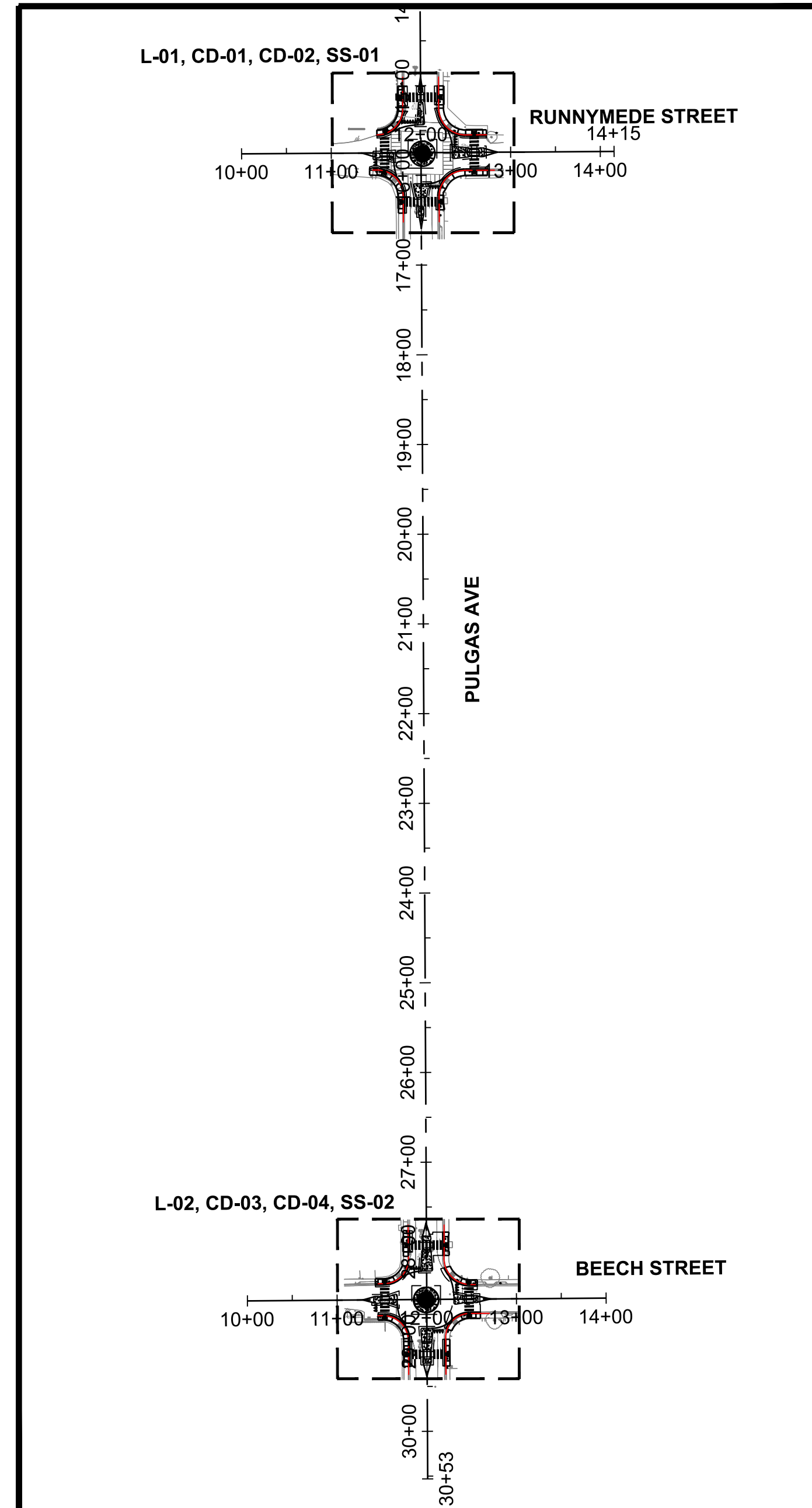


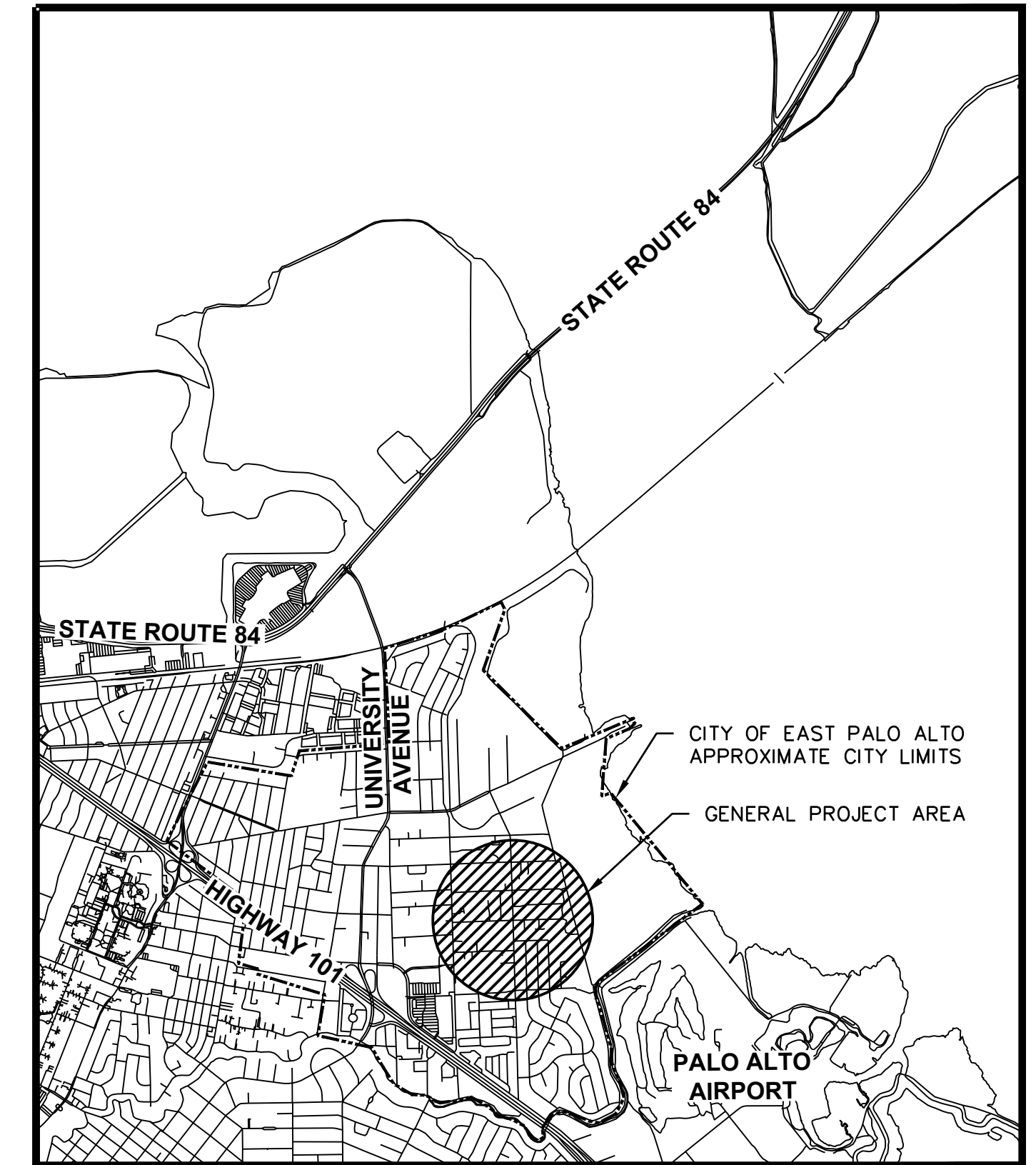
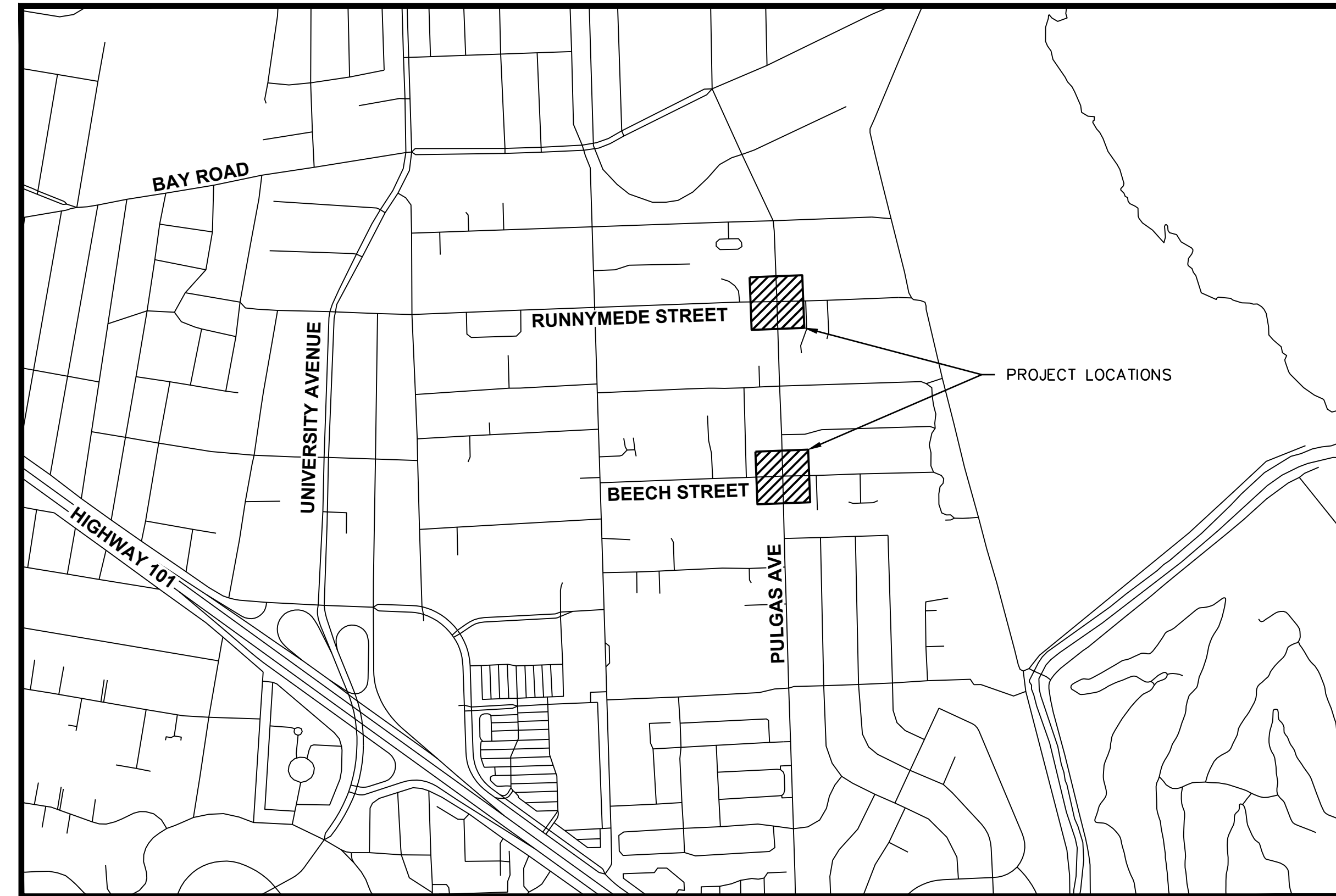
PLANS FOR THE CONSTRUCTION OF PULGAS AVENUE MINI ROUNDABOUTS

CITY PROJECT NO.: 0000000

KEY MAP
SCALE 1"=125'



LOCATION MAP
NOT TO SCALE



INDEX OF SHEETS

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PROJECT NO:	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
304.0002023.145					
DESIGNED BY:	EK				
DRAWN BY:	EK				
REVIEWED BY:	SS				
DATE:	9.27.2024				
SCALE:	#####				



EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



SHEET TITLE	EAST PALO ALTO, CA	SHEET NO.
COVER SHEET		CV-01
		SHEET 1 OF 14

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GENERAL NOTES:

- THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICES ALERT (USA) AT (800) 227-2600 AT LEAST 2 WORKING DAYS BEFORE EXCAVATING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE, COUNTY, AND CITY LAWS AND ORDINANCES, REGULATIONS OF THE DEPARTMENT OF INDUSTRIAL RELATIONS, STATE CONSTRUCTION SAFETY ORDERS, AND CAL/OSHA. THIS REQUIREMENT SHALL BE MADE TO APPLY AT ALL TIMES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CALTRANS STANDARD DETAILS AND SPECIFICATIONS, CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) AND THE CITY'S LATEST STANDARDS, UNLESS OTHERWISE APPROVED BY THE CITY.
- ALL TRAFFIC STRIPING SHALL BE THERMOPLASTIC, AND ALL PAVEMENT MARKINGS SHALL BE WHITE THERMOPLASTIC, UNLESS NOTED OTHERWISE.
- ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, LEGENDS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED EVEN IF NOT SHOWN ON PLANS. REMOVAL OF THERMOPLASTIC STRIPING, PAVEMENT MARKINGS AND LEGENDS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NOT PERMITTED. ALL DAMAGED PAVEMENT DUE TO REMOVALS SHALL BE PREPARED AS NECESSARY TO MAINTAIN A SMOOTH AND UNIFORM SURFACE OR AS DIRECTED BY THE ENGINEER. ALL STRIPING REMOVALS AND LEGENDS SHALL BE " FOG SEALED".
- EXISTING SIGNS AND POSTS THROUGHOUT THE PROJECT AREA SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL RESTORE ALL DAMAGED, REMOVED, OR OTHERWISE DISTURBED WALLS, FENCES, SERVICES, UTILITIES, LANDSCAPE AREAS, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE, DUE TO CONTRACTOR'S WORK.
- THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE INSTALLATION OF FACILITIES BY PG&E, PACIFIC BELL, CABLE TV INSTALLATION, AND OTHER RELATED UTILITY COMPANIES. VALVE BOXES AND MANHOLES, AND STRUCTURES TO BE SET TO GRADE IN CONCRETE AFTER PAVING.
- ALL STREET MONUMENTS AND OTHER PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY ENGINEER.
- PEDESTRIAN, PUBLIC ACCESSES, AND WHEELCHAIR ACCESSES SHALL BE MAINTAINED DURING THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.
- NO TRENCHES OR HOLES SHALL BE LEFT OPEN OVERNIGHT; USE STEEL PLATING OR HOT MIX ASPHALT AS REQUIRED TO PROTECT OPEN TRENCHES OVERNIGHT.
- THE CONTRACTOR SHALL CONTROL DUST AT ALL TIMES AND SWEEP STREETS AS OFTEN AS NECESSARY DURING CONSTRUCTION AS REQUIRED BY THE CITY ENGINEER.
- ALL REVISIONS TO THE PLAN MUST BE REVIEWED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS STAMPED AND SIGNED BY THE CITY ENGINEER PRIOR TO THE INSTALLATION OF THE IMPROVEMENTS.
- ALL CONSTRUCTION STAKING FOR CURB, GUTTER, SIDEWALK, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANTS, ELECTROLIERS, ETC. SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS INGRESS AND EGRESS TO ALL PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL NOTIFY ALL TRANSIT AGENCIES, TRASH COLLECTION AGENCY, AND EMERGENCY SERVICES OF THE CONSTRUCTION SCHEDULE TO ALLOW COORDINATION. SAMTRANS SHALL BE NOTIFIED AT LEAST 2 WEEKS PRIOR TO THE START OF WORK AT LOCATIONS THAT INCLUDE EXISTING OR PROPOSED BUS STOP LOCATIONS.
- CONTRACTOR TO INSTALL A CONSTRUCTION INFORMATION SIGN PER THE PROJECT SPECIAL PROVISIONS AT THE BEGINNING BLOCK AND THE END BLOCK OF THE SITE.
- TRAFFIC CONTROL SHALL BE PER CITY-APPROVED TRAFFIC CONTROL PLAN. SHORT TERM AND/OR LONG TERM TRAFFIC CONTROL PLANS ARE REQUIRED TO BE SUBMITTED AND APPROVED BY THE ENGINEERING DIVISION PRIOR TO THE START OF ANY WORK IMPACTING THE PUBLIC RIGHT-OF-WAY. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED AT THE SAME TIME AS THE ENCROACHMENT PERMIT APPLICATION. TRAFFIC CONTROL PLANS MUST BE PREPARED AND STAMPED BY PERSON TRAINED/CERTIFIED TO PREPARE TRAFFIC CONTROL PLANS AND TO COMPLY WITH THE LATEST VERSION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD).
- CONTRACTOR SHALL PREPARE AND SUBMIT A STORMWATER POLLUTANT PREVENTION PLAN (SWPPP) PER THE SAN MATEO COUNTY BEST MANAGEMENT PRACTICES HANDBOOK FOR APPLICABLE STORMWATER RUNOFF CONTROL MEASURES AND EMPLOY ITS PROVISIONS THROUGHOUT ALL CONSTRUCTION.
- CONTRACTOR SHALL KEEP UP-TO-DATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF

CONSTRUCTION INCLUDING EXACT LOCATION, SIZES, MATERIALS AND EQUIPMENT. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS (AS-BUILTS) SHALL BE SUBMITTED TO THE CITY PUBLIC WORKS INSPECTOR PRIOR TO FINAL ACCEPTANCE FOR REVIEW AND APPROVAL BY THE CITY.

- IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY AFFECTED RESIDENTS AND BUSINESSES IN WRITING 48 HOURS PRIOR TO THE START OF A WATER MAIN SHUTDOWN. A WATER MAIN SHUTDOWN WILL BE DONE BY CITY CREWS ONLY.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND SERVICE LATERALS FROM DAMAGE DUE TO CONTRACTOR'S OPERATIONS. ANY AND ALL UTILITY SERVICE LATERALS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY PUBLIC WORKS INSPECTOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND/OR UNCOVER AND EXPOSE EXISTING UTILITIES AT CROSSING LOCATIONS. BACKFILL, COMPACTION, AND PAVEMENT REPAIR OF POTHOLED LOCATIONS SHALL BE DONE TO THE SATISFACTION OF THE CITY PUBLIC WORKS INSPECTOR.
- VEHICLE AND PEDESTRIAN ACCESS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS MUST BE PROVIDED AT ALL TIMES TO ALL ABUTTING PROPERTIES, EXCEPT AS APPROVED BY THE CITY PUBLIC WORKS INSPECTOR. 48 HOURS WRITTEN NOTICE MUST BE GIVEN TO THE AFFECTED PROPERTY OWNER(S) WHEN ACCESS IS AFFECTED.
- ALL PAVING - TEMPORARY OR PERMANENT - MUST BE INSTALLED IN A MANNER THAT PROVIDES AN ACCEPTABLE SAFE PASSAGEWAY FOR TRAFFIC AND PEDESTRIANS (INCLUDING ADA). ASPHALT CONCRETE SHALL CONFORM TO STATE STANDARD SPECIFICATIONS. ASPHALT CONCRETE SHALL NOT BE PLACED WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 10°C (50°F) AND FALLING OR DURING UNSUITABLE WEATHER, AS DETERMINED BY THE INSPECTOR.
- CONTRACTOR SHALL HOT-APPLY CRACK SEAL EMULSION TO ALL CRACKS IN PAVEMENT PRIOR TO ANY SLURRY SEAL APPLICATION.
- STEEL PLATES MAY BE USED PER CITY PUBLIC WORKS INSPECTOR'S APPROVAL WHEN IN COMPLIANCE WITH CALTRANS SPECIFICATION TR-0157, WHICH ADDRESSES REQUIRED PLATE THICKNESSES, EDGING DESIGN, PLACEMENT, AND ANTI-SKID SURFACING.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REPAIRS TO TRENCHES AND PAVEMENT FOR A ONE-YEAR WARRANTY PERIOD AFTER ACCEPTANCE OF THE WORK BY THE CITY. ONE YEAR AFTER ACCEPTANCE, THE CITY WILL MAKE A FINAL INSPECTION. IF REPAIRS HAVE TO BE MADE, THE CONTRACTOR OR DEVELOPER WILL BE NOTIFIED TO MAKE REPAIRS.
- CONTRACTOR SHALL REPLACE EXISTING TRAFFIC STRIPING/LEGENDS AND DETECTOR LOOPS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS TO THE CITY INSPECTOR'S SATISFACTION. ALL PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC.
- CONTRACTOR IS REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- ALL CONSTRUCTION MATERIALS, EQUIPMENT, STORAGE, STOCKPILING, AND STAGING MUST BE DONE ON-SITE AND THE PUBLIC RIGHT-OF-WAY/STREET MUST BE KEPT CLEAR AND FREE OF DEBRIS.
- EQUIPMENT AND TRUCKS USED FOR PROJECT CONSTRUCTION SHALL UTILIZE THE BEST AVAILABLE NOISE CONTROL TECHNIQUES (E.G. IMPROVED MUFFLERS, EQUIPMENT REDESIGN, USE OF INTAKE SILENCERS, DUCTS, ENGINE ENCLOSURES AND ACOUSTICALLY-ATTENUATING SHIELDS OR SHROUDS, WHEREVER FEASIBLE).
- EXCEPT AS PROVIDED HEREIN, IMPACT TOOLS (E.G. JACK HAMMERS, PAVEMENT BREAKERS, AND ROCK DRILLS) USED FOR PROJECT CONSTRUCTION SHALL BE HYDRAULICALLY OR ELECTRICALLY POWERED TO AVOID NOISE ASSOCIATED WITH COMPRESSED AIR EXHAUST FROM PNEUMATICALLY POWERED TOOLS. HOWEVER, WHERE USE OF PNEUMATIC TOOLS IS UNAVOIDABLE, AN EXHAUST MUFFLER ON THE COMPRESSED AIR EXHAUST SHALL BE USED; THIS MUFFLER CAN LOWER NOISE LEVELS FROM THE EXHAUST BY UP TO ABOUT 10dBA. EXTERNAL JACKETS ON THE TOOLS THEMSELVES SHALL BE USED IF SUCH JACKETS ARE COMMERCIALY AVAILABLE AND THIS COULD ACHIEVE A REDUCTION OF 5dBA. QUIETER PRODUCERS SHALL BE USED, SUCH AS DRILLS RATHER THAN IMPACT EQUIPMENT, WHENEVER SUCH PRODUCERS ARE AVAILABLE AND CONSISTENT WITH CONSTRUCTION PROCEDURES.
- RESIDENTIAL PROPERTY OWNERS WITHIN 200 FEET OF PLANNED CONSTRUCTION AREA SHALL BE NOTIFIED OF THE CONSTRUCTION SCHEDULE IN WRITING, PRIOR TO CONSTRUCTION; THE PROJECT SPONSOR SHALL DESIGNATE A "DISTURBANCE COORDINATOR" WHO SHALL BE RESPONSIBLE FOR RESPONDING TO ANY LOCAL COMPLAINTS REGARDING CONSTRUCTION NOISE; THE COORDINATOR (WHO MAY BE AN EMPLOYEE OF THE DEVELOPER OR GENERAL CONTRACTOR) SHALL DETERMINE THE CAUSE OF THE COMPLAINT AND SHALL REQUIRE THAT REASONABLE MEASURES WARRANTED TO CORRECT THE PROBLEM BE IMPLEMENTED; A TELEPHONE NUMBER OF THE NOISE DISTURBANCE COORDINATOR SHALL BE CONSPICUOUSLY POSTED AT THE CONSTRUCTION SITE FENCE AND ON THE NOTIFICATION SENT TO NEIGHBORS ADJACENT TO THE SITE.

