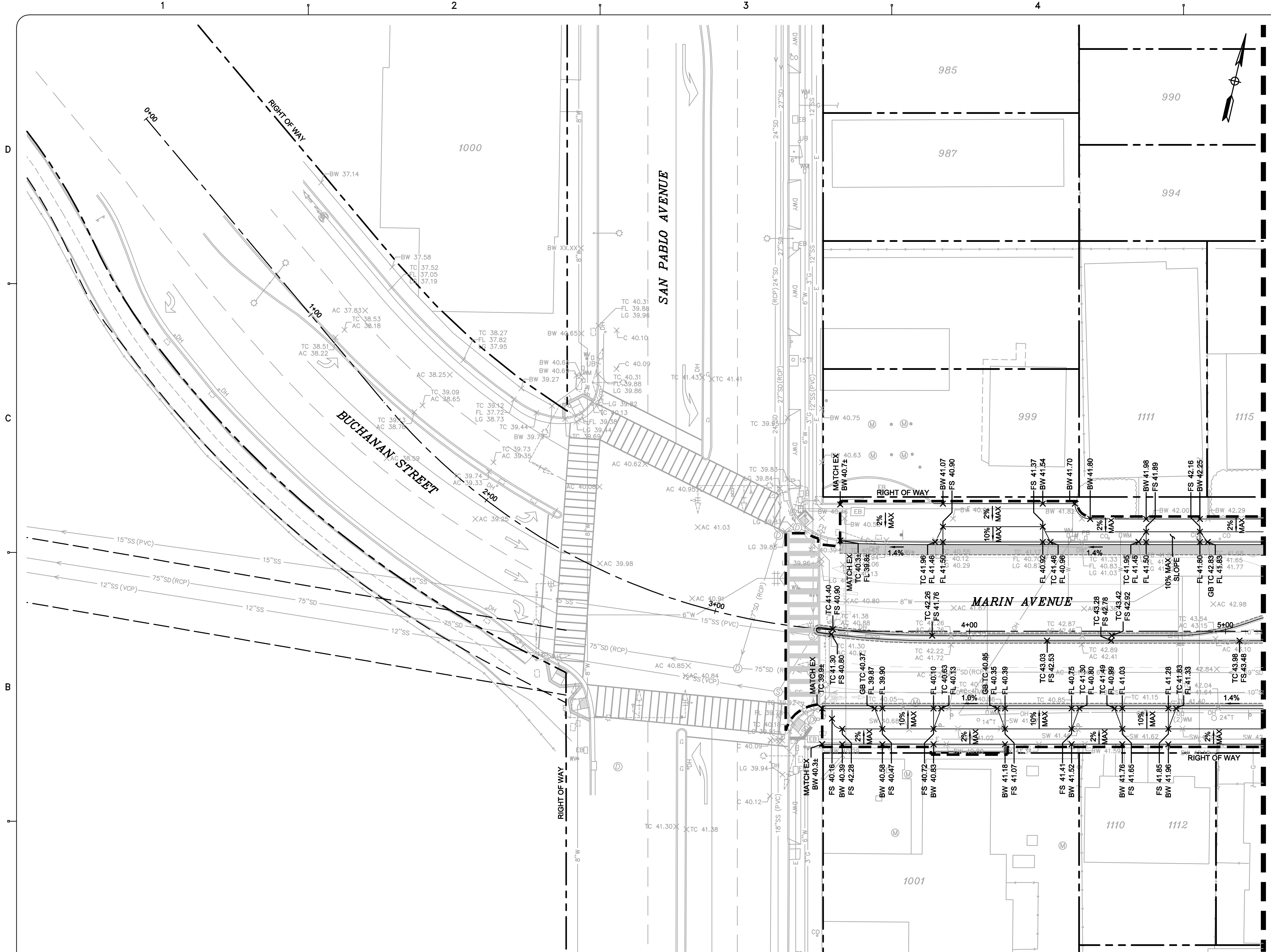
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

SURFACE RESTORATION PLAN
 SAN PABLO AVE TO CORNELL AVE
 STA 0+00.00 TO STA 11+27.32

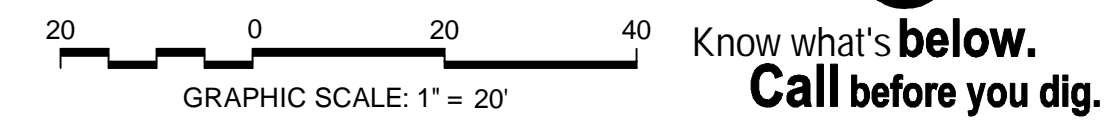
SHEET: **C-4.2** DWG No. (CIVIL SHEETS ONLY) 10 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)



- LEGEND**
- PROPOSED
 --- RIGHT OF WAY (RW)
 - - - - - LIMIT OF WORK
 [Hatched Box] HOT MIX ASPHALT (HMA) PATCH
 REFER TO SHEETS C-4.0 THRU C-4.1 FOR MORE DETAILS
 BW XX.XX ↗ SPOT ELEVATION
 1.0% → FLOW DIRECTION
- GRADING NOTES**
1. THE UTILITIES SHOWN ON THIS PLAN AREA 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. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
 3. FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEETS C-8.0 THRU C-8.1.
 4. AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
 5. FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-6.
 6. GRADING OPERATIONS WILL OCCUR OVER EXISTING UTILITIES. CONTRACTOR SHALL EXERCISE THE NECESSARY CARE TO ENSURE EXISTING UTILITIES ARE NOT DAMAGED OR EXPERIENCE ANY INTERRUPTION IN SERVICE. ANY UTILITIES DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
 7. SURFACE ELEVATIONS ARE SHOWN FOR DRAINAGE PATTERN INFORMATION ONLY. EXACT PAVING ELEVATIONS WILL VARY BASED ON FIELD CONDITIONS.
 8. FINAL PAVEMENT LIMITS SHALL BE DIRECTED BY THE CITY ENGINEER.
 9. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
 10. REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES.

MATCH LINE SEE SHEET C-5.1



CAUTION:
 HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
 EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
 EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
 EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
 CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
 DRAWN BY: J. YOUNG
 CHECKED BY: J. WHITE
 REVIEWED BY: R. STEVENS
 DATE: JANUARY 20, 2017

REGISTRATION:

322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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

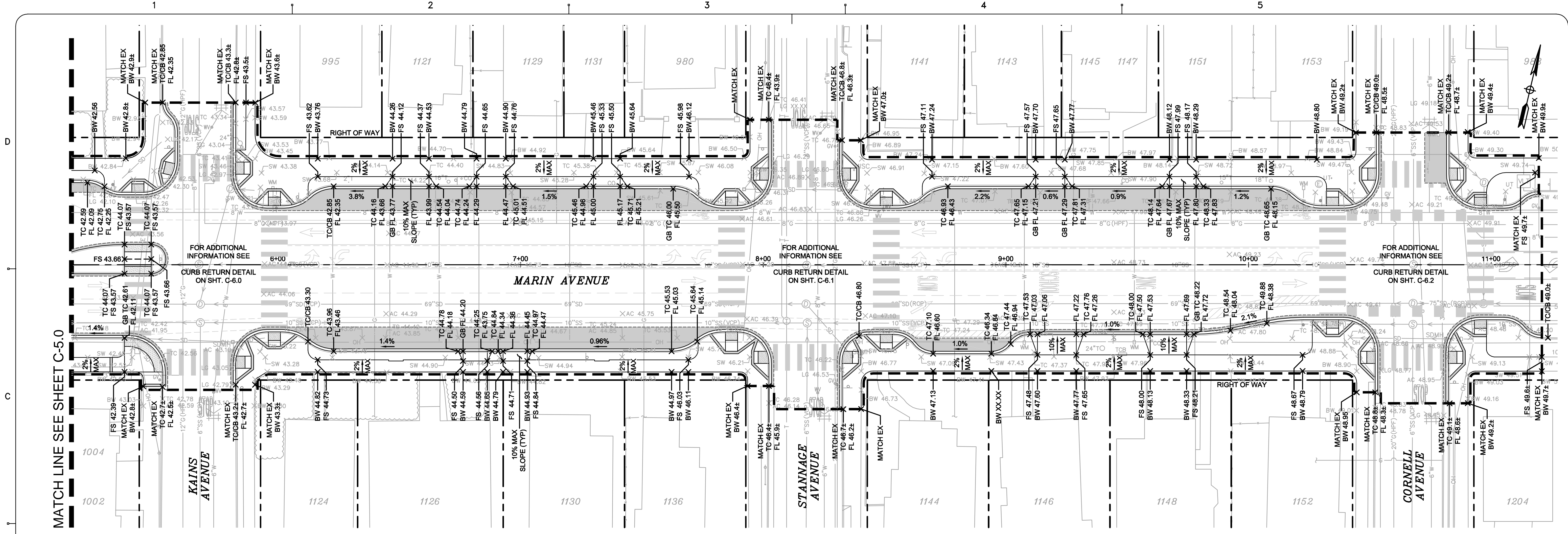
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

GRADING PLAN
 MARIN AVE (SAN PABLO AVE INTERSECTION)
 STA 0+00.00 TO STA 5+14.86

SHEET: **C-5.0** DWG No. (CIVIL SHEETS ONLY) 11 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)

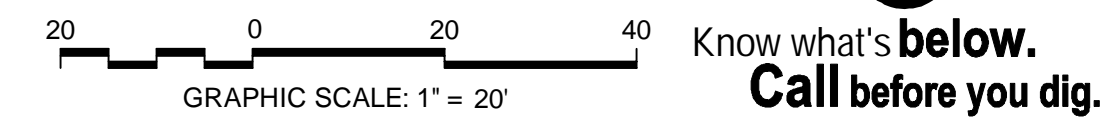


LEGEND

- PROPOSED
- RIGHT OF WAY (RW)
- LIMIT OF WORK
- HOT MIX ASPHALT (HMA) PATCH REFER TO SHEETS C-4.0 THRU C-4.1 FOR MORE DETAILS
- BW XX.XX → SPOT ELEVATION
- 1.0% → FLOW DIRECTION

GRADING NOTES

1. THE UTILITIES SHOWN ON THIS PLAN AREA 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. CONTRACTOR SHALL PROVIDE CONTINUOUS BICYCLE AND ADA ACCESSIBLE PEDESTRIAN PATHWAYS THROUGHOUT THE PROJECT SITE. ORDER OF WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PHASED SUCH THAT CLOSURE OF PUBLIC FACILITIES ARE MINIMIZED.
3. FOR SIGNAGE AND STRIPING DETAILS REFER TO SHEETS C-8.0 THRU C-8.1.
4. AT ALL SIDEWALK SAWCUTS, CUT AT THE NEAREST EXPANSION JOINT OR CONTROL JOINT. COORDINATE LAYOUT WITH ENGINEER BEFORE DEMOLITION.
5. FOR CURB AND SIDEWALK JOINTS REFER TO CITY OF ALBANY DETAIL ST-6.
6. GRADING OPERATIONS WILL OCCUR OVER EXISTING UTILITIES. CONTRACTOR SHALL EXERCISE THE NECESSARY CARE TO ENSURE EXISTING UTILITIES ARE NOT DAMAGED OR EXPERIENCE ANY INTERRUPTION IN SERVICE. ANY UTILITIES DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
7. SURFACE ELEVATIONS ARE SHOWN FOR DRAINAGE PATTERN INFORMATION ONLY. EXACT PAVING ELEVATIONS WILL VARY BASED ON FIELD CONDITIONS.
8. FINAL PAVEMENT LIMITS SHALL BE DIRECTED BY THE CITY ENGINEER.
9. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
10. REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES.



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 31, 2017

REGISTRATION:
REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STEVENS
No. C 058660
CIVIL
STATE OF CALIFORNIA

322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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

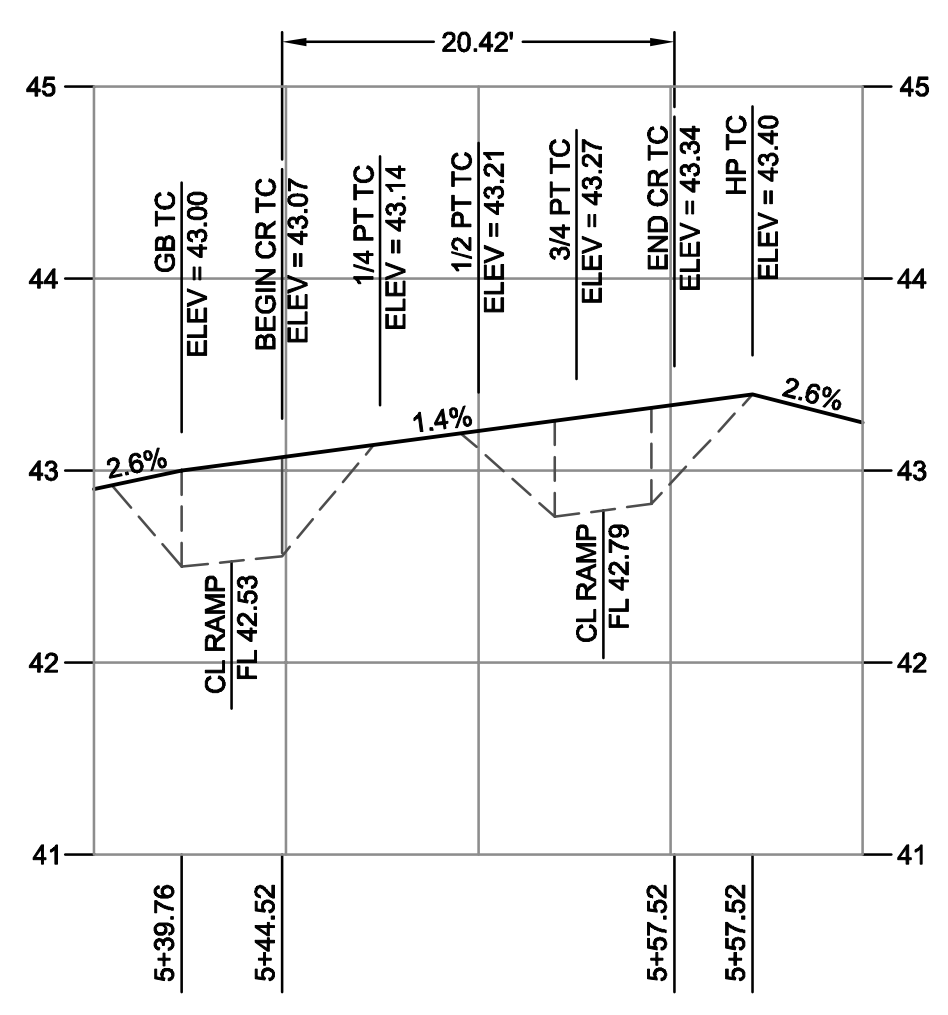
City of Albany
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

GRADING PLAN
MARIN AVE (KAINS AVE TO CORNELL AVE)
STA 5+14.86 TO STA 11+27.32

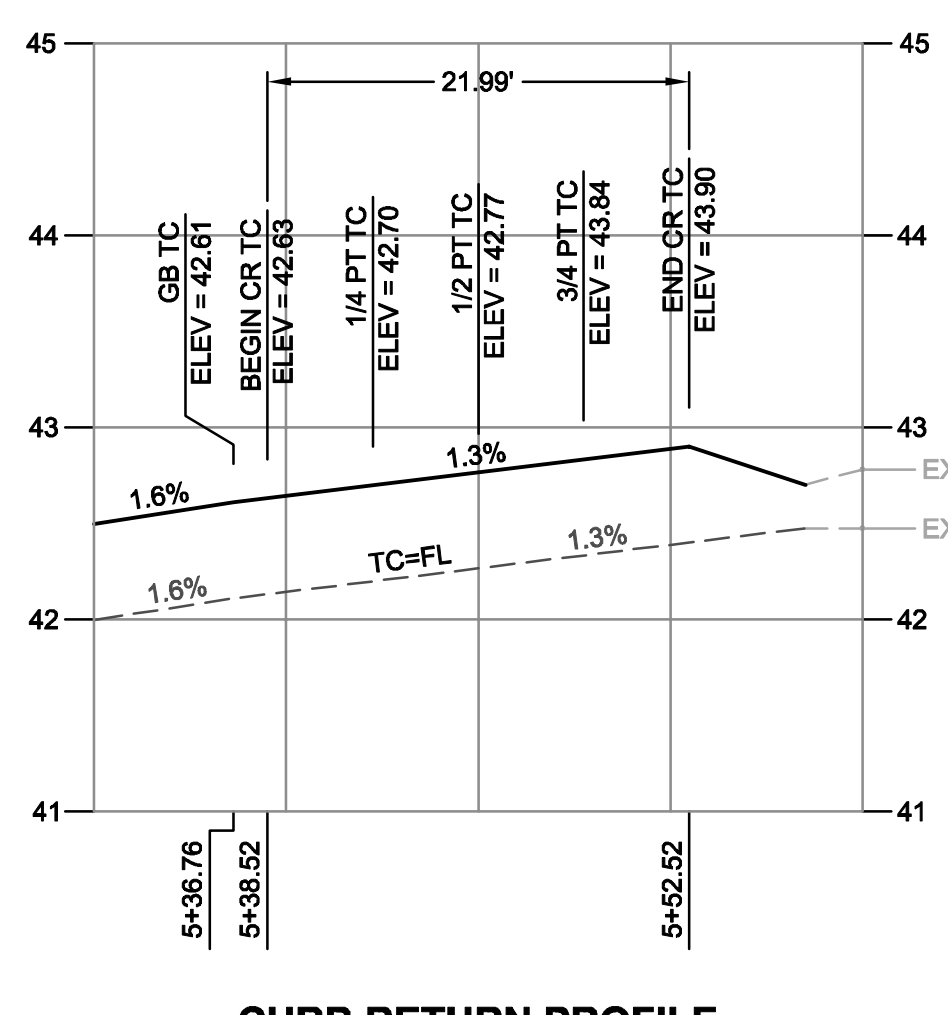
SHEET: **C-5.1** DWG No. (CIVIL SHEETS ONLY) 12 OF 22



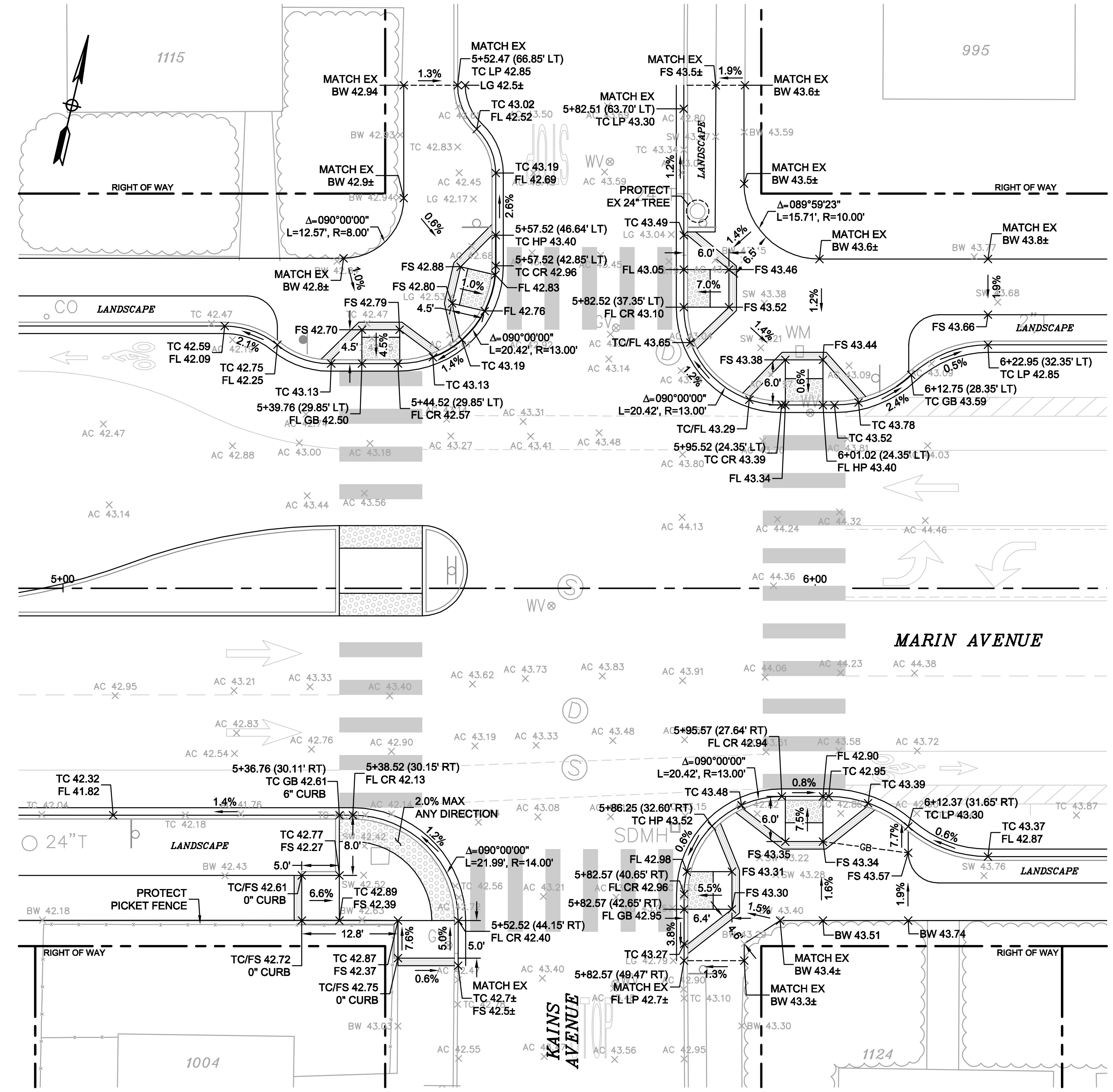
CONSTRUCTION BID SUBMITTAL - ADDENDUM 1 (01/31/2017)



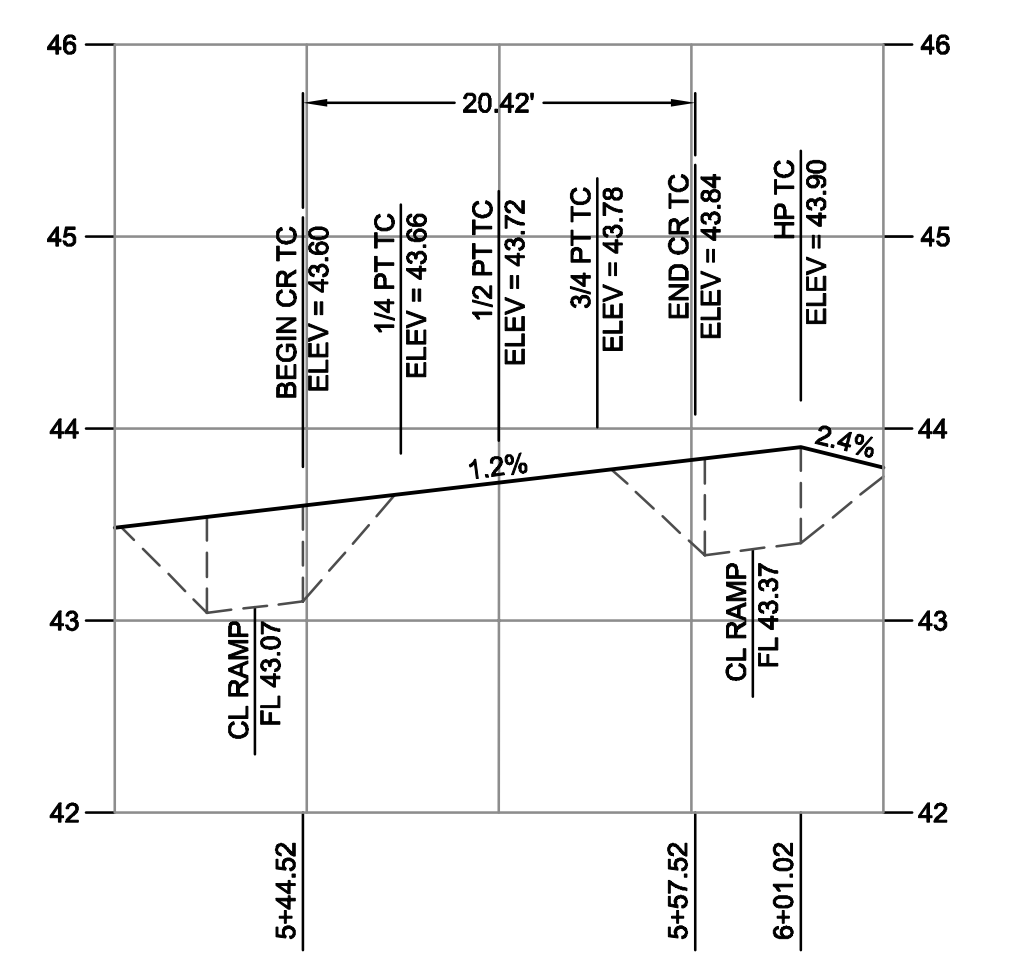
CURB RETURN PROFILE
NORTHWEST CORNER
1"=10' HORIZ.
1"=1' VERT.



