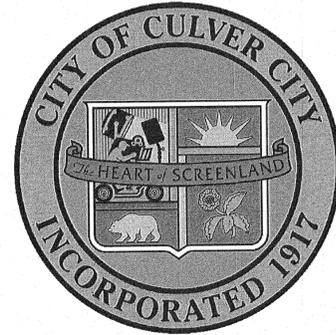


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LA BALLONA ELEMENTARY

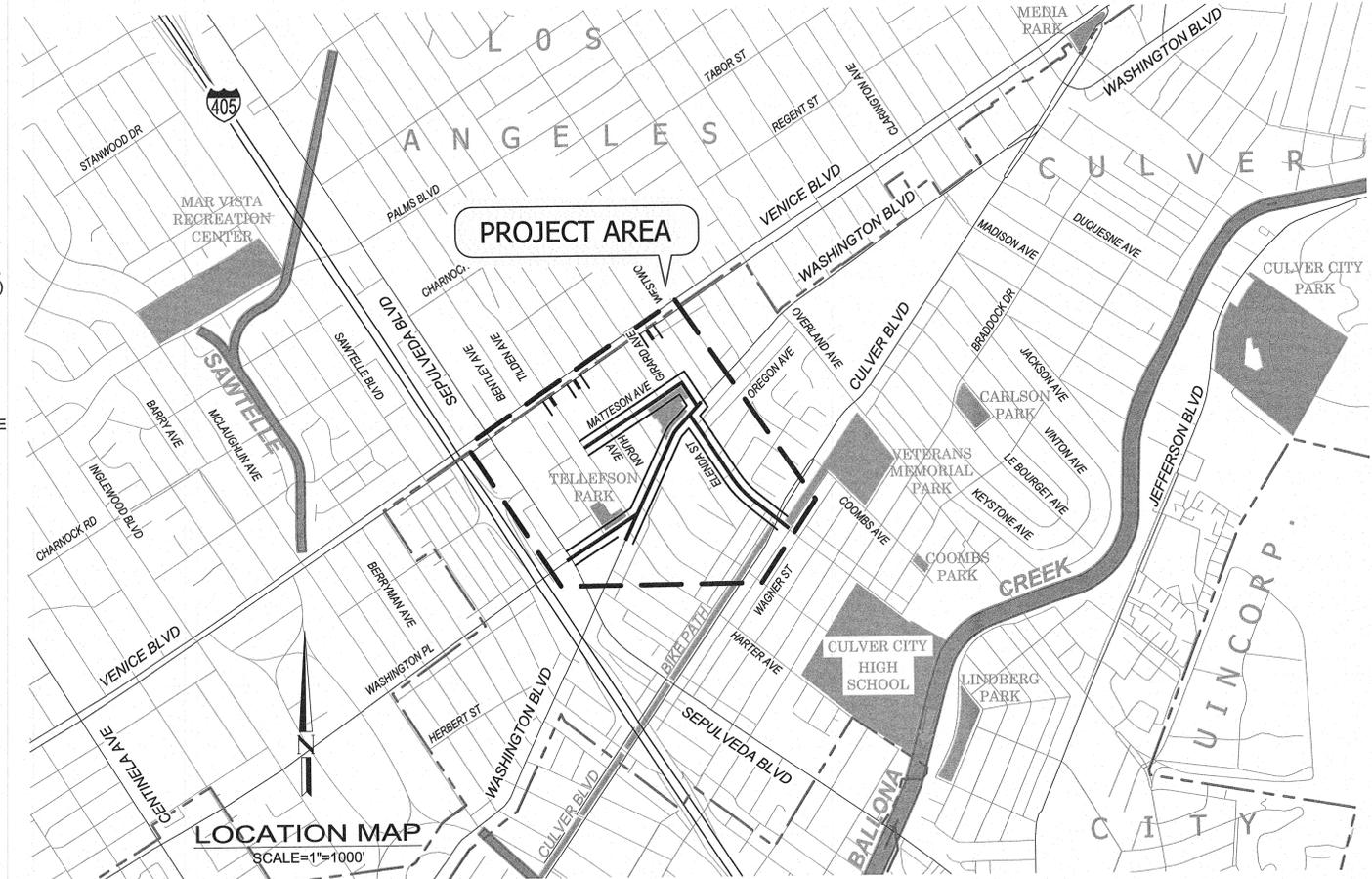
SAFE ROUTES TO SCHOOL IMPROVEMENTS, PL-006

FEDERAL AID PROJECT, ATPL-5020(034)



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53	TS-5	PEDESTRIAN HYBRID BEACON - WASHINGTON BLVD/ HURON AVE
54		NOT USED
55	SLGN-1	STREET LIGHTING GENERAL NOTES
56 TO 60	SL-1 TO SL-5	STREET LIGHTING LAYOUT
61	SLD-1	STREET LIGHTING DETAILS



ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

THE ESTIMATED QUANTITY FOR EACH SPECIFIC ITEM OF THE WORK DESIGNATED ON THE PLANS SHALL BE CONSIDERED AS APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT THE QUANTITIES WHICH CAN BE DETERMINED BY COMPUTATIONS, BASED ON THE DETAILS AND DIMENSIONS SHOWN ON THE PLANS, WILL EQUAL THE ESTIMATED QUANTITIES. THE ESTIMATE OF QUANTITIES IS PROVIDED BY THE ENGINEER ONLY FOR THE CONVENIENCE OF THE OWNER, THE CONTRACTOR SHALL MAKE HER OR HIS OWN DETERMINATION AND BE RESPONSIBLE FOR HER OR HIS OWN CONSTRUCTION QUANTITIES BEFORE SUBMITTING A BID. ANY ITEM OF WORK, OR PORTION THEREOF, REQUIRED BY THESE PLANS WHICH IS NOT SPECIFICALLY LISTED IN THE ESTIMATE OF QUANTITIES SHALL BE CONSIDERED AS INCLUDED IN THE OTHER ITEMS OF WORK.

UTILITY COMPANY CONTACTS

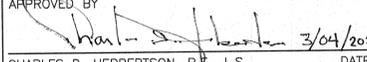
COMPANY	CONTACT	PHONE NO.
Underground Service Alert	Pedro Reyes	(800) 227-2600
Southern California Gas	Elena Lozano	(310) 605-2194
Golden State Water Company	Ryan Chien	(562) 907-9200
Southern California Edison (SCE)	Barry Velves	(310) 315-3206
Verizon	Dean Boyers	(310) 264-5118
MCI Worldcom	Trey Standard	(972) 729-6016
AT&T Engineering	Shahram Fadakar	(310) 293-2261
LADWP (Water)	Rachel Bass	(213) 367-5659
City of Los Angeles Sewer	Brad Broullire	(310) 575-8613
Charter - Spectrum	Kevin Sullivan	(906) 776-6621
Abovenet, INC.	Ruth Croanin-Fruit	(714) 236-8502
Exxon-Mobile Oil Corporation	Dave Zerler	(310) 212-1761
Chevron Pipeline	Ken Chung	(310) 669-4014
MWD-Pipeline Maintenance Group		(213) 217-7670

BASIS OF BEARINGS

BASIS OF BEARING FOR THIS SURVEY IS THE BEARING OF N53°28'59.6"W BETWEEN GPS CONTROL POINTS #35 & #125 PER COUNTY OF LOS ANGELES RECORD OF SURVEY 164/42.

BENCHMARK

COORDINATES SHOWN ARE BASED UPON CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE V, (1995.00 EPOCH). ELEVATIONS ARE BASED ON POINT 125 AS SHOWN IN COUNTY OF LOS ANGELES RECORD OF SURVEY 164/42, "CITY OF CULVER CITY CONTROL MAP" BEING OF ELEVATION 61.06 (NAVD88).

APPROVED BY: 
 CHARLES D. HERBERTSON, P.E., L.S. DATE: 3/04/2020
 PUBLIC WORKS DIRECTOR / CITY ENGINEER

CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.



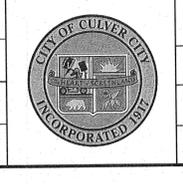
INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_TITL
 DESIGNED BY: ALTA
 DRAWN BY: ALTA
 REVIEWED BY: SF
 DATE: 3/3/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON 3/3/20
 DATE



REVIEWED BY:
 R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE	PROJECT NO.
TITLE SHEET	PL-006
1	SHEET 1 OF 61

PLAN NO.: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

SURVEY LEGEND:

---	PROPERTY LINES
---	CENTERLINE
---	STORM DRAIN LINE
---	SANITARY SEWER LINE
---	WATER LINE
---	GAS LINE
---	COMMUNICATION LINE
---	ELECTRICAL LINE

	POINT, ELEVATION AND DESCRIPTION
	CONTOURS (1-FT INTERVALS)
	TREE (DIAMETER SIZE IN INCHES)

SURVEY SYMBOLS

- EXISTING STREET LIGHT
- EXISTING SEWER MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING TREE
- EXISTING TRAFFIC SIGNAL
- EXISTING FIRE HYDRANT
- EXISTING GAS VALVE
- EXISTING SIGN
- EXISTING WATER VALVE
- EXISTING TRAFFIC PULLBOX
- EXISTING ELECTRICAL PULLBOX
- EXISTING WATER METER OR IRRIGATION BOX
- EXISTING GAS METER BOX
- EXISTING POWER POLE
- EXISTING GUY WIRE

LEGEND

X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
	SAWCUT LINE
	NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
	NEW 3" THICK TYPE I MULCH
	NEW DETECTABLE WARNING SURFACE
	NEW PCC SIDEWALK / DRIVEWAY
	NEW CONCRETE PAVERS
	NEW AC PAVEMENT

ABBREVIATIONS:

AC	- ASPHALT CONCRETE
BC	- BEGIN CURVE
BEG	- BEGIN
BOW	- BACK OF WALK
BW	- BACK OF WALK
C&G	- CONCRETE CURB & GUTTER
CL	- CENTERLINE
CONC	- CONCRETE
COCC	- CITY OF CULVER CITY
DI	- DRAIN INLET
EC	- END CURVE
EP	- EDGE OF PAVEMENT
(E)	- EXISTING
Exist	- EXISTING
FC	- FACE OF CURB
FG	- FINISHED GRADE
FL	- FLOW LINE
FS	- FINISHED SURFACE
GB	- GRADE BREAK
LIP	- LIP OF GUTTER
MAX	- MAXIMUM
MIN	- MINIMUM
NTS	- NOT TO SCALE
OG	- ORIGINAL GROUND
PCC	- PORTLAND CEMENT CONCRETE
PRC	- POINT OF REVERSE CURVE
R/W	- RIGHT OF WAY
SD	- STORM DRAIN
STD	- STANDARD
SW	- SIDEWALK
TC	- TOP OF CURB
TG	- TOP OF GRATE
TYP	- TYPICAL
W/	- WITH
W/O	- WITHOUT

STRIPING KEYNOTES:

- 1 INSTALL 12" WHITE LIMIT LINE
- 2 INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- 3 INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- 4 INSTALL 4" YELLOW STRIPE PER CALTRANS DETAIL 25A STD PLAN A20B
- 5 FURNISH AND INSTALL DAMAGED DETECTOR LOOPS PER LADOT STD DWG S-70.0, S-70.1A, AND S-70.1D. CONTRACTOR MAY RE-USE STUB-OUT AS DETERMINED BY TRAFFIC SIGNAL INSPECTOR. IF STUB-OUT IS NOT IN PLACE OR DAMAGED, CONTRACTOR SHALL INSTALL NEW STUB OUT
- 6 INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
- 7 INSTALL 6" WHITE LANE LINE PER CALTRANS DETAIL 8, STD PLAN A20A
- 8 INSTALL 6" WHITE EDGELINE PER CALTRANS DETAIL 27B, STD PLAN A20B
- 9 INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
- 10 INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD PLAN A24C
- 11 INSTALL BICYCLE LANE PAVEMENT MARKING PER CALTRANS STD PLAN A24C
- 12 INSTALL BICYCLE LANE PAVEMENT MARKING PER DETAIL 10, SHEET D-2
- 13 INSTALL 6" WHITE BIKE LANE LINE PER CALTRANS DETAIL 39, STD PLAN A20D
- 14 INSTALL 6" WHITE INTERSECTION BIKE LANE LINE PER CALTRANS DETAIL 39A, STD PLAN A20D
- 15 INSTALL GREEN SKIP BOXES PER DETAIL 11, SHEET D-2
- 16 INSTALL BICYCLE STOP MARKING PER DETAIL 12, SHEET D-2
- 17 INSTALL STRIPED BIKE LANE BUFFER PER DETAIL 13, SHEET D-2
- 18 SUPPLY AND INSTALL K-71 GREEN FLEXIBLE POST AS SHOWN, SEE DETAIL 14, SHEET D-2
- 19 INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
- 20 INSTALL TYPE VII ARROW MARKING PER CALTRANS STD PLAN A24A;
- 21 PAINT CURB RED PER DETAIL 15, SHEET D-2
- 22 INSTALL SHARED PATH CENTER LINE CAMUTCD FIGURE 9C-2 PASSING PERMITTED; DETAIL 16, SHEET D-2
- 23 GREEN-BACKED BICYCLE TURN BOX PER DETAIL 17, SHEET D-2
- 24 DOUBLE YELLOW CENTERLINE EXTENSION THROUGH INTERSECTION PER CALTRANS STD PLAN A20D DETAIL 41
- 25 SPEED HUMP MARKINGS PER CA MUTCD FIGURE 3B-30, OPTION A
- 26 INSTALL STRIPING PER CALTRANS STD PLAN A20A DETAIL 15
- 27 INSTALL STRIPING PER CALTRANS STD PLAN A20C DETAIL 37B
- 28 INSTALL ZEBRA CYCLE LANE SEPARATED (ARMADILLO BARRIERS) PER DETAIL ON SHEET D2 OR APPROVED EQUIVALENT. (8' O.C.)
- 29 INSTALL 12" YELLOW DIAGONAL LINES 24' O.C.
- 30 RELOCATE SIGN AND POST PER LADOT STD DWG S-452
- 31 INSTALL SIGN AND POST PER LADOT STD DWG S-452
- 32 INSTALL 6" YELLOW MEDIAN STRIPE PER CALTRANS DETAIL 29, STD PLAN A20B

CONSTRUCTION KEYNOTES:

- 1 CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- 2 CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- 3 CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- 4 ADJUST TO GRADE VAULT AND MANHOLE
- 5 CONSTRUCT LOCAL DEPRESSIONS AT CATCH BASIN PER SPPWC STD PLAN 313-3
- 6 CONSTRUCT CONCRETE BIKE RAMP PER SPPWC STD PLAN 110-2
- 7 CONSTRUCT CURB RAMP PER DETAIL 1, SHEET D-1
- 8 CONSTRUCT RETAINING CURB PER DETAIL 2, SHEET D-1
- 9 CONSTRUCT RAISED CROSSWALK PER DETAIL 5, SHEET D-1
- 10 CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
- 11 REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- 12 SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- 13 ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- 14 CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- 15 CONSTRUCT CURB CUT PER DETAIL 7, SHEET D-1
- 16 CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- 17 CONSTRUCT TRENCH DRAIN PER DETAIL 8, SHEET D-1
- 18 CONSTRUCT 10" PCC PAVEMENT OVER 6" CMB
- 19 CONSTRUCT TAPER PER SPPWC STD PLAN 140-3
- 20 INSTALL VARIABLE THICKNESS AC AS NEEDED TO CREATE TEMPORARY ADA PEDESTRIAN PATH



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_GNNT
 DESIGNED BY: JDA
 DRAWN BY: JDA
 REVIEWED BY: SF
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON
 3/20/20
 DATE



REVIEWED BY:

R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE

CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE GENERAL NOTES	G-1	PROJECT NO: PL-006
		SHEET 2 OF 61

PLAN NO: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

GENERAL NOTES:

- SEE ALL DISCIPLINE DRAWINGS FOR ADDITIONAL SYMBOL DEFINITIONS, ABBREVIATIONS, AND NOTES.
- THE LOCATIONS, SERVICE, MATERIAL, AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE ONLY APPROXIMATE. INFORMATION WAS TAKEN FROM PLANS AND RECORDS OF VARIOUS SOURCES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES SO THAT THOSE COMPANIES MAY MARK THE LOCATIONS OF THEIR UTILITIES PRIOR TO CONTRACTOR'S EXCAVATIONS. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST FIVE WORKING DAYS BEFORE POTHOUNG OR EXCAVATING. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY LOCATION (INCLUDING DEPTH) OF EXISTING UTILITIES PRIOR TO RELEVANT SUBMITTALS AND AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION AT THE EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL PRESERVE MARKINGS PROVIDED BY CITY OF CULVER CITY SO THAT RE-MARKING OF THE SAME UTILITIES IS NOT REQUIRED.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A SIGNIFICANT CONFLICT EXISTS BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL CONDITIONS, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- UNLESS OTHERWISE NOTED OR REQUIRED TO ACCOMMODATE NEW AND AVOID EXISTING UTILITIES, REFER TO SPEC SECTION 02221 FOR DEPTH OF COVER FOR NEW PIPING.
- SLOPE SOIL AND PAVING GRADES UNIFORMLY BETWEEN SPOT ELEVATIONS UNLESS VERTICAL CURVES ARE DEFINED.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND PROVIDE SUPPORT AS REQUIRED WHEN UNCOVERING EXISTING PIPES, CONDUITS, ETC.

STANDARDS

- CALTRANS STANDARD PLAN
 - CALTRANS STD PLAN A24D
 - CALTRANS STD PLAN A24F
 - CALTRANS STD PLAN A20B
 - CALTRANS STD PLAN A24E
 - CALTRANS STD PLAN A20A
 - CALTRANS STD PLAN A20D
 - CALTRANS STD PLAN A24C
 - CALTRANS STD PLAN A20C
 - CALTRANS STD PLAN A24A
- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
 - SPPWC STD 111-5
 - SPPWC STD 110-2
 - SPPWC STD 113-2
 - SPPWC STD 120-2
 - SPPWC STD 122-2
 - SPPWC STD 140-3
 - SPPWC STD 141-2
 - SPPWC STD 313-3
- CITY OF LOS ANGELES (COLA) STANDARD PLAN
 - LADOT STD DWG S-452.0
 - LADOT STD DWG S-70.0
 - LADOT STD DWG S-70.1.A
 - LADOT STD DWG S-70.1.D

CONSTRUCTION NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH GREENBOOK, LA COUNTY, AND LA CITY STANDARD CONSTRUCTION DOCUMENTS, LATEST CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE 2015 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS AND STANDARD PLANS.
- RIGHT OF WAY INFORMATION IS APPROXIMATE.
- LOCATION OF UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM OWNERS RECORDS, CITY AND STATE MAPS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AT LEAST 5 DAYS BEFORE EXCAVATION BEGINS: CALL UNDERGROUND SERVICE ALERT AT 811/800-227-2600.
- CONTRACTOR SHALL SCHEDULE CONSTRUCTION OPERATIONS SO THAT UTILITIES ARE KEPT IN SERVICE AT ALL TIMES.
- STATION, OFFSET & ELEVATION CALLOUTS FOR CURB AND GUTTER ARE AT FLOW LINE UNLESS NOTED OTHERWISE.
- DIMENSION OF SIDEWALK IS FROM BACK OF WALK TO FLOW LINE OF CURB AND GUTTER.
- NEW SIDEWALK SHALL JOIN EXISTING SIDEWALK AT EXISTING CONCRETE SCORE LINES. CONTRACTOR SHALL ADJUST SIDEWALK LIMITS AS NECESSARY.
- SAWCUT LINE IS OFFSET 1 FOOT FROM THE LIP OF GUTTER LINE UNLESS OTHERWISE SHOWN.
- ANY SURVEY MONUMENT OR BENCHMARK DAMAGED OR DESTROYED DURING CONSTRUCTION SHALL BE PERPETUATED UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR.
- ALL SIGN CODES ARE PER CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES UNLESS OTHERWISE NOTED ON THE PLAN.
- SEE DETAIL 80 ON SHEET D-1 FOR SIGN POST INSTALLATION DETAILS.
- EXACT LOCATION AND POSITION OF ROADSIDE SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ALL PAVEMENT MARKINGS AND STRIPES THAT CONFLICT WITH THE NEW INSTALLATION ARE TO BE REMOVED PER SECTION 15 OF THE CALIFORNIA STANDARD SPECIFICATIONS.
- ALL STRIPING AND PAVEMENT DELINEATION SHALL BE THERMOPLASTIC.

UNDERGROUND UTILITY NOTES:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POT HOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

TRAFFIC SIGNAL NOTES:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), STANDARD PLANS AND STANDARD SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, FHWA STANDARD HIGHWAY SIGNS, CALIFORNIA SIGN SPECIFICATION, AND THE SPECIAL PROVISIONS. SEE CALTRANS STANDARD PLANS RSP ES-1A AND RSP ES-1B FOR SYMBOL AND ABBREVIATION LEGEND.
- ALL MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR NEW AND UNUSED, UNLESS OTHERWISE NOTED.
- SIGNAL POLES, CONTROLLER CABINET, PULL BOXES, AND SERVICE CABINET SHALL BE CONSISTENT WITH THE DESIGN PLANS BUT MAY BE ADJUSTED BY THE CITY SIGNAL TECHNICIAN IN THE FIELD AS NECESSARY.
- ALL WIRING SHALL BE MARKED (TAGGED) WITHIN THE CONTROLLER CABINET AND PULL BOXES FOR PHASE IDENTIFICATION.
- UNLESS SHOWN OTHERWISE, DETECTOR LOOPS SHALL BE INSTALLED PER CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT) STANDARD PLANS S-70.0, S-70.1A AND S-70.1 D, EXCEPT THAT SAW CUT SHALL BE 5" IN DEPTH AND THE SEPARATION BETWEEN LOOPS SHALL BE 10 FEET. THE NEAR EDGE OF LIMIT LINE DETECTORS SHALL BE ONE FOOT UPSTREAM FROM THE CENTER OF THE LIMIT LINE. ADVANCE DETECTORS SHALL BE SEPARATELY WIRED TO EACH LANE AND CENTERED IN EACH LANE.
- ALL NEW TRAFFIC SIGNAL HEAD AND PEDESTRIAN HEAD HOUSINGS SHALL BE BLACK POLYCARBONATE WITH COLOR RETENTION. NEW TRAFFIC SIGNAL INDICATIONS SHALL BE 12" LED TYPE AND PEDESTRIAN INDICATIONS SHALL BE TWO-SECTIONS WITH LED LAMPS AND WITH COUNTDOWN NUMERALS, UNLESS OTHERWISE SPECIFIED.
- ALL LOOPS SHALL BE PROPERLY LABELED IN THE PULL BOXES.
- ALL MULTI-CONDUCTOR CABLES SHALL BE LABELED PER PHASE IN EACH PULL BOX IF THE COLOR INDICATION CHANGES.
- ALL SIGNAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE SIGNAL PHASE DIAGRAM.
- NEW CONDUIT SHALL BE SCHEDULE 80 AND THE SIZE IS NOTED ON THE PLANS.
- NEW PULL BOXES SHALL BE No. 6 UNLESS OTHERWISE NOTED. ALL LIDS SHALL BE FIBRELYTE POLYMER COMPOSITE CONCRETE IN NON-TRAFFIC AREAS.
- NEW PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS PER LADOT STD. PLAN S-73.2
- EMERGENCY VEHICLE PREEMPTION DEVICE SHALL BE OPTICOM MODEL 721. INSTALL M138 DETECTOR CABLE TO OPTICOM DISCRIMINATOR INSIDE CONTROLLER CABINET. OPTICOM CABLE TO BE UNSPLICED FROM CABINET TO DETECTOR.
- NEW SIGNAL VISORS SHALL HAVE A FULL CIRCLE CROSS SECTION. THEY SHALL BE REMOVABLE BLACK POLYCARBONATE UNITS WITH COLOR RETENTION. STANDARD VISORS SHALL HAVE A LENGTH OF 12". LONG VISORS, WHERE SPECIFIED, SHALL HAVE A LENGTH OF 27". BEVELED VISORS, WHERE SPECIFIED, SHALL HAVE A LENGTH ON THE SHORT SIDE OF 12" AND A LENGTH ON THE LONG SIDE OF 27".
- NEW TRAFFIC SIGNAL BACKPLATES SHALL CONFORM TO LADOT STANDARD PLAN S-77.8A.
- NEW LUMINAIRES SHALL BE LED, CUT-OFF TYPE AND SHALL HAVE BOTH INTEGRAL BALLASTS AND INTEGRAL PHOTO ELECTRIC CONTROLS.
- MAST-ARM MOUNTED STREET NAME SIGNS SHALL BE PROVIDED USING INTERNALLY-ILLUMINATED LED LIGHT SOURCES. THE SIGN PANELS, SIGN FRAME AND MOUNTING HARDWARE SHALL BE TEMPLE EDGE-LIT RAZOR INTERNALLY-ILLUMINATED LED STREET NAME SIGNS OR CITY APPROVED EQUIVALENT. THE SIGN PANELS SHALL BE DISPLAYED ON BOTH SIDES WITH GREEN BACKGROUND AND WHITE LETTERING. THE SIGNS SHALL INCLUDE 12" UPPER CASE AND 9" LOWER CASE SERIES C LETTERS WITH STREET TITLES OF "ST", "AV", "BL", "PL" ETC. THE SIGN HEIGHT SHALL BE 24" FOR A SINGLE LINE STREET NAME AND THE SIGN LENGTH SHALL BE AS LONG AS NECESSARY, BUT NOT TO EXCEED 120". THE SPACING BETWEEN LETTERS SHALL BE ONE STROKE WIDTH.THE SPACING BETWEEN WORDS SHALL BE 7" AND THE SPACING AT THE LEFT AND RIGHT EDGES OF THE SIGN SHALL BE NO LESS THAN 7".
- PRIOR TO WORKING ON SERVICE OR LIGHTING CIRCUITS, CONTACT MAINTENANCE OPERATIONS AT (310) 253-6433, 48 HOURS IN ADVANCE, FOR DAILY SAFETY CIRCUIT CLEARANCE.
- ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE RETURNED TO CITY STORAGE YARD AT 9505 JEFFERSON BLVD. CONTACT FACILITIES MAINTENANCE SUPERVISOR AT (310) 253-6433.

TRAFFIC SIGNAL NOTES CONT'D:

- STREET LIGHTS SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
- WHENEVER NEW CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT WITH EXISTING INDIVIDUAL CONDUCTORS (EXCEPT SERVICE WIRES), ALL INDIVIDUAL CONDUCTORS AT THE INTERSECTION SHALL BE REMOVED AND REPLACED WITH MULTI-CONDUCTOR CABLE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF SUCH UNDERGROUND FACILITIES WHICH MAY BE SUBJECT TO DAMAGE BY THE CONTRACTOR'S OPERATIONS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO POT HOLING TO EXPOSE ALL UTILITY CROSSINGS WITH PROPOSED CONDUIT RUNS, TRAFFIC SIGNAL FOUNDATIONS, ETC.

SIGNING AND STRIPING:

- ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), STANDARD PLANS AND STANDARD SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, FHWA STANDARD HIGHWAY SIGNS, CALIFORNIA SIGN SPECIFICATION, AND THE SPECIAL PROVISIONS.
- ALL STRIPING AND PAVEMENT LEGENDS SHALL BE ALKYD-BASED THERMOPLASTIC WITH RAISED PAVEMENT MARKERS UNLESS OTHERWISE NOTED.
- ALL CONFLICTING LINES AND LEGENDS SHALL BE REMOVED BY WET BLASTING OR GRINDING. REMOVAL OF RAISED PAVEMENT MARKERS SHALL NOT CAUSE STRUCTURAL DAMAGE TO THE PAVEMENT.
- ALL SALVAGED SIGNS AND POSTS SHALL BE DELIVERED TO THE CITY MAINTENANCE YARD, 9505 JEFFERSON BLVD, CITY OF CULVER CITY, (310) 253-6441, UNLESS OTHERWISE INDICATED.
- NEW SIGN POSTS SHALL BE "UNISTRUT" SQUARE GALVANIZED STEEL POSTS WITH A BREAKAWAY FEATURE, OR APPROVED EQUAL, PER LADOT STANDARD PLAN S-452.0.
- ALL NEW STREET NAME SIGNS SHALL BE DOUBLE-SIDED RETRO-REFLECTORIZED TYPE WITH A GREEN BACKGROUND AND WHITE LEGEND. POST MOUNTED STREET NAME SIGNS SHALL USE 6 INCH UPPER CASE AND 4 1/2 INCH LOWER CASE SERIES C LETTERS WITH THE CITY SEAL AND LOGO, AS PER CITY STANDARD PLAN. ALL OVERHEAD STREET NAME SIGNS SHALL USE 12 INCH UPPER CASE AND 9 INCH LOWER CASE SERIES C LETTERS WITH NO CITY SEAL OR LOGO.
- ALL NEW SIGNS ARE TO HAVE RETRO-REFLECTORIZED SHEETING WITH TYPE III BACKGROUNDS, TYPE VIII WHITE TEXT, AND UV/ANTI-GRAFFITI FILM.
- ALL SIGNS ARE TO BE PER THE STATE OF CALIFORNIA SIGN SPECIFICATIONS AND SHALL BE MINIMUM 0.1 INCH THICK ALUMINUM SHEETING.
- ALL INSTALLATIONS AND REMOVALS OF SIGNS AND COLORED CURB ZONES ARE TO BE IMPLEMENTED BEFORE STRIPING MARKOUT.
- STRIPING SHALL BE MARKED OUT BY THE CONTRACTOR BY USE OF A THIN PAINTED LINE OVER A PULLED ROPE OR STRING. YELLOW MARKOUT IS TO BE USED FOR CENTERLINES AND YELLOW CROSSWALKS AND WHITE MARKOUT IS TO BE USED FOR ALL OTHER LINES. AT INTERSECTIONS WITH CURVES OR WITH WIDTH CHANGES THE MARKOUT SHOULD BE PULLED ACROSS THE INTERSECTION TO ENSURE NO OFFSETS IN THE STRIPING. THE MARKOUT SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER FOR ALIGNMENT PRIOR TO FINAL INSTALLATION. A MINIMUM OF ONE WEEK NOTICE IS REQUIRED BY THE CITY TRAFFIC ENGINEER FOR APPROVAL OF STRIPING.
- TABS (TEMPORARY ADHESIVE DELINEATORS) SHALL BE INSTALLED IMMEDIATELY FOLLOWING STRIPING REMOVAL ALONG THE GHOST LINES OF THE REMOVED STRIPING. TABS ALSO SHALL BE INSTALLED IMMEDIATELY FOLLOWING RESURFACING BY ESTIMATING THE POSITIONING OF THE NEW STRIPING. IMMEDIATELY FOLLOWING THE INSTALLATION OF THE MARKOUT THE OLD TABS ARE TO BE REMOVED AND NEW TABS ARE TO BE INSTALLED ADJACENT TO THE MARKOUT, UNLESS THE OLD TABS ARE WITHIN ONE FOOT OF THE MARKOUT. ALL TABS SHOULD BE REMOVED AFTER THE FINAL STRIPING IS INSTALLED. TABS SHALL BE THE SAME COLOR AS THE FINAL STRIPING AND DUAL TABS SHALL BE USED FOR LINES WIDER THAN FOUR INCHES.



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_GNNT
 DESIGNED BY: JDA
 DRAWN BY: JDA
 REVIEWED BY: SF
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON 3/20/20
 DATE



REVIEWED BY:

 REVIEWED BY:

R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

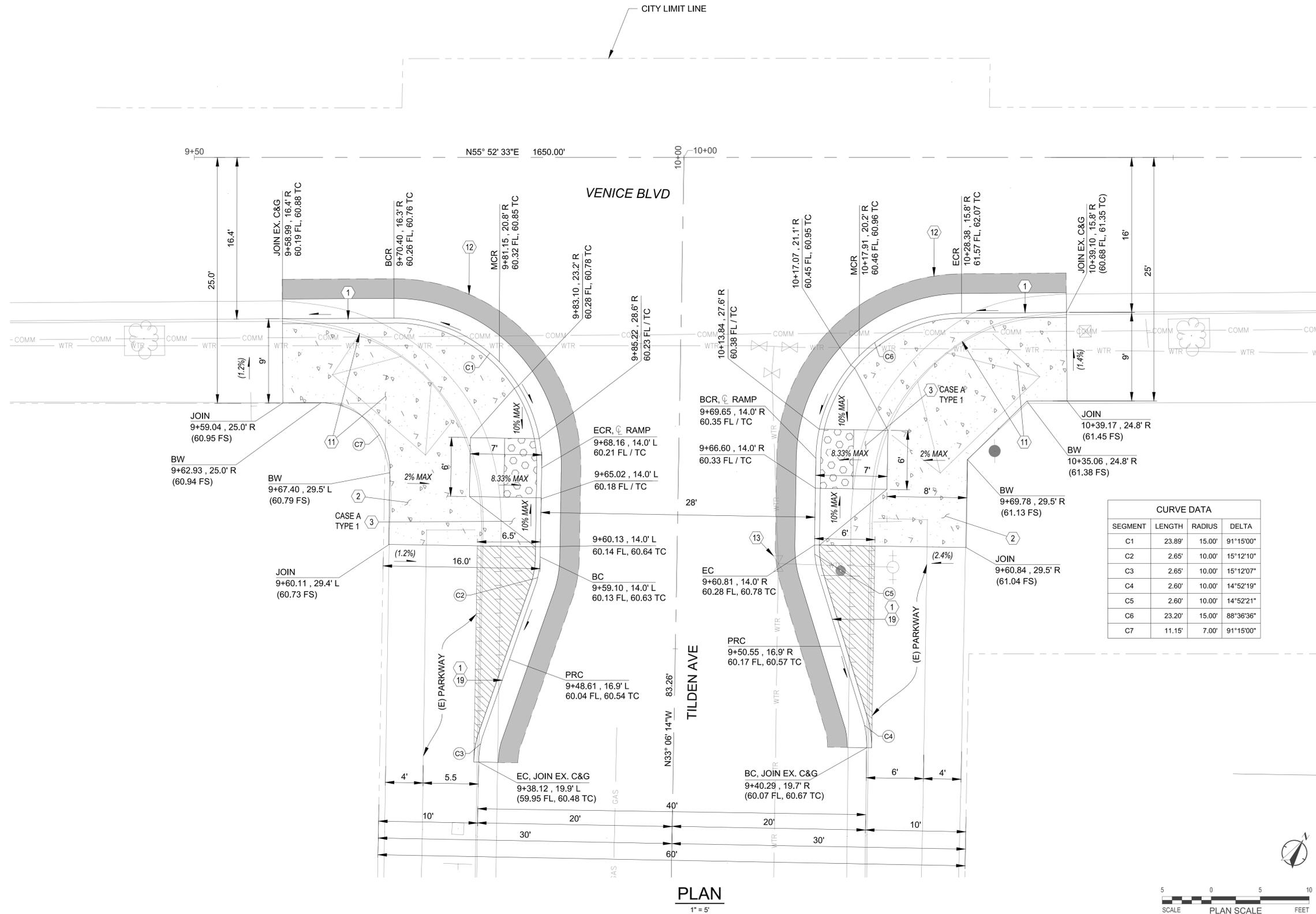
CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE	PROJECT NO.
GENERAL NOTES	PL-006
G-2	SHEET 3 OF 61

PLAN NO. 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



- ### SHEET KEYNOTES
- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
 - ⑰ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

- ### NOTES:
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

- ### LEGEND:
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW 3" THICK TYPE I MULCH
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW AC PAVEMENT

PLAN
1" = 5'



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
VENICE BLVD/ TILDEN AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-01-VL-TI
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

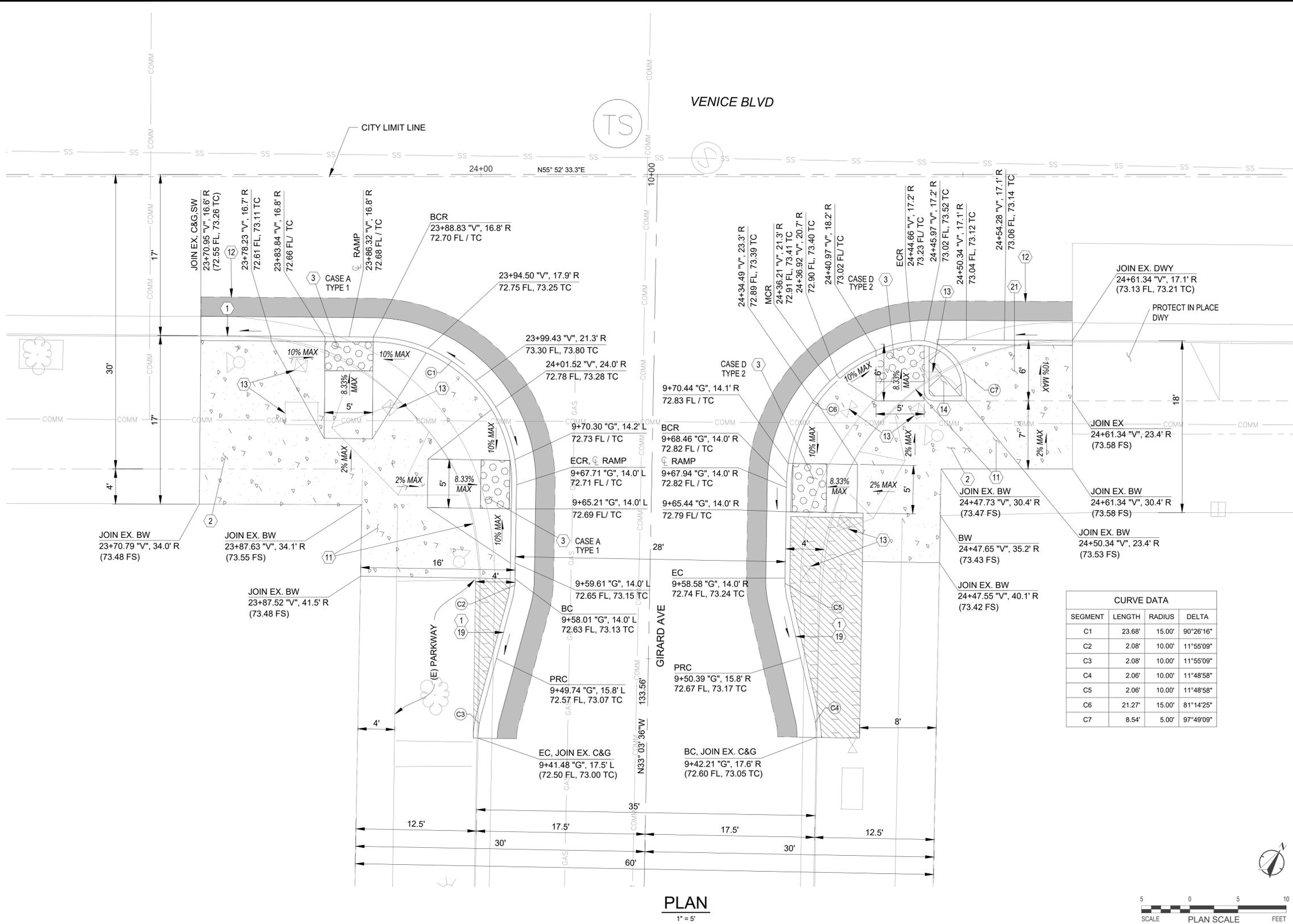


NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

SHEET TITLE: CONSTRUCTION DETAILS CD-1
PROJECT NO: PL-006
SHEET 4 OF 61

PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	23.68'	15.00'	90°26'16"
C2	2.08'	10.00'	11°55'09"
C3	2.08'	10.00'	11°55'09"
C4	2.06'	10.00'	11°48'58"
C5	2.06'	10.00'	11°48'58"
C6	21.27'	15.00'	81°14'25"
C7	8.54'	5.00'	97°49'09"



SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- ⑰ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3
- ⑲ CONSTRUCT DRIVEWAY APPROACH OVER 8" CMB PER SPPWC SYD PLAN 110-2 (TYPE C)

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.
 5. EXISTING TRAFFIC LOOPS AND STUBOUT SHALL BE RESTORED IN KIND TO MATCH EXISTING. (SEE STRIPING PLANS FOR EXISTING LOCATION AND RESTORATION NOTES)

- LEGEND:**
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW 3" THICK TYPE I MULCH
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW AC PAVEMENT
 - NEW CONCRETE PAVERS

ADDENDUM NO. 3

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
VENICE BLVD/ GIRARD AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-03-VL-GI
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/25/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
3/25/20
DATE



PRIME CONSULTANT
alta
PLANNING + DESIGN
www.altaplanning.com

REVIEWED BY:
REVIEWED BY:

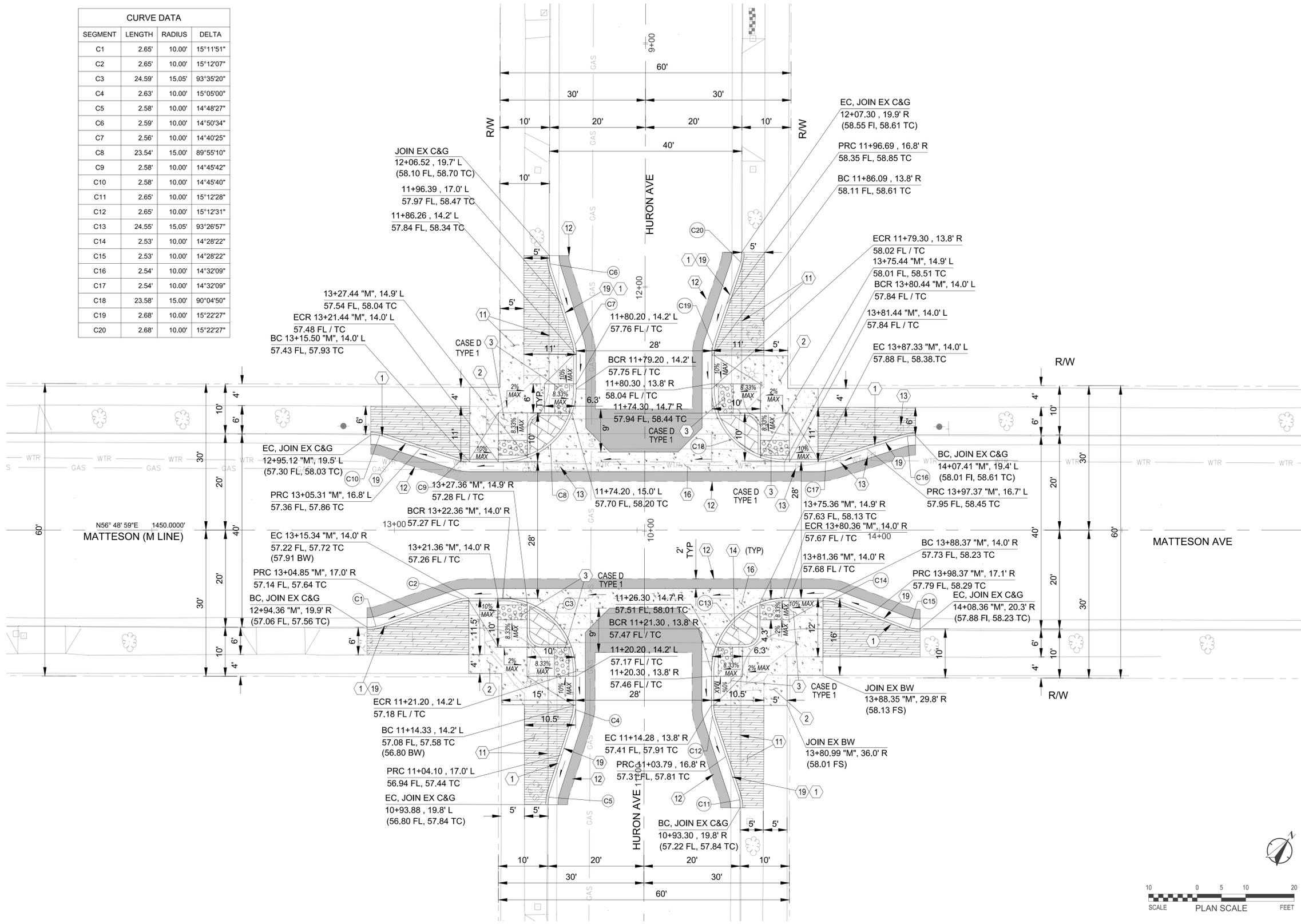


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE: **CONSTRUCTION DETAILS**
PROJECT NO: **PL-006**
SHEET: **6 OF 61**