BASIS OF BEARINGS:

THE COORDINATES AND BEARINGS AS SHOWN HEREON ARE BASED UPON THE CALIFORNIA STATE PLANE COORDINATE SYSTEM OF 1983, (CCS83), ZONE 3, (2010.00). ALL DISTANCES SHOWN, UNLESS OTHERWISE NOTED, ARE IN TERMS OF THE U.S. SURVEY FOOT, SAID BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING NATIONAL GEODETIC SURVEY (NGS) CONTROL STATIONS, SEE THE NGS DATA SHEETS FOR A FULL DESCRIPTION OF THESE STATIONS:

NGS SURVEY STATIONS					
PID	NORTHING	EASTING	ORTHO HEIGHT	COMBINED FACTOR	CONVERGENCE
DG6890	2,002,124.47	6,082,996.23	9.3'	0.99994016	-01°00'36".1
HT1271	1,991,435.38	6,093,694.31	7.3'	0.99994264	-00°59'13".5

BENCHMARK:

THE BASIS OF ELEVATIONS FOR THIS SURVEY IS BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE NATIONAL GEODETIC SURVEY (NGS), SURVEY CONTROL MARK DESIGNATION:(941 4537 TIDAL 4 RESET), PID:(HT1271), DESCRIBED AS A TIDAL STATION DISK STAMPED:(TIDAL 4 RESET 1970), LOGO:(CGS) SET IN THE CONCRETE TOP OF THE EMERGENCY PUMPING PLANT, 0.6 FOOT SOUTH OF THE NORTH CORNER OF THE EMERGENCY PUMPING PLANT AT THE PALO ALTO SEWAGE TREATMENT PLANT.

ELEV= 7.3 FEET (NAVD 88)

UTILITY NOTE:

THE UTILITY LINES SHOWN ON THIS DRAWING ARE DERIVED FROM SURFACE OBSERVATION AND RECORD DRAWINGS, THE LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH PRESENCE OF ANY ADDITIONAL UTILITY LINES NOT SHOWN ON THIS DRAWING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY EXCAVATION.

SURVEYOR'S NOTES:

- ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES, AND ARE IN U.S. SURVEY FEET AND DECIMALS THEREOF.
- THE BOUNDARY LINES, RIGHT-OF-WAY LINES ARE BASED ON A COMBINATION OF BOTH RECORD INFORMATION AND SAN MATEO COUNTY GIS DATA.
- THIS TOPOGRAPHIC SURVEY REPRESENTS A FIELD SURVEY PERFORMED BY ALIQUOT ASSOCIATES, INC. IN MAY, 2024.

SURVEY LEGEND:

AC	ASPHALT CONCRETE		STANDARD STREET MONUMENT SIGN
BLDG	BUILDING		SANITARY SEWER MANHOLE--(SSMH)
BSW	BACK OF SIDEWALK		SANITARY SEWER CLEANOUT--(SSCO)
C/CONC	CONCRETE		STORM DRAIN MANHOLE--(SDMH)
DWY	DRIVEWAY		STORM DRAIN INLET--(DI)
EP	EDGE OF PAVEMENT		CENTERLINE
FLG	FLOW LINE OF GUTTER		PROPERTY LINES
LIP	LIP OF GUTTER		GUARD RAIL
TC	TOP OF CURB		EDGE OF PAVEMENT
	COMMUNICATION BOXES/PEDESTALS		EXISTING FENCE (AS NOTED)
	WATER METER		EXISTING OVERHEAD UTILITY LINE
	WATER VALVE		EXISTING UNDERGROUND WATER LINE
	ELECTRIC BOX		EXISTING UNDERGROUND STORM DRAIN LINE
	FENCE GATE POST		EXISTING UNDERGROUND SANITARY SEWER LINE
	FIRE HYDRANT		EXISTING UNDERGROUND GAS LINE
	GUY ANCHOR		EXISTING WALL (AS NOTED)
	IRRIGATION CONTROL VALVE		EXISTING BUILDING
	JOINT UTILITY POLE		EXISTING TREE (AS NOTED)
	LIGHT		

PROJECT NO:	304.0002023.145	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
DESIGNED BY:	EK					
DRAWN BY:	EK					
REVIEWED BY:	SS					
DATE:	10.1.2024					
SCALE:	AS SHOWN					



**EAST PALO ALTO, CA
PULGAS AVENUE MINI ROUNDABOUTS**



**GENERAL NOTES, LEGEND,
ABBREVIATIONS & TYP.
SECTIONS**

SHEET NO.

ND-01

SHEET 2 OF 12

CONSTRUCTION NOTES:

- ① CONSTRUCT MINI ROUNDABOUT PER SHEET ND-03. GRADING PER SHEETS CD-03 AND CD-05.
- ② REMOVE EXISTING AC AND CMB. SAWCUT AND CONSTRUCT 12" AC PAVEMENT.
- ③ CONSTRUCT 4" PCC SIDEWALK OVER 6" CLASS 2 AGGREGATE BASE PER DETAIL 3, SHEET D-01.
- ④ CONSTRUCT CURB RAMP PER 2023 CALTRANS STD. PLANS A88A AND A88B, CASE PER PLANS.
- ⑤ CONSTRUCT CURB AND GUTTER PER 2022 CALTRANS STD. PLAN A87A, TYPE A2-6.
- ⑥ CONSTRUCT CURB PER 2023 CALTRANS STD. PLAN A87A, TYPE A1-6. HEIGHT PER SHEETS CD-01 TO CD-04.
- ⑦ CONSTRUCT ROLLED CURB PER DETAIL 2, SHEET D-02.
- ⑧ INSTALL BRICK PATTERNED STAMPED CONCRETE



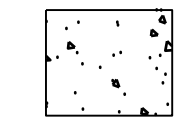

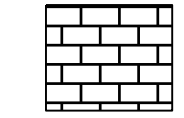

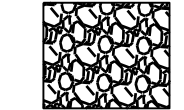
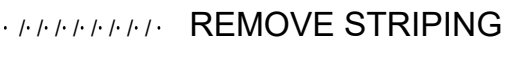

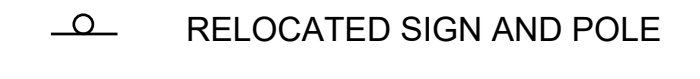

SIGNING AND STRIPING NOTES:

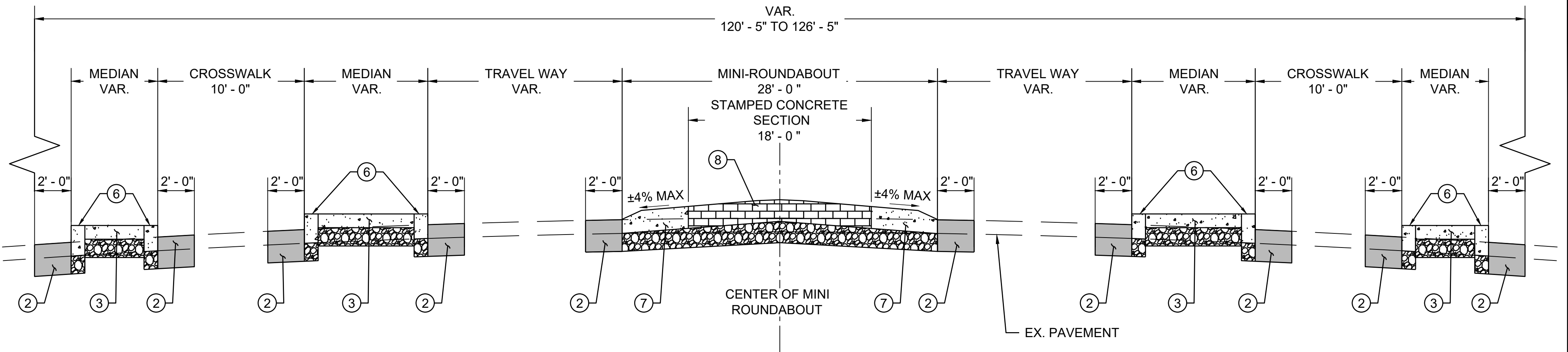
- XX INSTALL STRIPING DETAIL NUMBER PER CALTRANS STD. PLANS A20A - A20E
- 1 INSTALL YIELD LINE PER CALTRANS STD. PLAN A24E.
- 2 INSTALL HIGH VISIBILITY YELLOW CROSSWALK PER CALTRANS STD. PLAN A24F.
- 3 FURNISH AND INSTALL NEW SIGN AND POST PER DETAIL 1, SHEET D-01. SIGN TYPE AS NOTED ON PLAN.
- 4 INSTALL RED CURB PAINT, LENGTH PER PLANS.

ABBREVIATIONS:

(X,XX)	INDICATES EXISTING ELEVATION	LF	LINEAR FOOT
AB	AGGREGATE BASE	LIP	LIP OF GUTTER
AC	ASPHALT CONCRETE	MH	MAN HOLE
ADA	AMERICAN WITH DISABILITIES ACT	MAX	MAXIMUM
AVE	AVENUE	MIN	MINIMUM
BC	BEGIN CURVE	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
BCR	BEGINNING OF CURB RETURN	N	NORTH
BEG	BEGINNING	O.C.	ON CENTER
BOC	BACK OF CURB	OFF	OFFSET
BW	BACK OF WALL	PCC	PORTLAND CEMENT CONCRETE
CA	CALIFORNIA	RT	RIGHT
CALTRANS	CALIFORNIA DEPARTMENT OF TRANSPORTATION	R/W	RIGHT OF WAY
CF	CURB FACE	SD	STORM DRAIN
C&G	CURB AND GUTTER	SF	SQUARE FEET (FOOT)
CL	CENTER LINE	ST	STREET
CMB	CRUSHED MISCELLANEOUS BASE	STA	STATION
CONC	CONCRETE	STD.	STANDARD
CONST	CONSTRUCTION	S	SOUTH
E	EAST	ST	STREET
ECR	END OF CURB RETURN	SW	SIDEWALK
EG	EXISTING GROUND	TC	TOP OF CURB
ELEV.	ELEVATION	TYP.	TYPICAL
EX.	EXISTING	U.S.	UNITED STATES
FL	FLOW LINE	VAR.	VARIES
FOC	FACE OF CURB	W	WEST
FS	FINISHED SURFACE	WM	WATER MAIN
HMA	HOT MIXED ASPHALT	WV	WATER VALVE
HYD	FIRE HYDRANT	XS	CROSS SECTION
LT	LEFT		

LEGEND:

	PROPOSED AC PAVEMENT		CENTERLINE
	PROPOSED PCC PAVEMENT		RIGHT-OF-WAY
	BRICK PATTERNED STAMPED CONCRETE		SAWCUT LINE
	CLASS 2 AGGREGATE BASE		REMOVE STRIPING
			NEW ROADSIDE SIGN ON POLE
			RELOCATED SIGN AND POLE
			DIAMETER



PROPOSED SECTION

PULGAS AVENUE AT BEECH STREET/RUNNYMEDE STREET MINI-ROUNDABOUTS

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PROJECT NO:	304.0002023.145	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
DESIGNED BY:	EK					
DRAWN BY:	EK					
REVIEWED BY:	SS					
DATE:	10.1.2024					
SCALE:	AS SHOWN					