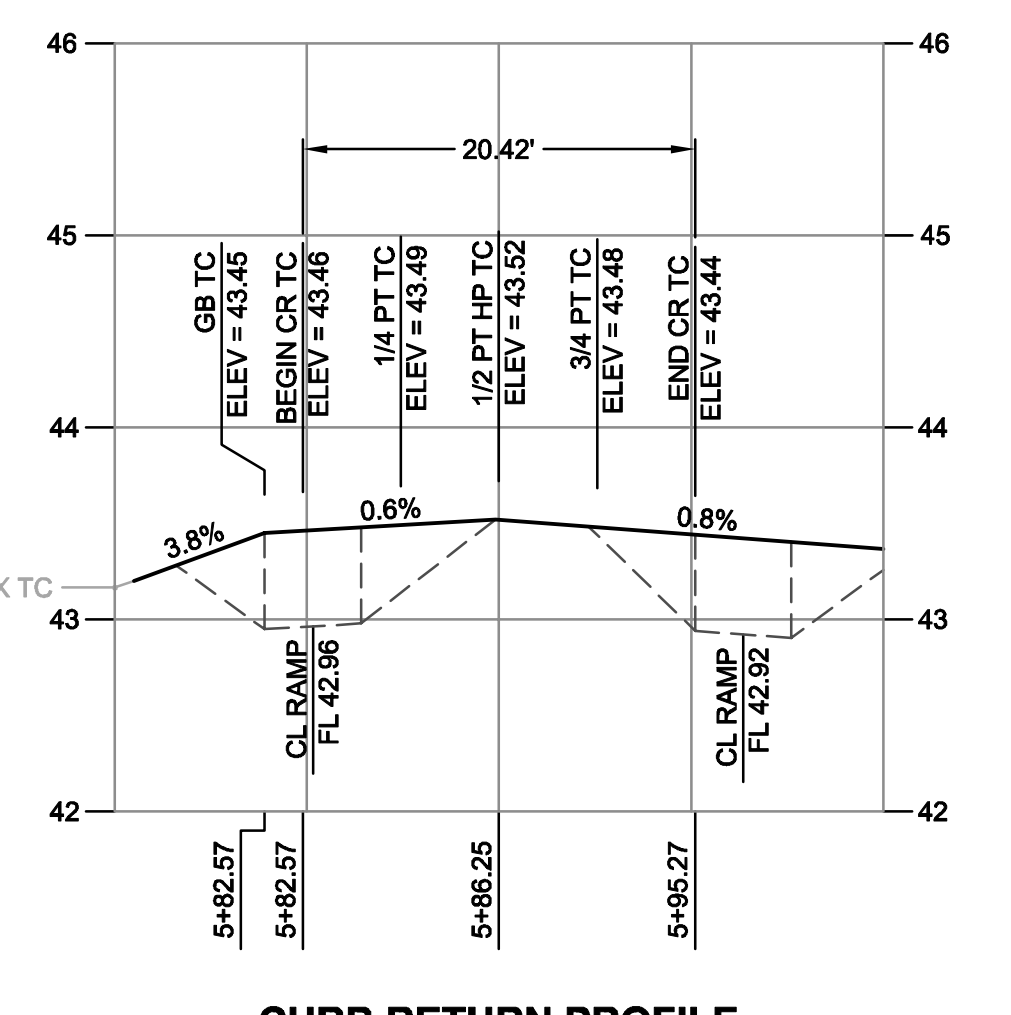
CURB RETURN PROFILE
SOUTHWEST CORNER
1"=10' HORIZ.
1"=1' VERT.



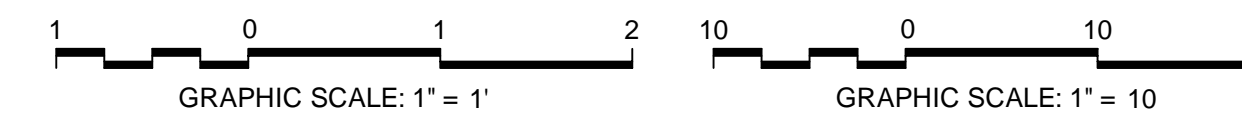
CURB RETURN PROFILE
MARIN AVENUE AT KAINS AVENUE
SCALE: 1" = 10'



CURB RETURN PROFILE
NORTHEAST CORNER
1"=10' HORIZ.
1"=1' VERT.



CURB RETURN PROFILE
SOUTHEAST CORNER
1"=10' HORIZ.
1"=1' VERT.



Know what's below.
Call before you dig.



CAUTION:
HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY:	J. YOUNG
DRAWN BY:	J. YOUNG
CHECKED BY:	J. WHITE
REVIEWED BY:	R. STEVENS
DATE:	JANUARY 20, 2017

REGISTRATION:

BKF
ENGINEERS / SURVEYORS / PLANNERS
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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

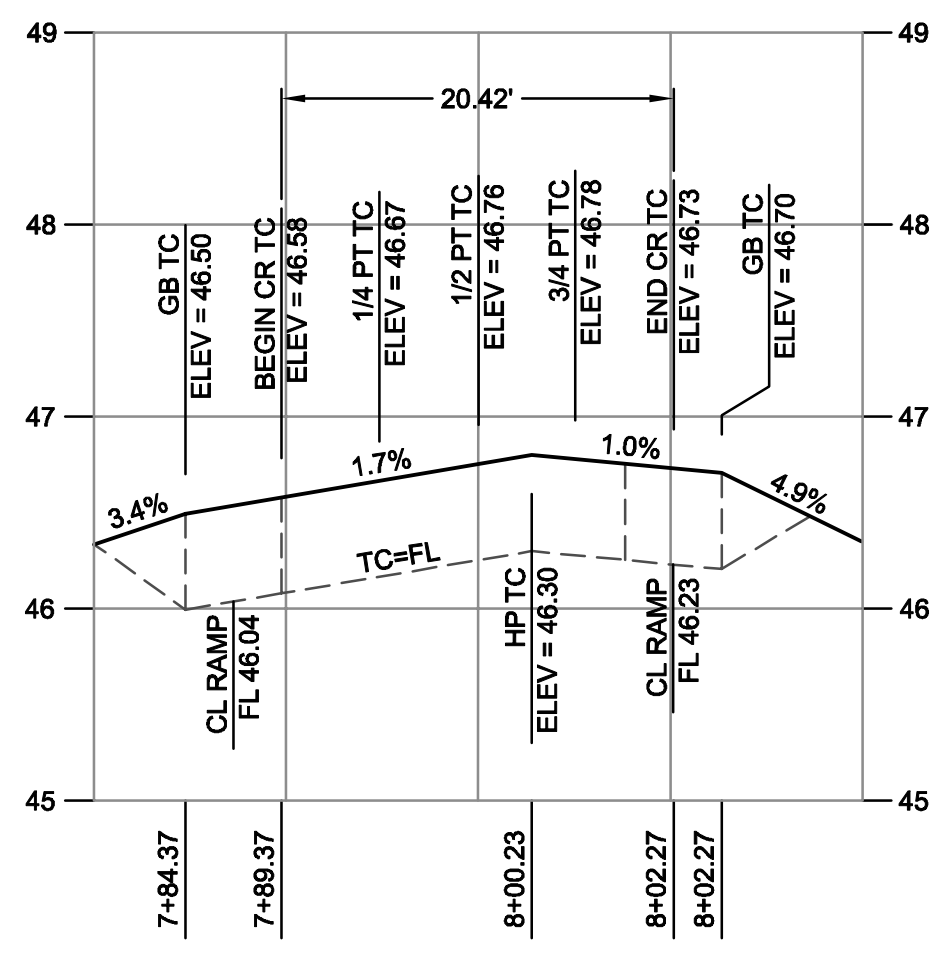
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

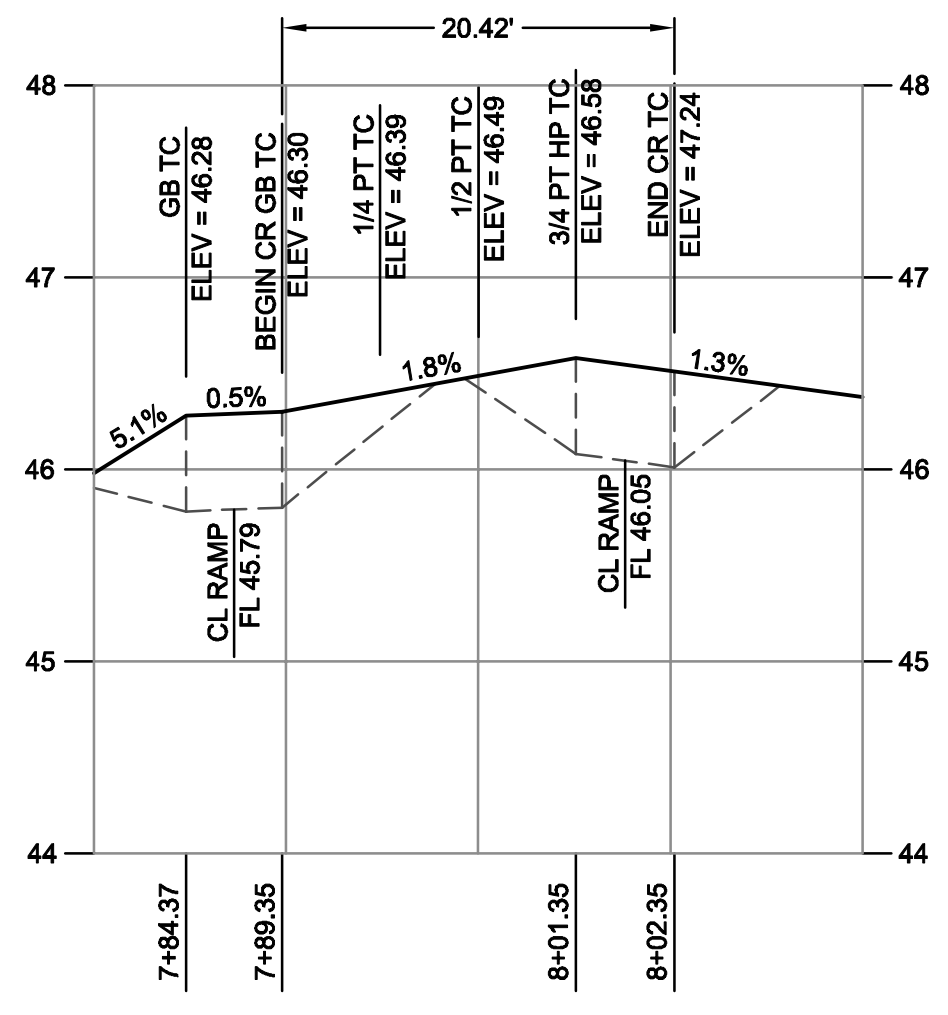
CURB RETURN PROFILES
MARIN AVENUE AT KAINS AVENUE

SHEET: **C-6.0** DWG No. (CIVIL SHEETS ONLY) 13 OF 22

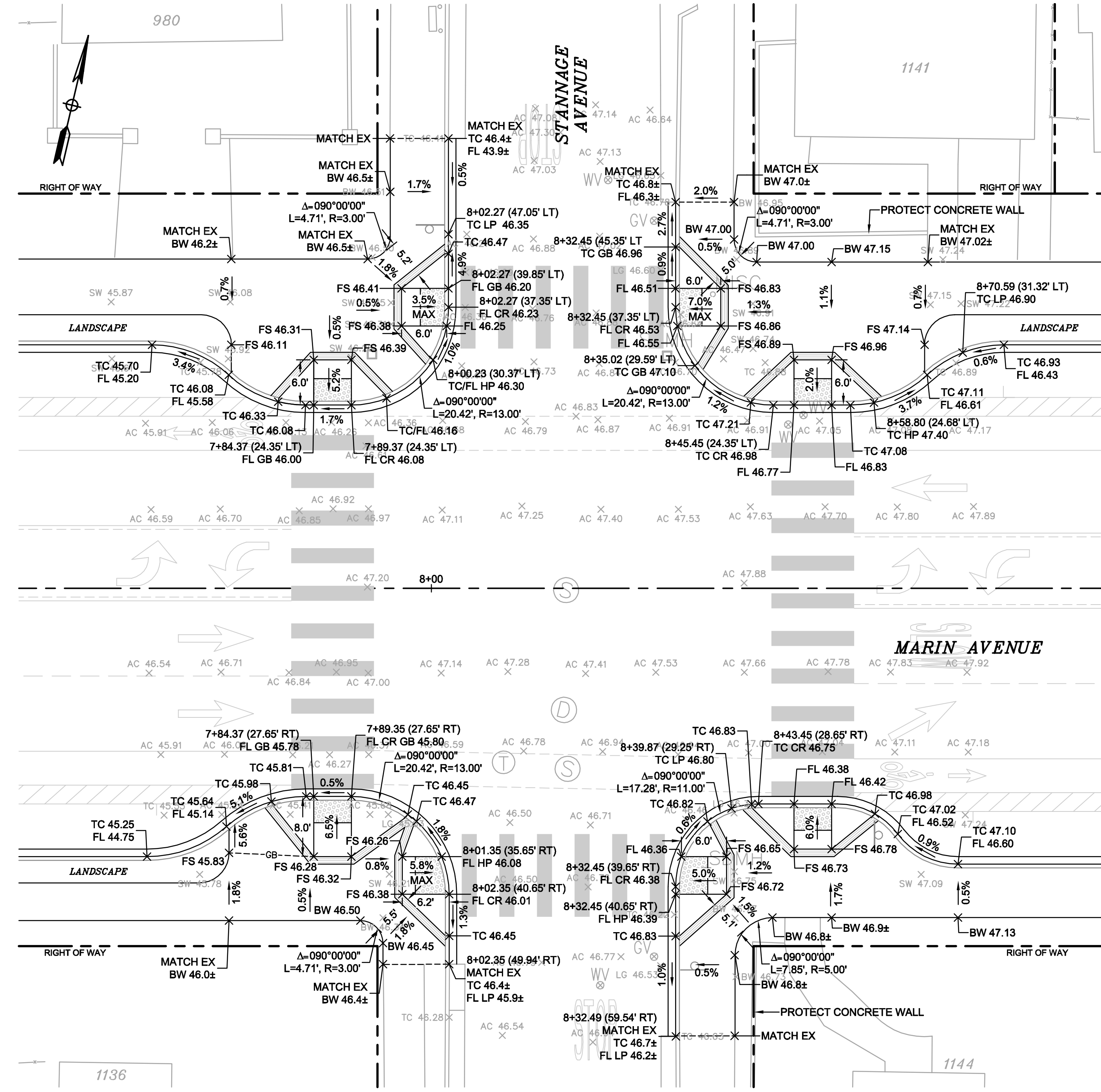
CONSTRUCTION BID SUBMITTAL (01/20/2017)



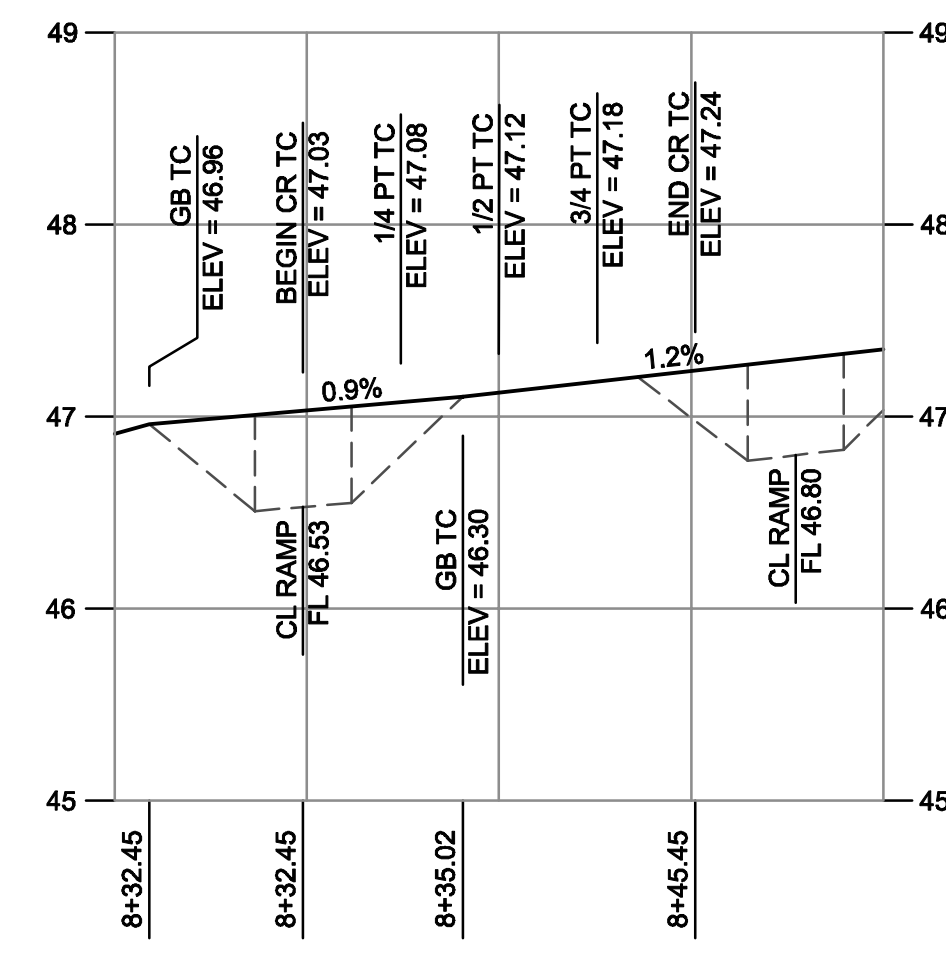
CURB RETURN PROFILE
NORTHWEST CORNER
1"=10' HORIZ.
1"=1' VERT.



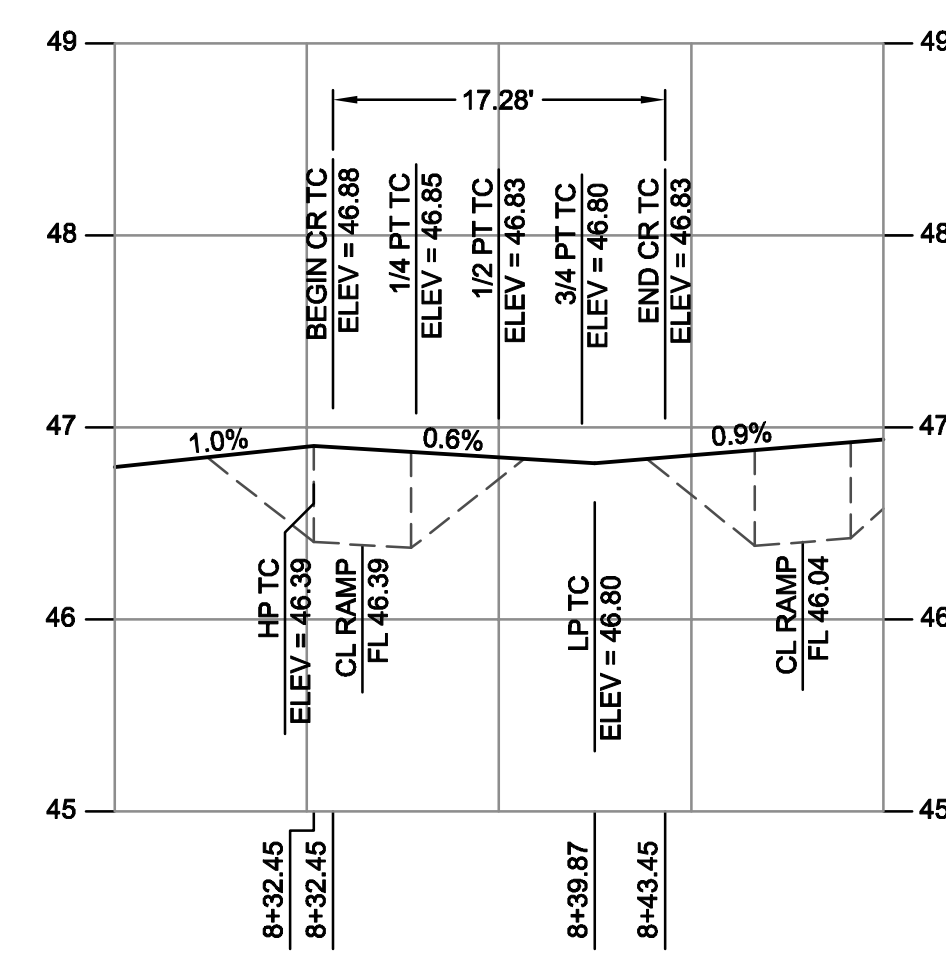
CURB RETURN PROFILE
SOUTHWEST CORNER
1"=10' HORIZ.
1"=1' VERT.



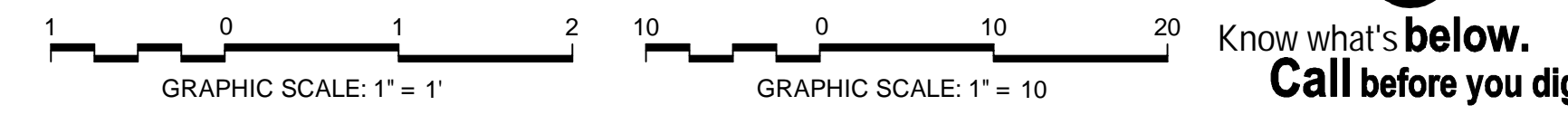
CURB RETURN PROFILE
MARIN AVENUE AT STANNAGE AVENUE
SCALE: 1" = 10'



CURB RETURN PROFILE
NORTHEAST CORNER
1"=10' HORIZ.
1"=1' VERT.



CURB RETURN PROFILE
SOUTHEAST CORNER
1"=10' HORIZ.
1"=1' VERT.