PLAN NO.: 5049-21B

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	2.65'	10.00'	15°11'51"
C2	2.65'	10.00'	15°12'07"
C3	24.59'	15.05'	93°35'20"
C4	2.63'	10.00'	15°05'00"
C5	2.58'	10.00'	14°48'27"
C6	2.59'	10.00'	14°50'34"
C7	2.56'	10.00'	14°40'25"
C8	23.54'	15.00'	89°55'10"
C9	2.58'	10.00'	14°45'42"
C10	2.58'	10.00'	14°45'40"
C11	2.65'	10.00'	15°12'28"
C12	2.65'	10.00'	15°12'31"
C13	24.55'	15.05'	93°26'57"
C14	2.53'	10.00'	14°28'22"
C15	2.53'	10.00'	14°28'22"
C16	2.54'	10.00'	14°32'09"
C17	2.54'	10.00'	14°32'09"
C18	23.58'	15.00'	90°04'50"
C19	2.68'	10.00'	15°22'27"
C20	2.68'	10.00'	15°22'27"



PLAN
1" = 10'

SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- ⑯ CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- ⑰ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

NOTES:

- 1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
---	SAWCUT LINE
	NEW 3" THICK TYPE I MULCH
	NEW DETECTABLE WARNING SURFACE
	NEW PCC SIDEWALK / DRIVEWAY
	NEW CONCRETE PAVERS
	NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
MATTESON AVE/ HURON AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-05-ML-HU
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



PRIME CONSULTANT
REVIEWED BY:
R.C.E. NO.
DATE
R.C.E. NO.
DATE



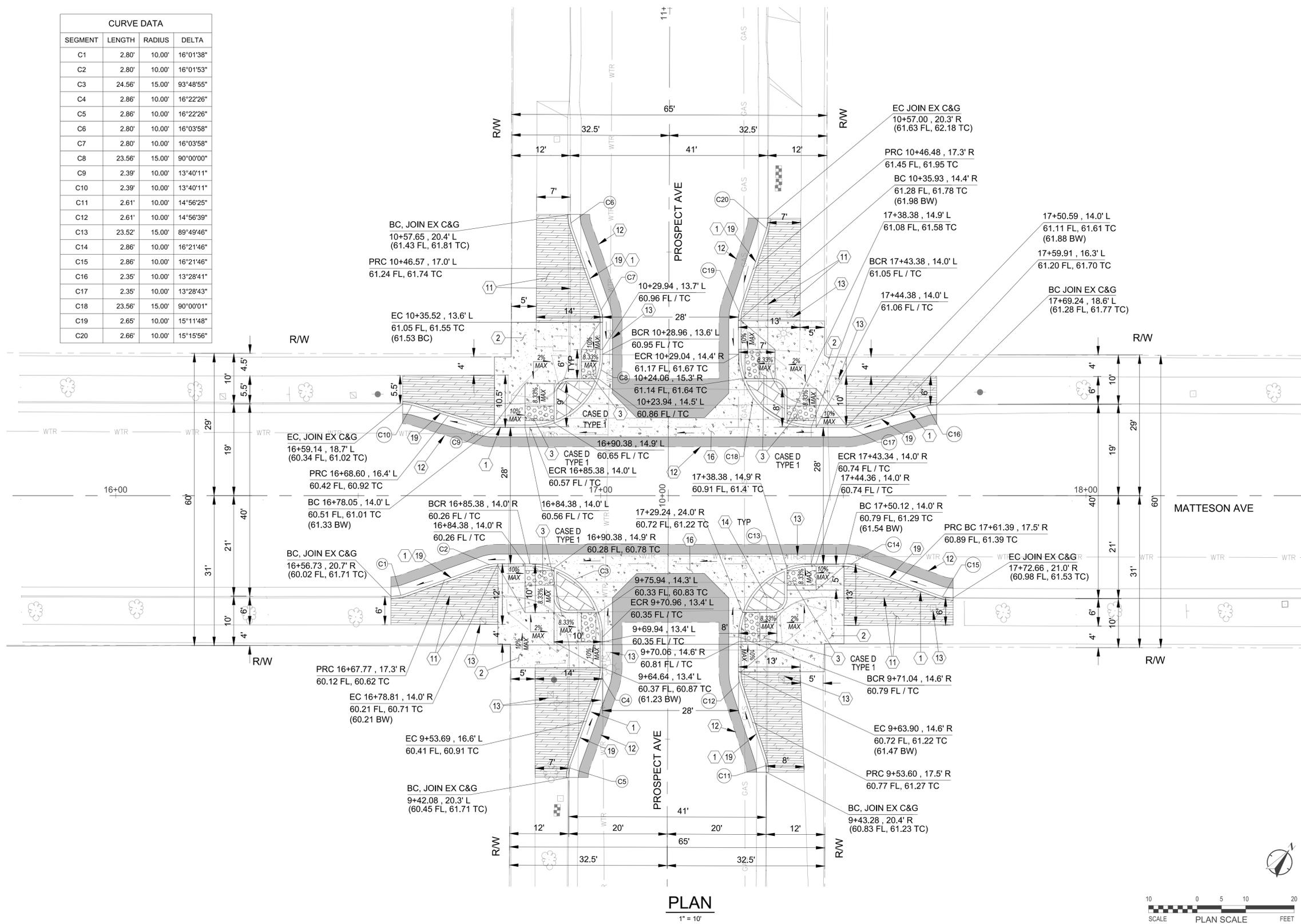
NO.	REVISION	BY	APPR.	DATE

SHEET TITLE CONSTRUCTION DETAILS	PROJECT NO. PL-006
CD-5	SHEET 8 OF 61

PLAN NO.: 5049-21B

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	2.80'	10.00'	16°01'38"
C2	2.80'	10.00'	16°01'53"
C3	24.56'	15.00'	93°48'55"
C4	2.86'	10.00'	16°22'26"
C5	2.86'	10.00'	16°22'26"
C6	2.80'	10.00'	16°03'58"
C7	2.80'	10.00'	16°03'58"
C8	23.56'	15.00'	90°00'00"
C9	2.39'	10.00'	13°40'11"
C10	2.39'	10.00'	13°40'11"
C11	2.61'	10.00'	14°56'25"
C12	2.61'	10.00'	14°56'39"
C13	23.52'	15.00'	89°49'46"
C14	2.86'	10.00'	16°21'46"
C15	2.86'	10.00'	16°21'46"
C16	2.35'	10.00'	13°28'41"
C17	2.35'	10.00'	13°28'43"
C18	23.56'	15.00'	90°00'01"
C19	2.65'	10.00'	15°11'48"
C20	2.66'	10.00'	15°15'56"

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



PLAN
1" = 10'



SHEET KEYNOTES

- CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- NEW 3" THICK TYPE I MULCH
- NEW DETECTABLE WARNING SURFACE
- NEW PCC SIDEWALK / DRIVEWAY
- NEW CONCRETE PAVERS
- NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
MATTESON AVE/ PROSPECT AVE

SHEET TITLE: **CONSTRUCTION DETAILS** PROJECT NO.: **PL-006**

NO. REVISION BY APPR. DATE

CD-6 SHEET 9 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-06-ML-PR
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

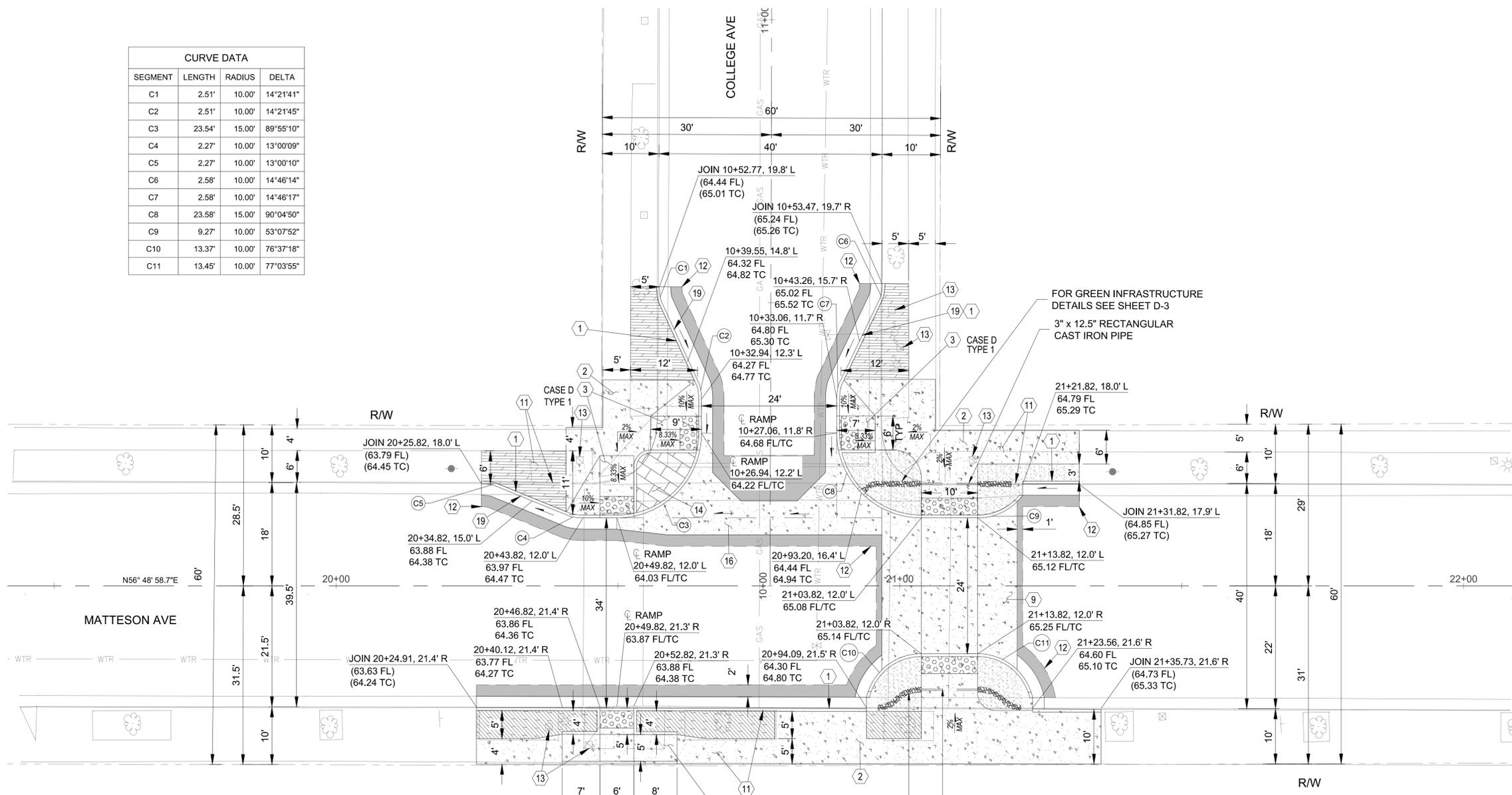
R.C.E. NO.
DATE
R.C.E. NO.
DATE



1				
2				
3				
NO.	REVISION	BY	APPR.	DATE

PLAN NO.: 5049-21B

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	2.51'	10.00'	14°21'41"
C2	2.51'	10.00'	14°21'45"
C3	23.54'	15.00'	89°55'10"
C4	2.27'	10.00'	13°00'09"
C5	2.27'	10.00'	13°00'10"
C6	2.58'	10.00'	14°46'14"
C7	2.58'	10.00'	14°46'17"
C8	23.58'	15.00'	90°04'50"
C9	9.27'	10.00'	53°07'52"
C10	13.37'	10.00'	76°37'18"
C11	13.45'	10.00'	77°03'55"



PLAN
1" = 10'

SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑦ CONSTRUCT CURB RAMP PER DETAIL 1, SHEET D-1
- ⑨ CONSTRUCT RAISED CROSSWALK PER DETAIL 5, SHEET D-1
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- ⑯ CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- ⑰ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

- NOTES:**
- FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 - FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 - EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 - THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
---	SAWCUT LINE
[Pattern]	NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
[Pattern]	NEW 3" THICK TYPE I MULCH
[Pattern]	NEW DETECTABLE WARNING SURFACE
[Pattern]	NEW PCC SIDEWALK / DRIVEWAY
[Pattern]	NEW CONCRETE PAVERS
[Pattern]	NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
MATTESON AVE/ COLLEGE AVE

SHEET TITLE	PROJECT NO.
CONSTRUCTION DETAILS	PL-006
CD-7	SHEET 10 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-07-ML-CO
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



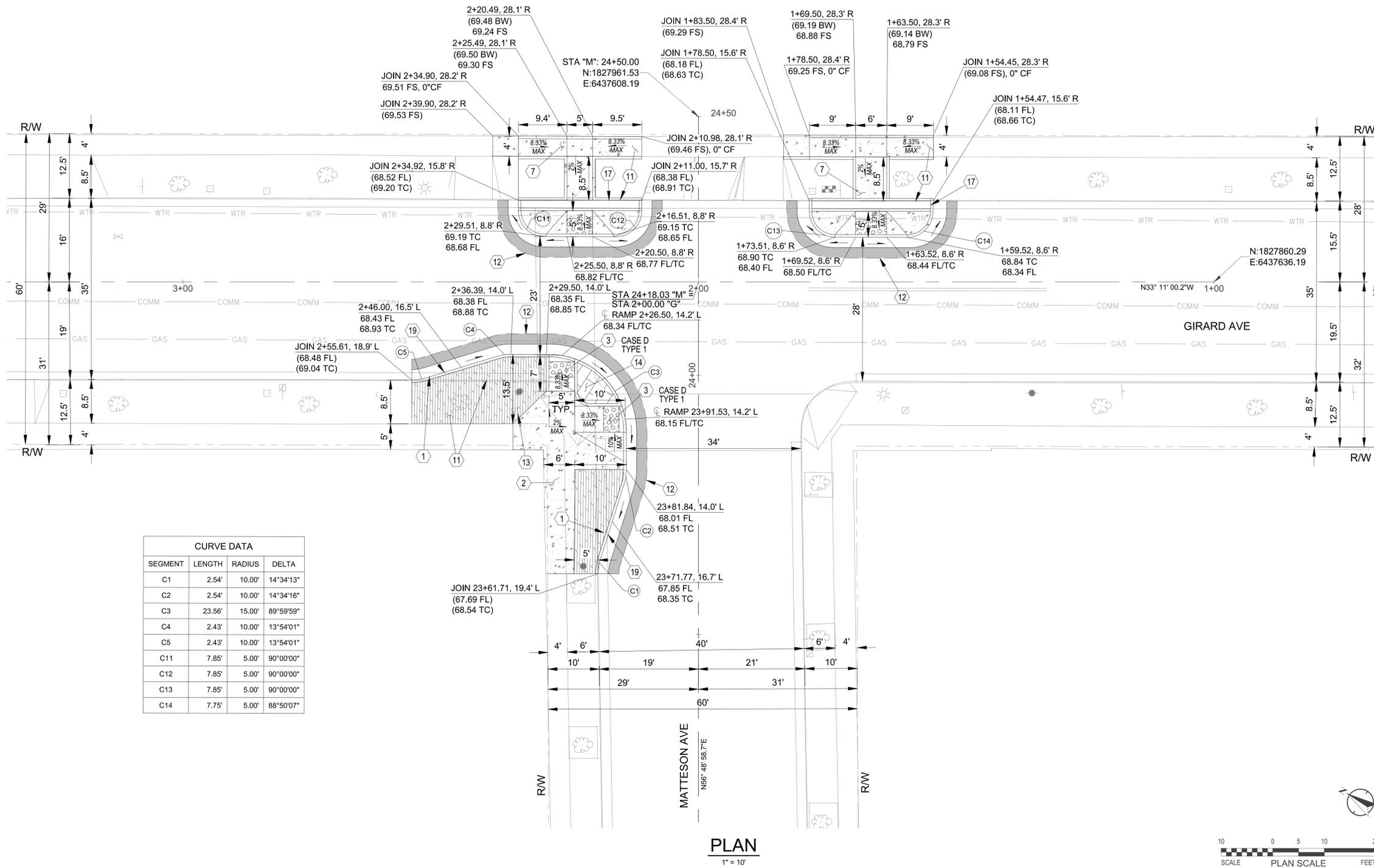
PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:



NO.	REVISION	BY	APPR.	DATE

PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



PLAN
1" = 10'



- SHEET KEYNOTES**
- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - ⑦ CONSTRUCT CURB RAMP PER DETAIL 1, SHEET D-1
 - ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
 - ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
 - ⑰ CONSTRUCT TRENCH DRAIN PER DETAIL 8, SHEET D-1
 - ⑲ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

- LEGEND:**
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW 3" THICK TYPE I MULCH
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW CONCRETE PAVERS
 - NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
MATTESON AVE/ GIRARD AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-08-ML-GI
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

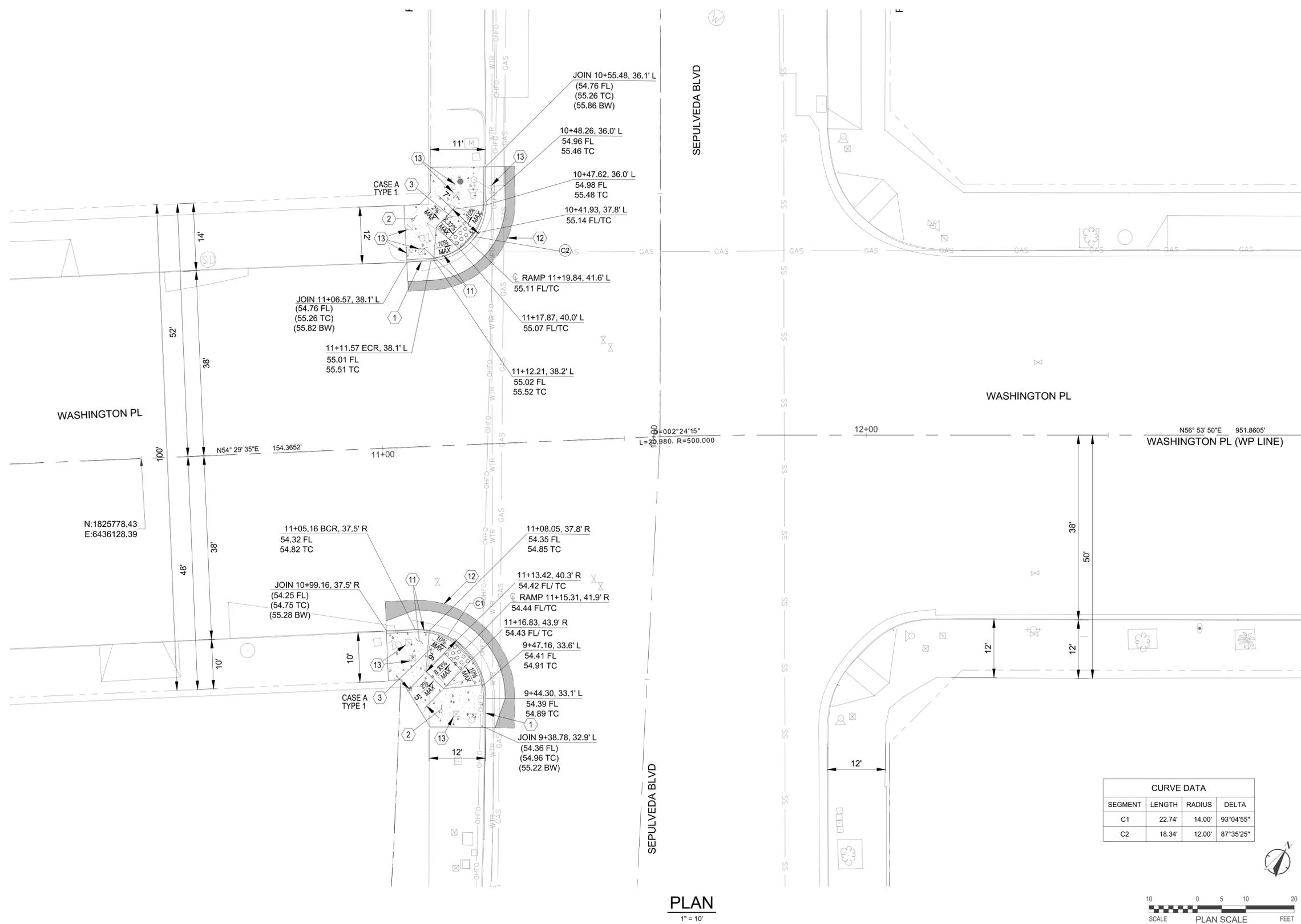


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NO: PL-006
SHEET 11 OF 61

PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



PLAN
1" = 10'

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	22.74'	14.00'	93°04'55"
C2	18.34'	12.00'	87°35'25"



- SHEET KEYNOTES**
- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX

**REFERENCE ONLY,
CONSTRUCT BY OTHERS**

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

- LEGEND:**
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
SEPULVEDA BLVD/ WASHINGTON PL



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-9-WP-SE
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20
DATE



REVIEWED BY:

REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE



NO.	REVISION	BY	APPR.	DATE

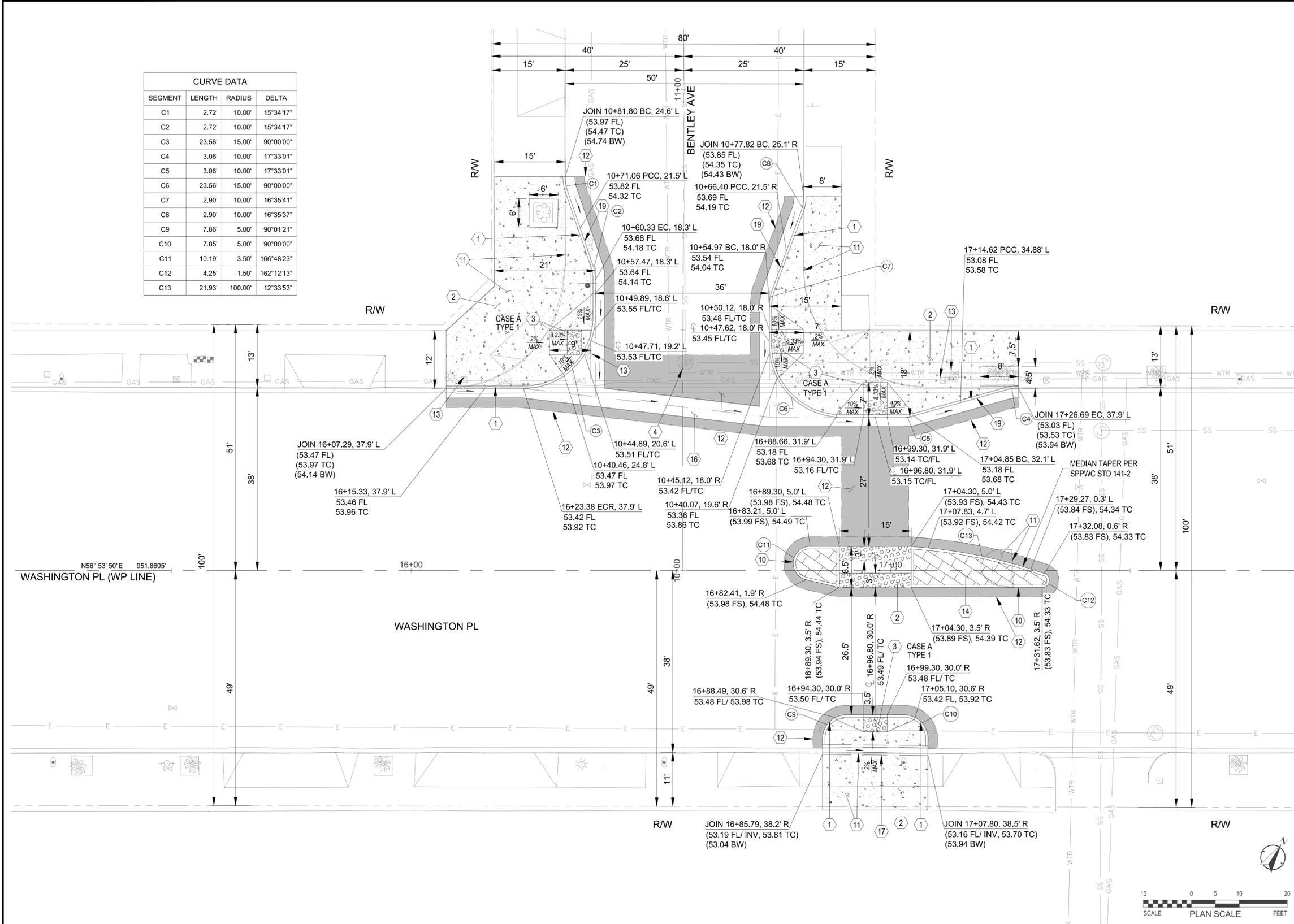
SHEET TITLE
CONSTRUCTION DETAILS **CD-9**

PROJECT NO:
PL-006

SHEET 12 OF 61

PLAN NO. 5049-21B

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	2.72'	10.00'	15°34'17"
C2	2.72'	10.00'	15°34'17"
C3	23.56'	15.00'	90°00'00"
C4	3.06'	10.00'	17°33'01"
C5	3.06'	10.00'	17°33'01"
C6	23.56'	15.00'	90°00'00"
C7	2.90'	10.00'	16°35'41"
C8	2.90'	10.00'	16°35'37"
C9	7.86'	5.00'	90°01'21"
C10	7.85'	5.00'	90°00'00"
C11	10.19'	3.50'	166°48'23"
C12	4.25'	1.50'	162°12'13"
C13	21.93'	100.00'	12°33'53"



PLAN
1" = 10'

SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ④ ADJUST TO GRADE VAULT AND MANHOLE
- ⑩ CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- ⑯ CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- ⑰ CONSTRUCT TRENCH DRAIN PER DETAIL 8, SHEET D-1
- ⑱ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

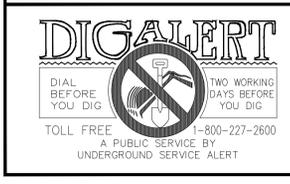
LEGEND:

X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
---	SAWCUT LINE
[Pattern]	NEW DETECTABLE WARNING SURFACE
[Pattern]	NEW PCC SIDEWALK / DRIVEWAY
[Pattern]	NEW CONCRETE PAVERS
[Pattern]	NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON PL/ BENTLEY AVE

SHEET TITLE	PROJECT NO.
CONSTRUCTION DETAILS	PL-006
CD-10	SHEET 13 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-10-WP-BE
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
3/20/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

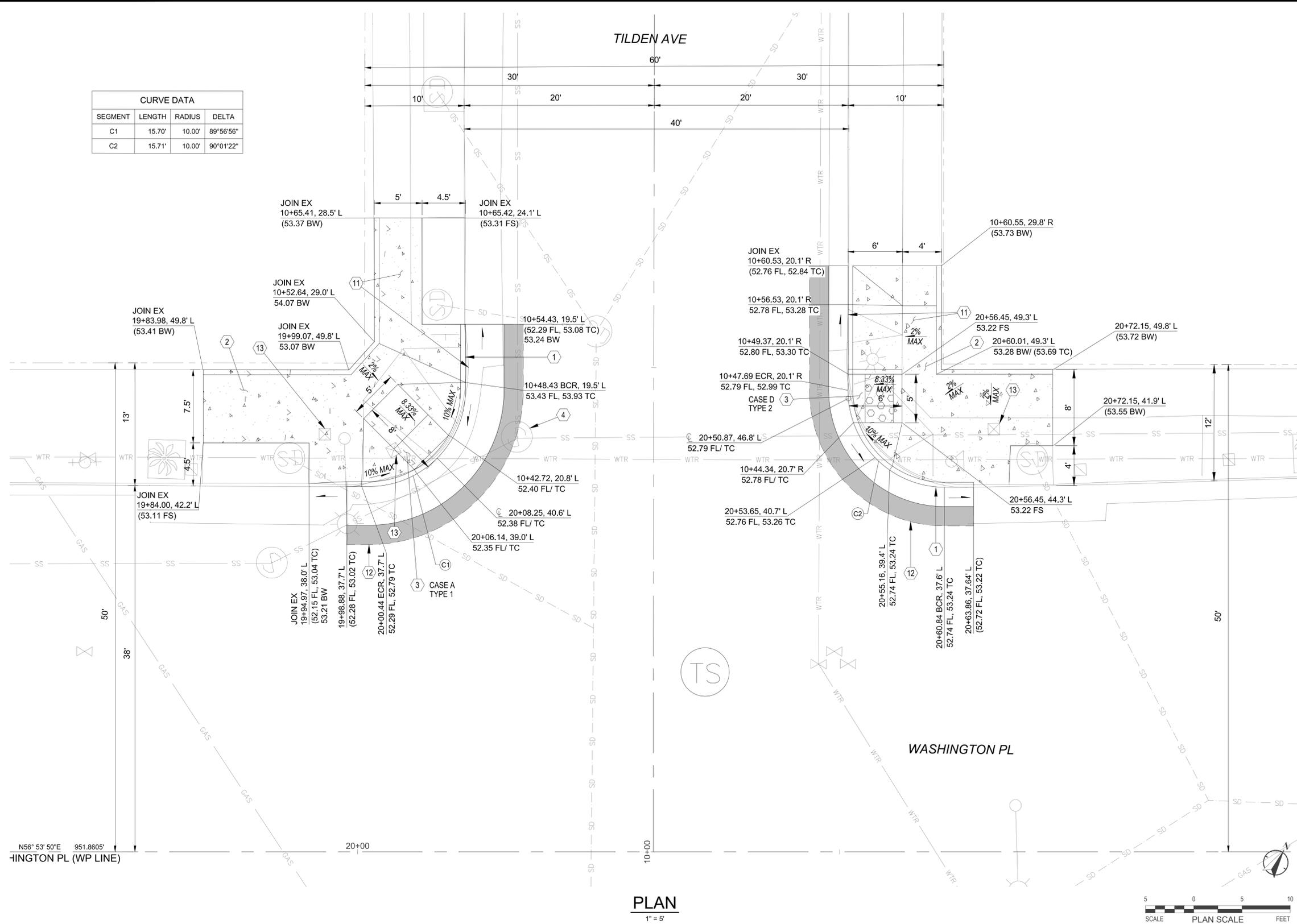


R.C.E. NO.	DATE	R.C.E. NO.	DATE
NO.	REVISION	BY	APPR. DATE

PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	15.70'	10.00'	89°56'56"
C2	15.71'	10.00'	90°01'22"



PLAN
1" = 5'



SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ④ ADJUST TO GRADE VAULT AND MANHOLE
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX

NOTES:

- 1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.
- 5. EXISTING TRAFFIC LOOPS AND STUBOUT SHALL BE RESTORED IN KIND TO MATCH EXISTING. (SEE STRIPING PLANS FOR EXISTING LOCATION AND RESTORATION NOTES)

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- [Symbol] NEW DETECTABLE WARNING SURFACE
- [Symbol] NEW PCC SIDEWALK / DRIVEWAY
- [Symbol] NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON PL/ TILDEN AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-11-WP-TI
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

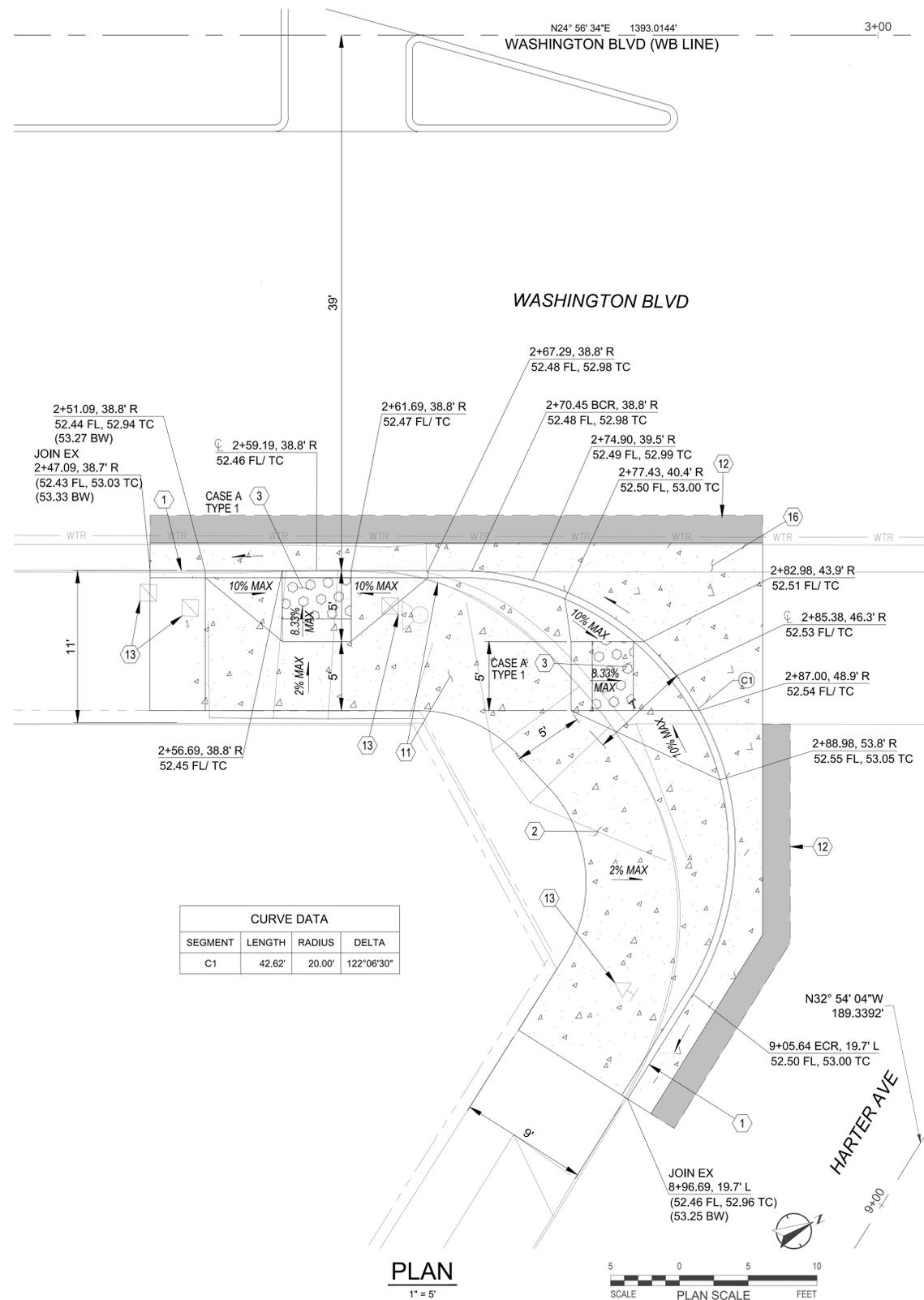


NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

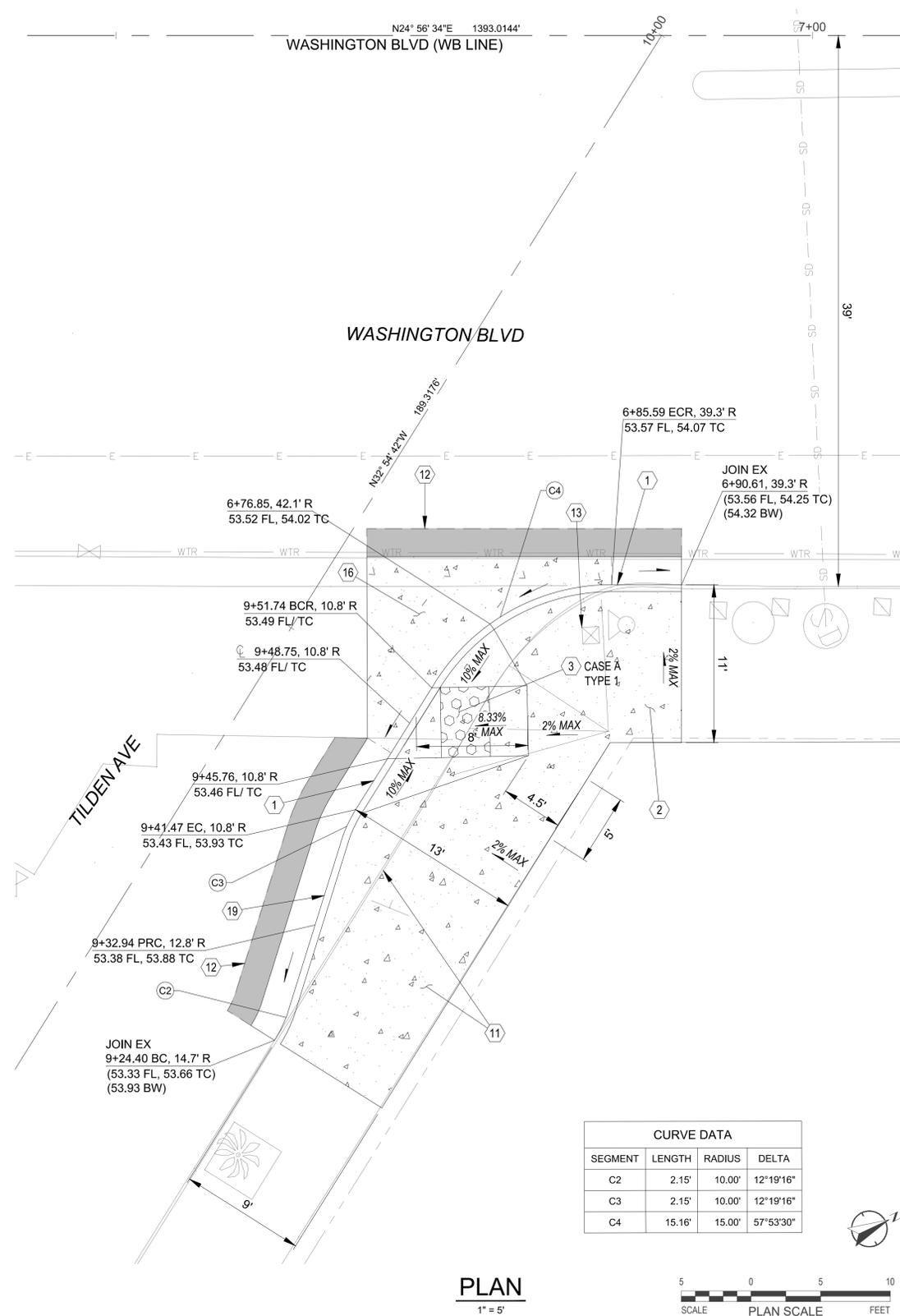
SHEET TITLE: CONSTRUCTION DETAILS CD-11
PROJECT NO: PL-006
SHEET 14 OF 61

PLAN NO. 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	42.62'	20.00'	122°06'30"



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C2	2.15'	10.00'	12°19'16"
C3	2.15'	10.00'	12°19'16"
C4	15.16'	15.00'	57°53'30"

SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑯ CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- ⑰ CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

NOTES:

- 1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- [Symbol] NEW DETECTABLE WARNING SURFACE
- [Symbol] NEW PCC SIDEWALK / DRIVEWAY
- [Symbol] NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON BLVD/ HARTER AVE
WASHINGTON BLVD/ TILDEN AVE

SHEET TITLE	PROJECT NO.
CONSTRUCTION DETAILS	PL-006
CD-12	SHEET 15 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-12-WB-HA
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



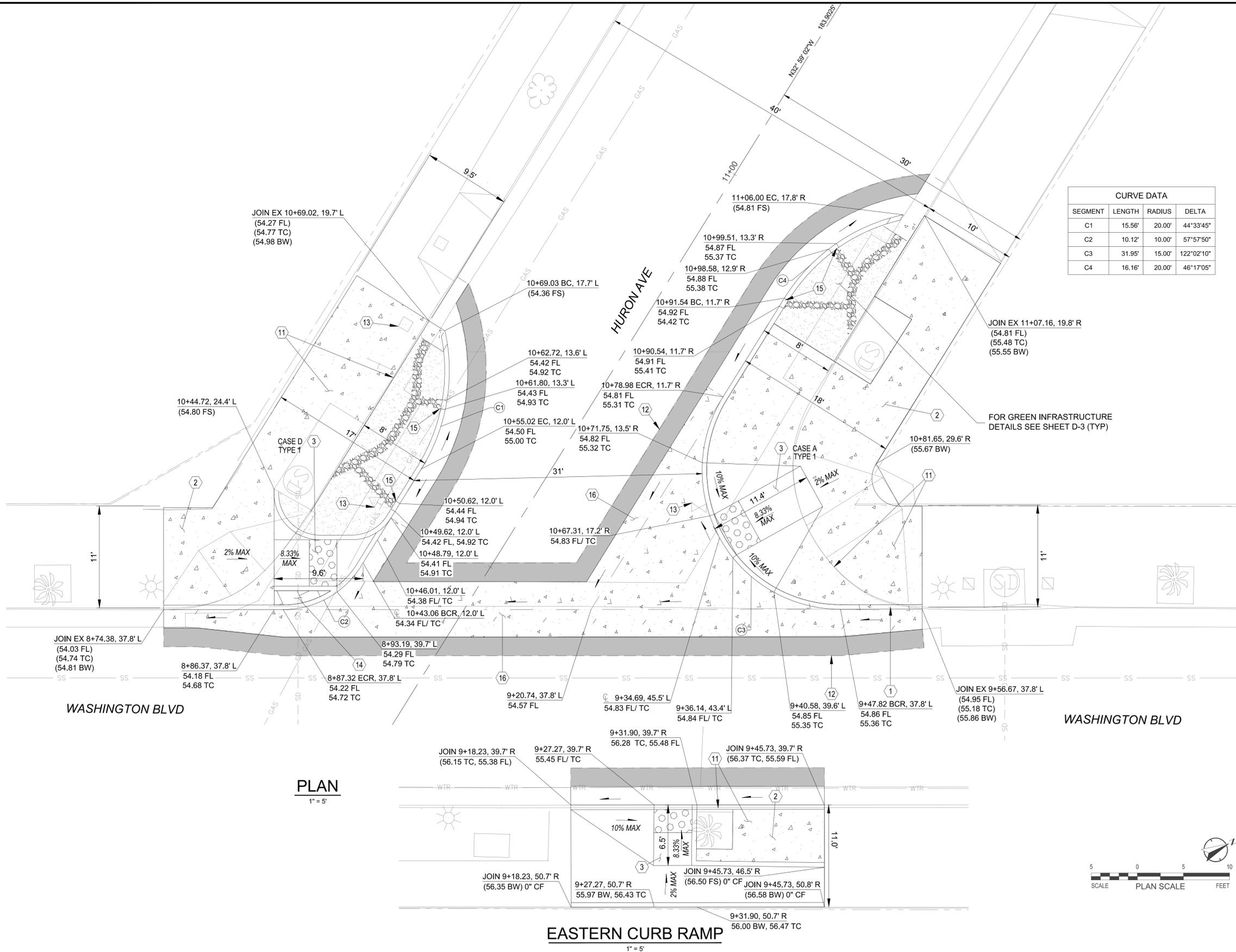
PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:
R.C.E. NO.
DATE
R.C.E. NO.
DATE



①				
②				
③				
NO.	REVISION	BY	APPR.	DATE

PLAN NO. 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	15.56'	20.00'	44°33'45"
C2	10.12'	10.00'	57°57'50"
C3	31.95'	15.00'	122°02'10"
C4	16.16'	20.00'	46°17'05"

- SHEET KEYNOTES**
- 1 CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - 2 CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - 3 CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - 11 REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - 12 SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - 13 ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
 - 14 CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
 - 15 CONSTRUCT CURB CUT PER DETAIL 7, SHEET D-1
 - 16 CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

- LEGEND:**
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW CONCRETE PAVERS
 - NEW AC PAVEMENT

PLAN
1" = 5'

EASTERN CURB RAMP
1" = 5'

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-13-WB-HU
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



REVIEWED BY:

REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE



NO.	REVISION	BY	APPR.	DATE

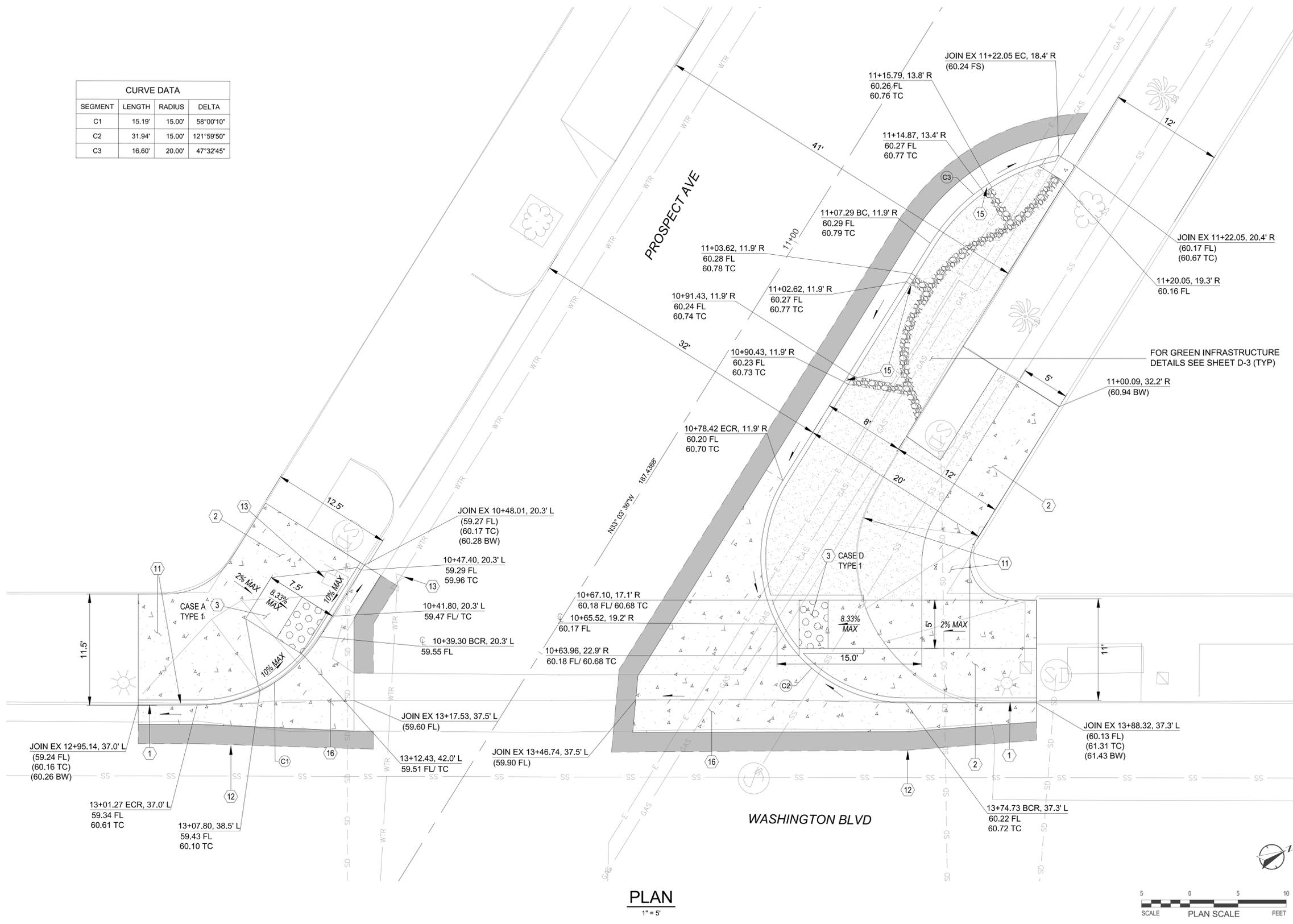
LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON BLVD/ HURON AVE

SHEET TITLE: **CONSTRUCTION DETAILS** CD-13
PROJECT NO: **PL-006**
SHEET 16 OF 61

PLAN NO.: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	15.19'	15.00'	58°00'10"
C2	31.94'	15.00'	121°59'50"
C3	16.60'	20.00'	47°32'45"



PLAN
1" = 5'



SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑮ CONSTRUCT CURB CUT PER DETAIL 7, SHEET D-1
- ⑯ CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2

NOTES:

- 1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POT HOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- [Pattern] NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
- [Pattern] NEW DETECTABLE WARNING SURFACE
- [Pattern] NEW PCC SIDEWALK / DRIVEWAY
- [Pattern] NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON BLVD/ PROSPECT AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-14-WB-PR
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

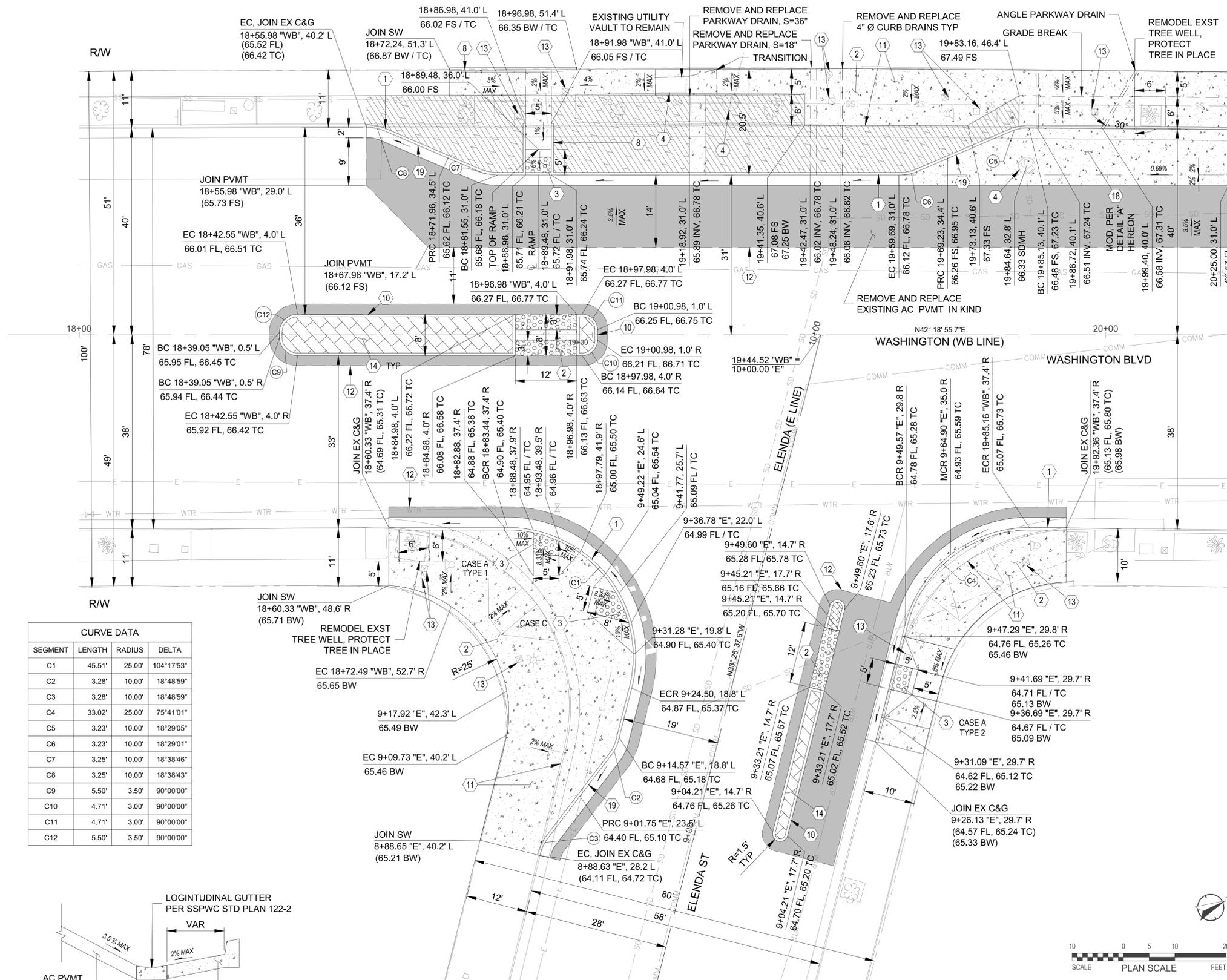


NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

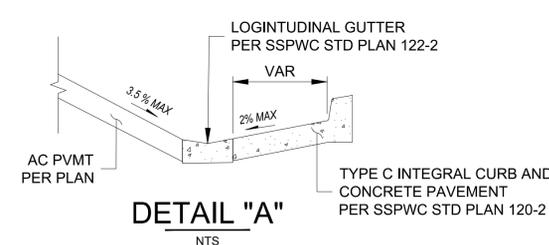
SHEET TITLE CONSTRUCTION DETAILS	PROJECT NO. PL-006
CD-14	SHEET 17 OF 61

PLAN NO.: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	45.51'	25.00'	104°17'53"
C2	3.28'	10.00'	18°48'59"
C3	3.28'	10.00'	18°48'59"
C4	33.02'	25.00'	75°41'01"
C5	3.23'	10.00'	18°29'05"
C6	3.23'	10.00'	18°29'01"
C7	3.25'	10.00'	18°38'46"
C8	3.25'	10.00'	18°38'43"
C9	5.50'	3.50'	90°00'00"
C10	4.71'	3.00'	90°00'00"
C11	4.71'	3.00'	90°00'00"
C12	5.50'	3.50'	90°00'00"



SHEET KEYNOTES

- CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ADJUST TO GRADE VAULT AND MANHOLE
- CONSTRUCT RETAINING CURB PER DETAIL 2, SHEET D-1
- CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
- REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- CONSTRUCT 10" PCC PAVEMENT OVER 6" CMB
- CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
- FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
- EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- NEW 3" THICK TYPE I MULCH
- NEW DETECTABLE WARNING SURFACE
- NEW PCC SIDEWALK / DRIVEWAY
- NEW CONCRETE PAVERS
- NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON BLVD/ ELENDA ST

MATCH LINE - STA 21+75
SEE SHEET CD-16



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-15-WB-EL1
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



REVIEWED BY:
REVIEWED BY:



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

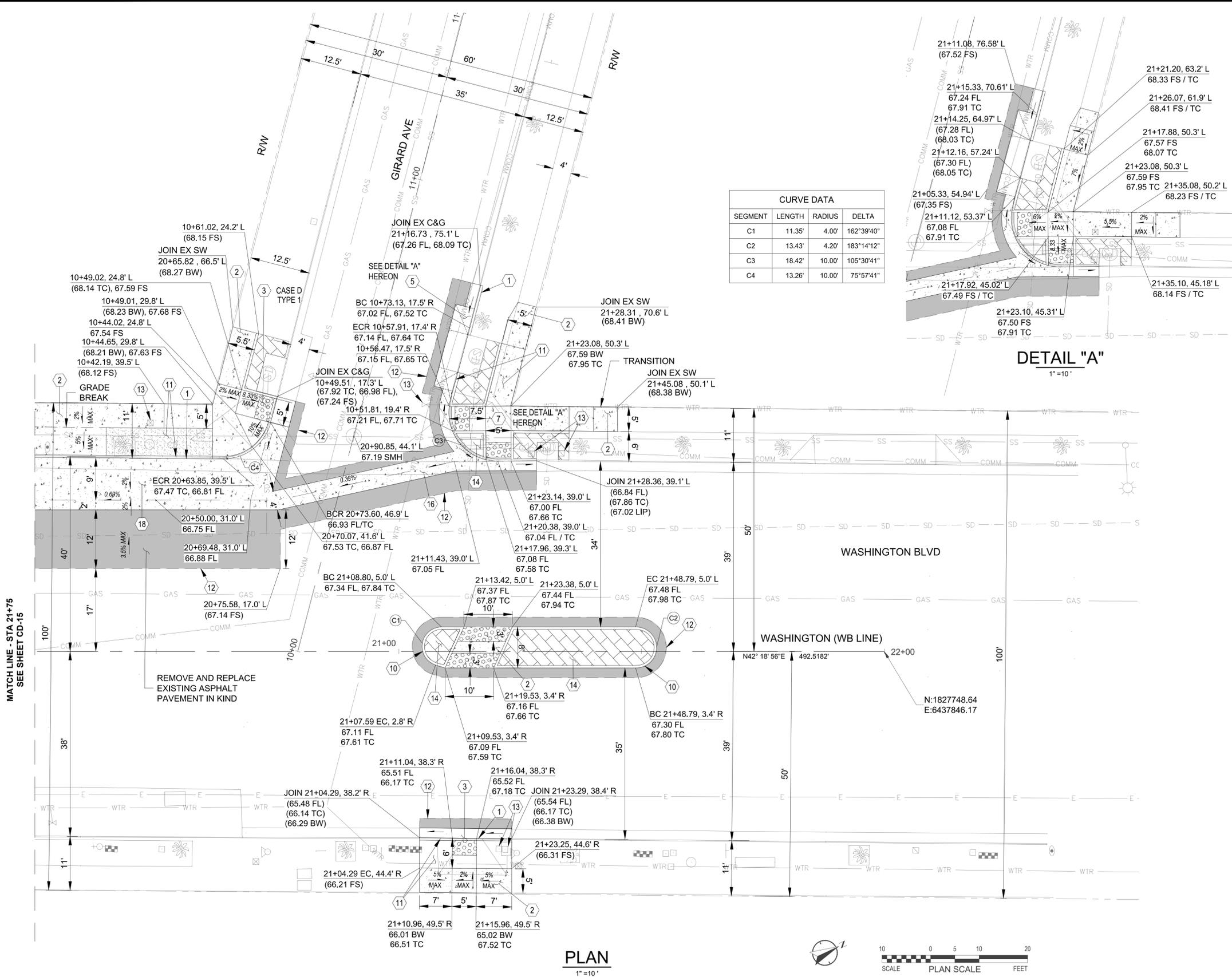
SHEET TITLE: CONSTRUCTION DETAILS CD-15

PROJECT NO: PL-006

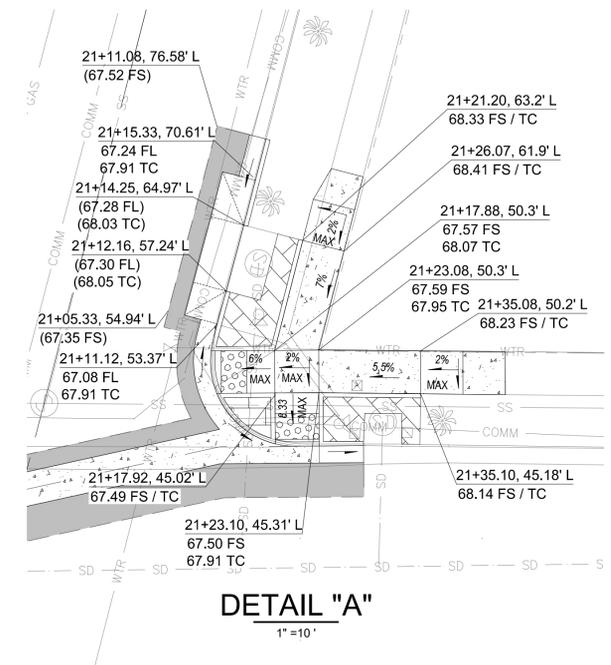
SHEET 18 OF 61

PLAN NO.: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	11.35'	4.00'	162°39'40"
C2	13.43'	4.20'	183°14'12"
C3	18.42'	10.00'	105°30'41"
C4	13.26'	10.00'	75°57'41"



SHEET KEYNOTES

- 1 CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- 2 CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- 3 CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- 5 CONSTRUCT LOCAL DEPRESSIONS AT CATCH BASIN PER SPPWC STD PLAN 313-3
- 7 CONSTRUCT CURB RAMP PER DETAIL 1, SHEET D-1
- 10 CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
- 11 REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- 12 SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- 13 ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- 14 CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- 16 CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
- 18 CONSTRUCT 10" PCC PAVEMENT OVER 6" CMB

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

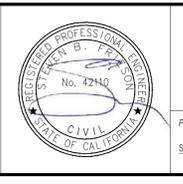
X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
---	SAWCUT LINE
[Pattern]	NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
[Pattern]	NEW 3" THICK TYPE I MULCH
[Pattern]	NEW DETECTABLE WARNING SURFACE
[Pattern]	NEW PCC SIDEWALK / DRIVEWAY
[Pattern]	NEW CONCRETE PAVERS
[Pattern]	NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL WASHINGTON BLVD/ GIRARD AVE	
SHEET TITLE CONSTRUCTION DETAILS	PROJECT NO. PL-006
CD-16	SHEET 19 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-16-WB-EL2
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



PRIME CONSULTANT
alta
PLANNING + DESIGN
www.altaplanning.com

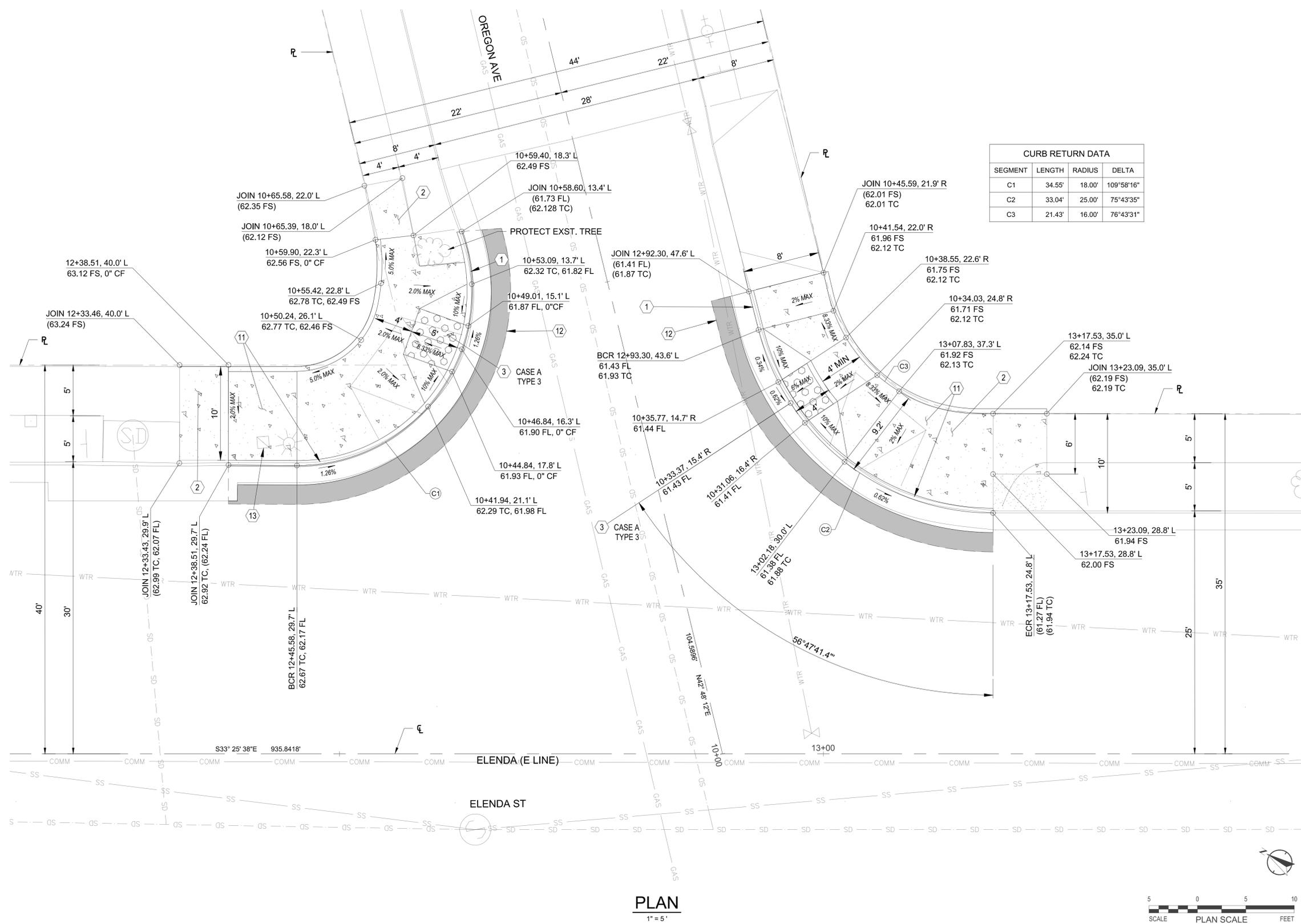
REVIEWED BY:
REVIEWED BY:



R.C.E. NO.	DATE	R.C.E. NO.	DATE
NO.	REVISION	BY	APPR. DATE

PLAN NO. 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURB RETURN DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	34.55'	18.00'	109°58'16"
C2	33.04'	25.00'	75°43'35"
C3	21.43'	16.00'	76°43'31"

- SHEET KEYNOTES**
- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX

- NOTES:**
1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

X.XX TC	TOP OF CURB ELEVATION
X.XX FL	FLOWLINE ELEVATION
X.XX FS	FINISHED SURFACE ELEVATION
(X.XX FS)	EXISTING ELEVATION (MATCH EXISTING ELEVATION)
X.XX	PROPOSED SLOPE
(X.XX)	EXISTING SLOPE
---	SAWCUT LINE
	NEW DETECTABLE WARNING SURFACE
	NEW PCC SIDEWALK / DRIVEWAY
	NEW AC PAVEMENT

PLAN
1" = 5'



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
ELENDA ST/ OREGON AVE

SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NO.: PL-006
SHEET 20 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-17-EL-OR
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20
DATE



REVIEWED BY:
REVIEWED BY:
R.C.E. NO.
DATE
R.C.E. NO.
DATE

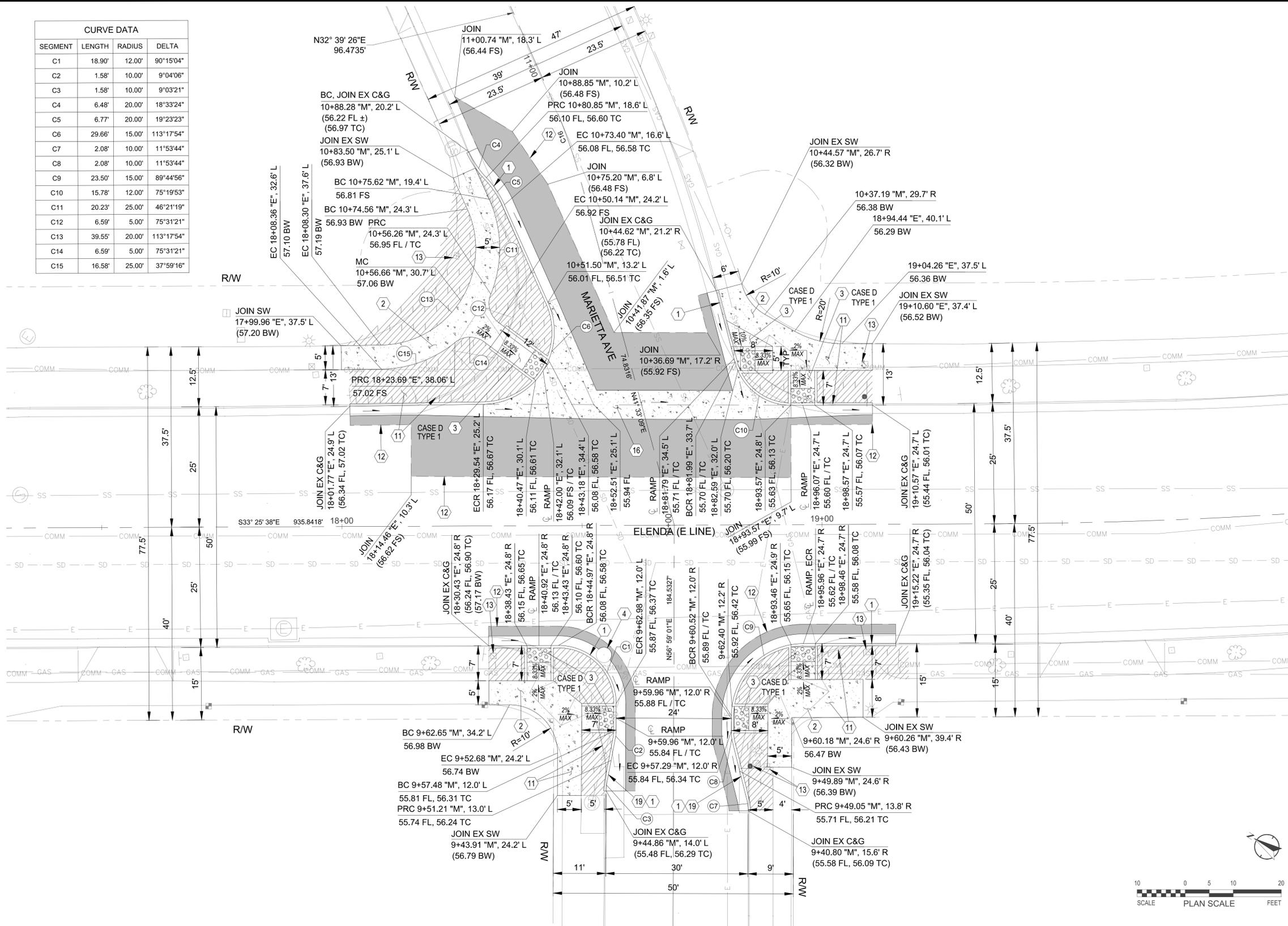


NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	18.90'	12.00'	90°15'04"
C2	1.58'	10.00'	9°04'06"
C3	1.58'	10.00'	9°03'21"
C4	6.48'	20.00'	18°33'24"
C5	6.77'	20.00'	19°23'23"
C6	29.66'	15.00'	113°17'54"
C7	2.08'	10.00'	11°53'44"
C8	2.08'	10.00'	11°53'44"
C9	23.50'	15.00'	89°44'56"
C10	15.78'	12.00'	75°19'53"
C11	20.23'	25.00'	46°21'19"
C12	6.59'	5.00'	75°31'21"
C13	39.55'	20.00'	113°17'54"
C14	6.59'	5.00'	75°31'21"
C15	16.58'	25.00'	37°59'16"



PLAN
1" = 10'



- ### SHEET KEYNOTES
- CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
 - CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
 - CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
 - ADJUST TO GRADE VAULT AND MANHOLE
 - CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
 - REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
 - SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
 - ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
 - CONSTRUCT CURB CUT PER DETAIL 7, SHEET D-1
 - CONSTRUCT CROSS GUTTER OVER 8" CMB PER SPPWC STD PLAN 122-2
 - CONSTRUCT TAPER PER SPPWC STD PLAN 140-3

- ### NOTES:
- FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
 - FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
 - EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
 - THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

- ### LEGEND:
- X.XX TC TOP OF CURB ELEVATION
 - X.XX FL FLOWLINE ELEVATION
 - X.XX FS FINISHED SURFACE ELEVATION
 - (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
 - X.XX PROPOSED SLOPE
 - (X.XX) EXISTING SLOPE
 - SAWCUT LINE
 - NEW 3" THICK TYPE I MULCH
 - NEW DETECTABLE WARNING SURFACE
 - NEW PCC SIDEWALK / DRIVEWAY
 - NEW AC PAVEMENT

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
ELENDA ST/ MARIETTA AVE



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-18-EL-MA
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20 DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

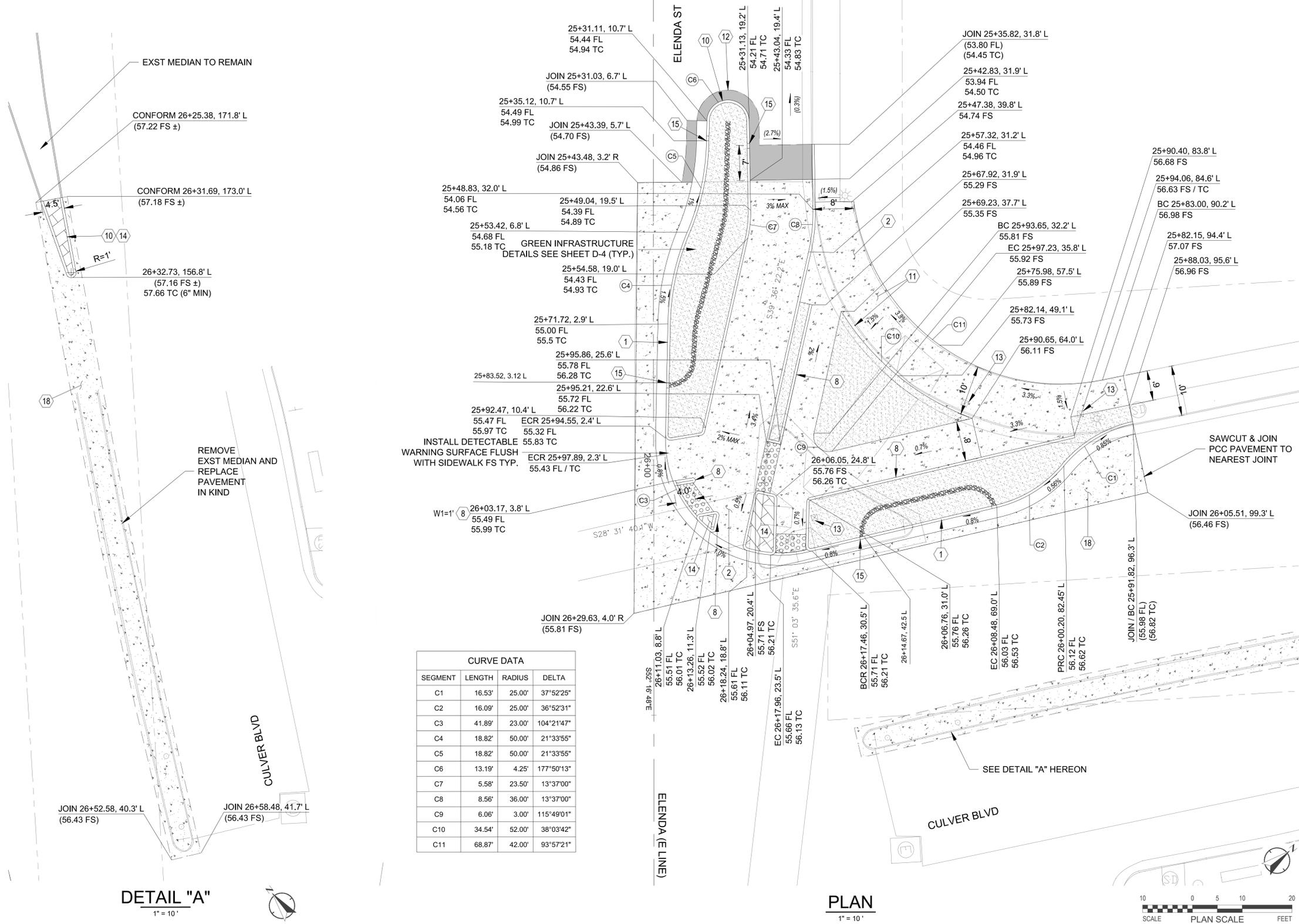


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NO: PL-006
SHEET 21 OF 61

PLAN NO.: 5049-21B

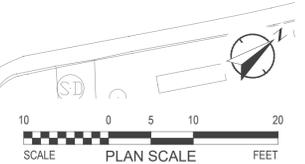
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	16.53'	25.00'	37°52'25"
C2	16.09'	25.00'	36°52'31"
C3	41.89'	23.00'	104°21'47"
C4	18.82'	50.00'	21°33'55"
C5	18.82'	50.00'	21°33'55"
C6	13.19'	4.25'	177°50'13"
C7	5.58'	23.50'	13°37'00"
C8	8.56'	36.00'	13°37'00"
C9	6.06'	3.00'	115°49'01"
C10	34.54'	52.00'	38°03'42"
C11	68.87'	42.00'	93°57'21"

DETAIL "A"
1" = 10'

PLAN
1" = 10'



SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ② CONSTRUCT 4" PCC SIDEWALK OVER 4" CMB PER SPPWC STD PLAN 113-2
- ⑧ CONSTRUCT RETAINING CURB PER DETAIL 2, SHEET D-1
- ⑩ CONSTRUCT MEDIAN CURB PER DETAIL 3, SHEET D-1
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑭ CONSTRUCT CONCRETE PAVERS PER DETAIL 6, SHEET D-1
- ⑮ CONSTRUCT CURB CUT PER DETAIL 7, SHEET D-1
- ⑰ CONSTRUCT 10" PCC PAVEMENT OVER 6" CMB

NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
- NEW DETECTABLE WARNING SURFACE
- NEW PCC SIDEWALK / DRIVEWAY
- NEW CONCRETE PAVERS
- NEW AC PAVEMENT

ADDENDUM NO. 3

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
ELENDA ST/ CULVER BLVD



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-19-EL-CU
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/24/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/24/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

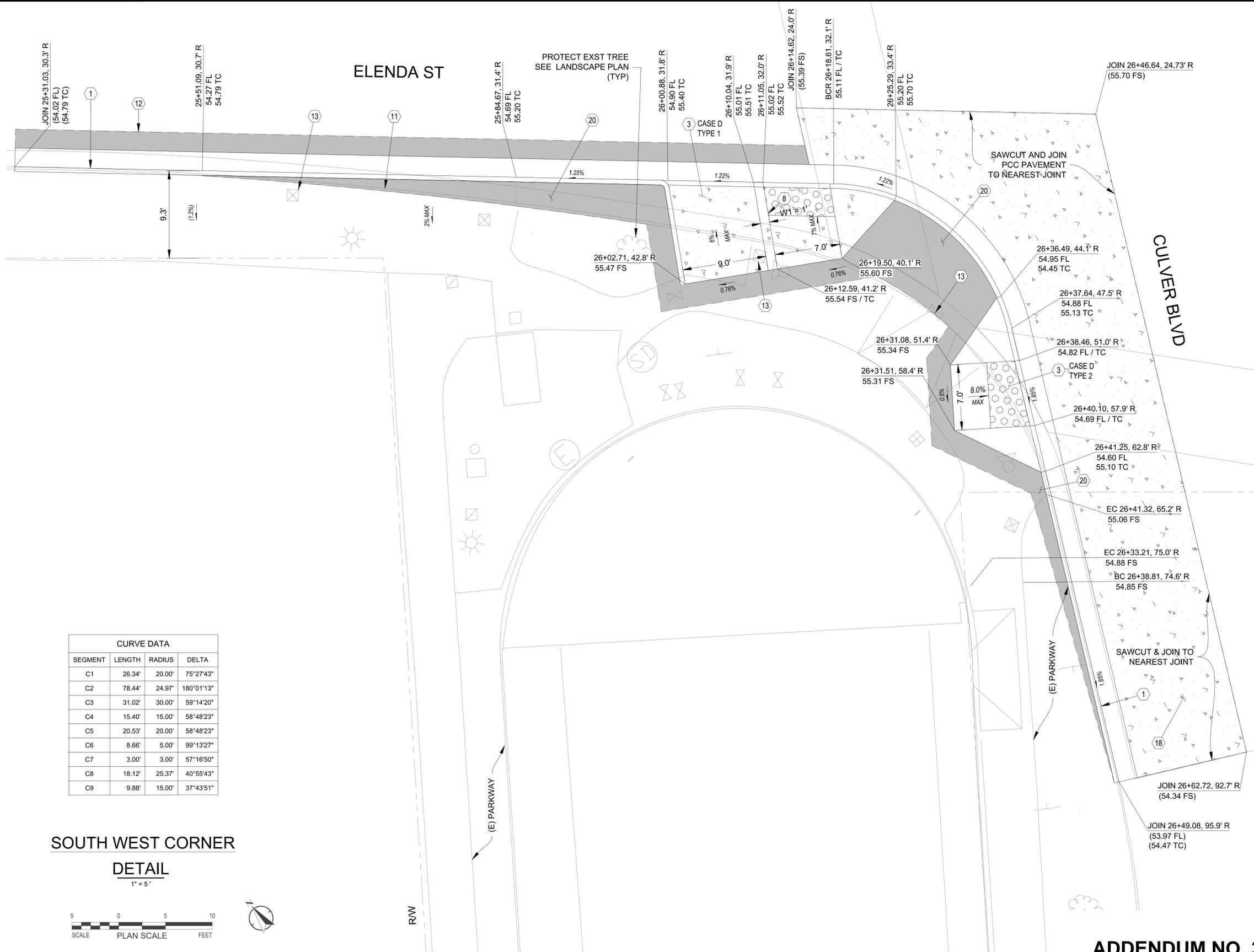


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NO: PL-006
SHEET 22 OF 61

PLAN NO. 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① CONSTRUCT CURB AND GUTTER OVER 4" CMB PER SPPWC STD PLAN 120-2
- ③ CONSTRUCT CURB RAMP OVER 4" CMB PER SPPWC STD PLAN 111-5
- ⑧ CONSTRUCT RETAINING CURB PER DETAIL 2, SHEET D-1
- ⑪ REMOVE EXISTING PCC CURB RAMP, SIDEWALK, GUTTER, MEDIAN CURB, OR PARKWAY IMPROVEMENTS AS SHOWN ON PLANS.
- ⑫ SAWCUT AND HMA PLUG OVER 6" CMB PER DETAIL 4, SHEET D-1
- ⑬ ADJUST TO GRADE METER, VALVE AND/OR PULLBOX
- ⑱ CONSTRUCT 10" PCC PAVEMENT OVER 6" CMB
- ⑳ INSTALL VARIABLE THICKNESS AC AS NEEDED TO CREATE TEMPORARY ADA PEDESTRIAN PATH

NOTES:

1. FOR NOTES, LEGEND AND ABBREVIATIONS SEE SHEETS G-1 AND G-2.
2. FOR PLANTING AT THIS LOCATION, SEE LANDSCAPE PLANS.
3. EXISTING ELEVATIONS AND SLOPES ARE SHOWN IN PARENTHESIS (X.XX).
4. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

LEGEND:

- X.XX TC TOP OF CURB ELEVATION
- X.XX FL FLOWLINE ELEVATION
- X.XX FS FINISHED SURFACE ELEVATION
- (X.XX FS) EXISTING ELEVATION (MATCH EXISTING ELEVATION)
- X.XX PROPOSED SLOPE
- (X.XX) EXISTING SLOPE
- SAWCUT LINE
- NEW LANDSCAPED AREA (SEE LANDSCAPE PLANS)
- NEW DETECTABLE WARNING SURFACE
- NEW PCC SIDEWALK / DRIVEWAY
- NEW AC PAVEMENT

CURVE DATA			
SEGMENT	LENGTH	RADIUS	DELTA
C1	26.34'	20.00'	75°27'43"
C2	78.44'	24.97'	180°01'13"
C3	31.02'	30.00'	59°14'20"
C4	15.40'	15.00'	58°48'23"
C5	20.53'	20.00'	58°48'23"
C6	8.66'	5.00'	99°13'27"
C7	3.00'	3.00'	57°16'50"
C8	18.12'	25.37'	40°55'43"
C9	9.88'	15.00'	37°43'51"

**SOUTH WEST CORNER
DETAIL**
1" = 5'



ADDENDUM NO. 3

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
ELENDA ST/ CULVER BLVD

SHEET TITLE: CONSTRUCTION DETAILS
PROJECT NO.: PL-006
SHEET: 23 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_CD-20-EL-CU
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SBF
DATE: 3/24/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/24/20 DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

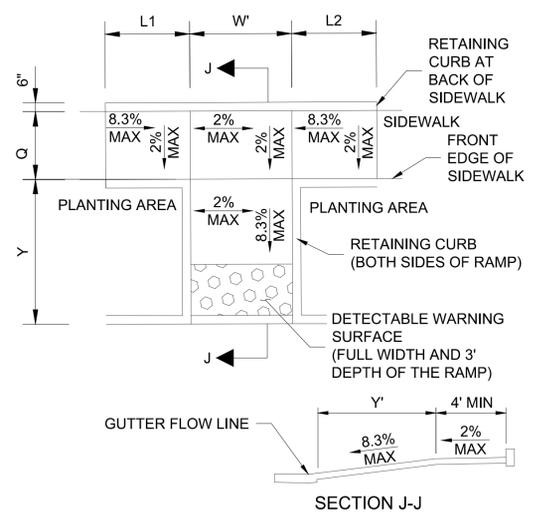
R.C.E. NO.
DATE
R.C.E. NO.
DATE



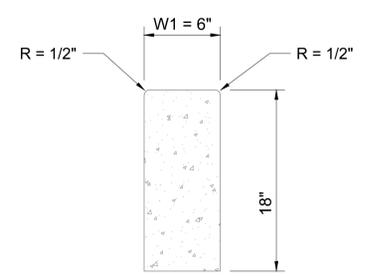
NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

PLAN NO.: 5049-21B

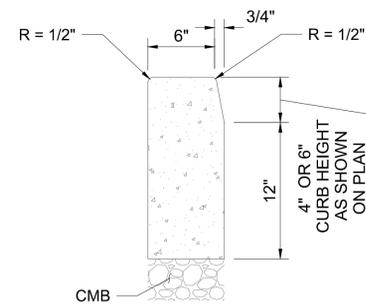
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



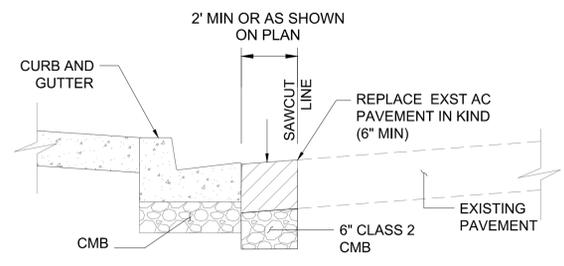
1 CURB RAMP CUSTOM NTS



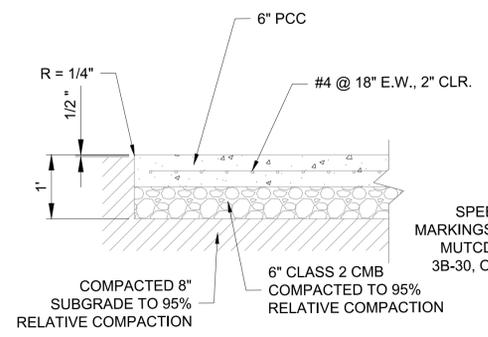
2 RETAINING CURB NTS



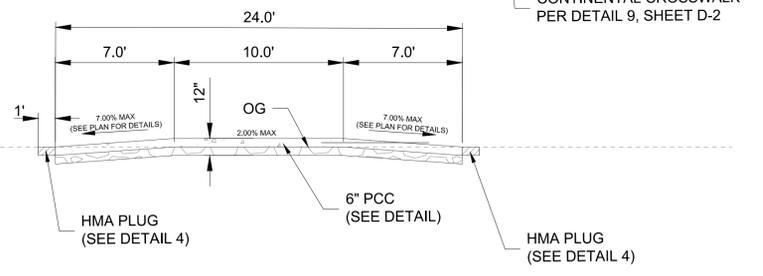
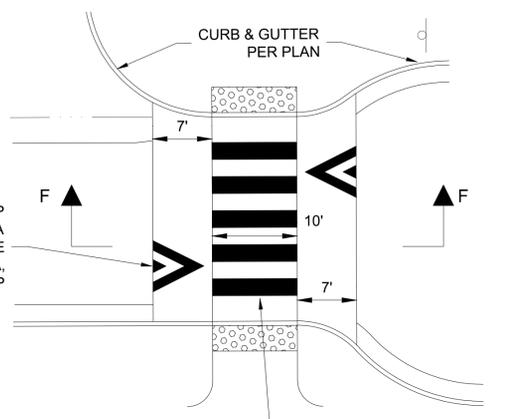
3 MEDIAN CURB NTS



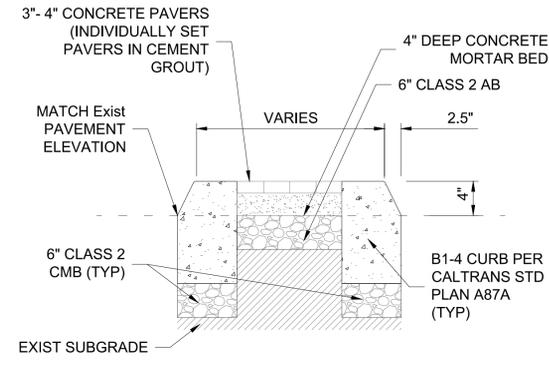
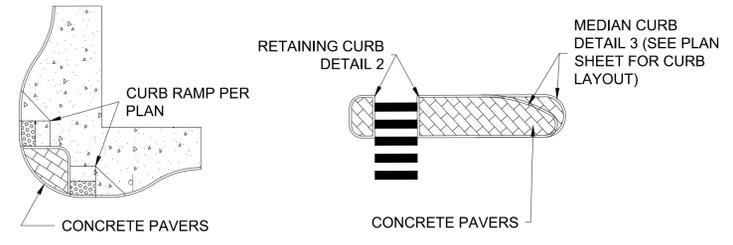
4 SAWCUT AND HMA PLUG NTS



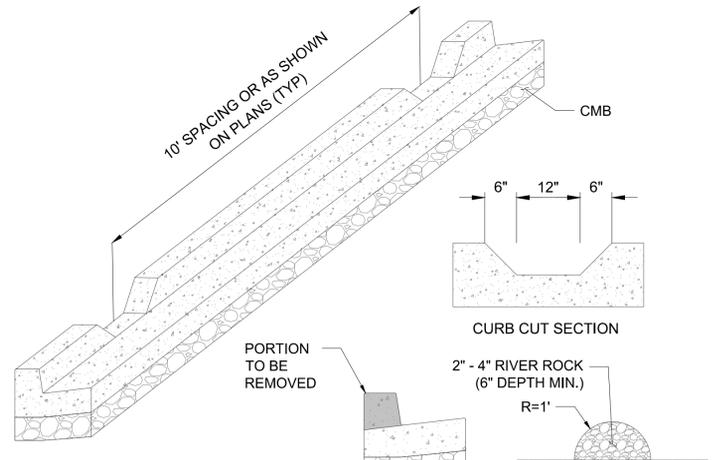
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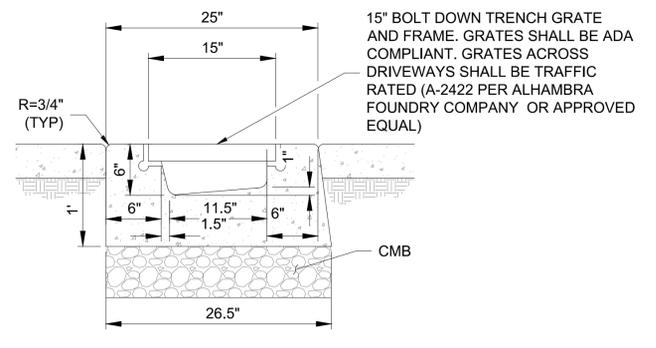
5 RAISED CROSSWALK NTS



6 CONCRETE PAVERS NTS



7 CURB CUT NTS



8 TRENCH DRAIN NTS



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_DET1
 DESIGNED BY: JDA
 DRAWN BY: JDA
 REVIEWED BY: SF
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON
 3/20/20
 DATE



REVIEWED BY:
 REVIEWED BY:

R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

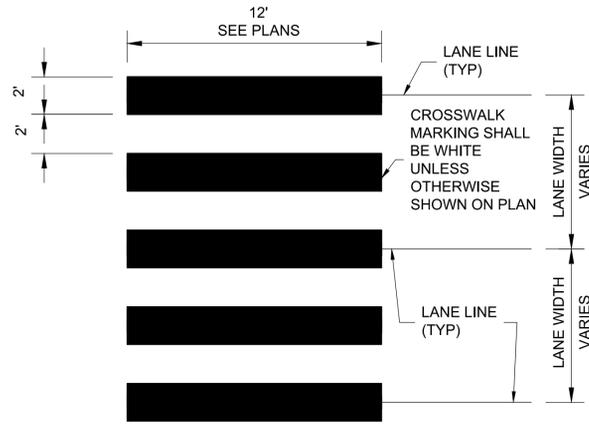
LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE: DETAILS D-1

PROJECT NO: PL-006
 SHEET 24 OF 61

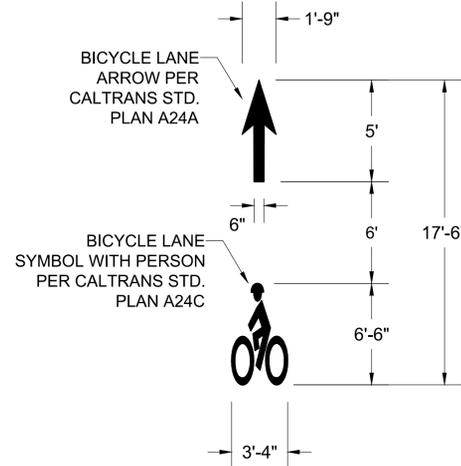
PLAN NO: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

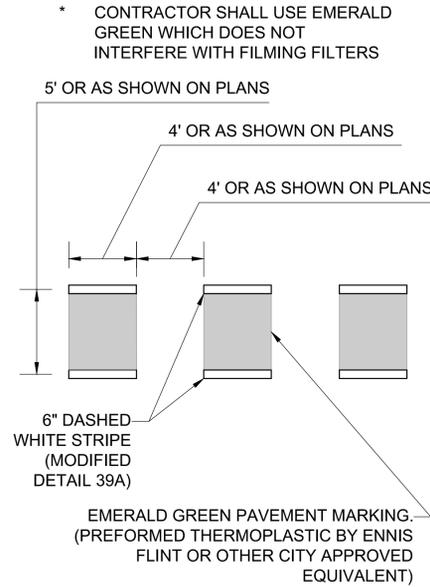


SPACES BETWEEN MARKINGS SHALL BE PLACED IN WHEEL TRACKS OF EACH LANE WHEN POSSIBLE.