**EAST PALO ALTO, CA
PULGAS AVENUE MINI ROUNDABOUTS**



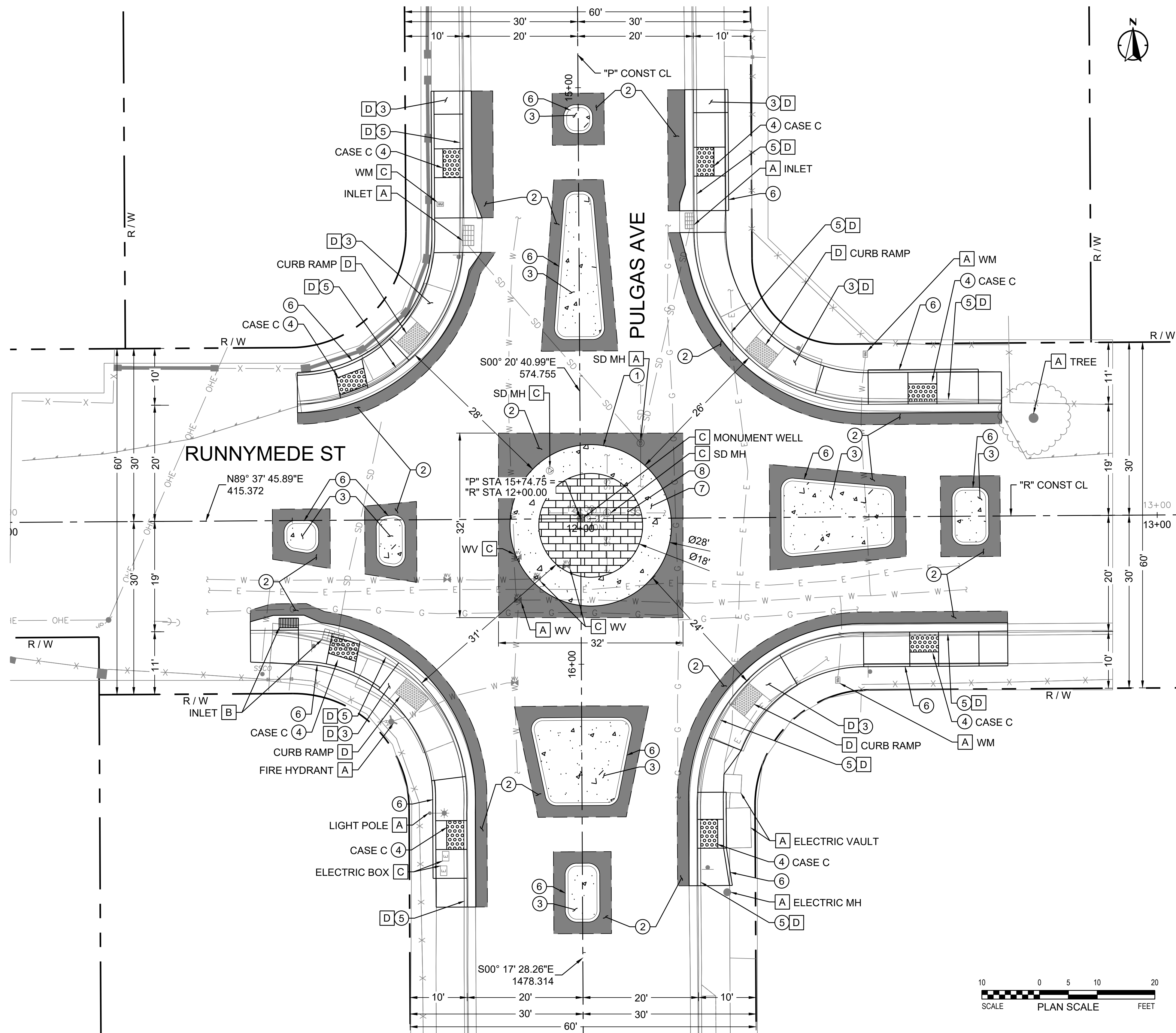
**GENERAL NOTES, LEGEND,
ABBREVIATIONS & TYP.
SECTIONS**

SHEET NO.

ND-02

SHEET 3 OF 12

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CONSTRUCTION NOTES

- ① CONSTRUCT MINI ROUNDABOUT PER SHEET ND-03. GRADING PER SHEETS CD-03 AND CD-05.
- ② REMOVE EXISTING AC AND CMB. SAWCUT AND CONSTRUCT 12" AC PAVEMENT.
- ③ CONSTRUCT 4" PCC SIDEWALK OVER 6" CLASS 2 AGGREGATE BASE PER DETAIL 3, SHEET D-01.
- ④ CONSTRUCT CURB RAMP PER 2023 CALTRANS STD. PLANS A88A AND A88B, CASE PER PLANS.
- ⑤ CONSTRUCT CURB AND GUTTER PER 2022 CALTRANS STD. PLAN A87A, TYPE A2-6.
- ⑥ CONSTRUCT CURB PER 2023 CALTRANS STD. PLAN A87A, TYPE A1-6. HEIGHT PER SHEETS CD-01 TO CD-04.
- ⑦ CONSTRUCT ROLLED CURB PER DETAIL 2, SHEET D-02.
- ⑧ INSTALL BRICK PATTERNED STAMPED CONCRETE

DISPOSITION NOTES

- A** PROTECT IN PLACE (AS NOTED)
- B** RELOCATE (AS NOTED)
- C** ADJUST TO GRADE (AS NOTED)
- D** REMOVE AND SALVAGE (AS NOTED)

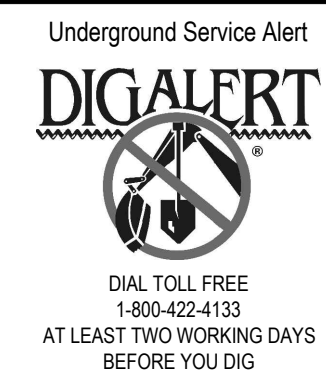
LEGEND

— — — CENTERLINE		PROPOSED PCC PAVEMENT	Ø DIAMETER
- - - RIGHT-OF-WAY		BRICK PATTERNED STAMPED CONCRETE	
- - - SAWCUT LINE		DETECTABLE WARNING SURFACE	
		PROPOSED AC PAVEMENT	

GENERAL NOTES

1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS ND-01 TO ND-02.
2. FOR SIGNING AND STRIPING PLANS, SEE SHEETS SS-01 TO SS-02.
3. FOR CURB RAMP, MEDIAN, AND TRAFFIC CIRCLE CIVIL DETAILS, SEE SHEETS CD-01 TO CD-04.
4. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND DEPTHS ARE UNKNOWN. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION. CONTRACTOR SHALL TAKE CARE DURING EXCAVATION AND PROTECT IN PLACE ALL UTILITIES ENCOUNTERED. DAMAGED UTILITY FACILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST.
5. PROTECT IN PLACE ALL EXISTING CURB AND GUTTER, SIDEWALK, STREET LIGHT POLES, STREET SIGNS, DRIVEWAYS, TREES, FENCES, WALLS, AND EXISTING IMPROVEMENTS IN ROADWAY AND PARKWAY UNLESS OTHERWISE SPECIFIED.
6. ALL EXISTING IMPROVEMENTS WHICH ARE DAMAGED OR DESTROYED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER BY AND AT THE EXPENSE OF THE CONTRACTOR.
7. ALL CONCRETE CURB AND GUTTER, AND PAVEMENT WITH LESS THAN 1% GRADE SHALL BE WATER TESTED PRIOR TO FINAL ACCEPTANCE TO INSURE POSITIVE DRAINAGE WITHOUT LOW SPOTS. IF ANY AREAS ARE IDENTIFIED WHERE PONDING OCCURS, THE CONTRACTOR SHALL REMOVE AND REPLACE THOSE IMPROVEMENTS AT THEIR EXPENSE.

PROJECT NO:	304.0002023.145
DESIGNED BY:	EK
DRAWN BY:	EK
REVIEWED BY:	SS
DATE:	10.2.2024
SCALE:	AS SHOWN

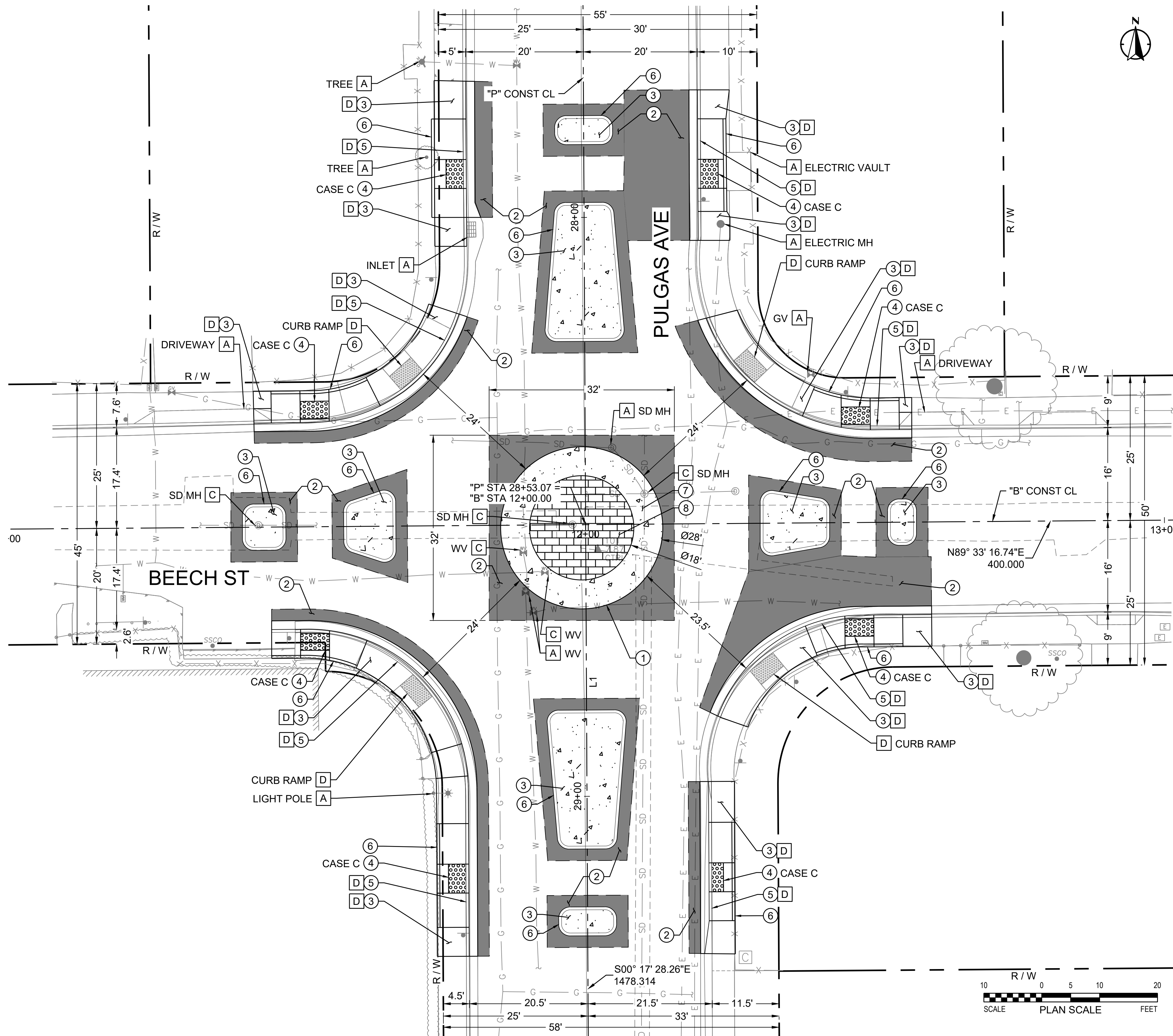


EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



LAYOUT PULGAS AVE AT RUNNYMEDE ST

Dwg filename: N:\Shared\PROJECTS\2023\2023_145_East Palo Alto, CA Traffic Circle Concepts\CAD\01_Plans\2023_145_C_LAY.dwg Last saved by: emmakatz Plot date: 10/2/2024 12:56 PM Plot style table: ALTA NCS Standard.sbt



CONSTRUCTION NOTES

- ① CONSTRUCT MINI ROUNDABOUT PER SHEET ND-03. GRADING PER SHEETS CD-03 AND CD-05.
- ② REMOVE EXISTING AC AND CMB. SAWCUT AND CONSTRUCT 12" AC PAVEMENT.
- ③ CONSTRUCT 4" PCC SIDEWALK OVER 6" CLASS 2 AGGREGATE BASE PER DETAIL 3, SHEET D-01.
- ④ CONSTRUCT CURB RAMP PER 2023 CALTRANS STD. PLANS A88A AND A88B, CASE PER PLANS.
- ⑤ CONSTRUCT CURB AND GUTTER PER 2022 CALTRANS STD. PLAN A87A, TYPE A2-6.
- ⑥ CONSTRUCT CURB PER 2023 CALTRANS STD. PLAN A87A, TYPE A1-6. HEIGHT PER SHEETS CD-01 TO CD-04.
- ⑦ CONSTRUCT ROLLED CURB PER DETAIL 2, SHEET D-02.
- ⑧ INSTALL BRICK PATTERNED STAMPED CONCRETE

DISPOSITION NOTES

- A PROTECT IN PLACE (AS NOTED)
- B RELOCATE (AS NOTED)
- C ADJUST TO GRADE (AS NOTED)
- D REMOVE AND SALVAGE (AS NOTED)

LEGEND

- CENTERLINE
- - - RIGHT-OF-WAY
- - - SAWCUT LINE
- PROPOSED AC PAVEMENT
- PROPOSED PCC PAVEMENT
- BRICK PATTERNED STAMPED CONCRETE
- DETECTABLE WARNING SURFACE
- ∅ DIAMETER

GENERAL NOTES

1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE SHEETS ND-01 TO ND-02.
2. FOR SIGNING AND STRIPING PLANS, SEE SHEETS SS-01 TO SS-02.
3. FOR CURB RAMP, MEDIAN, AND TRAFFIC CIRCLE CIVIL DETAILS, SEE SHEETS CD-01 TO CD-04.
4. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND DEPTHS ARE UNKNOWN. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION. CONTRACTOR SHALL TAKE CARE DURING EXCAVATION AND PROTECT IN PLACE ALL UTILITIES ENCOUNTERED. DAMAGED UTILITY FACILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST.
5. PROTECT IN PLACE ALL EXISTING CURB AND GUTTER, SIDEWALK, STREET LIGHT POLES, STREET SIGNS, DRIVEWAYS, TREES, FENCES, WALLS, AND EXISTING IMPROVEMENTS IN ROADWAY AND PARKWAY UNLESS OTHERWISE SPECIFIED.
6. ALL EXISTING IMPROVEMENTS WHICH ARE DAMAGED OR DESTROYED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER BY AND AT THE EXPENSE OF THE CONTRACTOR.
7. ALL CONCRETE CURB AND GUTTER, AND PAVEMENT WITH LESS THAN 1% GRADE SHALL BE WATER TESTED PRIOR TO FINAL ACCEPTANCE TO INSURE POSITIVE DRAINAGE WITHOUT LOW SPOTS. IF ANY AREAS ARE IDENTIFIED WHERE PONDING OCCURS, THE CONTRACTOR SHALL REMOVE AND REPLACE THOSE IMPROVEMENTS AT THEIR EXPENSE.