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:

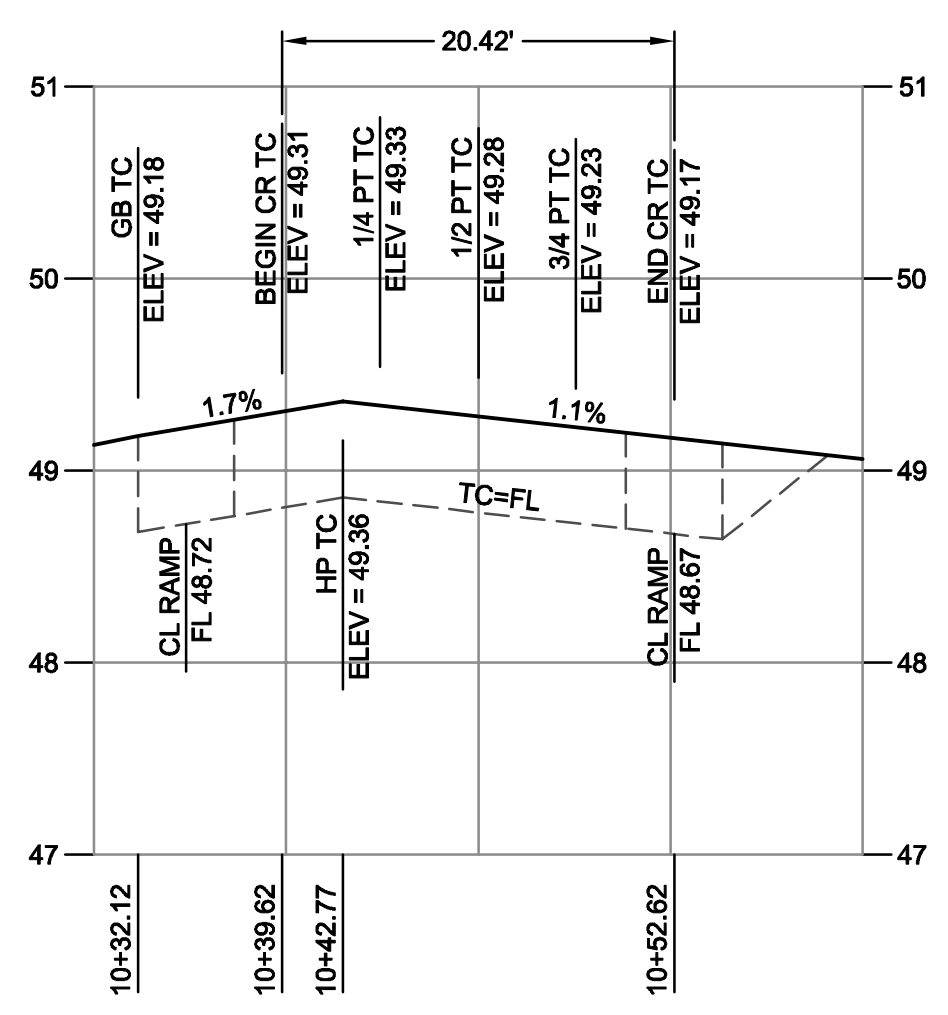
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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

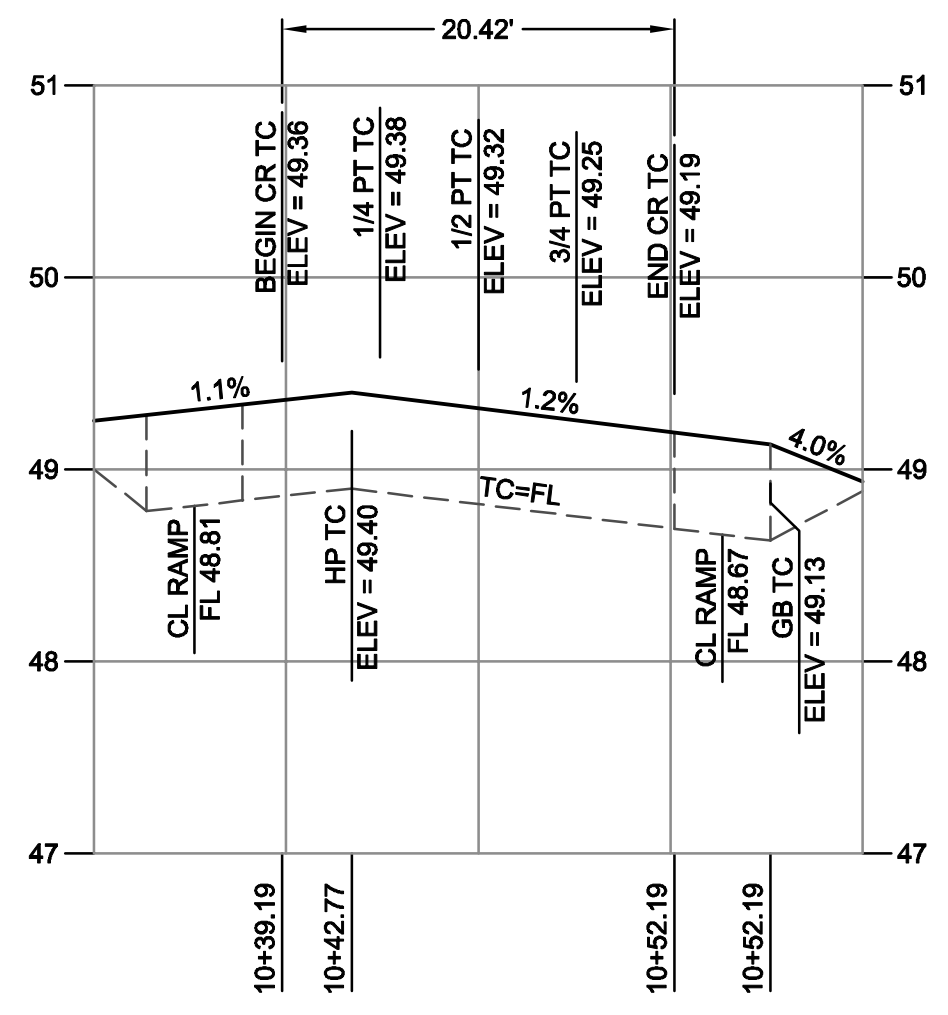
City of Albany
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

CURB RETURN PROFILE
MARIN AVENUE AT STANNAGE AVENUE
SHEET: C-6.1
DWG No. (CIVIL SHEETS ONLY) 14 OF 22

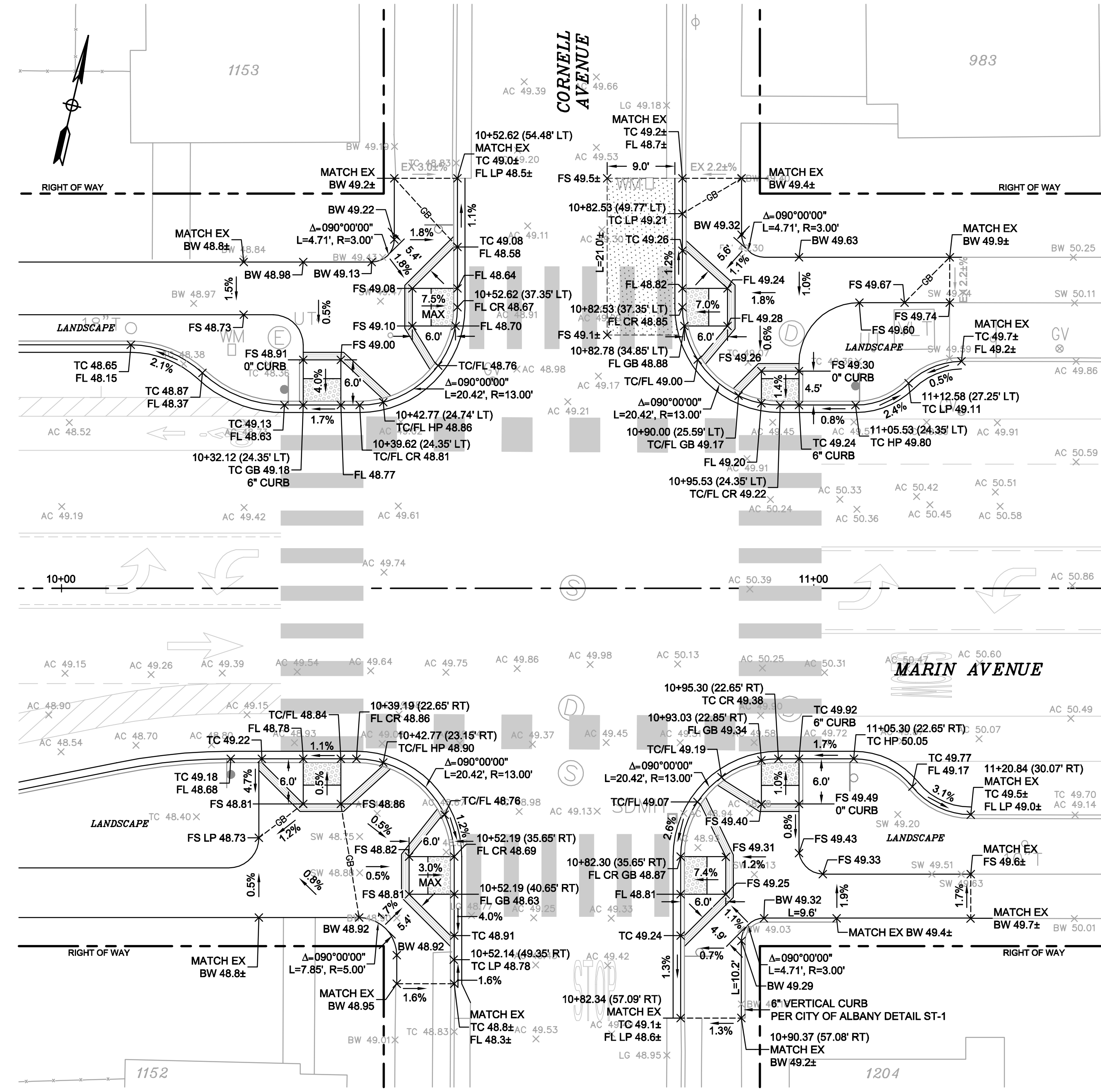
CONSTRUCTION BID SUBMITTAL (01/20/2017)



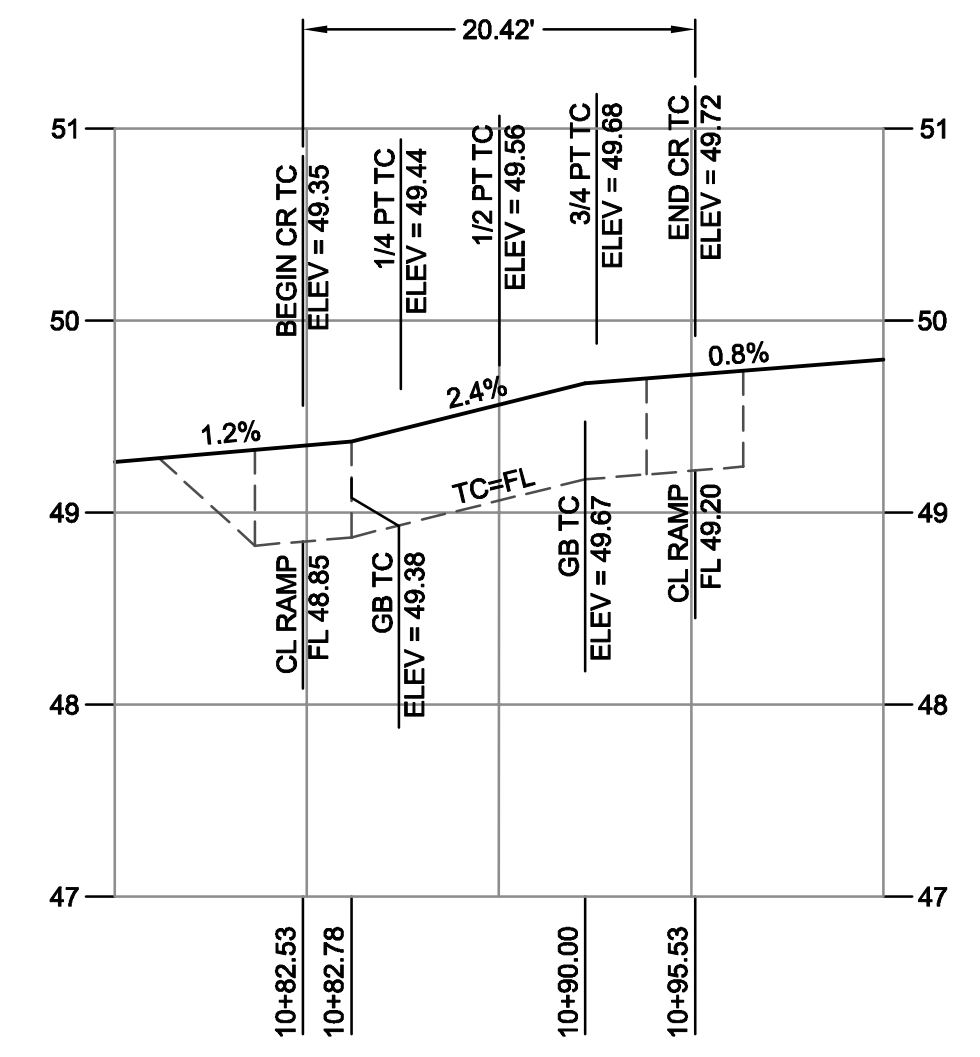
CURB RETURN PROFILE
NORTHWEST CORNER
1"=10' HORZ.
1"=1' VERT.



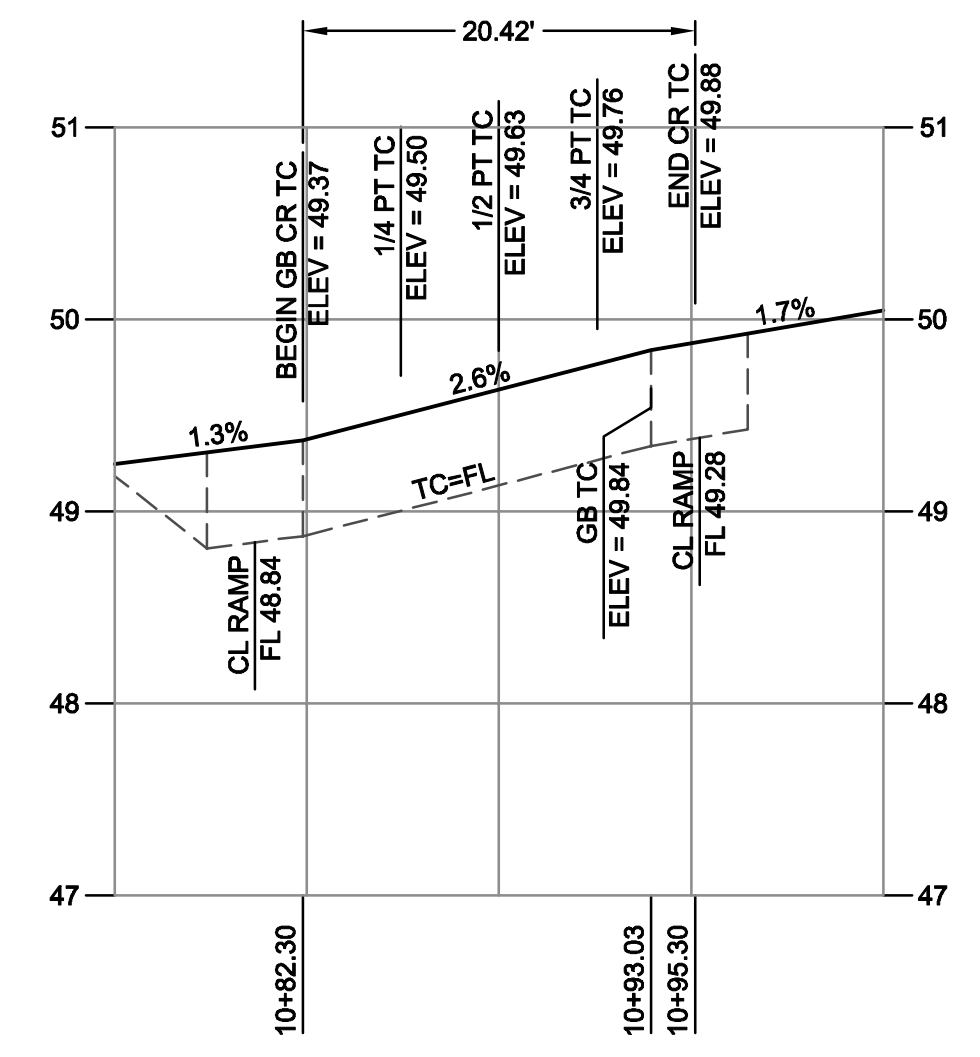
CURB RETURN PROFILE
SOUTHWEST CORNER
1"=10' HORZ.
1"=1' VERT.



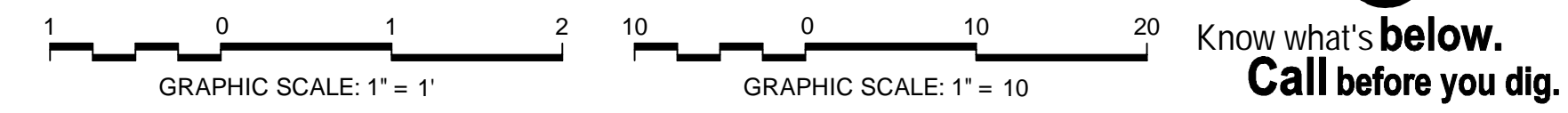
CURB RETURN PROFILE
MARIN AVENUE AT CORNELL AVENUE
SCALE: 1" = 10'



CURB RETURN PROFILE
NORTHEAST CORNER
1"=10' HORZ.
1"=1' VERT.



CURB RETURN PROFILE
SOUTHEAST CORNER
1"=10' HORZ.
1"=1' VERT.



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:
REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STEVENS
No. C 058660
CIVIL
STATE OF CALIFORNIA

BKF
ENGINEERS / SURVEYORS / PLANNERS
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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

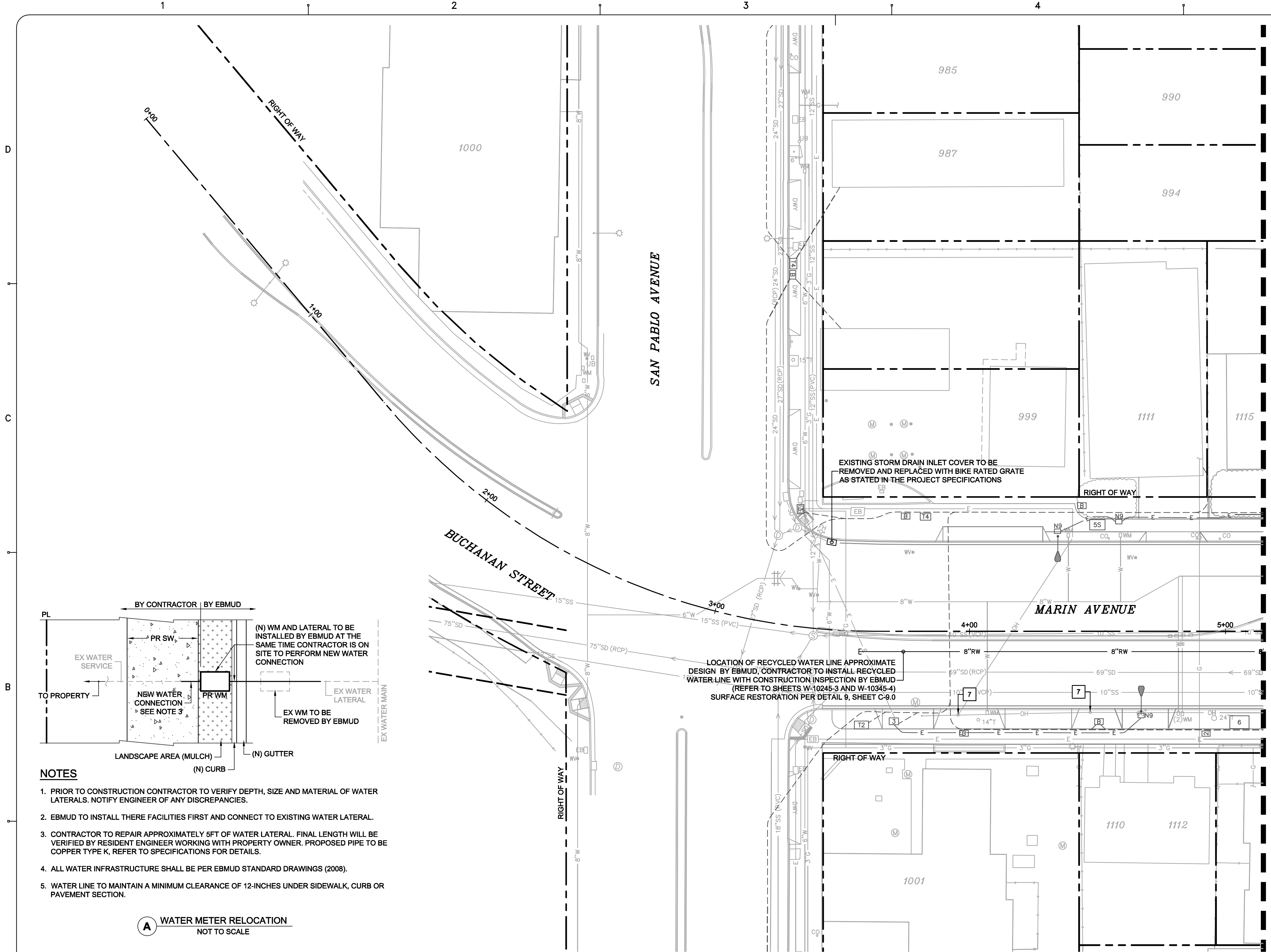
City of Albany
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

CURB RETURN PROFILES
MARIN AVENUE AT CORNELL AVE

SHEET: **C-6.2** DWG No. (CIVIL SHEETS ONLY) 15 OF 22

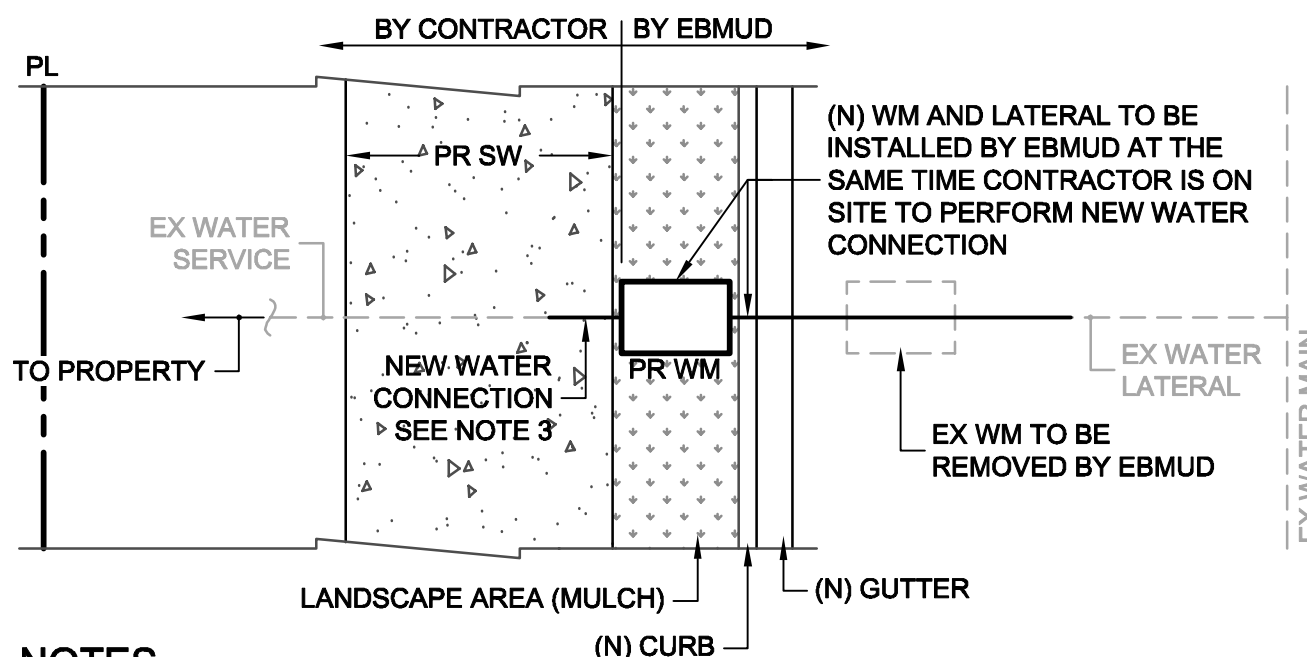


CONSTRUCTION BID SUBMITTAL (01/20/2017)



- LEGEND**
- PROPOSED**
- RIGHT OF WAY (RW)
 - - - - - JOINT TRENCH LINE (SEE NOTE 5)
 - - - - - ELECTRICAL LINE (SEE NOTE 5)
 - 8" RW — 8" PVC RECYCLED WATER LINE - DRY (SEE NOTE 6)
 - HDPE — HDPE STORM DRAIN LINE (SIZE NOTED ON PLANS)
 - STREET LIGHT (SEE NOTE 5)
 - ELECTRICAL / JOINT TRENCH VAULT (SEE NOTE 5)
 - STORM DRAIN INLET (TYPE F) PER CONTRA COSTA COUNTY STD CD25
 - STORM DRAIN JUNCTION BOX (SIZE NOTE ON PLANS)

- UTILITY NOTES**
- THE UTILITIES SHOWN ON THIS PLAN AREA 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.
 - WATER LATERAL INFORMATION SHOWN IS FOR REFERENCE ONLY. EBMUD IS RESPONSIBLE FOR THE RELOCATION FROM THE METER TO THE WATER MAIN, INCLUDING METER, BOX, AND PIPING UPSTREAM OF THE METER. ORIENTATION OF WATER METERS TO BE DETERMINED IN FIELD BY EBMUD. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING, ADDING, AND/OR REMOVING PIPE DOWNSTREAM OF THE METER.
 - FOR REMOVAL AND RELOCATION OF UTILITY STRUCTURES NOT SHOWN ON THIS PLAN, SEE DEMOLITION PLAN (SHEETS C3.0 THRU C3.1)
 - HYDRANT TO BE SET BEHIND SIDEWALK SHALL BE LOCATED IN CONFORMANCE WITH THE FIRE AGENCY'S AND CITY OF ALBANY OR COUNTY REQUIREMENTS
 - JOINT TRENCH AND ELECTRICAL INFORMATION SHOWN FOR REFERENCE ONLY. INSTALLATION WILL BE PART OF THE BUCHANAN STREET RULE 20 - PHASE 1 PROJECT. REFER TO JOINT TRENCH PLANS SHEETS JT-01 THRU JT-08 FOR MORE DETAILS.
 - RECYCLED WATER LINE INFORMATION SHOWN FOR REFERENCE ONLY. REFER TO EBMUD PLANS SHEETS W-10345-1 THRU W-10345-07 FOR MORE DETAILS.
 - RECYCLED WATER UTILITY TRENCH REPAIR SHALL CONFORM TO EBMUD STANDARD DRAWING 1992-A.
 - ALL UTILITY TRENCH REPAIR (SEWER, STORM DRAIN, ETC.) SHALL CONFORM TO CITY OF ALBANY STANDARD PLANS AND SPECIFICATIONS.
 - PRIOR TO CONSTRUCTION CONTRACTOR TO POTHOLE AND VERIFY LOCATION, DEPTH AND SIZE OF ALL EXISTING UTILITY CROSSINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES. REFER TO FIBER OPTIC NOTE 8.
 - REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
 - REFER TO SHEET C-2.2 FOR ADDITIONAL GENERAL PROJECT NOTES.