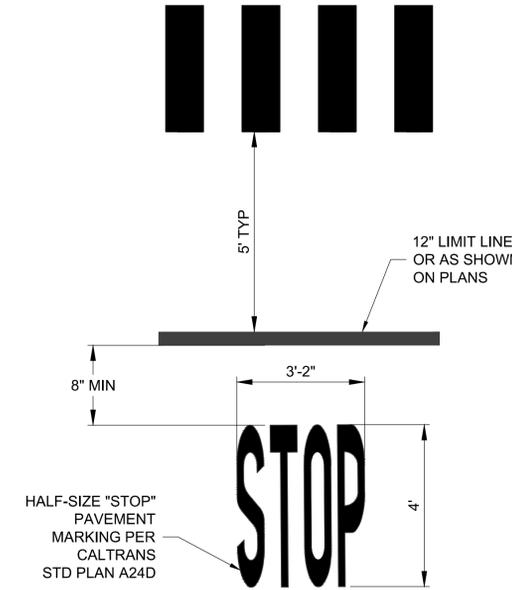
9 CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F
NTS



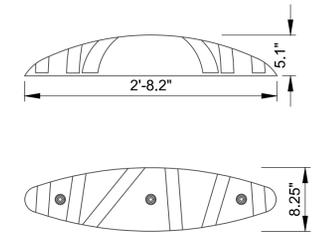
10 BICYCLE LANE PAVEMENT MARKING
NTS



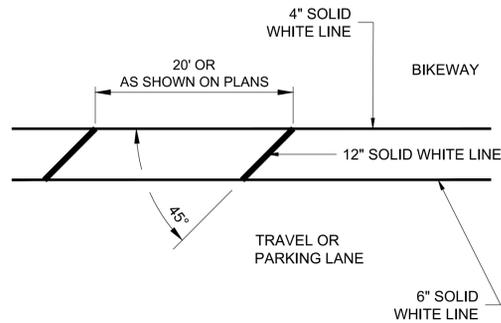
11 GREEN SKIP BOXES
NTS



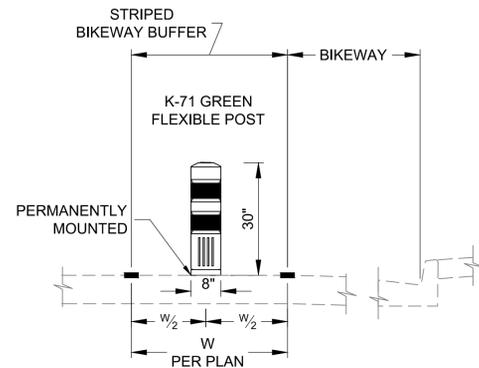
12 BICYCLE STOP PAVEMENT MARKING
NTS



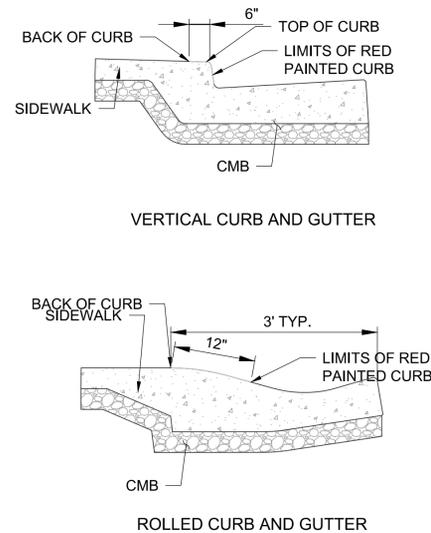
18 ZEBRA CYCLE LANE SEPARATOR (ARMADILLO BARRIER)
NTS



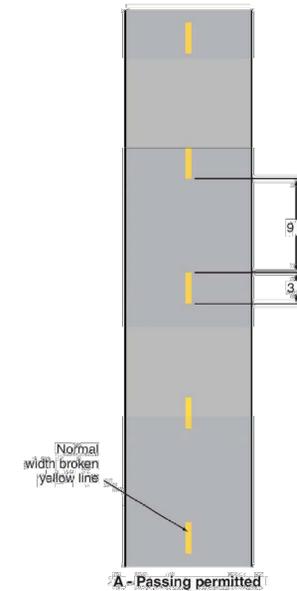
13 STRIPED BIKEWAY BUFFER
NTS



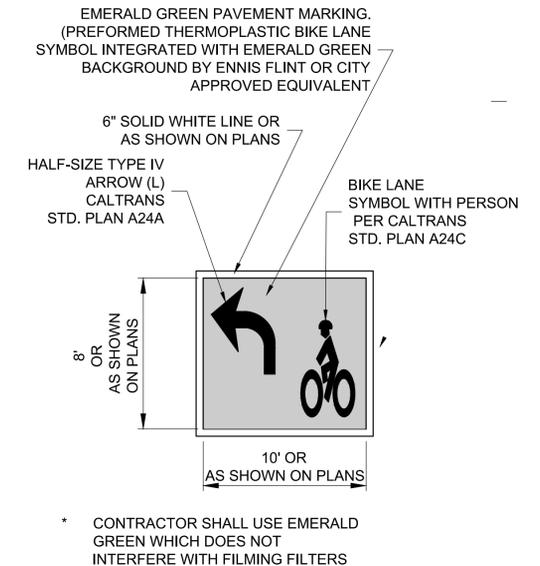
14 K-71 FLEXIBLE POST
NTS



15 RED CURB PAINTING
NTS



16 SHARED USE PATH CENTER LINE (PASSING PERMITTED) PER CAMUTCD FIGURE 9C-2
NTS



17 GREEN-BACKED TURN BOX MARKING PER MUCTD IA-20
NTS



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_DET1
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

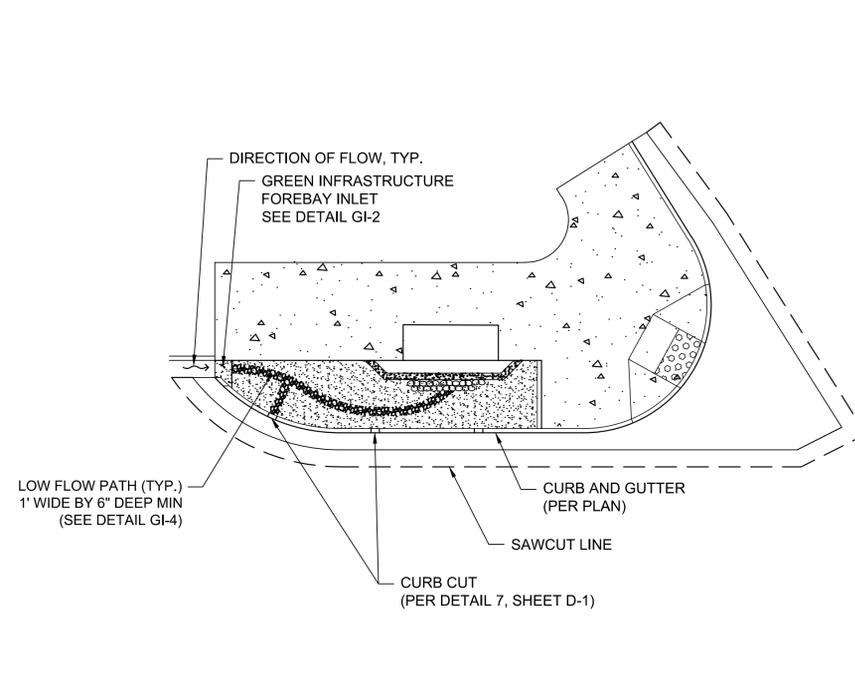
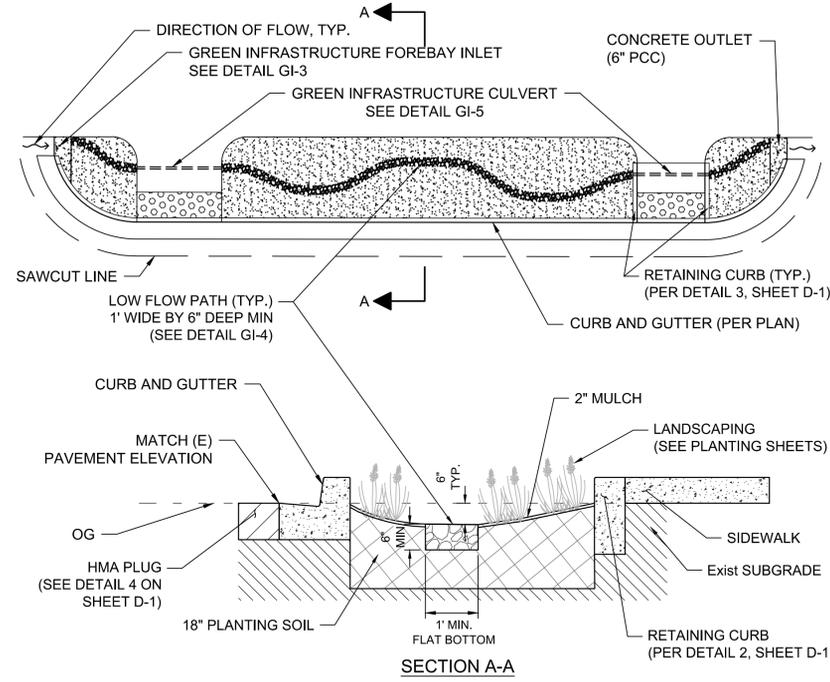
CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE	PROJECT NO.
STRIPING DETAILS	PL-006
D-2	SHEET 25 OF 61

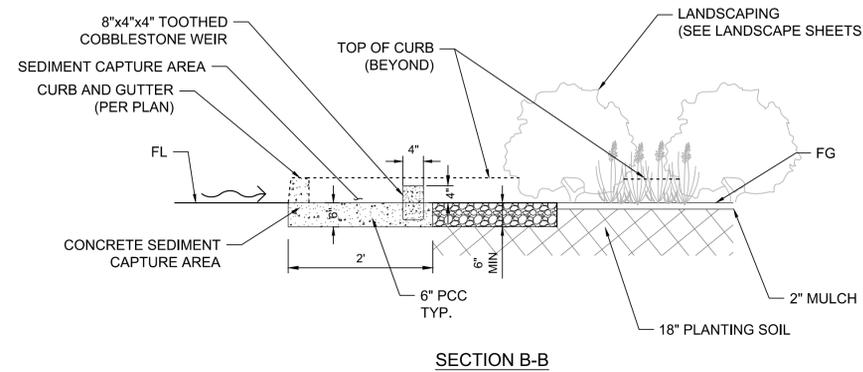
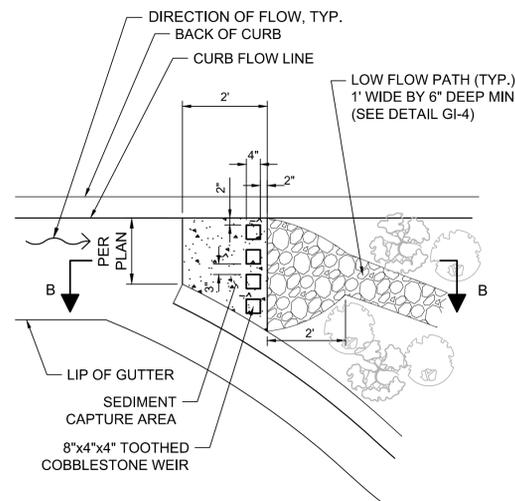
PLAN NO.: 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

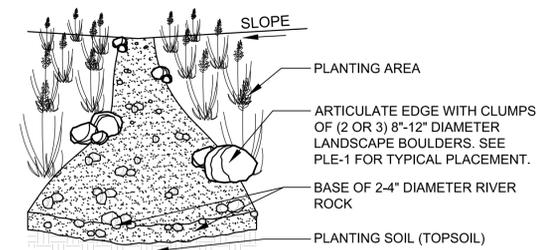


GI-1 GREEN INFRASTRUCTURE FLOW THROUGH BULBOUT NTS

GI-2 GREEN INFRASTRUCTURE CORNER BULBOUT NTS



SEE SHEET D-4 FOR ADDITIONAL GREEN INFRASTRUCTURE DETAILS



- NOTES:**
1. CONTRACTOR SHALL INSTALL LANDSCAPE BOULDERS SO THAT THE LOWER 1/3 OF EACH BOULDER IS BURIED
 2. CONTRACTOR SHALL SUBMIT REPRESENTATIVE SAMPLES OF RIVER ROCK AND LANDSCAPE BOULDERS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

GI-3 GREEN INFRASTRUCTURE FOREBAY INLET NTS

GI-4 LOW FLOW PATH NTS

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE	PROJECT NO.
GREEN INFRASTRUCTURE DETAILS	PL-006
D-3	SHEET 26 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_GI_DET1
DESIGNED BY: LB
DRAWN BY: ML
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



REVIEWED BY:
REVIEWED BY:

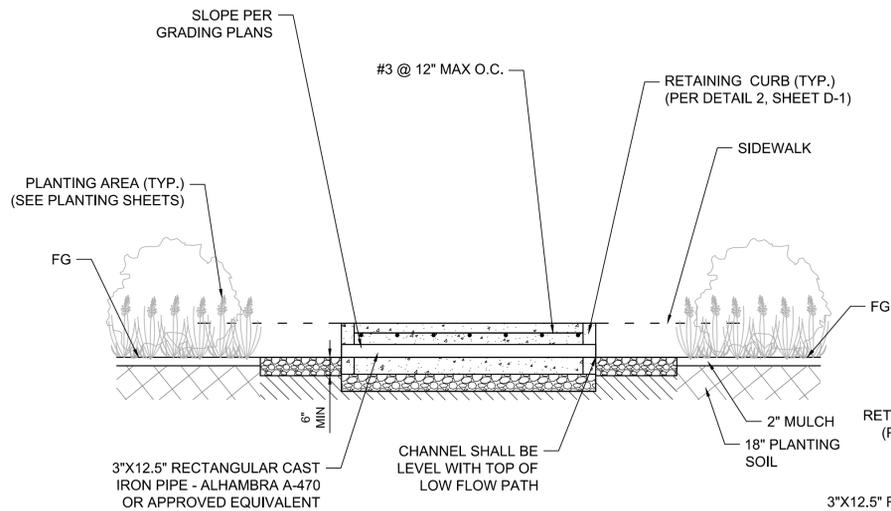
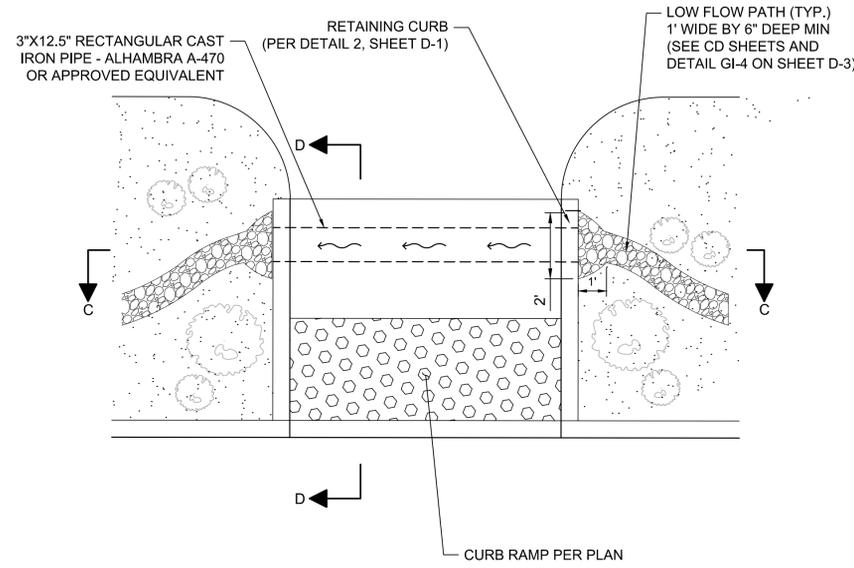
R.C.E. NO.
DATE
R.C.E. NO.
DATE



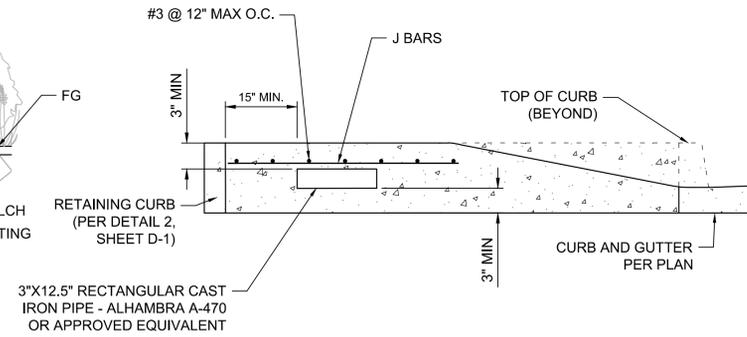
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3				
NO.	REVISION	BY	APPR.	DATE

PLAN NO. 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



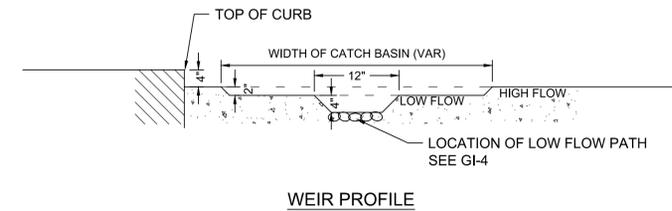
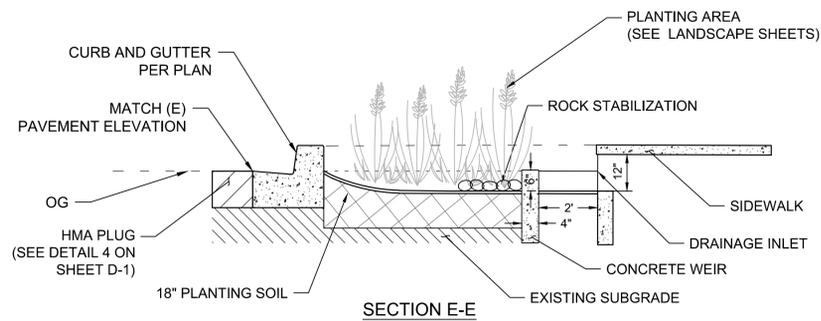
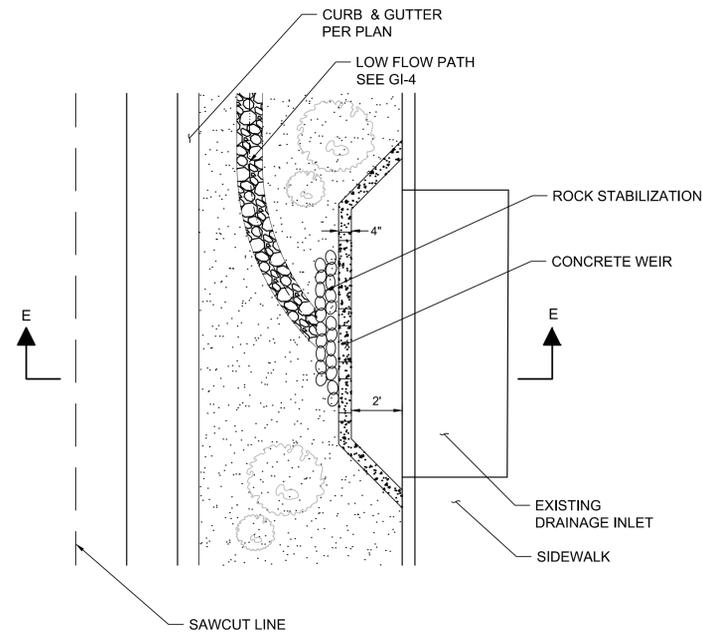
SECTION C-C



SECTION D-D

GI-5 GREEN INFRASTRUCTURE CULVERT

NTS



GI-6 CATCH BASIN WEIR STRUCTURE PROTECTION

NTS

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_GI_DET1
DESIGNED BY: LB
DRAWN BY: ML
REVIEWED BY: SF
DATE: 2/24/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 2/24/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

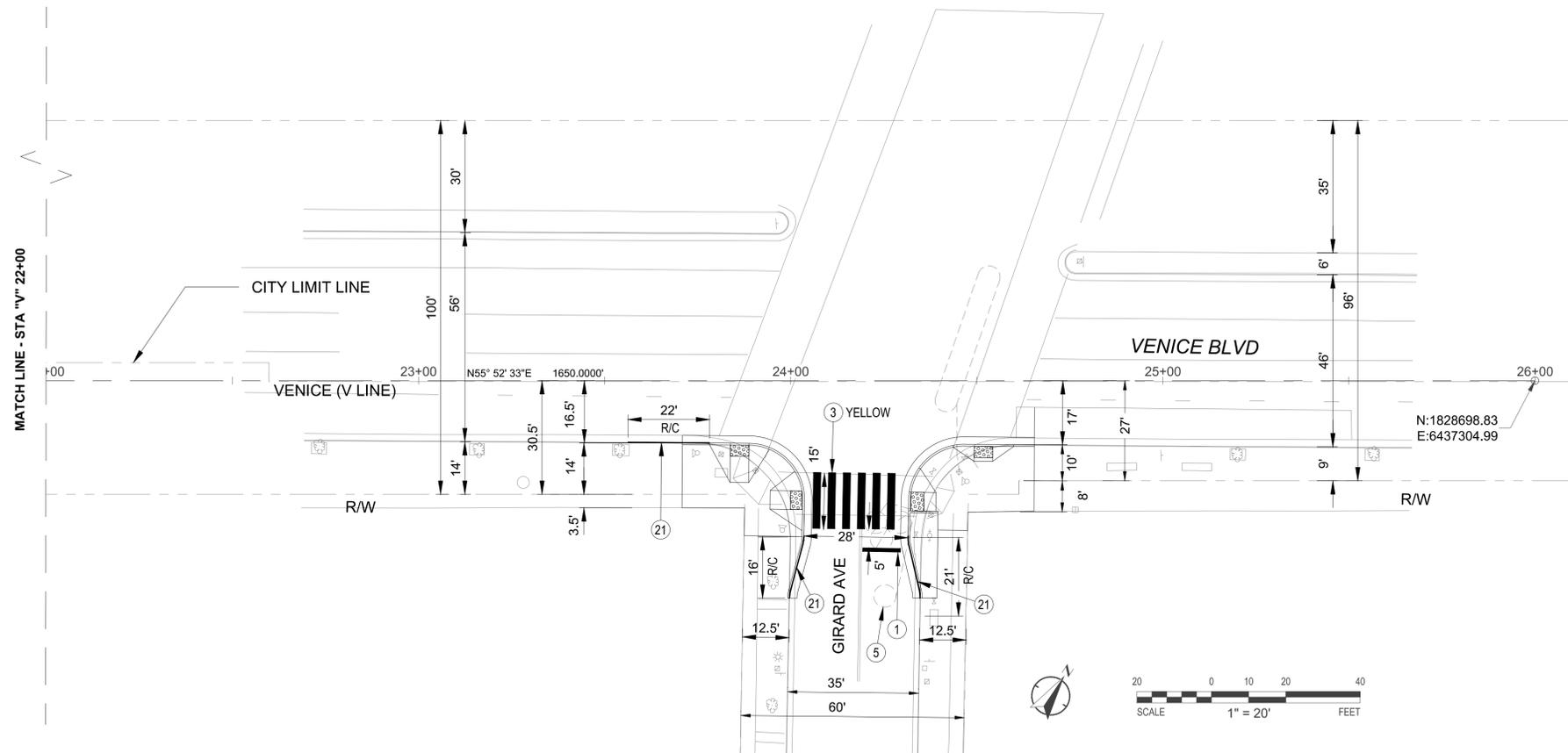
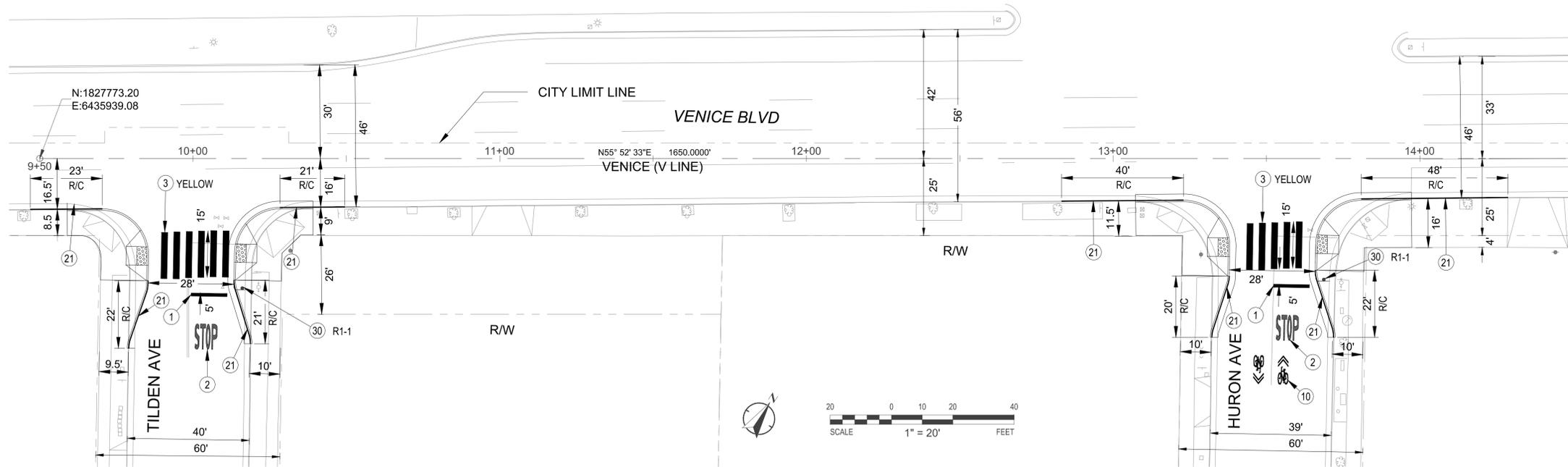


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2					
3					
NO.	REVISION	BY	APPR.	DATE	

SHEET TITLE	PROJECT NO.
GREEN INFRASTRUCTURE DETAILS	PL-006
D-4	SHEET 27 OF 61

PLAN NO. 5049-21B

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑤ FURNISH AND INSTALL DAMAGED DETECTOR LOOPS PER LADOT STD DWG S-70.0, S-70.1.A, AND S-70.1.D. CONTRACTOR MAY RE-USE STUB-OUT AS DETERMINED BY TRAFFIC SIGNAL INSPECTOR. IF STUB-OUT IN NOT IN PLACE OR DAMAGED, CONTRACTOR SHALL INSTALL NEW STUB OUT
- ⑩ INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD PLAN A24C
- ⑫ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ⑬ RELOCATE SIGN AND POST PER LADOT STD DWG S-452

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "V" 9+50.00 TO STA "V" 14+50.00
AND 22+00.00 TO STA "V" 26+00.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-01-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

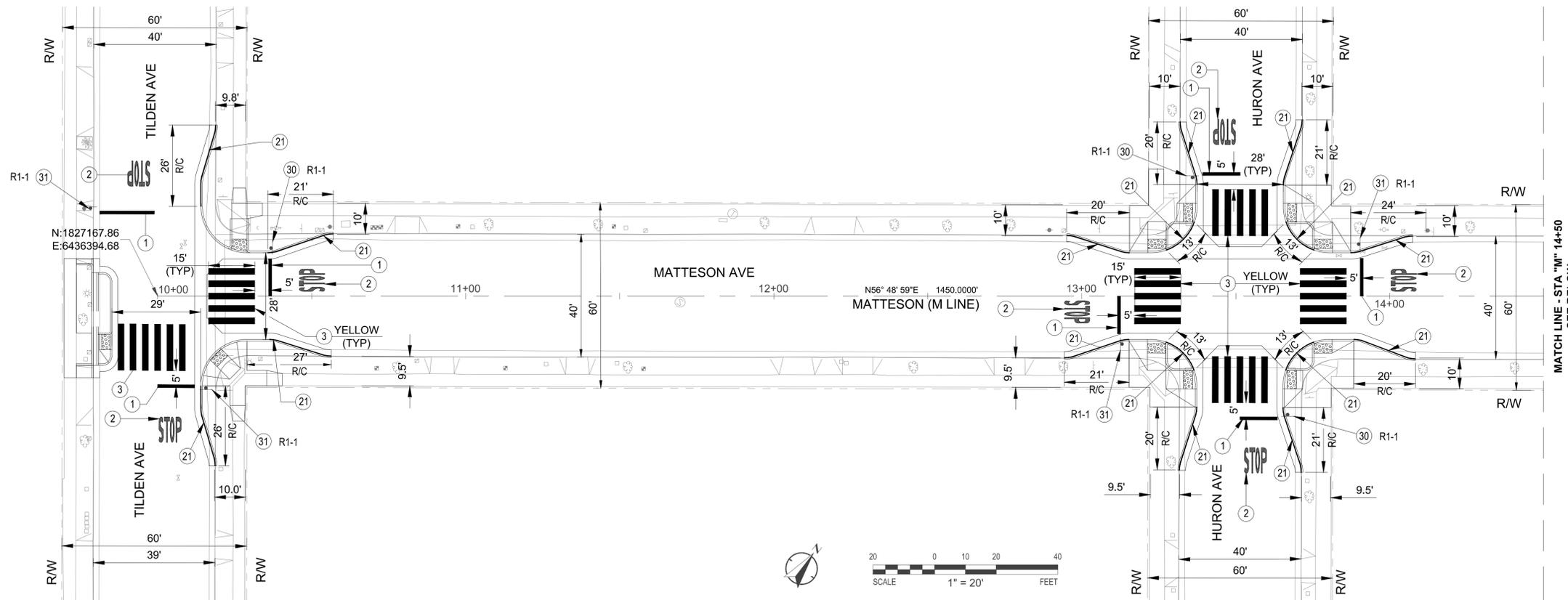


NO.	REVISION	BY	APPR.	DATE
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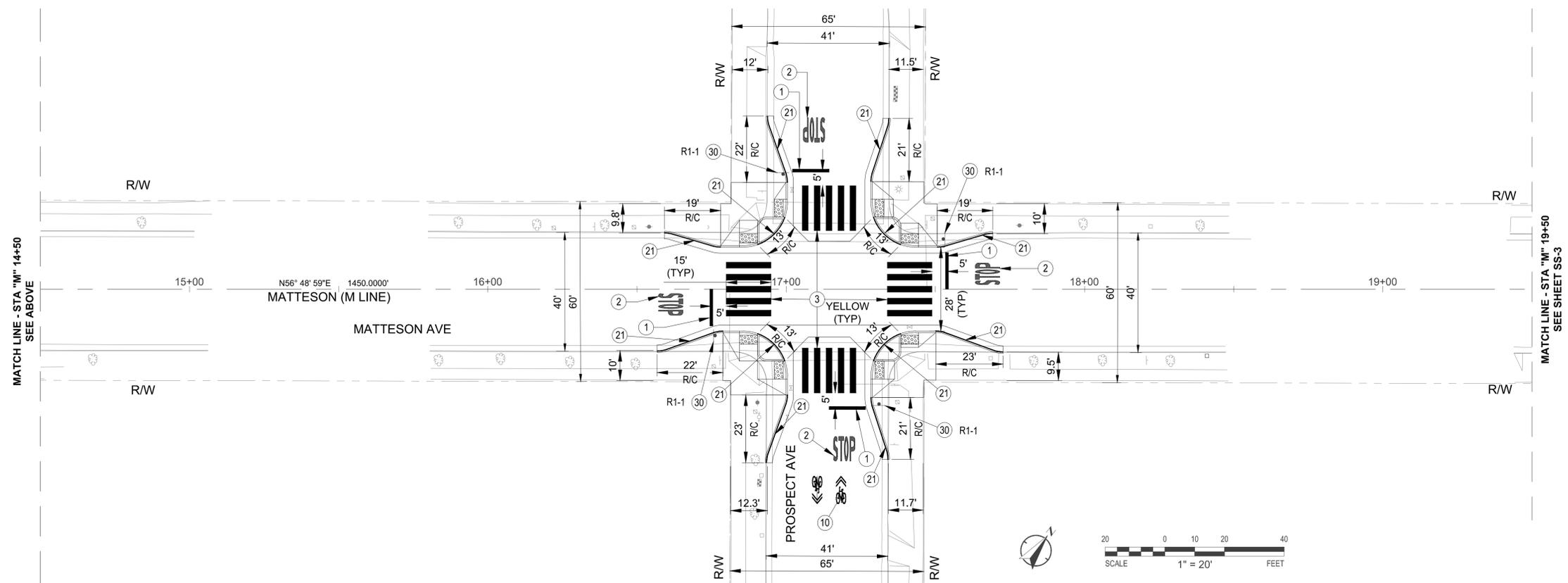
SHEET TITLE: STRIPING PLAN
PROJECT NO: PL-006
SHEET 28 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



- ### SHEET KEYNOTES
- ① INSTALL 12" WHITE LIMIT LINE
 - ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
 - ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
 - ⑩ INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD PLAN A24C
 - ⑳ PAINT CURB RED PER DETAIL 15, SHEET D-2
 - ⑳ RELOCATE SIGN AND POST PER LADOT STD DWG S-452
 - ⑳ INSTALL SIGN AND POST PER LADOT STD DWG S-452



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "M" 10+00.00 TO STA "M" 19+50.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-02-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
3/20/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

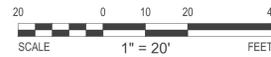
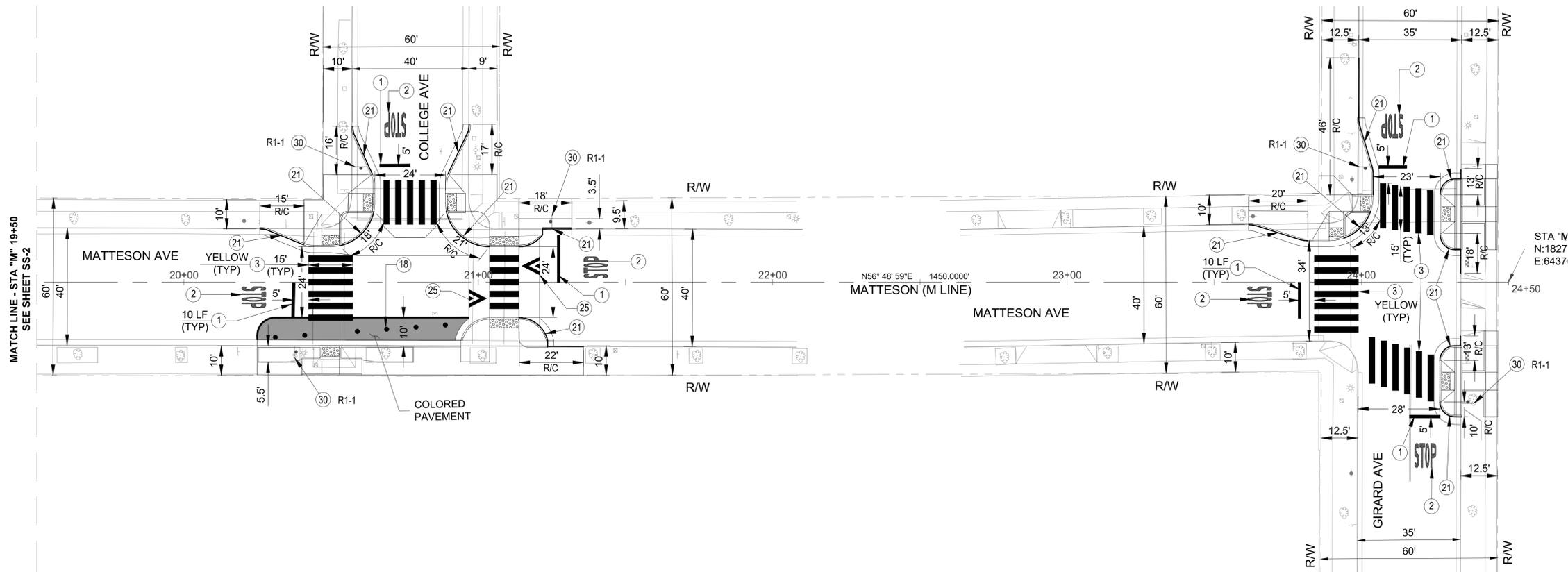


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SHEET TITLE: STRIPING PLAN
PROJECT NO: PL-006
SHEET 29 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑱ SUPPLY AND INSTALL K-71 GREEN FLEXIBLE POST AS SHOWN, SEE DETAIL 14, SHEET D-2
- ⑳ SPEED HUMP MARKINGS PER CA MUTCD FIGURE 3B-30, OPTION A
- ㉑ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ㉒ RELOCATE SIGN AND POST PER LADOT STD DWG S-452

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "M" 19+50.00 TO STA "M" 24+50.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-03-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:
DATE

R.C.E. NO.
DATE
R.C.E. NO.
DATE



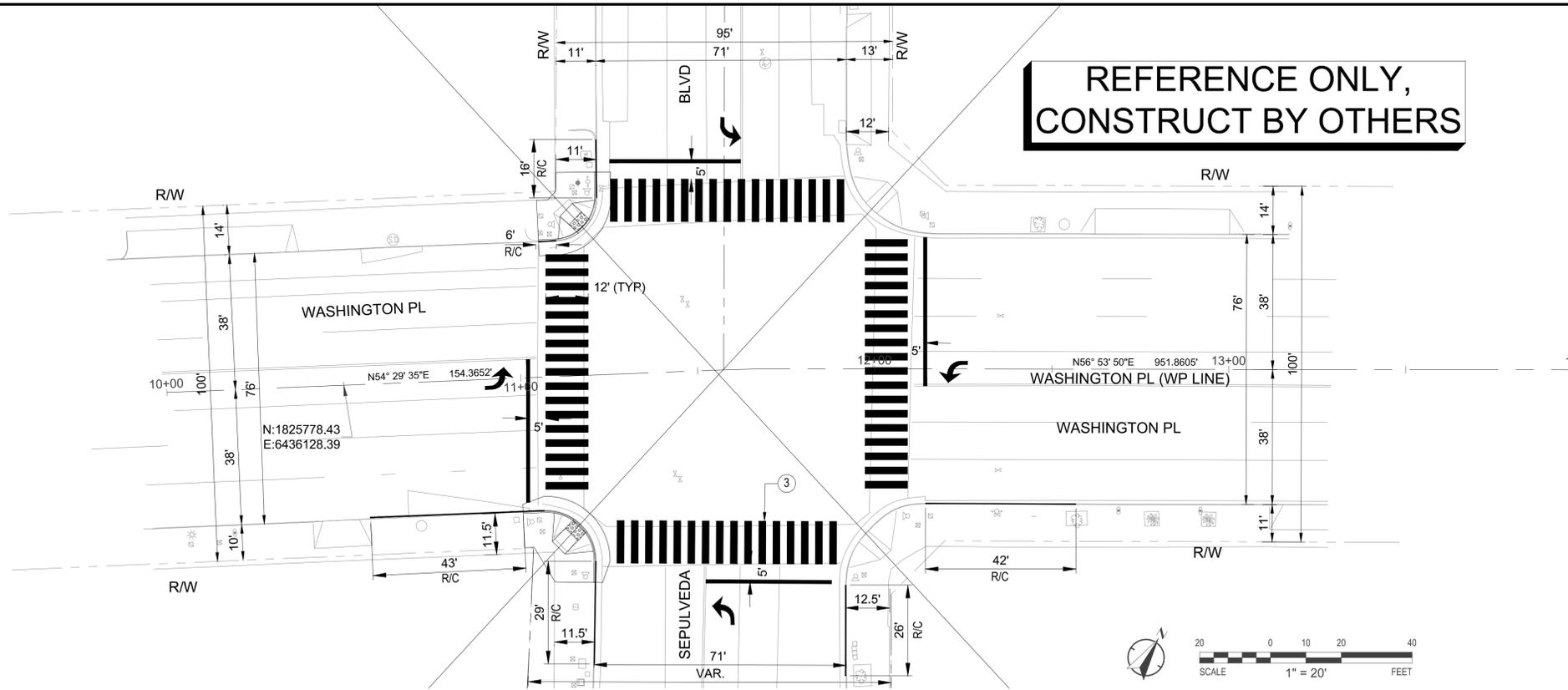
NO.	REVISION	BY	APPR.	DATE
1				
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3				

SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-3	SHEET 30 OF 61

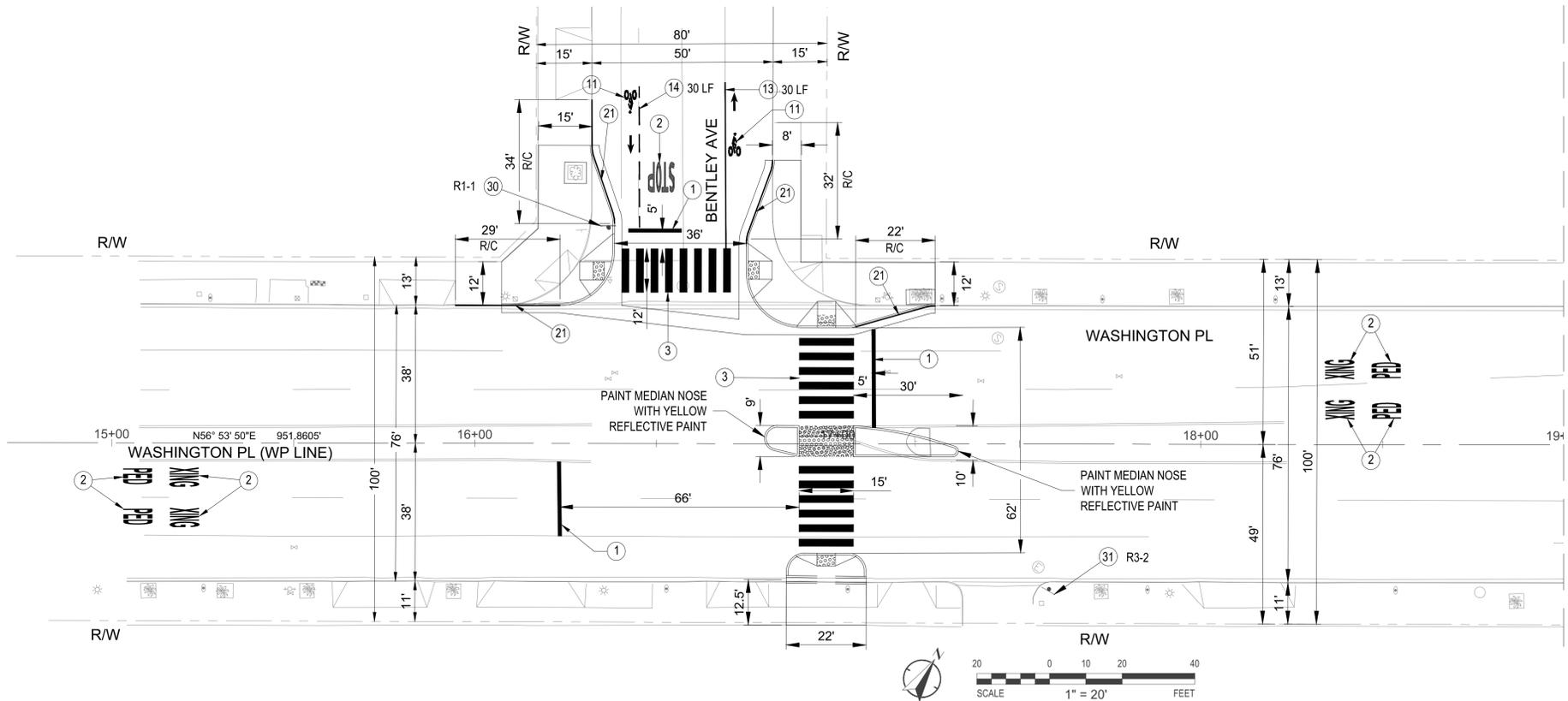
PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

**REFERENCE ONLY,
CONSTRUCT BY OTHERS**



MATCH LINE - STA "W" 14+50
SEE BELOW



MATCH LINE - STA "WP" 14+00
SEE ABOVE

MATCH LINE - STA "WP" 19+00
SEE SHEET SS-5

SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑪ INSTALL BICYCLE LANE PAVEMENT MARKING PER CALTRANS STD PLAN A24C
- ⑬ INSTALL 6" WHITE BIKE LANE LINE PER CALTRANS DETAIL 39, STD PLAN A20D
- ⑭ INSTALL 6" WHITE INTERSECTION BIKE LANE LINE PER CALTRANS DETAIL 39A, STD PLAN A20D
- ⑰ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ⑳ RELOCATE SIGN AND POST PER LADOT STD DWG S-452
- ㉑ INSTALL SIGN AND POST PER LADOT STD DWG S-452

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "WP" 10+00.00 TO STA "WP" 19+00.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-04-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
3/20/20
DATE



REVIEWED BY:

REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE



①
②
③
NO.