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DRAWN BY:	EK					
REVIEWED BY:	SS					
DATE:	10.2.2024					
SCALE:	AS SHOWN					



EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



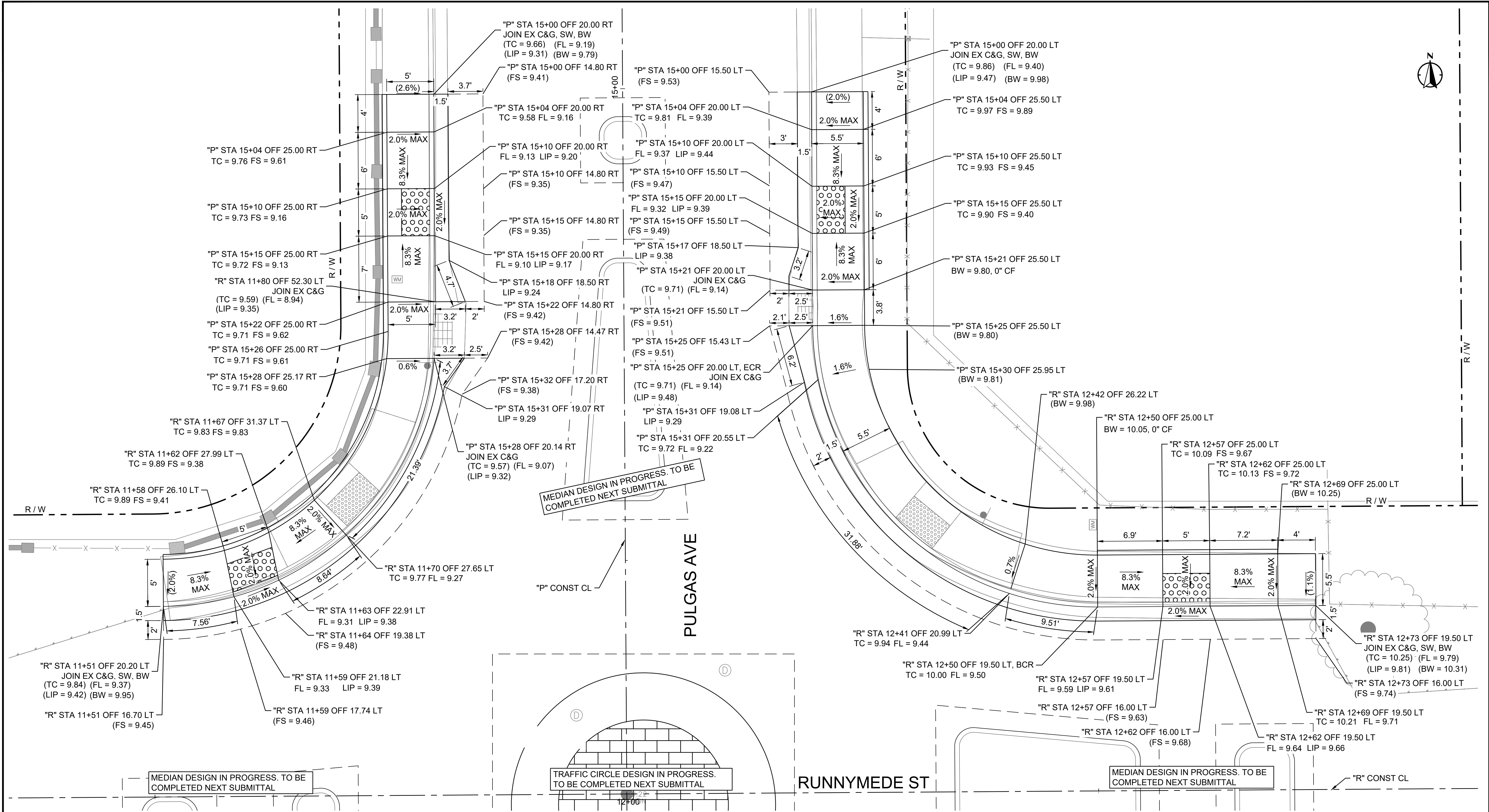
LAYOUT PULGAS AVE AT BEECH ST

SHEET NO.

L-02

SHEET 5 OF 12

Dwg filename: N:\Shared\PROJECTS\2023\2023_145_East Palo Alto, CA Traffic Circle Concepts\CAD\01_Plans\2023_145_CD_RUNNYMEDE.dwg Last saved by: enmakatz Plot date: 10/22/2024 12:57 PM Plot style table: ALTA NCS Standard.stb



1 RUNNYMEDE ST AT PULGAS AVE - NE AND NW CORNERS
SCALE: 1" = 5'



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REVIEWED BY:	SS					
DATE:	10.2.2024					
SCALE:	AS SHOWN					



**EAST PALO ALTO, CA
PULGAS AVENUE MINI ROUNDABOUTS**



**GRADING PLANS
PULGAS AVE AT
RUNNYMEDE ST**

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RUNNYMEDE ST

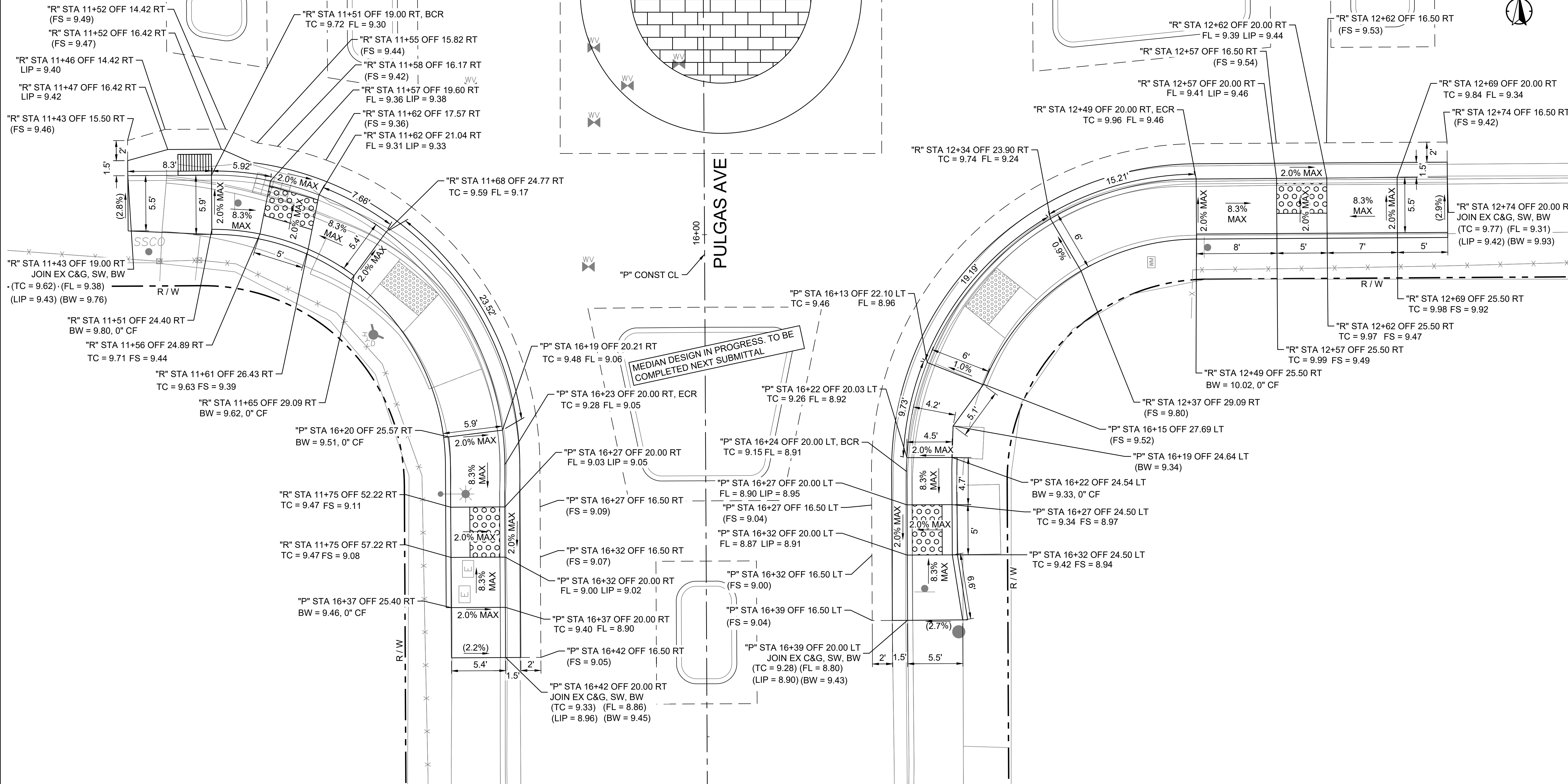
MEDIAN DESIGN IN PROGRESS. TO BE COMPLETED NEXT SUBMITTAL

TRAFFIC CIRCLE DESIGN IN PROGRESS. TO BE COMPLETED NEXT SUBMITTAL

RUNNYMEDE ST

MEDIAN DESIGN IN PROGRESS. TO BE COMPLETED NEXT SUBMITTAL

"R" CONST CL

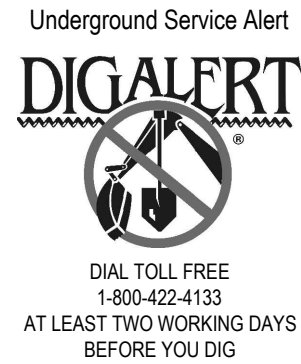


2 RUNNYMEDE ST AT PULGAS AVE - SE AND SW CORNERS

SCALE: 1" = 5'



PROJECT NO:	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
304.0002023.145					
DESIGNED BY:	EK				
DRAWN BY:	EK				
REVIEWED BY:	SS				
DATE:	10.2.2024				
SCALE:	AS SHOWN				



EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



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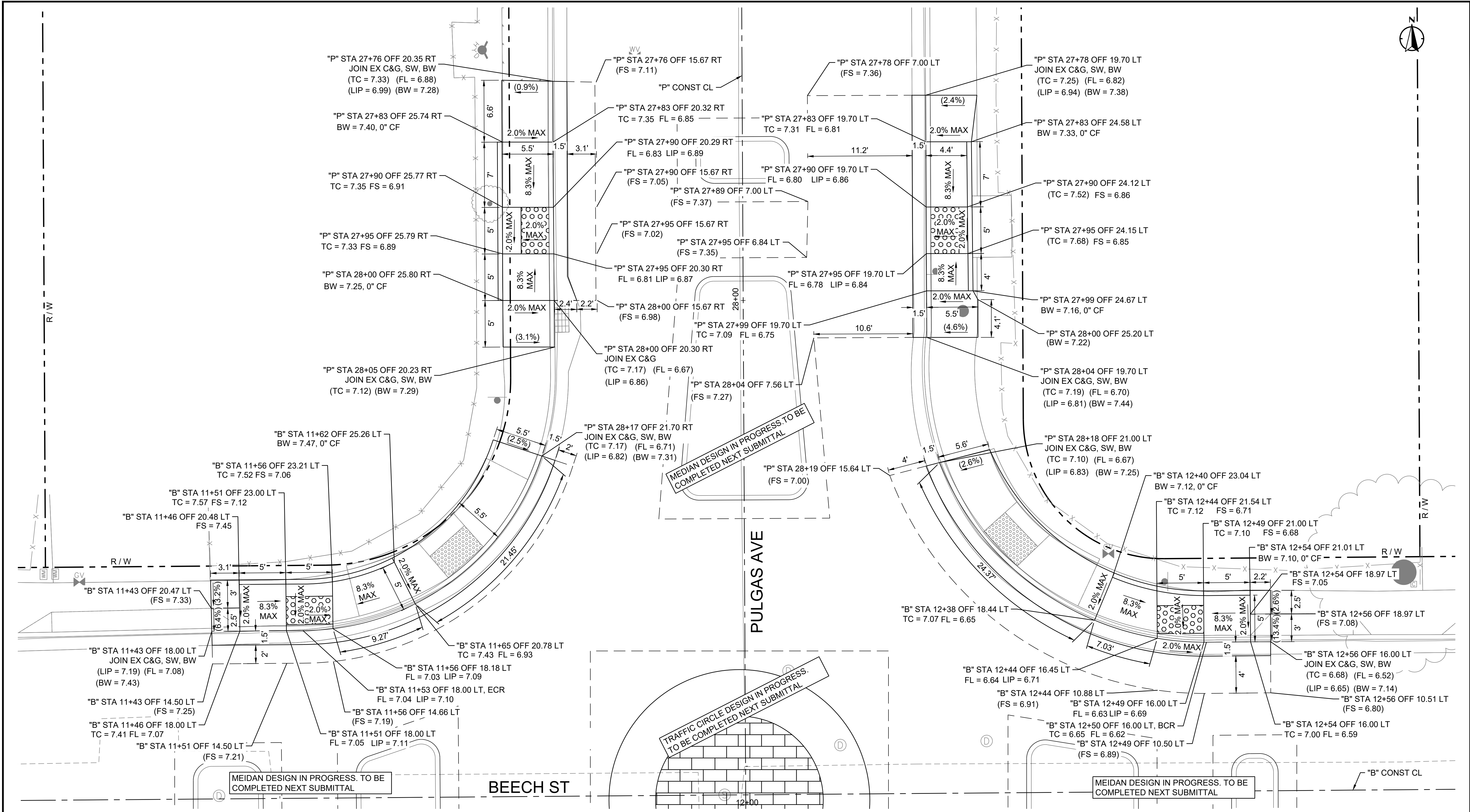
GRADING PLANS PULGAS AVE AT RUNNYMEDE ST

SHEET NO.

CD-02

SHEET 7 OF 12

Dwg filename: N:\Shared\PROJECTS\2023\2023-145 East Palo Alto, CA Traffic Circle Concepts\CAD\01_Plans\2023-145_CD_BEECH.dwg Last saved by: emmakatz Plot date: 10/2/2024 12:57 PM Plot style table: ALTA NCS Standard.stb



4

BEECH ST AT PULGAS AVE - NE AND NW CORNERS

SCALE: 1" = 5'



PROJECT NO:	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
304.0002023.145					
DESIGNED BY:	EK				
DRAWN BY:	EK				
REVIEWED BY:	SS				
DATE:	10.2.2024				
SCALE:	AS SHOWN				



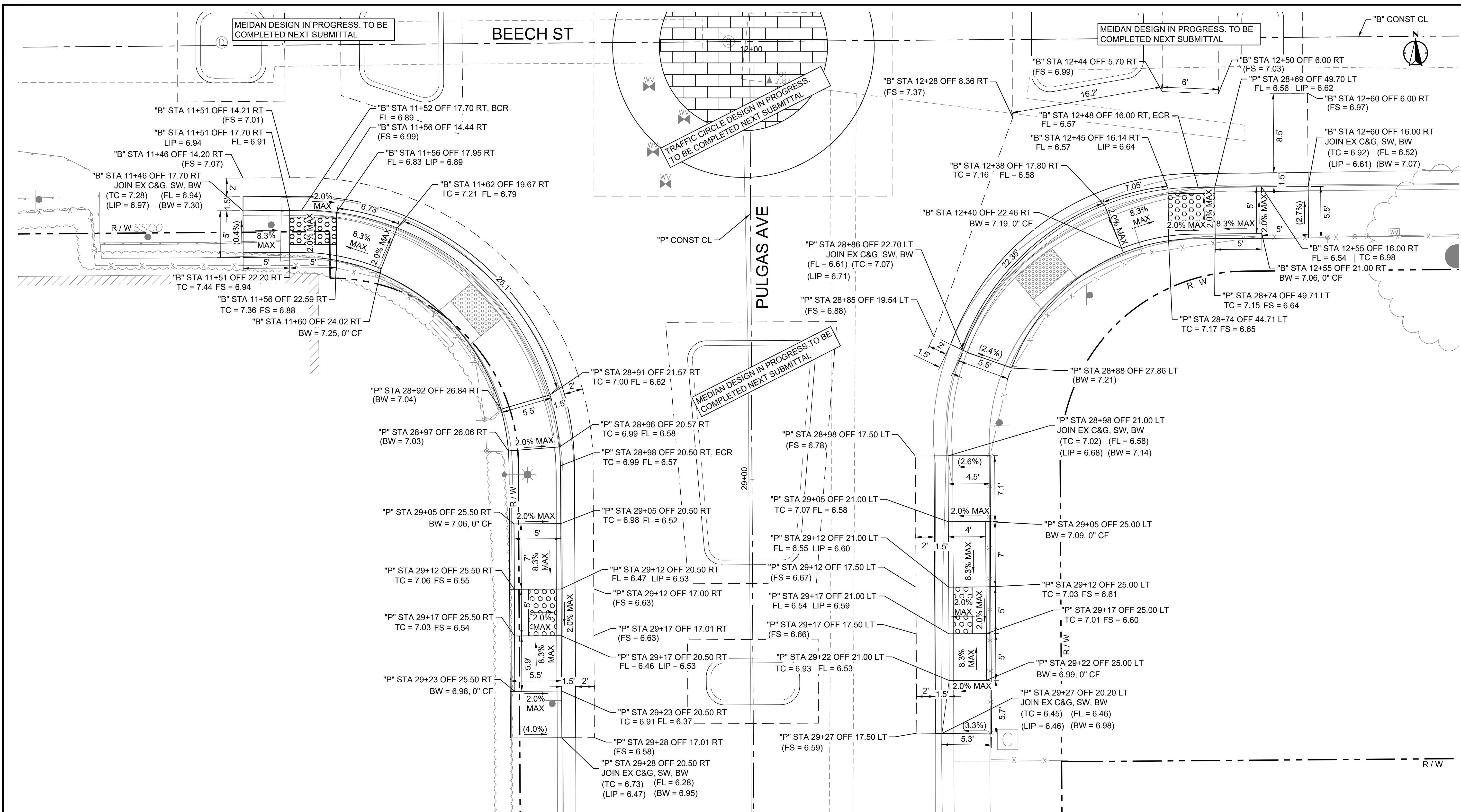
EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



GRADING PLANS PULGAS AVE AT BEECH ST

SHEET NO.
CD-03
SHEET 8 OF 12

Dwg filename: N:\Shared\PROJECTS\2023\2023_145_East Palo Alto, CA Traffic Circle Concepts\CAD\01_Plans\2023-145_CD_BEECH.dwg Last saved by: enmakatz Plot date: 10/2/2024 12:58 PM Plot style table: ALTA NCS Standard.stb



4 BEECH ST AT PULGAS AVE - SE AND SW CORNERS
SCALE: 1" = 5'



PROJECT NO:	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
304.0002023.145					
DESIGNED BY:	EK				
DRAWN BY:	EK				
REVIEWED BY:	SS				
DATE:	10.2.2024				
SCALE:	AS SHOWN				

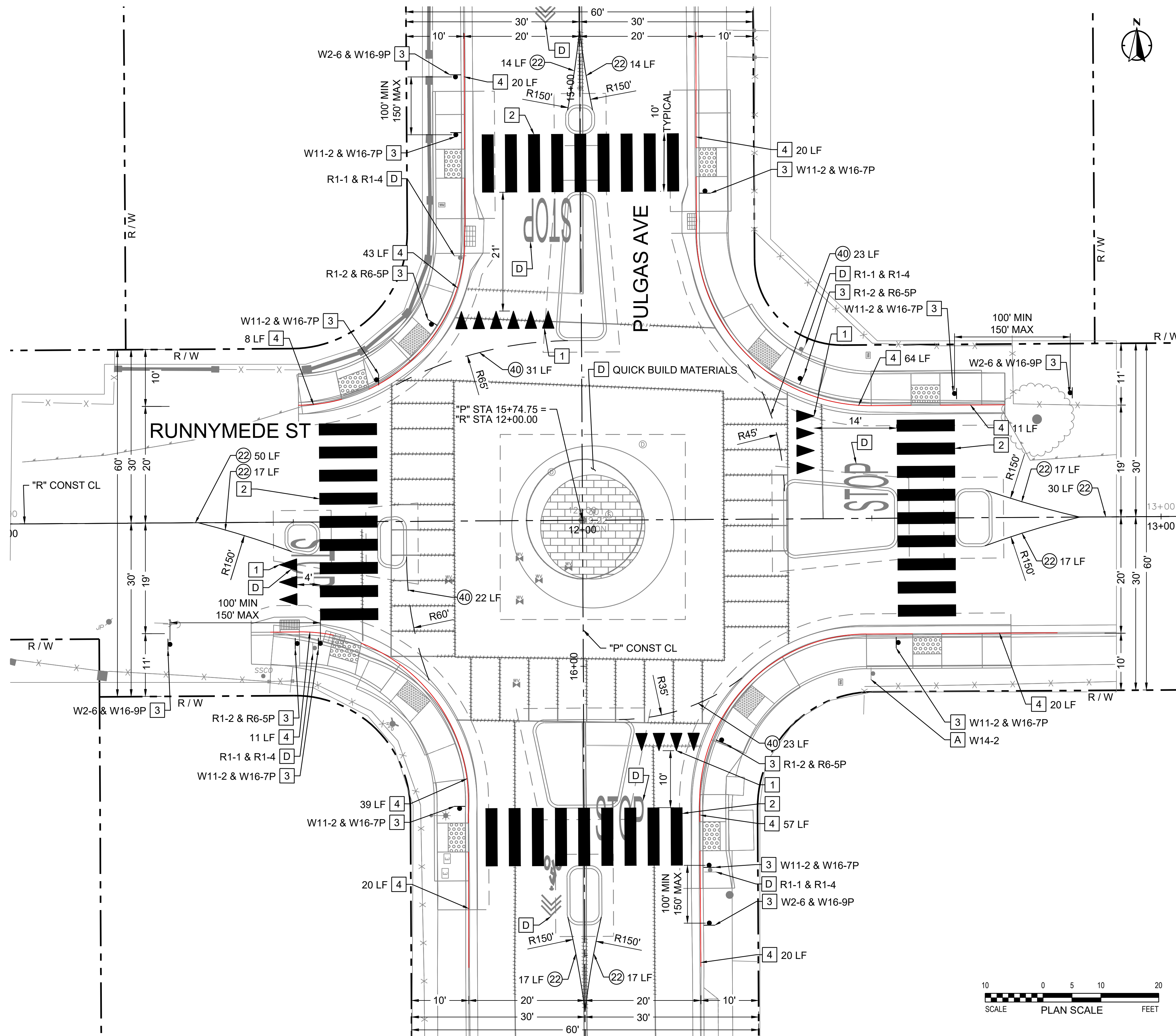


EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



GRADING PLANS PULGAS AVE AT BEECH ST

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SIGNING & STRIPING NOTES

- XX INSTALL STRIPING DETAIL NUMBER PER CALTRANS STD. PLANS A20A - A20E
- 1 INSTALL YIELD LINE PER CALTRANS STD. PLAN A24E.
- 2 INSTALL HIGH VISIBILITY YELLOW CROSSWALK PER CALTRANS STD. PLAN A24F.
- 3 FURNISH AND INSTALL NEW SIGN AND POST PER DETAIL 1, SHEET D-01. SIGN TYPE AS NOTED ON PLAN.
- 4 INSTALL RED CURB PAINT, LENGTH PER PLANS.