- NOTES**
- PRIOR TO CONSTRUCTION CONTRACTOR TO VERIFY DEPTH, SIZE AND MATERIAL OF WATER LATERALS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - EBMUD TO INSTALL THESE FACILITIES FIRST AND CONNECT TO EXISTING WATER LATERAL.
 - CONTRACTOR TO REPAIR APPROXIMATELY 5FT OF WATER LATERAL. FINAL LENGTH WILL BE VERIFIED BY RESIDENT ENGINEER WORKING WITH PROPERTY OWNER. PROPOSED PIPE TO BE COPPER TYPE K, REFER TO SPECIFICATIONS FOR DETAILS.
 - ALL WATER INFRASTRUCTURE SHALL BE PER EBMUD STANDARD DRAWINGS (2008).
 - WATER LINE TO MAINTAIN A MINIMUM CLEARANCE OF 12-INCHES UNDER SIDEWALK, CURB OR PAVEMENT SECTION.

(A) WATER METER RELOCATION
NOT TO SCALE

CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:

CLIENT:

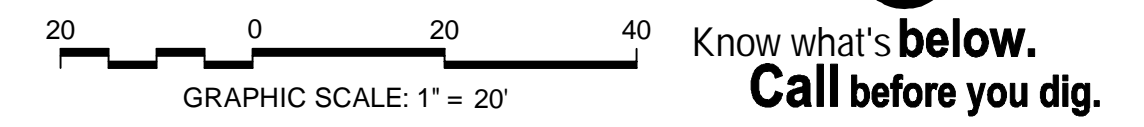
MARK HURLEY, CITY OF ALBANY ENGINEER HAS REVIEWED AND APPROVED THE PLANS FOR GENERAL CONFORMANCE WITH THE CITY OF ALBANY STANDARD SPECIFICATIONS AND ORDINANCES

City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

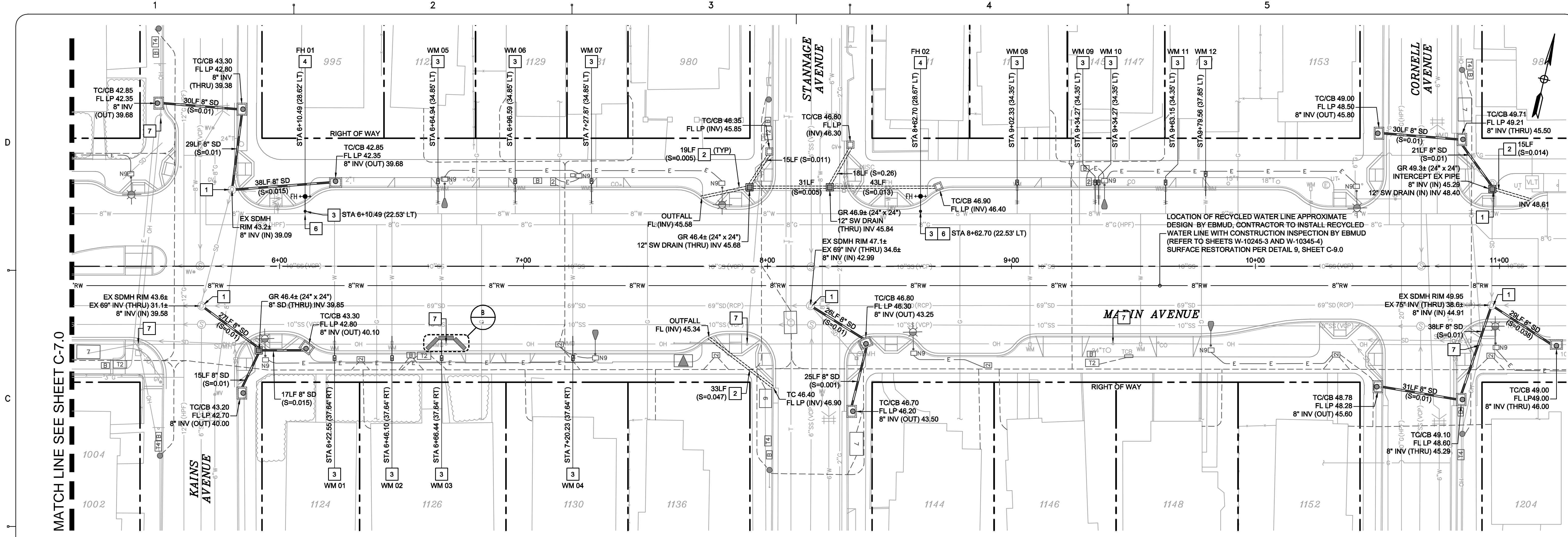
UTILITY - DRAINAGE PLAN
MARIN AVE (KAINS AVE TO CORNELL AVE)
STA 0+00.00 TO STA 5+14.86

SHEET: **C-7.0** DWG No. (CIVIL SHEETS ONLY) 16 OF 22



MATCH LINE SEE SHEET C-7.1

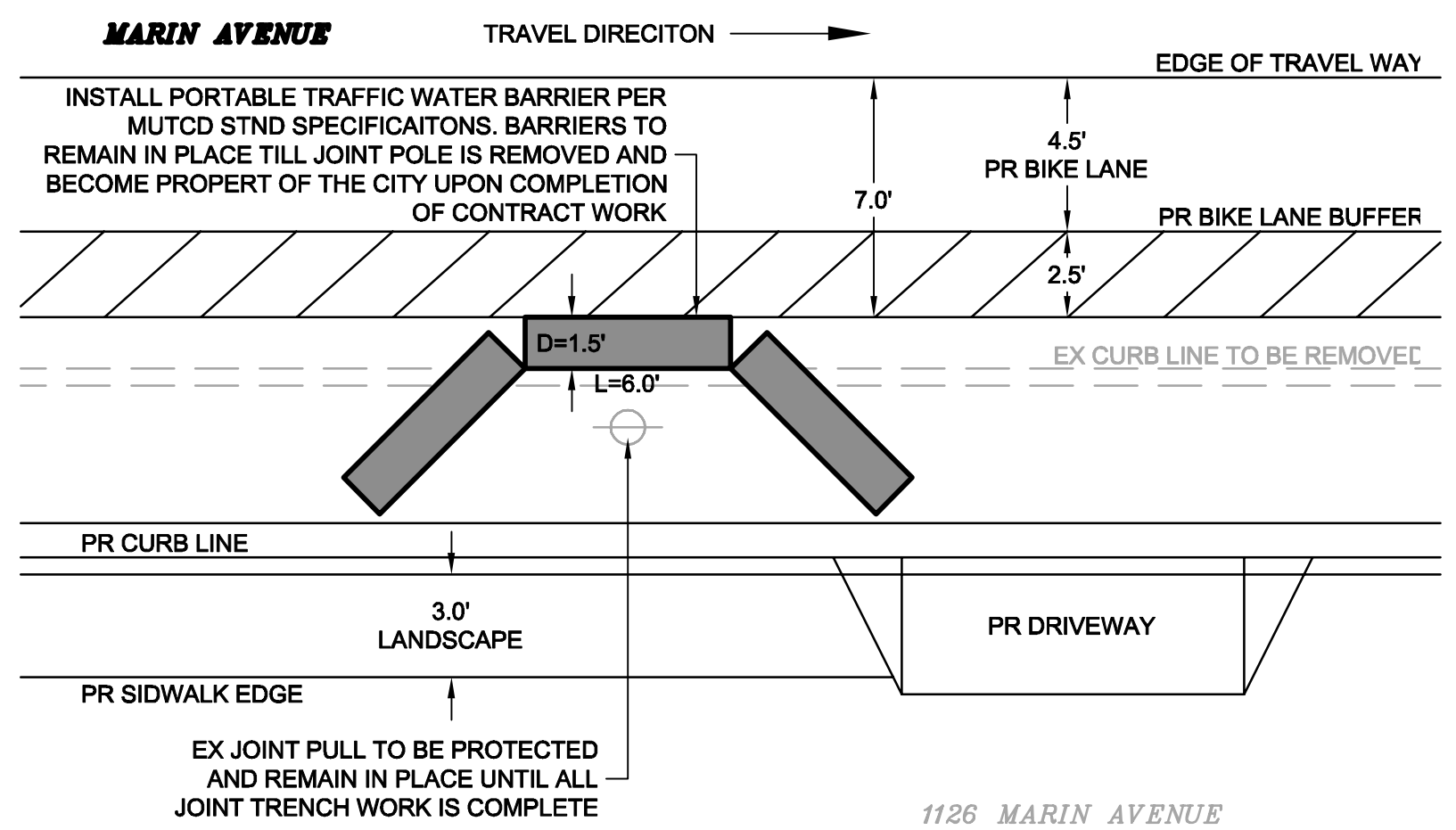
CONSTRUCTION BID SUBMITTAL (01/20/2017)



- LEGEND**
- PROPOSED
 - RIGHT OF WAY (RW)
 - JOINT TRENCH LINE (SEE NOTE 5)
 - ELECTRICAL LINE (SEE NOTE 5)
 - 8" RW
 - 8" PVC RECYCLED WATER LINE - DRY (SEE NOTE 6)
 - HDPE STORM DRAIN LINE (SIZE NOTED ON PLANS)
 - STREET LIGHT (SEE NOTE 5)
 - ELECTRICAL / JOINT TRENCH VAULT (SEE NOTE 5)
 - STORM DRAIN INLET (TYPE F) PER CONTRA COSTA COUNTY STND CD25
 - STORM DRAIN JUNCTION BOX (SIZE NOTE ON PLANS)

- KEY NOTES**
- PIPE CONNECTION INTO EXISTING STRUCTURE
 - 3.25" x 12" 18 GAGE GALVANIZED METAL SIDEWALK DRAIN PER ALAMEDA COUNTY STND SD-513
 - RELOCATE WATER METER BY EBMUD SEE DETAIL A, SHEET C-7.0
 - RELOCATED FIRE HYDRANT BY EBMUD
 - WATER VALVE PER EBMUD STND DETAIL 288-EA
 - WATER LATERAL CONNECTION TO MAIN PER EBMUD STND DETAIL 238-EA
 - PROTECT EXISTING JOINT POLE POLES TO BE REMOVED AS PART OF BUCHANAN STREET RULE 20 - PHASE 1 PROJECT

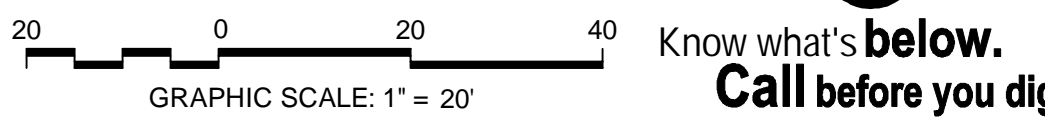
- UTILITY NOTES**
- THE UTILITIES SHOWN ON THIS PLAN AREA DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS PLAN SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
 - WATER LATERAL INFORMATION SHOWN IS FOR REFERENCE ONLY. EBMUD IS RESPONSIBLE FOR THE RELOCATION FROM THE METER TO THE WATER MAIN. INCLUDING METER, BOX, AND PIPING UPSTREAM OF THE METER. ORIENTATION OF WATER METERS TO BE DETERMINED IN FIELD BY EBMUD. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING, ADDING, AND/OR REMOVING PIPE DOWNSTREAM OF THE METER.
 - FOR REMOVAL AND RELOCATION OF UTILITY STRUCTURES NOT SHOWN ON THIS PLAN, SEE DEMOLITION PLAN (SHEETS C3.0 THRU C3.1)
 - HYDRANT TO BE SET BEHIND SIDEWALK SHALL BE LOCATED IN CONFORMANCE WITH THE FIRE AGENCY'S AND CITY OF ALBANY OR COUNTY REQUIREMENTS
 - JOINT TRENCH AND ELECTRICAL INFORMATION SHOWN FOR REFERENCE ONLY. INSTALLATION WILL BE PART OF THE BUCHANAN STREET RULE 20 - PHASE 1 PROJECT. REFER TO JOINT TRENCH PLANS SHEETS JT-01 THRU JT-08 FOR MORE DETAILS.
 - RECYCLED WATER LINE INFORMATION SHOWN FOR REFERENCE ONLY. REFER TO EBMUD PLANS SHEETS W-10345-1 THRU W-10345-07 FOR MORE DETAILS.
 - RECYCLED WATER UTILITY TRENCH REPAIR SHALL CONFORM TO EBMUD STANDARD DRAWING 1992-A.
 - ALL UTILITY TRENCH REPAIR (SEWER, STORM DRAIN, ETC.) SHALL CONFORM TO CITY OF ALBANY STANDARD DETAIL ST-13 "TRENCH SURFACE RESTORATION DETAIL."
 - PRIOR TO CONSTRUCTION CONTRACTOR TO POTHOLE AND VERIFY LOCATION, DEPTH AND SIZE OF ALL EXISTING UTILITY CROSSINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
 - REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
 - REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES.



LATERAL SCHEDULE (* DUE TO UNKNOWN AGE AND CONDITION OF EXISTING PIPE, THE CONTRACTOR MAY NEED TO REPLACE MORE PIPE THAN SHOWN ON THE PLANS)

HOUSE NUMBER	WATER METER NUMBER	TOTAL NEW LATERAL LENGTH (FT)	CONTRACTOR RESPONSIBILITY	EBMUD RESPONSIBILITY
1124	WM 01	15.0'	5.0'	10.0'
1126	WM 02	15.0'	5.0'	10.0'
1126	WM 03	15.0'	5.0'	10.0'
1130	WM 04	15.0'	5.0'	10.0'
1121	WM 05	15.0'	5.0'	10.0'
1129	WM 06	15.0'	5.0'	10.0'
1131	WM 07	15.0'	5.0'	10.0'
1143	WM 08	15.0'	5.0'	10.0'
1145	WM 09	15.0'	5.0'	10.0'
1147	WM 10	15.0'	5.0'	10.0'
1151	WM 11	15.0'	5.0'	10.0'
1151	WM 12	15.0'	5.0'	10.0'

JOINT POLE - TEMPORARY BARRIERS
NOT TO SCALE



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 31, 2017

REGISTRATION:

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

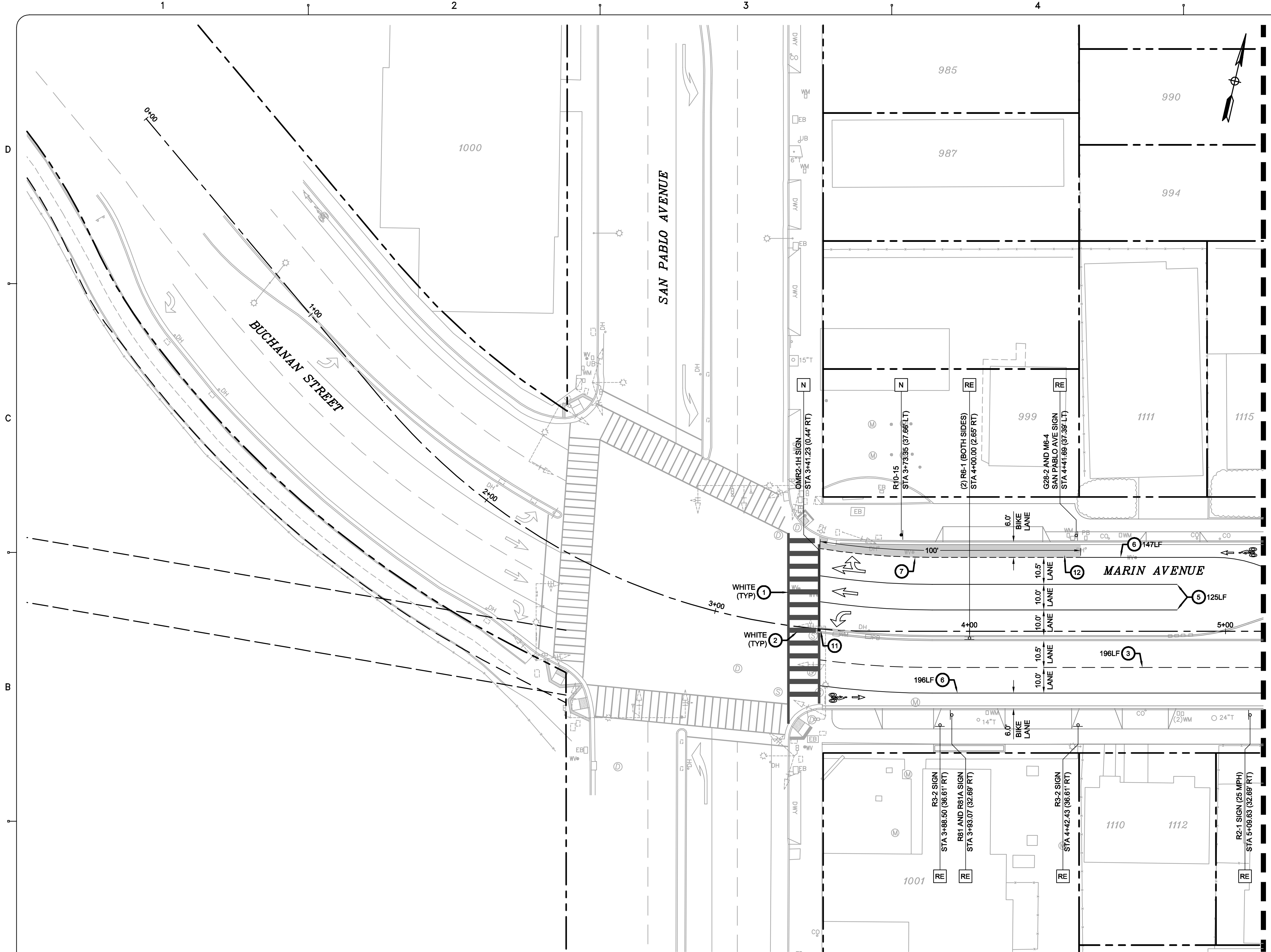
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

UTILITY - DRAINAGE PLAN
MARIN AVE (KAINS AVE TO CORNELL AVE)
STA 5+14.86 TO STA 11+27.32

SHEET: **C-7.1** DWG No. (CIVIL SHEETS ONLY) 17 OF 22

CONSTRUCTION BID SUBMITTAL - ADDENDUM 1 (01/31/2017)

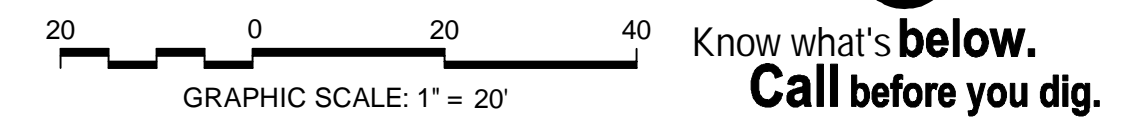


- LEGEND**
- PROPOSED**
- RIGHT OF WAY (RW)
 - REUSE EXISTING SIGN. INSTALL ON NEW POST AND FOUNDATION POST INSTALLATION PER CITY OF ALBANY STND ST-12
 - PROPOSED SIGN, POST AND FOUNDATION INSTALLATION POST INSTALLATION PER CITY OF ALBANY STND ST-12
 - BIKE LANE SYMBOL WITH PERSON AND ARROW PER CALTRANS STND PLAN RSP A24A AND RSP A24C
 - TYPE I (10') ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE IV (LEFT AND RIGHT TURN) ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE VI (RIGHT LANE DROP) ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE VIII WITH RIGHT TURN ARROW PER CALTRANS STND PLAN RSP A24A
 - CHEVRON SHARROW PER CALTRANS STND PLAN
 - PAVEMENT MARKINGS (ALL WORDS) PER CALTRANS STND PLAN A24D

- KEY NOTES**
- ① 12" WIDE STRIPE (COLOR NOTED ON PLANS)
 - ② 24" WIDE STRIPE AT 36" SPACING (COLOR NOTED ON PLANS) PER CALTRANS STND PLAN RSP A24F
 - ③ LANE LINE (DETAIL 8) PER CALTRANS STND PLAN A20A
 - ④ TWO WAY LEFT TURN LANE (DETAIL 31) PER CALTRANS STND PLAN A20B
 - ⑤ CHANNELIZING LINE (DETAIL 38A) PER CALTRANS STND PLAN A20D
 - ⑥ BIKE LANE LINE (DETAIL 39) PER CALTRANS STND PLAN A20D
 - ⑦ BIKE LANE - INTERSECTION LINE (DETAIL 39A) PER CALTRANS STND PLAN A20D
 - ⑧ LANE LINE EXTENSIONS THROUGH INTERSECTIONS (DETAIL 40) PER CALTRANS STND PLAN A20D
 - ⑨ BIKE LANE BUFFER
 - ⑩ (6) YELLOW FLEXPOST FLEX BOLLARD OR APPROVED EQUAL
 - ⑪ YELLOW REFLECTORS AT MEDIAN NOSE PAINT NOSE CURB YELLOW
 - ⑫ 4" WHITE STRIPE OVER GREEN PAINT

- SIGNAGE AND STRIPING NOTES**
1. WITHIN THE PROJECT LIMITS REMOVE AND SALVAGE ALL EXISTING SIGNAGE THAT IS IN CONFLICT WITH PROPOSED WORK (REUSE SIGN WHEN POSSIBLE). COORDINATE WITH CITY OF ALBANY.
 2. EXISTING SIGNING AND STRIPING BEYOND PROJECT LIMITS ARE TO REMAIN. IF DAMAGED, CONTRACTOR SHALL RESTORE AT THEIR OWN EXPENSE.
 3. OFFSET OF PROPOSED SIGNAGE SHOWN ON THIS PLAN IS TO BE MEASURED FROM STATION LINE TO CENTER OF SIGN POST. REFER TO CITY OF ALBANY STANDARD DETAILS ST-11 AND ST-12 FOR INFORMATION ON SIGN INSTALLATION.
 4. WHEN SIGNS WITH ARROWS USED THE SIGNS SHOULD BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.
 5. ALL PROPOSED SIGNS SHALL BE NEW AND MADE OF RETROREFLECTIVE MATERIAL PER FHWA GUIDELINES.
 6. INSTALL NEW SIGN POLE AND FOUNDATION FOR ALL NEW AND SALVAGED SIGNS PER CITY OF ALBANY STANDRAD DETAILS ST-11 AND ST-12.
 7. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
 8. REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES
 7. REFER TO SHEET C7.1 FOR STREET SIGN CODES.