REVISION

BY

APPR.

DATE

SHEET TITLE

STRIPING PLAN

SS-4

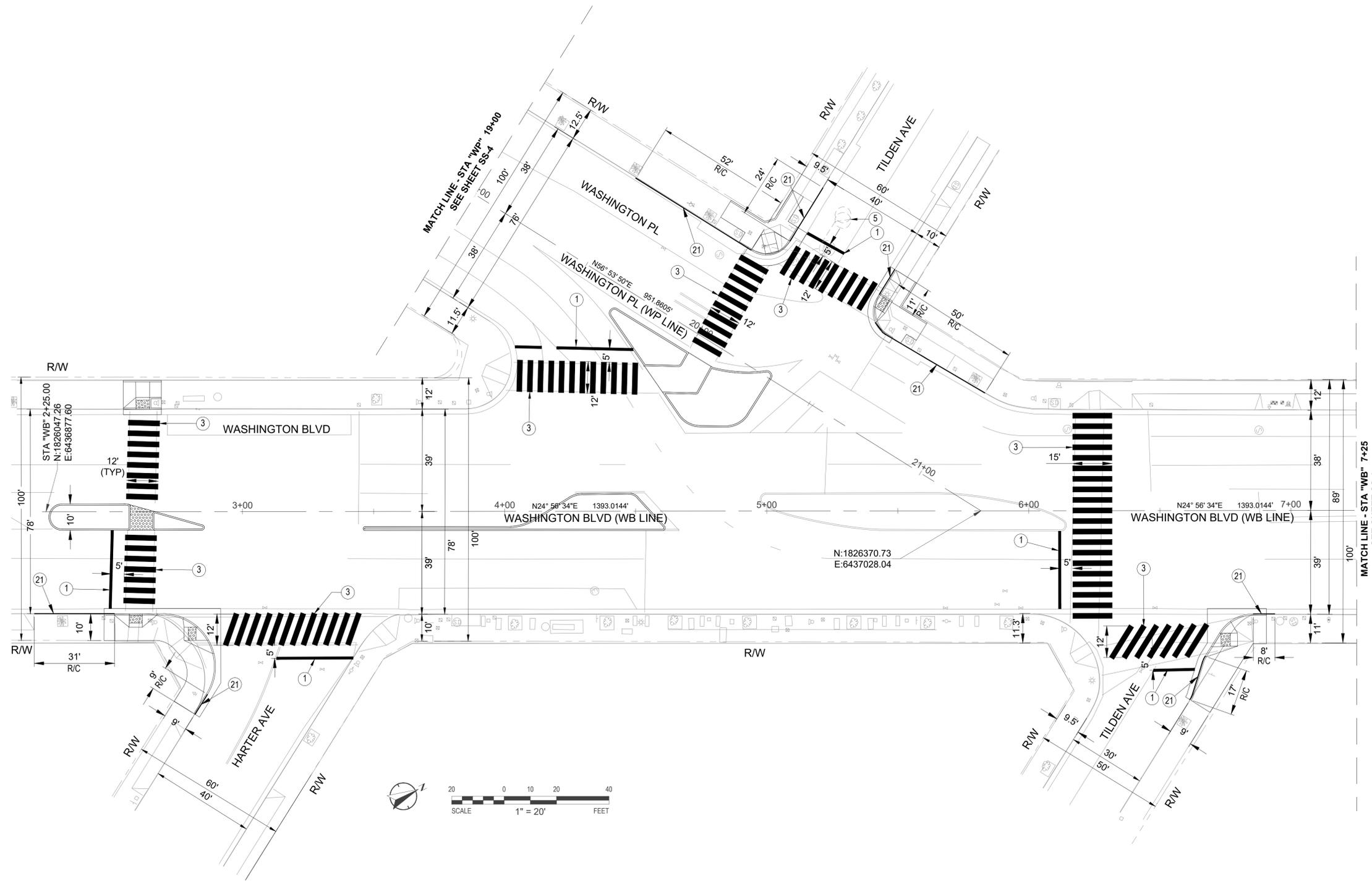
PROJECT NO.

PL-006

SHEET 31 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑤ FURNISH AND INSTALL DAMAGED DETECTOR LOOPS PER LADOT STD DWG S-70.0, S-70.1.A, AND S-70.1.D. CONTRACTOR MAY RE-USE STUB-OUT AS DETERMINED BY TRAFFIC SIGNAL INSPECTOR. IF STUB-OUT IN NOT IN PLACE OR DAMAGED, CONTRACTOR SHALL INSTALL NEW STUB OUT
- ②① PAINT CURB RED PER DETAIL 15, SHEET D-2

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "WB" 2+25.00 TO STA "WB" 7+25.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-05-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/20/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

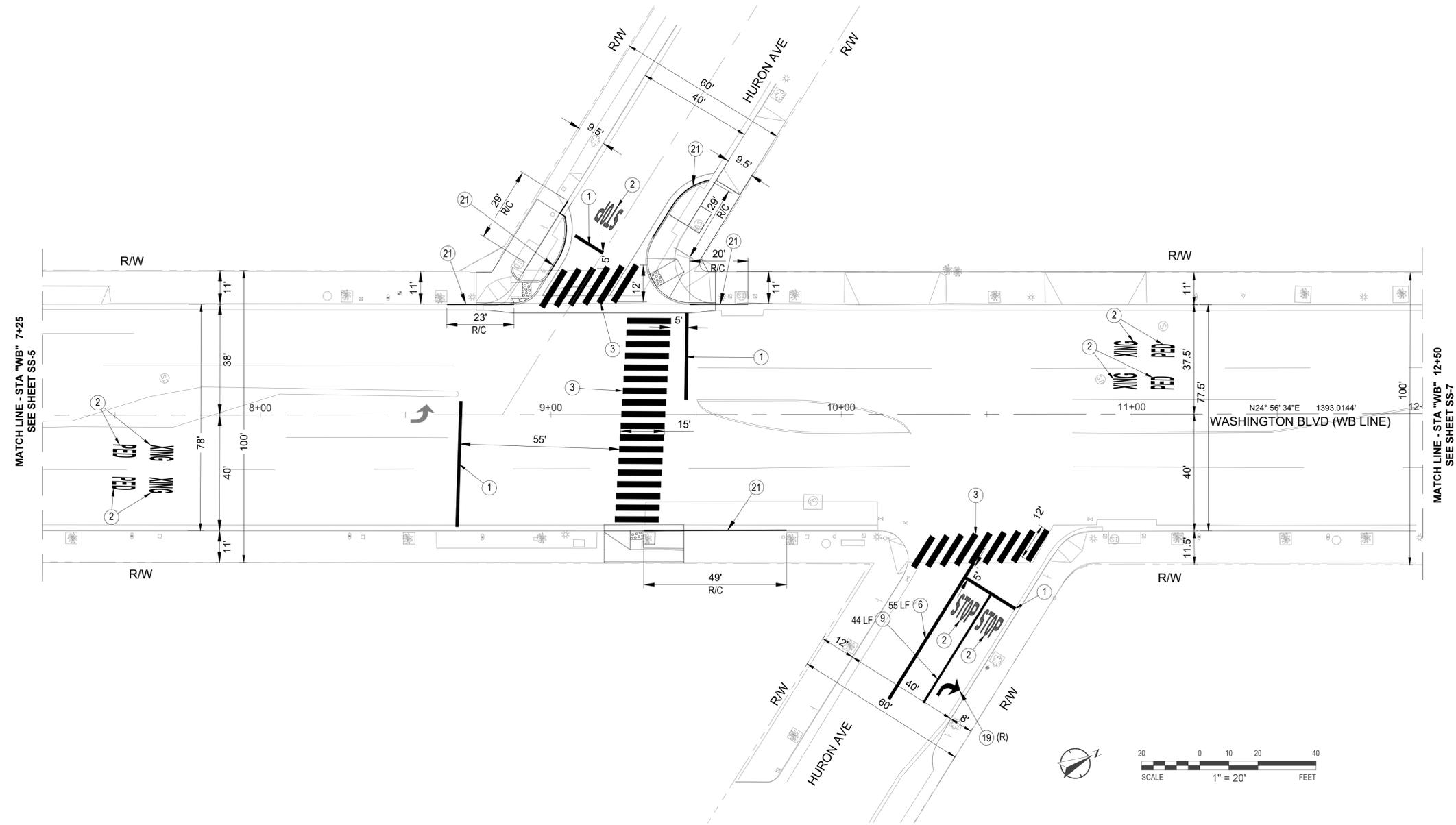


NO.	REVISION	BY	APPR.	DATE
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SHEET TITLE	PROJECT NO:
STRIPING PLAN	PL-006
SS-5	SHEET 32 OF 61

PLAN NO. 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
- ⑨ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
- ⑰ INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
- ⑳ PAINT CURB RED PER DETAIL 15, SHEET D-2

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "WB" 7+25.00 TO STA "WB" 12+50.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-06-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
R.C.E. NO.
DATE
REVIEWED BY:
R.C.E. NO.
DATE

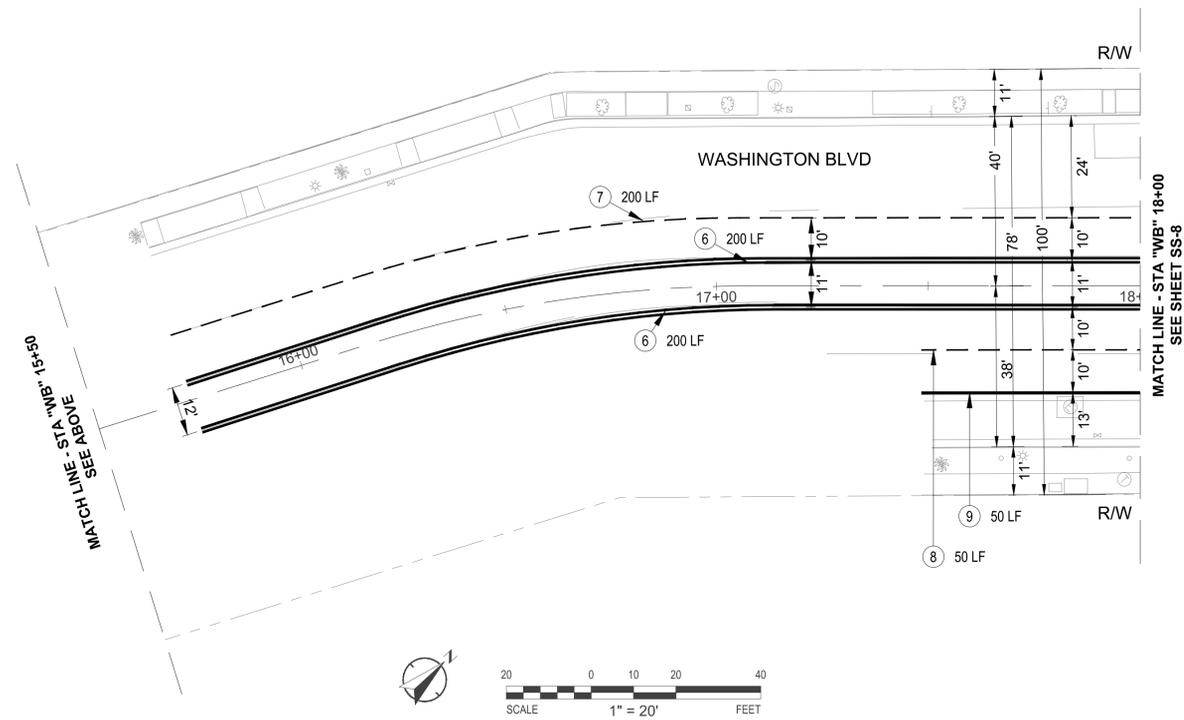
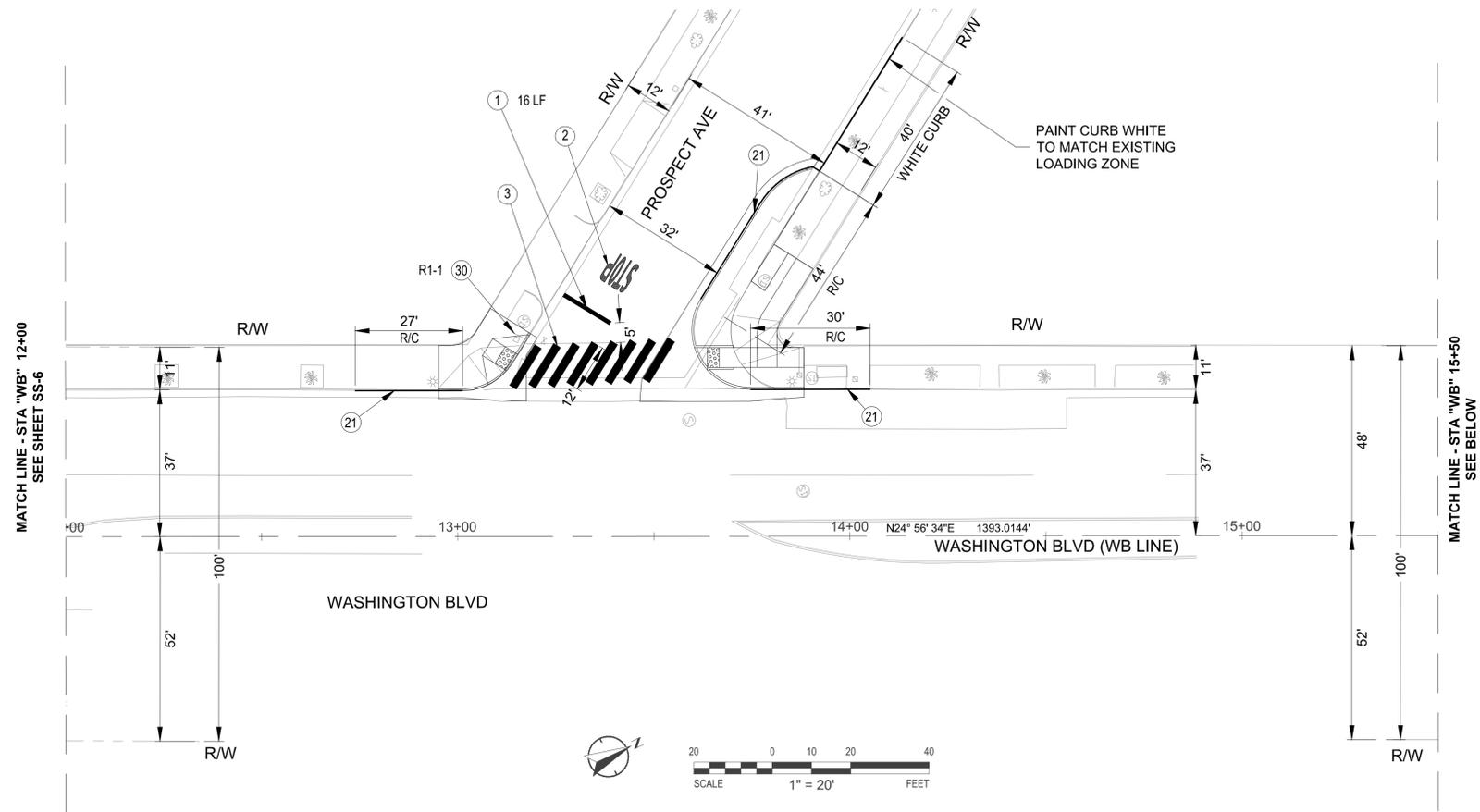


NO.	REVISION	BY	APPR.	DATE
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SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-6	SHEET 33 OF 61

PLAN NO. 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
- ⑦ INSTALL 6" WHITE LANE LINE PER CALTRANS DETAIL 8, STD PLAN A20A
- ⑧ INSTALL 6" WHITE EDGELINE PER CALTRANS DETAIL 27B, STD A20B
- ⑨ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
- ⑳ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ㉑ RELOCATE SIGN AND POST PER LADOT STD DWG S-452

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "WB" 12+50.00 TO STA "WB" 18+00.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-07-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIERSON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

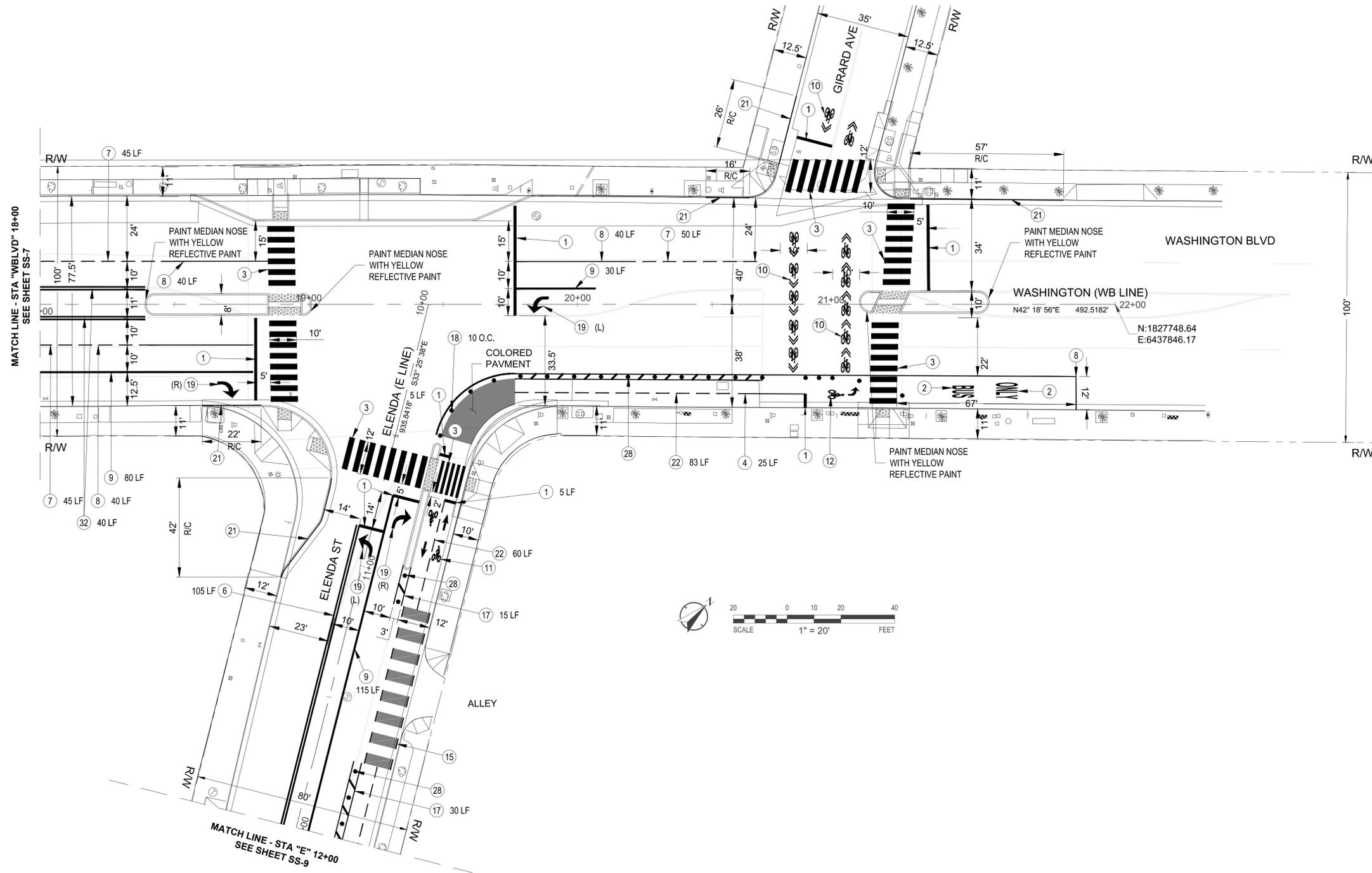


NO.	REVISION	BY	APPR.	DATE
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SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-7	SHEET 34 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ④ INSTALL 4" YELLOW STRIPE PER CALTRANS DETAIL 25A STD PLAN A20B
- ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
- ⑦ INSTALL 6" WHITE LANE LINE PER CALTRANS DETAIL 8, STD PLAN A20A
- ⑧ INSTALL 6" WHITE EDGELINE PER CALTRANS DETAIL 27B, STD A20B
- ⑨ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
- ⑩ INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD PLAN A24C
- ⑪ INSTALL BICYCLE LANE PAVEMENT MARKING PER CALTRANS STD PLAN A24C
- ⑫ INSTALL BICYCLE LANE PAVEMENT MARKING PER DETAIL 10, SHEET D-2
- ⑮ INSTALL GREEN SKIP BOXES PER DETAIL 11, SHEET D-2
- ⑰ INSTALL STRIPED BIKE LANE BUFFER PER DETAIL 13, SHEET D-2
- ⑱ SUPPLY AND INSTALL K-71 GREEN FLEXIBLE POST AS SHOWN, SEE DETAIL 14, SHEET D-2
- ⑲ INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
- ⑳ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ㉒ INSTALL SHARED PATH CENTER LINE CAMUTCD FIGURE 9C-2 PASSING PERMITTED; DETAIL 16, SHEET D-2
- ㉘ INSTALL ZEBRA CYCLE LANE SEPARATED (ARMADILLO BARRIERS) PER DETAIL ON SHEET D2 OR APPROVED EQUIVALENT. (8' O.C.)
- ㉚ INSTALL 6" YELLOW MEDIAN STRIPE PER CALTRANS DETAIL 29, STD PLAN A20B

ADDENDUM NO. 3

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "WB" 18+00.00 TO STA "WB" 22+00.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-08-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/24/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/24/20



PRIME CONSULTANT
REVIEWED BY:
R.C.E. NO.
DATE
R.C.E. NO.
DATE

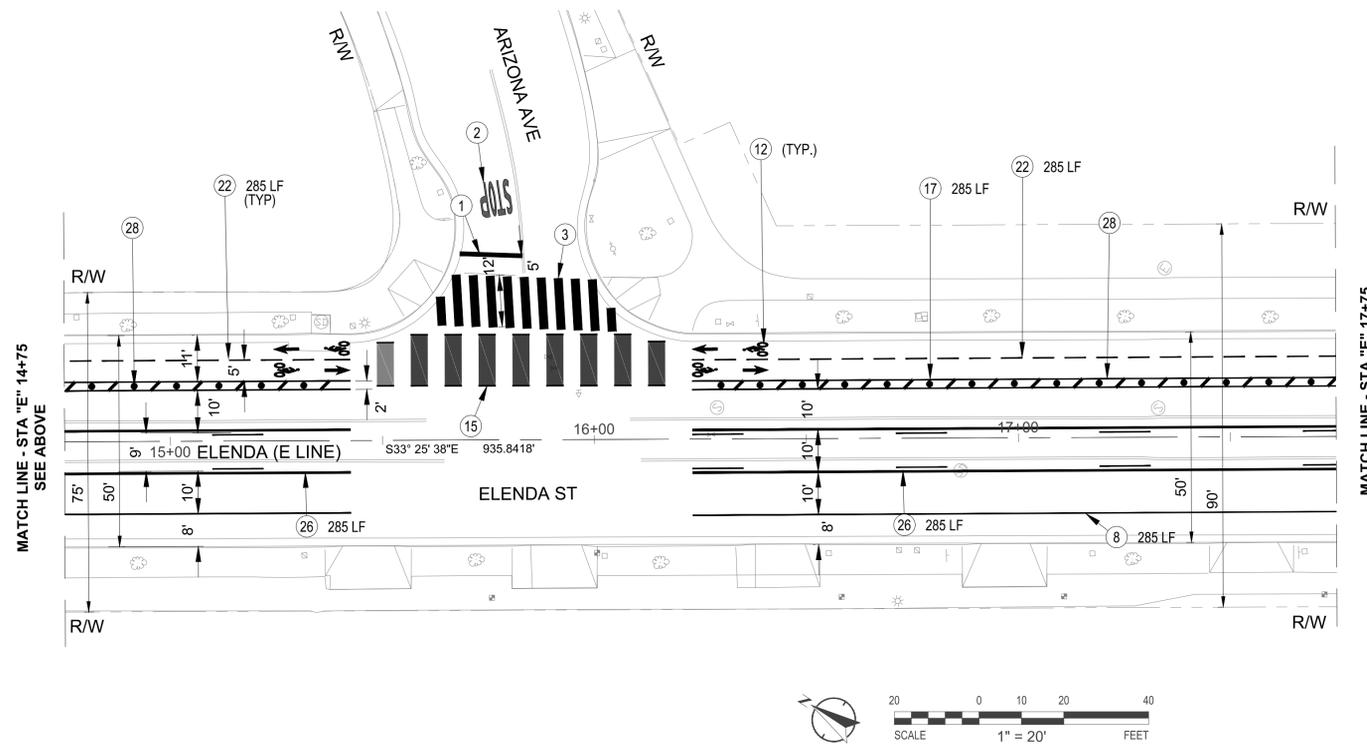
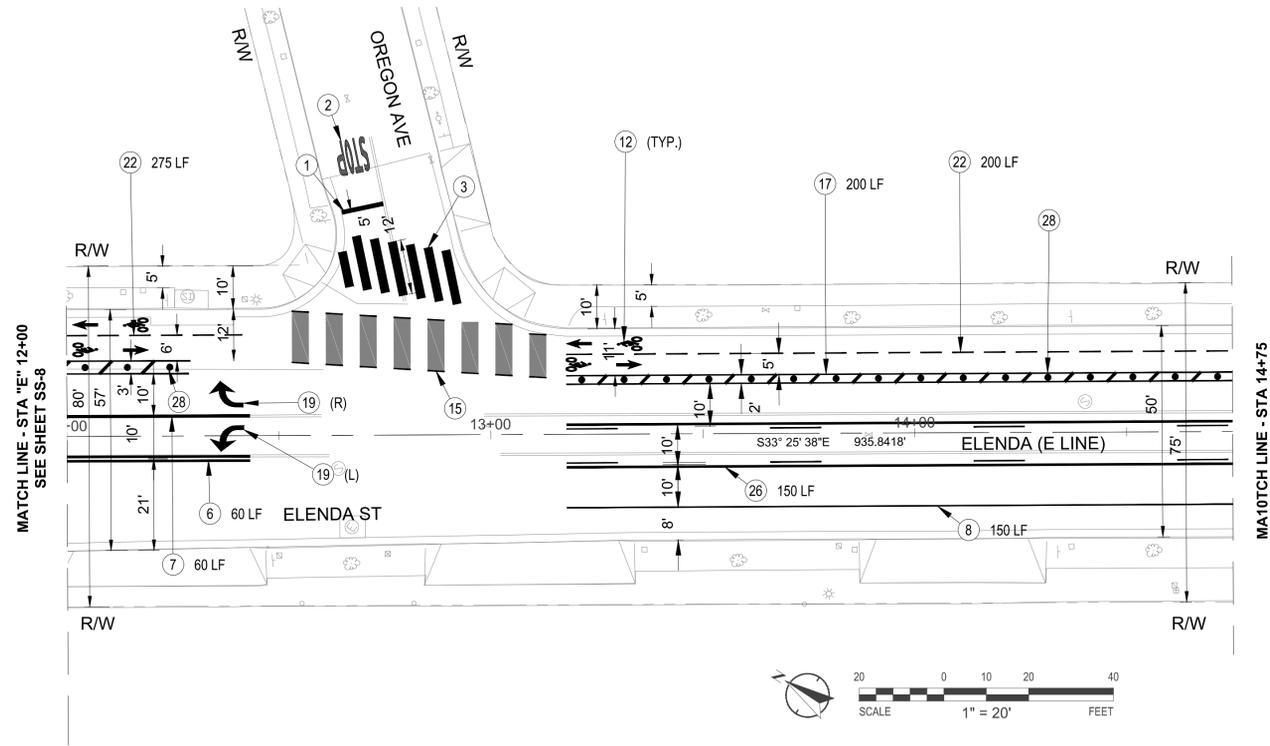


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-8	SHEET 35 OF 61

PLAN NO. 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SHEET KEYNOTES

- ① INSTALL 12" WHITE LIMIT LINE
- ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
- ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
- ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
- ⑦ INSTALL 6" WHITE LANE LINE PER CALTRANS DETAIL 8, STD PLAN A20A
- ⑧ INSTALL 6" WHITE EDGELINE PER CALTRANS DETAIL 27B, STD A20B
- ⑫ INSTALL BICYCLE LANE PAVEMENT MARKING PER DETAIL 10, SHEET D-2
- ⑮ INSTALL GREEN SKIP BOXES PER DETAIL 11, SHEET D-2
- ⑰ INSTALL STRIPED BIKE LANE BUFFER PER DETAIL 13, SHEET D-2
- ⑲ INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
- ⑳ PAINT CURB RED PER DETAIL 15, SHEET D-2
- ㉒ INSTALL SHARED PATH CENTER LINE CAMUTCD FIGURE 9C-2 PASSING PERMITTED; DETAIL 16, SHEET D-2
- ㉔ INSTALL STRIPING PER CALTRANS STD PLAN A20A DETAIL 15
- ㉘ INSTALL ZEBRA CYCLE LANE SEPARATED (ARMADILLO BARRIERS) PER DETAIL ON SHEET D2 OR APPROVED EQUIVALENT. (8' O.C.)

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "E" 12+00.00 TO STA "E" 17+75.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-09-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

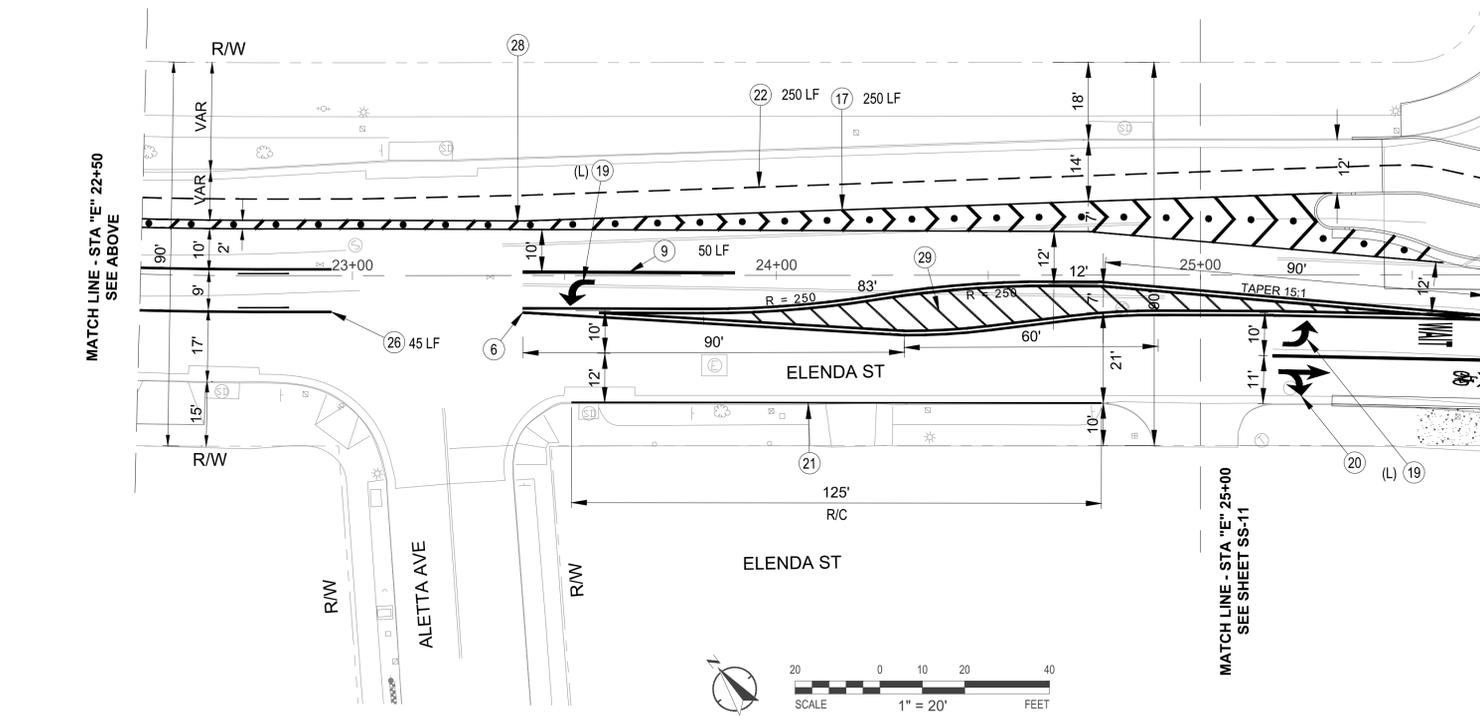
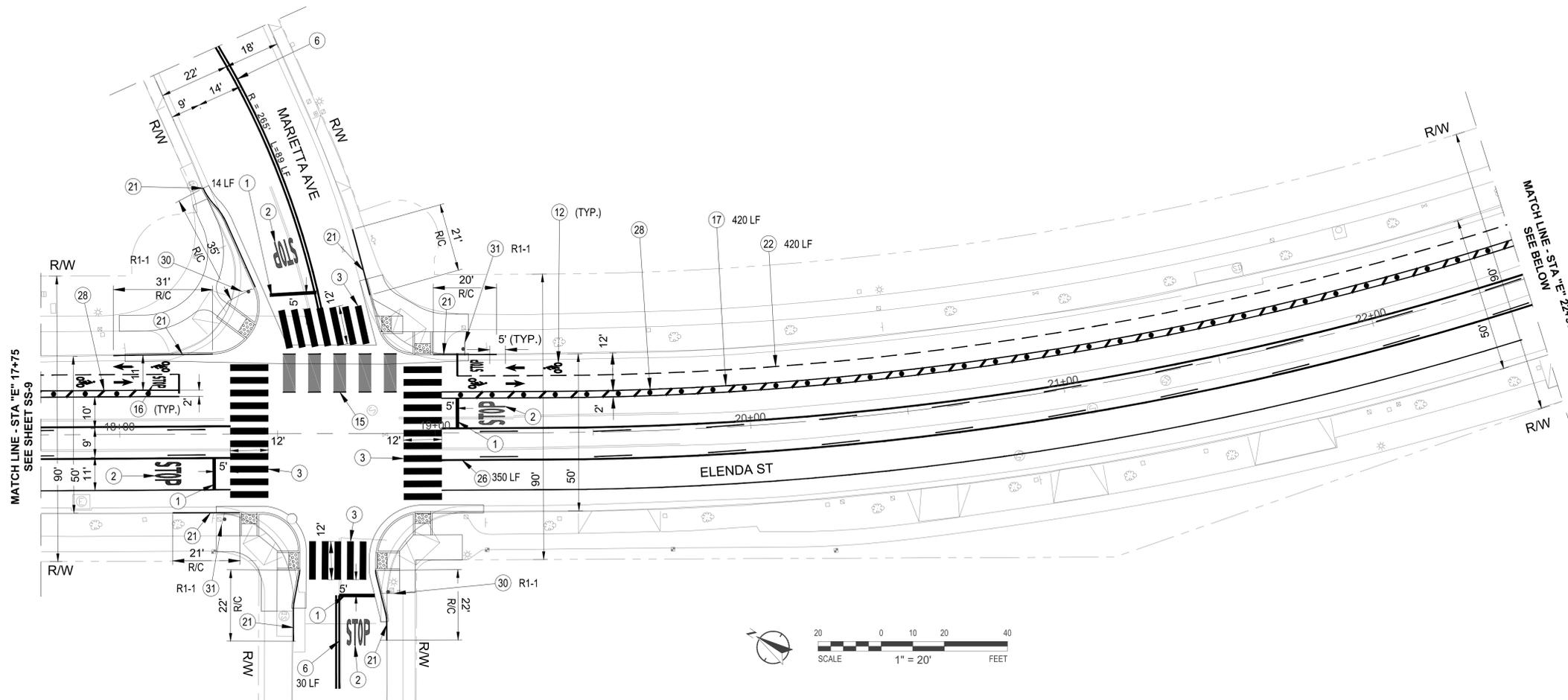


NO.	REVISION	BY	APPR.	DATE

SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-9	SHEET 36 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



- SHEET KEYNOTES**
- ① INSTALL 12" WHITE LIMIT LINE
 - ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
 - ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
 - ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
 - ⑨ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
 - ⑫ INSTALL BICYCLE LANE PAVEMENT MARKING PER DETAIL 10, SHEET D-2
 - ⑮ INSTALL GREEN SKIP BOXES PER DETAIL 11, SHEET D-2
 - ⑰ INSTALL BICYCLE STOP MARKING PER DETAIL 12, SHEET D-2
 - ⑰ INSTALL STRIPED BIKE LANE BUFFER PER DETAIL 13, SHEET D-2
 - ⑲ INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
 - ⑳ INSTALL TYPE VII ARROW MARKING PER CALTRANS STD PLAN A24A;
 - ㉑ PAINT CURB RED PER DETAIL 15, SHEET D-2
 - ㉒ INSTALL SHARED PATH CENTER LINE CAMUTCD FIGURE 9C-2 PASSING PERMITTED; DETAIL 16, SHEET D-2
 - ㉔ DOUBLE YELLOW CENTERLINE EXTENSION THROUGH INTERSECTION PER CALTRANS STD PLAN A20D DETAIL 41
 - ㉖ INSTALL STRIPING PER CALTRANS STD PLAN A20A DETAIL 15
 - ㉗ INSTALL STRIPING PER CALTRANS STD PLAN A20C DETAIL 37B
 - ㉘ INSTALL ZEBRA CYCLE LANE SEPARATED (ARMADILLO BARRIERS) PER DETAIL ON SHEET D2 OR APPROVED EQUIVALENT. (8' O.C.)
 - ㉙ INSTALL 12" YELLOW DIAGONAL LINES 24' O.C.
 - ㉚ RELOCATE SIGN AND POST PER LADOT STD DWG S-452
 - ㉛ INSTALL SIGN AND POST PER LADOT STD DWG S-452

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "E" 17+75.00 TO STA "E" 25+00.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-10-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN

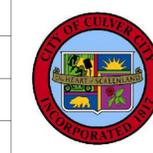


PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
DATE: 3/20/20



REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

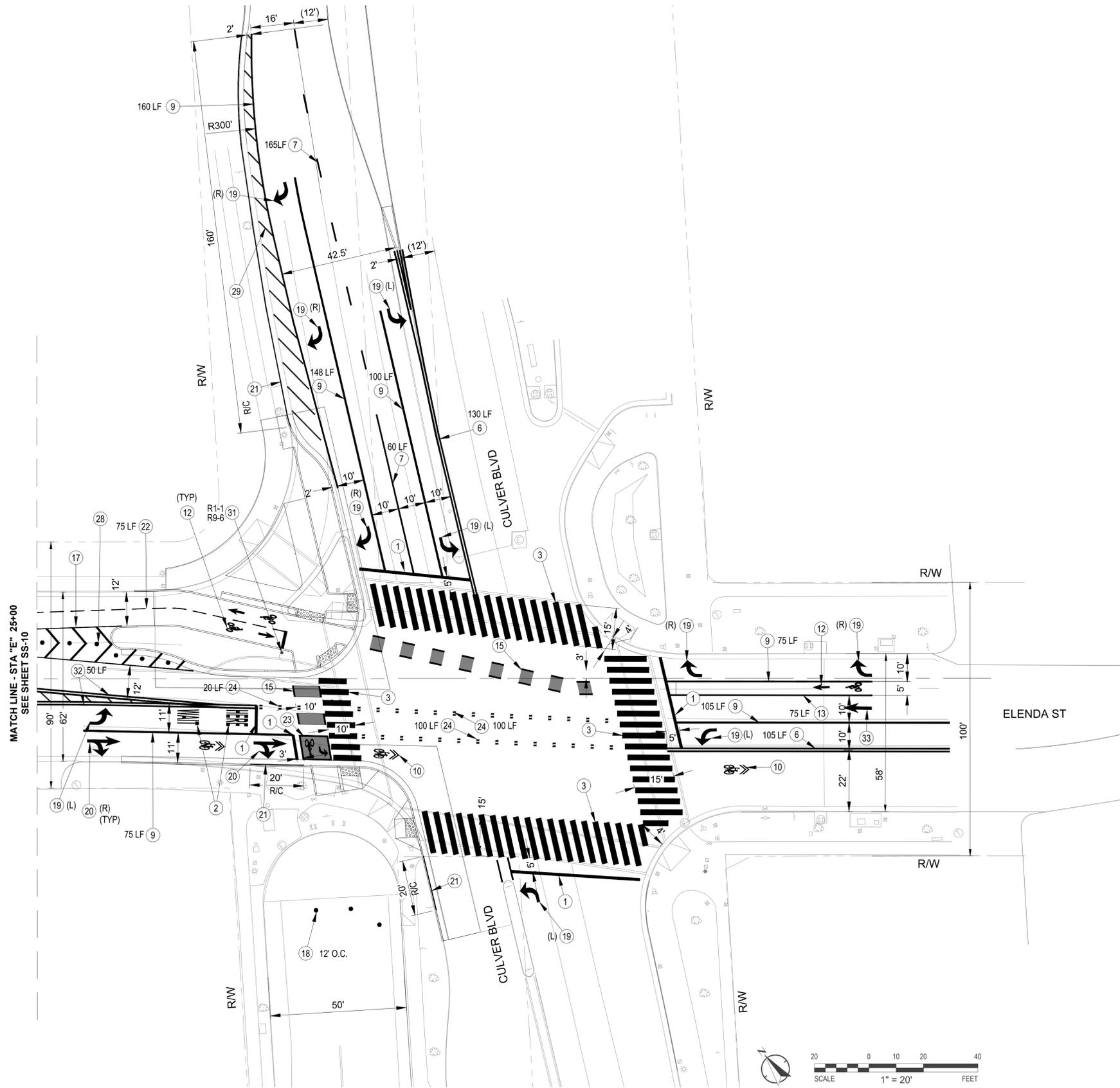


NO.	REVISION	BY	APPR.	DATE
1				
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SHEET TITLE: STRIPING PLAN
PROJECT NO: PL-006
SHEET: 37 OF 61

PLAN NO.: 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

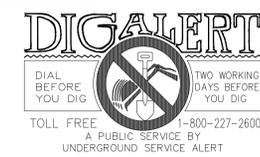


- ### SHEET KEYNOTES
- ① INSTALL 12" WHITE LIMIT LINE
 - ② INSTALL "PAVEMENT MARKING" PER CALTRANS STD PLAN A24D
 - ③ INSTALL CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F; DETAIL 9, SHEET D-2 (ALONG PROJECTION OF STRIPING AND IN-BETWEEN)
 - ⑥ INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 22, STD PLAN A20A
 - ⑦ INSTALL 6" WHITE LANE LINE PER CALTRANS DETAIL 8, STD PLAN A20A
 - ⑨ INSTALL 8" WHITE CHANNELIZING LINE PER CALTRANS DETAIL 38, PLAN A20D
 - ⑩ INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD PLAN A24C
 - ⑫ INSTALL BICYCLE LANE PAVEMENT MARKING PER DETAIL 10, SHEET D-2
 - ⑬ INSTALL 6" WHITE BIKE LANE LINE PER CALTRANS DETAIL 39, STD PLAN A20D
 - ⑭ INSTALL 6" WHITE INTERSECTION BIKE LANE LINE PER CALTRANS DETAIL 39A, STD PLAN A20D
 - ⑮ INSTALL GREEN SKIP BOXES PER DETAIL 11, SHEET D-2
 - ⑰ INSTALL STRIPED BIKE LANE BUFFER PER DETAIL 13, SHEET D-2
 - ⑱ SUPPLY AND INSTALL K-71 GREEN FLEXIBLE POST AS SHOWN, SEE DETAIL 14, SHEET D-2
 - ⑲ INSTALL TYPE IV ARROW MARKING PER CALTRANS STD PLAN A24A
 - ⑳ INSTALL TYPE VII ARROW MARKING PER CALTRANS STD PLAN A24A;
 - ㉑ PAINT CURB RED PER DETAIL 15, SHEET D-2
 - ㉒ INSTALL SHARED PATH CENTER LINE CAMUTCD FIGURE 9C-2 PASSING PERMITTED; DETAIL 16, SHEET D-2
 - ㉓ GREEN-BACKED BICYCLE TURN BOX PER DETAIL 17, SHEET D-2
 - ㉔ DOUBLE YELLOW CENTERLINE EXTENSION THROUGH INTERSECTION PER CALTRANS STD PLAN A20D DETAIL 41
 - ㉘ INSTALL ZEBRA CYCLE LANE SEPARATED (ARMADILLO BARRIERS) PER DETAIL ON SHEET D2 OR APPROVED EQUIVALENT. (8' O.C.)
 - ㉙ INSTALL 12" WHITE DIAGONAL LINES 24' O.C.
 - ㉚ INSTALL SIGN AND POST PER LADOT STD DWG S-452
 - ㉛ INSTALL 6" YELLOW MEDIAN STRIPE PER CALTRANS DETAIL 29, STD PLAN A20B
 - ㉜ INSTALL TYPE I ARROW PER CALTRANS STD PLAN A24A

ADDENDUM NO. 3

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
FROM STA "E" 25+00.00 TO STA "E" 28+50.00



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SS-11-STRP
DESIGNED BY: JDA
DRAWN BY: JDA
REVIEWED BY: SF
DATE: 3/24/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON 3/24/20
DATE



PRIME CONSULTANT
REVIEWED BY:
R.C.E. NO.
DATE
R.C.E. NO.
DATE



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

SHEET TITLE	PROJECT NO.
STRIPING PLAN	PL-006
SS-11	SHEET 38 OF 61

PLAN NO. 5057-172

PLANTING NOTES

- PRIOR TO BEGINNING WORK, LANDSCAPE CONTRACTOR SHALL REVIEW THE CIVIL ENGINEERING DRAWINGS FOR ANY SPECIAL CONDITIONS PARTICULARLY AS THEY PERTAIN TO GRADING FEATURES SUCH AS SWALES, DETENTION BASINS AND INFILTRATION AREAS THAT MAY HAVE AN EFFECT ON PLANTING AREAS.
- LANDSCAPE CONTRACTOR SHALL PROCURE AND RESERVE TREES AND PLANT MATERIAL AT START OF CONTRACT TO ENSURE AVAILABILITY AND QUALITY.
- PLANTS ARE SHOWN DIAGRAMMATICALLY ON PLAN THEREFORE PLANT SPACING IN PLANTING NOTES AND PLANTING SPECIFICATIONS TAKE PRECEDENCE TO PLANTS SHOWN ON THE PLAN. CONTRACTOR IS TO CALCULATE QUANTITY OF PLANTS CALLED FOR AND INSTALL ALL THAT ARE SHOWN ON PLAN AT THE SPACING IN THE LEGEND.
- ALL LANDSCAPE PLANTING, IRRIGATION AND PAVING DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AND APPROVED BY OWNER'S REPRESENTATIVE BEFORE 100% COMPLETION OF CONSTRUCTION.
- BEFORE THE DEMOLITION AND REMOVAL OF ANY EXISTING TREES, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE AND THEY WILL DESIGNATE ALL THE TREES TO BE PROTECTED IN PLACE OR TO BE REMOVED.
- CONTRACTOR SHALL PROTECT ALL PLANTS THAT ARE DESIGNATED "PROTECT IN PLACE". IF A PLANT WITH THIS DESIGNATION IS DAMAGED OR REMOVED, THE CONTRACTOR SHALL REPLACE THE PLANT WITH THE SAME SIZE AND SPECIES. IF THE PLANT DAMAGED IS A TREE, IT SHALL BE REPLACED WITH A SPECIES THAT IS CONSISTENT WITH THE CITY'S URBAN FORESTRY MASTER PLAN.
- EXISTING TREES THAT ARE TO BE REMOVED SHALL INCLUDE ROOTS. TYP.
- ALL TREES PLANTED WITHIN 10' OF ANY HARDSCAPE AREAS (STREET CURBS, DRIVEWAYS, AND SIDEWALKS) SHALL INCLUDE LINEAR ROOT BARRIERS. THE ROOT BARRIER SHALL EXTEND 5' ON EITHER SIDE OF TREE TRUNK. AVAILABLE THROUGH DEEP ROOT OR APPROVED EQUAL, (800) 766-8835. SPECIFICATION FOLLOWS:
 - FOR (36" BOX, 24" BOX, & 15 GAL.) TREES PLANTED WITHIN THE LIMIT OF: CURBS AND DRIVEWAYS USE MODEL#UB18-2
 - FOR (36" BOX, 24" BOX, & 15 GAL.) TREES PLANTED WITHIN THE LIMIT OF: SIDEWALKS USE MODEL#LB12-2
- SPREAD 3-4" LAYER OF WOOD CHIP MULCH UNDER AND IN BETWEEN ALL PLANTS SO AS TO LEAVE SOIL COMPLETELY COVERED WITH MULCH. THIS INCLUDES ALL PLANTING AREAS IN GREEN INFRASTRUCTURE IMPROVEMENTS.
- PRIOR TO PLANTING A TREE FILL THE HOLE WITH 10 GALLONS OF WATER. LET DRAIN, AMEND AND AFTER PLANTING, EACH TREE SHALL BE WATERED WITH A MINIMUM OF 20 GALLONS OF WATER. REPEAT THE WATERING TWICE IN THE NEXT 3 DAYS, NOT SOONER THAN AT 24-HOUR INTERVALS.
- WALLACE LABORATORIES TO CONDUCT SOIL TESTS AT THE LOCATIONS MARKED ON THE PLANTING PLANS WITH THE SYMBOL: . THESE TESTS ARE TO DETERMINE RECOMMENDED AMOUNTS OF FERTILIZER AND ANY HARMFUL SUBSTANCES THAT REQUIRE MITIGATION. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
- DURING SOIL PREPARATION AMEND PER THE SOIL TEST RESULTS. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
- LANDSCAPE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE GENERAL CONTRACTOR TO DISCUSS LANDSCAPE ISSUES BEFORE START OF CONSTRUCTION.

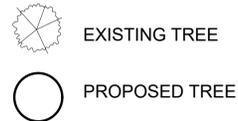
NOTE:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

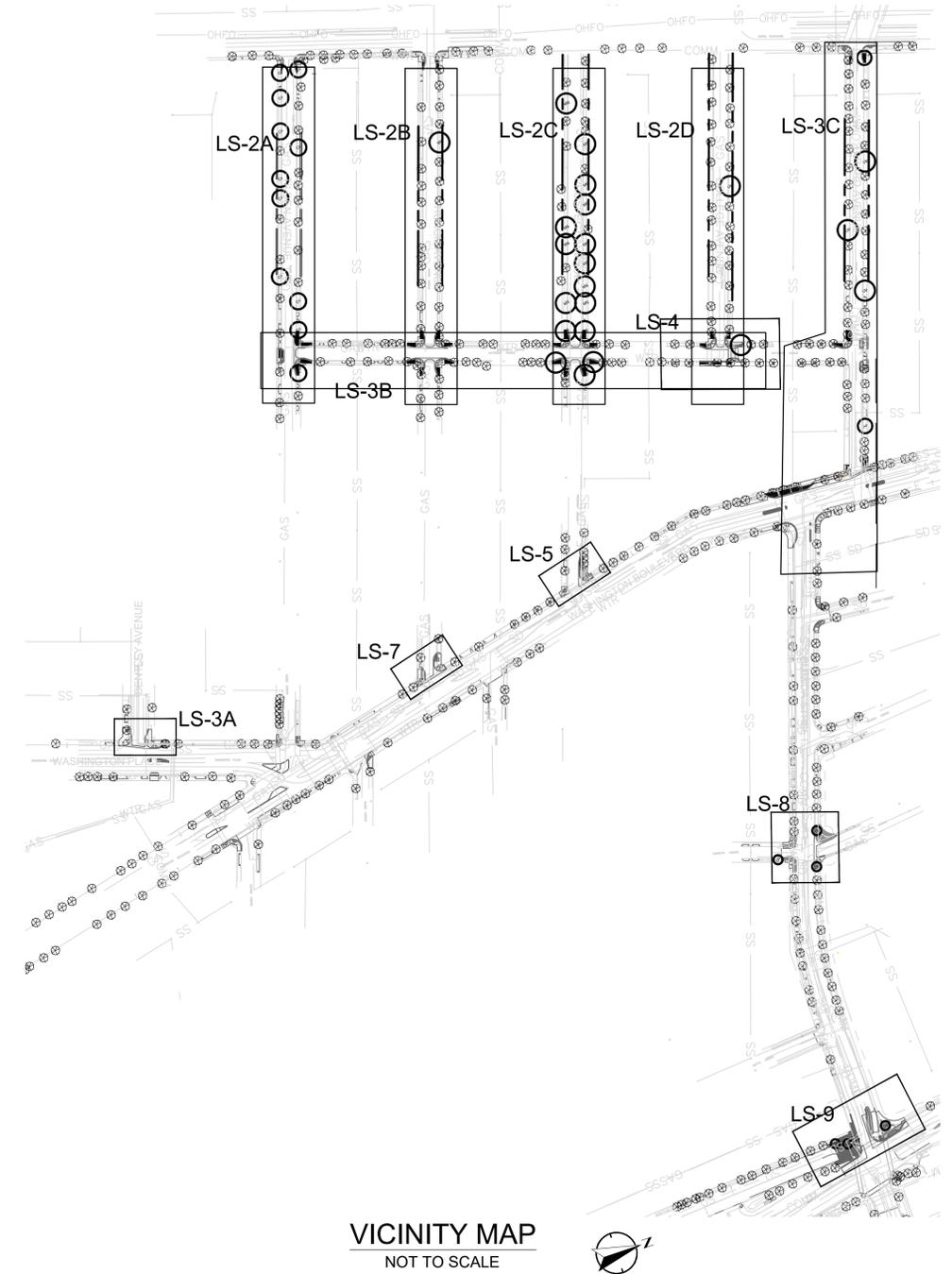
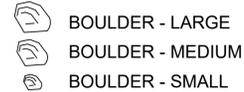
TREE PLANTING SYMBOLS



SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
	<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince Wild Rye	5-GAL	2-3'	2-3'

SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_LSCP
 DESIGNED BY: LK
 DRAWN BY: LK
 REVIEWED BY: GM
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 GREG MAHER
 DATE: 3/20/20



PRIME CONSULTANT
 REVIEWED BY:
 R.C.E. NO.
 DATE
 REVIEWED BY:
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE
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2				
3				

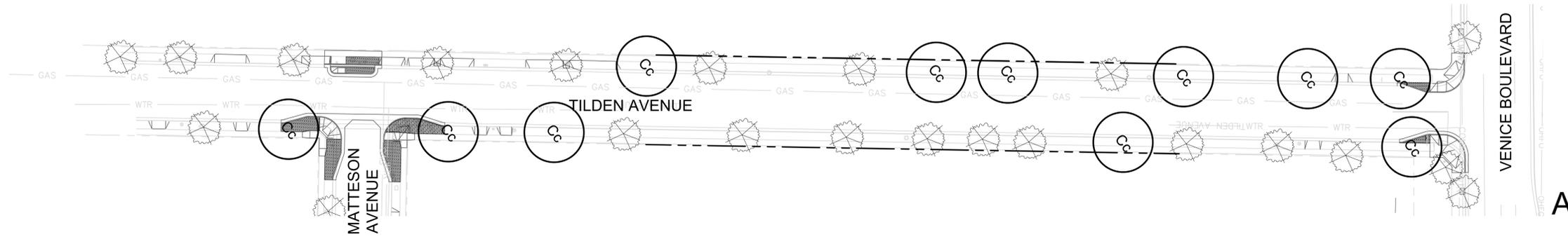
CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE: LANDSCAPE KEYMAP
 SHEET NO.: LS-1
 PROJECT NO.: PL-006
 SHEET: 39 OF 61

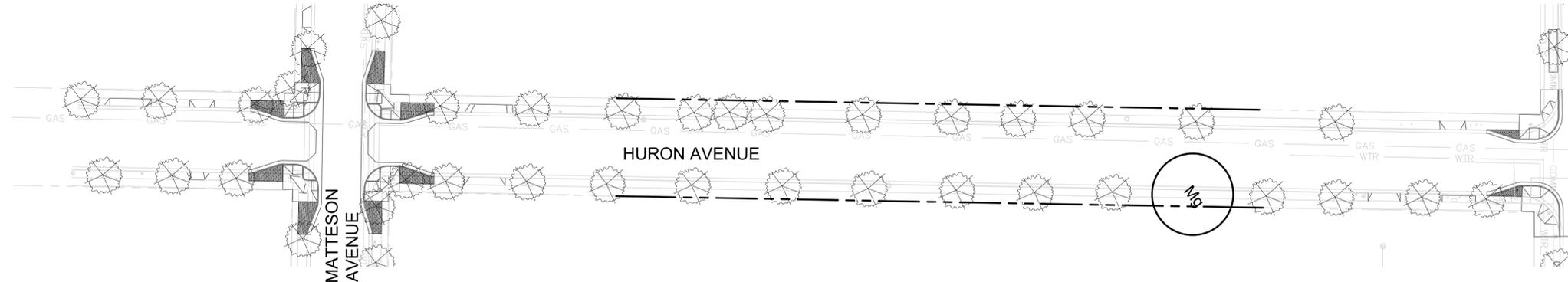
PLAN NO.: 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



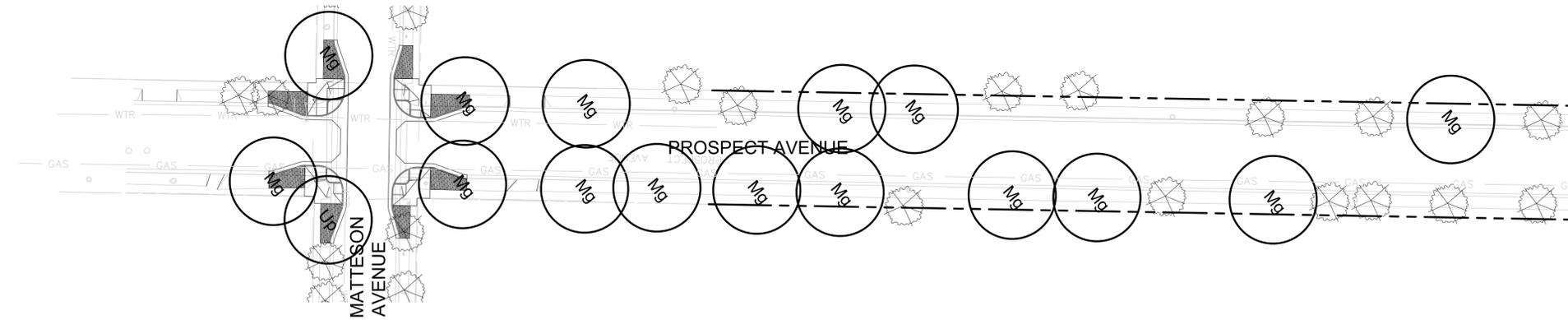
VENICE BOULEVARD

A



VENICE BOULEVARD

B



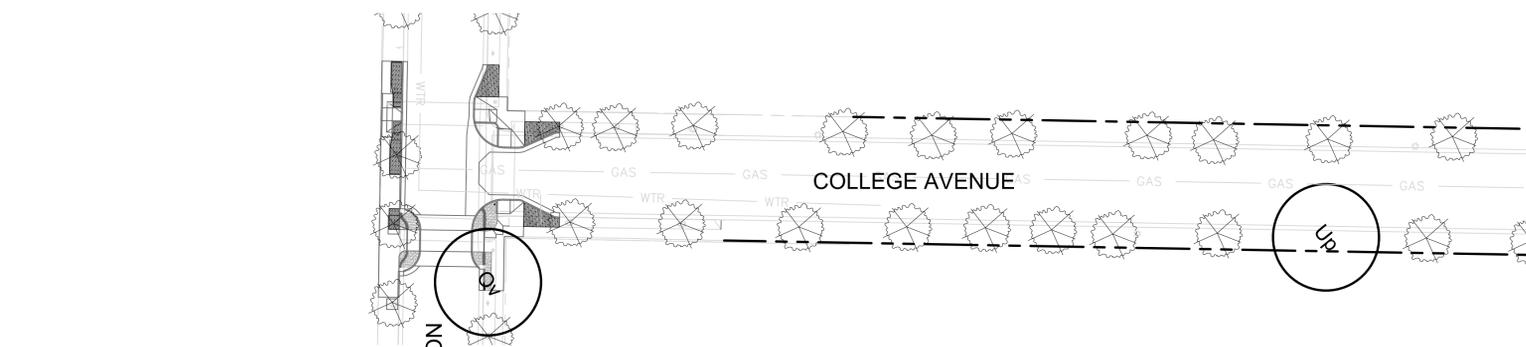
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TREE PLANTING LEGEND

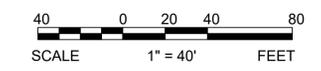
SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

TREE PLANTING SYMBOLS

-  EXISTING TREE
-  PROPOSED TREE



D



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE LANDSCAPE PLAN	SHEET NO. LS-2	PROJECT NO. PL-006
		SHEET 40 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER 3/20/20 DATE



REVIEWED BY:
REVIEWED BY:

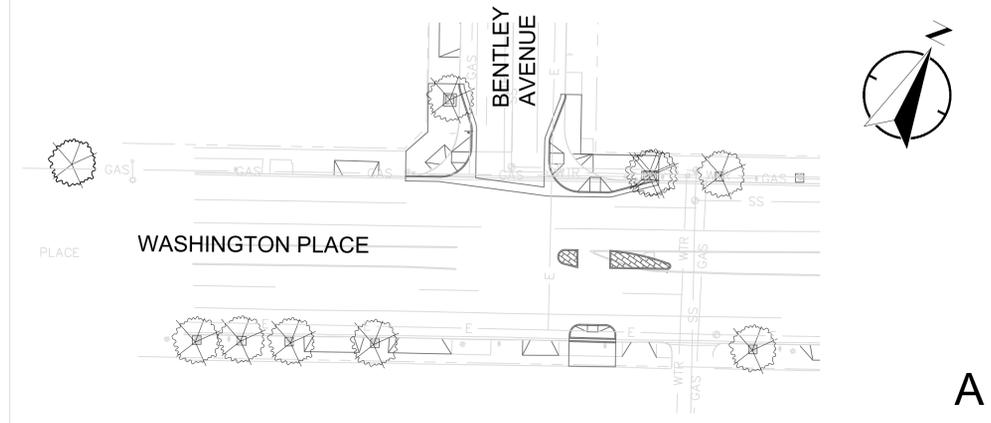
R.C.E. NO.
DATE
R.C.E. NO.
DATE



1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

PLAN NO. 5049-21B

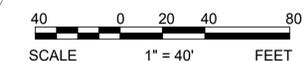
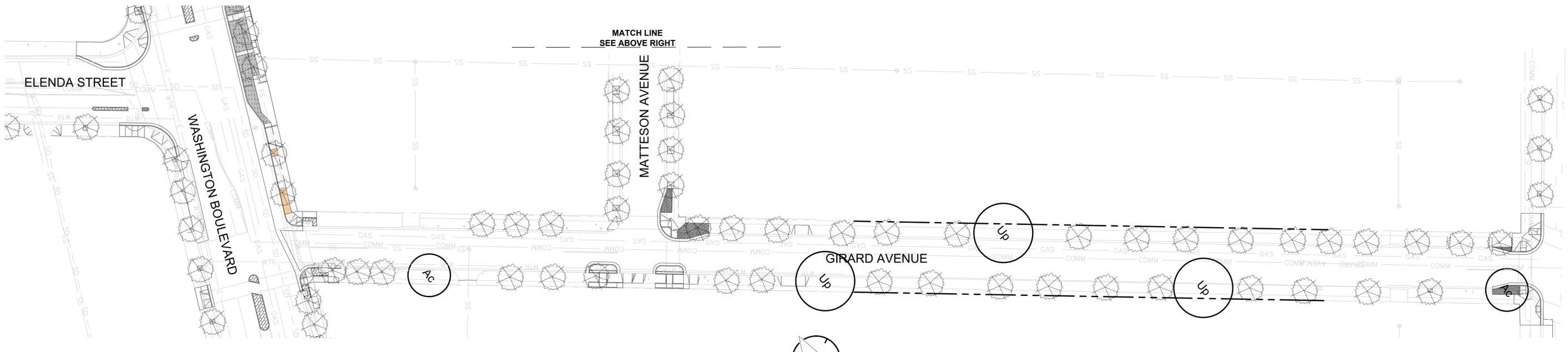
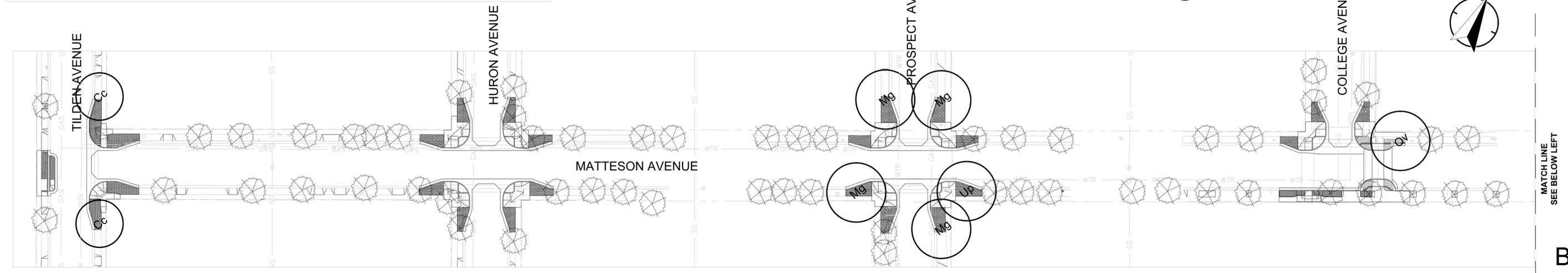
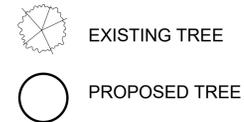
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

TREE PLANTING SYMBOLS



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL		
SHEET TITLE	SHEET NO.	PROJECT NO.
LANDSCAPE PLAN	LS-3	PL-006
		SHEET 41 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER 3/20/20 DATE



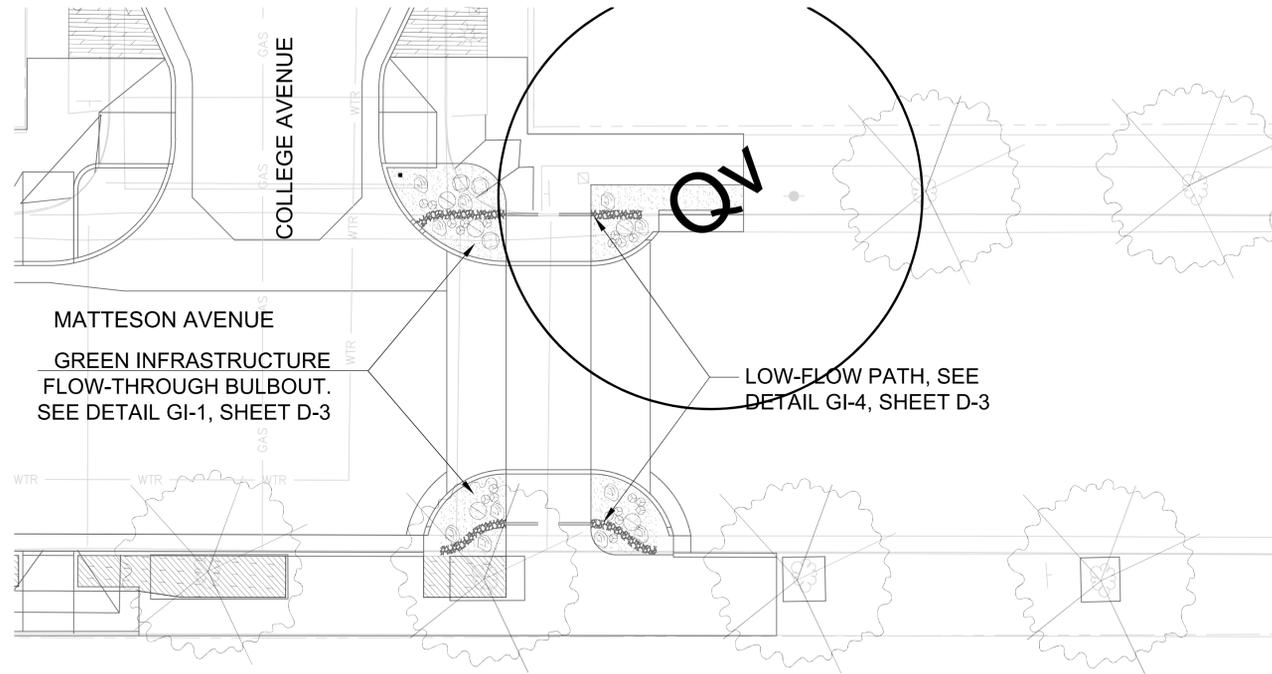
PRIME CONSULTANT
REVIEWED BY:
R.C.E. NO.
DATE
REVIEWED BY:
R.C.E. NO.
DATE



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NO.	REVISION	BY	APPR.	DATE

PLAN NO. 5049-218

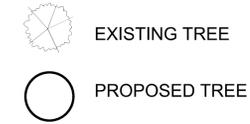
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

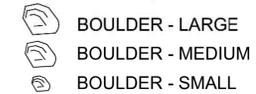
TREE PLANTING SYMBOLS



SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
⊗	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
⊖	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
⊕	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
⊗	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
⊖	<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince Wild Rye	5-GAL	2-3'	2-3'

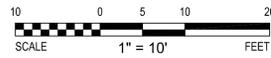
SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS



NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEETS G-1 AND G-2.
- FOR DEMOLITION, GRADING, DRAINAGE & UTILITY REFER TO CIVIL DRAWINGS SHEETS CD-01 to CD-20.
- FOR PLANTING DRAWING NUMBERS AT THIS LOCATION AND KEY MAP REFER TO SHEET LS-1

MATTESON AVE AND COLLEGE AVE



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER
DATE: 3/20/20

PRIME CONSULTANT
alta
PLANNING + DESIGN
www.altaplanning.com

REVIEWED BY:
REVIEWED BY:
DATE:
DATE:

R.C.E. NO.
DATE
R.C.E. NO.
DATE

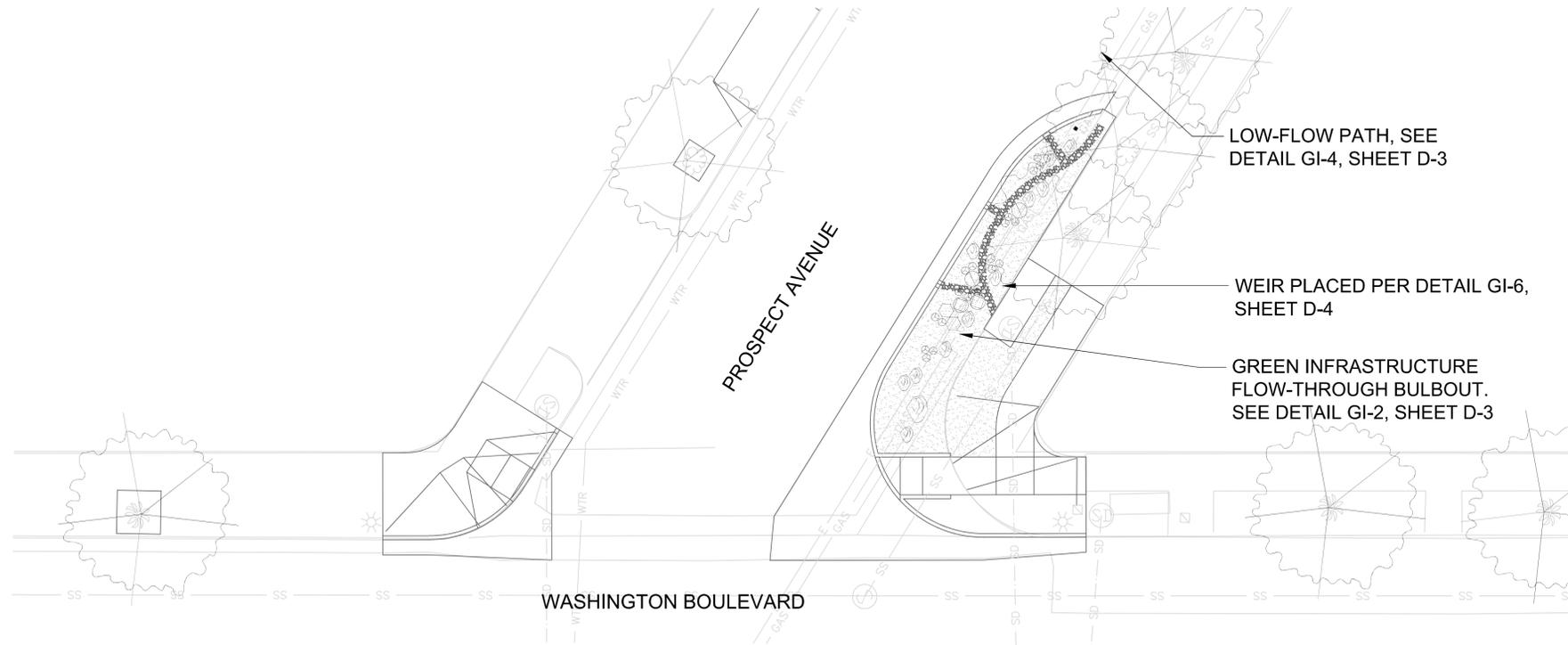


NO.	REVISION	BY	APPR.	DATE

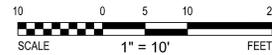
SHEET TITLE	SHEET NO.	PROJECT NO.
LANDSCAPE PLAN	LS-4	PL-006
		SHEET 42 OF 61

PLAN NO. 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



WASHINGTON BOULEVARD AND PROSPECT AVE



SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
⊗	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
⊖	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
⊕	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
⊗	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
⊖	<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince Wild Rye	5-GAL	2-3'	2-3'

SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS

- BOULDER - LARGE
- BOULDER - MEDIUM
- BOULDER - SMALL

TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

TREE PLANTING SYMBOLS

- EXISTING TREE
- PROPOSED TREE

NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEETS G-1 AND G-2.
- FOR DEMOLITION, GRADING, DRAINAGE & UTILITY REFER TO CIVIL DRAWINGS SHEETS CD-01 TO CD-20.
- FOR PLANTING DRAWING NUMBERS AT THIS LOCATION AND KEY MAP REFER TO SHEET LS-1

CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER 3/20/20
DATE



PRIME CONSULTANT
alta
PLANNING + DESIGN
www.altaplanning.com

REVIEWED BY:

DATE: _____
REVIEWED BY:

DATE: _____

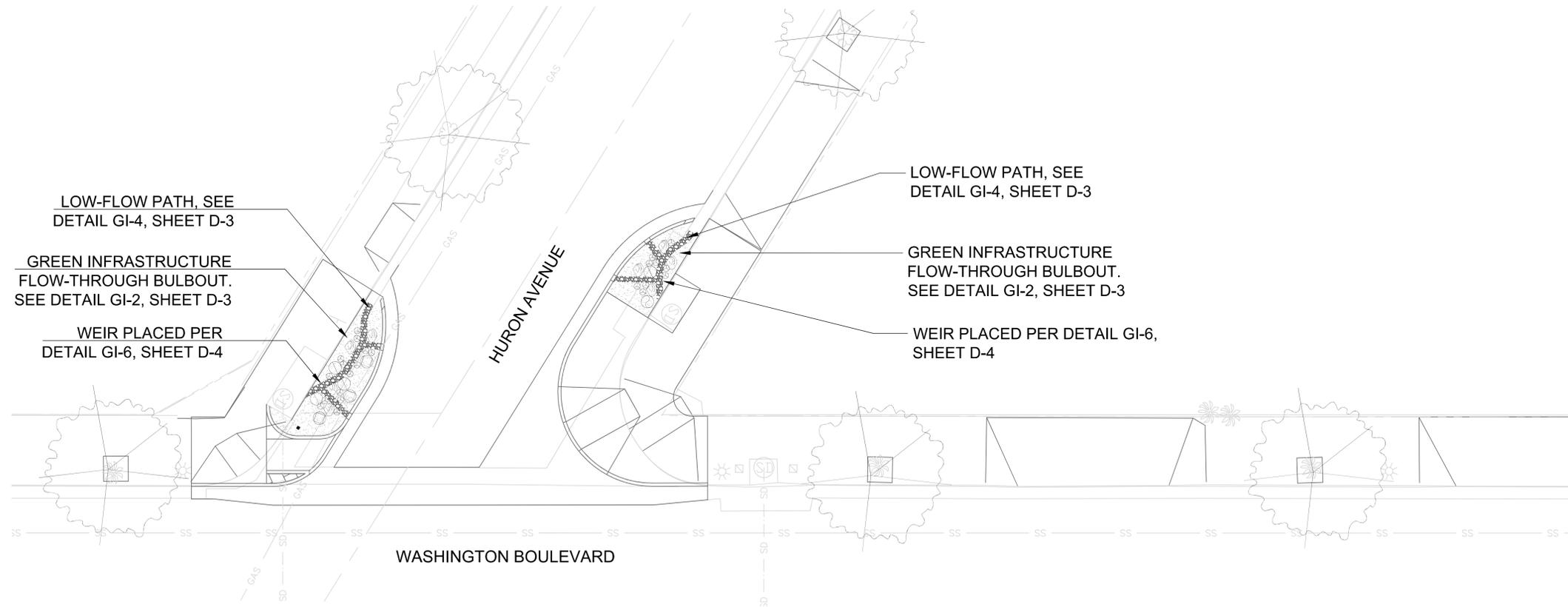


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NO.	REVISION	BY	APPR. DATE

SHEET TITLE	SHEET NO.	PROJECT NO.
LANDSCAPE PLAN	LS-5	PL-006
		SHEET 43 OF 61

PLAN NO. 5049-218

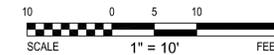
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



WASHINGTON BLVD AND HURON AVE

NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEETS G-1 AND G-2.
- FOR DEMOLITION, GRADING, DRAINAGE & UTILITY REFER TO CIVIL DRAWINGS SHEETS CD-01 to CD-20.
- FOR PLANTING DRAWING NUMBERS AT THIS LOCATION AND KEY MAP REFER TO SHEET LS-1



TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

TREE PLANTING SYMBOLS

- EXISTING TREE
- PROPOSED TREE

SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
	<i>Leymus condensatus</i>	Canyon Prince	5-GAL	2-3'	2-3'
	'Canyon Prince'	Wild Rye			

SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS

- BOULDER - LARGE
- BOULDER - MEDIUM
- BOULDER - SMALL



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_LSCP
 DESIGNED BY: LK
 DRAWN BY: LK
 REVIEWED BY: GM
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 GREG MAHER 3/20/20
 DATE



PRIME CONSULTANT
 REVIEWED BY:
 R.C.E. NO.
 DATE
 REVIEWED BY:
 R.C.E. NO.
 DATE

R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE
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2				
3				

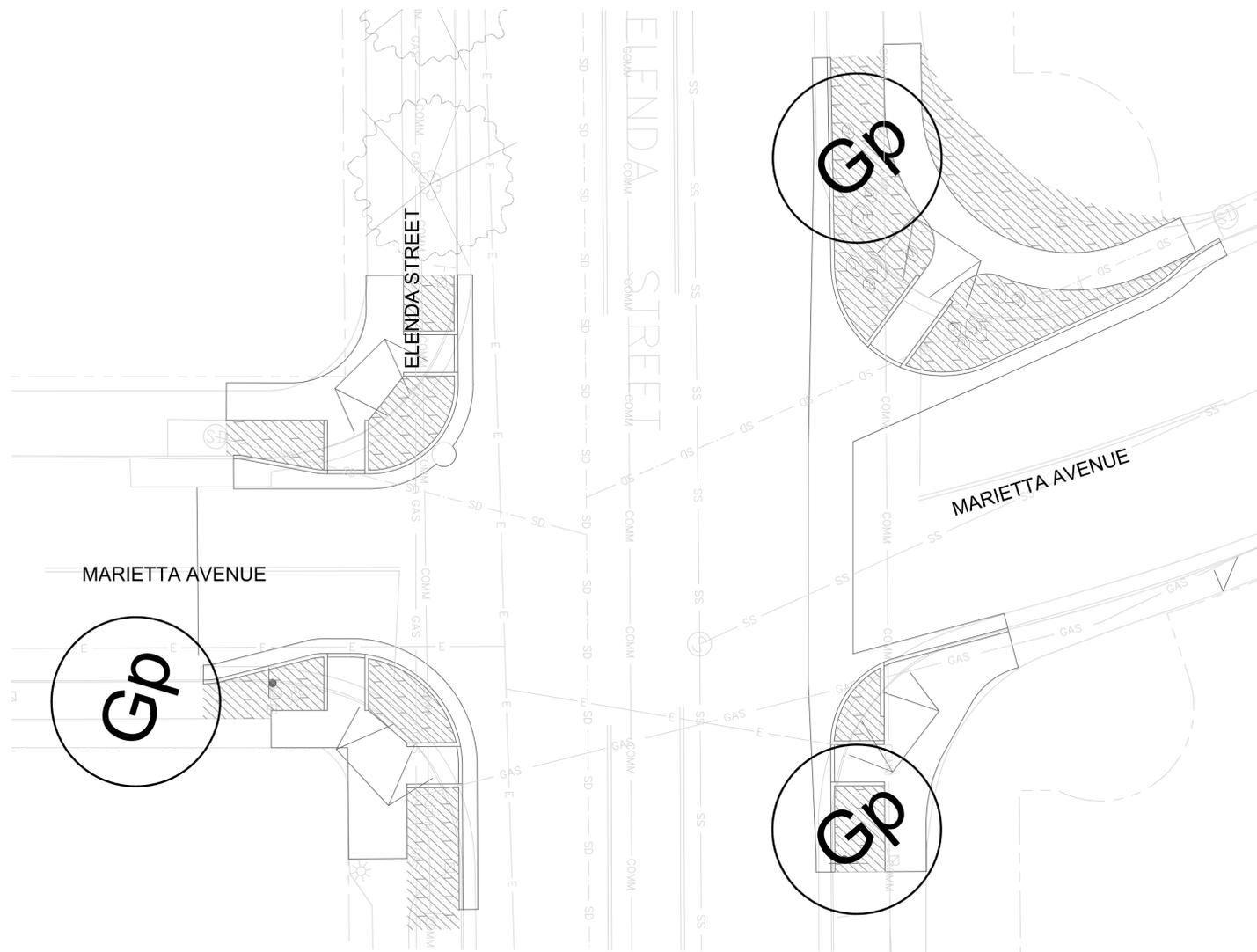
CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