DISPOSITION NOTES

- A PROTECT IN PLACE (AS NOTED)
- D REMOVE AND SALVAGE (AS NOTED)

LEGEND

- CENTERLINE
- REMOVE STRIPING
- - - - - RIGHT-OF-WAY
- - - - - SAWCUT LINE

SIGNING & STRIPING LEGEND

R1-2 36"x36"x36"	R6-5P 30"x30"	R6-5P 30"x30"	RELOCATED SIGN AND POLE
W11-2 30"x30"	W16-7P 24"x12"	AHEAD W16-9P 24"x12"	YIELD LINE

GENERAL NOTES

- ALL SIGNING AND STRIPING SHALL CONFORM AND BE INSTALLED PER CALTRANS 2022 STANDARD PLANS, SPECIFICATIONS AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL LIMIT LINES, CROSSWALKS, LEGENDS, AND YIELD LINES SHALL BE THERMOPLASTIC PER CALTRANS STANDARD SPECIFICATIONS. ALL LANE LINES, NO PASSING ZONE AND DIAGONAL STRIPING SHALL BE PAINT PER CALTRANS STANDARD PLAN SPECIFICATIONS.
- EXISTING STRIPING, PAVEMENT MARKINGS AND LEGEND THAT ARE IN CONFLICT WITH PROPOSED STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NO PERMITTED. ALL STRIPING REMOVALS AND LEGENDS SHALL BE " FOG SEALED".
- ALL EXISTING SIGNS NOT INDICATED AS REMOVED OR RELOCATED ON THIS PLAN BUT REQUIRED TO REMOVE FOR CIVIL WORK SHALL BE RELOCATED TO NEAREST APPROPRIATE AREA AVAILABLE PER NEW CIVIL WORK. IF SIGN IS TO BE RELOCATED, NEW LOCATION MUST BE APPROVED BY CITY ENGINEER BEFORE INSTALLATION.
- THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING WORK ONLY.

PROJECT NO:	304.0002023.145
DESIGNED BY:	EK
DRAWN BY:	EK
REVIEWED BY:	SS
DATE:	10.2.2024
SCALE:	AS SHOWN

Underground Service Alert

DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO WORKING DAYS
BEFORE YOU DIG

EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS

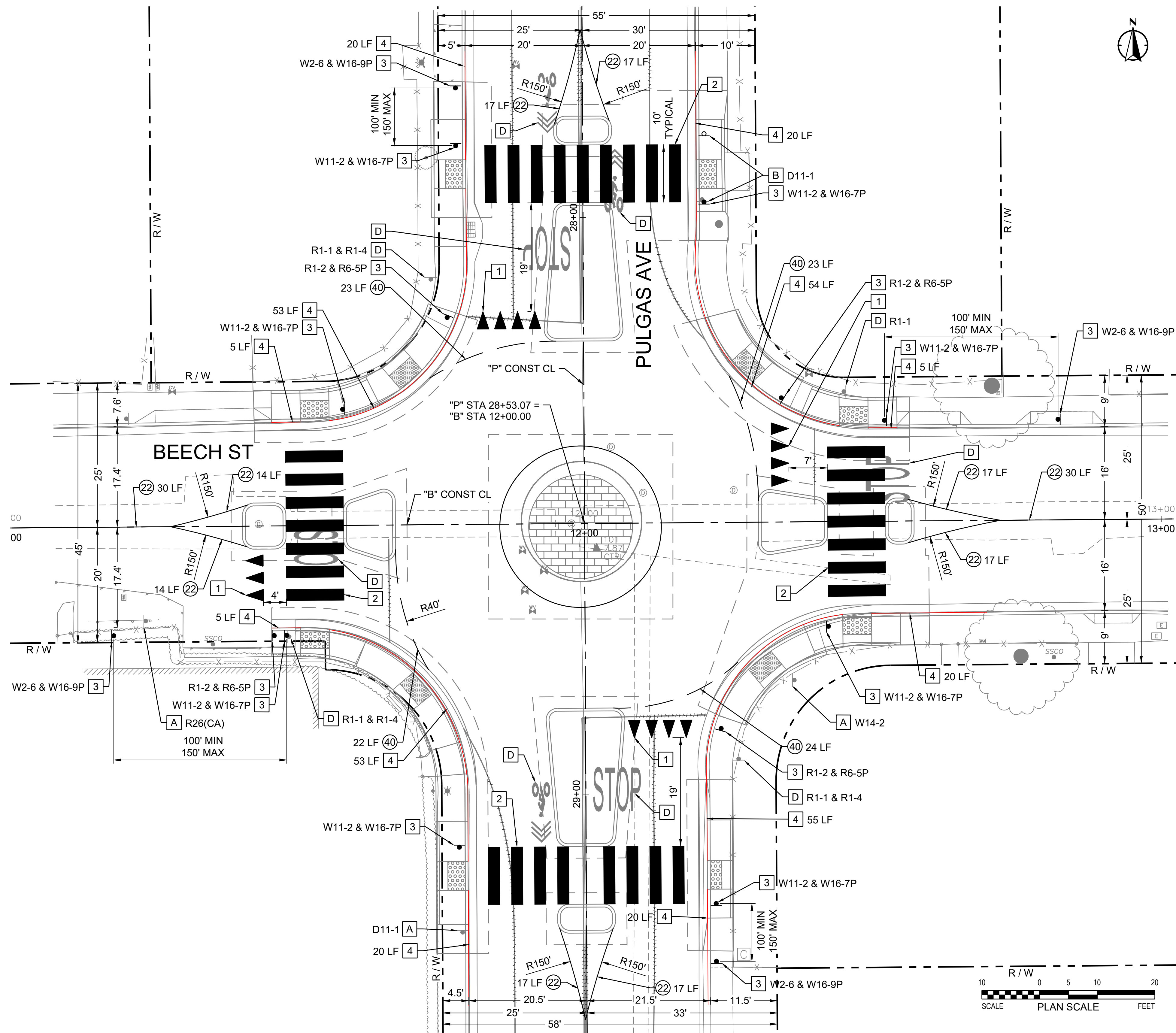


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SIGNING AND STRIPING PULGAS AVE AT RUNNYMEDE ST

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SIGNING & STRIPING NOTES

- (XX) INSTALL STRIPING DETAIL NUMBER PER CALTRANS STD. PLANS A20A - A20E
- 1 INSTALL YIELD LINE PER CALTRANS STD. PLAN A24E.
- 2 INSTALL HIGH VISIBILITY YELLOW CROSSWALK PER CALTRANS STD. PLAN A24F.
- 3 FURNISH AND INSTALL NEW SIGN AND POST PER DETAIL 1, SHEET D-01. SIGN TYPE AS NOTED ON PLAN.
- 4 INSTALL RED CURB PAINT, LENGTH PER PLANS.

DISPOSITION NOTES

- A PROTECT IN PLACE (AS NOTED)
- B RELOCATE (AS NOTED)
- D REMOVE AND SALVAGE (AS NOTED)

LEGEND

- CENTERLINE
- REMOVE STRIPING
- - - - - RIGHT-OF-WAY
- - - - - SAWCUT LINE

SIGNING & STRIPING LEGEND

R1-2 36"x36"x36"	R6-5P 30"x30"	R6-5P 30"x30"	RELOCATED SIGN AND POLE
			▼▼ YIELD LINE
W11-2 30"x30"	W16-7P 24"x12"	W16-9P 24"x12"	

GENERAL NOTES

1. ALL SIGNING AND STRIPING SHALL CONFORM AND BE INSTALLED PER CALTRANS 2022 STANDARD PLANS, SPECIFICATIONS AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. ALL LIMIT LINES, CROSSWALKS, LEGENDS, AND YIELD LINES SHALL BE THERMOPLASTIC PER CALTRANS STANDARD SPECIFICATIONS. ALL LANE LINES, NO PASSING ZONE AND DIAGONAL STRIPING SHALL BE PAINT PER CALTRANS STANDARD PLAN SPECIFICATIONS.
3. EXISTING STRIPING, PAVEMENT MARKINGS AND LEGEND THAT ARE IN CONFLICT WITH PROPOSED STRIPING AND PAVEMENT MARKINGS SHALL BE REMOVED BY WET SANDBLASTING, GRINDING OR OTHER APPROVED METHOD AND SHALL NOT DAMAGE THE PAVEMENT. "BLACK OUT" OF EXISTING DELINEATION IS NO PERMITTED. ALL STRIPING REMOVALS AND LEGENDS SHALL BE " FOG SEALED".
4. ALL EXISTING SIGNS NOT INDICATED AS REMOVED OR RELOCATED ON THIS PLAN BUT REQUIRED TO REMOVE FOR CIVIL WORK SHALL BE RELOCATED TO NEAREST APPROPRIATE AREA AVAILABLE PER NEW CIVIL WORK. IF SIGN IS TO BE RELOCATED, NEW LOCATION MUST BE APPROVED BY CITY ENGINEER BEFORE INSTALLATION.
5. THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING WORK ONLY.

PROJECT NO:	304.0002023.145
DESIGNED BY:	EK
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REVIEWED BY:	SS
DATE:	10.2.2024
SCALE:	AS SHOWN



EAST PALO ALTO, CA PULGAS AVENUE MINI ROUNDABOUTS



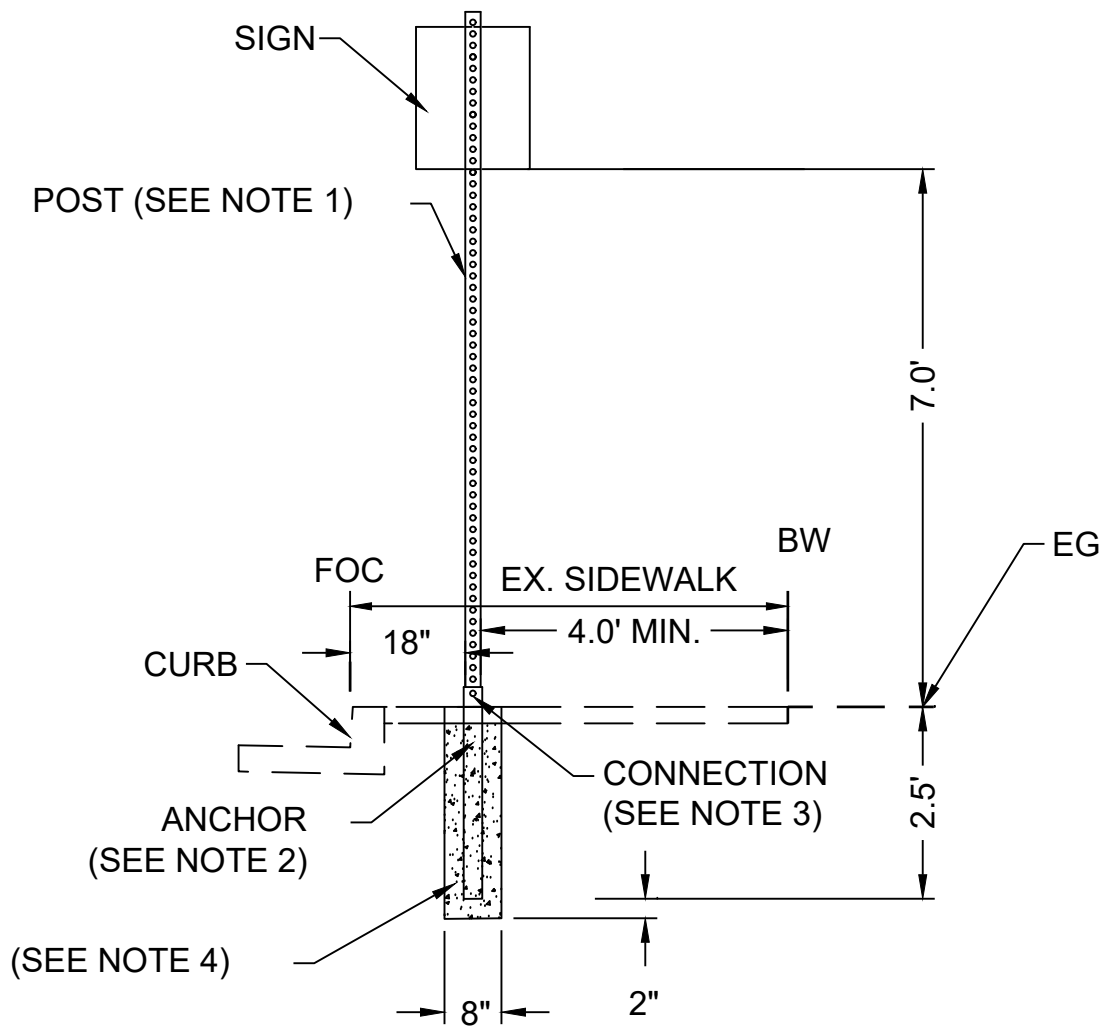
SIGNING AND STRIPING PULGAS AVE AT BEECH ST

SHEET NO.