MATCH LINE SEE SHEET C-8.1



CAUTION:
HIGH PRESSURE GAS LINES WITHIN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 31, 2017

REGISTRATION:

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

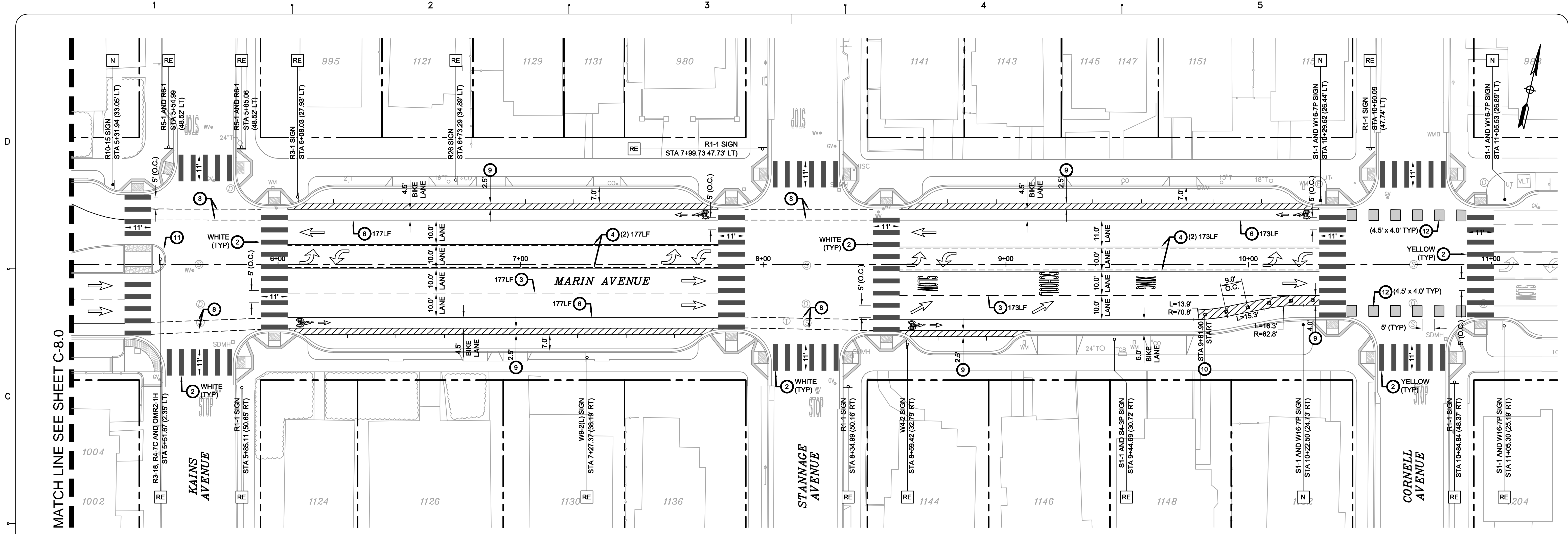
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

SIGNAGE AND STRIPING PLAN
MARIN AVE (SAN PABLO AVE INTERSECTION)
STA 0+00.00 TO STA 5+14.86

SHEET: **C-8.0** DWG No. (CIVIL SHEETS ONLY) 18 OF 22

CONSTRUCTION BID SUBMITTAL - ADDENDUM 1 (01/31/2017)



MATCH LINE SEE SHEET C-8.0

LEGEND

- PROPOSED**
- RIGHT OF WAY (RW)
 - REUSE EXISTING SIGN. INSTALL ON NEW POST AND FOUNDATION POST INSTALLATION PER CITY OF ALBANY STND ST-12
 - PROPOSED SIGN, POST AND FOUNDATION INSTALLATION POST INSTALLATION PER CITY OF ALBANY STND ST-12
 - KEYNOTE NO USED ON SHEET
 - BIKE LANE SYMBOL WITH PERSON AND ARROW PER CALTRANS STND PLAN RSP A24A AND RSP A24C
 - TYPE I (10') ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE IV (LEFT AND RIGHT TURN) ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE VI (RIGHT LANE DROP) ARROW PER CALTRANS STND PLAN RSP A24A
 - TYPE VIII WITH RIGHT TURN ARROW PER CALTRANS STND PLAN RSP A24A
 - CHEVRON SHARROW PER CALTRANS STND PLAN
 - PAVEMENT MARKINGS (ALL WORDS) PER CALTRANS STND PLAN A24D

KEY NOTES

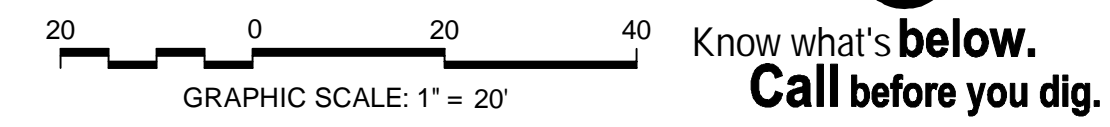
- ① 12" WIDE STRIPE (COLOR NOTED ON PLANS)
- ② 24" WIDE STRIPE AT 36" SPACING (COLOR NOTED ON PLANS) PER CALTRANS STND PLAN RSP A24F
- ③ LANE LINE (DETAIL 8) PER CALTRANS STND PLAN A20A
- ④ TWO WAY LEFT TURN LANE (DETAIL 31) PER CALTRANS STND PLAN A20B
- ⑤ CHANNELIZING LINE (DETAIL 38A) PER CALTRANS STND PLAN A20D
- ⑥ BIKE LANE LINE (DETAIL 39) PER CALTRANS STND PLAN A20D
- ⑦ BIKE LANE - INTERSECTION LINE (DETAIL 39A) PER CALTRANS STND PLAN A20D
- ⑧ LANE LINE EXTENSIONS THROUGH INTERSECTIONS (DETAIL 40) PER CALTRANS STND PLAN A20D
- ⑨ BIKE LANE BUFFER
- ⑩ (6) YELLOW FLEXPST FLEX BOLLARD OR APPROVED EQUAL
- ⑪ YELLOW REFLECTORS AT MEDIAN NOSE PAINT NOSE CURB YELLOW
- ⑫ 4" WHITE STRIPE OVER GREEN PAINT

SIGNAGE AND STRIPING NOTES

1. WITHIN THE PROJECT LIMITS REMOVE AND SALVAGE ALL EXISTING SIGNAGE THAT IS IN CONFLICT WITH PROPOSED WORK (REUSE SIGN WHEN POSSIBLE). COORDINATE WITH CITY OF ALBANY.
2. EXISTING SIGNING AND STRIPING BEYOND PROJECT LIMITS ARE TO REMAIN. IF DAMAGED, CONTRACTOR SHALL RESTORE AT THEIR OWN EXPENSE.
3. OFFSET OF PROPOSED SIGNAGE SHOWN ON THIS PLAN IS TO BE MEASURED FROM STATION LINE TO CENTER OF SIGN POST. REFER TO CITY OF ALBANY STANDARD DETAILS ST-11 AND ST-12 FOR INFORMATION ON SIGN INSTALLATION.
4. WHEN SIGNS WITH ARROWS USED THE SIGNS SHOULD BE SET AT AN ANGLE OF NOT LESS THAN 30° NOR MORE THAN 45° WITH THE LINE OF TRAFFIC FLOW.
5. ALL PROPOSED SIGNS SHALL BE NEW AND MADE OF RETROREFLECTIVE MATERIAL PER FHWA GUIDELINES.
6. INSTALL NEW SIGN POLE AND FOUNDATION FOR ALL NEW AND SALVAGED SIGNS PER CITY OF ALBANY STANDARD DETAILS ST-11 AND ST-12.
7. REFER TO SHEET C9.1 FOR CITY OF ALBANY STANDARD DETAILS.
8. REFER TO SHEET C2.2 FOR ADDITIONAL GENERAL PROJECT NOTES

STREET SIGN CODES

- G28-2 CALIFORNIA 123 MARKER
- M6-4 DIRECTIONAL ARROW (GREEN SIGN)
- OMR2-1H TYPE 2 OBJECT MARKER
- R1-1 STOP
- R2-1 SPEED LIMIT
- R3-1 NO RIGHT TURN
- R3-2 NO LEFT TURN
- R3-18 NO LEFT TURN OR U TURN
- R4-7C KEEP LEFT - MEDIAN
- R5-1 DO NOT ENTER
- R6-1 ONE WAY
- R10-15 TURNING VEHICLES YIELD TO BIKE (MODIFIED SIGN)
- R26 NO PARKING ANY TIME
- R44A BIKE PATH, NO MOTOR VEHICLES OR MORIZED BIKES
- R81 BIKE LANE
- R81A "BEGIN"
- R81B "END"
- R99 ACCESSIBLE PARKING ONLY
- S1-1 SCHOOL CROSSING
- S4-3P "SCHOOL"
- SW24-2 SCHOOL CROSSING WITH ARROW
- W4-2 LAND ENDS SYMBOL
- W9-2(L) LANE ENDS MERGE LEFT



CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 31, 2017

REGISTRATION:

322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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



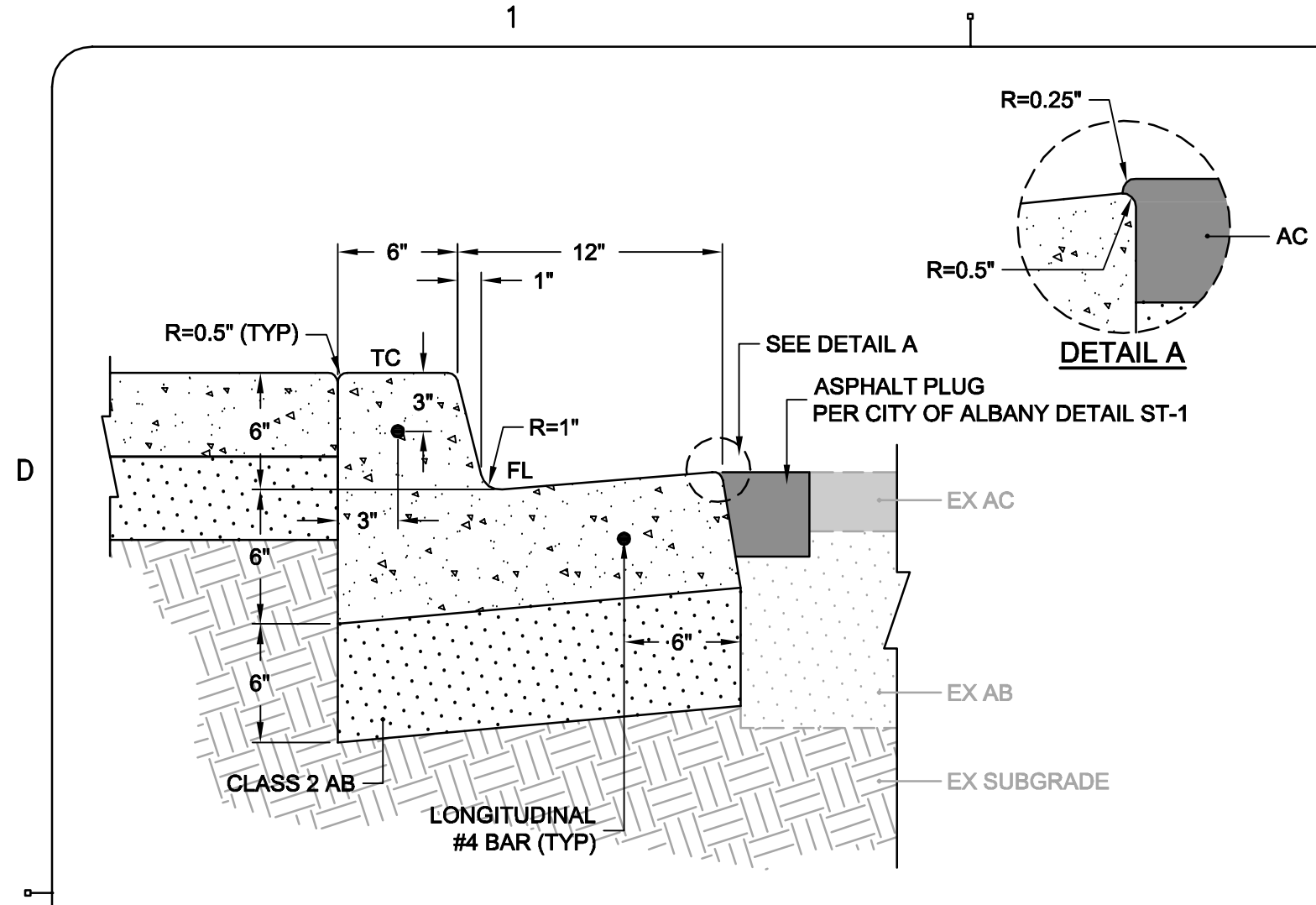
City of Albany

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

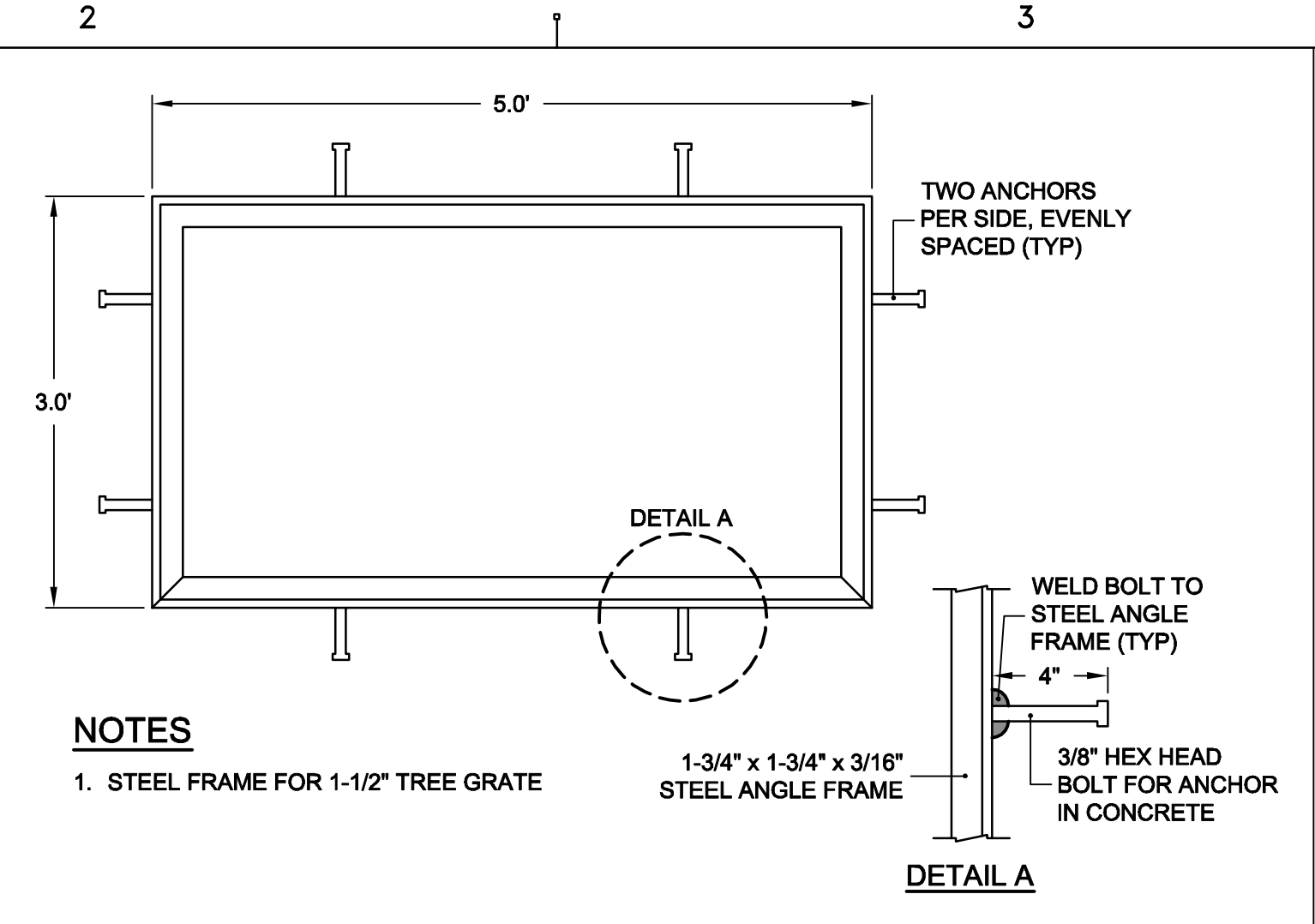
SIGNAGE AND STRIPING PLAN
MARIN AVE (KAINS AVE TO CORNELL AVE)
STA 5+14.86 TO STA 11+27.32

SHEET: **C-8.1** DWG No. (CIVIL SHEETS ONLY) 19 OF 22

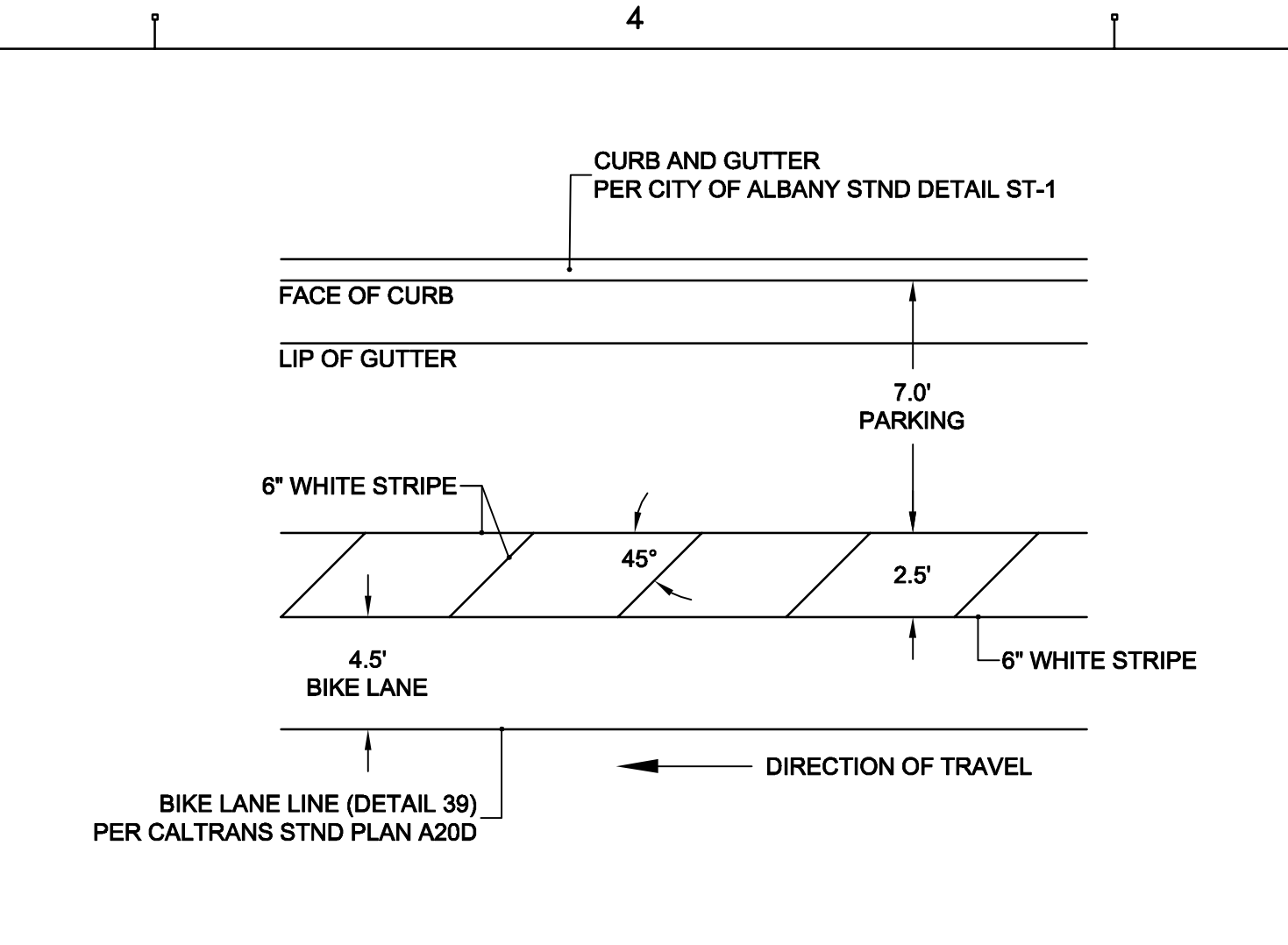
CONSTRUCTION BID SUBMITTAL - ADDENDUM 1 (01/31/2017)



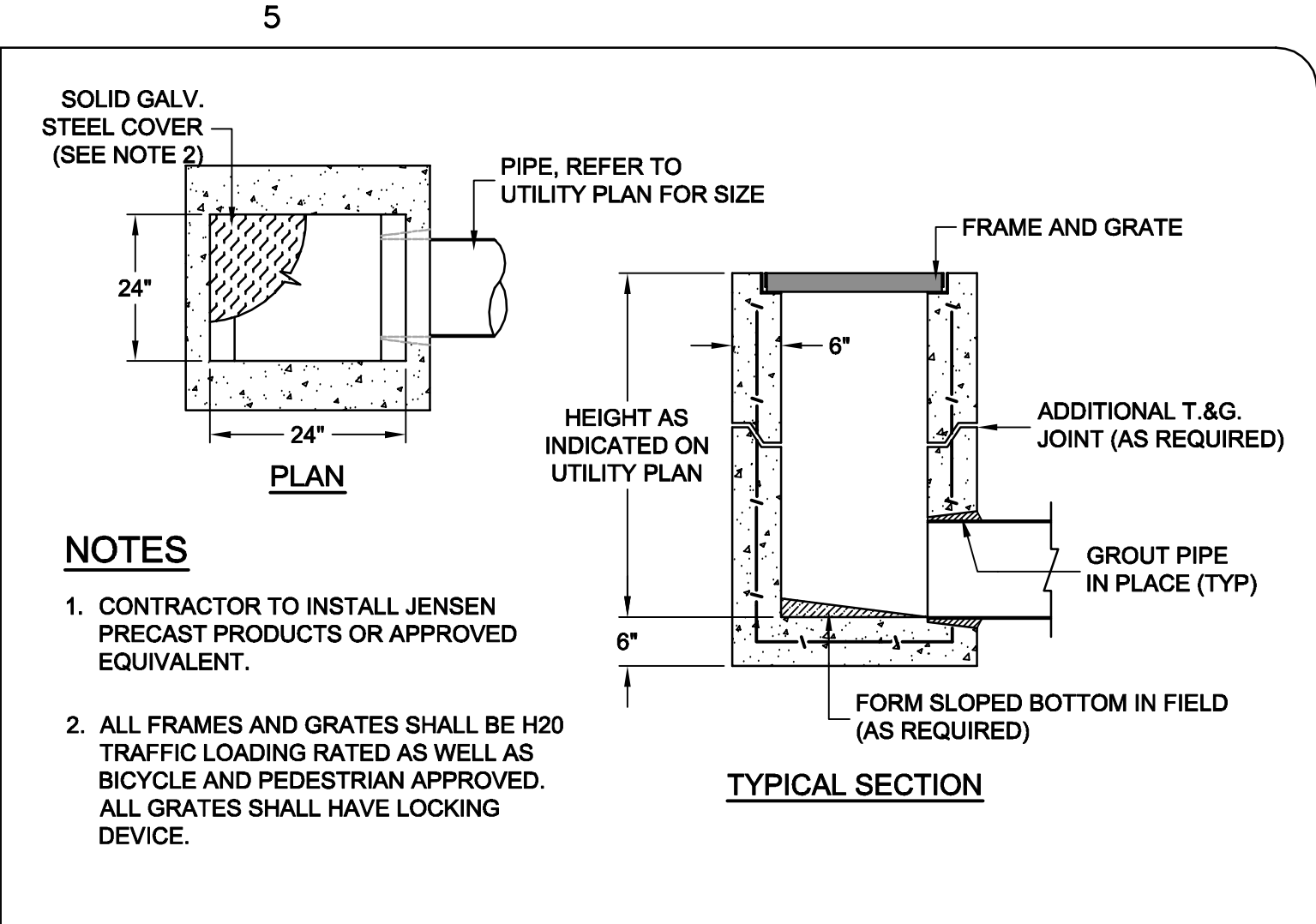
12 INCH CONCRETE CURB AND GUTTER
NOT TO SCALE **1**