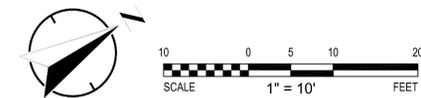
SHEET TITLE	SHEET NO.	PROJECT NO.
LANDSCAPE PLAN	LS-7	PL-006
		SHEET 45 OF 61

PLAN NO. 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



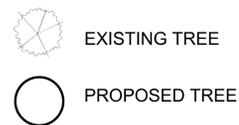
ELENDA ST AT MARIETTA AVE



TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Qv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

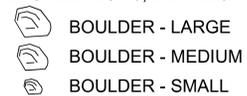
TREE PLANTING SYMBOLS



SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
⊙	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
⊖	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
⊕	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
⊗	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
⊙	<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince Wild Rye	5-GAL	2-3'	2-3'

SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS



NOTES:

- FOR NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEETS G-1 AND G-2.
- FOR DEMOLITION, GRADING, DRAINAGE & UTILITY REFER TO CIVIL DRAWINGS SHEETS CD-01 TO CD-20.
- FOR PLANTING DRAWING NUMBERS AT THIS LOCATION AND KEY MAP REFER TO SHEET LS-1



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_LSCP
 DESIGNED BY: LK
 DRAWN BY: LK
 REVIEWED BY: GM
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 GREG MAHER 3/20/20
 DATE



PRIME CONSULTANT
 REVIEWED BY:
 REVIEWED BY:

R.C.E. NO.
 DATE
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE

CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

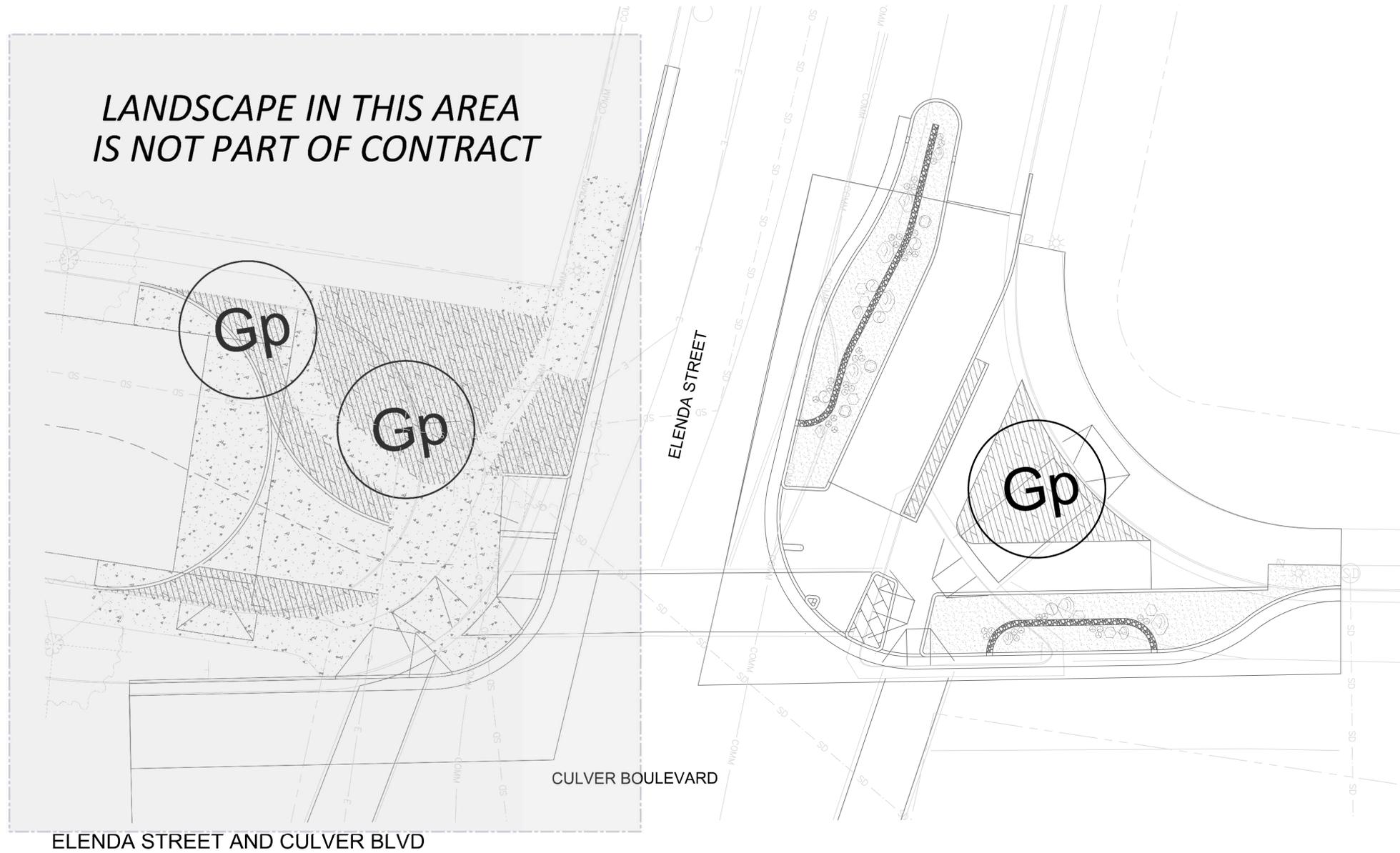
LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE: LANDSCAPE PLAN
 SHEET NO.: LS-8
 PROJECT NO.: PL-006
 SHEET 46 OF 61

PLAN NO. 5049-218

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

LANDSCAPE IN THIS AREA
IS NOT PART OF CONTRACT

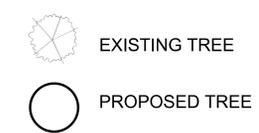


- NOTES:**
- FOR NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEETS G-1 AND G-2.
 - FOR DEMOLITION, GRADING, DRAINAGE & UTILITY REFER TO CIVIL DRAWINGS SHEETS CD-01 to CD-20.
 - FOR PLANTING DRAWING NUMBERS AT THIS LOCATION AND KEY MAP REFER TO SHEET LS-1

TREE PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	SPACING
Cc	<i>Cinnamomum camphora</i>	Camphor Tree	24" box	50-60'	40'
Mg	<i>Magnolia grandiflora</i>	Southern Magnolia	24" box	60-80'	40'
Ac	<i>Angophora costata</i>	Apple Gum	24" box	40-50'	20'
Gp	<i>Geijera parviflora</i>	Australian Willow	24" box	20-30'	20'
Up	<i>Ulmus parvifolia</i>	Chinese Elm	24" box	40-50'	30'
Cv	<i>Quercus virginiana</i>	Live Oak	24" box	40-80'	40'

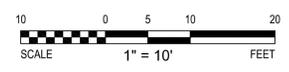
TREE PLANTING SYMBOLS



SHRUB PLANTING LEGEND

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	HEIGHT	WIDTH
Periodic Inundation					
⊕	<i>Carex pansa</i>	California Meadow Sedge	1-GAL	8"	1'
⊖	<i>Carex spissa</i>	San Diego Sedge	5-GAL	3-4'	2-3'
⬡	<i>Juncus patens</i>	California Grey Rush	5-GAL	2'	2'
Above Ponding Area					
⊙	<i>Achillea millefolium</i>	Common Yarrow	5-GAL	2'	2'
⊙	<i>Leymus condensatus</i> 'Canyon Prince'	Canyon Prince Wild Rye	5-GAL	2-3'	2-3'

- SEE SHEET LS-10, DETAIL 5 FOR BOULDER DIMENSIONS
- ⊕ BOULDER - LARGE
 - ⊖ BOULDER - MEDIUM
 - ⊙ BOULDER - SMALL



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE	SHEET NO.	PROJECT NO.
LANDSCAPE PLAN	LS-9	PL-006
		SHEET 47 OF 61

DIGALERT
DIAL BEFORE YOU DIG
TWO WORKING DAYS BEFORE YOU DIG
TOLL FREE 1-800-227-2600
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER 3/20/20
DATE

PRIME CONSULTANT
alta
PLANNING + DESIGN
www.altaplanning.com

REVIEWED BY:
REVIEWED BY:

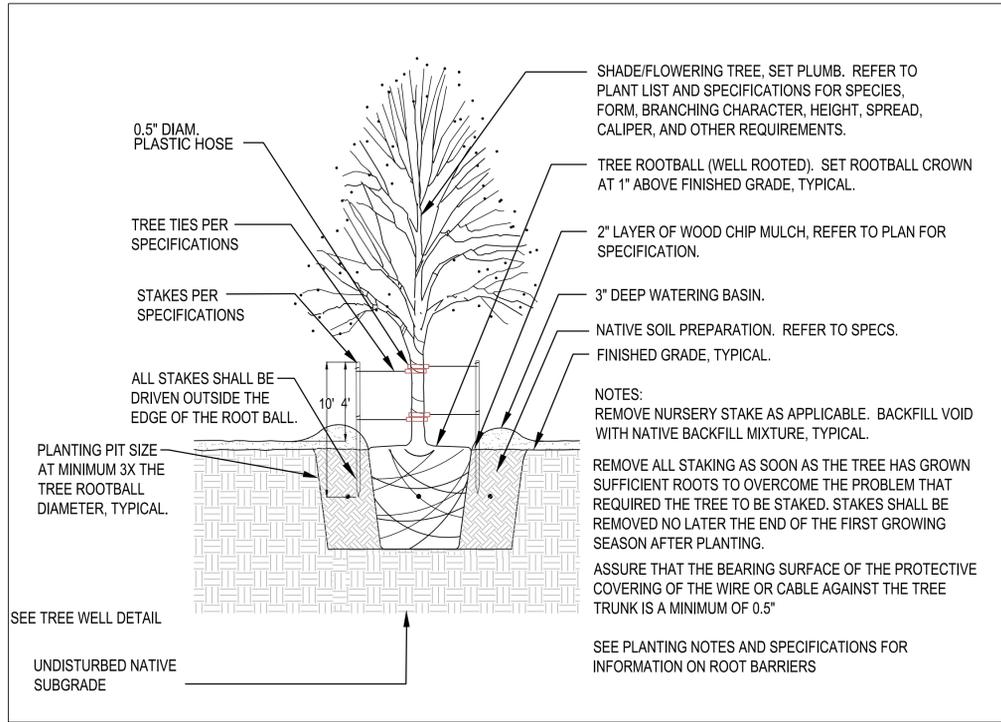
R.C.E. NO.
DATE
R.C.E. NO.
DATE



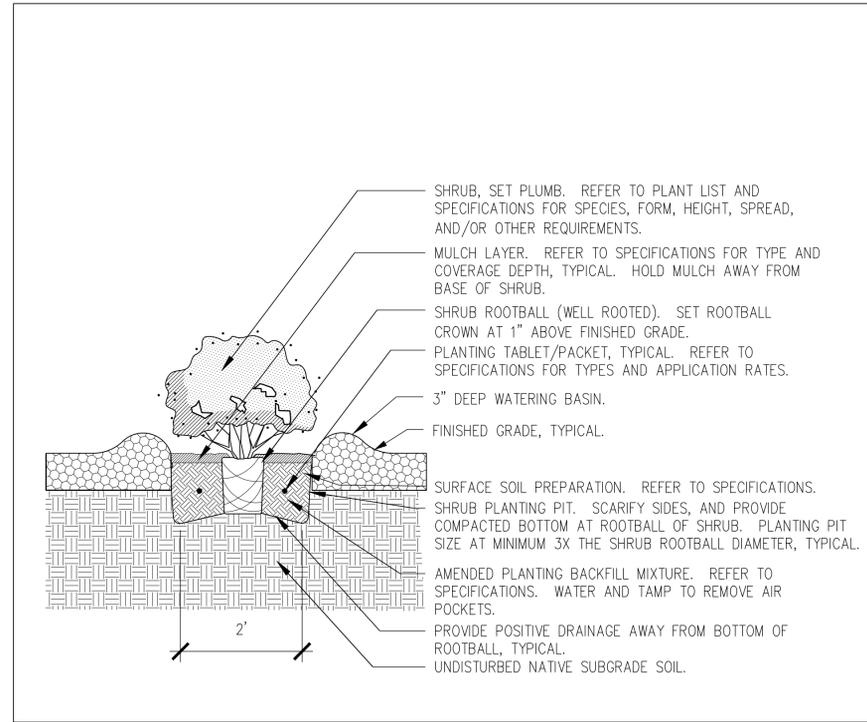
1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

PLAN NO. 5049-218

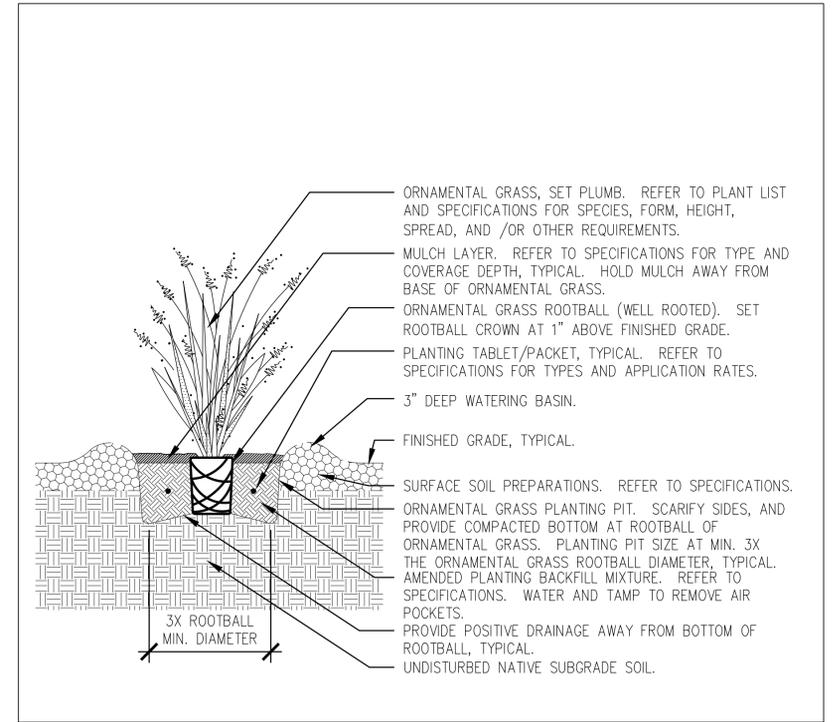
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



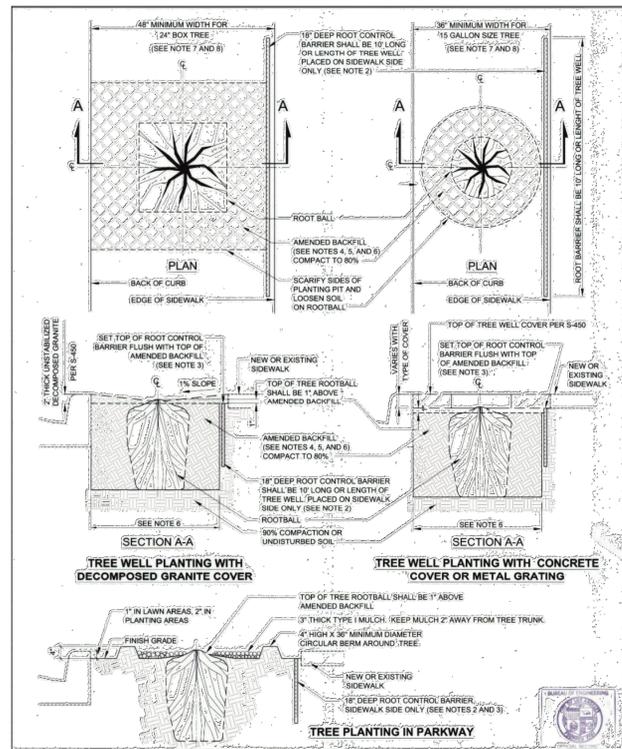
1 TREE PLANTING



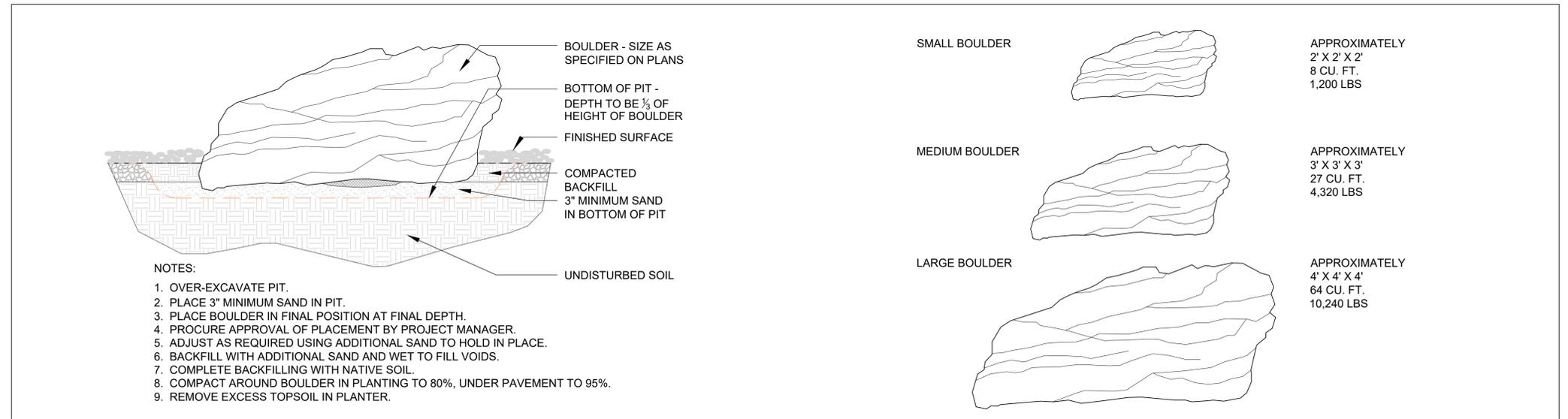
2 SHRUB PLANTING



3 NATIVE GRASS PLANTING



4 ROOT BARRIER



5 BOULDER



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_LSCP
DESIGNED BY: LK
DRAWN BY: LK
REVIEWED BY: GM
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
GREG MAHER 3/20/20 DATE



REVIEWED BY:
REVIEWED BY:

R.C.E. NO.
DATE

R.C.E. NO.
DATE



1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

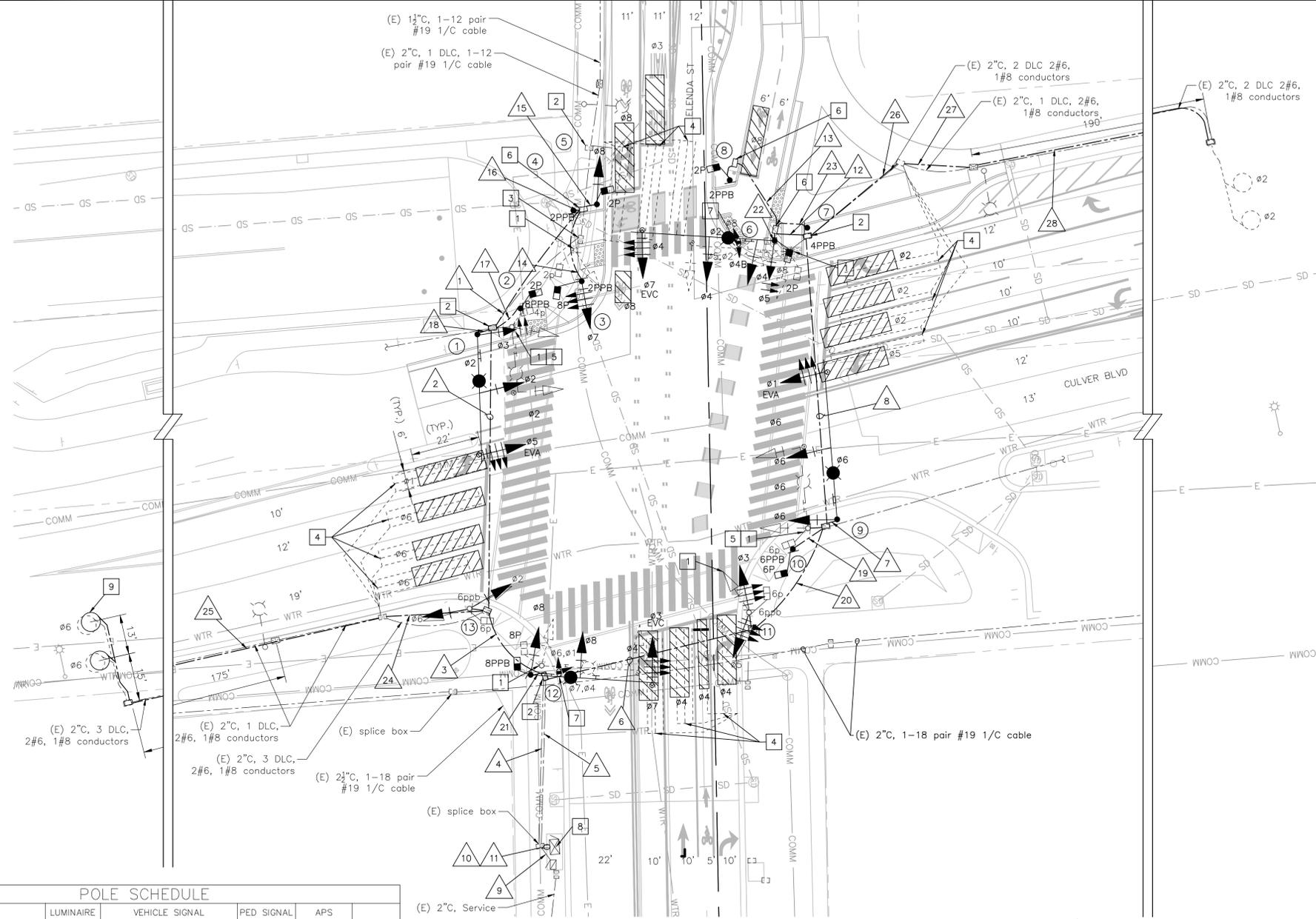
CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE: LANDSCAPE DETAILS
SHEET NO.: LS-10
PROJECT NO.: PL-006
SHEET 48 OF 61

PLAN NO. 5049-218

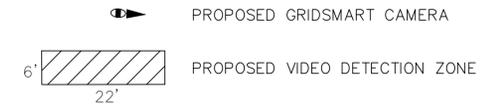
Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



SIZE No.	CABLE / WIRE	CONDUCTOR SCHEDULE																	
		RUN																	
M	3 CONDUCTOR CABLE 3 X #14																		
L	5 CONDUCTOR CABLE 5 X #14	1	1	1	6	4	2	2	6	2	1				4	1	2		
I	9 CONDUCTOR CABLE 8 X #14 & 1 X #10 (COM)	1	2	3	7	3	2	7	2	1	1				1	2	1	2	
	13 CONDUCTOR CABLE 12 X #14 & 1 X #10 (COM)	1	1	2	1	1		2							1	1			
12	ISNS	1	1	4		2	1	1							1	2	1	1	
8	SIGNAL LUMINAIRE	1	1	4		2	1	1							1	2	1	1	
6	SERVICE									1		1							
14	PED PUSHBUTTON (APS)	2	3	3	6	3	2	2			1	1	1	1	1	3	1	1	
12	BUS DLC (1-PAIR)																		
18	DLC (2 PAIR)			2					2							1	1	1	1
18	DLC (3 PAIR)																		
18	VIDEO DETECTION SYSTEM		2	1	1	1	2	1							1	1	1		
14	DLC (EXISTING)																		
22	I/C (12 PAIR)																		
14	ACCESSIBLE PEDESTRIAN SIGNAL (APS)	2	3	3	6	3	2	2			1	1	1	1	1	3	1	1	
	CONDUIT SIZE	2"	2"	2"	2"	3"	2"	2"	3"	3"	2"	2"	2"	2"	2"	2"	2"	2"	2"

NOTE: ALL CONDUIT AND WIRING SHALL BE NEW UNLESS OTHERWISE SPECIFIED

LEGEND



EMERGENCY VEHICLE PREEMPTION
 WHEN PREEMPTION IS INITIATED, HOLD THE E.V. CLEARANCE PHASES. IF E.V. CLEARANCE PHASES ARE NOT GREEN, ADVANCE TO THEM AFTER TIMING THE CONFLICTING PED & VEH. CLEARANCE INTERVALS. AFTER PREEMPTION, RESUME NORMAL OPERATION FROM CURRENT POSITION. E.V. CLEARANCE PHASES ARE:

- EVA: ø2
- EVC: ø4

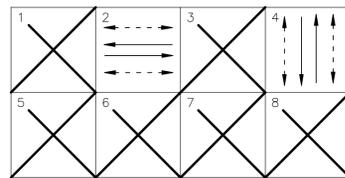
CONSTRUCTION NOTES

- REMOVE & SALVAGE (E) TRAFFIC SIGNAL EQUIPMENT, STANDARD PULLBOX, FOUNDATION AND ABANDON (E) CONDUIT(S). ANY DAMAGE TO (E) INFRASTRUCTURE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE UNLESS THE PROJECT ENGINEER DETERMINES OTHERWISE.
- ADJUST & PROTECT IN PLACE (E) PULL BOX TO NEW FINISHED GRADE. CONNECT NEW CONDUIT INTO (E) PULL BOX.
- REMOVE & DISPOSE (E) PULL BOX. ABANDON CONDUIT.
- REMOVE & SALVAGE (E) LOOP DETECTOR.
- REMOVE & DISPOSE (E) HPS LUMINAIRE. INSTALL NEW LED LUMINAIRE.
- INSTALL PULL BOX TO NEW FINISHED GRADE & INTERCEPT (E) CONDUIT.
- INSTALL VIDEO DETECTION CAMERA ON LUMINAIRE MAST ARM PER CALTRANS REVISED STANDARD PLAN ES-7R, DETAIL C. VIDEO DETECTION SHALL BE GRIDSMART OR APPROVED EQUAL.
- INSTALL VIDEO DETECTION SYSTEM IN CONTROLLER CABINET.
- RE-INSTALL EASTBOUND ADVANCED DETECTORS

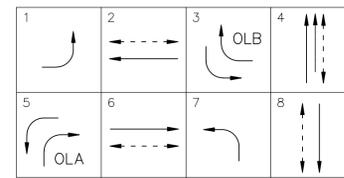
- REMOVE POLE TYPES AS INDICATED:
- 17-2-70
 - 1-A
 - (3) 19-2-70

POLE SCHEDULE										
POLE DATA			LUMINAIRE		VEHICLE SIGNAL		PED SIGNAL		APS	
NO.	TYPE	HEIGHT	SMA	LMA	WATT S	MAST ARM MOUNTING	POLE MOUNTING	MOUNTING	ø	POLE QUAD
1	26-4-100	30'	40'	15'	250W	MAS	SV-1-T	-	-	ELENDA ST
2	1-A	7'-2"	-	-	-	-	-	SP-1-CS	4	N
3	1-A	10'	-	-	-	-	TV-1-T	SP-1-CS	2	E
4	PPB POST	4'-7"	-	-	-	-	-	-	2	S
5	1-A	10'	-	-	-	-	TV-1-T	SP-1-T	-	-
6	19-2-100	30'	45'	12'	250W	MAS	SV-2-TA	-	-	CULVER BL
7	PPB POST	4'-7"	-	-	-	-	-	-	4	S
8	1-A	10'	-	-	-	-	-	SP-1-CS	2	E
9	26-4-100	30'	50'	15'	250W	MAS	SV-1-T	-	-	ELENDA ST
10	1-A	7'-2"	-	-	-	-	-	SP-1-CS	2	E
11(E)	1-A	10'	-	-	-	-	TV-2-T	SP-1-CS	2	W
12	24-4-100	30'	40'	12'	250W	MAS	SV-1-T	SP-1-T	2	W
13(E)	1-A	10'	-	-	-	-	TV-1-T	SP-1-CS	4	N

NOTES:
 EQUIPMENT IN THE ABOVE TABLE IS NEW UNLESS OTHERWISE NOTED. ALL POLE LOCATIONS SHALL BE APPROVED BY THE ENGINEER IN THE FIELD PRIOR TO INSTALLATION OF FOUNDATION.
 * CONTRACTOR TO REMOVE & DISPOSE OF (E) EQUIPMENT.

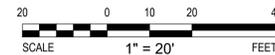


EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

**REFERENCE ONLY,
 CONSTRUCT BY OTHERS**



ADDENDUM NO. 3

CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
 ELENDA ST/ CULVER BLVD

SHEET TITLE	PROJECT NO.
TRAFFIC SIGNAL PLAN	PL-006
TS-1	SHEET 49 OF 61



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_SIGNAL
 DESIGNED BY: ALTA TEAM
 DRAWN BY: ALTA TEAM
 REVIEWED BY: VH/SF
 DATE: 3/25/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON SF 3/25/20 DATE



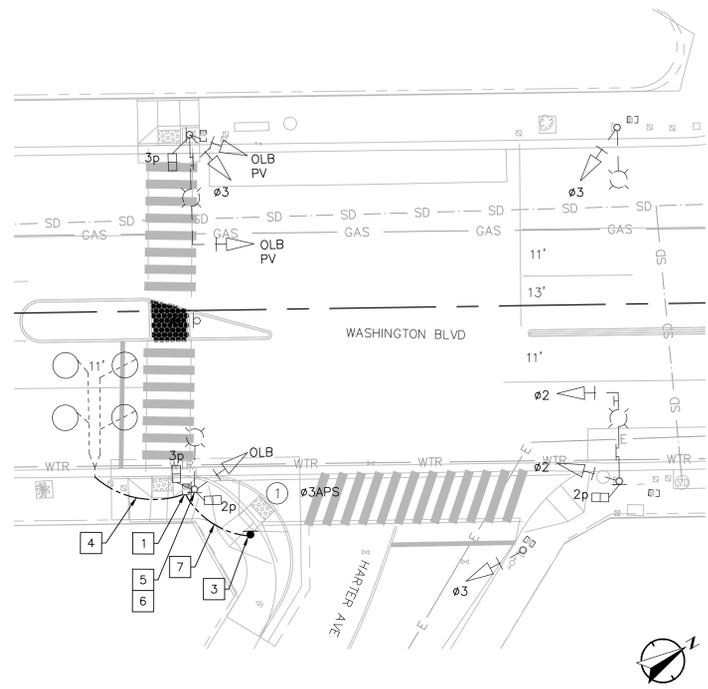
PRIME CONSULTANT
 REVIEWED BY:
 R.C.E. NO.
 DATE



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

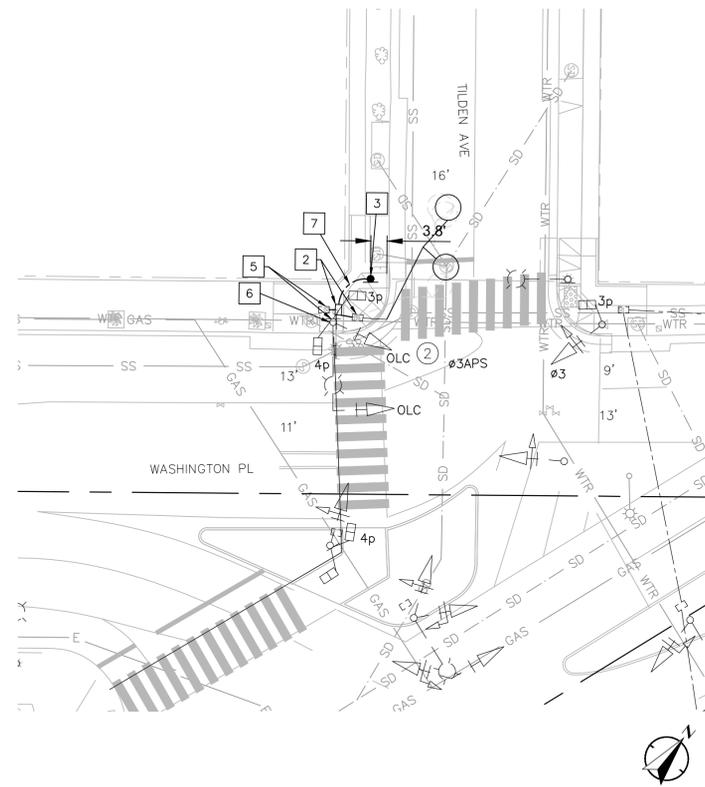
PLAN NO. 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



GENERAL NOTES

1. NOT ALL (E) EQUIPMENT, CONDUITS, AND PULL BOXES ARE SHOWN ON PLANS. CONTRACTOR SHALL FIELD VERIFY (E) WIRING, PHASING AND CONDUIT PRIOR TO CONSTRUCTION.
2. ALL MATERIAL AND WORK SHALL CONFORM TO THE 2018 STANDARD PLANS AND SPECIFICATIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), AND THE SPECIAL PROVISIONS.
3. NEW DETECTORS SHALL BE CENTERED IN EACH EFFECTIVE LANE UNLESS OTHERWISE DIMENSIONED.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL, AS SHOWN ON THE PLANS, ALL NEW TRAFFIC SIGNAL EQUIPMENT SUCH AS STANDARDS, MAST ARMS, SIGNAL HEADS, AND OTHER EQUIPMENT AS REQUIRED. ALL SUCH EQUIPMENT SHALL BE NEW. ALL VEHICLE HEAD EQUIPMENT SUPPLIED BY THE CONTRACTOR SHALL HAVE 1-1/2 INCH DIAMETER PIPE FIT MOUNTING HARDWARE, INCLUDING ALL TOP POST MOUNT HEADS. PED HEAD MODULE REPLACEMENTS SHOWN ON THE PLAN SHALL REQUIRE A COMPLETE INSTALLATION, INCLUDING NEW PED HEAD AND TERMINAL COMPARTMENT.



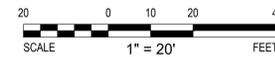
CONSTRUCTION NOTES

- 1 ADJUST & PROTECT IN PLACE (E) PULL BOX TO NEW FINISHED GRADE & SPLICE LOOP WIRES TO (E) DLC.
- 2 ABANDON (E) PULL BOX AND INSTALL NEW PULL BOX OUTSIDE PATH OF TRAVEL & SPLICE LOOP WIRES TO (E) DLC.
- 3 INSTALL NEW PEDESTRIAN PUSH BUTTON POST (PPB) WITH PED-ACTUATED ACCESSIBLE PEDESTRIAN SIGNAL (APS) PER CALTRANS DWG ES-4B, ES-4C, AND ES-5C. PHASE NOTED ON PLAN
- 4 ADJUST (E) CONDUIT TO NEW FINISHED GRADE.
- 5 ADJUST (E) EQUIPMENT TO NEW FINISHED GRADE.
- 6 REMOVE (E) APS PUSH BUTTON.
- 7 INSTALL A NEW 2 INCH CONDUIT AND FIVE (5) CONDUCTOR CABLE TO CONNECT ACCESSIBLE PEDESTRIAN SIGNAL (APS) TYPE PUSHBUTTON TO PEDESTRIAN SIGNAL HEAD THAT HAS THE SAME PHASE.

**REFERENCE ONLY,
CONSTRUCT BY OTHERS**

POLE SCHEDULE

NO.	POLE DATA			LUMINAIRE			VEHICLE SIGNAL		PED SIGNAL		APS		ISNS	SPECIAL REQUIREMENTS
	TYPE	HEIGHT	SMA	LMA	WATTS	MAST ARM MOUNTING	POLE MOUNTING	MOUNTING	Ø	POLE QUAD				
①	PPB POST	4'-7"	-	-	-	-	-	-	-	3	N	-	-	
②	PPB POST	4'-7"	-	-	-	-	-	-	-	3	E	-	-	



INFO
 PROJECT NO: PL-006
 CAD DWG FILE: 2017-273_SIGNAL
 DESIGNED BY: ALTA TEAM
 DRAWN BY: ALTA TEAM
 REVIEWED BY: VH/SF
 DATE: 3/20/20
 SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
 STEVEN B. FRIESON SF 3/20/20 DATE



REVIEWED BY:

 DATE: _____
 R.C.E. NO.: _____
 DATE: _____

R.C.E. NO.: _____
 DATE: _____



NO.	REVISION	BY	APPR.	DATE
1				
2				
3				

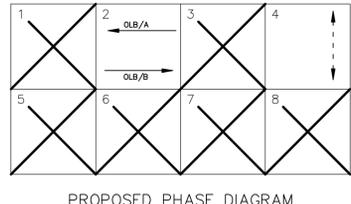
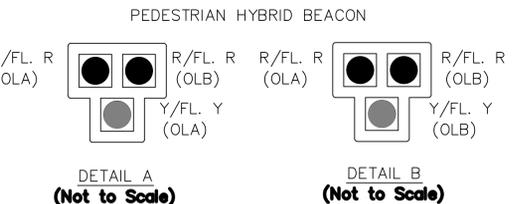
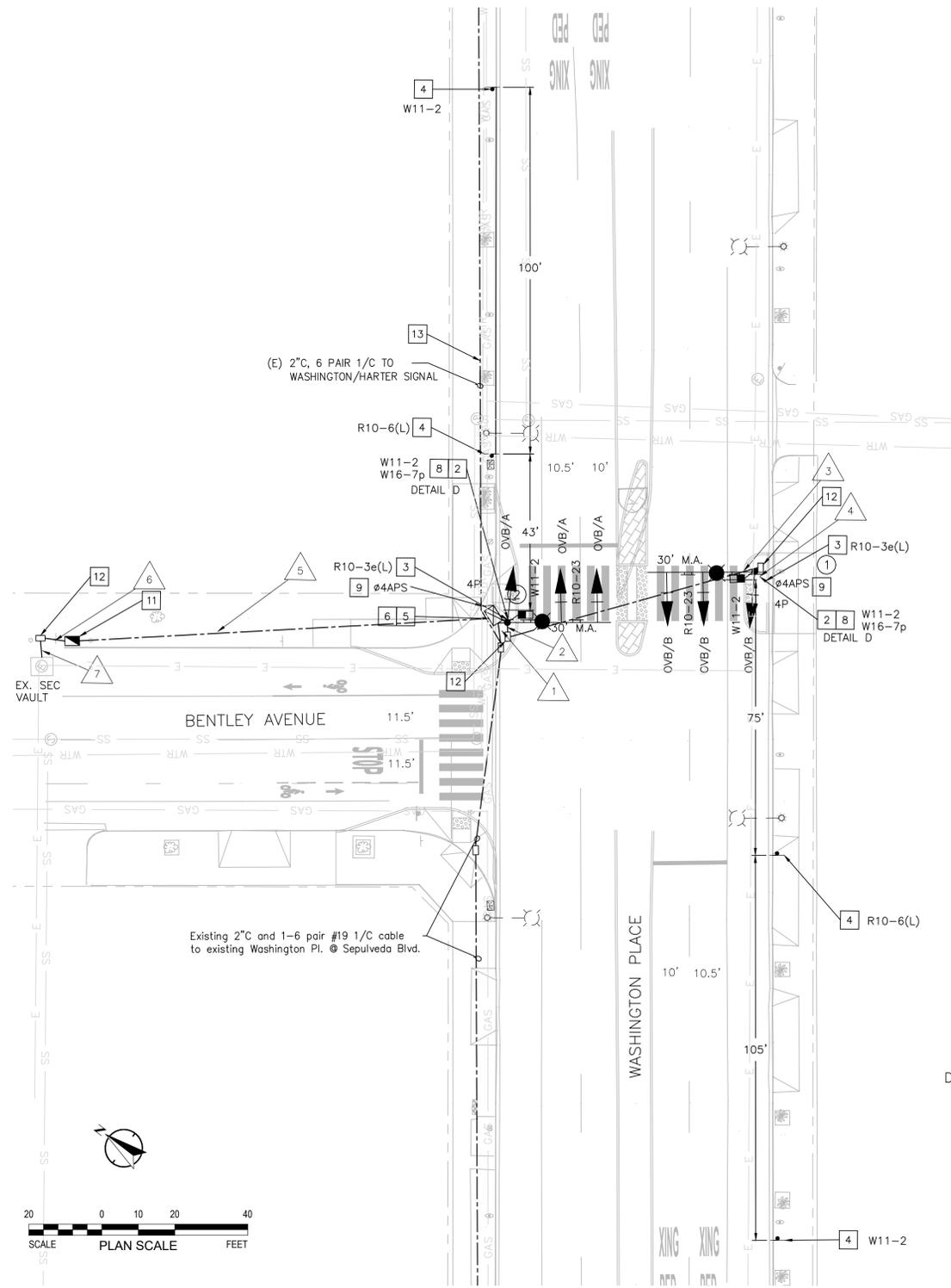
CITY OF CULVER CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL
 WASHINGTON BLVD/ HARTER AVE
 WASHINGTON PL/ TILDEN AVE

SHEET TITLE: **TRAFFIC SIGNAL PLAN**
 PROJECT NO: **PL-006**
TS-2
 SHEET 50 OF 61

PLAN NO. 5057-172

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

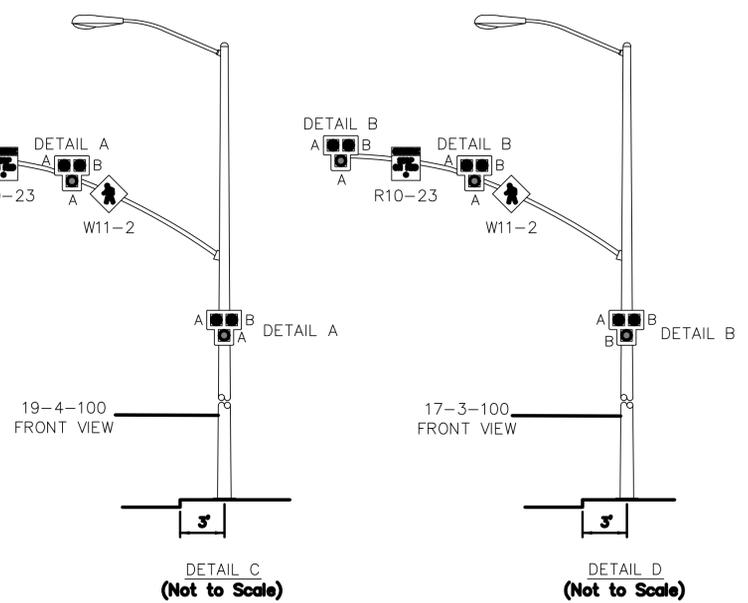


SIZE No.	CABLE / WIRE	CONDUCTOR SCHEDULE																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
M	3 CONDUCTOR CABLE 3 X #14																									
U	5 CONDUCTOR CABLE 5 X #14																									
L	9 CONDUCTOR CABLE 8 X #14 & 1 X #10 (COM)	4	2	2	2																					
T	13 CONDUCTOR CABLE 12 X #14 & 1 X #10 (COM)																									
I	28 CONDUCTOR CABLE 27 X #14 & 1 X #10 (COM)																									
8	SIGNAL LUMINAIRE	2	2	2	2																					
6	SERVICE	1				1	1	1																		
14	PED PUSHBUTTON (APS)																									
12	BUS DLC (1-PAIR)																									
18	DLC (2 PAIR)																									
18	DLC (3 PAIR)																									
18	DLC (4 PAIR)																									
14	DLC (EXISTING)																									
22	I/C (18 PAIR)	1																								
14	ACCESSIBLE PEDESTRIAN SIGNAL (APS)	1	1	1	1																					
	CONDUIT SIZE	2"	3"	2"	3"	3"	3"	3"																		

NOTE: FOR EXISTING CONDUIT RUNS DESIGNATED WITH AN "*" (ABOVE), THE CONTRACTOR SHALL ADD/INSTALL NEW CONDUCTORS/CABLES AND PROTECT AND MAINTAIN ALL EXISTING CONDUCTORS/CABLES.