SS-02

SHEET 11 OF 12

Dwg filename: N:\Shared\PROJECTS\2023\2023_145 East Palo Alto, CA Traffic Circle Concepts\CAD\01_Plans\2023-145_C_DET.dwg Last saved by: emmakatz Plot date: 10/2/2024 12:59 PM Plot style table: ALTA NCS Standard.sbt

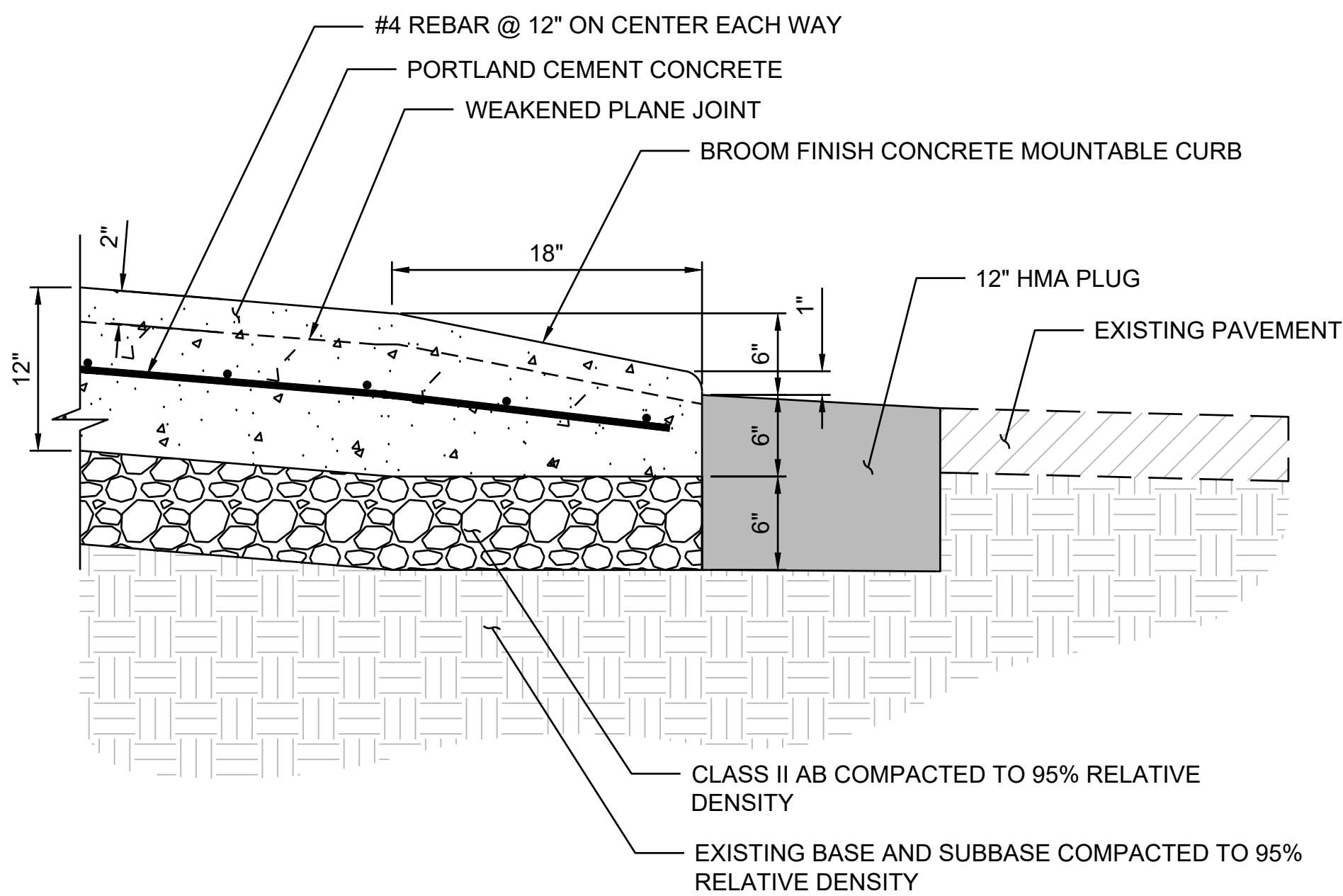


NOTES:

1. POSTS SHALL BE TELESAR OR APPROVED EQUAL PERFORATED 1 3/4" SQUARE, FOURTEEN (14) GAUGE STEEL POSTS AND MINIMUM 10 FEET IN LENGTH. POSTS SHALL BE MANUFACTURED FROM HOT-DIPPED GALVANIZED STEEL CONFORMING TO ASTM A 653, G-90, STRUCTURAL QUALITY, CLASS 1. THE CORNER WELD SHALL BE ZINC COATED AFTER SCARFING OPERATION. THE POST SHALL ALSO BE COATED WITH A CHROMATE CONVERSION COATING AND CLEAR ORGANIC POLYMER TOPCOAT. BOTH THE INTERIOR AND THE EXTERIOR OF THE POST SHALL BE GALVANIZED. POST SHALL BE HUNTER GREEN POWDER COATING COLOR.
2. ANCHORS SHALL BE TELESAR OR APPROVED EQUAL PERFORATED 2" SQUARE, TWELVE (12) GAUGE HOT-DIPPED GALVANIZED STEEL ANCHORS. A TWO-PIECE BREAKAWAY ANCHOR SYSTEM (ANCHOR ASSEMBLY) SHALL BE USED BY WELDING AN EIGHTEEN INCH (18") LONG, TWELVE (12) GAUGE OUTER SLEEVE OF THE NEXT LARGER SIZE PERFORATED TUBE TO THE ORIGINAL 2" SQUARE PERFORATED ANCHOR BASE.
3. CONNECTION BETWEEN ANCHOR SLEEVE AND POST SHALL BE MADE BY ANCHOR BOLTS IN COMPLIANCE WITH SECTION 56-2 OF THE STATE STANDARD SPECIFICATIONS.
4. CONTRACTOR TO FIELD VERIFY THERE ARE NO CONFLICTS WITH EXISTING UTILITIES AND PROPOSED SIGN.
5. IF PROPOSED SIGN FOUNDATION IS WITHIN EXISTING SIDEWALK PANEL, SIDEWALK PANEL TO BE REPLACED IN KIND.

1 NEW SIGN AND POST

NTS

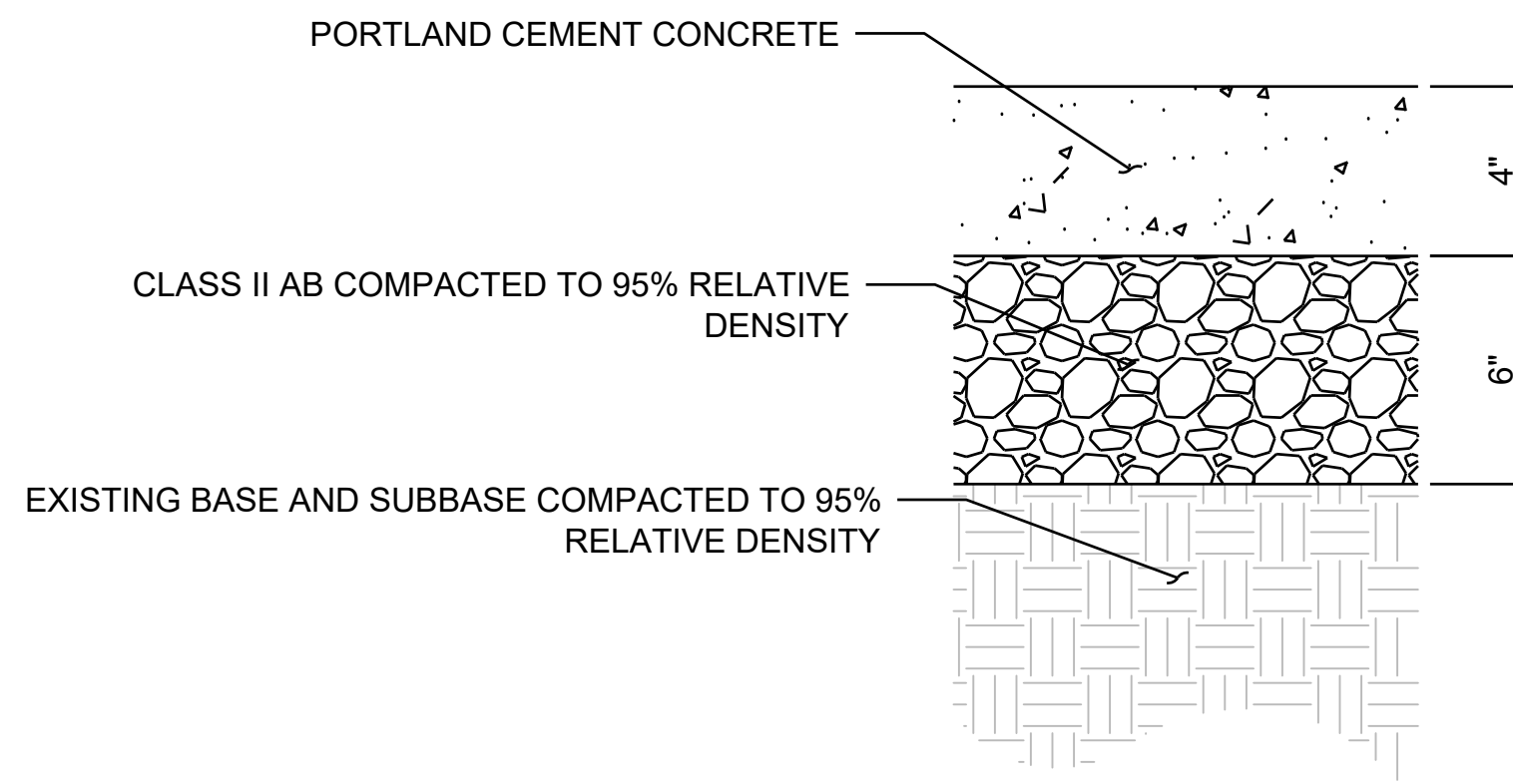


2 MOUNTABLE CURB DETAIL

NTS

3 PCC SECTION

NTS



PROJECT NO:	304.0002023.145	MARK	DESCRIPTION	ISSUE	DATE	INITIAL
DESIGNED BY:	EK					
DRAWN BY:	EK					
REVIEWED BY:	SS					
DATE:	9.27.2024					
SCALE:	AS SHOWN					



EAST PALO ALTO, CA
PULGAS AVENUE MINI ROUNDABOUTS



CIVIL AND STRIPING
DETAILS

SHEET NO.

D-01

SHEET 12 OF 12