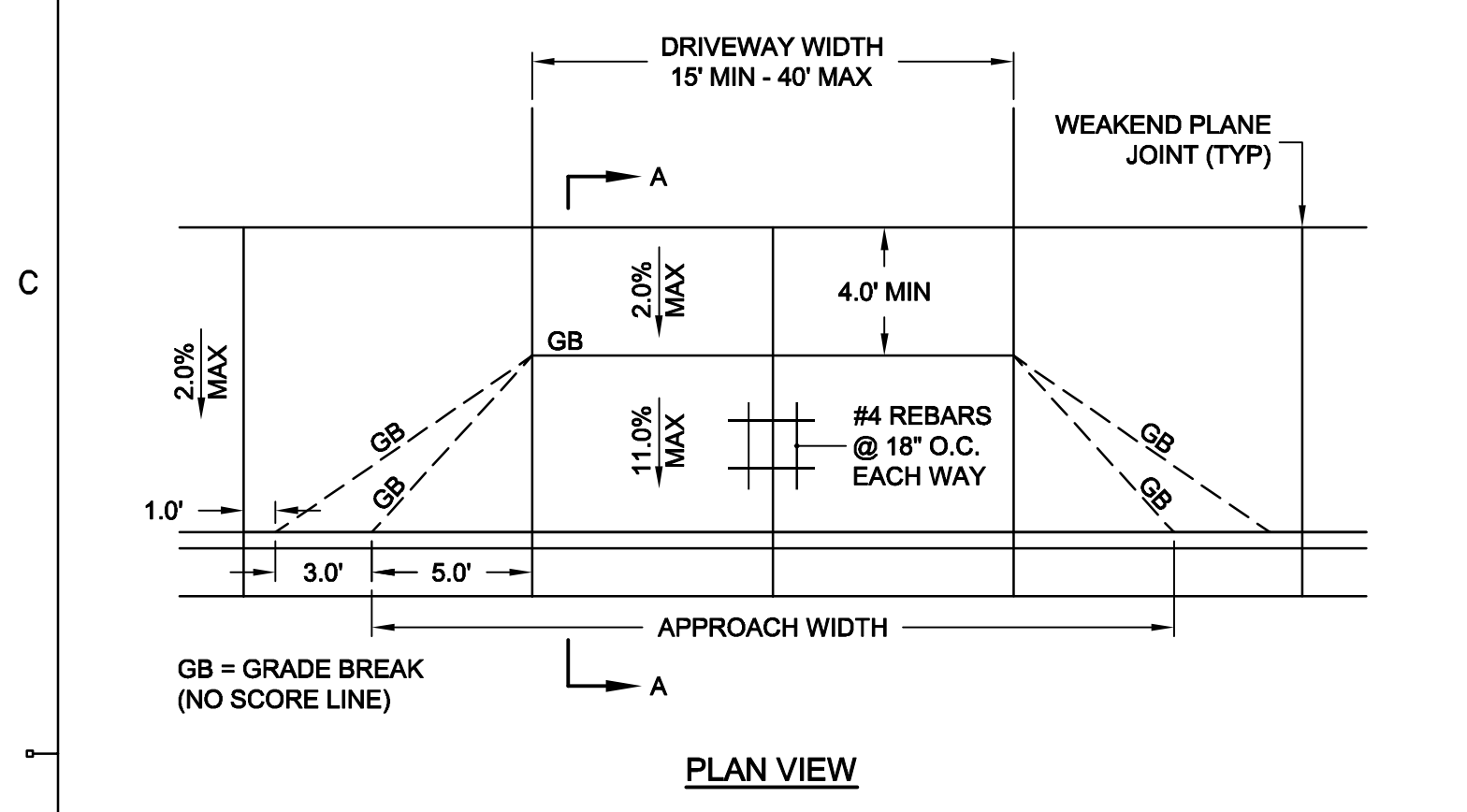
TREE GRATE FRAME
NOT TO SCALE **3**



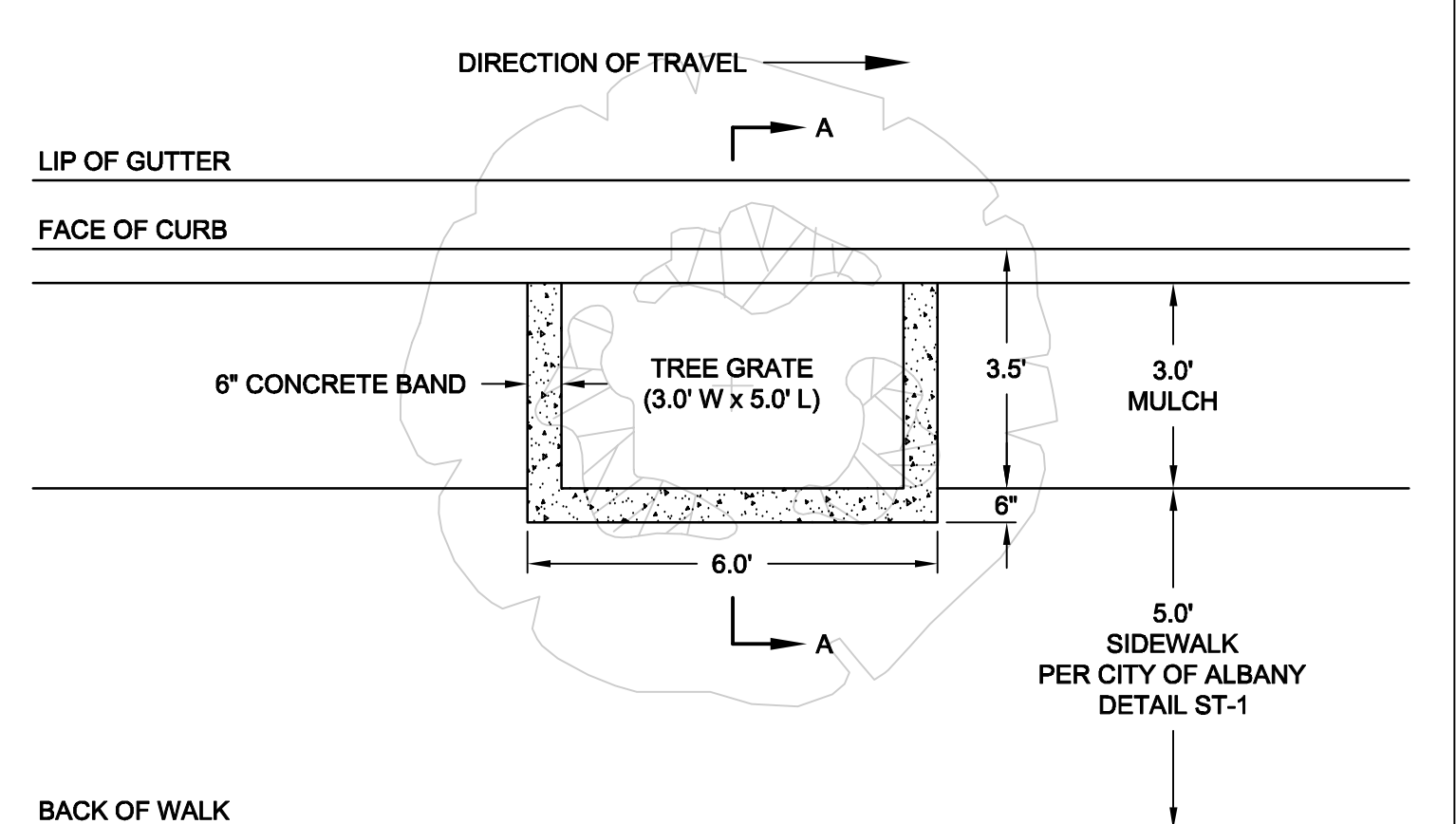
BIKE LANE BUFFER STRIPE
NOT TO SCALE **5**



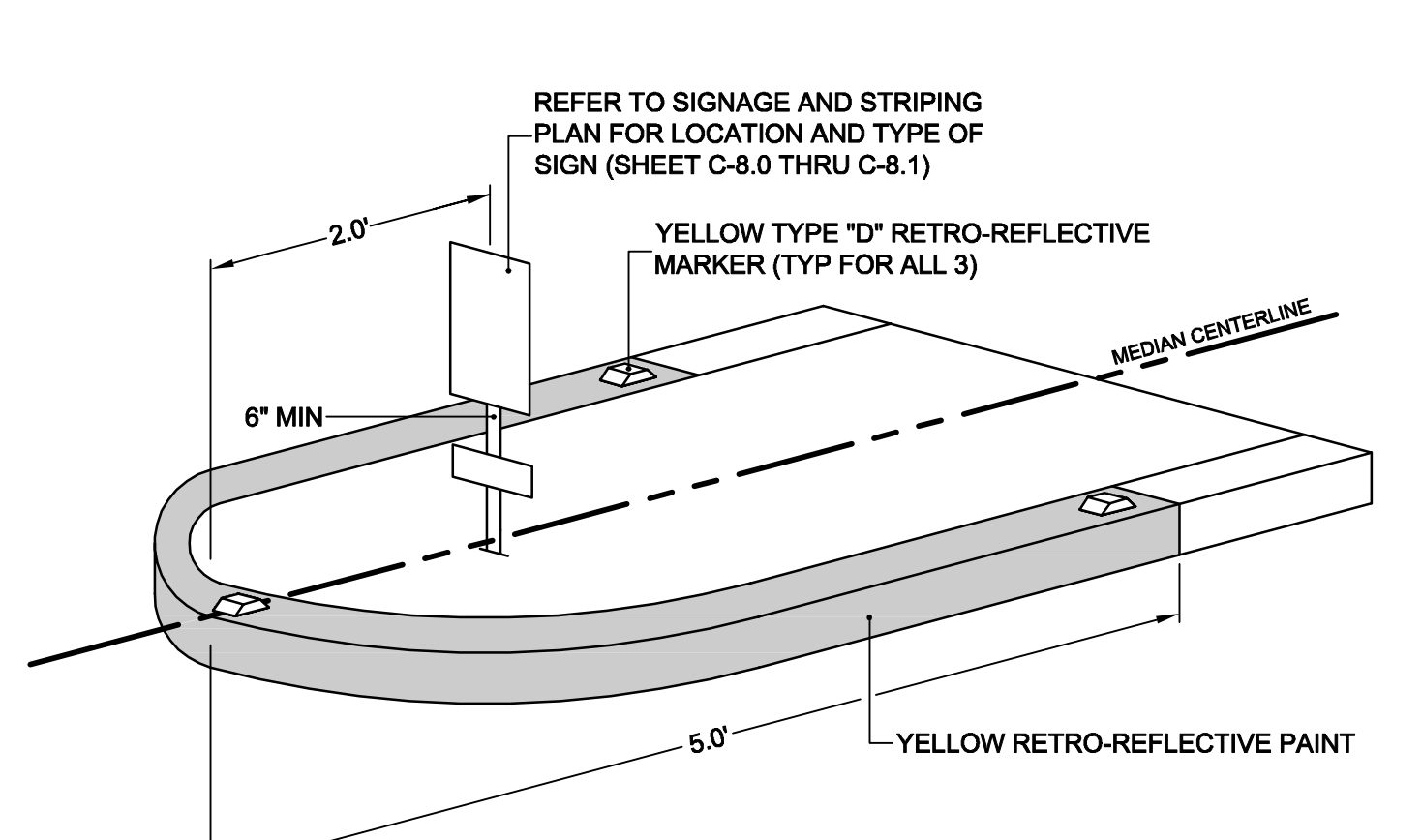
STORM DRAIN JUNCTION STRUCTURE
NOT TO SCALE **8**



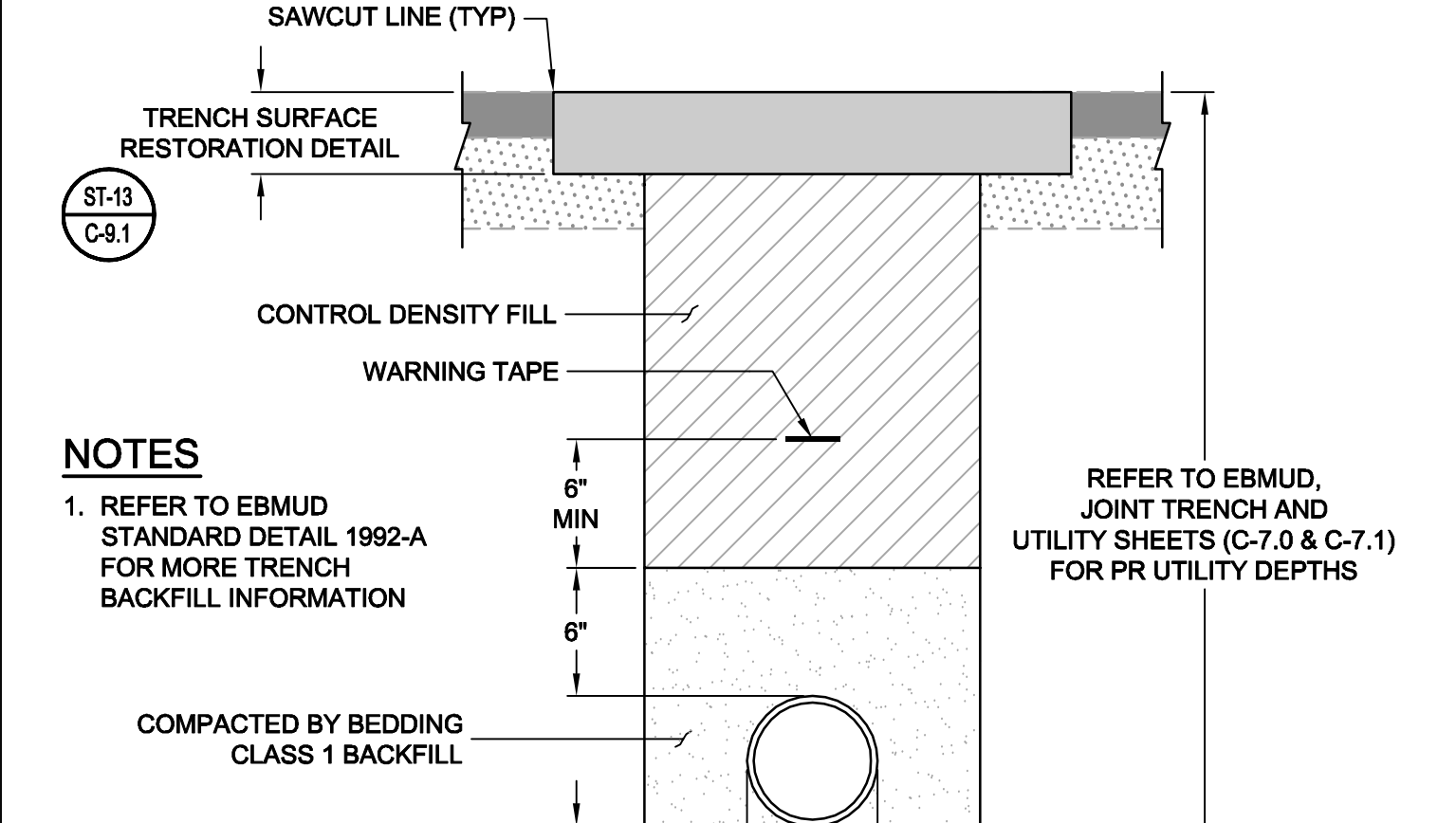
COMMERCIAL DRIVEWAY APPROACH
NOT TO SCALE **2**



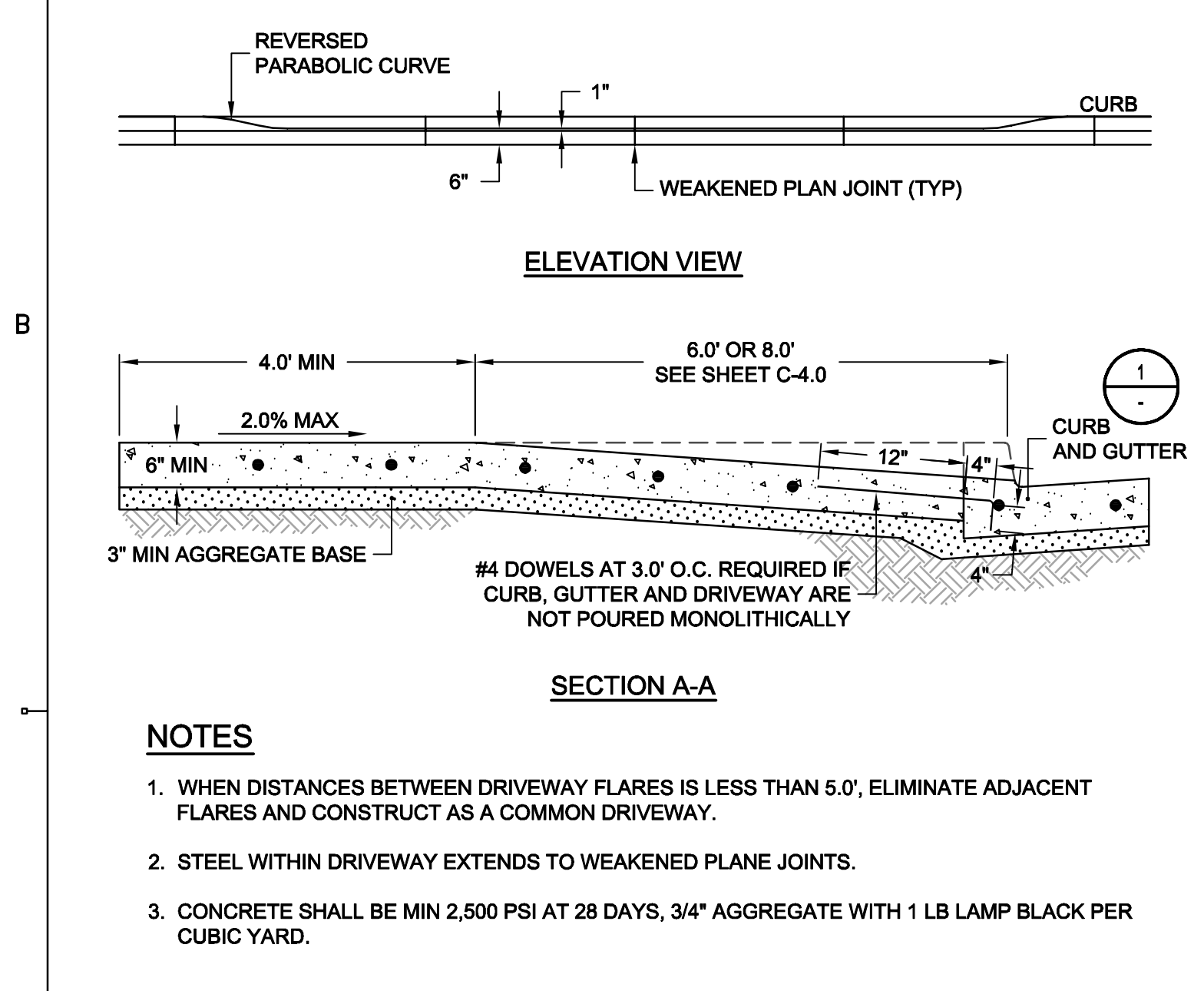
TREE GRATE FRAME INSTALLATION
NOT TO SCALE **4**



YELLOW REFLECTORS AT MEDIAN NOSE
NOT TO SCALE **6**



UTILITY TRENCH REPAIR
NOT TO SCALE **9**



PIPE CONNECTION INTO EXISTING STRUCTURE
NOT TO SCALE **7**

CAUTION:
HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF)
EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE
EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE
EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE
CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
DRAWN BY: J. YOUNG
CHECKED BY: J. WHITE
REVIEWED BY: R. STEVENS
DATE: JANUARY 20, 2017