PAIR ASSIGNMENT TABLE									
HUB LOCATION	CHANNEL	ADDRESS	TRUNK	SIZE	TX	RX	SIZE	TX	RX
-	-	-	-	-	-	-	-	-	-

POLE SCHEDULE					
No.	TYPE	FOUND. TYPE	PED. PUSH BUT'N TYPE	PHASE	REMARKS
1	19-4-100	CIDH	APS(4P)	4	Install 30' Mast Arm; Install APS
2	17-3-100	CIDH	APS(4P)	4	Install 30' Mast Arm; Install APS



NOTES:

- REMOVE STREET LIGHTING EQUIPMENT, FOUNDATION, AND PULL BOX. ABANDON CONDUIT(S).
- INSTALL PEDESTRIAN HYBRID BEACON (PHB) AND W11-2 AND W16-7p SIGNS PER DETAIL C AND D.
- INSTALL ACCESSIBLE PEDESTRIAN PUSH BUTTON ASSEMBLIES PER CALTRANS DWG ES-5C. INSTALL APS SIGN R10-3e.
- INSTALL SIGN(S) AND POST(S).
- INSTALL ATC 2070 CONTROLLER AND SWITCH IN 352i CABINET. THE CONTRACTOR SHALL PROVIDE A COMPLETE FUNCTIONING CONTROLLER ASSEMBLY AND CABINET CONFORMING TO THE LATEST SPECIFICATIONS.
- INSTALL THREE-INCH (3") CONDUIT TO NEAREST SCE POWER SOURCE. INSTALL SERVICE METER AT POWER SOURCE LOCATION.
- INSTALL STANDARDS A MINIMUM OF 3' BEHIND CURB FACE.
- THE PROPOSED FOUNDATION SHALL BE INITIALLY HAND-DUG BY THE CONTRACTOR TO VERIFY THE LOCATION OF THE EXISTING UTILITY(IES). THE CONTRACTOR SHALL EXERCISE DUE CAUTION DURING THE EXCAVATION PROCEDURE TO PROTECT SUBJECT UTILITY(IES).
- INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PER CALTRANS STD. DWG. NO. ES-4B AND ES-4C.
- CONTRACTOR SHALL OBSERVE ALL INDUSTRY SAFETY STANDARDS, PARTICULARLY SECTION 2946 AND 2948 OF TITLE 8 OF CAL-OSHA REGARDING WORK NEAR OVERHEAD LINES.
- INSTALL TYPE III CF DUAL SERVICE METER.
- INSTALL #6 PULL BOX.
- REMOVE EXISTING 1-6 PAIR INTERCONNECT CABLE AND INSTALL 1-12 PAIR INTERCONNECT CABLE IN EXISTING CONDUIT TO THE WASHINGTON/HARTER TRAFFIC SIGNAL CABINET.

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LA BALLONA SAFE ROUTES TO SCHOOL
WASHINGTON PL/ BENTLEY AVE

SHEET TITLE: PEDESTRIAN HYBRID BEACON
PROJECT NO.: PL-006
SHEET 52 OF 61



INFO
PROJECT NO: PL-006
CAD DWG FILE: 2017-273_SIGNAL_HAWK
DESIGNED BY: ALTA TEAM
DRAWN BY: ALTA TEAM
REVIEWED BY: SF
DATE: 3/20/20
SCALE: AS SHOWN



PREPARED UNDER THE DIRECT SUPERVISION OF:
STEVEN B. FRIESON
3/20/20
DATE



PRIME CONSULTANT
REVIEWED BY:
REVIEWED BY:



NO.	REVISION	BY	APPR.	DATE
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PLAN NO.: 5057.472

LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	NEW LINework
	EXISTING LINework
	CONDUIT EXPOSED
	CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CONDUIT CAPPED
	BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED
	3/4" CONDUIT, TICK MARKS INDICATE QUANTITY OF #12 AWG WIRES (UNLESS NOTED OTHERWISE, NO MARKS INDICATES 2#12 & 1#12 GND WIRES) - SMALL MARK DENOTES HOT WIRE - LARGE MARK DENOTES NEUTRAL WIRE - DIAGONAL DENOTES GROUND WIRE
	POLE MOUNTED LIGHT FIXTURE

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
1/C	SINGLE CONDUCTOR	KVA	KILOVOLT-AMPERES
&	AND	KW	KILOWATT
@	AT	LF	LINEAR FEET
A OR AMP	AMPERES	LIS	LOAD INTERRUPTER SWITCH
ABV	ABOVE	LOC.	LOCATION
A.C.	ASPHALT CONCRETE	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	LV	LOW VOLTAGE
AFG	ABOVE FINISH GRADE	MAX	MAXIMUM
AIC	AMPERE INTERRUPTING CAPACITY	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MCP	MOTOR CIRCUIT PROTECTOR
APPROX.	APPROXIMATE	MFR	MANUFACTURER
ARCH.	ARCHITECT; ARCHITECTURAL	MH	MANHOLE
ATC	AIR TERMINAL CHAMBER	MI.	MECHANICAL INTERLOCK
ATS	AUTOMATIC TRANSFER SWITCH	MRCT	MULTI-RATIO CURRENT TRANSFORMER
AUTO	AUTOMATIC	MTD	MOUNTED
AUX	AUXILIARY	MTG	MOUNTING
AWG	AMERICAN WIRE GAUGE	MV	MEDIUM VOLTAGE
BAT	BATTERY	N	NORTH
BEL	BELOW	NAC	NOTIFICATION APPLIANCE CIRCUIT
BKBD	BACKBOARD	NC	NORMALLY CLOSED
BKR	BREAKER	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NF	NON-FUSED
B.S.	BARE STRANDED	NIC	NOT IN CONTRACT
C	CONDUIT	NL	NIGHT LIGHT- 24HRS ON
CB	CIRCUIT BREAKER	NO.	NUMBER
CC	CONSTANT CURRENT	OC	ON CENTER
CKT	CIRCUIT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OE	OVERHEAD ELECTRICAL
CLG	CEILING	OFC	OIL FUSED CUTOUT
CMU	CONCRETE MASONRY UNIT	OH	OVERHEAD
C.O.	CONDUIT ONLY WITH PULL WIRE	OL	OIL LEVER SWITCH
COL	COLUMN	P	POLE
CP	COMMUNICATION PROCESSOR	PB	PULL BOX
CPT	CONTROL POWER TRANSFORMER	PC	PHOTOCELL
CR	CONTROL RELAY	PCB	POLYCHLORINATED BIPHENYL
CSU	CALIFORNIA STATE UNIVERSITY	PDS	PRESSURE DIFFERENTIAL SWITCH
CSFD	COMBINATION SMOKE FIRE DAMPER	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PH OR Ø	PHASE
CW	COLD WATER	PILC	PAPER INSULATED, LEAD COVER
CU	COPPER	PIV	POST INDICATING VALVE
DIAG	DIAGRAM	PL	PLATE
DL	DAMP LOCATION LISTING	PNL	PANEL
DM	DIGITAL METER	POC	POINT OF CONNECTION
DP	DISTRIBUTION PANEL	PRI.	PRIMARY
DIST.	DISTANCE	PVC	POLY-VINYL CHLORIDE
DWG	DRAWING	PWR	POWER
DWP	DEPARTMENT OF WATER & POWER	REC/RECEPT	RECEPTACLE
EA	EACH	REQD	REQUIRED
ELEC.	ELECTRICAL	RGS	RIGID GALVANIZED STEEL
EMH	ELECTRICAL MANHOLE	RPBP	REDUCED PRESSURE BACK FLOW PREVENTER
EMT	ELECTRICAL METALLIC TUBING	RM	ROOM
EPO	EMERGENCY POWER OFF	SCE	SOUTHERN CALIFORNIA EDISON
EPR	ETHYLENE PROPYLENE RUBBER	SF	SQUARE FEET
EQUIP	EQUIPMENT	SHT	SHEET
EXIST(E)	EXISTING	SIG.	SIGNAL
EXP	EXPLOSION PROOF	SP	SPARE
FA	FIRE ALARM	SPECS	SPECIFICATIONS
FFE	FINISHED FLOOR ELEVATION	ST	STREET
FIN.	FINISH	STD	STANDARD
FIP.	FIELD INTERFACE PANEL	SW	SWITCH
FIXT	FIXTURE	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	SWGR	SWITCHGEAR
FLR	FLOOR	SWST	SWITCHING STATION
FLUOR	FLUORESCENT	TB	TERMINAL BLOCK
FT	FEET	TEL./TELE	TELEPHONE
FACP	FIRE ALARM CONTROL PANEL	TMH	TELEPHONE MANHOLE
FATC	FIRE ALARM TERMINAL CABINET	T.O.D.	TOP OF DUCTBANK
FO	FIBER OPTIC	T.O.M.	TOP OF MANHOLE
FTG	FOOTING	TPS	TWISTED SHIELDED PAIR
GFI	GROUND FAULT INTERRUPTER	TRANSF/XFMR	TRANSFORMER
GFR	GROUND FAULT RELAY	TS	TAMPER SWITCH
GG	GREEN GROUND	TYP	TYPICAL
GND	GROUND	UG	UNDERGROUND
HOA	HAND-OFF-AUTOMATIC	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	V	VOLTS
HT	HEIGHT	VA	VOLT-AMPERES
HTR	HEATER	VB	VIBRATION SWITCH
HZ	HERTZ	VFD	VARIABLE FREQUENCY DRIVE
IE	INVERT ELEVATION	W	WATTS
ISC	SHORT CIRCUIT CURRENT	W/	WITH
INCAND	INCANDESCENT	W/O	WITHOUT
JB	JUNCTION BOX	WP	WEATHERPROOF
KCMIL	THOUSAND CIRCULAR MILS	Z	IMPEDANCE
KV	KILOVOLT		

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ALL OTHER APPLICABLE FEDERAL AND STATE. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE CONSTRUCTION DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS' LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
- MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCES AND DISPLACEMENT REQUIREMENTS.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENT SHALL BE POSITELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN LATEST SECTIONS OF CBC AND ASCE.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

SHEET INDEX

SHEET	DESCRIPTION
SLGN-1	STREET LIGHTING NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX
SL-1	STREET LIGHTING LAYOUT - WASHINGTON BLVD.
SL-2	STREET LIGHTING LAYOUT - WASHINGTON BLVD.
SL-3	STREET LIGHTING LAYOUT - ELENDA STREET
SL-4	STREET LIGHTING LAYOUT - ELENDA STREET
SL-5	STREET LIGHTING LAYOUT - ELENDA STREET
SLD-1	STREET LIGHTING DETAILS AND SCHEDULES



INFO
PROJECT NO: P-656
CAD DWG FILE: X
DESIGNED BY: GRJ
DRAWN BY: GRJ
REVIEWED BY: CM
DATE: 01/17/19
SCALE: AS SHOWN



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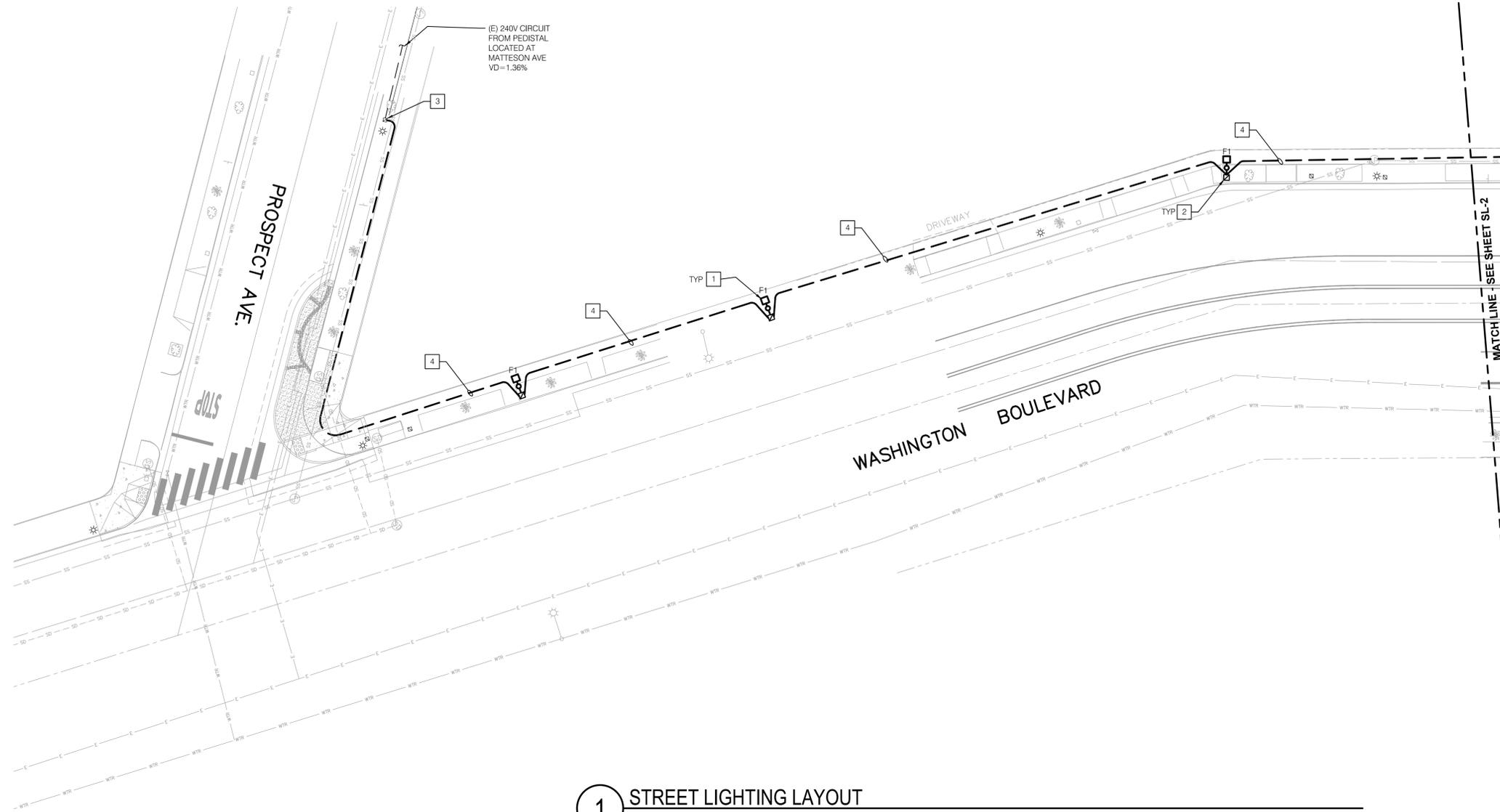


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LA BALLONA SAFE ROUTES TO SCHOOL
SHEET TITLE: Street Lighting Notes, Legend, Abbreviations, Sheet Index
SHEET NO.: SLGN-1
PROJECT NO.: P-656
SHEET 55 OF 61
PLAN NO.:

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



1 STREET LIGHTING LAYOUT
1"=20'-0"

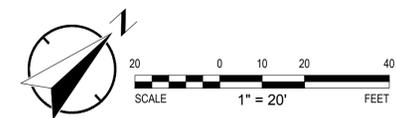
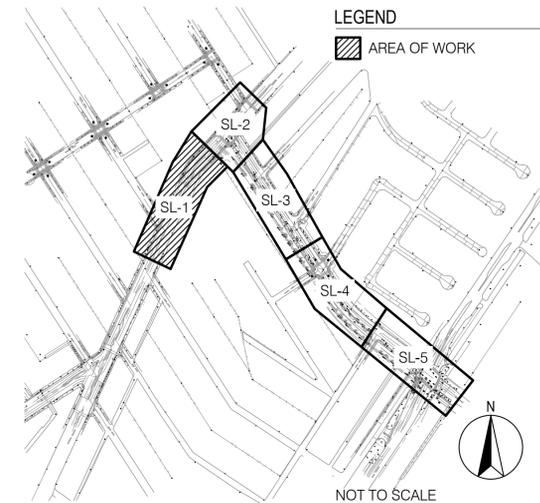
NOTES

- 1 PROVIDE POLE AND LIGHT FIXTURE, TYPE AS NOTED. REFER TO FIXTURE SCHEDULE, SHEET SLD-1 FOR POLE AND FIXTURE TYPE.
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- 3 INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT TO FIXTURE LOCATION AS SHOWN.
- 4 PROVIDE 2" - 2#10, 1#10 GND AS REQUIRED FOR A COMPLETE INSTALLATION.

GENERAL NOTES

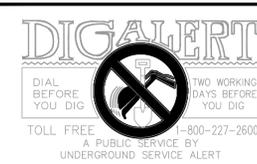
1. CONDUIT SHALL BE INSTALLED BY DIRECTIONAL BORING AS REQUIRED TO AVOID CONTACT WITH EXISTING TREE ROOTS AND UTILITIES.
2. CONTRACTOR SHALL POTHOLE EACH CROSSING UTILITY, INCLUDING LATERALS.
3. SIDEWALK SHALL BE RESTORED BY REPLACING SIDEWALK FROM SCORELINE TO SCORELINE.
4. CONTRACTOR SHALL FIELD VERIFY EXISTING VOLTAGES.
5. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

KEY PLAN



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LA BALLONA SAFE ROUTES TO SCHOOL



INFO
PROJECT NO: P-656
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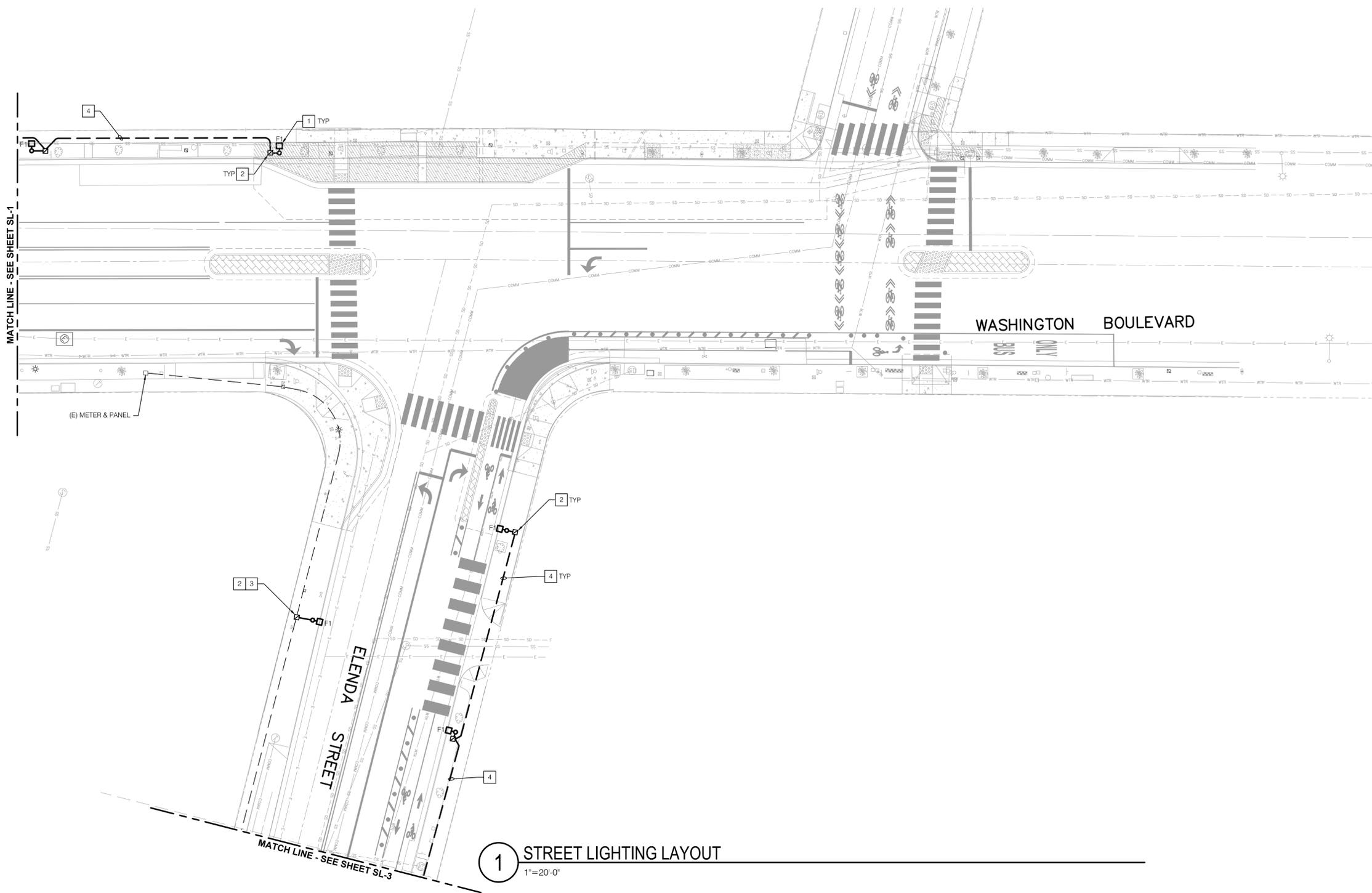
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SHEET TITLE Street Lighting Layout Washington Blvd.	SHEET NO. SL-1	PROJECT NO. P-656
		SHEET 56 OF 61

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



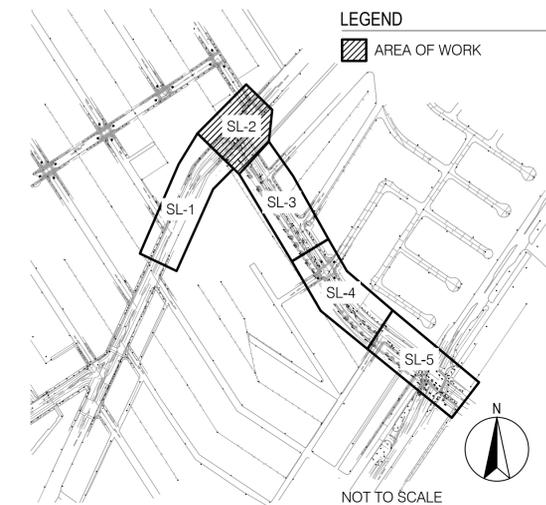
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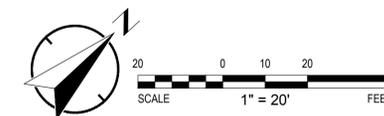
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KEY PLAN



1 STREET LIGHTING LAYOUT
1"=20'-0"



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LA BALLONA SAFE ROUTES TO SCHOOL



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R.C.E. NO. _____

DATE _____

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SHEET TITLE	SHEET NO.	PROJECT NO.
Street Lighting Layout Washington Blvd.	SL-2	P-656
		SHEET 57 OF 61

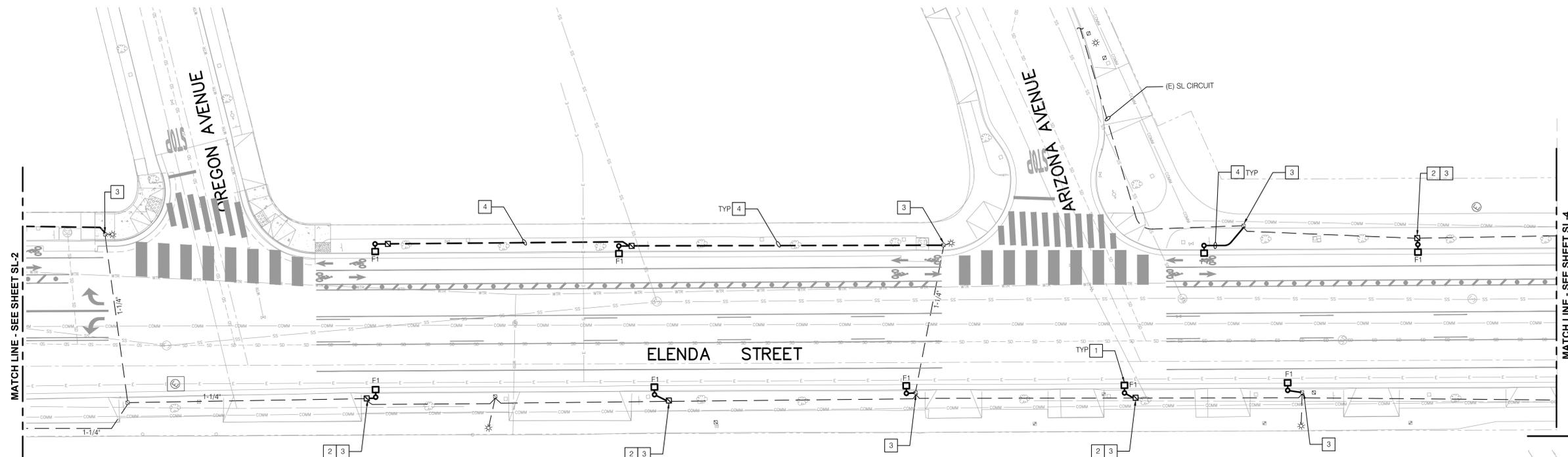
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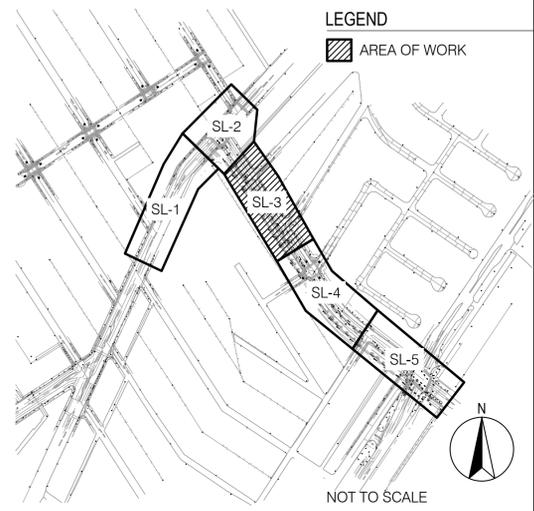
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GENERAL NOTES

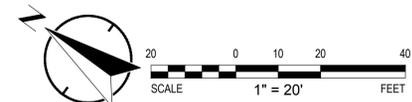
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LA BALLONA SAFE ROUTES TO SCHOOL



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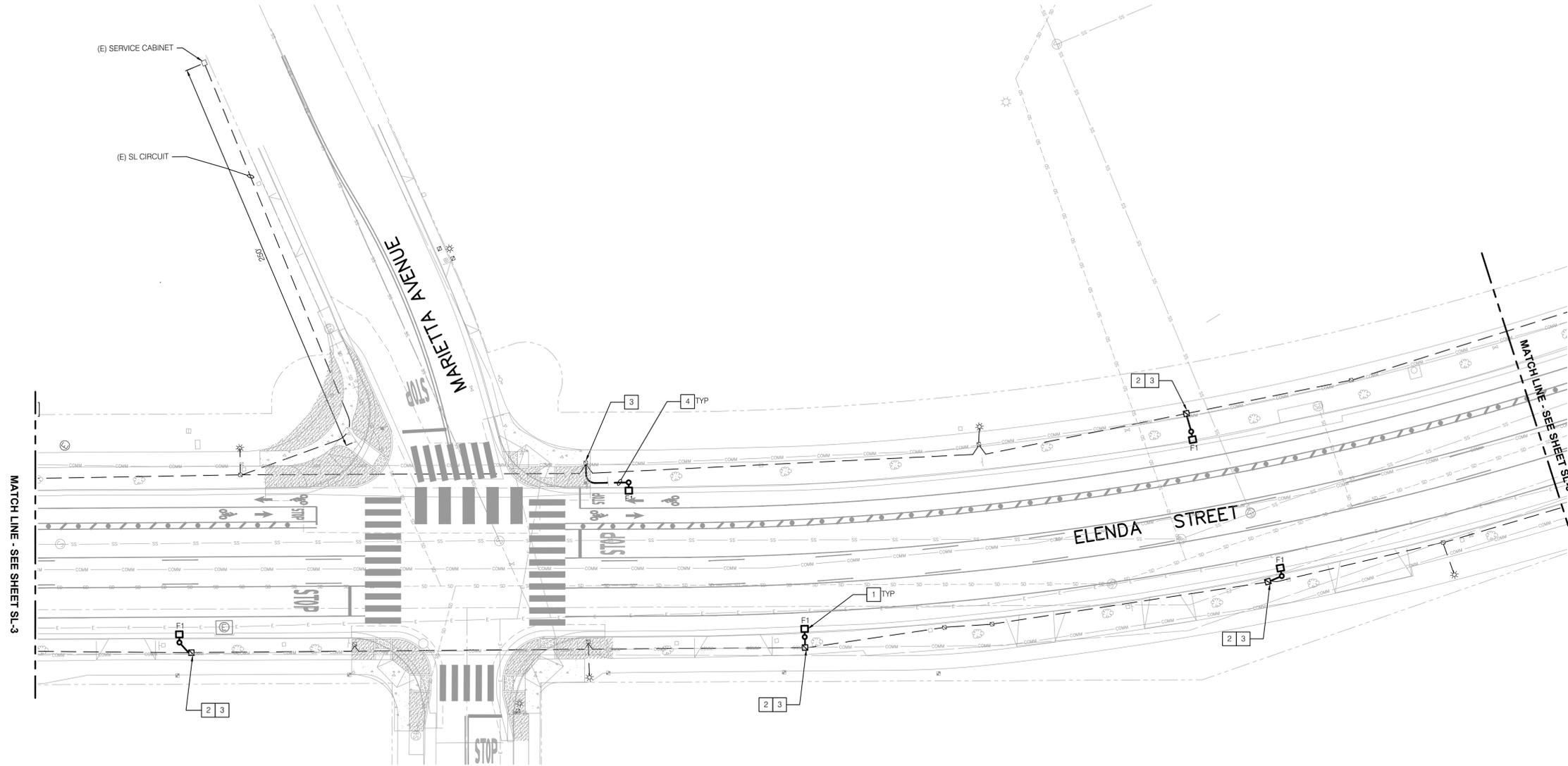
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SHEET TITLE Street Lighting Layout Elenda Street	SHEET NO. SL-3	PROJECT NO. P-656
		SHEET 58 OF 61

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.



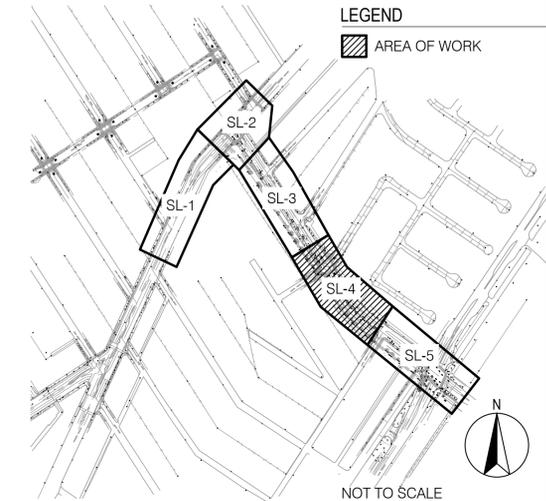
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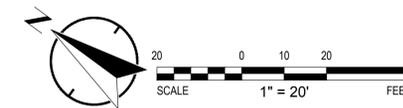
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5. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POTHOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POTHOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POTHOLE AS NEEDED.

KEY PLAN



1 STREET LIGHTING LAYOUT
1" = 20'-0"



CITY OF CULVER CITY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION - CULVER CITY, CALIF.

LA BALLONA SAFE ROUTES TO SCHOOL



INFO
PROJECT NO: P-656
CAD DWG FILE: X
DESIGNED BY: GRJ
DRAWN BY: GRJ
REVIEWED BY: CM
DATE: 01/17/19
SCALE: AS SHOWN



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San Diego | San Jose

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NAME _____ DATE _____

APPROVED BY: _____

APPROVED BY: _____

R.C.E. NO. _____

DATE _____

R.C.E. NO. _____

DATE _____

PRIME CONSULTANT



1					
2					
3					
NO.	REVISION	BY	APPR.	DATE	

SHEET TITLE
Street Lighting Layout
Elenda Street

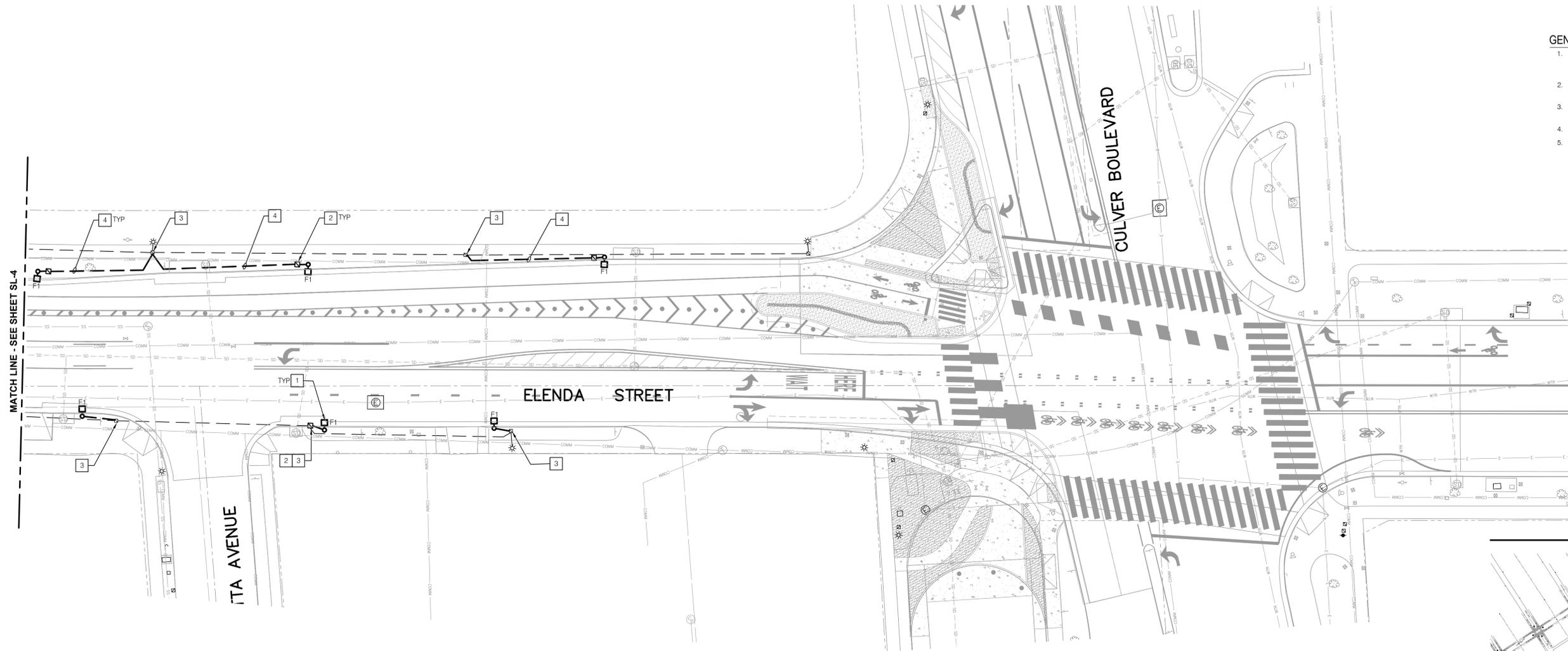
SHEET NO.

SL-4

PROJECT NO: P-656
SHEET 59 OF 61

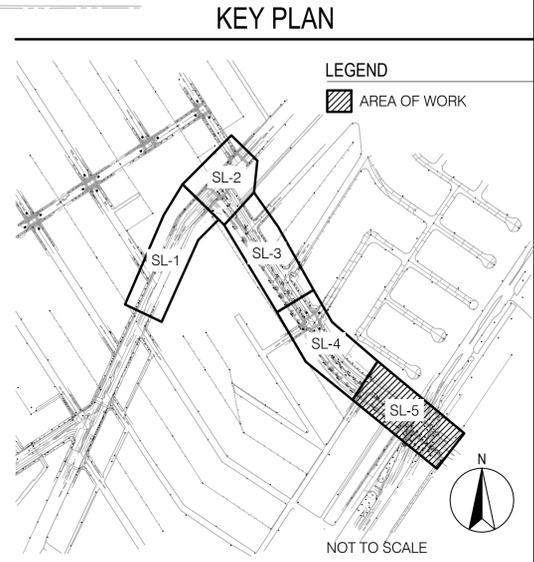
PLAN NO:

Line measures 1 inch on full scale drawing, if not 1 inch scale accordingly.

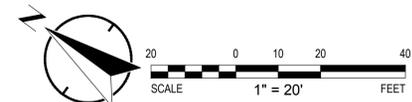


- NOTES**
- 1 PROVIDE POLE AND LIGHT FIXTURE, TYPE AS NOTED. REFER TO FIXTURE SCHEDULE, SHEET SLD-1 FOR POLE AND FIXTURE TYPE.
 - 2 PROVIDE CONCRETE PULL BOX. REFER TO DETAIL 1, SHEET SLD-1 FOR ADDITIONAL INFORMATION.
 - 3 INTERCEPT AND EXTEND EXISTING LIGHTING CIRCUIT TO FIXTURE LOCATION AS SHOWN.
 - 4 PROVIDE 2" - 2#10, 1#10 GND AS REQUIRED FOR A COMPLETE INSTALLATION.

- GENERAL NOTES**
1. CONDUIT SHALL BE INSTALLED BY DIRECTIONAL BORING AS REQUIRED TO AVOID CONTACT WITH EXISTING TREE ROOTS AND UTILITIES.
 2. CONTRACTOR SHALL POT-HOLE EACH CROSSING UTILITY, INCLUDING LATERALS.
 3. SIDEWALK SHALL BE RESTORED BY REPLACING SIDEWALK FROM SCORELINE TO SCORELINE.
 4. CONTRACTOR SHALL FIELD VERIFY EXISTING VOLTAGES.
 5. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND THE DEPTH ARE UNKNOWN. NO CERTIFICATION IS MADE AS TO THE ACCURACY OR THOROUGHNESS OF THESE RECORDS. REVIEW OF THIS PLAN BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OF THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO POT-HOLE AND PROTECT ANY UTILITY LINES SHOWN AND OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS. ALL UTILITY POT-HOLING, PROTECTING, AND DAMAGED UTILITY FACILITIES REPAIR SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION OR BORING WORK AND POT-HOLE AS NEEDED.



1 STREET LIGHTING LAYOUT
1"=20'-0"



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SHEET TITLE Street Lighting Layout Elenda Street	SHEET NO. SL-5	PROJECT NO. P-656
		SHEET 60 OF 61

PLAN NO.:

LIGHT FIXTURE SCHEDULE

TYPE	FIXTURE DESCRIPTION	MANUFACTURER & MODEL	TOTAL V-A	LAMP TYPE	LUMENS	COLOR TEMP	CRI	VOLTAGE	MTG	CEILING TYPE	REMARKS
F1	POST TOP PEDESTRIAN FIXTURE - T1 DISTRIBUTION POLE WITH DECORATIVE BASE	VISIONAIRE LIGHTING FIXTURE: #ODN-1-L-T1-48LC-5-4K-UNV-YM-BK-C4-H6-PC240-CLS POLE: VISIONAIRE #RNTS-4R-11-14-9BC-343-T3R-BK-DCB-4	82	LED	11414	4000K	70+	240	PO	-	NOTE 1, 2, 3, 4 (16) FIXTURES FROM WASHINGTON SERVICE (7) FIXTURES FROM MARIETTA SERVICE (5) FIXTURES FROM PROSPECT SERVICE

NOTES:

1. PROVIDE POLE COMPLETE WITH TENON, REFER TO DETAIL 3, THIS SHEET.
2. PROVIDE COMPLETE WITH MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
3. LUMINAIRES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS (U.N.O) AND ELECTRONIC DRIVER AS SPECIFIED.
4. PROVIDE FIXTURES COMPLETE WITH PHOTOCELL.

MOUNTING ABBREVIATIONS:

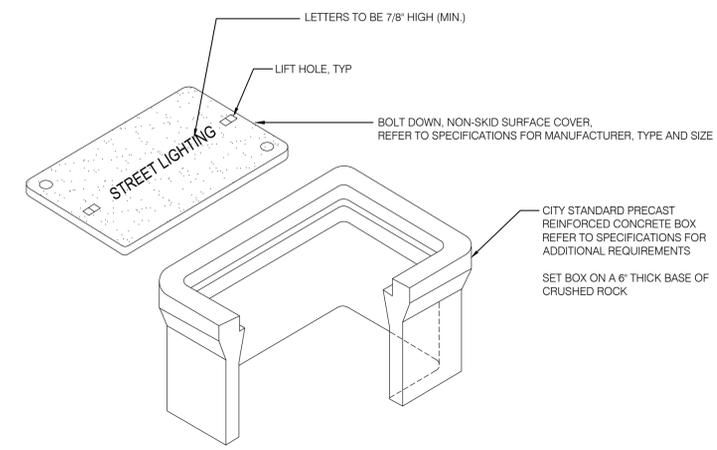
- P = PENDANT
- PO = POLE
- R = RECESSED
- S = SURFACE
- RT / ST / PT = RECESSED TRACK / SURFACE TRACK / PENDANT TRACK
- RW / SW / OF = RECESSED WALL / SURFACE WALL / OFFSET WALL
- COVE = COVE / SOFFIT
- G = GRADE
- RG = RECESSED GRADE
- B = BOLLARD
- U = UNDERCABINET
- L = LANDSCAPE

2 LIGHT FIXTURE SCHEDULE

NO SCALE

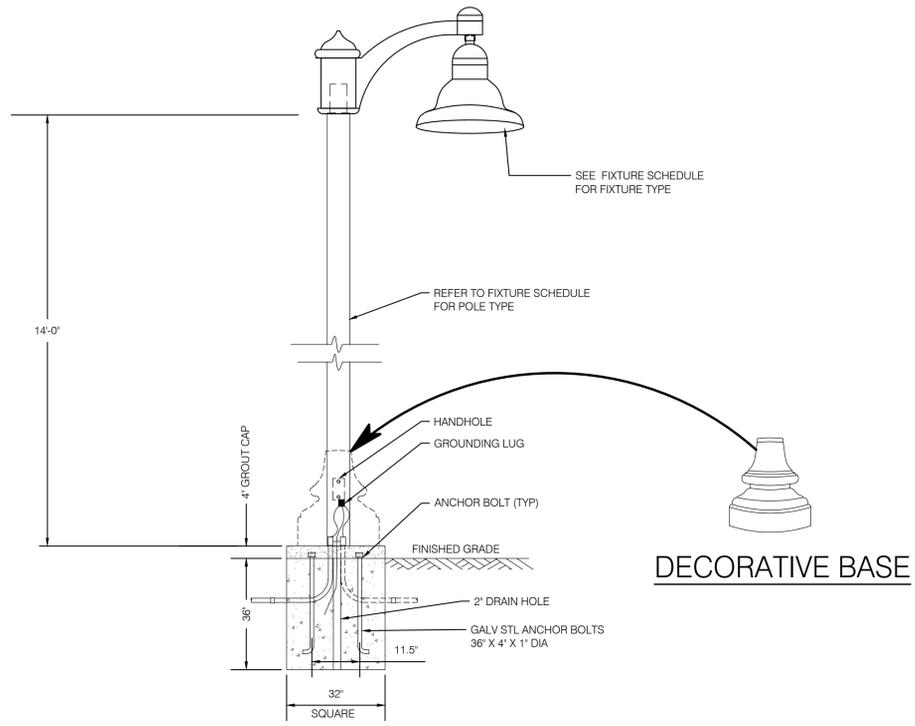
GENERAL NOTES

1. PULL BOX BASE: SET ON PEA GRAVEL BASE BENEATH PULL BOX. (PROVIDE EXTENSIONS AS REQD. IN FIELD) MIN. OF (1) EXTENSION.
2. POUR 4" CONCRETE OR AC PATCH PAD AROUND EACH PULL BOX TO PREVENT SINKING BELOW GRADE, AND SLURRY COAT AROUND.
3. WATER TIGHT INSTALLATION-FOAM SEAL CONDUIT OPENINGS.



1 PULLBOX DETAIL

NO SCALE



3 FIXTURE MOUNTING DETAIL

NO SCALE

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LA BALLONA SAFE ROUTES TO SCHOOL

SHEET TITLE Street Lighting Details and Schedules	SHEET NO. SLD-1	PROJECT NO. P-656
NO. REVISION		BY APPR. DATE
SHEET 61 OF 61		PROJECT NO. P-656



INFO
PROJECT NO: P-656
CAD DWG FILE: X
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