REGISTRATION:
REGISTERED PROFESSIONAL ENGINEER
ROBERT C. STEVENS
No. C 058660
CIVIL
STATE OF CALIFORNIA

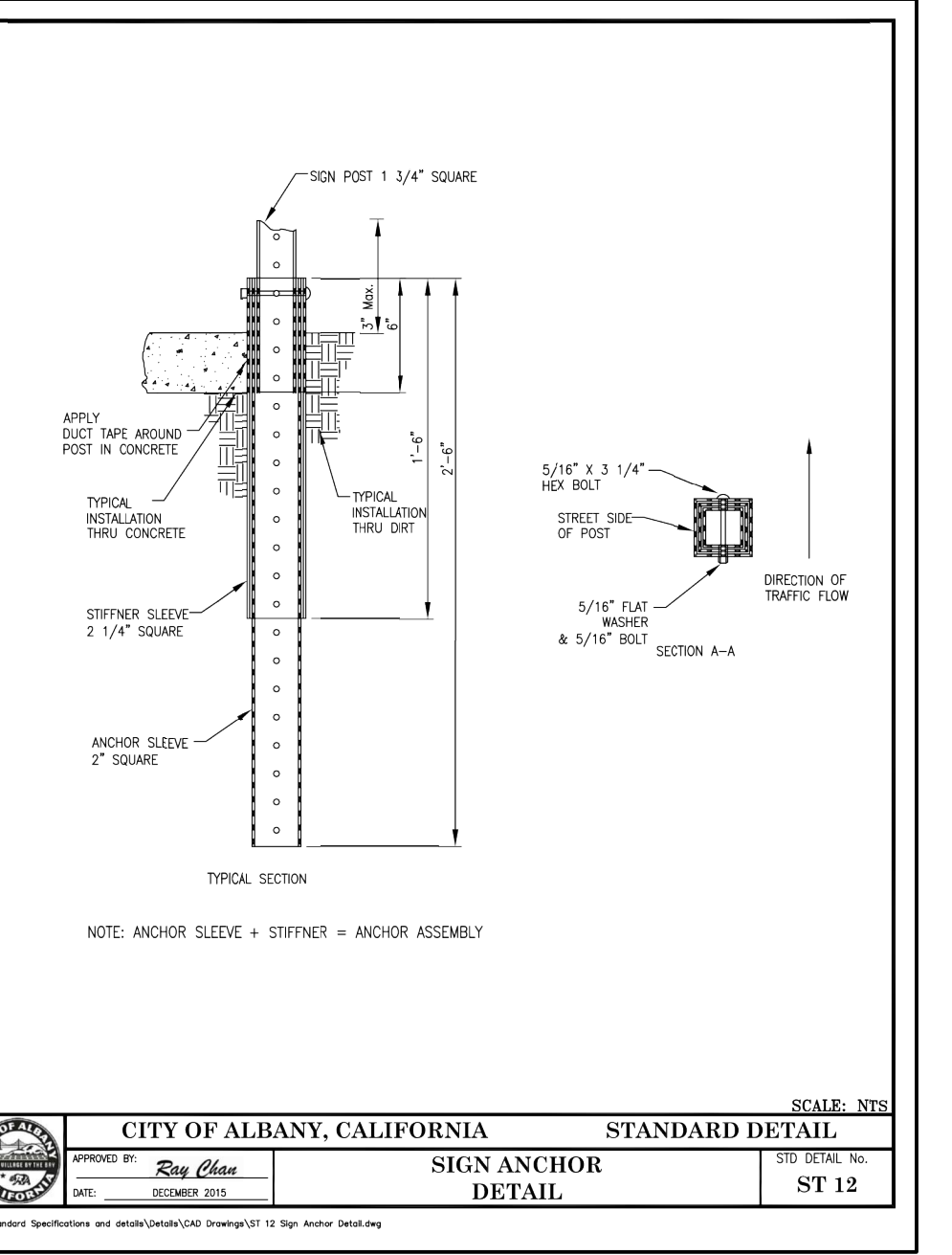
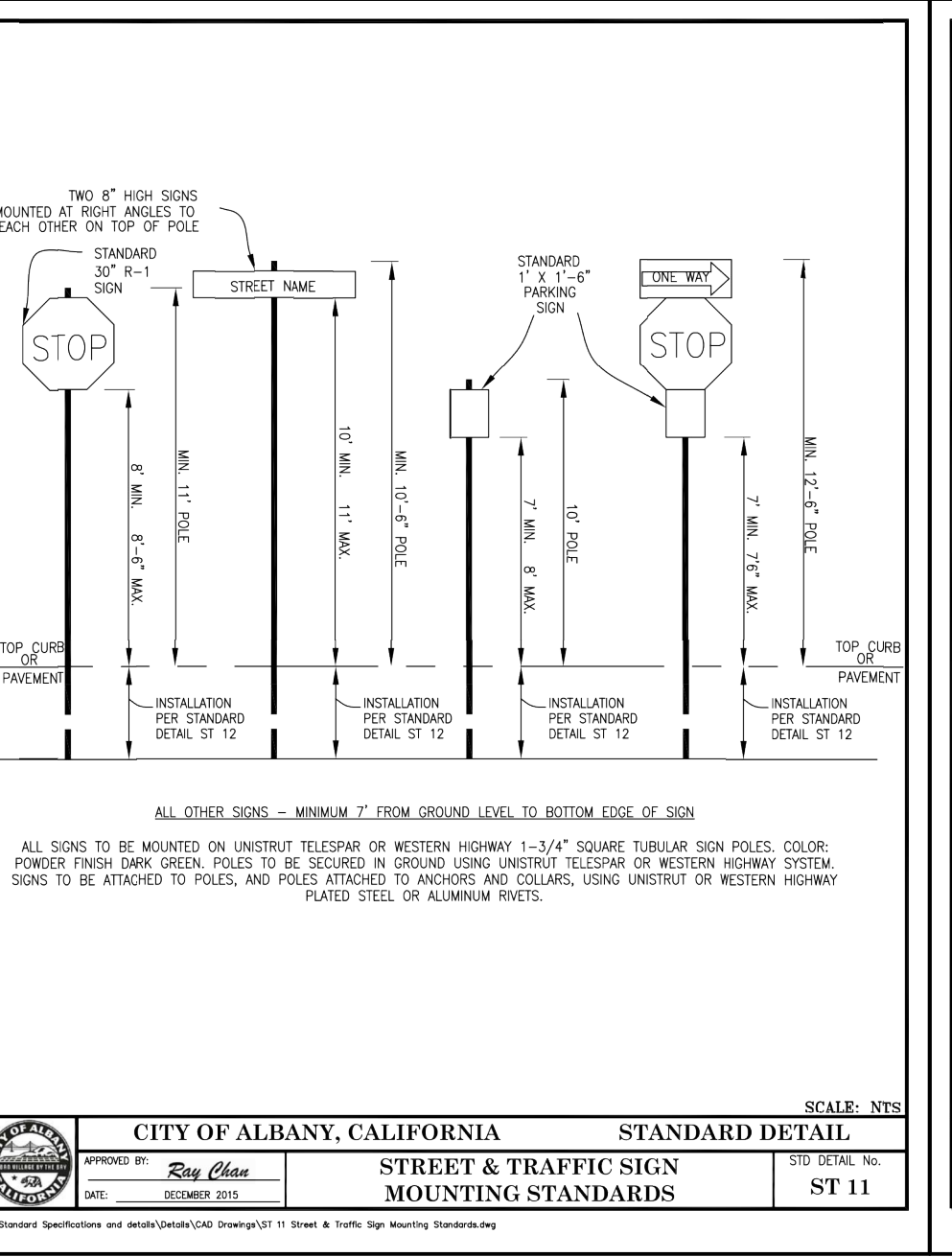
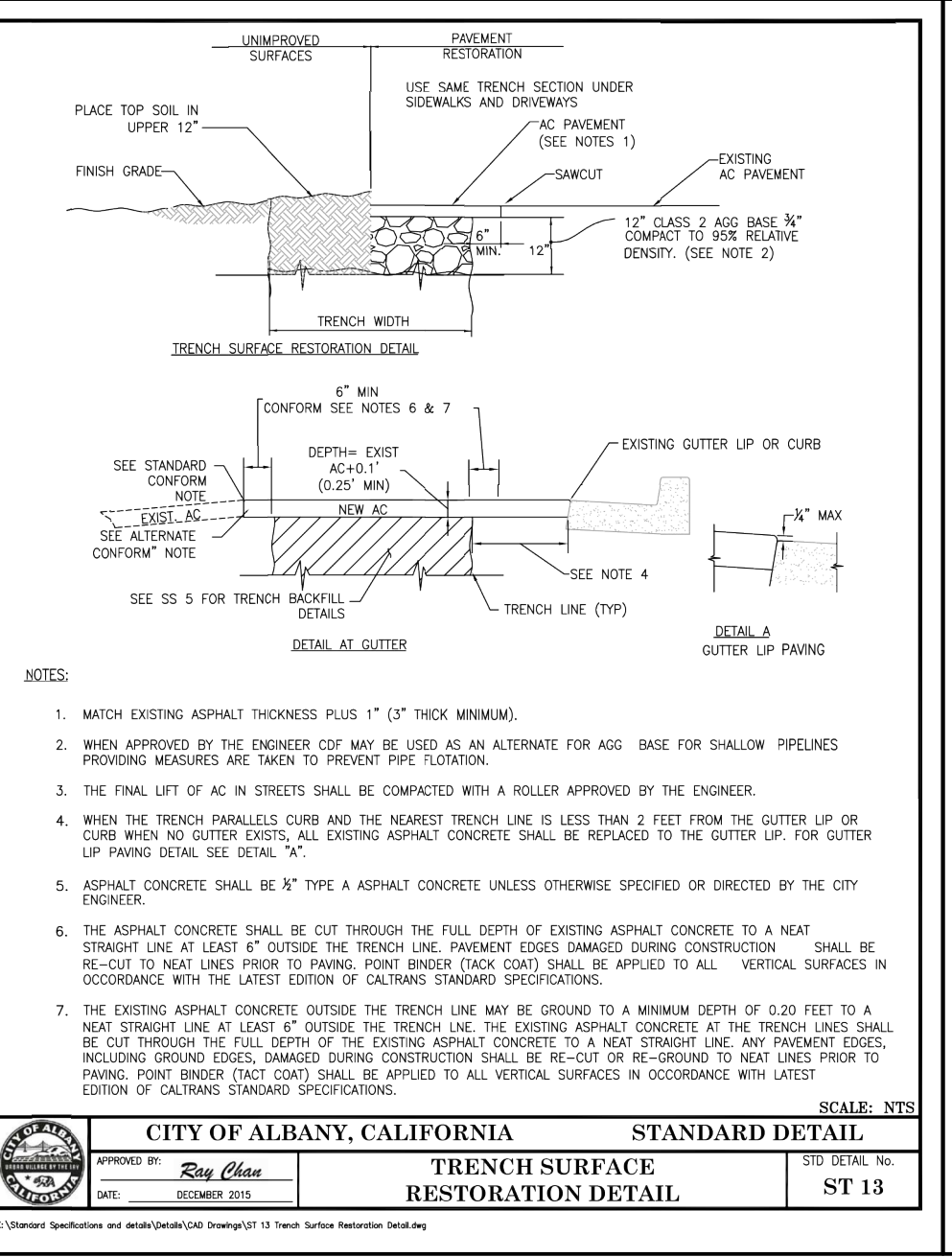
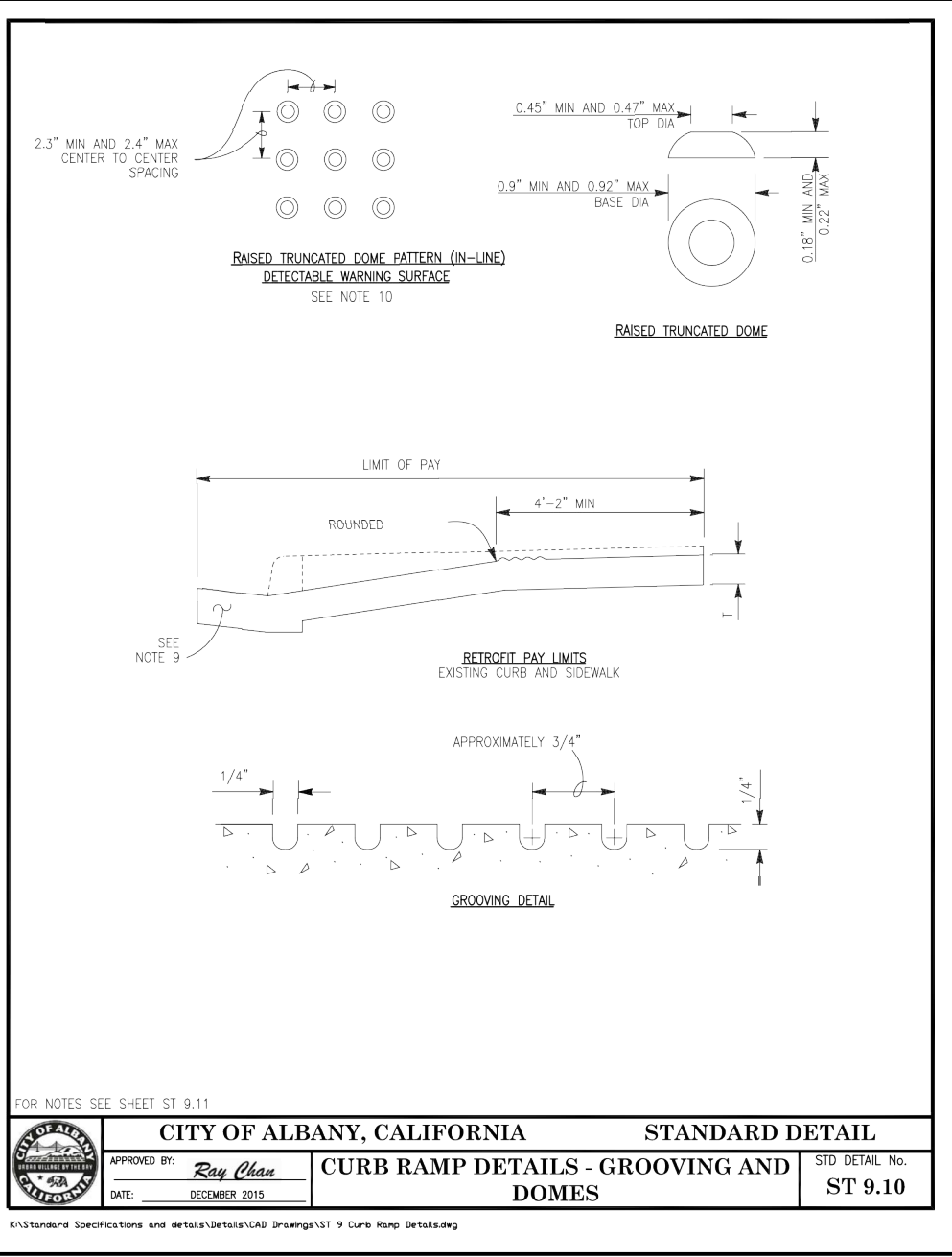
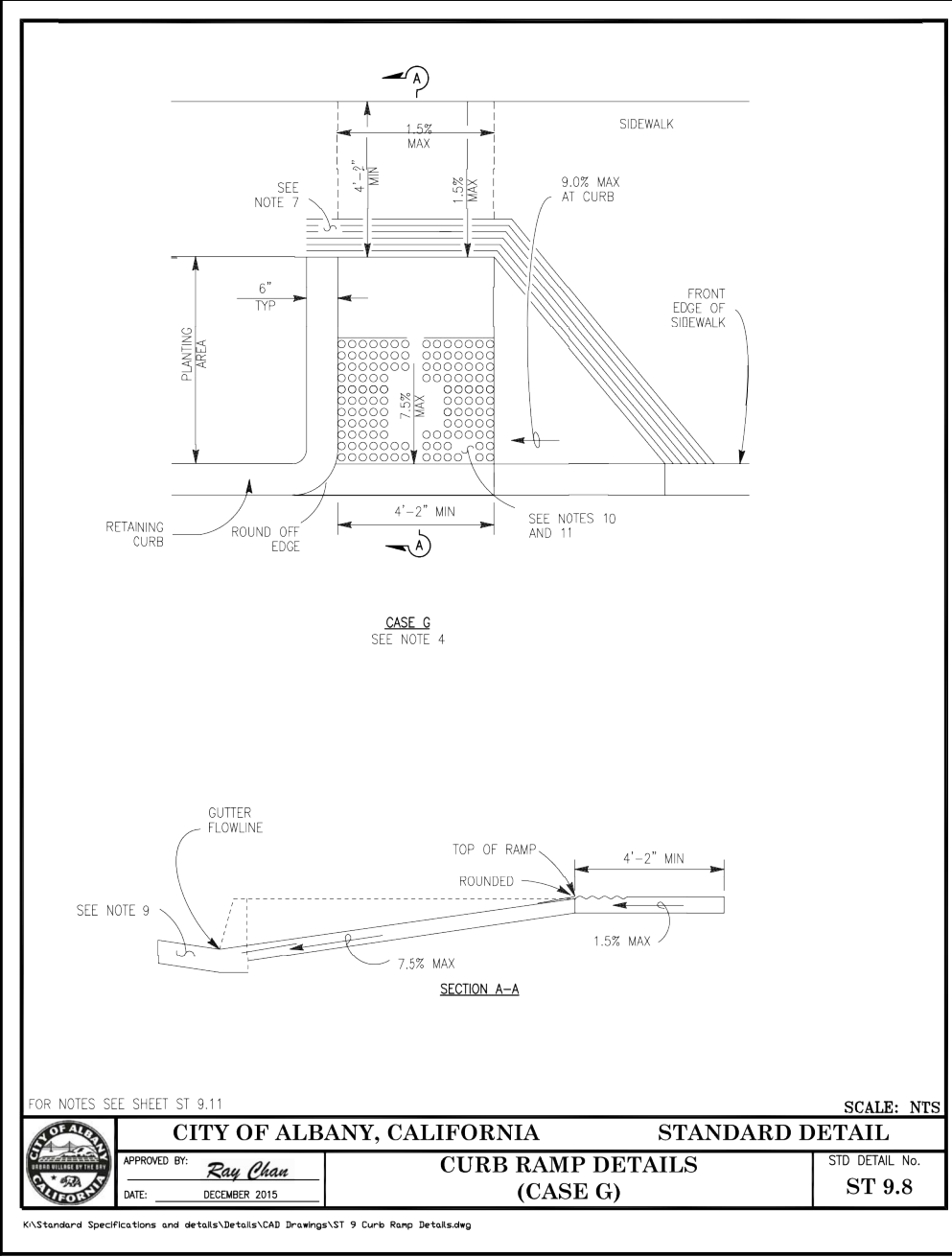
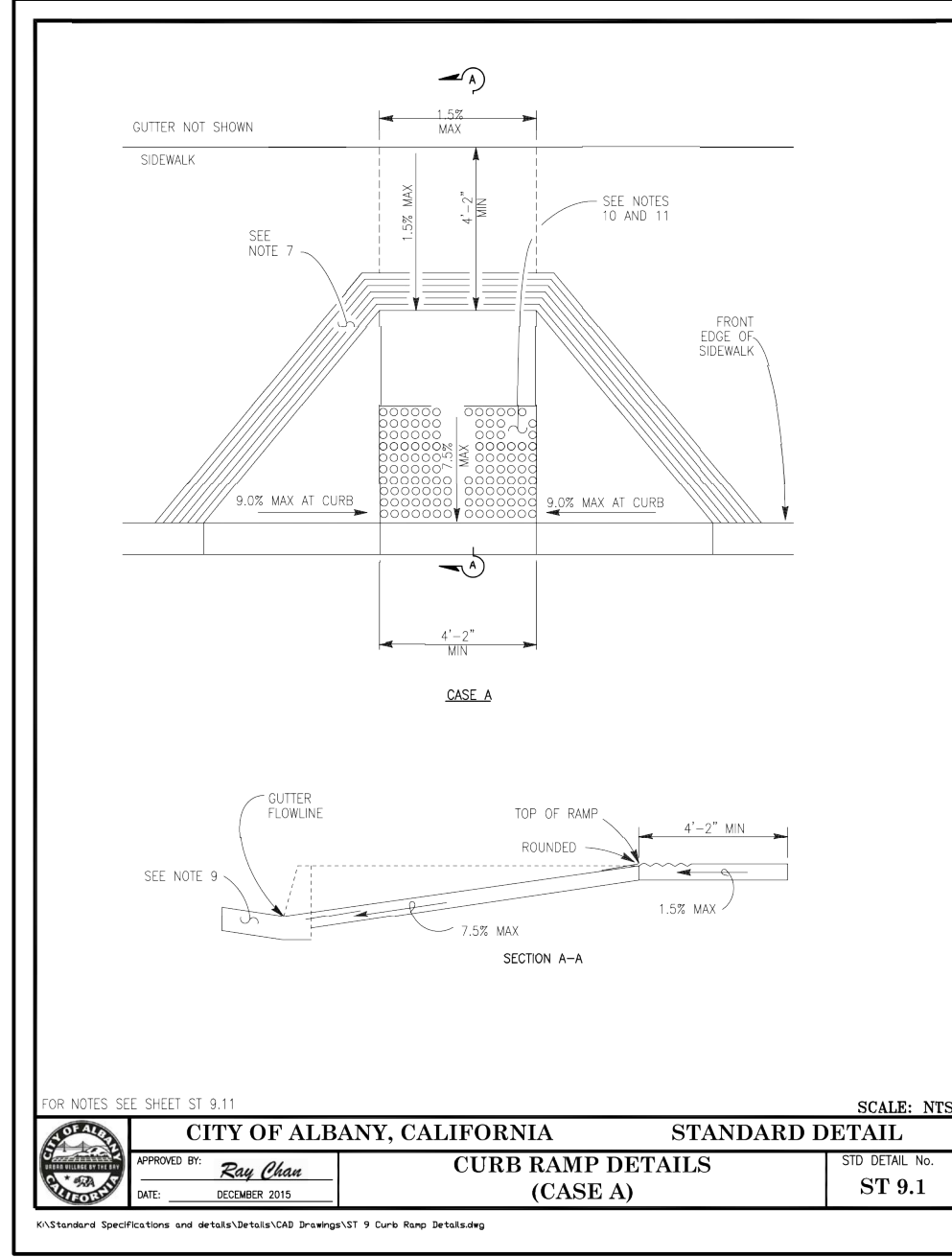
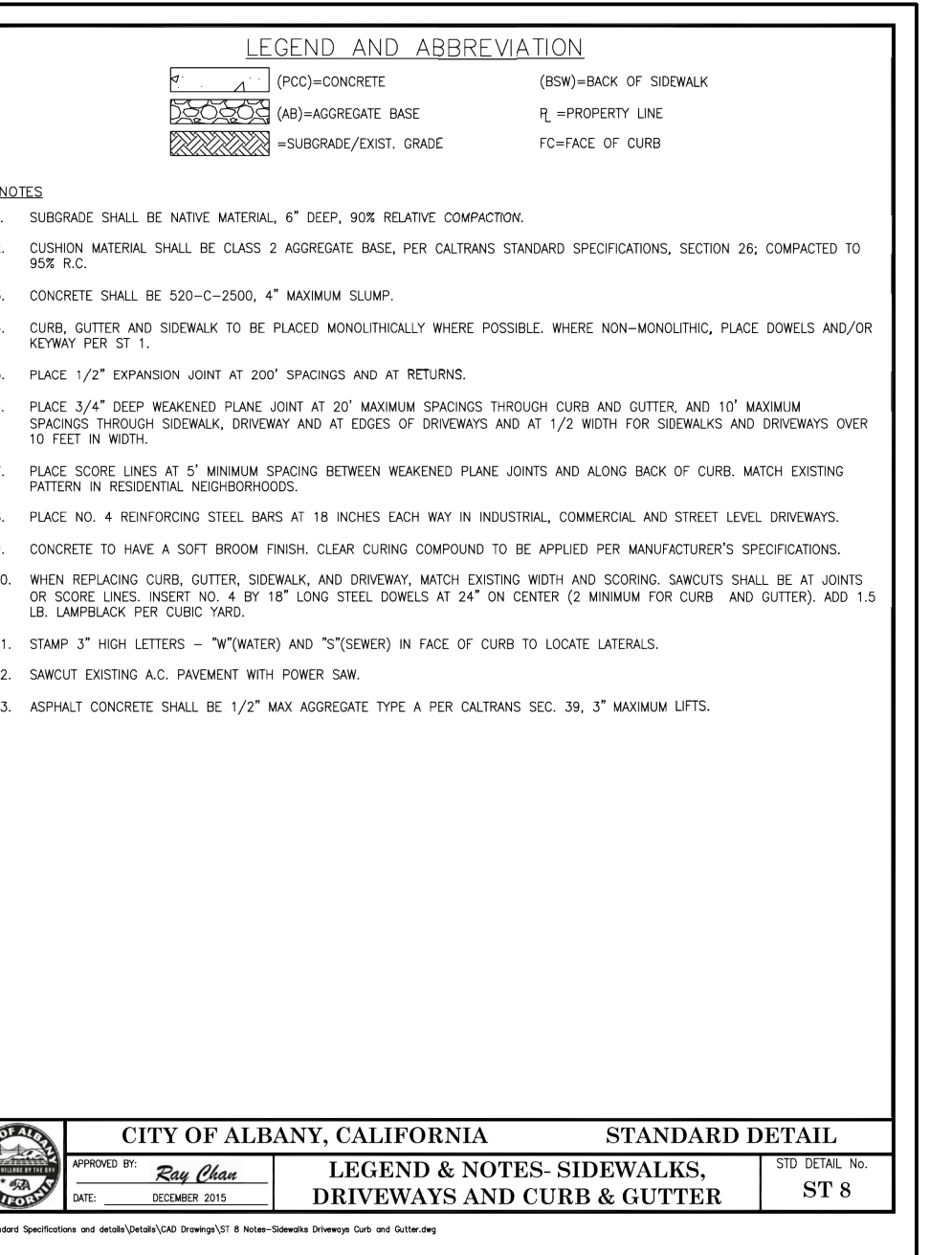
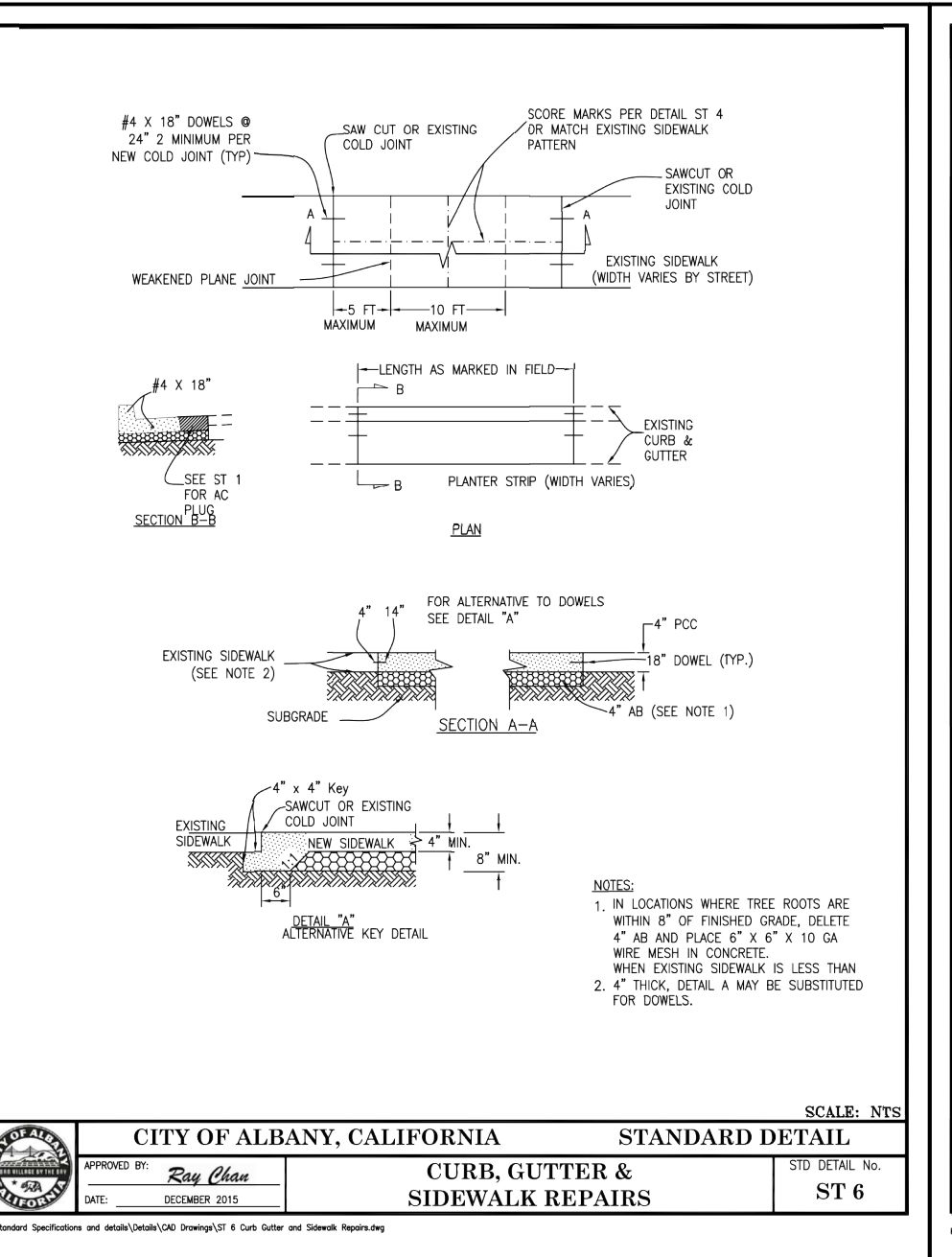
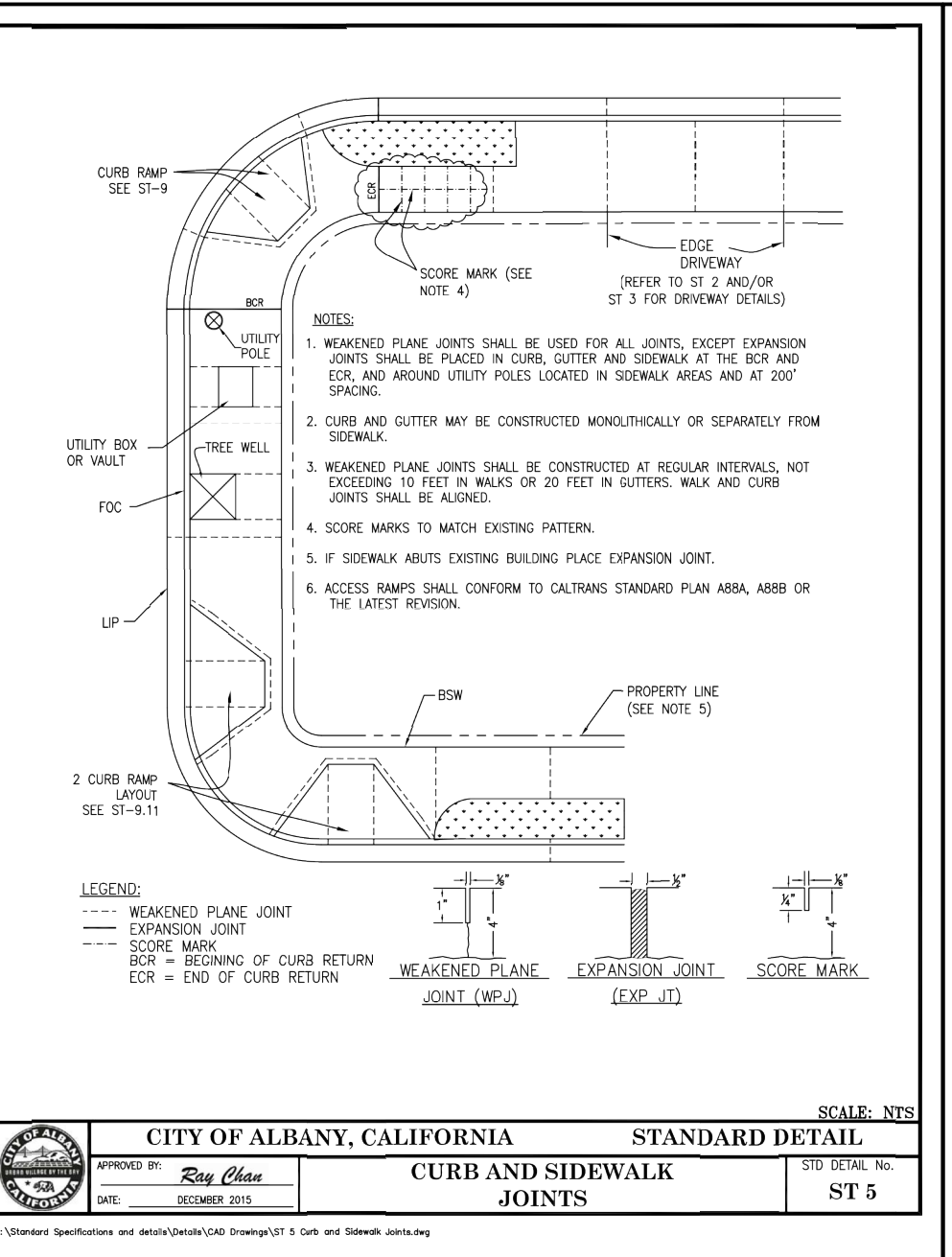
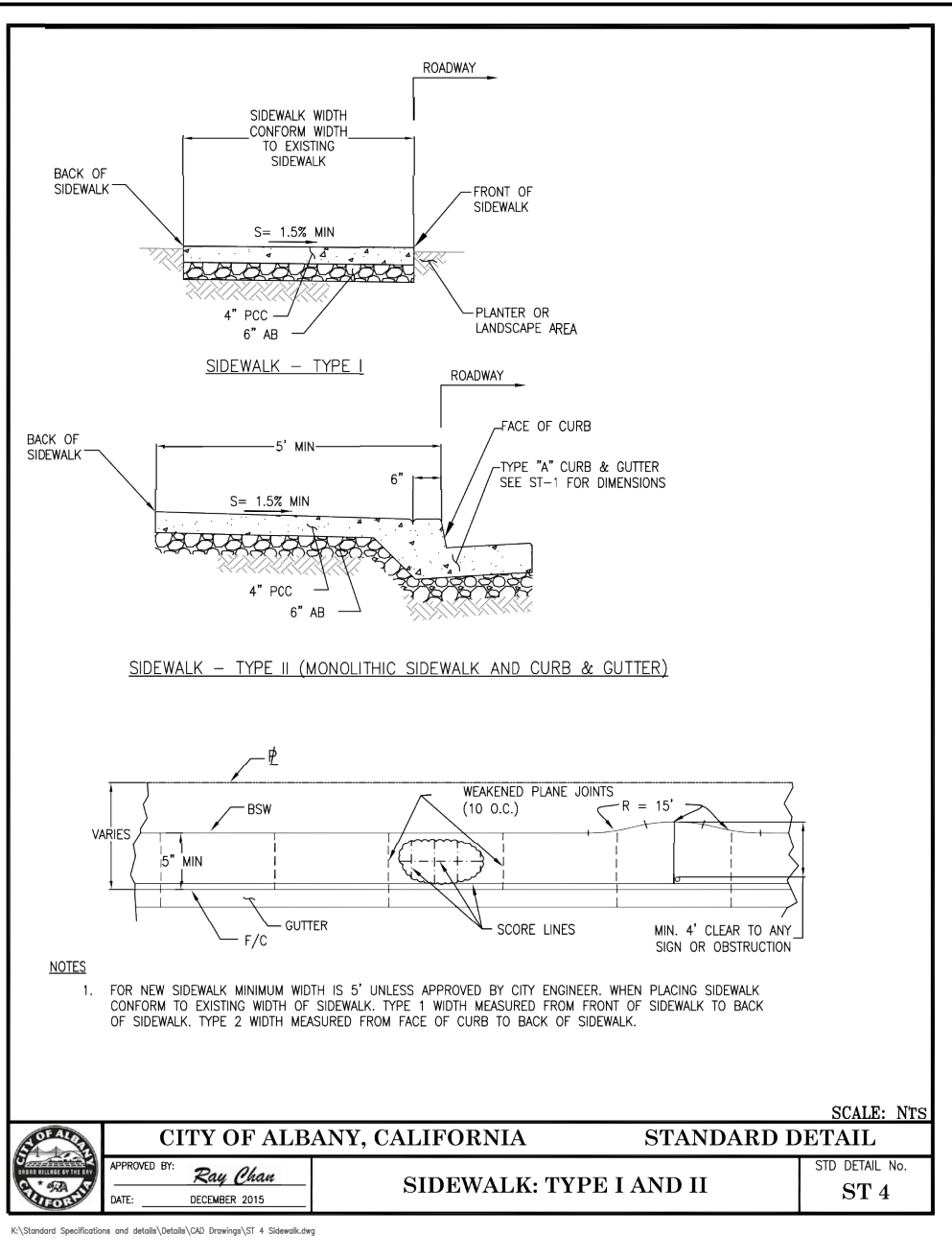
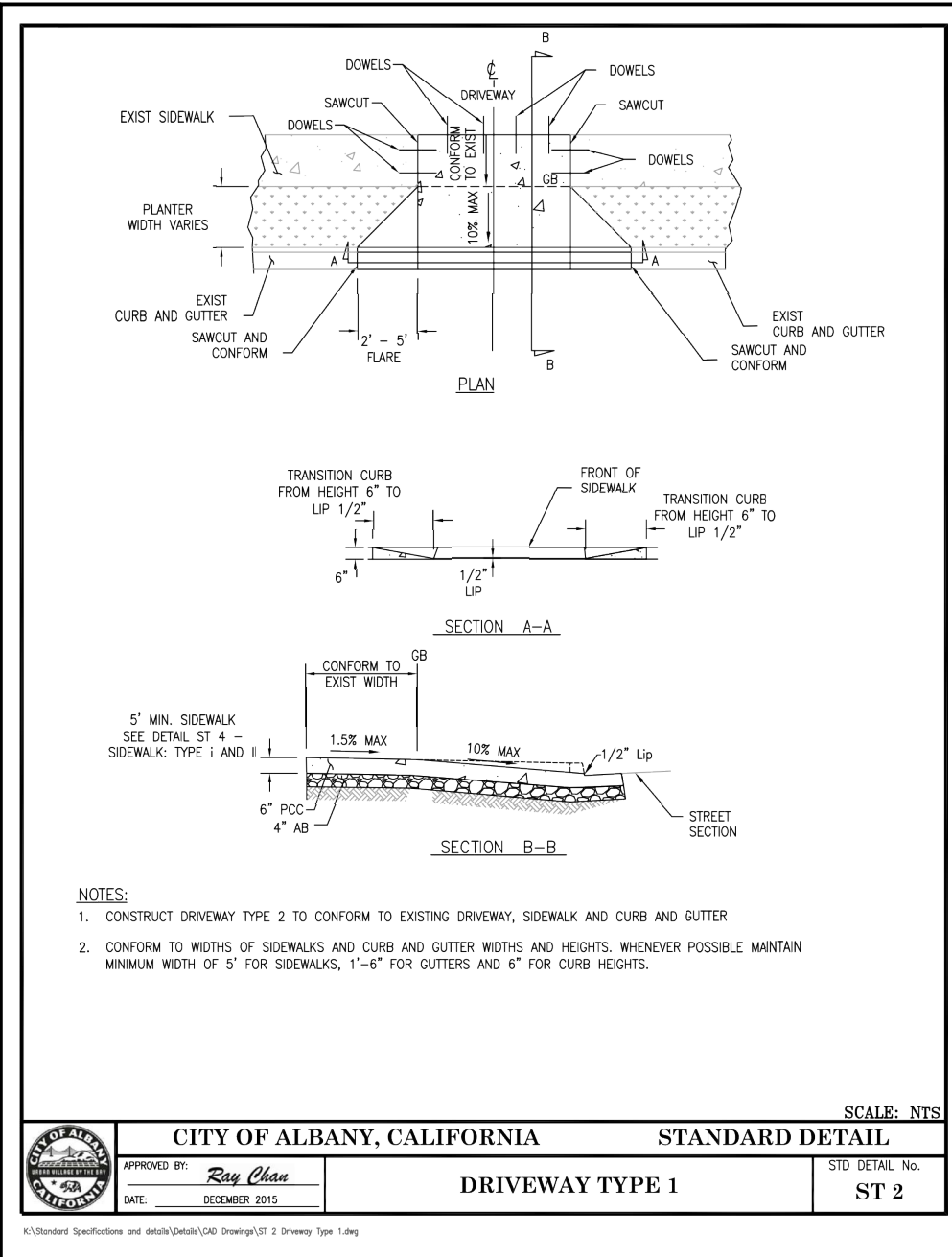
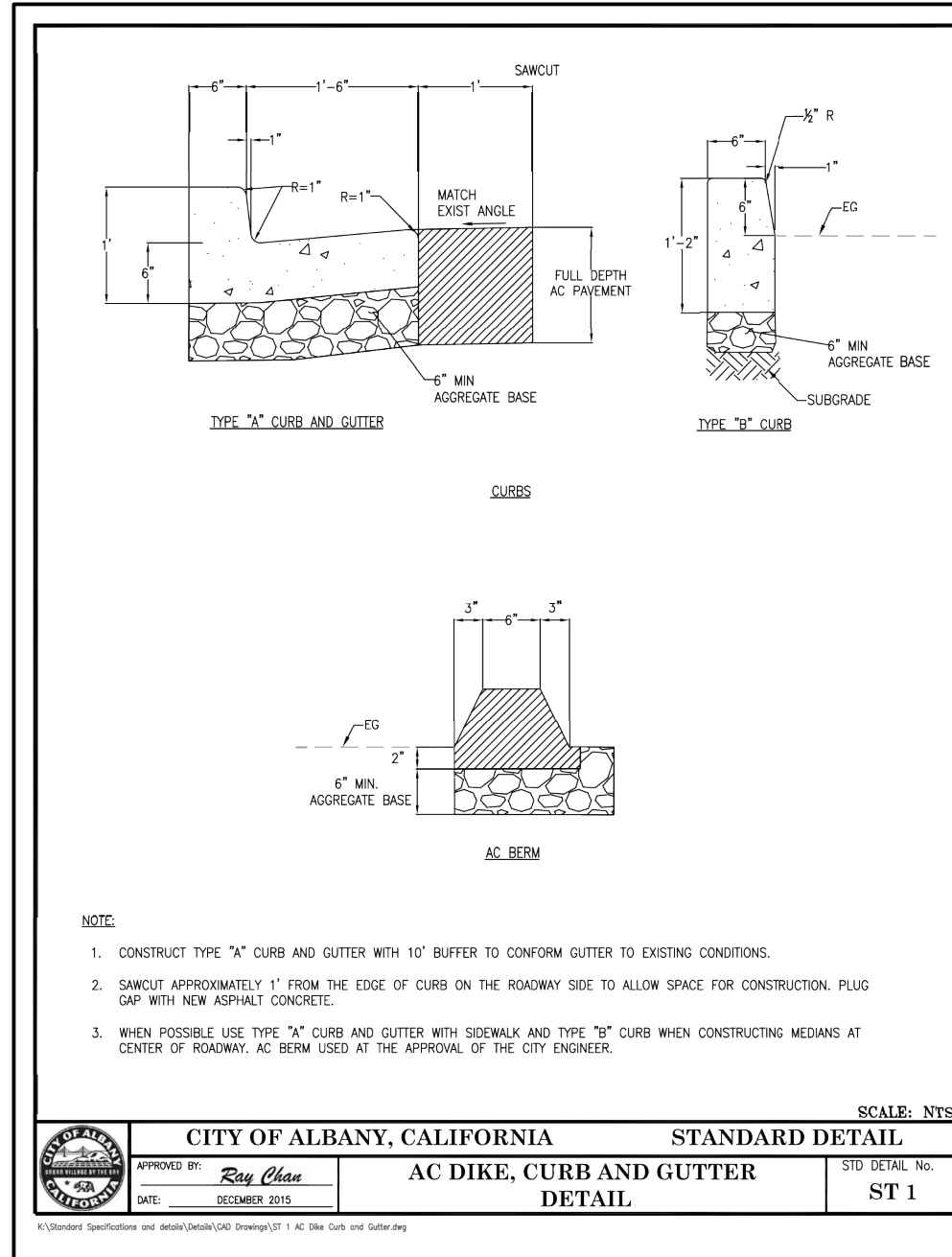
BKF
ENGINEERS / SURVEYORS / PLANNERS
322 HARBOUR WAY, STE 23
RICHMOND, CA 94801
PH: (510) 529-0336
FAX: (510) 529-0336

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
MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

CONSTRUCTION DETAILS
SHEET: C-9.0
DWG No. (CIVIL SHEETS ONLY) 20 OF 22

CONSTRUCTION BID SUBMITTAL (01/20/2017)



CAUTION:
 HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF) EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME CAUTION WHEN WORKING IN VICINITY OF GAS LINE

REV	DATE	DESCRIPTION

DESIGNED BY: J. YOUNG
 DRAWN BY: J. YOUNG
 CHECKED BY: J. WHITE
 REVIEWED BY: R. STEVENS
 DATE: JANUARY 20, 2017

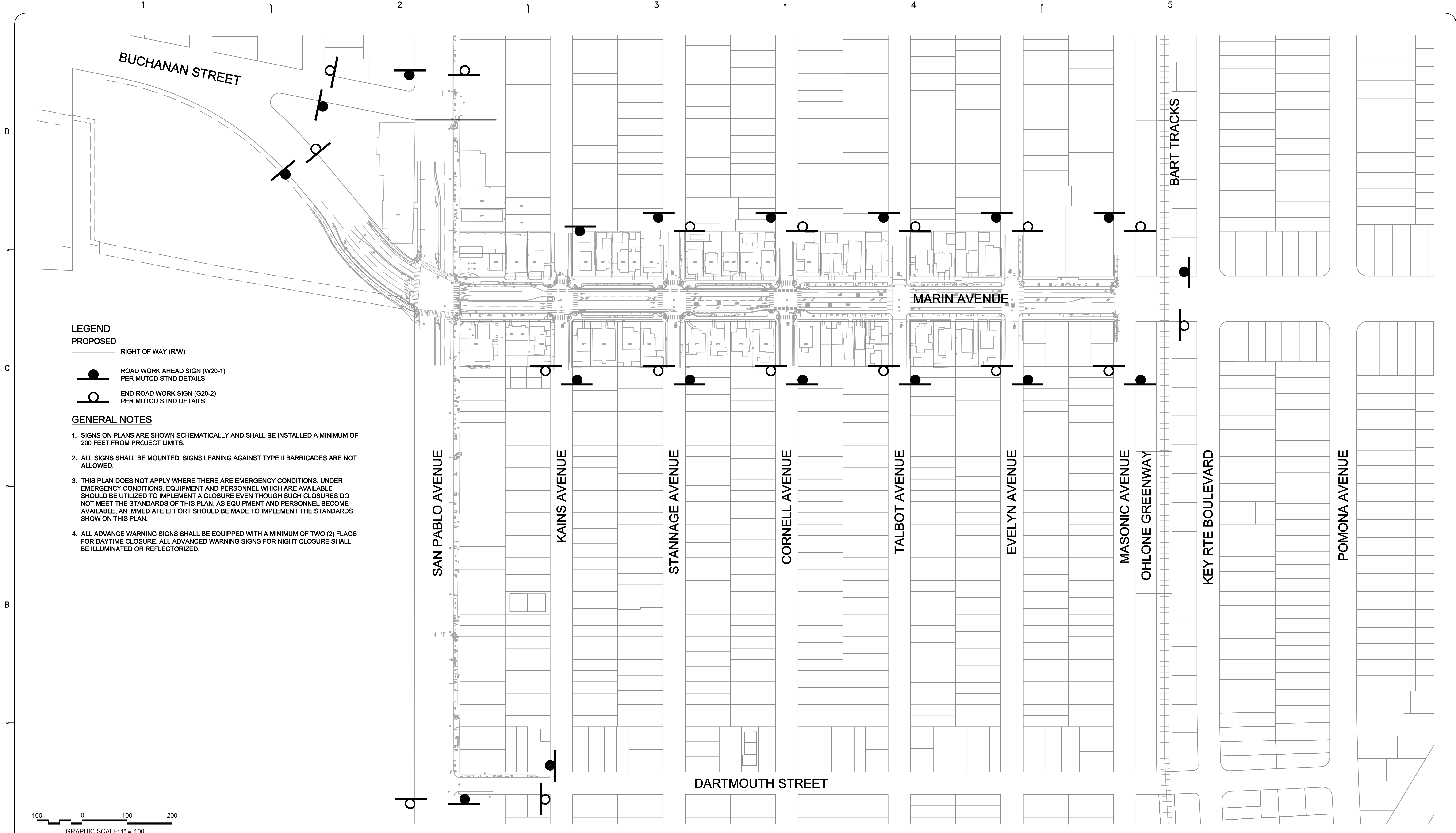
REGISTRATION:

 322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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
 MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

CONSTRUCTION DETAILS
 CITY STANDARD PLANS
 SHEET: C-9.1
 DWG No. (CIVIL SHEETS ONLY) 21 OF 22



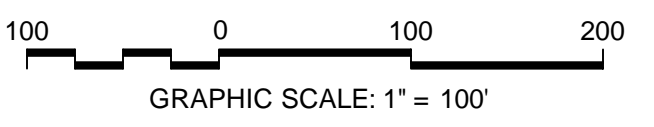
LEGEND

PROPOSED

- RIGHT OF WAY (RW)
- ROAD WORK AHEAD SIGN (W20-1)
PER MUTCD STND DETAILS
- END ROAD WORK SIGN (G20-2)
PER MUTCD STND DETAILS

GENERAL NOTES

1. SIGNS ON PLANS ARE SHOWN SCHEMATICALLY AND SHALL BE INSTALLED A MINIMUM OF 200 FEET FROM PROJECT LIMITS.
2. ALL SIGNS SHALL BE MOUNTED. SIGNS LEANING AGAINST TYPE II BARRICADES ARE NOT ALLOWED.
3. THIS PLAN DOES NOT APPLY WHERE THERE ARE EMERGENCY CONDITIONS. UNDER EMERGENCY CONDITIONS, EQUIPMENT AND PERSONNEL WHICH ARE AVAILABLE SHOULD BE UTILIZED TO IMPLEMENT A CLOSURE EVEN THOUGH SUCH CLOSURES DO NOT MEET THE STANDARDS OF THIS PLAN. AS EQUIPMENT AND PERSONNEL BECOME AVAILABLE, AN IMMEDIATE EFFORT SHOULD BE MADE TO IMPLEMENT THE STANDARDS SHOW ON THIS PLAN.
4. ALL ADVANCE WARNING SIGNS SHALL BE EQUIPPED WITH A MINIMUM OF TWO (2) FLAGS FOR DAYTIME CLOSURE. ALL ADVANCED WARNING SIGNS FOR NIGHT CLOSURE SHALL BE ILLUMINATED OR REFLECTORIZED.



CAUTION: HIGH PRESSURE GAS LINES WITH IN PROJECT LIMITS (HPF) EXISTING 8" HPF PARALLEL WITH MARIN AVENUE ALONG NORTH SIDE EXISTING 12" HPF ALONG CENTER LINE OF KAINS AVENUE EXISTING 20" HPF ALONG EAST SIDE OF CORNELL AVENUE CONTRACTOR TO LOCATE LINE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS. EXERCISE EXTREME <u>CAUTION</u> WHEN WORKING IN VICINITY OF GAS LINE		
REV	DATE	DESCRIPTION
1	01.31.17	ADDENDUM 1

DESIGNED BY: J. YOUNG
 DRAWN BY: J. YOUNG
 CHECKED BY: J. WHITE
 REVIEWED BY: R. STEVENS
 DATE: JANUARY 31, 2017

REGISTRATION:

322 HARBOUR WAY, STE 23
 RICHMOND, CA 94801
 PH: (510) 529-0336
 FAX: (510) 529-0336

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

MARIN UTILITY UNDERGROUNDING, RECYCLED WATER PIPELINE, AND THE BUCHANAN MARIN BIKEWAY PHASE III PROJECT

CONSTRUCTION AREA SIGN LAYOUT

SHEET: **C-10.0** DWG No. (CIVIL SHEETS ONLY) 22 OF 22